Grimes City Council Agenda

Grimes City Hall
101 NE Harvey Street
Grimes, Iowa 50111
Phone | 515.986.3036
www.grimesiowa.gov

Mission Statement
The mission of Grimes City Government is to provide excellent/exceptional city services and facilities in a financially responsible and community-friendly manner through a high performing city team that result in adding value to resident's lives.

Mayor | Scott Mikkelsen
City Council | Eric Johansen, Andy Borcherding, David Gisch, Ryan Burger, Laurie DePhillips

Grimes City Council Meeting June 27, 2023
In Person/Zoom at Grimes Community Center, 410 SE Main Street

The public is welcome and encouraged to attend and participate in this meeting in person or by internet or phone as follows:

Join Zoom Meeting:

https://us06web.zoom.us/j/3787305851?pwd=Y2xpSUU2T3IxUUpkSmFtRVlmTjIyUT09

Public Comment: If you would like to address the City Council during the Public Comment portion of the meeting, please contact the City Clerk by 4:30 p.m. on the date of the meeting by email at rwilliams@grimesiowa.gov with your name and address or by using the RAISE HAND feature by zoom. Participants must be recognized by the presiding officer and must state their full name and address before addressing the City Council. If you are participating via phone, the raise and lower hand feature can be activated by using *9. After you are recognized, use *6 to unmute your audio. The Chat and Q&A functions will be turned off during the meeting. The Mayor will recognize you for 3 minutes of comment, and your microphone will be turned on.
Pursuant to §21.4(2) of the Code of Iowa (2019), the City has the right to amend this agenda up until 24 hours before the posted meeting time.
For any additional assistance or questions in attending the meeting, please call 515-986-3036 Ext 1025 from 8 a.m. to 4:30 p.m., or contact the Grimes City Clerk Rochelle Williams by email at: rwilliams@grimesiowa.gov.

Meetings will be recorded

AGENDA ITEMS FOR JUNE 27, 2023, AT 5:30 PM AT GRIMES COMMUNITY CENTER

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Approval of the Agenda
5. Approval of the Consent Agenda **(Discussion is not allowed unless the Mayor or a City Council Member ask for an item to be removed and placed under Council actions for consideration)**

A. Resolution 06-1523 Approving Previous Meeting Minutes
B. Resolution 06-1623 Claims Report
C. Resolution 06-1723 Approving Bills and Quotes over $10,000
D. Resolution 06-1823 Approving Tobacco Renewals for 2023-2024
E. Resolution 06-1923 Receiving and Filing of Correspondence
F. Resolution 06-2023 Approving ABD Renewals & New License:
   1. Hy-Vee Fast & Fresh #1: Renewal: 1401 W. 1st Street, Class E. Liquor
   2. Hy-Vee Grocery: Renewal: 351 NE Gateway Dr, Class E. Liquor
   3. Hy-Vee Market Grille: Renewal: 351 NE Gateway Dr, Class E Liquor
   4. 1st Street Tavern: 1101 1st Street #112, Class C Liquor, Outdoor Service & Sunday Sales.
   5. New Temporary Special Permit: Hy-Vee Healthy Smiles Technology: 3801 S. James St. #400: Class C Retail Alcohol License
G. Resolution 06-2123 Approving Professional Services Payments:
   1. Pay Request #8 Nilles Associates, Inc for Grimes Existing Basins Enhancements $2,500.00
   2. Pay Request #10 Civil Design Advantage – GrimesPlex $37,747.94
   3. Pay Request #18 ISG – Water Works Park Splash Pad $43,681.68
   4. Pay Request #6 MSA Professional Services, Inc – SE Trail Ridge Road Reconstruction $11,397.50
   5. Pay Request #54 Veenstra & Kimm, Inc – WRA Connectors $78,532.16
   6. Dorsey and Whitney – legal fees $3,945.50
   7. Pay Request # 16 The Weitz Company, LLC – The New Grimes Public Library $66,843.51
   8. Pay Request #1 MSA Professional Services, Inc – SE Little Beaver Drive and SE 4th thru 6th Street Water Main $44,690.00
   9. Pay Request #8 MSA Professional Services, Inc – SE Jacob Street Reconstruction and Storm Sewer $13,531.60
   10. Pay Request #8 McClure Engineering Company – North Jordan Well Repairs $371.25 (to be paid by insurance under claim)
   11. Pay Request #2 Snyder & Associates, Inc – East Gateway Drive & East 1st Street Intersection Improvements $19,471.82
   12. Pay Request #10 McClure Engineering Company – Phase 1 A Water System Improvements $76,818.83
   13. Pay Request #8 Snyder & Associates, Inc – NE Destination Drive & NE Beaverbrooke Blvd Improvements #12,788.50
   14. Pay Request #38 Bolton I& Menk, Inc – Highway 44 & SW County Line Road Intersection Improvements $4,389.50
   15. Pay Request #8 Foth Infrastructure &I Environment, LLC – SE 11th Street I& S James Street $96,996.39
   16. Whitfield & Eddy Law – legal fees $5,616.50
H. Resolution 06-2223 Approving Pay Requests:
   1. Pay Request #15 S.J. Louis Construction, Inc – WRA Grimes Connector – Contract 1 $608,123.28
   2. Pay Request #1 Sternquist Construction, Inc -SE Trail Ridge Road Reconstruction $230,833.79
   3. Pay Request #7 Halbrook Excavating – SE Jacob Street Reconstruction and Storm Sewer $253,574.00
   4. Pay Request #15 Shank Constructors, Inc – WRA Grimes Connector – Contract 4 $235,379.16
   5. Pay Request #10 S. M. Hentges & Sons, Inc – WRA Grimes Connector – Contract 2 $246,981.24
   6. Pay Request #5 Edge Commercial, LLC – GrimesPlex $5,598,522.01
   7. Pay Request #1 Howrey Construction – Iowa Highway 44 Trail Extension $149,410.82

8. Pay Request #7 Performance Contracting, Inc - New Grimes Library $106,067.50
9. Pay Request #14 Van Maanen Electric, Inc - New Grimes Library $73,130.96
10. Pay Request #3 Academy Roofing & Sheet Metal Co. - New Grimes Library $44,089.50
11. Pay Request #10 AMC Mechanical Inc - New Grimes Library $183,842.62
12. Pay Request #8 Forman Ford – New Grimes Library $24,415.00
13. Pay Request #6 Forrest & Associates Inc – New Grimes Library $100,024.67
14. Pay Request #14 Graphite Construction Group – New Grimes Library $52,327.41
15. Pay Request # 1 Midwest Auto Fire Sprinkler – New Grimes Library $24,700.00
16. Pay Request #8 (Retainage to be paid in 30 days) Van Maanen Electric, Inc for Highway 44 at County Line Road Temporary Traffic Signal $2,891.91
17. Pay Request #7 Edge Commercial, LLC – Waterworks Park Improvements $275,456.19

I. Resolution 06-2323 Change Orders:
1. Change Order #3 AMC Mechanical Group - New Grimes Public Library increasing contract $48.52
2. Change Order #2 Performance Contracting Inc – New Grimes Public Library increasing Contract $7,211.00
3. Change Order #2 Van Maanen Electric Inc – New Grimes Public Library increasing contract $4,702.82
4. Change Order #5 Graphite Construction Group, Inc – New Grimes Public Library - increasing contract $7,914.97
5. Change Order #3 Edge Commercial, LLC – GrimesPlex increasing contract $24,977.41.
6. Change Order #3 Sternquist Construction, Inc – SE Trail Ridge Road Reconstruction increasing contract $2,651.00.
7. Change Order #3 Edge Commercial, LLC – Waterworks Park Improvements increasing contract $254,027.00.
8. Change Order #2 Van Maanen Electric, Inc – Highway 44 at County Line Road Temporary Traffic Signal decreasing contract $7,200.00
9. Change Order #1 Howrey Construction – Iowa Highway 44 Trail Extension increasing contract $1,600.00.

J. Resolution 06-2423 For Adjustment of Thorpe Water Development (Gould Heights District) Water Charges
K. Resolution 06-2523 Authorizing the Administration and Funding of a Stormwater Assistance Grant Program for the City of Grimes
L. Resolution 06-2623 Request for Street Closure for Block Party
M. Resolution 06-2723 Amending Fee Schedule 2023
N. Resolution 06-2823 Accepting Public Improvements in Heritage Town Center Phase 2
O. Resolution 06-2923 Approving an Amendment to A Field Rental Agreement
P. Resolution 06-3023 Regarding Uncollectible Utility Debt
Q. Resolution 06-3123 Approving Personnel Transactions
R. Resolution 06-3223 Approving Fiscal Year 2022-2023 End of Year Transfers
S. Resolution 06-3323 Accepting A Proposal from MidAmerican Energy Company in The Amount of $561,000.00 For the Relocation of Overhead Electric Facilities to Underground Along S. James Street from 2nd Street to 11th Street
T. Resolution 06-3423 Ordering Construction of the SW 19th Street Water Transmission Main, and Fixing a Date for Hearing Thereon and Taking of Bids Therefor
U. Resolution 06-3523 Accepting the Highway 44 at County Line Road Temporary Traffic Signal
V. Resolution 06-3623 Professional Services Contract with McClure Engineering – Central Iowa Water Works Assistance and Aquifer Storage Reservoir Evaluation
W. Resolution 06-3723 Ordering Construction of the Ground Storage Reservoir, and Fixing A Date For Hearing Thereon and Taking of Bids Therefor
X. Resolution 06-3823 Approving Offer to Purchase and Agreement - NW County Line Road

Water Main Hope K Farms

Y. Resolution 06-3923 Approving Offer to Purchase and Agreement – NW County Line Road Water Main Hope Timber

Z. Marketing and Communications Annual Report 2022

a. Resolution 06-4023 Adjusting Employee Compensation and Approving Salary Ranges for Fiscal Year 2024

b. Resolution 06-4123 Authorizing Human Resources Director to Sign Collective Bargaining Contract For American Federation of State, County, And Municipal, Iowa Council 61 (AFSCME) July 1, 2023, through June 30, 2024

c. Resolution 06-4223 Approving an 28E Agreement Between the City of Grimes, Iowa and the City of Johnston, Iowa for the Sharing of Administrative Resources and Equipment Supporting Fire and Emergency Medical Services

d. Resolution 06-4323 Approving Johnston Grimes Metropolitan Fire Department General Policy Addendum Statement for July 1, 2023, through June 30, 2024

e. Resolution 06-4423 To Fix A Date For A Public Hearing On Proposal To Enter Into A Water Revenue Loan and Disbursement Agreement and To Borrow Money Thereunder in a Principal Amount Not to Exceed $12,500,000.

f. Finance Report May 2023

6. Public Forum

"People wishing to address the Council need to sign up on the sheet which has been provided on the table near the door. Each person will be allowed three minutes from the podium and may address no more than two issues per Grimes Rules of Procedure for Conduct of City Business – May 2005."

PUBLIC AND COUNCIL AGENDA ITEMS

Council may consider and potentially act on the following Public Agenda items.

1. **Third Reading of Ordinance #779 Amending the Grimes Official Zoning Map, Pursuant to the Code of Ordinances Section 12-3-5 for the Following rezoning Request for Hope Timber and Associated Zoning change and Development Agreement**

2. **Third Reading of Ordinance #781 Amending the Hope Commercial Planned Unit Development**

3. **Third Reading of Ordinance 782 Amending Grimes Code of Ordinance Chapter 11-3 Provisions of the Building and Property Regulations of the City of Grimes, Iowa, Regarding the Adoption of the Grimes Rental Program**

4. **Second Reading of Ordinance 783 on Proposed Rezoning of Property Referred to as Grimes Crossing Generally Located at West of SE Gateway Drive and North of SE 8th Street from C-2 General and Highway Service Commercial District to R-3 Medium Density Two or More Family Dwelling District**

5. **Environmental Input State Revolving Fund (SRF) Loan for Improvements to the City's Drinking Water Infrastructure**
    a. Public Hearing on Environmental Input State Revolving Fund (SRF) Loan

6. **Vacate Certain Public Utility Easements in Hope Commercial Plat 4**
   a. Public Hearing to Vacate Certain Public Utility Easements in Hope Commercial Plat 4
   b. Resolution 06-4523 Vacating Certain Public Utility Easement in Hope Commercial Plat 4

7. **Resolution 06-4623 Approving Destination Ridge Plat 7 Final Plat**

8. **Approving GrimesPlex Plan Amendment**

9. **Approving Inspiring Dance Site Plan**

ADJOURNMENT

RESOLUTION NO. 06-1523 Approving the Grimes City Council Minutes

WHEREAS the City Clerk shall keep minutes of all City Council meetings;

WHEREAS, the minutes according to Iowa Code Section 21.3 are required to show the date, time and place, the members present, and the action taken at each meeting;

WHEREAS, the minutes shall show the results of each vote taken and information sufficient to indicate the vote of each member present;

WHEREAS, Iowa Code Section 372.13(6) requires that within 15 days following a regular or special meeting the Council, the clerk shall cause the minutes to the proceedings of the Council, including the total expenditure from each city fund, to be published in a newspaper of general circulation in the city.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa, recommend approval of the attached (Exhibit A) minutes.

PASSED AND APPROVED this 27th day of June 2023.

By: _____
Scott Mikkelsen, Mayor

ATTEST:
905

By: _____
Rochelle Williams, City Clerk

CITY COUNCIL MEETING
Tuesday, June 6, 2023

The Special Grimes City Council Meeting was held as an in-person and Zoom meeting. The meeting was called to order by Mayor Scott Mikkelsen, June 6, 2023, at 5:33 p.m. at the Grimes Community Complex, 410 SE Main Street, Grimes, Iowa. The Pledge of Allegiance was led by Mayor Mikkelsen.

ROLL CALL

Present: Mayor Scott Mikkelsen, Present: Council Members: Ryan Burger, Andrew Borcherding, Via Zoom: Eric Johansen, David Gisch, Absent: Laurie DePhillips

AGENDA ITEMS

APPROVAL OF THE AGENDA

Mayor Mikkelsen asked for approval of the agenda.
Moved by Borcherding, Second by Burger, to approve the agenda.
Roll Call: Ayes: All. Nays: None. Motion passes: 4- 0.

CONSENT AGENDA

A. Resolution 06-0123 Minutes approval from previous meeting B. Resolution 06-0223 Claims Report $2,216.116.87 C. Resolution 06-0323 Approving Bills and Quotes over $10,000 D. Resolution 06-0423 Approving Consent and Agreement for Improvements – Lot 7 of Willow Hills Plat 1 – 2919 NW Brookside Drive E. Resolution 06-0523 Approving Consent and Agreement for Improvements – Lot 7 of Kennybrook South Plat 1 – 1213 SW 7th Street F. Resolution 06-0623 Approving Request for Fireworks Permit Cutty's Des Moines Camping Club, Inc. July 1, 2023, and Saturday September 23, 2023, at 2500 SE 37th Street by J & M Displays Inc. G. Resolution 06-0723 Approving the Agreement for Cleaning Services at Grimes Community Complex H. Resolution 06-1323 Approving Farm Tenant Crop Loss Agreement and Partial Termination of Lease I. Resolution 06-1423 Approving Alcohol License 1. Grimes Liquor Shop – 3600 SE Crossroads Dr. : New License Class E Retail
Motion by Borcherding, Second by Burger, to approve the Consent Agenda.
Roll Call: Ayes: All; Nays: None Motion passes 4- 0

PUBLIC FORUM - None

Council Member Laurie DePhillips arrives at 5:36 pm

PUBLIC AND COUNCIL AGENDA ITEMS

1. **Resolution 06-1123 Approving the Agreement for GrimesPlex Sponsorship Management Services**

City Administrator Jake Anderson advised the Council that two proposals were received for Sponsorship Management services for the GrimesPlex. Anderson said those proposals came from Choice Creative Solutions located in Johnston, Iowa, and Great Plains Sponsorship, which is in Omaha, Nebraska. Anderson said the Parks and Recreation Department would like to enter into an Agreement with Choice Creative Solutions to do the marketing, sell sponsorship rights and advertising for the GrimesPlex. Brian Becker, Park and Recreation Director, added the Choice Creative Solutions proposal will provide a 15% Commission of total gross sponsorship revenues for agreements longer than 36 months, and a 12.5% commission of revenues for sponsorships of less than 36 months.

Moved by Burger, Second by DePhillips, to Approve Resolution 06-1123 Approving the Agreement for GrimesPlex Sponsorship Management Services.
Roll Call: Ayes: All. Nays: None. Motion passes: 5- 0.

2. Resolution 06-1223 Memorandum of Understanding with Destination Grille for Food Concessions at GrimesPlex

Brian Becker, Park and Recreation Director, stated the City and Destination Grille are interested in working together on the GrimesPlex concessions. Becker said the terms of the agreement would have the City providing concession facilities, payment of such utilities and the purchase of a portion of the equipment. Becker said that in return Destination Grille will pay a $40,000 annual rental fee for the first five years and then $60,000 over the last five years of the agreement with an option to renew for 10 years. He added that in correlation with concession management, Destination Grille will also pay a GrimesPlex sponsorship fee of $600,000 over a period of 10 years with an option to renew for 10 years. Becker noted this would bring the combined revenue from Destination to $1,100,000.00 over a 10-year period and if renewed it would be a combined revenue of $2,450,000 over a 20- year period. Becker noted that while a final contract has not yet been prepared and submitted to the legal decisionmakers for each entity, the parties are interested in executing this Memorandum of Agreement in good faith to establish preliminary terms that are central to any final agreement drafted between the parties.
Moved by Burger, Second by DePhillips, to approve Resolution 06-1223 Memorandum of Understanding with Destination Grille for Food Concessions at GrimesPlex
Roll Call: Ayes: All. Nays: None. Motion passes: 5- 0.

3. GrimesPlex Buildings Project

Matt Ahrens, City Engineer, addressed Council stating 9 bids were received for the concession stand buildings project. Ahrens said the low bid, which came in about $6% or $270,000 under the engineer's estimate. The low bidder is Edge Commercial, Grimes, Iowa for a total of $4,538,000.00. Ahrens said this is the same company that is currently working on the Waterworks Park Improvements and sitework for the GrimesPlex. Development Services Director Alex Pfaltzgraff offered details on the layout and design as proposed. Pfaltzgraff noted these concepts were developed after extensive research on similar projects that staff toured. Pfaltzgraff said there will be two 2,781 square feet concession/restroom buildings, a maintenance building, two trash enclosures and two monument signs. Pfaltzgraff said a 3,267 square feet maintenance building is also proposed on the north side of the complex to house sports and facility maintenance equipment. Council held general discussion regarding the project.

Matt Ahrens, City Engineer, presented a report to the Council regarding the concession stand/restroom, maintenance buildings, dumpster enclosures and monument signs project. He informed the Council that a total of 9 bids were received for the project. He added that the low bid submitted by Edge Commercial from Grimes, Iowa, came in approximately 6% or $270,000 under the engineer's estimate. Edge Commercial's bid was $4,538,000.00 which included an alternate. Ahrens added Edge Commercial is currently involved in the ongoing Waterworks Park Improvements and GrimesPlex sitework projects. Alex Pfaltzgraff, Development Services Director, provided additional information on the proposed layout and design of the concession stand buildings. Pfaltzgraff emphasized that these concepts were developed after thorough research on similar projects. The plan includes two concession/restroom buildings, each spanning 2,781 square feet, a maintenance building, two trash enclosures, and two monument signs. Additionally, it is proposed to construct a 3,267 square feet maintenance building on the north side of the complex to accommodate sports and facility maintenance equipment.

The Council engaged in a discussion regarding the project, addressing various aspects and considerations associated with it. Mayor Mikkelsen and Council thanked staff for their time on this project.

Mayor Mikkelsen opened the Public Hearing at 5:57 p.m. Being no written or oral comments, Mayor Mikkelsen closed the Public Hearing at 5:57 p.m.

3.b.Resolution 06-0823 Adopting Plans, Specifications, Form of Contract and Estimate of Cost for the GrimesPlex Buildings

Moved by Burger, Second by Borcherding, to Approve Resolution 06-0823 Adopting Plans, Specifications, Form of Contract and Estimate of Cost for the GrimesPlex Buildings
Roll Call: Ayes: All. Nays: None. Motion passes: 5 - 0.

3.c. Resolution 06-0923 Making Award of Construction Contract for the GrimesPlex Buildings

Moved by Burger, Second by Borcherding, to approve Resolution 06-0923 Making Award of Construction Contract for the GrimesPlex Buildings
Roll Call: Ayes: All. Nays: None. Motion passes: 5 - 0.

3.d. Resolution 06-1023 Authorizing Construction Contract and Bond for the GrimesPlex Buildings

Motion by Burger, Second by Borcherding, to Approve Resolution 06-1023 Authorizing Construction Contract and Bond for the GrimesPlex Buildings
Roll Call: Ayes: All. Nays: None. Motion passes: 5 - 0.

ADJOURN
There being no further business the meeting was adjourned at 6:05 p.m.
Motion by Burger, Second by Borcherding to adjourn.
Roll Call: Ayes: All; Nays: None Motion passes 5- 0

ATTEST:

Rochelle Williams, City Clerk

Scott Mikkelsen, Mayor

RESOLUTION NO. 06-1623 Approving and Authorizing Expenditures

WHEREAS the Finance Department prepares a list of authorized expenditures to be approved by the Grimes City Council;

WHEREAS, the attached (exhibit A) have been reviewed as being justified and properly due and made in accordance to city guidelines.

WHEREAS, the listing has been prepared and reviewed by the Finance Department Staff and is being submitted to the City Council for approval.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa, recommend approval of the attached (Exhibit A) expenditures.

PASSED AND APPROVED this 27th day of June 2023

By: _____
Scott Mikkelsen, Mayor

ATTEST:

By:_____
Rochelle Williams, City Clerk

City of Grimes Claims 06 27 2023

IMPACT7G	PRAIRIE MEADOWS GRANT WRITING	$	3,575.00
D&K PRODUCTS	TURF CHEMICALS/CHALK	$	11,034.98
A TECH INC.	FIRE MONITOR RO PLANT 6/1-8/31	$	239.85
A KINGS THRONE LLC	PARKS - PORTABLE RESTROOMS	$	946.10
ACCU JET	HYDRO 6 LOCATES ON LIFT STATION	$	2,229.51
AIA CORPORATION	FD DUTY UNIFORM - HOOPER	$	104.70
ALLENDER BUTZKE ENGINEERS	LIBRARY - ENGINEERING FEES	$	16,298.00
EUROFINS TESTAMERICA	STATE LAB TESTING	$	1,360.00
AMERICAN PUBLIC WORKS ASSOC	APWA MEMBERSHIP DUES	$	955.00
JOHNSON CONTROLS SECURITY	CH SECURITY 7/1-9/30/23	$	268.76
SHERWIN WILLIAMS	STREET PAINT	$	556.82
PAINT PUMP PROS	WALK BEHIND PAINTER MAINTENANCE	$	603.50
BAKER & TAYLOR	LIBRARY MATERIALS	$	1,139.31
BANKERS TRUST COMPANY	CITY CREDIT CARD CHARGES	$	9,420.97
BARCO PRODUCTS	PET WASTE BAGS	$	3,182.89
BLACK HILLS ENERGY	GAS	$	192.78
BDI SIGNS	VEHICLE DECALS	$	885.00
BLACKBURN MFG. CO.	UTILITY LOCATING FLAGS	$	665.50
BIG GREEN UMBRELLA MEDIA	LIBRARY PROGRAMMING SUPPLIES	$	1,739.00
BOMGAARS	PW/DS/PARKS SUPPLIES	$	6,295.17
KOCH OFFICE GROUP	PW COPIER CONTRACT AND OVERAGE	$	93.47
CAPITAL CITY EQUIP. CO.	WORKSITE UTILITY VEHICLE/EQUIP RENTAL	$	21,718.90
CITY OF URBANDALE	GRIMES WRA CONNECTOR	$	1,993.75
CENTRAL IOWA PEST	CITY BUILDINGS PEST CONTROL	$	445.00
CENTRAL IOWA MECHANICAL	GCC AIR CONDITIONER REPAIR	$	1,088.00
CITY OF JOHNSTON	FD WAGES/JOINT PURCH-100TH WIDENING	$	252,402.37
CIVIL DESIGN ADVANTAGE	GRIMESPLEX PAYMENT #10/PW PROJECT	$	41,118.94
CLIVE POWER EQUIPMENT	SPARE BLADES	$	125.37
COLLECTION SERVICES CENTE	CHILD SUPPORT	$	1,378.42
CORE & MAIN	HYDRANT REPAIR/SUPPLIES/DS TOOLS	$	12,267.94
CROWN TROPHY	SUMMER SPORTS RIBBONS	$	240.00
DCG SCHOOLS	SUMMER ADVENTURES JUNE BUSSING	$	1,308.50
DALLAS COUNTY RECORDER	RECORDING FOR HOPE TIMBER LLC	$	672.00
DIAMOND VOGEL	PARTS FOR PAINTER/STREET PAINT	$	223.14
DES MOINES REGISTER	PUBLICATIONS	$	1,255.71
EDGE COMMERCIAL	WATERWKS PARK IMPR #7/GRIMESPLEX #5	$	5,873,978.20
SCOTT'S AUTO GLASS	SIDE WINDOW REPAIR BACKHOE	$	250.00
HOME DEPOT #2115	PW - TOOLS FOR TRUCKS	$	316.64
FASTENAL	DRILL BITS FOR MANHOLE REPAIR	$	318.84
FELD FIRE	AMBULANCE REPAIR	$	338.00
FINISH LINE AUTO WORKS	PARKS/PW - TIRES AND TIRE REPAIR	$	655.12
GRAINGER	MANHOLE COVER LIFTER/WINCHES	$	2,379.45
CATCH DES MOINES	JAN-MAR 2023 HOTEL/MOTEL TAX	$	4,619.37
HAWKEYE TRUCK EQUIPMENT	PW - SIDE BOXES/TRUCK SUPPLIES	$	1,737.00
HAWKINS INC.	CHLORINE/CHEMICALS	$	24,827.86

COENEN HEATH	CLOTHING ALLOWANCE REIMBURSEMENT	$	363.56
HILLYARD	PW/PARKS/GCC CLEANING SUPPLIES	$	346.87
HOOPLA	LIBRARY MATERIALS	$	1,345.19
RELIANT FIRE APPARATUS	REPAIR 2016 RESCUE	$	18,179.77
STATE HYGIENIC LABORATORY	MANDATED TESTING OF ASR WATER	$	775.00
IOWA DIVISION LABOR SERVICE	GCC ELEVATOR PERMIT & INSPECTION	$	165.00
INTEGRATEDPRINT SOLUTIONS	JENNIFR WHITHAM JOHNSON CARDS	$	49.00
IOWA DOT	REFLECTIVE BEADS	$	983.20
IOWA LIBRARY ASSOCIATION	ILA ANNUAL CONFERENCE 2023	$	185.00
IOWA ONE CALL	LOCATES	$	513.10
IOWA FIRE EQUIPMENT CO.	FIRE EXT INSPECTION SUPPLIES	$	262.00
IOWA STORMWATER EDUCATION	23-'24 IA STORMWATER MEMBERSHIP	$	3,930.00
IOWA STATE UNIVERSITY	MUNICIPAL PROF INST - WILLEY	$	512.00
HEID CHERYL	MILEAGE REIMBURSEMENT	$	143.45
KLEENER IMAGE, INC.	MULCH SOUTH COMPLEX	$	1,166.00
KLINE ELECTRIC INC	STREETLIGHT REPAIRS	$	18,067.76
LEAF	COPIER CONTRACT - P&R	$	87.72
WOODKE MARCIA	MILEAGE REIMBURSEMENT-DRAKE CLASS	$	34.06
LIBERTY READY MIX	PW - CONCRETE	$	15,684.50
LOGAN CONTRACTORS SUPPLY	PW - CONCRETE SUPPLIES/AIR HOSE	$	4,906.73
LOGOED APPAREL & PROMOTION	PW/DS - STAFF CLOTHING/SAFETY	$	810.69
MAIL SERVICES	UB MONTHLY REMINDER	$	3,530.93
MARTIN MARIETTA AGGREGATE	LIFT STATION/WELL ROCK	$	1,292.65
MEDIACOM	PW/CH INTERNET AND TV	$	402.14
METRO WASTE AUTHORITY	APRIL/MAY 2023 GARBAGE FEE/STICKERS	$	122,880.94
MACQUEEN EQUIPMENT	SWEEPER REPAIRS	$	9,593.98
MIDWEST AUTOMATIC FIRE	GRIMES LIBRARY APP #1	$	24,700.00
MIDWEST WHEEL COMPANIES	PW - PART FOR S404	$	14.10
MIDAMERICAN ENERGY	ELECTRIC	$	729.29
MIDWEST VAC PROFESSIONALS	CLEAN OUT RAS PIT@WW&SE LIFT STATION	$	1,900.00
MISSISSIPPI LIME CO.	QUICKLIME	$	19,676.04
MIDAMERICAN ENERGY	ELECTRIC SERVICE FOR SPLASHPAD	$	10,643.40
MTI DISTRIBUTING INC.	SPRINKLER HEADS/SUPPLIES/PARTS	$	858.62
MUNICIPAL SUPPLY, INC.	METERS & SMART POINT SUPPLIES	$	26,334.09
NAPA AUTO PARTS	PW - S208 SUPPLIES	$	64.53
O'HALLORAN INTERNATIONAL	PW REPAIRS/PARKS GEOTAB SOFTWARE	$	6,228.95
O'REILLY AUTO PARTS	PARKS/DS/PW SUPPLIES	$	1,102.84
OFFICE DEPOT	DS/CH/PARKS/PW SUPPLIES	$	673.43
ONESOURCE BACKGROUND CHECK	BACKGROUND CHECKS	$	385.00
OVERDRIVE, INC	LIBRARY MATERIALS	$	2,496.09
TRUE VALUE	FD/PW PARTS	$	19.31
PITNEY BOWES POSTAGE	POSTAGE METER REFILL	$	1,000.00
POLK COUNTY CONSERVATION	SUMMER ADVENTURES POND STUDY	$	50.00
POLK COUNTY TREASURER	MAY CONTRACT 2023	$	115,821.83
PLASTIC RECYCLING	GROVE PARK BENCH	$	933.00
RANKIN COMMUNICATION	LIBRARY PHONE SERVICE	$	171.70
RHINER'S PLUMBING	CITY ORDERED CURB STOP REPAIRS	$	6,330.00

SMITH'S SEWER SERVICE	CLEAR STORM DRAINS AT WTP	$	325.00
SNYDER & ASSOCIATES	E GATEWAY DR/NE DEST PAY APP 2 AND 8	$	32,260.32
SPRAYER SPECIALTIES	PARKS - DIGITAL METER/EQUIPMENT	$	536.02
STIVERS FORD	FD AMBULANCE SERVICE/BREAKS	$	3,167.09
TAPCO	SCHOOL ZONE SIGN	$	5,302.65
THOMAS BUS SALES	PARKS TRAILER TIRES	$	411.95
TOMPKINS INDUSTRIES INC.	HYDRAULIC HOSE	$	67.54
TRIPLETT OFFICE ESSENTIAL	DS - OFFICE DESKTOP	$	169.00
UNIQUE MANAGEMENT SERVICE	LIBRARY COLLECTION SERVICES	$	46.60
UNPLUGGED WIRELESS	WW-102 LIGHTS/RADIO	$	2,425.95
UNITED CONTRACTORS, INC	SPECIAL BACKFILL-CONCRETE	$	409.76
UNITED RENTALS	GOVERNOR'S DAYS GENERATOR/LIFTSTATION	$	1,707.95
US WATER	MAY 2023 SERVICES	$	76,450.63
CINTAS FIRST AID & SAFETY	CITY FIRST AID BOXES	$	774.42
USA BLUE BOOK	DIFFUSER/HYDRANT REPAIR	$	2,298.48
ULINE	SAFETY- EYE WASH STATION/SAFETY CONES	$	1,771.74
VERIZON WIRELESS	PW/DS CELL PHONES & HOT SPOTS	$	395.06
VEENSTRA AND KIMM, INC.	WRA CONNECTOR PYMT #54	$	78,532.16
VAN MAANEN ELECTRIC, INC	LIBRARY COMPLEX PHASE 2 AP #14	$	76,022.87
VAN METER INC.	FUSES-LIME PLANT AIR HANDLING	$	144.77
VAN WALL EQUIPMENT	SKIDLOADER VALVE REPAIR/SAW/SUPPLIES	$	4,664.07
WHITFIELD & EDDY	CITY OF GRIMES - ATTORNEY FEES	$	5,616.50
WILLIAMS SCOTSMAN, INC	FD - MOBILE OFFICE	$	951.12
ZIEGLER	PW - S403 SUPPLIES	$	65.94
MERCYONE OCCUPATIONAL HEALTH	FD-NEW EMPLOYEE PHYSICAL/PW TESTING	$	994.00
CONTRACTOR SOLUTIONS	HANDHELD AIR GAS MONITOR	$	763.00
ELM USA	LIBRARY DISC BUFFER	$	25.00
CENTURY LINK	PHONE	$	2,177.89
GATEHOUSE MEDIA IOWA	PUBLICATIONS	$	130.83
RJ MARTIN EXCAVATING	HAULING JUNK DIRT	$	1,050.00
ENVISIONWARE	LIBRARY - 3RD SELF CHECK	$	9,690.00
INFOMAX OFFICE SYSTEMS, INC	LIBRARY COPIER	$	523.72
EFTPS	FED/FICA TAX	$	64,368.34
CSG FORTE PAYMENTS, INC	CC FEES	$	4,089.15
EJS SUPPLY	PW - PLOW BLADE-UTV	$	1,016.73
MARTIN OIL WHOLESALE	BULK DEF FLUID	$	250.95
MID-IOWA TOWING	TOWING OF PLOW TRUCK	$	608.75
GREIMAN JAMES	CLOTHING ALLOWANCE REIMBURSEMT	$	63.00
SWANK MOVIE LICENSING USA	LIBRARY PROGRAMMING SUPPLIES	$	445.00
DES MOINES ASPHALT & PAVEMENT	DIRT DUMP FEE	$	427.76
UMB BANK, N.A.	BOND FEES	$	1,050.00
MENARDS	PW/FD/PARKS SUPPLIES	$	3,004.21
DTN, LLC	PW - WEATHER-ANNUAL 7/1/23-6/30/24	$	4,541.00
MI-FIBER, LLC	INTERNET	$	458.80
BOLTON AND MENK INC	HWY 44/SW CNTY LINE IMPRVM #38	$	4,389.50
MCCLURE ENGINEERING	WATER SYS IMPROV PHASE 1A #10	$	76,818.83
SHAFER, ERIC	SPEED & AGILITY & SOCCER CAMP	$	1,308.00

BULK TRANSPORT CO EAST	DELIVERY OF LIME	$	6,823.20
COPY SYSTEMS INC	FD COPIER CONTRACT	$	59.16
SHANK CONSTRUCTORS INC	WRA CONNECTOR - CONTRACT 4	$	235,379.16
INVISION	LIBRARY CONSTRUCTION ADMINISTRATION	$	8,051.37
VOYA	DEFER COMP PRE	$	2,976.92
FOTH INFRASTRUCTURE & ENV	SE 11TH ST & S JAMES ST #8	$	96,996.39
TENNAL MIKLANNET	VBALL CAMP 6-13-23 TO 6-15-23	$	1,032.00
AIG	DEFER COMP ROTH	$	822.50
HORACE MANN	DEFER COMP ROTH	$	325.00
MASSMUTUAL	DEFER COMP PRE	$	2,158.00
CHRISTENSEN DEVELOP 1 LLC	LIBRARY CONSULTING	$	10,000.00
NILLES ASSOCIATES	EXISTING BASIN ENHANCEMENTS	$	2,500.00
LUMEN CENTURY LINK	PHONE	$	617.11
MSA PROFESSIONAL SERVICES	SE LTLE BEAV/4TH-6TH MAIN #1	$	69,619.10
LIFETIME ATHLETIC	TENNIS CAMP 6-5-23 TO 6-15-23	$	864.00
ENCODEPLUS, LLC	CODIFICATION	$	108.00
ELECTRIC PUMP	HISTORICAL DATA ON SCADA	$	1,630.30
REDBUD LLC	MAY-MOWING/HERBICIDE/LANDSCAPING	$	19,965.00
ANKENY SANITATION	MAY GARBAGE AND REYCLING	$	4,296.75
TRANSIT WORKS	ENGINEERING TOOLS	$	3,028.70
RELIABLE MAINTENANCE CO	GCC CLEANING MAY 2023	$	3,100.00
WAUKEE POWER EQUIPMENT	PW - CABLE- THROTTLE	$	39.59
GRAPHITE CONSTRUCTION GROUP	GRIMES LIBRARY APP #14	$	52,327.41
SCENTAIR TECHNOLOGIES	GCC IONS 6-10-23 TO 7-9-23	$	616.00
NORTHERN TOOL & EQUIPMENT	PAINTER TUBE	$	17.99
ENVIRONMENTAL RESOURCE	CERT SAMPLES FOR TEST LAB EQUIPMENT	$	677.64
RENEWABLE ENERGY GROUP	FUEL- STREETS/FD/DS/PARKS	$	14,399.14
I&S GROUP, INC	WATER WORKS SPLASH PAD #18	$	44,149.18
EBS	JULY 2023 PREMIUMS	$	73,046.86
QUESTCDN.COM	PROJECT BIDDING	$	176.00
EZ FACILITY	PARKS - REGISTRATION SOFTWARE	$	2,124.00
DELL MARKETING	PC HARDWARE	$	5,982.19
VICTORY MOUNDS	PITCHING/10" PORTABLE MOUNDS	$	2,495.00
SYNERGY FIRE & SAFETY	HAULING SLUDGE TO WRA	$	87,390.70
HALBROOK EXCAVATING, INC	SE JACOB ST RECON/STORM SWR #7	$	253,574.00
MONOPRICE INC	NETWORK CABLES	$	86.54
THE WEITZ COMPANY	GRIMES PUBLIC LIBRARY PYMT #16	$	66,843.51
WPS GHA	REFUND FOR INSURANCE OVERPAYMENT	$	336.25
WELLMARK BCBS OF IOWA	REFUND FOR INSURANCE OVERPAYMENT	$	84.20
CITY OF GRIMES FLEX	EMPLOYEE FLEX SPENDING	$	10,712.91
CONFLUENCE	WALLACE PARK PHASE 1 PLANNING SERVICES	$	6,467.70
SJ LOUIS CONSTRUCTION	WRA CONNECTOR CONTRACT 1 #15	$	608,123.28
AMC MECHANICAL INC	GRIMES LIBRARY APP #10	$	183,842.62
FORREST & ASSOCIATE, INC	GRIMES PUBLIC LIBRARY PAYMT #6	$	100,024.67
S.M. HENTGES & SONS INC	WRA CONNECTOR - CONTRACT 2 #10	$	246,981.24
CIVICPLUS, LLC	CIVIC REC/CH SOFTWARE	$	12,265.51
FORMAN FORD	GRIMES LIBRARY APP #8	$	24,414.69

HEARTLAND BUSINESS	MONTHLY OFFICE 365	$	2,441.80
COMMONWEALTH ELECTRIC	FIBER WORK AT WATER PLANT	$	3,563.82
IOWA POND GUY LLC	HERITAGE PARK FOUNTAIN CHECKS	$	200.00
JAMESON, GREG	ITAG CONFERENCE REIMBURSMT- JAMESON	$	2,555.09
CITY OF GRIMES HSA	HSA DEDUCTION	$	453.84
SOYER, MICHELLE	YOGA INSTRUCTOR PAYMENT	$	468.00
PERFORMANCE CONTRACTING	GRIMES LIBARARY DRAW #7	$	135,208.75
AMAZON	LIBRARY/DS /PW SUPPLIES	$	1,696.85
SIDEKICK DEVELOPMENT	OWNERS REP - JUNE 2023	$	5,000.00
SVPA ARCHITECTS	GRIMESPLEX 5/1-5/28	$	11,311.96
ARAMARK	GCC RUG RENTAL SERVICE 6-2-23	$	81.59
ACADEMY ROOFING	GRIMES LIBRARY PE 1 - APP #3	$	44,089.50
MIDWEST TURF SUPPORT LLC	FIELD CHEMICALS	$	2,514.50
STERNQUIST CONSTRUCTION	SE TRAIL RIDGE ROAD RECONST #1	$	230,833.79
EBRTOS INC	SOCCER GOALS GRIMESPLEX	$	130,018.00
HOWREY CONSTRUCTION INC	HWY 44 TRAIL EXTENSION #1	$	149,410.82
SPORTAFLEX LLC	PORTABLE FENCING GRIMESPLEX	$	107,939.50
TMC FURNITURE IINC	LIBRARY FURNITURE	$	3,526.88
SUPERIOR INNOVATIONS INC	CONCRETE TOOL	$	45.84
GOOD DEAL	TENT FOR GRIMES OKTOBERFEST	$	1,960.00
BOOM DADDY FIREWORKS	MERCHANT LICENSE REIMBURSEMENT	$	200.00
DES MOINES AIRPORT	YEAR 1 OF 5 DSM AIRPORT PROJCT	$	30,000.00
TOWNSELL JOE	FENCE PERMIT REFUND	$	20.00
IRONROAD PROPERTIES LLC	NORTH POINTE TH'S PLAT 1 LOT	$	6,900.00
AARP	POMERANTZ JNIA-20-2800:1	$	182.12
CHRISTENSON FARMS	CROP LOSS AGREEMENT - WRA PROJECT	$	16,500.00
DUNGEON'S GATE	LIBRARY MATERIALS	$	1,602.37
DEPOSIT REFUNDS	REFUND DATE 06/22/2023	$	100.00
PAYROLL CHECKS	TOTAL PAYROLL CHECKS	$	178,446.17
	CLAIMS TOTAL	**$**	**10,541,323.01**
	GENERAL FUND	$	701,927.39
	LIBRARY FUND	$	44,368.63
	ROAD USE TAX FUND	$	28,572.46
	EMPLOYEE BENEFITS FUND	$	79,584.45
	HOTEL/MOTEL/ECON DEV FUND	$	4,619.37
	RESTRICTED GIFTS FUND	$	258.12
	DEBT SERVICE FUND	$	1,050.00
	CP - GRIMES COMMUNITY COM FUND	$	2,749.50
	WRA SANI SEWER PHASE 1 FUND	$	705,149.19
	HWY44 & COUNTY LN RD 2020 FUND	$	7,281.41
	ANNUAL WATER MAIN REPLACE FUND	$	44,690.00
	SPLASH PAD FUND	$	329,781.27
	GRIMES LIBRARY BLDG FUND	$	739,081.84
	WRA SANI SWR PHASE 2 FUND	$	246,981.24
	WRA SANI SWR PHS 4 FUND	$	235,379.16
	WALLACE FARM FUND	$	6,467.70

	JACOB ST OVERLAY PROJ FUND	$	267,105.60
	GRIMESPLEX FUND	$	5,888,034.41
	SE 11TH & JAMES FUND	$	96,996.39
	11TH & GATEWAY SIGNAL FUND	$	19,471.82
	WATER PRODUCTION PROJECTS FUND	$	76,818.83
	NE DEST/NE BVRBROOKE IMP FUND	$	12,788.50
	SE TRL RDG RD RECONSTRUCT FUND	$	242,231.29
	HWY TRL EXT TO SCHOOL FUND	$	149,410.82
	FIRE STATION FUND	$	5,000.00
	100TH ST WIDENING FUND	$	118,100.79
	SEWER COMPLIANCE PROJECT FUND	$	87,390.70
	WATER FUND	$	173,256.79
	WATER DEPOSITS FUND	$	100.00
	SEWER FUND	$	81,885.17
	LANDFILL/GARBAGE FUND	$	126,846.69
	STORM WATER FUND	$	17,943.48
		$	**10,541,323.01**

MAY 2023 MONTHLY REVENUE	GENERAL FUND	2,323,305.66
	LIBRARY FUND	449,455.32
	ROAD USE TAX FUND	191,656.06
	EMPLOYEE BENEFITS FUND	1,032,036.96
	LOCAL OPTION SALES TAX FUND	270,235.11
	TAX INCREMENT FINANCE FUND	166,431.20
	ECONOMIC DEV REV LOAN FUND	17,237.51
	DEBT SERVICE FUND	2,740,029.80
	CAPITAL PROJECTS FUND	37,137,023.29
	WATER FUND	2,473,569.53
	SEWER FUND	823,461.75
	LANDFILL/GARBAGE FUND	247,902.46
	STORM WATER FUND	66,840.50
		47,939,185.15

AMAZON CLAIMS 06/27/2023		
Charges	**Amount**	**Description**
Public Works	$25.79	Supplies
	$164.44	Disposable/grip work gloves
	$119.98	Dent puller
IT Dept/HR	$284.99	Cable Management supplies
Library	$293.49	Materials
	$117.75	Office Expense
	$166.63	Programming Supplies
Parks	$71.28	Yoga lamp and light bulbs
	$327.06	Giving garden hose protectors
Dev. Services	$125.44	Office Supplies
	$1,696.85	

Bankers Trust Credit Cards			
City of Grimes			
7015	$ 36.36	Casey's	June CH Birthday celebration - pizza
	$ 32.76	USPS	Certified Mail
	$ 75.00	Women in Public Finance	Annual Membership-Woodke/Steele/Thornburg
	$ 616.19	Hyatt Regency/United/Trimet	Annual GFOA conference expenses-Woodke
	$ 59.88	Walmart	Office Supplies
Parks & Rec			
8062	$ 39.96	Walmart	Batteries
	$ 101.25	Stevie C's	Pizza for staff meeting
	$ 1,056.10	Beacon Athletics	Chalker/Batters box template
	$ 195.00	Find a Goal	Replacement soccer nets
	$ 714.00	Adel Aquatic	Summer Adventures Admission
	$ 288.00	West Des Moines Aquatic	Summer Adventures Admission
	$ 65.82	Walmart	Electronic Whistles
	$ 270.00	Iowa SFMA	Workshop/Memberships-Houk/Kenyon/Shroyer
Dev Serv - Alex			
8047	$ 738.55	International Code Council	Code Books
	$ 24.47	Casey's	LEAN Training breakfast
	$ (900.00)	Office Dynamics	Conference refund
	$ 71.64	Fareway	Water and soda for employee lunch
	$ 55.67	USPS	Certified letter - Code Enforcement
	$ 42.16	Walmart	Office Supplies
Dev Serv - Matt			
4515	$ 1,176.00	Flame Catering	City Employee Appreciation lunch
	$ (600.00)	VRBO Credit Voucher	APA Conference Hotel Refund
Public Works			
8021	$ 2,505.84	National Construction Rentals	Governor's Days fencing
	$ 63.04	Iowa DNR Fees	Distribution I - Prohaska
Fire			
4557	$ 104.26	Sam's Club	Governor's Days parade candy
Library			
8070	$ 236.00	American Library Association	Membership renewal- Cail
	$ 71.10	American Library Association	Webinar - Cheryl
	$ 31.06	Walmart	Programming Supplies
	$ 30.00	Dungeon's Gate	Summer Reading gift certificates
	$ 25.00	Reading in Public	Summer Reading gift certificates
	$ 101.60	Primo Water	Water Cooler
	$ 75.00	Piney Ridge	Funeral plant
	$ 18.89	PetSmart	Gecko supplies

	$ 150.96	StorageMart	Storage
Administrator			
1611	$ 20.00	CHATGPT Subscription	Subscription
	$ 345.23	Destination Grille	Metro Managers Meeting
	$ (250.00)	Destination Grille Deposit Refund	Metro Managers Meeting deposit refund
	$ 4.00	Parking	Meeting parking
	$ 410.00	Iowa League of Cities	Membership dues
	$ 790.00	ICMA Conference 2023	Lodging - Austin Marriott
City Hall			
4531	$ 424.24	Iowa Land Records	Recordings
	$ 35.08	USPS	Certified Mail
Rob Fox			
4523	$ 0.50	Microsoft	Monthly charge for DNS service
	$ 40.00	Cognito	Team subscription
	$ 5.36	Managed.com	Website storage
Erik Fisk			
4507	$ 25.00	FMCSA	Query Package
Total	$ 9,420.97		

GRIMES RESOLUTION 06-1723

APPROVING QUOTES AND BILLS OVER $10,000 ACCORDING TO THE GRIMES PURCHASING AND PROCUREMENT POLICY

WHEREAS, the City of Grimes has adopted a Purchasing and Procurement Policy

WHEREAS, the Purchasing and Procurement Policy provides that purchases or payments over $10,000 have City Council approval.

WHEREAS, any items and/or service with a value of between $1,000 and $10,000 require up to three (3) quotations unless the item or service obtained or provided cannot be obtained. Products offered under government purchasing consortium do not require (3) quotes.

WHEREAS, the Finance Director will ensure that, for accounting purposes, necessary records are kept and made available for reference.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA, that the following items attached as *Exhibit A* be approved for purchase or payment.

PASSED AND APPROVED THIS 27th DAY OF JUNE 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

CITY OF JOHNSTON ACCOUNTS RECEIVABLE INVOICE
6221 MERLE HAY ROAD
PO BOX 410
JOHNSTON, IA 50131-1226
PHONE (515) 278-2344

Johnston
THRIVE. EVERY DAY.

CITY OF GRIMES
101 N HARVEY STREET
GRIMES IA 50111

CUSTOMER#: 10-102
INVOICE#: 202306194527
INVOICE DATE: 6/21/2023
DUE DATE : 7/19/2023
P.O. # :

========== CHARGE DETAIL ==========

ITEM DESCRIPTION	UNITS		TYPE	PRICE	AMOUNT
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	0.00
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	326.14
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	26.60
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	1,180.29
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	1,631.99
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	97.50
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	136.80
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	613.02
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	685.25
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	30.75

CONTINUED ON NEXT PAGE

CITY OF JOHNSTON ACCOUNTS RECEIVABLE INVOICE
6221 MERLE HAY ROAD
PO BOX 410
JOHNSTON, IA 50131-1226
PHONE (515) 278-2344

CITY OF GRIMES
101 N HARVEY STREET
GRIMES IA 50111

CUSTOMER#: 10-102
INVOICE#: 202306194527
INVOICE DATE: 6/21/2023
DUE DATE : 7/19/2023
P.O. # :

========== CHARGE DETAIL ==========

ITEM DESCRIPTION	UNITS		TYPE	PRICE	AMOUNT
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	16.50
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	34.71
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	50.96
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	18,197.09
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	68.34
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	9.45
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	326.15
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	95.00
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	1,130.30
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	1,632.01

CONTINUED ON NEXT PAGE

CITY OF JOHNSTON ACCOUNTS RECEIVABLE INVOICE
6221 MERLE HAY ROAD
PO BOX 410
JOHNSTON, IA 50131-1226
PHONE (515) 278-2344

Johnston
THRIVE. EVERY DAY.

CITY OF GRIMES
101 N HARVEY STREET
GRIMES IA 50111

CUSTOMER#: 10-102
INVOICE#: 202306194527
INVOICE DATE: 6/21/2023
DUE DATE : 7/19/2023
P.O. # :

========== CHARGE DETAIL ==========

ITEM DESCRIPTION	UNITS		TYPE	PRICE	AMOUNT
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	136.80
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	257.82
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	613.04
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	685.28
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	30.75
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	16.51
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	34.72
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	50.98
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	5,430.42
APR-MAY 2023 SUPPLIES REIMB	0.00	1		0.00	9.45

CITY OF GRIMES 10-102 INVOICE#: 202306194527

TOTAL DUE : $ 33,554.62

PLEASE REMIT BOTTOM PORTION WITH YOUR PAYMENT

THANK YOU

✓C-O

DES MOINES International Airport

Invoice

Invoice No:	0044747-IN
Invoice Date:	6/1/2023
Customer No:	GR980
Terms:	Per Resolution or Agreement

Bill To:
Grimes, City of
City Hall
101 NE Harvey St
Grimes, IA 50111

PAID

INVOICE COMMENT: Res#02-0922, DSM Terminal

DESCRIPTION	QUANTITY	RATE	AMOUNT
DSM Airport Terminal Project Resolution# 02-0922 - Support for Des Moines Airport Terminal Project, $30,000 a year for five-years beginning with fiscal year 2023, contingent on the Airport Authority notification that it has commitments and/or financing in place for the remaining funding needed to complete construction of the project			30,000.00

Net Invoice:	30,000.00
Freight:	0.00
Sales Tax:	0.00
TOTAL DUE:	**$30,000.00**

Due by 6/30/2023

Please make checks payable to:

Des Moines Airport Authority
Attn: Accounts Receivable
5800 Fleur Drive, Room 207
Des Moines, IA 50321-2800

- For billing inquiries, please call (515) 256-5645, or email AR@dsmairport.com
- Finance charges of 1.5% per month will be assessed on any past due balances; returned checks will be assessed a $20 surcharge

#001-699-6599 year 1 of 5 DSM Airport

MW

Marcia Woodke

From: donotreply@dsmairport.com
Sent: Thursday, June 8, 2023 4:17 PM
To: Marcia Woodke
Subject: Des Moines Airport Authority Invoice 0044747
Attachments: 0044747IN.PDF

You don't often get email from donotreply@dsmairport.com. Learn why this is important

NOTE: This message is being generated from an unmonitored email account, do not respond directly to this email

Marcia -

Per your request, the Des Moines Airport Authority is billing annually in the amount of $30,000 over the next 5 years (Fiscal Years ending June 2023 to June 2027) for the City of Grimes' resolution 02-0922 supporting the Des Moines International Airport Terminal Project - the attached invoice represents the first annual billing.

If you have any questions, please feel free to contact me at (515) 256-5072 or via email at hjhoover@dsmairport.com.

Thank you!

--
Herb Hoover
Accounting Manager
Des Moines Airport Authority

Airport DoNotReply
E: donotreply@dsmairport.com

DES MOINES International Airport | Iowa to Anywhere

CONFIDENTIALITY NOTICE

This e-mail message and all attachments transmitted with it may contain legally privileged and confidential information intended solely for the use of the addressee. If the reader of this message is not the intended recipient, you are hereby notified that any reading, dissemination, distribution, copying, or other use of this message or its attachments is strictly prohibited. If you have received this message in error, please notify the sender immediately and delete this message from your system.

Thank you.

VC-0
1

REMIT TO:
5461 NW 2ND STREET
DES MOINES, IOWA 50313
(515) 635-0161

CAPITAL CITY KUBOTA

SALES • SERVICE

INVOICE K 13213

001.470.6727

Cust. P.O. #: 20232872

PAID

Name: Alex Miller
Company: City of Grimes
Address: 1700 SE Destination Dr.
Grimes, IA 50111

Email: amiller@grimesiowa.gov
Date: 2/28/23
Terms: Net 30 Days
Phone: 515-531-4051

I (we), the undersigned, hereby order from you the Equipment described below, to be delivered as shown above. This order is subject to your ability to obtain such Equipment from the manufacturer and you shall be under no liability if delivery of the Equipment is delayed or prevented due to labor disturbances, transportation difficulties, or for any reason beyond your control. The price shown below is subject to your receipt of the Equipment prior to any change in price by the manufacturer. It is also subject to any new or increased taxes imposed upon the sale of the Equipment after the date of this order.

QTY	DESCRIPTION	TOTAL PRICE
1	One New Kubota RTV-X900WL-H Utility Vehicle	$19,392.00
	S/N: A5KB2FDBKPG079068	
	K7591-99610 Turn Signal Kit/H20's	
	77700-VC5011 Plastic Canopy (Black)	
	Less Gov Discount	$829.92

Trade-In Make: Ø
Trade-In Model:
Trade-In Serial No:

Comments:
EMAILED
from JW 5/12 with 13214

Sub Total:	$18,562.08
Trade Allowance:	Ø
Sub Total:	
Misc.:	
Sales Tax	
Net Total:	
Deposit:	
Balance Due:	$18,562.08

By: (X) Date Accepted (X)

By: Capital City Equipment Co.

NOTICE: SEE OTHER SIDE FOR IMPORTANT INFORMATION
BUYER AGREES TO ALL TERMS AND CONDITIONS OF SALE SET FORTH ON THIS PAGE AND ON THE OTHER SIDE.
RETAIL PURCHASE ORDER

Source well #031121-KBA

001-470-6727

CAPITAL CITY KUBOTA

Quote Page 1 of
Quote Number: 463200
Effective Date: 01/13/2023
Valid Through: 01/31/2023

Ship To	Kubota Dealer		Bill To
City of Grimes Alex Miller IA : (515) 531-4051	CAPITAL CITY KUBOTA 5611 NW 2ND STREET DES MOINES, IA 50313	Jake Handlos Phone: 5152014326 Email: jakeh@cceciowa.com	City of Grimes Alex Miller IA : (515) 531-4051

RTV-X900WL-H - RTV-X900 - WORKSITE UTILITY VEHICLE W/ WORKSITE TIRES & SPRAY-ON BED LINER

Description	Manufacturer	Model #	Qty	Price Each	Total
RTV-X900 - WORKSITE UTILITY VEHICLE W/ WORKSITE TIRES & SPRAY-ON BED LINER	**Kubota**	**RTV-X900WL-H**	**1**	**$18,499.00**	**$18,499.00**
TURN SIG/HAZARD LGT KIT/X900,X1120D	Kubota	K7591-99610	1	$380.00	$380.00
CANOPY - PLASTIC (BLACK)	Kubota	77700-VC5011	1	$513.00	$513.00

Cash Details

Equipment Total	$19,392.00
Additional Charges	$0.00
Cash Incentives	($829.92)
Cash Sale Price	**$18,562.08**

Kubota Disclaimer
Sales quote can only be provided by a participating Kubota dealer. Only Kubota and Kubota performance-matched Allied equipment are eligible. Inclusion of ineligible equipment may result in a higher blended APR. Stand Alone Kubota or Allied implements and attachments/accessories are subject to stand alone programs. Financing is available through Kubota Credit Corporation, U.S.A.; subject to credit approval. Program eligibility requirements are subject to change without notice and may be withdrawn without notice. Some exceptions apply. See dealer or go to KubotaUSA.com for more information.

Kubota

V Series **RTV-X900WL-H**

* * * EQUIPMENT IN STANDARD MACHINE * * *

DIESEL ENGINE
Model Kubota D902
3 Cyl. 54.8 cu in
+21.6 Gross Eng HP
60 Amp Alternator

TRANSMISSION
VHT-X
Variable Hydro Transmission
Forward Speeds:
Low 0 - 15 mph
High 0 - 25 mph
Reverse 0 - 17 mph
Limited-slip Front Differential
Rear differential lock

HYDRAULICS
Hydrostatic Power Steering
with manual tilt-feature
Hydraulic Cargo Dump
Hydraulic Oil Cooler

FLUID CAPACITY
Fuel Tank 7.9 gal
Cooling 6.4 qts
Engine Oil 3.3 qts
Transmission Oil 1.8 gal
Brake Fluid 0.4 qts

CARGO BOX
Width 57.7in
Length 40.5 in
Depth 11.2 in
Load Capacity 1102 lbs
Vol. Capacity 15.2 cu ft

+ Manufacturer Estimate

KEY FEATURES
Digital Multi-meter
Front Independent Adjustable Suspension
Rear Independent Adjustable Suspension
Brakes - Front/Rear Wet Disc
Rear Brake Lights / Front Headlights
2" Hitch Receiver, Front and Rear
Deluxe 60/40 split bench seats
with driver's side seat adjustment
Underseat Storage Compartments
Lockable Glove Box
Front Guard (radiator guard and bumper)

SAFETY EQUIPMENT
SAE J2194 & OSHA 1928 ROPS
Dash-mounted Parking Brake
Horn
Spark Arrestor Muffler
Retractable 2-point Seat Belts
Rear Protective Sreen

DIMENSIONS
Width 63.2 in
Height 79.5 in
Length 120.3 in
Wheelbase 80.5 in
Tow Capacity 1300 lbs
Ground Clearance 10.4 in
Suspension Travel 8 in
Turning Radius 13.1 ft

Factory Spray-on Bedliner
"L" Models Only

Bright Alloy Wheels (Silver-painted)
"S" Models Only

✓ C-0

REC'D JUN 08 2023

INVOICE

USW
UTILITY GROUP
4939 CROSS BAYOU BOULEVARD
NEW PORT RICHEY, FL 34652

PAID

Invoice Number: SI73742
Invoice Date: 5/31/2023
Due Date 6/30/2023

All pricing anticipates payment by check or ACH. Due to additional cost incurred, services paid by credit card will require an additional 5% processing fee.

Bill To: City of Grimes
101 NE Harvey Street
Grimes, FL 50111

610. 810.6499
610. 815.6499

Customer ID C00136
P.O. Number
WA:

Job Number: J01229
Job Description: City of Grimes

Date	Item/Description	Task Number	Qty.	Unit	Unit Price	Total Price
5/31/2023	Monthly Compensation as per the O&M Agreement Monthly Contract Operations for May 2023	0052	1	Each	76,450.63	76,450.63

Subtotal:	**76,450.63**
Invoice Discount:	0.00
Total Sales Tax:	0.00
Total USD:	**76,450.63**

Phone: (727) 848-8292 Ext. 219
Toll Free: (866) 753-8292 Ext. 219
Email: ar@uswatercorp.net

✓ C-O

POLK COUNTY

POLK COUNTY

INVOICE

Date: 6/7/2023
Invoice Date: 6/1/2023
Invoice No: 11193

CITY OF GRIMES
ATTN: CITY CLERK
101 N. HARVEY STREET
GRIMES IA 50111

Remit To:

POLK COUNTY AUDITOR'S OFFICE
CENTRAL ACCOUNTING DIVISION:RM 315
ADMINISTRATIVE OFFICE BUILDING
111 COURT AVENUE
DES MOINES, IA 50309

Account: 32857

661.110.6413

Contact: NICOLE MARTINSON
(515) 286-3818
Nicole.Martinson@polkcountyiowa.gov

Item	Due Date	Description	Amount
001	7/7/2023	GRIMES LE CONTRACT 5/23	115,821.83

PAID

Total Due **115,821.83**

Make checks payable to: **POLK COUNTY TREASURER**

Thank you for your prompt payment.

9:40 am, Jun 08, 2023

Curtis Pion
Business Manager, PCSO

384-815-6399

Synergy Fire & Safety
4338 Hubbell Ave
Des Moines, IA 50317
515-381-0102
ssutton@synergyfire.net

Invoice 20360

202 33960

PAID

BILL TO	SHIP TO	DATE	PLEASE PAY	DUE DATE
City of Grimes City of Grimes 101 NE Harvey Street Grimes, Iowa 50111	US Water Services Corporation 1801 N James Street Grimes, Iowa 50111	05/12/2023	$12,553.13	06/11/2023

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
05/08/2023	NHMC-Non-Haz	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/08/2023	NHMC-Non-Haz	147,040 Pounds Collected	147,040	0.0073	1,073.39
05/09/2023	NHMC-Non-Haz	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/09/2023	NHMC-Non-Haz	150,080 Pounds Collected	150,080	0.0073	1,095.58
05/10/2023	NHMC-Non-Haz	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/10/2023	NHMC-Non-Haz	146,620 Pounds Collected	146,620	0.0073	1,070.33
05/11/2023	NHMC-Non-Haz	Non-Hazard Material Collection-4 Load(s)	4	425.00	1,700.00
05/11/2023	NHMC-Non-Haz	198,060 Pounds Collected	198,060	0.0073	1,445.84
05/12/2023	NHMC-Non-Haz	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/12/2023	NHMC-Non-Haz	146,300 Pounds Collected	146,300	0.0073	1,067.99

TOTAL DUE $12,553.13

THANK YOU.

384-815-6399

Synergy Fire & Safety
4338 Hubbell Ave
Des Moines, IA 50317
515-381-0102
ssutton@synergyfire.net

Invoice 20439

20233961

PAID ✓ C-O

BILL TO
City of Grimes
City of Grimes
101 NE Harvey Street
Grimes, Iowa 50111

SHIP TO
US Water Services Corporation
1801 N James Street
Grimes, Iowa 50111

DATE	PLEASE PAY	DUE DATE
05/19/2023	**$12,513.71**	06/18/2023

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
05/15/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-4 Load(s)	4	425.00	1,700.00
05/15/2023	**NHMC-Non-Haz**	187,980 Pounds Collected	187,980	0.0073	1,372.25
05/16/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/16/2023	**NHMC-Non-Haz**	142,000 Pounds Collected	151,700	0.0073	1,107.41
05/17/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/17/2023	**NHMC-Non-Haz**	146,960 Pounds Collected	146,960	0.0073	1,072.81
05/18/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-4 Load(s)	4	425.00	1,700.00
05/18/2023	**NHMC-Non-Haz**	195,500 Pounds Collected	195,500	0.0073	1,427.15
05/19/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-2 Load(s)	2	425.00	850.00
05/19/2023	**NHMC-Non-Haz**	100,560 Pounds Collected	100,560	0.0073	734.09

TOTAL DUE $12,513.71

THANK YOU.

384-815-6399

Synergy Fire & Safety
4338 Hubbell Ave
Des Moines, IA 50317
515-381-0102
ssutton@synergyfire.net

Invoice 20497

PAID

20233962 LC-0

BILL TO
City of Grimes
City of Grimes
101 NE Harvey Street
Grimes, Iowa 50111

SHIP TO
US Water Services Corporation
1801 N James Street
Grimes, Iowa 50111

DATE	PLEASE PAY	DUE DATE
05/27/2023	**$12,500.71**	06/26/2023

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
05/22/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-2 Load(s)	2	425.00	850.00
05/22/2023	**NHMC-Non-Haz**	Pounds Collected	98,880	0.0073	721.82
05/23/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-3 Load(s)	3	425.00	1,275.00
05/23/2023	**NHMC-Non-Haz**	Pounds Collected	143,040	0.0073	1,044.19
05/24/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-4 Load(s)	4	425.00	1,700.00
05/24/2023	**NHMC-Non-Haz**	Pounds Collected	197,020	0.0073	1,438.25
05/25/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-5 Load(s)	5	425.00	2,125.00
05/25/2023	**NHMC-Non-Haz**	Pounds Collected	244,980	0.0073	1,788.35
05/26/2023	**NHMC-Non-Haz**	Non-Hazard Material Collection-2 Load(s)	2	425.00	850.00
05/26/2023	**NHMC-Non-Haz**	Pounds Collected	97,000	0.0073	708.10

TOTAL DUE $12,500.71

THANK YOU.

✓ C-O 384-815-6899

Synergy Fire & Safety
4338 Hubbell Ave
Des Moines, IA 50317
515-381-0102
ssutton@synergyfire.net

Invoice 19909

20233959

PAID

SYNERGY FIRE & SAFETY

BILL TO	SHIP TO	DATE	PLEASE PAY	DUE DATE
City of Grimes City of Grimes 101 NE Harvey Street Grimes, Iowa 50111	US Water Services Corporation 1801 N James Street Grimes, Iowa 50111	04/01/2023	$24,806.61	05/01/2023

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
03/27/2023	NHMC-Non-Haz	Non-Hazard Material Collection-5 Load(s)	4	425.00	1,700.00
03/27/2023	NHMC-Non-Haz	246,940 Pounds Collected	246,940	0.0073	1,802.66
03/28/2023	NHMC-Non-Haz	Non-Hazard Material Collection-6 Load(s)	6	425.00	2,550.00
03/28/2023	NHMC-Non-Haz	272,980 Pounds Collected	272,980	0.0073	1,992.75
03/29/2023	NHMC-Non-Haz	Non-Hazard Material Collection-4 Load(s)	4	425.00	1,700.00
03/29/2023	NHMC-Non-Haz	175,760 Pounds Collected	175,760	0.0073	1,283.05
03/30/2023	NHMC-Non-Haz	Non-Hazard Material Collection-5 Load(s)	5	425.00	2,125.00
03/30/2023	NHMC-Non-Haz	234,000 Pounds Collected	234,000	0.0073	1,708.20
04/01/2023	NHMC-Non-Haz	Non-Hazard Material Collection-6 Load(s)	6	475.00	2,850.00
04/01/2023	NHMC-Non-Haz	283,580 Pounds Collected	283,580	0.0073	2,070.13
04/02/2023	NHMC-Non-Haz	Non-Hazard Material Collection-6 Load(s)	6	475.00	2,850.00
04/02/2023	NHMC-Non-Haz	297,920 Pounds Collected	297,920	0.0073	2,174.82

TOTAL DUE $24,806.61

THANK YOU.

C-O

600-81046501
antiscalant & ammonia

Original

INVOICE

Hawkins, Inc.
2381 Rosegate
Roseville, MN 55113
Phone: (612) 331-6910

Total Invoice	**$10,971.67**
Invoice Number	6502161
Invoice Date	6/16/23
Sales Order Number/Type	4277329 SL
Branch Plant	58
Shipment Number	5050616

262 34146

Sold To: 117729
ACCOUNTS PAYABLE
CITY OF GRIMES
101 N Harvey St
Grimes IA 50111

Ship To: 135451
CITY OF GRIMES
Water Treatment Plant
7850 NW 128th St
Grimes IA 50111

Net Due Date	Terms	FOB Description	Ship Via	Customer P.O.#	P.O. Release	Sales Agent #
7/31/23	Net 45	PPD Origin	HWTG			073

Line #	Item Number	Item Name/ Description	Tax	Qty Shipped	Trans UOM	Unit Price	Price UOM	Weight Net/Gross	Extended Price
1.000	33384	Aqua Hawk® 347	N	330.0000	GA	$0.4800	LB	3,326.4 LB	$1,596.67
		1 LB BLK (Mini-Bulk)		3326.4000	LB			3,326.4 GW	
2.000	59271	Vitec 3000	N	1.0000	TO	$3.7500	LB	2,500.0 LB	$9,375.00
		2500 LB TO		2500.0000	LB			2,675.0 GW	

Lot/SN: 124699

********** Receive Your Invoice Via Email **********

Please contact our Accounts Receivable Department via email at Credit.Dept@HawkinsInc.com
or call 612-331-6910 to get it setup on your account.

mmm

Tax Rate	Sales Tax	Invoice Total
0 %	$0.00	**$10,971.67**

No Discounts on Freight

IMPORTANT: All products are sold without warranty of any kind and purchasers will, by their own tests, determine suitability of such products for their own use. Seller warrants that all goods covered by this invoice were produced in compliance with the requirements of the Fair Labor Standards Act of 1938, as amended. Seller specifically disclaims and excludes any warranty of merchantability and any warranty of fitness for a particular purpose.
NO CLAIMS FOR LOSS, DAMAGE OR LEAKAGE ALLOWED AFTER DELIVERY IS MADE IN GOOD CONDITION.

CHECK REMITTANCE:
Hawkins, Inc.
P.O. Box 860263
Minneapolis, MN 55486-0263

WIRING CONTACT INFORMATION:
Email: Credit.Dept@Hawkinsinc.com

Phone Number: (612) 617-8581
Fax Number: (612) 225-6702

FINANCIAL INSTITUTION:
US Bank
800 Nicollet Mall
Minneapolis, MN 55402

Account Name: Hawkins, Inc.
Account #: 180120759469
ABA/Routing #: 091000022
Swift Code#: USBKUS44IMT
Type of Account: Corporate Checking

ACH PAYMENTS:
CTX (Corporate Trade Exchange) is our preferred method. Please remember to include in the addendum the document numbers pertaining to the payment.
For other than CTX, the remit to information may be emailed to Credit.Dept@Hawkinsinc.com

CASH IN ADVANCE/EFT PAYMENTS:
Please list the Hawkins, Inc. sales order number or your purchase order number if the invoice has not been processed yet.

This contractor and subcontractor shall abide by the requirements of 41 CFR §§60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

www.hawkinsinc.com

Job# 3429674

20233987 BKB

c-m

367.4710.6490 -c-o

SVPA ARCHITECTS

www.svpa-architects.com
Phone 515.327.5990

1466 28th Street, Suite 200
West Des Moines, Iowa 50266

Alex Pfaltzgraff
City of Grimes
410 SE Main Street
Suite 102
Grimes, IA 50111

June 2, 2023
Project No: 22038.00
Invoice No: 0038646

Please see the second page for the total due. Thank you

Project 22038.00 GrimesPlex - Grimes, IA
Alex Pfaltzgraff: apfaltzgraff@grimesiowa.gov
Brian Becker: bbecker@grimesiowa.gov
accountspayable@grimesiowa.gov

Professional Services from May 1, 2023 to May 28, 2023

Phase 03 Schematic Design

Fee

Billing Phase	Fee	Percent Complete	Earned
Schematic Design	33,750.00	100.00	33,750.00
Design Development	33,750.00	100.00	33,750.00
Construction Documents	101,250.00	100.00	101,250.00
Bidding/Negotiation	11,250.00	100.00	11,250.00
Construction Administration	45,000.00	0.00	0.00
Total Fee	225,000.00		180,000.00
		Previous Fee Billing	168,750.00
		Current Fee Billing	11,250.00

Total Fee		**11,250.00**
Total this Phase		**$11,250.00**

Phase 06 Bidding/Negotiation

Reimbursable Expenses

Mileage & Parking	58.30	
Total Reimbursables	**58.30**	**58.30**

Unit Billing

Postage	**3.66**
Total this Phase	**$61.96**

from JW

11311.96

Project	22038.00	GrimesPlex - Grimes, IA	Invoice	0038646

Total this Invoice **$11,311.96**

Billings to Date

	Current	Prior	Total
Fee	11,250.00	168,750.00	180,000.00
Expense	58.30	0.00	58.30
Unit	3.66	13.10	16.76
Totals	**11,311.96**	**168,763.10**	**180,075.06**

Authorized By: _____

Thad Long

SOCCER MASTER / ARCH TEAM SPOI
3233 100TH STREET

URBANDALE IA 50322
Phone: 515-270-8141
Fax:

INVOICE

Invoice Date 06/12/2023
Invoice # 0141038725-0
Ref#
Store 14
Page 1

GM -C-O

tbrtos address verified 6/19/23

202.33504

Customer

ALEX MILLER
CITY OF GRIMES
410 SE MAIN ST.

GRIMES IA 50111
515-531-4051
AMILLER@GRIMESIOWA.GOV

367.470.6504

Ship to

UPS GROUND
ALEX MILLER
CITY OF GRIMES
1700 SE DESTINATION DR.

GRIMES IA 50111
515-531-4051
AMILLER@GRIMESIOWA.GOV

PAID

GOALS ACCESS. ORDERED BY ALEX MILLER

Customer #	Salesperson	Terms	PO #
783370	TSUI FREDDY		20233504

:WIK GOAL 10B1605 SADDLE ANCHORBAG N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	100	100	0	32.50	3,250.00
	100	**100**	**0**	**32.50**	**3,250.00**

:WIK GOAL 10B410 WHEEL OPTION SET EURO CLUB N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	44	44	0	499.00	21,956.00
	44	**44**	**0**	**499.00**	**21,956.00**

:WIK GOAL 2B3004 CLUB EUROPEAN GOAL 6.5 X 18.5 N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	24	24	0	1,699.00	40,776.00
	24	**24**	**0**	**1,699.00**	**40,776.00**

:WIK GOAL 2B3006 EURO CLUB GOAL 8X24 (EACH) N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	20	20	0	1,939.00	38,780.00
	20	**20**	**0**	**1,939.00**	**38,780.00**

:WIK GOAL 2B9006 PRO PREMIER PORTABLE COMP. N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	4	4	0	4,799.00	19,196.00
	4	**4**	**0**	**4,799.00**	**19,196.00**

:WIK GOAL 3B1824 PREMIER HEX NET 8X24X6X6 WHITE/ROYAL

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	4	4	0	240.00	960.00
	4	**4**	**0**	**240.00**	**960.00**

:WIK GOAL 6B1404 PREMIER CORNER FLAGS (W/ N/A

Size	Order Qty	Shipped	Backorder	Price	Total
N/A	12	12	0	190.00	2,280.00
	12	**12**	**0**	**190.00**	**2,280.00**

Sub Total:	127,198.00
UPS GROUND	2,820.00
Tax1:	0.00
Tax2:	0.00
Total:	130,018.00

SOCCER MASTER / ARCH TEAM SPOI
3233 100TH STREET

URBANDALE IA 50322
Phone: 515-270-8141
Fax:

INVOICE

Invoice Date 06/12/2023
Invoice # 0141038725-0
Ref#
Store 14
Page 2

Please Remit Balance 130,018.00

REMITTANCE: Please make checks payable to and remit payments to: Soccer Master 14188 Manchester Road Manchester, MO 63011

PAYMENTS: Soccer Master accepts Mastercard, Visa, Discover, American Express, and school approved purchase orders. In addition, we welcome league, club, and team checks secured with a credit card. A deposit will be required at the time an order is placed. Returned checks will be subject to a $35.00 bank charge. Beginning March 1, 2018, a finance charge of 1.5% per month (minimum $25.00 per month) will be accessed on unpaid balances beyond established terms.

RETURNS & EXCHANGES are subject to a 15% service charge. All printed or embroidered sales are final unless such merchandise is defective.

CUSTOMER SERVICE: We are committed to having the best customer service department. If you have any questions or comments on an order or other business, please call us at 1-800-926-9287 and press 2 for TEAM SALES. Thank you for your business!!

P.O. No. _____

VC-0

32995

CITY OF GRIMES

101 N. Harvey, Grimes, IA 50111 phone: 515-986-3036 fax: 515-986-3846

PURCHASE REQUEST/PURCHASE ORDER

Source/Supplier Reliant Fire Apparatus
Name

Address

Phone Number/Fax Number

ITEMS	QTY	UNIT PRICE	TOTAL
Repair 2016 Rescue - Idle Rack, Ball joints, HVAC, Brakes			$17,290.40

PURCHASE JUSTIFICATION: _____

DEPARTMENT: Fire

LINE ITEM: 001-150-6332

BEGINNING BUDGET BALANCE: _____

ENDING BUDGET BALANCE: _____

PURCHASE REQUESTED BY: R Myers DATE: 6-15-23

PURCHASE ORDER APPROVAL AND ASSIGNMENT

John Anderson CT
City Administrator

6/15/23
Date

Council Approval date: (if over $10,000)

☐ Purchaser's Copy ☐ Vendor's Copy ☐ File Copy

REC'D MAY 15 2023

Repair Order Invoice

Reliant Fire Apparatus

880 Enterprise Drive
PO BOX 470
Slinger, WI 53086
Tel: 262-297-5020
Fax: 262-297-5022
bryank@reliantfire.com

Invoice To:

GRIMES FIRE DEPARTMENT
101 NE HARVEY ST.
GRIMES IA 50111

Date	Invoice	A/C	Customer PO	Payment Term	Page
May 12, 2023	5WI000229	GRIMES		NET 30	1 /4

RO 5WO000236 **Owner** GRIMES FIRE DEPARTMENT **Repair Loc.** IOWA SERVICE CENTER **WO Date** Apr 14, 2023

Unit 28804 **VIN** 4P1BAAGF8GA015931 **License** **Last Cert.** ()

Pumper, Heavy Duty Rescue, Aluminum

Make **Model** **Year** **Engine**

ODOMETER 88534 MI

Activity Description / Part Number	Part Description	Quantity	Charge	Total
1. Ladder Rack		4.25 HR	178.0000	756.50
Complaint	*Customer states that the ladder rack is inoperable, the motor has power but will not move the ladder.*			
Cause:	*Actuator is bad*			
Correctio	*Actuator was not functioning correctly causing the ladder switch not to engage to lower the unit. This actuator worked and was not replaced during the ladder rebuild back in late fall of last year.*			
3097-500-185	1" Actuator	1.00 EA	331.8420	331.84
3097-500-187	Upper Spring Housing	1.00 EA	7.0140	7.01
3097-500-189	Lower Spring Housing	1.00 EA	31.2340	31.23
3097-500-191	Spring	1.00 EA	7.3640	7.36
			Activity Sub-total:	1,133.94
2. Diagnose Check Engine Light		0.50 HR	178.0000	89.00
Complaint	*Customer states that they have a check engine light on and at times the engine is hard starting.*			
Cause:	*Codes*			
Correctio	*Coolant level code*			
			Activity Sub-total:	89.00
3. Alternator		0.25 HR	178.0000	44.50
Complaint	*Customer states that they intermittently see the voltage on the dash gauge drop out.*			
Cause:	*Alternator*			
Correctio	*Verified that the alternator puts out 14.1 volts, connections on alternator and batteries were good. No bearing or pully noise.*			
			Activity Sub-total:	44.50
4. Steering Issue		0.00 HR	178.0000	0.00
Complaint	*Customer states that the steering feels loose, excessive steering wheel play noted.*			
Cause:	*Ball joints*			

Repair Order
Invoice

Reliant Fire Apparatus

880 Enterprise Drive
PO BOX 470
Slinger, WI 53086
Tel: 262-297-5020
Fax: 262-297-5022
bryank@reliantfire.com

Invoice To:

GRIMES FIRE DEPARTMENT
101 NE HARVEY ST.
GRIMES IA 50111

Date	Invoice	A/C	Customer PO	Payment Term	Page
May 12, 2023	5WI000229	GRIMES		NET 30	2 /4

Activity Description / Part Number	Part Description	Quantity	Charge	Total
Correctio	*Customer complaint of excessive steering play. When looking at other suspension issues it was found that both upper ball joints were bad causing play in steering.*			
			Activity Sub-total:	0.00
5. Diagnose Suspension Issue		27.50 HR	178.0000	4,895.00
Complaint	*Customer states that they have a "popping sound" coming from the right front while turning left hard.*			
Cause:	*Ball joints*			
Correctio	*Found that both upper ball joints were bad. Replaced upper ball joints, brake pads, rotors, seals, wheel hub covers. Burnished the brakes and test drove unit with no issues or noises.*			
2742031	SEALED BALL JOINT KIT	2.00 EA	650.8180	1,301.64
2488241	NUT, CASTLE, MACHINED	2.00 EA	19.4300	38.86
			Activity Sub-total:	6,235.50
6. Diagnose hard starting		0.25 HR	178.0000	44.50
Complaint	*Customer states that the truck starts hard at times and runs rough for 10-15 seconds afterwards. They are experiencing hesitation when leaving stops at times as well.*			
Cause:	.			
Correctio	*Unit would not duplicate problem in the shop. We tried starting unit cold and hot multiple times with no issues. Hooked laptop to unit with no codes. Cylinder test was preformed with no issues found.*			
			Activity Sub-total:	44.50
7. HVAC Fan		16.75 HR	178.0000	2,981.50
Complaint	*Customer states that the blower motor doesn't operate as it should. A/C not blowing cold*			
Cause:	*Load Shed. Bad lines and compressor.*			
Correctio	*Blower motor working as should. Believe that the unit had battery issues and HVAC is the first thing the unit load sheds to conserve power. We replaced the high side line due to it leaking from the compressor to the bulkhead on drivers side. We also found the compressor was faulty and not engaging. We replaced parts and filled with 5.25lbs of freon and verified proper operation.*			
2530791	HOSE ASSY,COMPRESSOR DISCHARGE	1.00 EA	162.0230	162.02
1857257	AC,RECEIVER DRYER,RED DOT	1.00 EA	73.3555	73.36
2711576	MUFFLER,DISCHARGE,A/C	1.00 EA	216.8620	216.86

Repair Order Invoice

Reliant Fire Apparatus

880 Enterprise Drive
PO BOX 470
Slinger, WI 53086
Tel: 262-297-5020
Fax: 262-297-5022
bryank@reliantfire.com

Invoice To:

GRIMES FIRE DEPARTMENT
101 NE HARVEY ST.
GRIMES IA 50111

Date	Invoice	A/C	Customer PO	Payment Term	Page
May 12, 2023	5WI000229	GRIMES		NET 30	3 /4

Activity Description / Part Number	Part Description	Quantity	Charge	Total
2353596-0003	SPLICER,WITH SERVICE PORT	1.00 EA	49.3145	49.31
2344911-0003	CLAMP,HOSE	10.00 EA	2.9392	29.39
2344911-0005	CLAMP,HOSE	10.00 EA	3.8860	38.86
2344917-0003	CAGE,HOSE	5.00 EA	5.8377	29.19
3545970	COMPRESSOR,AC,R134A QP31	1.00 EA	1,521.36	1,521.37
82-0418-0002	WASHER,FLAT,NYLON,MOLDED BLACK	5.00 EA	0.1015	0.51
82-0429-0100	SCREW,.25-20,PH PAN HD,BLKZN	1.00 EA	0.2900	0.29
82-2096-0063	SCREW,#10-24NC,PH,TRUSS HD,SS	7.00 EA	5.5680	38.98
1871787-0075	SCREW,#10-24,PH,PAN HD,M/S	9.00 EA	0.6960	6.26
			Activity Sub-total:	5,147.90
8. Paint (NOT COMPLETE)		0.00 HR	178.0000	0.00
Complaint	*Customer states that there is paint bubbling and corrosion on the rear panel of the truck.*			
Cause:	.			
Correctio	.			
			Activity Sub-total:	0.00
9. Coolant Leak		1.50 HR	178.0000	267.00
Complaint	*Coolant all over engine bay.*			
Cause:	*Coolant leaks.*			
Correctio	*Found mulliple coolant leaks. Tightened all hose clamps and pressure tested unit again with no leaks.*			
			Activity Sub-total:	267.00
10 Disc Brakes		8.00 HR	178.0000	1,424.00
Complaint	*Found wore out brakes*			
Cause:	*Woe out brakes*			
Correctio	*Found that the pads were below 50% life and that the rotors were wore down at least 1/4" on either side. Replaced brake pads and rotors. Burnished brakes and test drove unit.*			

Repair Order Invoice

Reliant Fire Apparatus

880 Enterprise Drive
PO BOX 470
Slinger, WI 53086
Tel: 262-297-5020
Fax: 262-297-5022
bryank@reliantfire.com

Invoice To:

GRIMES FIRE DEPARTMENT
101 NE HARVEY ST.
GRIMES IA 50111

Date	Invoice	A/C	Customer PO	Payment Term	Page
May 12, 2023	5WI000229	GRIMES		NET 30	4 /4

Activity Description / Part Number	Part Description	Quantity	Charge	Total
BXK218038	BRAKE PAD KIT	1.00 EA	279.9860	279.99
1237720	ROTOR, 22.5"	2.00 EA	652.8190	1,305.64
383-0164 IA	Oil Seal, Voyager, Steer Axle	2.00 EA	80.7660	161.53
300-4009	HUB CAP, STEER AXLE	2.00 EA	20.5660	41.13
			Activity Sub-total:	3,212.29
11 Door Handle		0.25 HR	178.0000	44.50
Complaint	*Driver rear crew cab door handle sticks and does not retract fully.*			
Cause:	*Handle*			
Correctio	*Replaced handle and verified proper operation.*			
2585507	HANDLE,CAB DR,LH,OS	1.00 EA	262.1745	262.17
			Activity Sub-total:	306.67

Technician GARRET-Garret
TRENT-Trent
PEYTON-Peyton

Authorized

Total Labor:	10,546.50
Total Parts:	5,934.80
Shop Supplies:	200.00
Expedite:	120.00
Shipping:	489.10
SubTotal:	17,290.40
INVOICE TOTAL:	17,290.40

A surcharge of 4.00% of the transaction amount on Visa and Mastercard purchases, which is not greater than our cost of acceptance, will be charged. We do not surcharge Visa and Mastercard debit cards

Part Returns: Returns will be accepted within fourteen (14) days of the original invoice date and subject to a 10% restocking fee for non-fabricated or special order parts. Fabricated or special order parts sales are final and non-returnable. Restocking fee will be 10% of the invoice amount for the item being returned. Shipping/handling/freight/surcharges incurred will be the responsibility of the Purchaser and not refunded from the original invoice.

Signature:_____

V C-D

RESOLUTION NO. 06-1323

RESOLUTION APPROVING FARM TENANT CROP LOSS AGREEMENT AND PARTIAL TERMINATION OF LEASE

WHEREAS, the City of Grimes has developed and approved plans to construct the WRA Sewer Connector Improvements (the "Project"); and

WHEREAS, the City of Grimes has approved a Real Estate Purchase Agreement (the "Offer"), to the property owner (the "Owner") to purchase certain easements (the "Easements"); and

WHEREAS, the Offer included provisions to reimburse any tenant farmer (the "Tenant") for the loss of crops within the acquired easements.

WHEREAS, a Farm Tenant Crop Loss Agreement (the "Agreement") has been prepared and the Tenant has reviewed and executed the Agreement.

NOW, THEREFORE, be it resolved by the City Council of the City of Grimes, Iowa:

That, the Farm Tenant Crop Loss Agreement is approved by the Grimes City Council, and the Mayor is authorized to execute, on behalf of the City of Grimes, such documents as are necessary and appropriate to effectuate the terms pursuant to the Agreement.

PASSED AND APPROVED this 6th day of June 2023.

Scott Mikkelsen (Jun 7, 2023 17:21 CDT)

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams

Rochelle Williams, City Clerk

FARM TENANT CROP LOSS AGREEMENT

This FARM TENANT CROP LOSS AGREEMENT (this "Agreement") is made by and between the City of Grimes, Iowa, a municipal corporation (the "City"), and Mike Christensen (the "Tenant")

RECITALS

A. In connection with the construction of public sanitary sewer improvements, the City acquired certain easement interest(s) in the real estate located in Dallas County more particularly depicted and described on the Acquisition Plat attached hereto as ***Exhibit A*** (the "Property"); and

B. The City has executed a purchase agreement with the owner of said Property, in which Tenant has been identified as the farm tenant for the 2022 crop year pursuant to an oral farm tenancy agreement; and

NOW THEREFORE, in consideration of the Property and the mutual covenants and promises contained in this Agreement, the parties hereby agree as follows:

1. CROP DAMAGE PAYMENT. The City hereby agrees to pay $16,500.00 to Tenant as compensation for damages to the growing crops located on the Property, for the 2022 crop year. The parties acknowledge and agree that the Crop Damage Payment contemplated in this Agreement fairly and reasonably calculates the amount of anticipated damages to Tenant as a result of the construction of the improvements.

2. INDEMNIFICATION. Tenant hereby releases and agrees to indemnify the City, its employees, agents, and contractors from all liability for disputes, claims, damages or causes of action related to or arising from the Lease, including the performance or non-performance of any of Tenant's obligations pursuant to its terms. Tenant will protect and defend the City, its employees, agents and contractors against all claims by the Property Owner, tenant suppliers and any other persons rendering services to the Tenant with respect to the above described property.

3. RENEGOTIATION. Pursuant to Iowa Code Section 6B.52, the City hereby gives notice to Tenant that Tenant has a right to renegotiate construction or maintenance damages which are not apparent as of the date of this Agreement.

4. APPROVAL BY CITY COUNCIL. This Agreement shall not be binding until it has received the final approval and acceptance by the City Council by Resolution which approval and acceptance shall be noted on this Easement by the City Clerk.

Words and phrases herein including acknowledgment hereof shall be construed as in the singular or plural number, and as masculine or feminine gender, according to the context.

Signed this 16 day of May, 2023.

TENANT

STATE OF Iowa)
) SS.
COUNTY OF Dallas)

On this 16th day of May, 2023, before me, the undersigned, personally appeared Mike Christensen, known to me to be the identical persons named in and who executed the foregoing instrument and acknowledged that they executed the same as their voluntary act and deed.

NOTARIAL SEAL IOWA
RACHEL B GREVING
Commission Number 816624
My Commission Expires
Apr. 26, 2025

Rachel Greving
Signature of Notary Public

ACCEPTANCE BY CITY

STATE OF IOWA)
) SS
COUNTY OF POLK)

I, Rochelle Williams, City Clerk of the City of Grimes, Iowa, do hereby certify that the within and foregoing Easement Agreement was duly approved and accepted by the City Council of said City of Grimes by Resolution No. 06-1323 passed on the 6 day of June, 2023, and this certificate is made pursuant to authority contained in said Resolution.

Signed this 7 day of June, 2023

Rochelle Williams
City Clerk of Grimes, Iowa

1-O

Invoice

Christensen Development 1, LLC
215 East 3rd Street, Suite 300
Des Moines, IA 50309 US
quickbooks@bergankdv.com

BILL TO
City of Grimes
Attn: Jake Anderson
410 SE Main
Grimes, IA 50111

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
1361	06/01/2023	$10,000.00	07/01/2023	Net 30	

SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
Consulting	May 2023	1	10,000.00	10,000.00

BALANCE DUE **$10,000.00**

Purchase Order

PO Number: **10628**

Grimes Public Library
200 N James St.; Grimes, IA 50111

Date: 6-1-23

Pay To: Christensen Dev.

Invoice: 1361

Total Amount: $ 10,000.00

PAID

Account Number	Account Name	Amount	Description
002-410-6230	Training/ Mtg/Conf		
002-410-6310	Building Maint.		
002-410-6320	Grounds Maint.		
002-410-6371	Electric/Gas		Utilities
002-410-6373	Telephone/ Comm.		Phone/Internet
002-410-6404	Collections		Collection services
002-410-6409	Janitorial		Cleaning
002-410-6419	Technology		
002-410-6502	Material Acquisition		Materials
002-410-6506	Office Expense		
002-410-6510	Safety Equipment		
002-410-6511	Program Supplies		Programming supplies
002-410-6770	Architect		
Special Appropriations			
167-410-6502	Special - Appropriations		
350-410-6490	Lib Bldg - Other Prof.	10,000.00	Consulting

GRIMES RESOLUTION 06-1823

RESOLUTION APPROVING CIGARETTE/TOBACCO, ALTERNATIVE NICOTINE AND VAPOR PERMITS FOR 2023-2024

WHEREAS, establishments withing a city's limits many apply for cigarette/tobacco, alternative nicotine or vapor product permits with the city;

WHEREAS, permits for tobacco, alternative nicotine and vapor are renewed and approved annually by the Grimes City Council and run July 1st through June 30th of each year;

WHEREAS, approved/completed applications which the permit fees have been paid to the City of Grimes are filed with Iowa Alcoholic Beverage Division;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA, that the attached *Exhibit A* be approved for permits and authorizing the city clerk to issue permits.

PASSED AND APPROVED THIS 27th day of June 2023.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

TOBACCO PERMITS

2023/2024

TAB	Name	Site Address	Mail Address	Permit #
1	Fareway Store	351 SE Gateway Dr.	PO Box 70 Boone, IA 50036	1853
2	Casey's # 2520	206 E 1st Street	PO Box 3001 Ankeny IA 50021-8045	1345
3	Casey's # 3507	951 SE Gateway # 3507	PO Box 3001 Ankeny IA 50021-8045	1678
4	Casey's # 3746	1650 NE Beaverbrooke Blvd	PO Box 3001 Ankeny IA 50021-8045	1679
5	Kum & Go # 141	1880 SE Princeton Dr.	1450 Grand Avenue Des Moines IA 50309	1314
6	Kum & Go # 237	801 E. 1st Street	1450 Grand Avenue Des Moines IA 50309	1682
7	Walmart #5748	2150 E. 1st Street	Wal-Mart Stores Inc. Attn: Shawn Woods, 702 SW 8th St. Dept #8916 Bentonville, AR 72716-0500	1671
8	QuikTrip #531	1900 SE 37th St	QT, PO Box 3475 Tulsa, OK 74101-3475	1669
9	Dollar General 7305	421 SE Gateway Drive	100 Mission Ridge Goodlettsville TN 37072	1672
10	Yes Way Store # 1037	1905 Se 37th St	BW Gas & Convenience 138 Conant St. Beverly MA 01915	1673
11	Spirits	109 E. 1st Street	Priya LLC 105 NE 21st Circle, Grimes IA	1674
12	Atomic Cloud	200 SE Gateway DR #109	Atomic Cloud LLC 3823 Douglas Ave. Des Moines IA 50310	1675
13	Central Iowa Vapors	2250 E. 1st Street #200	11338 Aurora Ave #10 Urbandale IA 50322	1676
14	Kwik Star # 1024	1450 NE Gateway Ct.	Kwik Trip Inc. PO Box 2107 La Crosse WI 54602-2107	1683
15	Kwik Star # 1055	2351 E. 1st Street	Kwik Trip Inc. PO Box 2107 La Crosse WI 54602-2107	1684
16	Hy-Vee Fast & Fresh #1	1401 East 1st Street	5820 Westown Pkwy	1677
17	Hy-Vee Grocery	351 NE Gateway Dr.	5820 Westown Pkwy	1688
18	Hy-Vee Fast & Fresh #2	1701 SE 37th Street	5820 Westown Pkwy	1689
19	Grimes Smoke & Vape	250 SE Destination Dr	160 83rd Ave NW Fridley, MN 55432	1971
20	Grimes Liquor Shop	3600 SE Crossroads Dr. #400	2728 E. Porter Ave. DM IA 50320	2008

JOHNSTON-GRIMES METROPOLITAN FIRE DEPARTMENT
6373 MERLE HAY RD.
JOHNSTON, IOWA 50131

May 2023 service calls

344 calls across all districts

Total calls **increased** from April's total (317).

Station 37 (G37) – 92 calls

Station 38 – Grimes district (G38) – 25 Johnston district (J38) – 75

Station 39 – 131 New NW Area (J37) - 2

19 - Mutual Aid Given calls: Saylor – 5, GRA – 4 PC – 2, URB – 2, ALT – 2, ANK - 4
Mutual Aid Received – 18 agency responses

EMS calls – 76.45% Fire/other calls – 23.55%

12 incidents in Category 1 - 4 structure fires, 2 vehicle fires, 3 equipment fire, 3 grass fire
4 incidents in Category 2 – Excessive heat/scorch burns with no ignition
230 incidents in Category 3 – Rescue/EMS
11 incidents in Category 4 - Hazardous Condition which is gas leaks, chemical spills, power lines down.
24 Service Calls in Category 5 – 18 assists, 4 public service requests
26 Good Intent Calls in Category 6
34 False Alarms in Category 7

Major incidents to report in JGMFD districts or involving JGMFD Units
No major incidents to report

Items of interest:
5/2/23 E391 Assisted Urbandale with Fire by performing overhaul
5/24/23 E 391 and C 389 responded to deck fire started by discarded smoking materials
5/24/23 E 391 and C389 Assisted Ankeny with Overhaul at fire in Ankeny
5/29/23 C 389 and T385 were dispatched to Altoona for a residential fire. 385 was cancelled and 389 assisted with accountability.

GRIMES/DALLAS CENTER

JUNE 2023

Living

Unplugging FOR SUMMER FUN

Keeping kids busy and active — without the screen time

Meet Eric Klein
EDUCATION

Chicken Shawarma Sliders
RECIPE

Arbor Day event plants 32 trees
COMMUNITY

PRSRT STD
ECRWSS EDDM
U.S. POSTAGE
PAID
BIG GREEN
UMBRELLA MEDIA

RESIDENTIAL CUSTOMER
BIG GREEN
UMBRELLA MEDIA
8101 Birchwood Ct. Ste. D
Johnston, Iowa 50131

COMMUNITY

By Lindsey Giardino

ARBOR DAY event plants 32 trees

Annual event betters Grimes' green infrastructure.

The Arbor Day tree planting event drew volunteers to help plant 32 trees.

Each year in April, in celebration of Arbor Day, the City of Grimes hosts a tree planting event with advisement from the local Tree Board and support from grant opportunities.

This year's event, in its seventh year, was held on the morning of April 29 when a group of residents — including individual families, Cub Scouts Packs 171 and 172, Grimes Hy-Vee staff members and City of Grimes staff — led by experienced professionals, planted 32 trees along the new bike trail around the detention pond located directly behind Hacienda Viejas.

"Planting takes approximately an hour and includes planting and mulching," explains Lee Goldsmith, a member of the Tree Board.

"Public Works staff dig holes prior to the event, and the Tree Board works hard each year to source good quality trees and supervise plantings. We are always impressed by the care and attention our community takes in planting, so we know it's done well and correctly."

Goldsmith shares that the Arbor Day planting event not only improves community green infrastructure, but also meets the criteria to maintain Grimes' Tree City USA designation.

"Tree Cities have lower utility costs, enhanced property values, cleaner air and water, and cooler community spaces," he says. "Tree Cities may also receive preference for grants or programs to help our green infrastructure."

The trees, supplied by Iowa Outdoor Products, were partially funded by a Trees Forever Grant sponsored by Black Hills Energy and a grant from MidAmerican Energy's Trees Please program.

Over the past seven years, the Arbor Day event has resulted in more than 200 trees being planted in public spaces throughout Grimes.

"We have planted shade for many sport areas and trails," Goldsmith says. "We also advise the city in matters of tree health and city tree ordinances. Overall, this work makes our community safer and healthier."

He adds that each member of the Grimes Tree Board is a volunteer with an interest in improving the green infrastructure of the community and who brings their talents to ensure the board provides good advisement to the City of Grimes.

"Some of us are industry professionals, and others contribute related and additional skills," Goldsmsith says. "Thank you to the excellent City of Grimes staff we work with. We love to see other community members join our efforts, too, and are very happy to educate people and answer questions."

More information about the Tree Board can be found on the City of Grimes website. ■

MIDAMERICAN ENERGY COMPANY
Obsessively, Relentlessly **At Your Service®**

MidAmerican Energy Company
106 East Second Street
Davenport, IA 52801

April 10, 2019

ICFF01240000350101080 30

720 1 MB 0.428
**********MIXED AADC 612
JEANNETTE A VOLZ
15945 MILTON PT
ALPHARETTA GA 30004-8065

Reference: Account 23971-27054
5715 MERLIN LN
COUNCIL BLUFFS IA 51501

Dear Jeannette Volz:

We know you count on us to provide safe and reliable electric service, so periodically we work to prune or remove trees at risk of damaging power lines or causing service interruptions. In the next few weeks, MidAmerican Energy contractor Wright Tree Service will begin tree work in your neighborhood.

Before work begins, you should receive an automated phone call alerting you that crews will be in your area. If you have any questions or concerns about how trees on your property may interact with power lines call us at 888-427-5632.

Our contract crews use industry best practices to prune only those limbs that have electric line clearance and safety issues. Vines and vegetation attached to poles and other electrical equipment also will be removed. Trees in neighborhoods near high voltage lines that serve numerous customers will be pruned to ensure safe and reliable service. We may also prune tree limbs away from the service line that runs from the pole to your electric meter so that the limbs are not putting pressure or redirecting your electric service line. The debris created by this work will be chipped and hauled away.

If there are trees along the right of way you are considering removing that are in close proximity to high voltage lines, you may request to have the trees further assessed by a local MidAmerican district forester. We will consider removing a tree if it is diseased, dying, storm-damaged or has the potential to negatively impact the high voltage lines. There is no charge for these services. We will not remove trees near lower voltage service lines.

If you have underground electric service or do not have trees near MidAmerican's electric lines, you are receiving this letter because your property is connected to the electric system where work will occur. You may notice tree trimming crews parked on your street or working in your neighborhood along the roadside or in backyards. While these crews may not need to perform work on your property, we want you to be aware of personnel working in your area.

(OVER PLEASE)

If you have any questions or concerns about your trees that may be in conflict with overhead power lines, or if you would like to make us aware of specific neighborhood tree issues, please e-mail trees@midamerican.com or call 888-427-5632 to speak with a customer service representative who will direct your message to your local MidAmerican forester.

Sincerely,

MidAmerican Energy Company
Vegetation Management

The Emerald Ash Borer is a small beetle which bores into the bark of an ash tree and feeds on the cambium layer, ultimately leading to the tree's decline. EAB infestations have been confirmed throughout MidAmerican Energy's service territory. If you have ash trees on your property near electrical equipment, reach out to us and we can have a local forester assess your situation. If you have any questions about the EAB in Iowa, please contact the Iowa Department of Agriculture at 515-725-1470 or visit **www.IowaTreePests.com**.

Oak wilt is a fungal disease affecting oak trees. One way the disease is spread is by small sap-feeding beetles. To help prevent the spread of oak wilt, our contract crews do not trim oak trees between March 15 and September 30 when the insects are active. We record these "oak skips" and will return to trim these oak trees October through February. If oak trees must be trimmed for safety or to maintain service, personnel will seal the cuts made in the oak trees with latex paint to stop the flow of sap.

Contact us any time for more information about the Emerald Ash Borer, ash tree removal, oak wilt disease or MidAmerican Energy tree trimming work. Call us at 888-427-5632, email trees@midamerican.com or request tree trimming online at **MidAmericanEnergy.com/tree-trimming**.

WHAT TO KNOW ABOUT **PRUNING SERVICES**

SAFETY AND PROFESSIONALISM

- Minor pruning will be conducted around your service line during routine maintenance.
- We employ arborists certified by the International Society of Arboriculture to manage our tree program.
- Our vegetation management program is based on industry pruning best practices.
- MidAmerican Energy has been recognized as a Tree Line USA utility by the Arbor Day Foundation and the Iowa Department of Natural Resources since 2001.
- When you need to work near a service line on your property, MidAmerican Energy will assist in safe disconnection of service.

REQUIRED PRUNING SERVICES

Pruning trees around power lines eliminates safety hazards to keep you safe, and decrease potential electrical service disruptions.

Pruning is required when branches grow near power lines for a variety of reasons:

- Branches growing close to electrical lines or equipment can break and interrupt service in windy conditions.
- Trees near power lines are dangerous to anyone climbing them.
- Fast growing trees require greater clearance than slow growing trees.
- Any time tree growth threatens the safety or reliability of service.

PRUNING ACCORDING TO BEST PRACTICES

We follow natural pruning best practices. Natural pruning is removing a limb to the point where it grows from the tree – this is called a node.

- Making cuts at the node protects the tree naturally and prevents decay. While the node may seem far from power lines, cutting there allows the tree to heal naturally and block out diseases.
- Limbs not cut at the node pose hazards like decay and watersprouts or suckers. Watersprouts can easily break during storms, posing further risks.

Proper cut is made just outside of the branch collar.

If only one side of your tree has been pruned, don't be concerned about its stability. Trees are balanced and anchored by extensive underground root systems. Removing healthy limbs from the other side of the tree to balance out curb appeal can jeopardize the health of the tree.

DECIDUOUS DIRECTIONAL PRUNING
Branches are left to grow away from wires.

EVERGREEN SIDE PRUNING
Side branches are trimmed to the branch collar of the trunk.

DEBRIS REMOVAL

During scheduled pruning activities MidAmerican Energy crews will cut and remove debris. Stumps will be cut close to the ground and treated. Mulch and wood can be left, upon request.

When you request pruning services, all debris will be left. Major work, like dead tree removal, is the responsibility of the property owner.

When clearing storm-damaged limbs, all debris is left. Consult your city or county vegetation management program for debris removal following severe weather events.

Pruning near power lines is dangerous and should only be completed by qualified professionals. If your qualified arborist needs to work on trees near power lines or equipment, call 888-427-5632 and a utility arborist will inspect the tree to make the area safe.

PLAN

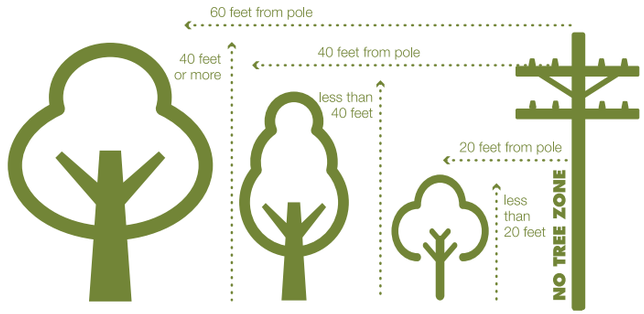
Before planting trees on your property, call 811. By law, you must call 811 to have underground utilities marked two full working days before digging.

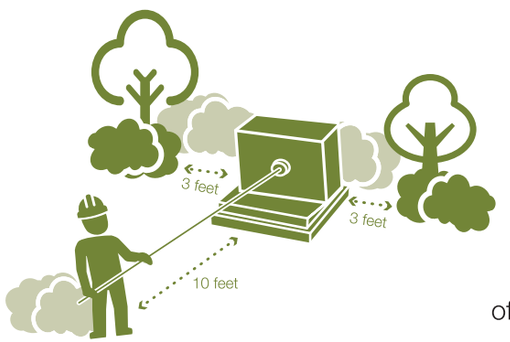
Next, look around and look up to check for power lines and utility boxes. Plan to plant trees a safe distance away from power lines or utility boxes. Consider how big the tree will grow as it matures before deciding where to plant it. If you do not know how large a tree will grow consult your local tree farm, landscaper, arborist, or cooperative extension service for assistance.

PLANT

Use these guidelines to plant trees a safe distance away from power lines:

- **Small trees** (under 20 feet at maturity) – These are the only trees that are safe to plant within 20 feet of a power line pole.
- **Medium trees** (between 25-40 feet at maturity) – These should be planted over 40 feet away from a power line pole.
- **Large trees** (40 feet or larger at maturity) – These should be planted over 60 feet away from a power line pole.





KEEP ACCESS TO TRANSFORMERS CLEAR

Transformers are green metal utility boxes mounted on a small concrete or fiberglass pad in your neighborhood. To allow our crews space to work inside these transformers, do not plant shrubs or trees within 10 feet of the front and 3 feet of the sides of the box.

PRUNE

We provide pruning services to keep lines clear as part of your electrical service at no additional cost.

MidAmerican Energy will notify you with a letter or an automated phone call before tree pruning begins in your area. If branches are already touching or close to power lines, we may need to enter the property quickly without advance notice. Tariffs and franchise agreements filed with your state utility board allow us to access our power lines for maintenance activities.

BOTTOM LINE

Proper planning, planting and pruning creates healthy, beautiful trees, and decreases the potential for service disruption in your neighborhood.

Pruning information
888-427-5632
trees@MidAmerican.com

Power out
800-799-4443

Gas leak
800-595-5325

811 Before planting, call 811 to have underground utilities marked

Know what's **below.** **Call** before you dig.

MIDAMERICAN ENERGY COMPANY

PLAN, PLANT AND PRUNE TREES

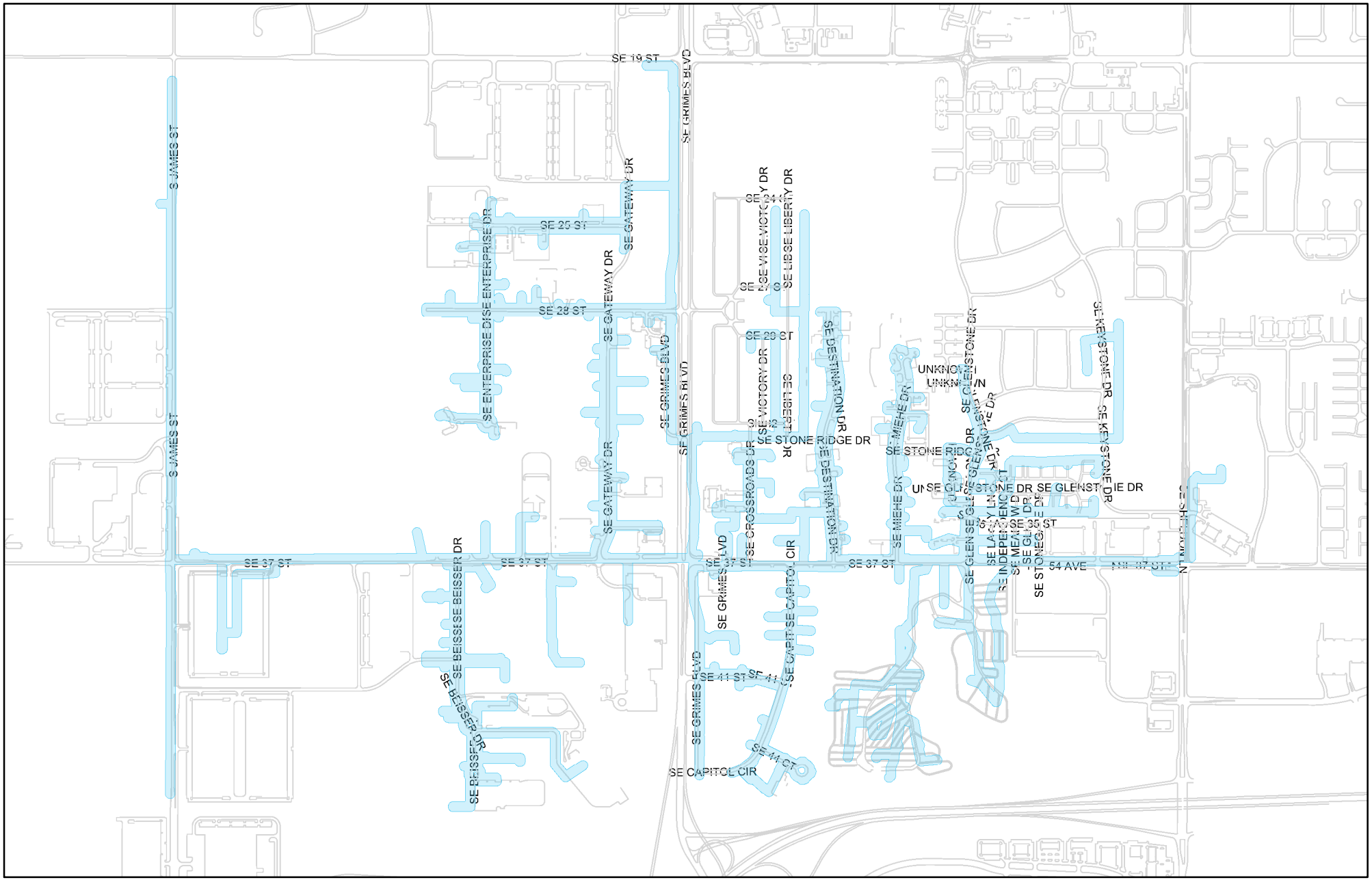
TO PREVENT INTERFERENCE WITH POWER LINES

MIDAMERICAN ENERGY COMPANY

24-580 | 9/18/18

FL222 Circuit Overview - Des Moines Area (Grimes, IA)

May 23, 2023



DISCLAIMER OF LIABILITY

NOTE: This drawing reflects facilities in place at the time of its preparation and is subject to change at any time. For current facility information, please contact MidAmerican Energy Company. Further, MidAmerican Energy Company disclaims all liability and responsibility for all claims and damages including but not limited to, personal injury, death and property damage, resulting from any authorized or unauthorized use of, or reliance upon, this drawing for any purpose.

RESOLUTION NO. 06-2023

RESOLUTION APPROVING STATE OF IOWA ALCOHOL LICENSES

WHEREAS, the Grimes City Code 5-1-4 states the City Council shall either approve or disapprove the issuance of liquor licenses or retail wine and beer permits;

WHEREAS, after consideration by the City Council the City Clerk shall forward such decision on to the Iowa Alcoholic Beverage Division for further action;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

The attached (Exhibit A) Alcohol Licenses shall be approved.

PASSED AND APPROVED this 27th day of June 2023.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

By:_____
Rochelle Williams, City Clerk

Council Meeting June 27, 2023

ABD RENEWAL & NEW LICENSE

1. **Hy-Vee Fast & Fresh #1**: Renewal: 1401 W. 1st Street, Class E. Liquor
2. **Hy-Vee Grocery: Renewal:** 351 NE Gateway Dr, Class E. Liquor
3. **Hy-Vee Market Grille: Renewal**:351 NE Gateway Dr, Class E Liquor
4. **1st Street Tavern:** 1101 1st Street #112, Class C Liquor, Outdoor Service & Sunday Sales.
5. **New Temporary Special Permit: Hy-Vee Healthy Smiles Technology**: 3801 S. James St. #400: Class C Retail Alcohol License

CITY OF GRIMES

ALCOHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: Hy-Vee Fast & Fresh #1
Establishment Address: 1401 W. 1st Street

License Class: X Class E Retail Alcohol License

Privileges: Outdoor Service ☐ Sunday Sales ☐ Catering ☐ (All that apply)

New ☐ Renewal X

Fire Department Approval

Fire Inspection Date: 5/30/23

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: _____

Building Department Approval – N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Building Official Signature: _____

Planning Approval- N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Planning Signature: _____

CITY OF GRIMES

ALCOHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: Hy-Vee Grocery
Establishment Address: 351 NE Gateway Drive

License Class: X Class E Retail Alcohol License

Privileges: Outdoor Service ☐ Sunday Sales ☐ Catering ☐ (All that apply)

New ☐ Renewal X

Fire Department Approval

Fire Inspection Date: 5/30/23

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: _____

Building Department Approval – N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Building Official Signature: _____

Planning Approval- N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Planning Signature: _____

CITY OF GRIMES

ALCOHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: Hy-Vee Market Grille
Establishment Address: 351 NE Gateway Drive

License Class: X Class E Retail Alcohol License

Privileges: Outdoor Service ☐ Sunday Sales ☐ Catering ☐ (All that apply)

New ☐ Renewal X

Fire Department Approval

Fire Inspection Date: 5/30/23

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: _____

Building Department Approval – N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Building Official Signature: _____

Planning Approval- N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Planning Signature: _____

CITY OF GRIMES

ALCOHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: 1st Street Tavern

Establishment Address: 1101 1st Street #112

License Class: X Class C Liquor License

Privileges: Outdoor Service X Sunday Sales X Catering ☐ (All that apply)

New ☐ Renewal X

Fire Department Approval

Fire Inspection Date: 6/19/23

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: _____

Building Department Approval

Approval: Yes ☐ No ☐

Reason for not approving: _____

Building Official Signature: _____

Planning Approval- N/A

Approval: Yes ☐ No ☐

Reason for not approving: _____

Planning Signature: _____

CITY OF GRIMES

ALCOHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: Hy-Vee Healthy Smiles Technology – 5 Day Special Event
Establishment Address: 3801 S. James St. #400

License Class: [X Class C Liquor License]

Privileges: Outdoor Service Sunday Sales Catering ☐ (All that apply)

[New X] Renewal

Fire Department Approval

Fire Inspection Date: 6/16/23

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: _____

Building Department Approval

Approval: Yes ☒ No ☐

Reason for not approving: _____

Building Official Signature: _____

Planning Approval

Approval: Yes ☒ No ☐

Reason for not approving: _____

Planning Signature: _____

RESOLUTION NO. 06-2123 APPROVING PAYMENTS FOR PROFESSIONAL SERVICES

WHEREAS, the City of Grimes has identified the need to retain consultants for professional services;

WHEREAS, the consultants have agreed to provide a scope of work for the City;

WHEREAS, the consultants have completed all or portions of the scope of work and are requesting payment of those services;

WHEREAS, the requests for payments have been reviewed and approved by City staff as due and payable;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa the professional payments that are listed, shall be approved as submitted.

PASSED AND APPROVED this 27th day of June 2023.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

By: _____
Rochelle Williams, City Clerk

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: Grimes Existing Basins Enhancements
Contractor: Nilles Associates, Inc.
Address: 1933 SW Magazine Road, Ankeny, IA 50023
Finance Budget Code: 740-865-6407 ***Finance Project #*** _____
Vendor Project or Invoice #: 20132.08 ***PO #*** _____
Original Contract Date: July 14, 2020 ***Vendor #*** 3129

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 8
PAYMENT PERIOD: From: January 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 22,400.00			
Net change by Change Orders:	$ 21,790.00			
Contract Amount to Date: (line 1 ± 2)		$ 44,190.00		
Total completed and stored to date:	$ 36,690.00			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 36,690.00		
Less previous applications for payment:		$ 34,190.00		
SUBTOTAL			$	2,500.00
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	2,500.00
Balance to finish, including retainage:		$ 7,500.00		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Nilles Associates, Inc.
Firm Name

Signature 5/24/2023
Date

Engineer / Consultant Approval:
Firm Name

Signature Date

City of Grimes Staff Approval:
Signature 6-7-23
Date

City of Grimes Council Approval:
Council 6-13-23
Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 5/24/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	May 11, 2021	$ 10,150.00
2	June 22, 2021	$ 3,500.00
3	September 14, 2021	$ 5,540.00
4	November 9, 2021	$ 2,500.00
5	February 22, 2022	$ 2,500.00
6	August 23, 2022	$ 5,000.00
7	December 27, 2022	$ 5,000.00
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 34,190.00**

Record of Change Orders

No.	Date	Amount
1	June 8, 2021	$ 6,790.00
2	September 13, 2022	$ 15,000.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 21,790.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	JUL. 14, 2020
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 5/24/2023

CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE

NILLES ASSOCIATES

1933 SW Magazine Road
Ankeny, IA 50023
(515) 965-0123 office / (515) 965-3322 fax
nillesinc.com

INVOICE

City of Grimes, Iowa
Attn.: Matt Ahrens
410 SE Main Street, Suite 102
Grimes, IA 50111

Invoice Date: 5/10/2023
Billing Period: 01/01/23-04/30/23

Invoice No: 20132.08
Project No: 20132

Project: Grimes Existing Basins Enhancements

						Current
Lump Sum Services:						
2023 Quarter 1	$2,500.00	@	100%	Complete	$2,500.00	
				Subtotal:	$2,500.00	**$2,500.00**

Total Due this Invoice: **$2,500.00**

Thank You for Your Business

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: Grimes Plex
Contractor: Civil Design Advantage
Address: 4121 NW Urbandale Drive, Urbandale, Iowa 50322
Finance Budget Code: 367-470-6407 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: March 22, 2022 ***Vendor #*** 1243

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 10

PAYMENT PERIOD: From: May 1, 2023 Through: May 28, 2023

Contract Summary

Original Contract Amount:	$ 178,900.00			
Net change by Change Orders:	$ 484,145.00			
Contract Amount to Date: (line 1 ± 2)		$ 663,045.00		
Total completed and stored to date:	$ 425,658.72			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 425,658.72		
Less previous applications for payment:		$ 387,910.78		
SUBTOTAL			$	37,747.94
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	37,747.94
Balance to finish, including retainage:		$ 237,386.28		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: Civil Design Advantage

Firm Name

Signature 6/5/2023

Date

City of Grimes Staff Approval:

Signature 6-7-23

Date

City of Grimes Council Approval: Council 6-13-23

Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	May 24, 2022	$ 12,171.27
2	June 28, 2022	$ 26,623.03
3	August 9, 2022	$ 26,447.25
4	September 13, 2022	$ 99,482.25
5	November 22, 2022	$ 79,855.13
6	January 24, 2023	$ 41,333.65
7	April 11, 2023	$ 30,093.92
8	May 9, 2023	$ 22,215.41
9	May 23, 2023	$ 49,688.87
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 387,910.78**

Record of Change Orders

No.	Date	Amount
1	October 11, 2022	$ 28,015.00
2	November 8, 2022	$ 456,130.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 484,145.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	March 22, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/5/2023

Invoice

Civil Design Advantage LLC
4121 NW Urbandale Drive
Urbandale, Iowa 50322
(515) 369-4400

City of Grimes
Alex Pfaltzgraff
410 SE Main Street, Suite 102
Grimes, IA 50111

June 2, 2023
Project No: 2202.086
Invoice No: 41149

Project 2202.086 City of Grimes - Grimes Plex

Professional Services from May 1, 2023 through May 28, 2023

Task 102 Topographic Survey

Professional Personnel

	Hours	Rate	Amount
Technician 1	1.50	58.00	87.00
Technician 4	5.50	93.00	511.50
Technician 5	5.00	104.00	520.00
Total Labor			**1,118.50**

Total this Task **$1,118.50**

Task 201 Concept Refinement

Total this Task **0.00**

Task 203 SWMP

Total this Task **0.00**

Task 205 SWPPP

Total this Task **0.00**

Task 230 Estimate Construction Costs

Total this Task **0.00**

Task 302 Hope Plat 4 CD Rev

Total this Task **0.00**

Task 306 Easement Plat Preparation

Professional Personnel

	Hours	Rate	Amount
Technician 3	1.50	81.00	121.50
Total Labor			**121.50**

Total this Task **$121.50**

Task 401 Site Plan Revisions

Professional Personnel

	Hours	Rate	Amount
Engineer 8	.25	172.00	43.00
Total Labor			**43.00**

Total this Task **$43.00**

Task 402 Site Plan Revisions - Buildings

Professional Personnel

	Hours	Rate	Amount
Engineer 8	3.50	172.00	602.00
Total Labor			**602.00**

Total this Task **$602.00**

Task 501 Project Development and Coordination

Professional Personnel

	Hours	Rate	Amount
Engineer 8	11.50	172.00	1,978.00
Total Labor			**1,978.00**

Total this Task **$1,978.00**

Task 503 Color Rendering

Total this Task **0.00**

Task 504 Project Manual

Total this Task **0.00**

Task 505 Bidding Services

Total this Task **0.00**

Task 506 Bid Letting Services

Total this Task **0.00**

Task 507 Major Addendum

Total this Task **0.00**

Task 508 Pre-Construction Meetings

Total this Task **0.00**

Task 601 Construction Staking

Professional Personnel

	Hours	Rate	Amount
Technician 2	47.50	70.00	3,325.00
Technician 4	9.50	93.00	883.50
Technician 5	8.25	104.00	858.00
Technician 8	54.00	134.00	7,236.00
Project Manager 4	4.50	129.00	580.50
Total Labor			**12,883.00**

Total this Task **$12,883.00**

Task 603 Construction Administration

Professional Personnel

	Hours	Rate	Amount
Engineer 8	34.00	172.00	5,848.00
Total Labor			**5,848.00**

Total this Task **$5,848.00**

Task 604 Construction Observation

Professional Personnel

	Hours	Rate	Amount	
Technician 1	23.00	58.00	1,334.00	
Technician 4	58.00	93.00	5,394.00	
Total Labor				**6,728.00**
		Total this Task		**$6,728.00**

Task 605 Record Drawings

Professional Personnel

	Hours	Rate	Amount	
Technician 1	1.50	58.00	87.00	
Total Labor				**87.00**
		Total this Task		**$87.00**

Task 613 Shop Drawing Review

Total this Task **0.00**

Task 701 Geotechnical Investigation

Total this Task **0.00**

Task 702 Electrical Design

Total this Task **0.00**

Task 703 Sub-consultant - IMEG Construction

Total this Task **0.00**

Task 704 Sub-consultant - Barrel Age Productions

Consultants

Sub-consultant

5/29/2023	Simonson & Associates Architects LLC	Architectural services	7,830.00	
	Total Consultants		**7,830.00**	**7,830.00**
			Total this Task	**$7,830.00**

Task 998 Permits & Fees

Total this Task **0.00**

Task 999 Reimbursable Expenses

Reimbursable Expenses

Employee Mileage Reimb

5/30/2023	Mileage	80.0 miles @ 0.655	52.40	
	Total Reimbursables		**52.40**	**52.40**

Unit Billing

5/1/2023	Mileage	697.0 miles @ 0.655	456.54	
	Total Units		**456.54**	**456.54**
			Total this Task	**$508.94**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	37,747.94	387,910.78	425,658.72
Limit			663,045.00
Remaining			237,386.28

Project	2202.086	City of Grimes - Grimes Plex	Invoice	41149

Total this Invoice **$37,747.94**

Project Manager Joshua Trygstad

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	Water Works Park Splash Pad		
Contractor:	ISG		
Address:	115 East Hickory St, Suite 300 Mankato, MN 56001		
Finance Budget Code:	348-430-6407	***Finance Project #***	-
Vendor Project or Invoice #:	86868	***PO #***	-
Original Contract Date:	September 14, 2021	***Vendor #***	4025

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 18

PAYMENT PERIOD: From: April 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 211,600.00			
Net change by Change Orders:	$ 185,000.00			
Contract Amount to Date: (line 1 ± 2)		$ 396,600.00		
Total completed and stored to date:	$ 390,481.02			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 390,481.02		
Less previous applications for payment:		$ 346,799.34		
SUBTOTAL			$	43,681.68
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	43,681.68
Balance to finish, including retainage:		$ 6,118.98		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: ISG
Firm Name

Hayley Schull
Signature — May 24, 2023 Date

Engineer / Consultant Approval:
Firm Name

Signature — Date

City of Grimes Staff Approval:
Signature — 6-7-23 Date

City of Grimes Council Approval:
Council 6-13-23
Signature — Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 5/25/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	October 26, 2021	$ 2,500.00
2	November 23, 2021	$ 12,500.00
3	December 14, 2021	$ 26,526.00
4	January 25, 2022	$ 45,622.00
5	February 22, 2022	$ 33,535.49
6	March 22, 2022	$ 72,000.00
7	May 10, 2022	$ 16,116.51
8	June 28, 2022	$ 2,800.00
9	July 26, 2022	$ 12,457.95
10	August 23, 2022	$ 30,382.92
11	September 27, 2022	$ 40,898.26
12	October 25, 2022	$4,879.38
13	November 22, 2022	$ 14,434.50
14	December 27, 2022	$ 8,524.29
15	February 14, 2023	$ 12,354.54
16	February 28, 2023	$ 6,992.50
17	March 28, 2023	$ 4,275.00
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 346,799.34**

Record of Change Orders

No.	Date	Amount
1	April 26, 2022	$ 185,000.00
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 185,000.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	September 14, 2021
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 5/25/2023

I & S Group, Inc.
115 E. Hickory St.
Suite 300
Mankato, MN 56001
507-387-6651
www.ISGInc.com

City of Grimes, IA
EMAIL
410 SE Main St, Suite 102
Grimes, IA 50111

Invoice Number 92419
Date 04/30/2023

Project 21-25768 Grimes Water Works Park Improvements - Grimes, IA

Progress billing for professional services provided through date of invoice

Water Works Park Splash Pad
Finance Budget Code – 348-430-6407
Vendor # - 4025

INCLUDE PAY APP

Description	Contract Amount	Prior Billed	Current Billed
Survey	**$9,300.00**	**$9,300.00**	
Geotechnical Coordination	**$3,500.00**	**$3,500.00**	
Design Development	**$57,500.00**	**$57,500.00**	
Construction Documents	**$135,000.00**	**$135,000.00**	
Bidding	**$6,300.00**	**$6,300.00**	
Construction Administration	**$65,000.00**	**$65,000.00**	
Construction Survey	**$35,000.00**	**$33,749.95**	**$1,250.05**
Construction Observation	**$85,000.00**	**$57,979.73**	**$20,901.29**
Reimbursables			
	$396,600.00	$368,329.68	$22,151.34

Invoice Amount **$22,151.34**

I & S Group, Inc.
115 E. Hickory St.
Suite 300
Mankato, MN 56001
507-387-6651
www.ISGInc.com

Payment Terms: Net 30 days from invoice date. Past due balances are subject to late fees in the amount of 1.5% per month.
If you have a question regarding your invoice or are interested in receiving invoices electronically, please e-mail AR@ISGInc.com

Automated Clearing House (ACH) Instructions

Account Name: I&S Group, Inc.
ABA/Routing Number: 073000642
Account Number: 2348642289
Send Remittance to: AR@ISGinc.com

Aging Summary

Invoice Number	Invoice Date	0 - 30	31 - 60	61-90	Over 90	Balance
91497	3/31/2023	$21,530.34	$0.00	$0.00	$0.00	$21,530.34
92419	4/30/2023	$22,151.34				$22,151.34
Total Outstanding		$43,681.68	$0.00	$0.00	$0.00	$43,681.68

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	SE Trail Ridge Road Reconstruction		
Contractor:	MSA Professional Services, Inc.		
Address:	1555 SE Delaware Avenue, Suite F Ankeny, IA 50021		
Finance Budget Code:	376-210-6407	***Finance Project #***	
Vendor Project or Invoice #:		***PO #***	
Original Contract Date:	September 13, 2022	***Vendor #***	3134

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 6

PAYMENT PERIOD: From: 04/25/2023 Through: 05/27/2023

Contract Summary

Original Contract Amount:	$ 96,000.00			
Net change by Change Orders:	$ 62,280.00			
Contract Amount to Date: (line 1 ± 2)		$ 158,280.00		
Total completed and stored to date:	$ 107,397.50			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 107,397.50		
Less previous applications for payment:		$ 96,000.00		
SUBTOTAL			$	11,397.50
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	11,397.50
Balance to finish, including retainage:		$ 50,882.50		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: MSA Professional Services, Inc.

Firm Name

Nichole Jungren

Signature 6/02/2023

Date

City of Grimes Staff Approval:

Signature 6-7-23

Date

City of Grimes Council Approval:

Council 6-13-23

Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	November 8, 2022	$ 59,930.00
2	December 13, 2022	$ 8,145.00
3	Febuary 14,2023	$ 19,340.00
4	March 14, 2023	$ 3,830.00
5	May 9, 2023	$ 4,755.00
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 96,000.00**

Record of Change Orders

No.	Date	Amount
1	April 25, 2023	$ 62,280.00
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 62,280.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	September 13, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/2/2023

MSA™

INVOICE

PAYMENT DUE UPON RECEIPT OF INVOICE. INTEREST AT THE RATE OF 1.5% PER MONTH ON UNPAID BALANCE WILL BE ADDED TO YOUR NEXT STATEMENT.

For questions, contact: (800) 362-4505

Remit to:
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913

City of Grimes
410 SE Main Street #102
Grimes, IA 50111

June 1, 2023
Invoice No: R09410016.0 - 1

00-50-203
Project Manager Nichole Sungren
Client Liaison Nichole Sungren

AMOUNT DUE THIS INVOICE: $11,397.50

Project R09410016.0 Grimes IA Trail Ridge Reconstruction CRS

Professional Services from April 25, 2023 to May 27, 2023

Phase 01 Lump Sum

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Construction Admin	29,810.00	21.00	6,260.10	0.00	6,260.10
Construction Staking	30,220.00	17.00	5,137.40	0.00	5,137.40
Post Construction	2,250.00	0.00	0.00	0.00	0.00
Total Fee	62,280.00		11,397.50	0.00	11,397.50

Total Fee 11,397.50

Total this Phase $11,397.50

AMOUNT DUE THIS INVOICE: $11,397.50

For ACH notification, remit to:
ach@msa-ps.com
Account Number: 101065930 Routing Number: 075901590
Bank Information: Baraboo State Bank, 101 3rd Ave., PO Box 50., Baraboo, WI 53913, (608) 356-7703

MSA ENABLES PEOPLE TO POSITIVELY IMPACT THE LIVES OF OTHERS.

We are proud to be a 100% employee-owned firm.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: WRA Connector
Contractor: Veenstra & Kimm, Inc.
Address: 3000 Westown Parkway, West Des Moines, IA 50266
Finance Budget Code: 328-815-6407 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: February 26, 2019 **Vendor #** 2157

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 54
PAYMENT PERIOD: From: April 16, 2023 Through: May 20, 2023

Contract Summary

Original Contract Amount:	$ 882,000.00		
Net change by Change Orders:	$ 626,000.00		
Contract Amount to Date: (line 1 ± 2)		$ 1,508,000.00	
Total completed and stored to date:	$ 1,447,968.26		
Retainage: 0 % of Completed Work:	$ -		
Total Earned less Retainage:		$ 1,447,968.26	
Less previous applications for payment:		$ 1,369,436.10	
SUBTOTAL			$ 78,532.16
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 78,532.16
Balance to finish, including retainage:		$ 60,031.74	
Contract Time Remaining (If applicable)	- Working Days		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:
Firm Name
Signature Date

Engineer / Consultant Approval: Veenstra & Kimm, Inc.
Firm Name
Signature Date: June 2, 2023

City of Grimes Staff Approval:
Signature Date: 6-7-23

City of Grimes Council Approval: Council 6-13-23
Signature Date

Submit to: Matt Ahrens, P.E. - City Engineer - Engineering Department
E-mail: mahrens@grimesiowa.gov *Phone:* (515) 986-4050 *Fax:* (515) 986-4480

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	April 9, 2019	$ 3,410.10
2	May 14, 2019	$ 3,784.00
3	June 11, 2019	$ 3,084.78
4	July 9, 2019	$ 4,757.29
5	August 13, 2019	$ 1,845.40
6	September 10, 2019	$ 228.91
7	October 8, 2019	$ 877.32
8	November 12, 2019	$ 4,026.12
9	December 9, 2019	$ 9,595.24
10	January 14, 2020	$ 4,855.90
11	February 11, 2020	$ 2,699.94
12	March 10, 2020	$ 1,328.45
13	April 14, 2020	$ 1,506.55
14	February 11, 2020	$ 24,359.53
15	March 10, 2020	$ 10,500.50
16	April 14, 2020	$ 5,165.23
17	May 12, 2020	$ 11,490.30
18	June 9, 2020	$ 6,605.10
19	July 14, 2020	$ 57,078.16
20	August 11, 2020	$ 36,812.00
21	September 22, 2020	$ 45,013.14
22	October 13, 2020	$ 32,958.72
23	November 10, 2020	$ 28,597.90
24	December 22, 2020	$ 11,743.35
25	January 12, 2021	$ 5,444.50
26	February 9, 2021	$ 27,474.28
27	March 9, 2021	$ 11,301.96
28	April 27, 2021	$ 15,104.50
29	May 11, 2021	$ 9,751.90
30	June 8, 2021	$ 17,322.10
31	July 13, 2021	$ 19,548.00
32	August 10, 2021	$ 5,586.82
33	September 14, 2021	$ 11,200.40
34	October 12, 2021	$ 12,977.06
35	November 9, 2021	$ 27,432.50

Previous Applications for Payment

No.	Date	Amount
36	December 14, 2021	$ 10,413.05
37	January 11, 2022	$ 70,000.00
38	February 8, 2022	$ 18,414.00
39	March 8, 2022	$ 13,086.08
40	April 12, 2022	$ 27,388.60
41	May 10, 2022	$ 33,571.24
42	June 14, 2022	$ 39,108.44
43	July 12, 2022	$ 37,507.11
44	August 9, 2022	$ 47,079.48
45	September 13, 2022	$ 82,131.55
46	October 11, 2022	$ 71,397.76
47	November 8, 2022	$ 59,227.51
48	December 13, 2022	$ 63,958.16
49	January 10, 2023	$ 66,133.54
50	February 14, 2023	$ 57,401.07
51	March 14, 2023	$ 62,975.04
52	April 11, 2023	$ 57,915.63
53	May 9, 2023	$ 76,259.89
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 1,369,436.10**

Record of Change Orders

No.	Date	Amount
1	September 22, 2020	$ -
2	October 27, 2020	$ 66,000.00
3	December 14, 2021	$ 560,000.00
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 626,000.00**

Contract Time Remaining

	Working Days
Contract Period:	
Original Contract Date:	February 26, 2019
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/2/2023

VEENSTRA & KIMM INC.

STATEMENT OF PROFESSIONAL SERVICES

City of Grimes
Attn: Matt Ahrens
101 NE Harvey
Grimes, IA 50111

May 26, 2023
Project No: 128108
Invoice No: 17

Project Manager H. Veenstra

Engineering services for WRA Connector - Phase 2 - Construction Engineering Services:

Professional Services from April 16, 2023 to May 20, 2023

Professional Personnel

	Hours	Rate	Amount	
Clerical II	7.00	76.00	532.00	
Clerical III	3.00	65.00	195.00	
Process Engineer I	14.00	215.00	3,010.00	
Engineer I-C	4.50	179.00	805.50	
Engineer III-A	3.00	144.00	432.00	
Construction Engineer II	164.50	121.00	19,904.50	
Construction Engineer III	3.00	108.00	324.00	
Technician I	59.50	101.00	6,009.50	
Technician III	188.50	84.00	15,834.00	
Technician IV	224.50	81.00	18,184.50	
Technician V	109.50	76.00	8,322.00	
Totals	781.00		73,553.00	
Total Labor				**73,553.00**

Reimbursable Expenses

Miscellaneous Expense	708.30	
Total Reimbursables	**708.30**	**708.30**

Unit Billing

Printing	2.64	
Mileage	197.81	
Mileage	1,991.20	
Mileage	119.21	
GPS	210.00	
Robotics	1,750.00	
Total Units	**4,270.86**	**4,270.86**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	78,532.16	796,436.10	874,968.26
Limit			900,000.00
Remaining			25,031.74

Total this Invoice **$78,532.16**

Project	128108	WRA Connector - Phase 2 - CS	Invoice	17

Billings to Date

	Current	Prior	Total
Labor	73,553.00	750,179.00	823,732.00
Expense	708.30	5,602.97	6,311.27
Unit	4,270.86	40,654.13	44,924.99
Totals	**78,532.16**	**796,436.10**	**874,968.26**

DORSEY
DORSEY & WHITNEY LLP

DES MOINES OFFICE
515-283-1000

(Tax Identification No. 41-0223337)

STATEMENT OF ACCOUNT FOR PROFESSIONAL SERVICES

City of Grimes, Iowa
Attn: Rochell Williams, City Clerk
101 NE Harvey Street
Grimes, IA 50111

May 30, 2023
Invoice Number 3881872

Client-Matter No.: 419952-00092
2023 Urban Renewal Plan Amendment

For Legal Services Rendered Through April 30, 2023

INVOICE TOTAL

Total For Current Legal Fees	$3,945.50
Total Due This Invoice	**$3,945.50**

001-650-6499 MJ

For your convenience, please remit payment to the address below or we offer the option of remitting payment electronically by wire transfer. If you have any questions regarding this information, please contact the lawyer you are working with on this project or Dorsey's Accounts Receivable Department at 1-800-861-0760. Thank you.

Mailing Instructions:
Dorsey & Whitney LLP
P.O. Box 1680
Minneapolis, MN 55480-1680

Wire Instructions:
U.S. Bank National Association
800 Nicollet Mall
Minneapolis, MN 55402

(This account is only for Wire/ACH payments)
ABA Routing Number: 091000022
Account Number: 1047-8339-8282
Swift Code: USBKUS44IMT

Please make reference to the invoice number

Service charges are based on rates established by Dorsey & Whitney. A schedule of those rates has been provided and is available upon request. Disbursements and service charges, which either have not been received or processed, will appear on a later statement.

ALL INVOICES ARE DUE 30 DAYS FROM DATE OF INVOICE UNLESS OTHERWISE EXPRESSLY AGREED BY DORSEY & WHITNEY

DORSEY
DORSEY & WHITNEY LLP

DES MOINES OFFICE
515-283-1000

(Tax Identification No. 41-0223337)

STATEMENT OF ACCOUNT FOR PROFESSIONAL SERVICES

City of Grimes, Iowa
Attn: Rochell Williams, City Clerk
101 NE Harvey Street
Grimes, IA 50111

May 30, 2023
Invoice Number 3881872

Client-Matter No.: 419952-00092
2023 Urban Renewal Plan Amendment

For Legal Services Rendered Through April 30, 2023

Legal services, consultation, research and document preparation for March, 2023 Urban Renewal Plan Amendment

Total For Legal Fees	**$3,945.50**
Total This Invoice	**$3,945.50**

Service charges are based on rates established by Dorsey & Whitney. A schedule of those rates has been provided and is available upon request. Disbursements and service charges, which either have not been received or processed, will appear on a later statement.

ALL INVOICES ARE DUE 30 DAYS FROM DATE OF INVOICE UNLESS OTHERWISE EXPRESSLY AGREED BY DORSEY & WHITNEY

APPLICATION AND CERTIFICATE FOR PAYMENT

TO (OWNER):
City of Grimes

PROJECT: Grimes Public Library
PROJECT: # X237400

Distribution to:
OWNER (1)
ARCHITECT (3)
CONTRACTOR (1)

MAKE PAYMENT TO:
FROM (CONTRACTOR):
The Weitz Company, LLC
611 5th Ave, Suite 300
Des Moines, IA 50309
CONTRACT FOR: Construction Management

ARCHITECT:
Invision
303 Watson Powell Jr. Way
Suite 200
Des Moines, IA 50309

APPLICATION NO: 16
PERIOD TO:
05/01/23
05/31/23

CONTRACT DATE:

CONSTRUCTION MANAGER'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY			
Change Orders approved in previous months by Owner		ADDITIONS	DEDUCTIONS
TOTAL		0	0
Approved this Month			
Number	Date Approved		
CO 1	CM Services finalized	22,633.00	
CO 2	PCO 004, 005, 009 & 010	17,558.50	
TOTALS		40,191.50	0
Net change by Change Order			40,191.50

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1.ORIGINAL CONTRACT SUM	$ 951,048.00
2.Net change by Change Order	$ 40,191.50
3.CONTRACT SUM TO DATE (Line 1+2) (Column C on G703)	$ 991,239.50
4.TOTAL COMPLETED & STORED TO DATE (Column G on G703)	$ 734,454.84
5. RETAINAGE:	
a. 0% completed work (Column D + E on G703)	$ -
b. 0% of Stored Material (Column F on G703) included in above number	$ -
TOTAL RETAINAGE (Line 5a + 5b or Total in Column 1 of G703)	$ -
6.TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	$ 734,454.84
7.LESS PREVIOUS CERTIFICATES FOR PAYMENTS	$ 667,611.33
8.CURRENT PAYMENT NOW DUE	$ 66,843.51
9.BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	$ 256,784.66

The undersigned Sub - Contractor certifies that to the best of the Sub - Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Sub - Contractor for Work for which previous Certificates for Payment were issued and payments received from the Contractor, and that current payment shown herein is now due.

CONTRACTOR: THE WEITZ COMPANY, LLC

By: Stephanie Morrison June 6, 2023

State of: IOWA County of: POLK
subscribed and sworn to before me this June 6, 2023

NOTARY PUBLIC: Kara DeVenney
My Commission Expires:

KARA DeVENNEY
Commission Number 836920
My Commission Expires
January 26, 2025

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED. . . . . $ 66,843.51
(Attach explanation if certified differs from the amount applied for.)

ARCHITECT:

By: _____ Date: 06.09.23

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Prj #	X23[illegible]00		App # :	16				Pd From:	1-May-23
Prj Name	Grimes Public Library		App Date:	6-Jun-23				PD TO :	31-May-23
Sub:			Retain :	5.00%					

A	B	C1	D	E	F	G		H	I
Item Number	Description of Work	SOV	WORK COMPLETED PREVIOUS (D+E)	WORK COMPLETED This Period	MATERIALS PRESENTLY STORED (NOT IN D OR E)	Total Completed And Stored (D+E+F)	Percent (G%C)	Balance To Finish (C-G)	Retainage
	The Weitz Company - Construction Manager								
1	Preconstruction	25,000.00	25,000.00			25,000.00	100%		
2	Construction Manager Services	497,759.00	385,989.00	38,748.00		424,737.00	85%	73,022	
	General Requirements								
3	Latrines	7,500.00	4,489.00	430.00		4,919.00	66%	2,581	
4	Surveying	7,457.50	3,813.00	199.50		4,012.50	54%	3,445	
5	Dumpsters/Trash Chute	33,560.00	2,751.00	2,435.00		5,186.00	15%	28,374	
6	Safety	2,050.00	14,880.31	166.00		15,046.31	734%	(12,996)	
7	SWPPP/Access/Snow Removal	34,142.00	17,169.83	300.00		17,469.83	51%	16,672	
8	General Building Enclosures/Heat	50,146.00	2,802.89	2,384.57		5,187.46	10%	44,959	
9	Roof Access	5,000.00	6,780.92			6,780.92	136%	(1,781)	
10	Temporary Fencing	11,000.00	7,236.00			7,236.00	66%	3,764	
11	Fee (3.25%) on Construction Manager Services	21,080.00	14,661.00	1,360.00		16,021.00	76%	5,059	
12	Fee (3.25%) per Prime Volume Summary below	296,545.00	182,038.38	20,820.44		202,858.82	68%	93,686	
	Prime Volume Summary								
1	BP #01 - Grading & Utilities - Correll Contractors	$438,000	393,887			393,887	90%	44,113	19,694
2	BP #02 - General Construction - Graphite Group	$2,665,000	2,173,392.90	55,081.48		2,228,474.38	84%	436,526	111,424
3	BP #03 - Masonry - Forrest & Associates	$346,029	85,766.65	105,289.13		191,055.78	55%	154,973	9,553
4	BP #04 - Flooring - Ideal Floors	$109,575	53,489.60			53,489.60	49%	56,085	2,674
5	BP #05 - Ceramic Tile - Des Moines Marble	$119,025						119,025	
6	BP #06 - Roofing - Academy Roofing	$422,350	328,140.00	46,410.00		374,550.00	89%	47,800	18,728
7	BP #07 - Aluminum, Glazing & Metal Panels - Forman Ford	$844,487	489,724.95	25,700.00		515,424.95	61%	329,062	25,771
8	BP #08 - Framing, Drywall, Acoustic, Paint - Performance Contracting Inc	$1,466,520	770,222.00	111,650.00		881,872.00	60%	584,648	44,094
9	BP #09 - Elevator - KONE	$144,000	36,184.00			36,184.00	25%	107,816	1,809
10	BP #10 - Fire Sprinkler - Midwest Auto Fire Sprinkler	$86,660		26,000.00		26,000.00	30%	60,660	1,300
11	BP #11 - Mechanical - AMC Mechanical	$1,021,690	674,762.90	193,518.55		868,281.45	85%	153,409	43,414
12	BP #12 - Electrical - Van Maanen Electric	$977,086	509,065.32	76,979.96		586,045.28	60%	391,041	29,302
13	BP #13 - Site Paving - Nehring	$235,622	86,545.50			86,545.50	37%	149,077	4,327
14	BP #14 - Landscaping - Miner Hardscape	$149,970						149,970	
	Prime Contractors Total	$ 9,026,013.65	$ 5,601,180.82	$ 640,629.12		$ 6,241,809.94	69%	2,784,203.71	312,090.50

	WEITZ TOTAL	**991,239.50**	**667,611.33**	**66,843.51**		**734,454.84**	**74%**	**256,784.66**	

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: SE Little Beaver Dr. and SE 4th Thru 6th Sts. Water Main
Contractor: MSA Professional Services, Inc.
Address: 1555 SE Delaware Avenue, Suite F Ankeny, IA 50021
Finance Budget Code: 345-810-6407 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: March 28, 2023 ***Vendor #*** 3134

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 1
PAYMENT PERIOD: From: 03/29/2023 Through: 05/27/2023

Contract Summary

Original Contract Amount:	$ 84,800.00			
Net change by Change Orders:	$ -			
Contract Amount to Date: (line 1 ± 2)		$ 84,800.00		
Total completed and stored to date:	$ 44,690.00			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 44,690.00		
Less previous applications for payment:		$ -		
SUBTOTAL			$	44,690.00
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	44,690.00
Balance to finish, including retainage:		$ 40,110.00		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: MSA Professional Services, Inc.
Firm Name

Nichole Jungren 6/2/2023
Signature Date

City of Grimes Staff Approval:

Signature 6-7-23
Date

City of Grimes Council Approval:

Council 6-13-23
Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ -**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	March 28, 2023
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/2/2023

MSA™

INVOICE

PAYMENT DUE UPON RECEIPT OF INVOICE. INTEREST AT THE RATE OF 1.5% PER MONTH ON UNPAID BALANCE WILL BE ADDED TO YOUR NEXT STATEMENT.

For questions, contact: (800) 362-4505

Remit to:
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913

City of Grimes
410 SE Main Street #102
Grimes, IA 50111

June 1, 2023
Invoice No: R09410017.0 - 1

00-50-203
Project Manager Nichole Sungren
Client Liaison Nichole Sungren

AMOUNT DUE THIS INVOICE: $44,690.00

Project R09410017.0 Grimes IA SE Little Beaver Dr. and SE 4th thru 6th Sts. Water Main

Professional Services from March 29, 2023 to May 27, 2023

Phase 01 Lump Sum

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Survey/Mapping	14,500.00	100.00	14,500.00	0.00	14,500.00
Preliminary Design	26,800.00	100.00	26,800.00	0.00	26,800.00
Final Design	27,200.00	0.00	0.00	0.00	0.00
Bidding	5,000.00	0.00	0.00	0.00	0.00
Project Administration	11,300.00	30.00	3,390.00	0.00	3,390.00
Total Fee	84,800.00		44,690.00	0.00	44,690.00

Total Fee **44,690.00**

Total this Phase **$44,690.00**

AMOUNT DUE THIS INVOICE: $44,690.00

For ACH notification, remit to:
ach@msa-ps.com
Account Number: 101065930 Routing Number: 075901590
Bank Information: Baraboo State Bank, 101 3rd Ave., PO Box 50., Baraboo, WI 53913, (608) 356-7703

MSA ENABLES PEOPLE TO POSITIVELY IMPACT THE LIVES OF OTHERS.

We are proud to be a 100% employee-owned firm.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: SE Jacob St. Reconstruction and Storm Sewer
Contractor: MSA Professional Services, Inc.
Address: 1555 SE Delaware Avenue, Suite F Ankeny, IA 50021
Finance Budget Code: 366-210-6407 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: January 11, 2022 ***Vendor #*** 3134

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 8
PAYMENT PERIOD: From: 04/16/2023 Through: 5/27/2023

Contract Summary

Original Contract Amount:	$ 78,600.00			
Net change by Change Orders:	$ 117,690.00			
Contract Amount to Date: (line 1 ± 2)		$ 196,290.00		
Total completed and stored to date:	$ 196,290.00			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 196,290.00		
Less previous applications for payment:		$ 182,758.40		
SUBTOTAL			$	13,531.60
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	13,531.60
Balance to finish, including retainage:		$ -		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: MSA Professional Services, Inc.
Firm Name

Nichole Jungren 06/02/2023
Signature Date

City of Grimes Staff Approval: 6-7-23
Signature Date

City of Grimes Council Approval: Council 6-13-23
Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	April 12, 2022	$ 71,600.00
2	June 14, 2022	$ 7,000.00
3	August 23, 2022	$ 13,358.90
4	November 8, 2022	$ 46,751.80
5	December 13,2022	$ 24,897.40
6	March 14, 2023	$ 13,116.60
7	May 9, 2023	$ 6,033.70
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 182,758.40**

Record of Change Orders

No.	Date	Amount
1	June 14, 2022	$ 113,190.00
2	April 11, 2023	$ 4,500.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 117,690.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	January 11, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/2/2023

MSA

INVOICE

PAYMENT DUE UPON RECEIPT OF INVOICE. INTEREST AT THE RATE OF 1.5% PER MONTH ON UNPAID BALANCE WILL BE ADDED TO YOUR NEXT STATEMENT.

For questions, contact: (800) 362-4505

Remit to:
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913

City of Grimes
410 SE Main Street #102
Grimes, IA 50111

June 2, 2023
Invoice No: R09410014.0 - 6

00-50-203
Project Manager Nichole Sungren
Client Liaison Nichole Sungren

AMOUNT DUE THIS INVOICE: $13,531.60

Project R09410014.0 Grimes IA Jacob St. Reconstruction CRS

Professional Services from April 16, 2023 to May 27, 2023

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Construction Admin	17,920.00	100.00	17,920.00	17,561.60	358.40
Construction Staking	17,230.00	100.00	17,230.00	14,817.80	2,412.20
Post Construction	1,160.00	100.00	1,160.00	580.00	580.00
Neighborhood Mtg	1,930.00	100.00	1,930.00	1,930.00	0.00
Construction Observation	74,950.00	100.00	74,950.00	68,954.00	5,996.00
Wall Design	4,500.00	100.00	4,500.00	315.00	4,185.00
Total Fee	117,690.00		117,690.00	104,158.40	13,531.60

Total Fee **13,531.60**

AMOUNT DUE THIS INVOICE: $13,531.60

For ACH notification, remit to:
ach@msa-ps.com
Account Number: 101065930 Routing Number: 075901590
Bank Information: Baraboo State Bank, 101 3rd Ave., PO Box 50., Baraboo, WI 53913, (608) 356-7703

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES
##

Project Title: North Jordan Well Repairs
Contractor: McClure Engineering Company
Address: 1360 NW 121st Street, Clive, Iowa 50325
Finance Budget Code: 372-810-6407 ***Finance Project #***
Vendor Project or Invoice #: 2022000892-000 ***PO #***
Original Contract Date: June 28, 2022 ***Vendor #*** 2830

Date of Council Meeting June 27,2023 **PAYMENT REQUEST #** **8**

PAYMENT PERIOD: From: April 30, 2023 Through: May 27, 2023

Contract Summary

Original Contract Amount:	$ 55,000.00		
Net change by Change Orders:	$ 195,000.00		
Contract Amount to Date: (line 1 ± 2)		$ 250,000.00	
Total completed and stored to date:	$ 206,481.98		
Retainage: ____ % of Completed Work:			
Total Earned less Retainage:		$ 206,481.98	
Less previous applications for payment:		$ 206,110.73	
SUBTOTAL			$ 371.25
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 371.25
Balance to finish, including retainage:		$ 43,518.02	
Contract Time Remaining (If applicable)		Working Days	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: McClure Engineering Company

Firm Name

Signature June 19, 2023

Date

City of Grimes Staff Approval:

Signature 6-21-23

Date

City of Grimes Council Approval:

Council 6-27-23

Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/19/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	November 22, 2022	$ 74,776.08
2	December 27, 2022	$ 48,883.76
3	January 24, 2023	$ 32,874.65
4	February 14, 2023	$ 26,175.79
5	March 28, 2023	$ 7,096.45
6	April 25, 2023	$ 15,662.75
7	May 23, 2023	$ 641.25
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 206,110.73**

Record of Change Orders

No.	Date	Amount
1	November 8, 2022	$ 195,000.00
2		
3		
4		
6		
June 27,2023		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 195,000.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	June 28, 2022
Original Contract Time:	McClure Engine
Added by Change Order:	
Contract Time to Date:	#VALUE!
Time Used to Date:	
Contract Time Remaining:	**#VALUE!**

Date Printed: 6/19/2023

1360 NW 121st Street
Clive, IA 50325

Matt Ahrens
City of Grimes, IA
101 Northeast Harvey Street
Grimes, IA 50111

May 31, 2023
Project No: 2022000892-000
Invoice No: 145658
Due Date: June 30, 2023

Project 2022000892-000 Grimes North Jordan Well Repairs

Professional Services from April 30, 2023 to May 27, 2023

Phase 163 Project Administration

	Hours	Rate	Amount	
Project Coordinator	.75	135.00	101.25	
Totals	.75		101.25	
Total Labor				**101.25**
			Total this Phase	**$101.25**

Phase 592 Coordination with Permitting and Insurance Agencies

	Hours	Rate	Amount	
Principal	1.00	270.00	270.00	
Totals	1.00		270.00	
Total Labor				**270.00**
			Total this Phase	**$270.00**
			Total Due this Invoice	**$371.25**

Outstanding Invoices

Number	Date	Balance
144142	2/28/2023	7,096.45
Total		**7,096.45**

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	East Gateway Dr & East 1st St Intersection Improvements		
Contractor:	Snyder & Associates, Inc.		
Address:	2727 Snyder Blvd., PO Box 1159, Ankeny Iowa 50023		
Finance Budget Code:	371-210-6407	***Finance Project #***	
Vendor Project or Invoice #:	123.0366.01	***PO #***	
Original Contract Date:	March 14, 2023	***Vendor #***	2031

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 2

PAYMENT PERIOD: From: April 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 165,400.00			
Net change by Change Orders:	$ -			
Contract Amount to Date: (line 1 ± 2)		$ 165,400.00		
Total completed and stored to date:	$ 31,214.75			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 31,214.75		
Less previous applications for payment:		$ 11,742.93		
SUBTOTAL			$	19,471.82
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	19,471.82
Balance to finish, including retainage:		$ 134,185.25		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Snyder & Associates, Inc.
Firm Name

Jordan Stoermer
Signature — 6/6/2023 Date

Engineer / Consultant Approval:
Firm Name

Signature — Date

City of Grimes Staff Approval:
Signature — 6-22-23 Date

City of Grimes Council Approval: Council 6-27-23
Signature — Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/6/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	May 9, 2023	$ 11,742.93
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 11,742.93**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	March 14, 2023
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/6/2023

SNYDER & ASSOCIATES

IOWA | MISSOURI | NEBRASKA | SOUTH DAKOTA | WISCONSIN

INVOICE FOR PROFESSIONAL SERVICES

May 31, 2023

Matt Ahrens
City of Grimes
101 NE Harvey Street
Grimes, IA 50111

Invoice No: 123.0366.01 - 2

Finance Budget Code 371-210-3407

Project **123.0366.01** **E Gateway Drive & East 1st Street Intersection Impr**

Professional Services through April 30, 2023

	Hours	Rate	Amount	
Land Surveyor VIII	5.25	192.00	1,008.00	
Engineer VIII	25.00	192.00	4,800.00	
Engineer III	.25	137.00	34.25	
Engineer I	6.50	109.00	708.50	
Technician VII	8.25	120.00	990.00	
Technician VI	65.75	108.00	7,101.00	
Technician III	59.25	80.00	4,740.00	
Administrative II	1.00	75.00	75.00	
Total Services	171.25		19,456.75	
Total Services				**19,456.75**

Fleet Mileage **15.07**

Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	19,471.82	11,742.93	31,214.75	
Limit			165,400.00	
Remaining			134,185.25	
				$19,471.82

Amount Due this Invoice **$19,471.82**

Thank you. We appreciate the opportunity to serve you.

Accounts Receivable Inquiry: ar@snyder-associates.com

Project Manager: Jordan Stoermer

REMIT TO: **SNYDER & ASSOCIATES, INC.**
Mailing: PO Box 1159 | Ankeny, IA 50021
Physical: 2727 SW Snyder Blvd. | Ankeny IA 50023

p: 888-964-2020 | f: 515-964-7938
Federal E.I.N. 42-1379015
SNYDER-ASSOCIATES.COM

PROGRESS REPORT # 2 *Date:* 5/25/2023

To:	Matt Ahrens, P.E.	*Project Name:*	E Gateway Drive and E 1st Street Intersection Improvements
From:	John Haldeman, P.E.	*Finance Budget Code #:*	371-210-3407
S&A Project #:	123.0366.01	*Vender #:*	2031
Period:	4/1/23 - 4/30/23		

Dear Matt:

Enclosed is the second Invoice and Progress Report for the E Gateway Drive and E 1st Street Intersection Improvements project. Below are details of work completed for this period and anticipated work for the next period.

PRODUCTION:

Work During this Period Included:

1. Topographic and Boundary Survey.
2. Preliminary Design

Projected Work by Snyder & Associates for Next Period:

1. Complete Preliminary Design
2. Begin Final Design
3. Begin Franchise Utility Coordination

Projected Work by City Staff for Next Period:

1. Assist in U-STEP requests
2. Assist in Right-of-Way acquisitions

SCHEDULE:

Task on Project	*Target*	*Complete*
Notice to Proceed	March 14, 2023	March 14, 2023
Topographic and Boundary Survey	March 24, 2023	April 1, 2023
Design and Plans	July 18, 2023	
Bid Letting	August 15, 2023	
Construction	September 1, 2023	

BUDGET AND COMPLETION STATUS:

Task on Project	*Total Authorized*	*% Complete*	*Fee Invoiced*	*% Fee*
Basic Services	$165,400.00	25%	$31,200.00	18.86%
Additional Services	By Amendment			
Construction Services	By Amendment			
Total Project Budget:	$165,400.00	25%	$31,200.00	18.86%
Remaining Project Budget:	$134,200.00			

SPECIAL CONSIDERATIONS:

None at this time.

If you have any questions or comments regarding this invoice, please contact me at your convenience. Thank you.

Sincerely,

SNYDER & ASSOCIATES, INC.

Jordan Stoermer

Jordan Stoermer, PE
Project Manager

Enclosure

cc: Todd Knox, P.E., PTOE
John Haldeman, P.E.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: Phase 1A Water System Improvements
Contractor: McClure Engineering Company
Address: 1360 NW 121st Street, Clive, Iowa 50325
Finance Budget Code: 374-810-6407 ***Finance Project #***
Vendor Project or Invoice #: 145513-145603-145604-145606 ***PO #***
Original Contract Date: August 23, 2022 ***Vendor #*** 2830

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 10
PAYMENT PERIOD: From: April 30, 2023 Through: May 27, 2023

Contract Summary

Original Contract Amount:	$ 1,168,650.00			
Net change by Change Orders:	$ -			
Contract Amount to Date: (line 1 ± 2)		$ 1,168,650.00		
Total completed and stored to date:	$ 655,963.72			
Retainage: 5 % of Completed Work:				
Total Earned less Retainage:		$ 655,963.72		
Less previous applications for payment:		$ 579,144.89		
SUBTOTAL			$	76,818.83
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	76,818.83
Balance to finish, including retainage:		$ 512,686.28		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: McClure Engineering Company
Firm Name

Signature June 19, 2023
Date

City of Grimes Staff Approval:

Signature 6-21-23
Date

City of Grimes Council Approval:

Council 6-27-23
Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/19/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	September 27, 2022	$ 9,533.25
2	October 25, 2022	$ 69,899.99
3	November 22, 2022	$ 79,736.54
4	December 27, 2022	$ 42,120.02
5	January 24, 2023	$ 69,644.61
6	February 14, 2023	$ 79,545.35
7	March 28, 2023	$ 80,719.55
8	April 25, 2023	$ 102,195.11
9	May 23, 2023	$ 45,750.47
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 579,144.89**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	August 23, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/19/2023

1360 NW 121st Street
Clive, IA 50325

Matt Ahrens
City of Grimes, IA
101 Northeast Harvey Street
Grimes, IA 50111

May 31, 2023
Project No: 0000211186-040
Invoice No: 145513
Due Date: June 30, 2023

Project 0000211186-040 Grimes Phase 1A Water System Improvements Ground Storage Reservoir

Professional Services from April 30, 2023 to May 27, 2023

Phase 401 Preliminary Design Phase

	Hours	Rate	Amount	
Engineer II	.25	155.00	38.75	
Totals	.25		38.75	
Total Labor				**38.75**

Reimbursable Expenses

Mileage		88.03	
Total Reimbursables		**88.03**	**88.03**
	Total this Phase		**$126.78**

Phase 435 Geotechnical Engineering Coordination

	Hours	Rate	Amount	
Engineer II	.50	155.00	77.50	
Totals	.50		77.50	
Total Labor				**77.50**
		Total this Phase		**$77.50**

Phase 501 Final Design Phase

	Hours	Rate	Amount	
Engineer II	25.25	155.00	3,913.75	
Engineering Technician II	42.00	135.00	5,670.00	
Principal	13.00	270.00	3,510.00	
Project Manager III	43.50	230.00	10,005.00	
Totals	123.75		23,098.75	
Total Labor				**23,098.75**
		Total this Phase		**$23,098.75**

Phase 851 Project Administration

	Hours	Rate	Amount	
Project Coordinator	.75	135.00	101.25	
Totals	.75		101.25	
Total Labor				**101.25**
		Total this Phase		**$101.25**

	Current	Prior	To-Date	
Total Billings	23,404.28	195,474.40	218,878.68	
Contract Limit (not-to-exceed)			274,100.00	
Contract Limit Remaining			55,221.32	
		Total Due this Invoice		**$23,404.28**

1360 NW 121st Street
Clive, IA 50325

Matt Ahrens
City of Grimes, IA
101 Northeast Harvey Street
Grimes, IA 50111

May 31, 2023
Project No: 0000211186-030
Invoice No: 145603
Due Date: June 30, 2023

Project 0000211186-030 Grimes Phase 1A Water System Improvements N James Street Feeder Main

Professional Services from April 30, 2023 to May 27, 2023

Phase 124 Iowa DNR Water Supply Permitting

Reimbursable Expenses

Recording Fees	179.60	
Total Reimbursables	**179.60**	**179.60**

	Current	Prior	To-Date	
Total Billings	179.60	115.00	294.60	
Contract Limit (not-to-exceed)			5,000.00	
Contract Limit Remaining			4,705.40	
		Total this Phase		**$179.60**

Phase 501 Final Design Phase

	Hours	Rate	Amount	
Administrative Assistant	.50	85.00	42.50	
Project Manager I	1.25	185.00	231.25	
Engineer I	8.75	125.00	1,093.75	
Principal	10.50	270.00	2,835.00	
Engineering Technician III	22.00	155.00	3,410.00	
Project Manager III	28.50	230.00	6,555.00	
Totals	71.50		14,167.50	
Total Labor				**14,167.50**

	Current	Prior	To-Date	
Total Billings	14,167.50	35,052.52	49,220.02	
Contract Limit (not-to-exceed)			81,400.00	
Contract Limit Remaining			32,179.98	
		Total this Phase		**$14,167.50**

Phase 851 Project Administration

	Hours	Rate	Amount	
Project Manager III	2.50	230.00	575.00	
Project Coordinator	.75	135.00	101.25	
Totals	3.25		676.25	
Total Labor				**676.25**

Project	0000211186-030	Grimes Phase 1A N James St Feeder Main		Invoice	145603
		Current	**Prior**	**To-Date**	
Total Billings		676.25	3,482.50	4,158.75	
Contract Limit (not-to-exceed)				10,000.00	
Contract Limit Remaining				5,841.25	
			Total this Phase		**$676.25**
			Total Due this Invoice		**$15,023.35**

1360 NW 121st Street
Clive, IA 50325

Matt Ahrens
City of Grimes, IA
101 Northeast Harvey Street
Grimes, IA 50111

May 31, 2023
Project No: 0000211186-010
Invoice No: 145604
Due Date: June 30, 2023

Project 0000211186-010 Grimes Phase 1A Water System Improvements 19th Street Tower Interconnect Water Main

Professional Services from April 30, 2023 to May 27, 2023

Phase 100 Hydraulic Model Updates

	Hours	Rate	Amount	
Principal	4.00	270.00	1,080.00	
Engineering Technician III	.50	155.00	77.50	
Project Manager III	.50	230.00	115.00	
Engineer III	32.50	185.00	6,012.50	
Totals	37.50		7,285.00	
Total Labor				**7,285.00**
			Total this Phase	**$7,285.00**

Phase 124 Iowa DNR Water Supply Permitting

Reimbursable Expenses

Recording Fees		688.90	
Total Reimbursables		**688.90**	**688.90**

	Current	Prior	To-Date	
Total Billings	688.90	402.50	1,091.40	
Contract Limit (not-to-exceed)			5,000.00	
Contract Limit Remaining			3,908.60	
		Total this Phase		**$688.90**

Phase 501 Final Design Phase

	Hours	Rate	Amount	
Engineer I	2.50	125.00	312.50	
Principal	9.50	270.00	2,565.00	
Engineering Technician III	28.50	155.00	4,417.50	
Project Manager III	25.00	230.00	5,750.00	
Totals	65.50		13,045.00	
Total Labor				**13,045.00**

Reimbursable Expenses

Out-Of-Pocket Expenses		196.55	
Total Reimbursables		**196.55**	**196.55**

Project	0000211186-010	Grimes Phase 1A 19th St Water Main	Invoice	145604

	Current	Prior	To-Date	
Total Billings	13,241.55	24,668.90	37,910.45	
Contract Limit (not-to-exceed)			188,400.00	
Contract Limit Remaining			150,489.55	
		Total this Phase		**$13,241.55**

Phase 851 Project Administration

	Hours	Rate	Amount	
Project Manager III	3.00	230.00	690.00	
Project Coordinator	.75	135.00	101.25	
Totals	3.75		791.25	
Total Labor				**791.25**

	Current	Prior	To-Date	
Total Billings	791.25	6,941.25	7,732.50	
Contract Limit (not-to-exceed)			10,000.00	
Contract Limit Remaining			2,267.50	
		Total this Phase		**$791.25**
		Total Due this Invoice		**$22,006.70**

1360 NW 121st Street
Clive, IA 50325

Matt Ahrens
City of Grimes, IA
101 Northeast Harvey Street
Grimes, IA 50111

May 31, 2023
Project No: 0000211186-020
Invoice No: 145606
Due Date: June 30, 2023

Project 0000211186-020 Grimes Phase 1A Water System Improvements NW County Line Road Water Main

Professional Services from April 30, 2023 to May 27, 2023

Phase 124 Iowa DNR Water Supply Permitting

Reimbursable Expenses

Recording Fees	754.50	
Total Reimbursables	**754.50**	**754.50**

	Current	Prior	To-Date	
Total Billings	754.50	230.00	984.50	
Contract Limit (not-to-exceed)			5,000.00	
Contract Limit Remaining			4,015.50	
		Total this Phase		**$754.50**

Phase 501 Final Design Phase

	Hours	Rate	Amount	
Engineer I	7.25	125.00	906.25	
Engineer II	.50	155.00	77.50	
Principal	10.00	270.00	2,700.00	
Engineering Technician III	34.50	155.00	5,347.50	
Project Manager III	25.75	230.00	5,922.50	
Totals	78.00		14,953.75	
Total Labor				**14,953.75**

	Current	Prior	To-Date	
Total Billings	14,953.75	23,969.45	38,923.20	
Contract Limit (not-to-exceed)			168,350.00	
Contract Limit Remaining			129,426.80	
		Total this Phase		**$14,953.75**

Phase 851 Project Administration

	Hours	Rate	Amount	
Project Manager III	2.50	230.00	575.00	
Project Coordinator	.75	135.00	101.25	
Totals	3.25		676.25	
Total Labor				**676.25**

Project	0000211186-020	Grimes Phase 1A NW County Rd Water Main		Invoice	145606
		Current	**Prior**	**To-Date**	
Total Billings		676.25	4,608.75	5,285.00	
Contract Limit (not-to-exceed)				10,000.00	
Contract Limit Remaining				4,715.00	
			Total this Phase		**$676.25**
			Total Due this Invoice		**$16,384.50**

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	NE Destination Dr & NE Beaverbrooke Blvd Improvements		
Contractor:	Snyder & Associates, Inc.		
Address:	2727 Snyder Blvd., PO Box 1159, Ankeny Iowa 50023		
Finance Budget Code:	375-210-6407	***Finance Project #***	
Vendor Project or Invoice #:	122.1329.01	***PO #***	
Original Contract Date:	September 27, 2022	***Vendor #***	2031

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 8

PAYMENT PERIOD: From: April 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 298,400.00		
Net change by Change Orders:	$ -		
Contract Amount to Date: (line 1 ± 2)		$ 298,400.00	
Total completed and stored to date:	$ 156,991.25		
Retainage: 0 % of Completed Work:	$ -		
Total Earned less Retainage:		$ 156,991.25	
Less previous applications for payment:		$ 144,202.75	
SUBTOTAL			$ 12,788.50
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 12,788.50
Balance to finish, including retainage:		$ 141,408.75	
Contract Time Remaining (If applicable)	- Working Days		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Snyder & Associates, Inc.
Firm Name

Jordan Stoermer
Signature — 6/6/2023 Date

Engineer / Consultant Approval:
Firm Name

Signature — Date

City of Grimes Staff Approval:
Signature — 6-22-23 Date

City of Grimes Council Approval:
Council 6-27-23
Signature — Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/6/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	November 22, 2022	$ 7,817.88
2	December 13, 2022	$ 19,202.13
3	January 24, 2023	$ 13,411.00
4	February 14, 2023	$ 9,642.25
5	March 14, 2023	$ 44,746.25
6	April 11, 2023	$ 20,777.49
7	May 9, 2023	$ 28,605.75
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 144,202.75**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	September 27, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/6/2023

SNYDER & ASSOCIATES

IOWA | MISSOURI | NEBRASKA | SOUTH DAKOTA | WISCONSIN

INVOICE FOR PROFESSIONAL SERVICES

May 31, 2023

Matt Ahrens
City of Grimes
101 NE Harvey Street
Grimes, IA 50111

Invoice No: 122.1329.01 - 8

Finance Budget Code 375-210-6407

Email mahrens@grimesiowa.gov

Project **122.1329.01** **NE Destination DR & NE Beaverbrooke Blvd Improvements**

Professional Services through April 30, 2023

Basic Services

	Hours	Rate	Amount	
Principal Engineer II	.50	229.00	114.50	
Principal Engineer I	4.25	217.00	922.25	
Sr. Engineer	.25	198.00	49.50	
Engineer VIII	48.00	181.00	8,688.00	
Engineer V	12.50	152.00	1,900.00	
Engineer I	6.00	103.00	618.00	
Technician V	3.50	92.00	322.00	
Technician II	2.25	69.00	155.25	
Total Services	77.25		12,769.50	
Total Services				**12,769.50**

Fleet Mileage **19.00**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	12,788.50	144,202.75	156,991.25
Limit			298,400.00
Remaining			141,408.75

Phase Subtotal **$12,788.50**

Amount Due this Invoice **$12,788.50**

Thank you. We appreciate the opportunity to serve you.

Accounts Receivable Inquiry: ar@snyder-associates.com

Project Manager: Jordan Stoermer

PROGRESS REPORT # 8 *Date:* 5/25/2023

To:	Matt Ahrens, P.E.	*Project Name:*	NE Destination Dr & NE Beaverbrooke Blvd Improvements
From:	John Haldeman, P.E.	*Finance Budget Code #:*	375-210-6407
S&A Project #:	122.1329.01	*Vender #:*	2031
Period:	4/1/23 - 4/30/23		

Dear Matt:

Enclosed is the eighth Invoice and Progress Report for the NE Destination Dr & NE Beaverbrooke Blvd Improvements project. Below are details of work completed for this period and anticipated work for the next period.

PRODUCTION:

Work During this Period Included:

1. Working on Final Plans of the intersection.
2. Utility coordination with franchise utilities.
3.

Projected Work by Snyder & Associates for Next Period:

1. Meeting with Iowa DOT, S&A, and City on May 23rd provided funding guidance on the project. The intersection work
2. will remain separate from the north and south legs of Desintation. We will submit final plans and USTEP agreements to the DOT.

Projected Work by City Staff for Next Period:

1. Work with S&A on schedule, scope, fee to include the north half of Destination Drive into the project.
2. Assist in USTEP agreement applications.

SCHEDULE:

Task on Project	*Target*	*Complete*
Topographic and Boundary Survey	October 14, 2022	October 14, 2022
PMT Meeting # 1	November 4, 2022	October 18, 2022
Submit Plans to Iowa DOT for Review	November 11, 2022	October 28, 2022
Submit Preliminary Plans	January 27, 2023	January 27, 2023
PMT Meeting # 2	February 8, 2023	February 2, 2023
Public Information Meeting (if needed)	TBD	
Submit Check Plans	March 8, 2023	On hold (see comment below)
PMT Meeting # 3	March 22, 2023	On hold (see comment below)
Submit Final Plans	April 12, 2023	On hold (see comment below)
Bid Letting	May 17, 2023	On hold (see comment below)

BUDGET AND COMPLETION STATUS:

Task on Project	*Total Authorized*	*% Complete*	*Fee Invoiced*	*% Fee*
Basic Services	$298,400.00	55%	$158,500.00	53.12%
Construction Services - Phase 1	By Amendment			
Construction Services - Phase 2	By Amendment			
Total Project Budget:	$298,400.00	55%	$158,500.00	53.12%
Remaining Project Budget:	$139,900.00			

SPECIAL CONSIDERATIONS:

Final plans and U-STEP agreements will be finalized in the coming months and the intersection of Beaverbrooke and IA 141 will be sent out for bids. The north and south legs of Destination will be packaged as one project and send out for bids later this year for 2024 construction.

If you have any questions or comments regarding this invoice, please contact me at your convenience. Thank you.

Sincerely,

SNYDER & ASSOCIATES, INC.

Jordan Stoermer, PE
Project Manager

Enclosure

cc: Todd Knox, P.E., PTOE
John Haldeman, P.E.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	HIGHWAY 44 & SW COUNTY LINE ROAD INTERSECTION IMPROVEMENTS		
Contractor:	Bolton & Menk, Inc.		
Address:	430 E Grand Ave, Suite 101 Des Moines, IA 50309		
Finance Budget Code:	334-210-6407	***Finance Project #***	
Vendor Project or Invoice #:	303917	***PO #***	
Original Contract Date:	October 22, 2019	***Vendor #***	2820

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 38

PAYMENT PERIOD: From: April 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 286,000.00			
Net change by Change Orders:	$ 174,195.00			
Contract Amount to Date: (line 1 ± 2)		$ 460,195.00		
Total completed and stored to date:	$ 345,474.80			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 345,474.80		
Less previous applications for payment:		$ 341,085.30		
SUBTOTAL			$	4,389.50
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	4,389.50
Balance to finish, including retainage:		$ 114,720.20		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: Bolton & Menk, Inc.

Firm Name

Signature 6/5/2023

Date

City of Grimes Staff Approval:

Signature 6-21-23

Date

City of Grimes Council Approval: Council 6-27-23

Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount	BMI Invoice #
1	January 14, 2020	$ 1,730.00	0242868
2	February 11, 2020	$ 6,434.90	0244361
3	April 14, 2020	$ 1,627.00	0245964
4	April 14, 2020	$ 2,195.00	0246888
5	June 9, 2020	$ 7,097.50	0249839
6	July 14, 2020	$ 6,792.50	0251444
7	August 11, 2020	$ 11,325.00	0253004
8	September 8, 2020	$ 17,430.00	0254565
9	October 13, 2020	$ 4,815.00	0255930
10	November 10, 2020	$ 1,022.50	0257659
11	December 8, 2020	$ 2,969.50	0259408
12	January 12, 2021	$ 4,537.00	0260929
13	February 9, 2021	$ 2,785.00	0262389
14	March 9, 2021	$ 10,517.00	0263856
15	April 13, 2021	$ 10,831.50	0265171
16	May 11, 2021	$ 5,594.00	0266601
17	June 8, 2021	$ 30,291.00	0268401
18	July 13, 2021	$ 21,853.00	0269818
19	August 10, 2021	$ 10,243.50	0271701
20	September 28, 2021	$ 24,038.50	0273218
21	October 12, 2021	$ 19,020.20	0274927
22	November 9, 2021	$ 30,974.50	0277027
23	January 25, 2022	$ 24,122.70	65, 280133, 28
24	February 22, 2022	$ 7,235.00	
25	March 22, 2022	$ 8,550.50	0284263
26	April 26,2022	$ 11,792.50	0285839
27	May 10, 2022	$ 8,502.50	0287614
28	June 14, 2022	$ 3,309.00	290356
29	August 9, 2022	$ 4,483.50	0291348
30	October 11, 2022	$ 7,675.00	0299860
31	November 8, 2022	$ 5,306.00	299860
32	December 13, 2022	$ 2,844.00	301994
33	January 24, 2023	$ 4,600.00	0303917
34	February 28, 2023	$ 3,624.00	0305016
35	March 28, 2023	$ 7,702.00	07726 & 02930

Previous Applications for Payment

No.	Date	Amount	BMI Invoice #
36	April 25, 2023	$ 1,507.00	309565
37	May 23, 2023	$ 5,707.50	310563
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			

TOTAL **$ 341,085.30**

Record of Change Orders

No.	Date	Amount
1	May 11, 2021	$ 174,195.00
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 174,195.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	October 22, 2019
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/5/2023

BOLTON & MENK
Real People. Real Solutions.

Please Remit To: Bolton & Menk, Inc.
1960 Premier Drive | Mankato, MN 56001-5900
507-625-4171 | 507-625-4177 (fax)
Payment by Credit Card Available Online at www.Bolton-Menk.com
To Ensure Proper Credit, Provide Invoice Numbers with Payment

City of Grimes
101 NE Harvey Street
Grimes, IA 50111

May 25, 2023
Project No: A13.120005
Invoice No: 0312823
Client Account: GRIMES_CI_IA

Grimes/Highway 44 & SW Co Line Road

Highway 44 & SW County Line Road Intersection Improvements

Construction Services (002)

Professional Services

	Hours	Amount	
Principal	14.50	2,436.00	
Design Engineer	3.00	405.00	
Project Engineer	9.50	1,548.50	
Totals	27.00	4,389.50	
Total Labor			**4,389.50**
		Total this Task	**$4,389.50**
		Total this Invoice	**$4,389.50**

Bolton & Menk, Inc. is an equal opportunity employer and federal contractor or subcontractor. Consequently, the parties agree that, as applicable, they will abide by the requirements of 41 CFR 60-1.4(a), 41 CFR 60-300.5(a) and 41 CFR 60-741.5(a) and that these laws are incorporated herein by reference. These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. These regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability. The parties also agree that, as applicable, they will abide by the requirements of Executive Order 13496 (29 CFR Part 471, Appendix A to Subpart A), relating to the notice of employee rights under federal labor laws.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	SE 11th Street & S James St		
Contractor:	Foth Infrastructure & Environment, LLC		
Address:	8191 Birchwood Court, Suite L, Johnston, IA 50131		
Finance Budget Code:	369-210-6407	***Finance Project #***	
Vendor Project or Invoice #:	22G020.01	***PO #***	
Original Contract Date:	June 28, 2022	***Vendor #***	2972

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 8

PAYMENT PERIOD: From: April 1, 2023 Through: April 30, 2023

Contract Summary

Original Contract Amount:	$ 793,500.00			
Net change by Change Orders:	$ -			
Contract Amount to Date: (line 1 ± 2)		$ 793,500.00		
Total completed and stored to date:	$ 653,676.29			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 653,676.29		
Less previous applications for payment:		$ 556,679.90		
SUBTOTAL			$	96,996.39
OTHER CHARGES (Attach an itemized list)				
CURRENT PAYMENT DUE			$	96,996.39
Balance to finish, including retainage:		$ 139,823.71		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval:

Firm Name

Signature Date

Engineer / Consultant Approval: Foth Infrastructure & Environment, LLC

Firm Name

Signature 5/25/2023

Date

City of Grimes Staff Approval:

Signature 6-21-23

Date

City of Grimes Council Approval: Council 6-27-23

Signature Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 5/22/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	October 11, 2022	$ 49,535.72
2	November 8, 2022	$ 63,095.74
3	December 13, 2022	$ 41,561.07
4	January 10, 2023	$ 65,878.59
5	March 14, 2023	$ 170,495.20
6	April 18, 2023	$ 73,807.58
7	May 9, 2023	$ 92,306.00
8	June 13, 2023	
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 556,679.90**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	June 28, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 5/22/2023

Invoice

REMIT TO: Foth Infrastructure & Environment,LLC
P.O. Box 8418
Carol Stream, IL 60197-8418

NOTE: Communications concerning disputed debts, including an instrument tendered as full satisfaction of a disputed debt, are to be sent to Foth Infrastructure & Environment, LLC treasurer, 2121 Innovation Court, Suite 100, P.O. Box 5095, De Pere, WI 54115-5095

May 22, 2023
Project No: 0022G020.01
Invoice No: 83936

City of Grimes
City Hall
101 NE Harvey Street
Grimes, IA 50111

Invoice Total USD 96,996.39

Project 0022G020.01 SE 11th Street & S James St
Finance Budget Code: 369-210-6407

Professional Services through April 30, 2023

Professional Personnel

	Hours	Rate	Amount	
Project Manager III	3.50	216.00	756.00	
Project Engineer V	15.00	216.00	3,240.00	
Project Engineer IV	183.00	190.00	34,770.00	
Project Engineer II	35.00	166.00	5,810.00	
Project Engineer I	148.00	154.00	22,792.00	
Staff Engineer II	81.00	137.00	11,097.00	
Staff Engineer I	33.00	127.00	4,191.00	
Technician VIII	17.50	165.00	2,887.50	
Technician VI	23.00	145.00	3,335.00	
Technician II	61.50	105.00	6,457.50	
Land Surveyor IV	8.00	190.00	1,520.00	
Project Administrator II	1.00	102.00	102.00	
Totals	609.50		96,958.00	
Total Labor				**96,958.00**

Expenses **38.39**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	96,996.39	556,679.90	653,676.29
Limit			793,500.00
Remaining			139,823.71

Total This Invoice **USD 96,996.39**

WHITFIELD & EDDY LAW

699 Walnut Street, Suite 2000
Des Moines, IA 50309
Telephone: 515-288-6041
Federal ID. No 42-0643980

June 22, 2023

City of Grimes, Iowa
101 N. Harvey St.
Grimes, IA 50111

RE: Firefighters Union Matters

Enclosed please find our Invoice 316498 for professional services rendered through May 31, 2023.

Should you have any questions concerning the attached invoice, please do not hesitate to contact us. Your prompt payment would be greatly appreciated.

Sincerely,

Thomas Henderson

WHITFIELD & EDDY LAW

699 Walnut Street, Suite 2000
Des Moines, IA 50309
Telephone: 515-288-6041
Federal ID. No 42-0643980

June 22, 2023

City of Grimes, Iowa
101 N. Harvey St.
Grimes, IA 50111

Invoice:	316498
Client:	176170
Matter:	0009
Billing Attorney:	TIH

INVOICE SUMMARY

For Professional Services Rendered through May 31, 2023

RE: Firefighters Union Matters

Total Professional Services	$ 5,616.50
Total Costs	$ .00
TOTAL CURRENT INVOICE	**$ 5,616.50**

RESOLUTION NO. 06-2223 APPROVING PUBLIC IMPROVEMENT PAY REQUESTS

WHEREAS, The Grimes City Council entered into construction contracts for the construction of certain public improvements;

WHEREAS, the contractor for each project shall submit progress payment requests;

WHEREAS, the engineering firm overseeing the project along with the City Engineer review the pay requests and submit them for payment;

WHEREAS, the attached pay requests have been reviewed and have been determined to be due and payable to the contractor.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa, recommend payment of the attached pay requests.

PASSED AND APPROVED this 27th Day of June 2023

By: _____
Scott Mikkelsen, Mayor

ATTEST:

By: _____
Rochelle Williams, City Clerk

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: WRA Grimes Connector - Contract 1
Contractor: S.J. Louis Construction, Inc.
Address: 1351 Broadway Street W., Rockville, MN 56369-0459
Finance Budget Code: 328-815-6499 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: December 14, 2021 **Vendor #** 4257

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 15
PAYMENT PERIOD: From: April 28, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 12,675,000.00		
Net change by Change Orders:	$ 192,229.94		
Contract Amount to Date: (line 1 ± 2)		$ 12,867,229.94	
Total completed and stored to date:	$ 12,845,477.68		
Retainage: 5 % of Completed Work:	$ 642,273.88		
Total Earned less Retainage:		$ 12,203,203.80	
Less previous applications for payment:		$ 11,595,080.52	
SUBTOTAL			$ 608,123.28
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 608,123.28
Balance to finish, including retainage:		$ 664,026.14	
Contract Time Remaining (If applicable)	1.00 Working Days		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: S.J. Louis Construction, Inc.
Firm Name
Signature
6/5/2023
Date

Engineer / Consultant Approval: Veenstra & Kimm,Inc.
Firm Name
Signature
6-5-2023
Date

City of Grimes Staff Approval:
Signature
6-7-23
Date

City of Grimes Council Approval:
Council 6-13-23
Signature
Date

Submit to: Matt Ahrens, P.E. - City Engineer - Engineering Department
E-mail: mahrens@grimesiowa.gov *Phone:* (515) 986-4050 *Fax:* (515) 986-4480

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
1	60" Sanitary in Open Cut	LF	1,744.00		1,744.00	$ 660.25	$ 1,151,476.00	1,744.00	$ 1,151,476.00	-	100.00%
2	54" Sanitary in Open Cut	LF	9,729.00		9,729.00	$ 679.75	$ 6,613,287.75	9,729.00	$ 6,613,287.75	-	100.00%
3	48" Sanitary in Open Cut	LF	55.00		55.00	$ 1,200.00	$ 66,000.00	65.00	$ 78,000.00	(10.00)	118.18%
4	36" Sanitary in Open Cut	LF	33.00		33.00	$ 1,400.00	$ 46,200.00	33.00	$ 46,200.00	-	100.00%
5	36" DI Sanitary Sewer in Open Cut	LF	30.00		30.00	$ 1,500.00	$ 45,000.00	30.00	$ 45,000.00	-	100.00%
6	24" DI Sanitary Sewer in Open Cut	LF	20.00		20.00	$ 1,252.00	$ 25,040.00	20.00	$ 25,040.00	-	100.00%
7	8" DI Sanitary Sewer in Open Cut	LF	20.00		20.00	$ 900.00	$ 18,000.00	20.00	$ 18,000.00	-	100.00%
8	54" Sanitary Tunneled	LF	656.00		656.00	$ 2,200.00	$ 1,443,200.00	669.00	$ 1,471,800.00	(13.00)	101.98%
9	Manhole - 120"	EA	1.00	(1.00)	-	$ 1.00	$ -		$ -	-	0.00%
10	Manhole - 96"	EA	4.00	(2.00)	2.00	$50,000.00	$ 100,000.00	2.00	$ 100,000.00	-	100.00%
11	Manhole - 84"	EA	35.00	(29.00)	6.00	$33,510.00	$ 201,060.00	7.00	$ 234,570.00	(1.00)	116.67%
12	Storm Sewer - 48" RCP	LF	30.00		30.00	$ 800.00	$ 24,000.00	30.00	$ 24,000.00	-	100.00%
13	Storm Sewer - 24" RCP	LF	60.00		60.00	$ 250.00	$ 15,000.00	30.00	$ 7,500.00	30.00	50.00%
14	Storm Sewer - 18" RCP	LF	90.00		90.00	$ 180.00	$ 16,200.00	118.00	$ 21,240.00	(28.00)	131.11%
15	Storm Sewer - 15" RCP	LF	30.00		30.00	$ 150.00	$ 4,500.00	62.00	$ 9,300.00	(32.00)	206.67%
16	Storm Sewer - 12" RCP	LF	30.00		30.00	$ 105.00	$ 3,150.00	32.00	$ 3,360.00	(2.00)	106.67%
17	6" Tile with Sock	LF	18,900.00		18,900.00	$ 19.00	$ 359,100.00	22,900.00	$ 435,100.00	(4,000.00)	121.16%
18	6" PCC Trail	SY	8,148.00		8,148.00	$ 65.00	$ 529,620.00	7,120.00	$ 462,800.00	1,028.00	87.38%
19	Granular Surfacing	SY	362.00		362.00	$ 25.00	$ 9,050.00	268.00	$ 6,700.00	94.00	74.03%
20	Steel Sheeting	SF	7,900.00		7,900.00	$ 35.00	$ 276,500.00	7,900.00	$ 276,500.00	-	100.00%
21	Rip-Rap	TON	1,350.00		1,350.00	$ 70.00	$ 94,500.00	1,227.09	$ 85,896.30	122.91	90.90%
22	Stabilizing Material	TON	200.00		200.00	$ 44.85	$ 8,970.00	866.23	$ 38,850.42	(666.23)	433.12%
23	Erosion Control	LS	1.00		1.00	$100,000.00	$ 100,000.00	90.0%	$ 90,000.00	10.0%	90.00%
24	Seeding	ACRE	25.00		25.00	$ 2,500.00	$ 62,500.00	16.50	$ 41,250.00	8.50	66.00%
25	Clearing and Grubbing	LS	1.00		1.00	$150,000.00	$ 150,000.00	100.0%	$ 150,000.00	0.0%	100.00%
26	Traffic Control	LS	1.00		1.00	$20,000.00	$ 20,000.00	90.0%	$ 18,000.00	10.0%	90.00%
27	54" Base FRP Manholes	EA	27.00	(2.00)	25.00	$40,000.00	$ 1,000,000.00	25.00	$ 1,000,000.00	-	100.00%
28	60" Base FRP Manholes	EA	5.00		5.00	$39,000.00	$ 195,000.00	4.00	$ 156,000.00	1.00	80.00%
29	Remove Trees Brookview	LS		1.00	1.00	$ 2,200.00	$ 2,200.00	1.00	$ 2,200.00	-	100.00%
30	Aurora Rock Obstruction	LS		1.00	1.00	$17,763.77	$ 17,763.77	1.00	$ 17,763.77	-	100.00%
31	Intake Remove and Replace Station 15+65 Left	LS		1.00	1.00	$ 5,885.00	$ 5,885.00	2.00	$ 11,770.00	(1.00)	200.00%
32	Remove and Replace Sewer Line and Cleanout	LS		1.00	1.00	$ 5,250.00	$ 5,250.00	1.00	$ 5,250.00	-	100.00%
33	Manhole 22 Fiberglass Riser (Non Returnable)	LS		1.00	1.00	$ 9,368.70	$ 9,368.70	1.00	$ 9,368.70	-	100.00%
34	Manhole Change Surcharge	LS		1.00	1.00	$ 6,925.00	$ 6,925.00	1.00	$ 6,925.00	-	100.00%
35	Invert Adjustment Additional Cost	LS		1.00	1.00	$59,619.91	$ 59,619.91		$ -	1.00	0.00%
36	Meredith Tunnel Lowering Costs	LS		1.00	1.00	$16,318.19	$ 16,318.19	1.00	$ 16,318.19	-	100.00%
37	Additional Mobilizations - Meredith Drive Crossing	LS		2.00	2.00	$25,000.00	$ 50,000.00	2.00	$ 50,000.00	-	100.00%
38	Meredith Utilility Exploration	LS		1.00	1.00	$25,663.70	$ 25,663.70	1.00	$ 25,663.70	-	100.00%
39	156th Steet Rock Obstruction	LS		1.00	1.00	$19,704.19	$ 19,704.19	1.00	$ 19,704.19	-	100.00%
40	Brookview Drive Rock Obstruction	LS		1.00	1.00	$34,281.53	$ 34,281.53	1.00	$ 34,281.53	-	100.00%
41	Grubbing, Grade, and Restore 156th & Brookview	LS		1.00	1.00	$ 2,136.25	$ 2,136.25	0.75	$ 1,602.19	0.25	75.00%
42	Meredith Drive Rock Obstruction	LS		1.00	1.00	$34,759.95	$ 34,759.95	1.00	$ 34,759.95	-	100.00%
					-		$ -		$ -	-	0.00%
					-		$ -		$ -	-	0.00%
	Stored Materials								$ -		0.00%
	LFM MH #35	EA			-	$ 9,574.00	$ -		$ -		0.00%
	LFM MH #39	EA			-	$ 9,574.00	$ -		$ -		0.00%
	LFM MH #40	EA			-	$12,017.00	$ -		$ -		0.00%
	LFM MH #41	EA			-	$12,017.00	$ -		$ -		0.00%
	LFM MH #43	EA			-	$ 9,401.00	$ -		$ -		0.00%
	LFM MH #44	EA			-	$ 9,401.00	$ -		$ -		0.00%
	2" PVC Grout Bushing	EA			-	$ 200.00	$ -		$ -		0.00%
	6" Draintile	LF			-	$ 2.40	$ -		$ -		0.00%
	24" A-2000 Sanitary pipe	LF			-	$ 93.05	$ -		$ -		0.00%
	24" Hymax Coupler	EA			-	$ 2,771.50	$ -		$ -		0.00%
	Sheet piling	SF			-	$ 19.41	$ -		$ -		0.00%
	54" Base FRP Manholes 2 miter	EA				$13,117.00	$ -		$ -		0.00%
	54" Sanitary Pipe	LF			-	$ 238.00	$ -		$ -		0.00%
	48" Sanitary Pipe	LF			-	$ 200.00	$ -		$ -		0.00%
	54" Sanitary Pipe	LF			-	$ 238.00	$ -		$ -		0.00%
	54" Base FRP Manholes 1 miter	EA				$11,255.00	$ -		$ -		0.00%
	54" Base FRP Manholes 2 miter	EA			-	$13,117.00	$ -		$ -		0.00%
	54" Coupling Elbow 1 miter	EA				$ 5,905.00	$ -	-	$ -		0.00%
	54" Coupling Elbow 2 miter	EA			-	$ 7,483.00	$ -		$ -		0.00%
	48" Coupling Elbow 1 miter	EA				$ 4,685.00			$ -		0.00%
	48" Coupling Elbow 2 miter	EA				$ 6,255.00			$ -		0.00%
	24" Ductile Iron Pipe CL52	LF				$ 216.84			$ -		0.00%
	Manhole 29	EA				$14,948.25		-	$ -		0.00%
	Manhole 33	EA				$ 13,136.75		-	$ -		0.00%
	36" Sanitary Pipe	LF				$ 133.00			$ -		0.00%
											0.00%
											0.00%
											0.00%
											0.00%
TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE							$ 12,867,229.94		$ 12,845,477.68		99.83%

Date printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	March 8, 2022	$ 97,850.00
2	April 12, 2022	$ 76,000.00
3	June 28, 2022	$ 319,396.14
4	July 12, 2022	$1,149,935.40
5	August 9, 2022	$1,356,953.99
6	September 13, 2022	$1,721,837.63
7	October 11, 2022	$1,680,563.57
8	November 15, 2022	$ 828,385.59
9	December 13, 2022	$1,143,666.61
10	January 10, 2023	$ 819,078.72
11	February 14, 2023	$ 546,778.32
12	March 14, 2023	$ 680,294.31
13	April 11, 2023	$ 572,937.88
14	May 9, 2023	$ 601,402.36
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 11,595,080.52**

Record of Change Orders

No.	Date	Amount
1	March 22, 2022	$ (84,666.25)
2	January 24, 2023	$ 276,896.19
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 192,229.94**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	December 14, 2021
Original Contract Time:	534.00
Added by Change Order:	
Contract Time to Date:	534.00
Time Used to Date:	533.00
Contract Time Remaining:	**1.00**

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: SE Trail Ridge Road Reconstruction
Contractor: Sternquist Construction, Inc.
Address: 110 N. 14th Street, Indianola, IA 50125
Finance Budget Code: 376-210-6499 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: March 14, 2023 ***Vendor #*** 4488

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 1
PAYMENT PERIOD: From: May 1, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 1,445,265.55		
Net change by Change Orders:	$ 10,108.98		
Contract Amount to Date: (line 1 ± 2)		$ 1,455,374.53	
Total completed and stored to date:	$ 242,982.94		
Retainage: 5 % of Completed Work:	$ 12,149.15		
Total Earned less Retainage:		$ 230,833.79	
Less previous applications for payment:		$ -	
SUBTOTAL			$ 230,833.79
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 230,833.79
Balance to finish, including retainage:		$ 1,224,540.74	
Contract Time Remaining (If applicable)	86.00 WORKING DAYS		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Sternquist Construction, Inc.
Firm Name

Signature 5-31-23 Date

Engineer / Consultant Approval:
Firm Name

Signature Date

City of Grimes Staff Approval:

Signature 05-31-23 Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 5/31/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	VALUE OF STORED MATERIALS REMAINING	TOTAL COMPLETED WORK AND STORED MATERIALS	REMAINING QUANTITY	PERCENT COMPLETE
1	Clearing and Grubbing	LS	1		1	$24,274.00	$ 24,274.00	1.00	$ 24,274.00	$ -	$ 24,274.00	-	100.00%
2	Topsoil, On-site, Compost-amended	CY	1,149		1,149	$ 79.50	$ 91,345.50	100.00	$ 7,950.00	$ -	$ 7,950.00	1,049	8.70%
3	Excavation, Class 10	CY	1,275		1,275	$ 37.10	$ 47,302.50	400.00	$ 14,840.00	$ -	$ 14,840.00	875	31.37%
4	Subgrade Preparation, 6in Thickness	SY	8,343		8,343	$ 3.20	$ 26,697.60	-	$ -	$ -	$ -	8,343	0.00%
5	Subbase, Granular, 6in Thickness	SY	8,343		8,343	$ 15.90	$ 132,653.70	-	$ -	$ -	$ -	8,343	0.00%
6	Compaction Testing, Mosture & Density Control	LS	1		1	$ 3,710.00	$ 3,710.00	-	$ -	$ -	$ -	1	0.00%
7	Below Grade Excavation (Core Out)	CY	835		835	$ 79.50	$ 66,382.50	-	$ -	$ -	$ -	835	0.00%
8	Trench Compaction Testing	LS	1		1	$ 1,590.00	$ 1,590.00	0.33	$ 524.70	$ -	$ 524.70	1	33.00%
9	Storm Sewer, Trenched, RCP, 15in	LF	1,022		1,022	$ 51.00	$ 52,122.00	598.00	$ 30,498.00	$ -	$ 30,498.00	424	58.51%
10	Storm Sewer, Trenched, RCP, 18in	LF	171		171	$ 56.20	$ 9,610.20	7.00	$ 393.40	$ -	$ 393.40	164	4.09%
11	Storm Sewer, Trenched, RCP, 24in	LF	38		38	$ 91.15	$ 3,463.70	-	$ -	$ -	$ -	38	0.00%
12	Removal of Storm Sewer, Less than 36in	LF	71		71	$ 79.50	$ 5,644.50	33.00	$ 2,623.50	$ -	$ 2,623.50	38	46.48%
13	Pipe Apron, Concrete, 15in	EA	1		1	$ 4,240.00	$ 4,240.00	-	$ -	$ -	$ -	1	0.00%
14	Connect to Existing Storm Sewer	EA	5		5	$ 4,028.00	$ 20,140.00	1.00	$ 4,028.00	$ -	$ 4,028.00	4	20.00%
15	Valve Box Adjustment	EA	19		19	$ 1,325.00	$ 25,175.00	-	$ -	$ -	$ -	19	0.00%
16	Water Main Removal	LF	210		210	$ 21.20	$ 4,452.00	61.00	$ 1,293.20	$ -	$ 1,293.20	149	29.05%
17	Lower Water Service, 1" Copper	LF	100		100	$ 132.50	$ 13,250.00	-	$ -	$ -	$ -	100	0.00%
18	Intake, SW-501	EA	9		9	$ 4,452.00	$ 40,068.00	4.00	$ 17,808.00	$ -	$ 17,808.00	5	44.44%
19	Intake, SW-505	EA	6		6	$ 6,466.00	$ 38,796.00	2.00	$ 12,932.00	$ -	$ 12,932.00	4	33.33%
20	Intake, SW-401, 48 in	EA	4		4	$ 5,618.00	$ 22,472.00	2.00	$ 11,236.00	$ -	$ 11,236.00	2	50.00%
21	Intake, SW-401, 72 in	EA	1		1	$ 7,632.00	$ 7,632.00	-	$ -	$ -	$ -	1	0.00%
22	Manhole Adjustment, Minor	EA	7		7	$ 2,226.00	$ 15,582.00	4.00	$ 8,904.00	$ -	$ 8,904.00	3	57.14%
23	Remove Intake	EA	2		2	$ 2,120.00	$ 4,240.00	2.00	$ 4,240.00	$ -	$ 4,240.00	-	100.00%
24	Pavement, PCC, 7in Thickness	SY	7,389		7,389	$ 64.00	$ 472,896.00	-	$ -	$ -	$ -	7,389	0.00%
25	PCC Pavement Samples and Testing	LS	1		1	$ 3,950.00	$ 3,950.00	-	$ -	$ -	$ -	1	0.00%
26	Removal of Sidewalk	SY	445		445	$ 12.75	$ 5,673.75	105.33	$ 1,342.96	$ -	$ 1,342.96	340	23.67%
27	Removal of Driveway	SY	532		532	$ 12.75	$ 6,783.00	150.00	$ 1,912.50	$ -	$ 1,912.50	382	28.20%
28	Sidewalk, PCC, 4in Thickness	SY	362		362	$ 42.40	$ 15,348.80	-	$ -	$ -	$ -	362	0.00%
29	Sidewalk, PCC, 6in Thickness	SY	119		119	$ 58.30	$ 6,937.70	-	$ -	$ -	$ -	119	0.00%
30	Dectectable Warning	SF	176		176	$ 58.30	$ 10,260.80	-	$ -	$ -	$ -	176	0.00%
31	Driveway, Paved PCC, 6in Thickness	SY	590		590	$ 63.60	$ 37,524.00	-	$ -	$ -	$ -	590	0.00%
32	Sidewalk Assurance Testing	LS	1		1	$ 1,600.00	$ 1,600.00	-	$ -	$ -	$ -	1	0.00%
33	Pavement Removal	SY	7,892		7,892	$ 9.60	$ 75,763.20	3,000.00	$ 28,800.00	$ -	$ 28,800.00	4,892	38.01%
34	Temporary Traffic Control	LS	1		1	$19,610.00	$ 19,610.00	0.50	$ 9,805.00	$ -	$ 9,805.00	1	50.00%
35	Hydraulic Seeding, Seeding, Fertilizing, and Mulching (BFM) Type 1	AC	0.82		0.82	$ 5,609.76	$ 4,600.00	-	$ -	$ -	$ -	1	0.00%
36	Hydraulic Mulching, Temporary	AC	0.82		0.82	$ 3,180.00	$ 2,607.60	-	$ -	$ -	$ -	1	0.00%
37	Intake Protection Device, Installation & Removal	EA	17		17.00	$ 153.75	$ 2,613.75	-	$ -	$ -	$ -	17.00	0.00%
38	Intake Protection Devie, Maintenance	EA	17		17.00	$ 26.50	$ 450.50	-	$ -	$ -	$ -	17.00	0.00%
39	Rip Rap, Erosion Stone	TON	46		46	$ 106.00	$ 4,876.00	-	$ -	$ -	$ -	46	0.00%
40	Wattle, Installation	LF	3,845		3,845	$ 2.15	$ 8,266.75	-	$ -	$ -	$ -	3,845	0.00%
41	Wattle, Removal	:F	3,845		3,845	$ 0.40	$ 1,538.00	-	$ -	$ -	$ -	3,845	0.00%
42	Stormwater Pollution Prevention Plan (SWPPP) Preparation	LS	1		1	$ 1,590.00	$ 1,590.00	1.00	$ 1,590.00	$ -	$ 1,590.00	-	100.00%
43	Stormwater Pollution Prevention Plan (SWPPP) Management	LS	1		1	$ 4,770.00	$ 4,770.00	0.12	$ 572.40	$ -	$ 572.40	1	12.00%
44	Mobilization	LS	1		1	$71,575.00	$ 71,575.00	0.50	$ 35,787.50	$ -	$ 35,787.50	1	50.00%
45	Concrete Washout	LS	1		1	$ 3,850.00	$ 3,850.00	-	$ -	$ -	$ -	1	0.00%
46	Removal & Salvage Sign To Owner	EA	10		10	$ 153.75	$ 1,537.50	2.00	$ 307.50	$ -	$ 307.50	8	20.00%
47	Remove, Slavage & Reinstall Mailbox	EA	30		30	$ 238.50	$ 7,155.00	30.00	$ 7,155.00	$ -	$ 7,155.00	-	100.00%
48	Maintence of Postal Services	LS	1		1	$ 4,030.00	$ 4,030.00	0.75	$ 3,022.50	$ -	$ 3,022.50	-	75.00%
49	Maintence of Solid Waste Collection	LS	1		1	$ 8,615.00	$ 8,615.00	0.12	$ 1,033.80	$ -	$ 1,033.80	1	12.00%
	Change Order Item												
1	Additional Tree for Removal	LS		1.00	1	$ 2,420.00	$ 2,420.00	1.00	$ 2,420.00	$ -	$ 2,420.00	-	100.00%
2	Potholing Existing Utilities Prior to Start Date	LS		1.00	1	$ 4,812.50	$ 4,812.50	1.00	$ 4,812.50	$ -	$ 4,812.50	-	100.00%
3	Additional Traffic Control	LS		1.00	1	$ 2,876.48	$ 2,876.48	1.00	$ 2,876.48	$ -	$ 2,876.48	-	100.00%
4					-		$ -	-	$ -			-	0.00%
5					-		$ -	-	$ -			-	0.00%
6					-		$ -	-	$ -			-	0.00%
7					-		$ -	-	$ -			-	0.00%
8					-		$ -	-	$ -			-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE	$ 1,455,374.53	$ 242,982.94	$ 242,982.94	16.70%

Date printed: 5/31/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ -**

Record of Change Orders

No.	Date	Amount
1	April 25, 2023	$ 2,420.00
2	May 23, 2023	$ 7,688.98
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 10,108.98**

Please update Payment Application Sheet

Contract Time Remaining

Contract Period:	WORKING DAYS
Original Contract Date:	March 14, 2023
Original Contract Time:	100.00
Added by Change Order:	-
Contract Time to Date:	100.00
Time Used to Date:	14.00
Contract Time Remaining:	**86.00**

Date Printed: 5/31/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

GRIMES

Project Title:	SE Jacob Street Reconstruction and Storm Sewer		
Contractor:	Halbrook Excavating		
Address:	4807 SE Rio Ct, Ankeny, IA 50021		
Finance Budget Code:	366-210-6499	***Finance Project #***	
Vendor Project or Invoice #:		***PO #***	
Original Contract Date:	May 10, 2022	***Vendor #***	4120

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 7

PAYMENT PERIOD: From: April 28, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 1,545,000.00		
Net change by Change Orders:	$ 21,240.00		
Contract Amount to Date: (line 1 ± 2)		$ 1,566,240.00	
Total completed and stored to date:	$ 1,148,535.00		
Retainage: 5 % of Completed Work:	$ 57,426.75		
Total Earned less Retainage:		$ 1,091,108.25	
Less previous applications for payment:		$ 837,534.25	
SUBTOTAL			$ 253,574.00
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 253,574.00
Balance to finish, including retainage:		$ 475,131.75	
Contract Time Remaining (If applicable)	(44.50) Working Days		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Halbrook Excavating
Firm Name

Signature — Date: 6/1/2023

Engineer / Consultant Approval: MSA Professional Services, Inc.
Firm Name

Nicholle Jungren
Signature — Date: May 31, 2023

City of Grimes Staff Approval:
Signature — Date: 6-7-23

City of Grimes Council Approval: Council 6-13-23
Signature — Date

Submit to: Matt Ahrens, P.E. - City Engineer - Engineering Department
E-mail: mahrens@grimesiowa.gov *Phone:* (515) 986-4050 *Fax:* (515) 986-4480

Date Printed: 6/1/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
2.01	Clearing and Grubbing	LS	1.00		1.00	$21,000.00	$ 21,000.00	1.00	$ 21,000.00	-	100.00%
2.02	Topsoil, On-Site, Compost-amended	CY	790.00		790.00	$ 100.00	$ 79,000.00	100.00	$ 10,000.00	690.00	12.66%
2.03	Excavation, Class 10	CY	1,900.00		1,900.00	$ 35.00	$ 66,500.00	1,900.00	$ 66,500.00	-	100.00%
2.04	Subgrade Preparation, 6in Thickness	SY	6,485.00		6,485.00	$ 4.00	$ 25,940.00	6,485.00	$ 25,940.00	-	100.00%
2.05	Subbase Granular, 6in Thickness	SY	6,485.00		6,485.00	$ 14.00	$ 90,790.00	6,485.00	$ 90,790.00	-	100.00%
2.06	Compaction Testing, Moisture & Density Control	LS	1.00		1.00	$ 6,500.00	$ 6,500.00	1.00	$ 6,500.00	-	100.00%
2.07	Below Grade Excavation (Core Out)	CY	500.00		500.00	$ 10.00	$ 5,000.00	500.00	$ 5,000.00	-	100.00%
3.01	Trench Compaction Testing	LS	1.00		1.00	$ 6,500.00	$ 6,500.00	1.00	$ 6,500.00	-	100.00%
4.01	Storm Sewer, Trenched, RCP, 15 in	LF	1,009.00		1,009.00	$ 65.00	$ 65,585.00	991.00	$ 64,415.00	18.00	98.22%
4.02	Storm Sewer, Trenched, RCP, 18 in	LF	130.00		130.00	$ 75.00	$ 9,750.00	130.00	$ 9,750.00	-	100.00%
4.03	Storm Sewer, Trenched, RCP, 24 in	LF	8.00		8.00	$ 125.00	$ 1,000.00	8.00	$ 1,000.00	-	100.00%
4.04	Storm Sewer, Trenched, RCP, 30 in	LF	24.00		24.00	$ 130.00	$ 3,120.00	24.00	$ 3,120.00	-	100.00%
4.05	Storm Sewer, Trenched, RCP, 36 in	LF	27.00		27.00	$ 150.00	$ 4,050.00	27.00	$ 4,050.00	-	100.00%
4.06	Storm Sewer, Trenched, RCP, 42 in	LF	155.00		155.00	$ 185.00	$ 28,675.00	155.00	$ 28,675.00	-	100.00%
4.07	Removal of Storm Sewer, Less than 36 in	LF	515.00		515.00	$ 10.00	$ 5,150.00	515.00	$ 5,150.00	-	100.00%
4.08	Removal of Storm Sewer, Greater than 36 in	LF	126.00		126.00	$ 25.00	$ 3,150.00	126.00	$ 3,150.00	-	100.00%
4.09	Pipe Culvert, Trenched, RCP, 60 in	LF	67.00		67.00	$ 350.00	$ 23,450.00	67.00	$ 23,450.00	-	100.00%
4.10	Pipe Apron, Concrete, 15 in	EA	2.00		2.00	$ 2,500.00	$ 5,000.00	2.00	$ 5,000.00	-	100.00%
4.11	Pipe Apron, Concrete, 36 in	EA	1.00		1.00	$ 5,500.00	$ 5,500.00	1.00	$ 5,500.00	-	100.00%
4.12	Pipe Apron, Concrete, 60 in	EA	1.00		1.00	$10,000.00	$ 10,000.00	1.00	$ 10,000.00	-	100.00%
4.13	Pipe Apron, Modifed	LS	1.00		1.00	$35,000.00	$ 35,000.00	1.00	$ 35,000.00	-	100.00%
4.14	Connection to Existing Storm Sewer	EA	5.00		5.00	$ 1,875.00	$ 9,375.00	5.00	$ 9,375.00	-	100.00%
4.15	Subrains, Soild Wall, 4 in	LF	150.00		150.00	$ 25.00	$ 3,750.00		$ -	150.00	0.00%
4.16	Subdrain Cleanouts	EA	1.00		1.00	$ 750.00	$ 750.00		$ -	1.00	0.00%
4.17	Subdrain Outlets and Connections	EA	1.00		1.00	$ 250.00	$ 250.00		$ -	1.00	0.00%
5.01	Valve Box Adjustment	EA	14.00		14.00	$ 550.00	$ 7,700.00	14.00	$ 7,700.00	-	100.00%
6.01	Manhole, SW-401, 48 in	EA	1.00		1.00	$ 3,500.00	$ 3,500.00	1.00	$ 3,500.00	-	100.00%
6.02	Manhole, SW-401, 60 in	EA	1.00		1.00	$ 6,500.00	$ 6,500.00	1.00	$ 6,500.00	-	100.00%
6.03	Manhole, SW-401, 60 in, Modified	EA	1.00		1.00	$ 6,500.00	$ 6,500.00	1.00	$ 6,500.00	-	100.00%
6.04	Manhole, SW-401, 72 in	EA	1.00		1.00	$ 7,000.00	$ 7,000.00	1.00	$ 7,000.00	-	100.00%
6.05	Manhole, SW-402, 4ft x 6ft	EA	1.00		1.00	$ 7,500.00	$ 7,500.00	1.00	$ 7,500.00	-	100.00%
6.06	Intake, SW-501	EA	2.00		2.00	$ 3,500.00	$ 7,000.00	2.00	$ 7,000.00	-	100.00%
6.07	Intake, SW-503	EA	1.00		1.00	$ 5,500.00	$ 5,500.00	1.00	$ 5,500.00	-	100.00%
6.08	Intake, SW-505	EA	1.00		1.00	$ 6,000.00	$ 6,000.00	1.00	$ 6,000.00	-	100.00%
6.09	Intake, SW-507	EA	2.00		2.00	$ 5,000.00	$ 10,000.00	2.00	$ 10,000.00	-	100.00%
6.10	Intake, SW-512, 24 in	EA	7.00		7.00	$ 3,000.00	$ 21,000.00	7.00	$ 21,000.00	-	100.00%
6.11	Intake, SW-512, 30 in	EA	3.00		3.00	$ 3,500.00	$ 10,500.00	3.00	$ 10,500.00	-	100.00%
6.12	Intake, SW-512, 36 in	EA	1.00		1.00	$ 4,500.00	$ 4,500.00	1.00	$ 4,500.00	-	100.00%
6.13	Intake, SW-501 - Modified	EA	7.00		7.00	$ 3,500.00	$ 24,500.00	7.00	$ 24,500.00	-	100.00%
6.14	Intake, SW-505 - Modified	EA	5.00		5.00	$ 6,000.00	$ 30,000.00	5.00	$ 30,000.00	-	100.00%
6.15	Manhole Adjustment, Minor	EA	5.00		5.00	$ 1,500.00	$ 7,500.00	5.00	$ 7,500.00	-	100.00%
6.16	Manhole Adjustment, Major	EA	1.00		1.00	$ 2,750.00	$ 2,750.00	1.00	$ 2,750.00	-	100.00%
6.17	Remove Manhole	EA	2.00		2.00	$ 1,000.00	$ 2,000.00	2.00	$ 2,000.00	-	100.00%
6.18	Remove Intake	EA	2.00		2.00	$ 1,000.00	$ 2,000.00	2.00	$ 2,000.00	-	100.00%
7.01	Pavement, PCC, 7in Thickness	SY	5,540.00		5,540.00	$ 95.00	$ 526,300.00	2,579.00	$ 245,005.00	2,961.00	46.55%
7.02	PCC Pavement Samples and Testing	LS	1.00		1.00	$ 6,500.00	$ 6,500.00	0.50	$ 3,250.00	0.50	50.00%
7.03	Removal of Sidewalk	SY	66.00		66.00	$ 15.00	$ 990.00	66.00	$ 990.00	-	100.00%
7.04	Removal of Driveway	SY	368.00		368.00	$ 15.00	$ 5,520.00	368.00	$ 5,520.00	-	100.00%
7.05	Sidewalk, PCC 4 Inch Thickness	SY	25.00		25.00	$ 105.00	$ 2,625.00	10.00	$ 1,050.00	15.00	40.00%
7.06	Sidewalk, PCC 6 Inch Thickness	SY	45.00		45.00	$ 130.00	$ 5,850.00		$ -	45.00	0.00%
7.07	Detectable Warning	SF	64.00		64.00	$ 75.00	$ 4,800.00		$ -	64.00	0.00%
7.08	Driveway, Paved, PCC, 6 in Thickness	SY	421.00		421.00	$ 140.00	$ 58,940.00	269.00	$ 37,660.00	152.00	63.90%
7.09	Sidewalk Assurance Testing	LS	1.00		1.00	$ 5,500.00	$ 5,500.00		$ -	1.00	0.00%
7.10	Pavement Removal	SY	5,302.00		5,302.00	$ 13.00	$ 68,926.00	5,302.00	$ 68,926.00	-	100.00%
8.01	Temporary Traffic Control	LS	1.00		1.00	$10,500.00	$ 10,500.00	1.00	$ 10,500.00	-	100.00%
9.01	Hydraulic Seeding, Seeding, Fertilizing, and Mulching (BFM), Type 1 with Compost Amended Topsoil	AC	0.60		0.60	$ 7,000.00	$ 4,200.00	0.20	$ 1,400.00	0.40	33.33%
9.02	Hydraulic Mulching, Temporary	AC	0.60		0.60	$ 3,250.00	$ 1,950.00		$ -	0.60	0.00%
9.03	Intake Protection Device, Installation and Removal	EA	31.00		31.00	$ 225.00	$ 6,975.00	10.00	$ 2,250.00	21.00	32.26%
9.04	Intake Protection Device, Maintenance	EA	31.00		31.00	$ 30.00	$ 930.00	4.00	$ 120.00	27.00	12.90%
9.05	Manufactured Check Dams, Installation & Removal	LF	60.00		60.00	$ 40.00	$ 2,400.00		$ -	60.00	0.00%
9.06	Rip Rap, Class E	TON	125.00		125.00	$ 85.00	$ 10,625.00	125.00	$ 10,625.00	-	100.00%
9.07	Rip Rap, Erosion Stone	TON	15.00		15.00	$ 95.00	$ 1,425.00	15.00	$ 1,425.00	-	100.00%
9.08	Wattle, Installation	LF	2,000.00		2,000.00	$ 2.00	$ 4,000.00	725.00	$ 1,450.00	1,275.00	36.25%
9.09	Wattle, Removal	LF	2,000.00		2,000.00	$ 0.25	$ 500.00		$ -	2,000.00	0.00%
9.10	Stormwater Pollution Prevention Plan (SWPP) Preparation	LS	1.00		1.00	$ 2,250.00	$ 2,250.00	1.00	$ 2,250.00	-	100.00%
9.11	Stormwater Pollution Prevention Plan (SWPP) Management	LS	1.00		1.00	$ 3,500.00	$ 3,500.00	0.50	$ 1,750.00	0.50	50.00%
10.01	Removal of Steel Storm Tank Structure	LS	1.00		1.00	$12,500.00	$ 12,500.00	1.00	$ 12,500.00	-	100.00%
11.01	Mobilization	LS	1.00		1.00	$92,434.00	$ 92,434.00	1.00	$ 92,434.00	-	100.00%
11.02	Concrete Washout	LS	1.00		1.00	$ 3,500.00	$ 3,500.00	0.50	$ 1,750.00	0.50	50.00%
11.03	Removal & Salvage Sign To Owner	EA	11.00		11.00	$ 275.00	$ 3,025.00	11.00	$ 3,025.00	-	100.00%
11.04	Removal, Salvage & Reinstallation of Mailbox	EA	12.00		12.00	$ 300.00	$ 3,600.00	12.00	$ 3,600.00	-	100.00%
11.05	Maintenance of Postal Services	LS	1.00		1.00	$ 3,500.00	$ 3,500.00	1.00	$ 3,500.00	-	100.00%
11.06	Maintenance of Solid Waste Collection	LS	1.00		1.00	$ 4,500.00	$ 4,500.00	1.00	$ 4,500.00	-	100.00%
	CHANGE ORDER #1										
CO_1.01	SW-512 PCC Collar	LS		1.00	1.00	$ 900.00	$ 900.00	1.00	$ 900.00	-	100.00%
CO_1.02	Tree Removal	LS		1.00	1.00	$ 7,150.00	$ 7,150.00	1.00	$ 7,150.00	-	100.00%
CO_1.03	Driveway, Paved, PCC, 8 in Thickness	SY		38.00	38.00	$ 155.00	$ 5,890.00	38.00	$ 5,890.00	-	100.00%
					-						
	CHANGE ORDER #2										
CO_2.01	Tree Removal	LS		1.00	1.00	$ 7,300.00	$ 7,300.00	1.00	$ 7,300.00	-	100.00%
					-						

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE	$ 1,566,240.00	$ 1,148,535.00	73.33%

Date printed: 6/1/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	September 13, 2022	$ 95,089.78
2	October 25, 2022	$ 200,669.45
3	November 8, 2022	$ 107,419.82
4	December 27, 2022	$ 249,809.15
5	January 24, 2023	$ 6,935.00
6	May 23, 2023	$ 177,611.05
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 837,534.25**

Record of Change Orders

No.	Date	Amount
1	October 25, 2022	$ 13,940.00
2	January 24, 2023	$ 7,300.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 21,240.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	May 10, 2022
Original Contract Time:	80.00
Added by Change Order:	-
Contract Time to Date:	80.00
Time Used to Date:	124.50
Contract Time Remaining:	**(44.50)**

Date Printed: 6/1/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	WRA Grimes Connector - Contract 4		
Contractor:	Shank Constructors, Inc.		
Address:	3501 85th Avenue North, Brooklyn Park, MN 55443		
Finance Budget Code:	364-815-6499	***Finance Project #***	
Vendor Project or Invoice #:		***PO #***	
Original Contract Date:	January 25, 2022	***Vendor #***	2926

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 15

PAYMENT PERIOD: From: May 1, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 8,068,100.00			
Net change by Change Orders:	$ 18,417.33			
Contract Amount to Date: (line 1 ± 2)		$ 8,086,517.33		
Total completed and stored to date:	$ 6,331,951.60			
Retainage: 5 % of Completed Work:	$ 316,597.58			
Total Earned less Retainage:		$ 6,015,354.02		
Less previous applications for payment:		$ 5,779,974.86		
SUBTOTAL			$	235,379.16
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	235,379.16
Balance to finish, including retainage:		$ 2,071,163.31		
Contract Time Remaining (If applicable)	92.00 Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Shank Constructors, Inc. (Firm Name)

Signature — Date: 6/5/2023

Engineer / Consultant Approval: Veenstra & Kimm,Inc. (Firm Name)

Signature — Date: 6-5-2023

City of Grimes Staff Approval:

Signature — Date: 6-7-23

City of Grimes Council Approval: Council 6-13-23

Signature — Date

Submit to: Matt Ahrens, P.E. - City Engineer - Engineering Department

E-mail: mahrens@grimesiowa.gov *Phone:* (515) 986-4050 *Fax:* (515) 986-4480

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
1	Mobilization	LS	1.00		1.00	$285,000.00	$ 285,000.00	100%	$ 285,000.00	0%	100.00%
2	Site Demolition	LS	1.00		1.00	$115,000.00	$ 115,000.00	100%	$ 115,000.00	0%	100.00%
3	Earth Retention	LS	1.00		1.00	$ 1,921,503.00	$ 1,921,503.00	100%	$ 1,921,503.00	0%	100.00%
4	Earthwork	LS	1.00		1.00	$546,000.00	$ 546,000.00	92%	$ 502,320.00	8%	92.00%
5	Site Utilities	LS	1.00		1.00	$ 1,104,000.00	$ 1,104,000.00	85%	$ 938,400.00	15%	85.00%
6	Site Concrete	LS	1.00		1.00	$35,000.00	$ 35,000.00		$ -	100%	0.00%
7	Cast In Place Concrete	LS	1.00		1.00	$ 1,388,210.00	$ 1,388,210.00	99%	$ 1,374,327.90	1%	99.00%
8	Precast Materials	LS	1.00		1.00	$207,500.00	$ 207,500.00	80.0%	$ 166,000.00	20%	80.00%
9	Precast Erection	LS	1.00		1.00	$36,400.00	$ 36,400.00		$ -	100%	0.00%
10	Wood Blocking	LS	1.00		1.00	$ 3,000.00	$ 3,000.00		$ -	100%	0.00%
11	Roofing	LS	1.00		1.00	$40,200.00	$ 40,200.00		$ -	100%	0.00%
12	Hatches	LS	1.00		1.00	$24,500.00	$ 24,500.00	90%	$ 22,050.00	10%	90.00%
13	Aluminum Doors and Windows	LS	1.00		1.00	$18,250.00	$ 18,250.00	20.9%	$ 3,814.25	79%	20.90%
14	Coiling Door	LS	1.00		1.00	$23,500.00	$ 23,500.00		$ -	100%	0.00%
15	Painting	LS	1.00		1.00	$25,000.00	$ 25,000.00		$ -	100%	0.00%
16	Specialties	LS	1.00		1.00	$ 1,800.00	$ 1,800.00		$ -	100%	0.00%
17	Bar Screens	LS	1.00		1.00	$309,220.00	$ 309,220.00	100%	$ 309,220.00	0%	100.00%
18	Submersible Pumps	LS	1.00		1.00	$333,000.00	$ 333,000.00	50%	$ 166,500.00	50%	50.00%
19	Slide Gates	LS	1.00		1.00	$39,460.00	$ 39,460.00	100%	$ 39,460.00	0%	100.00%
20	Inside Process Piping	LS	1.00		1.00	$227,000.00	$ 227,000.00	75%	$ 170,250.00	25%	75.00%
21	Jib Crane	LS	1.00		1.00	$58,000.00	$ 58,000.00	100.0%	$ 58,000.00	0%	100.00%
22	Plumbing	LS	1.00		1.00	$12,000.00	$ 12,000.00	20%	$ 2,400.00	80%	20.00%
23	HVAC	LS	1.00		1.00	$329,460.00	$ 329,460.00	12.83%	$ 42,269.72	87%	12.83%
24	Electrical	LS	1.00		1.00	$985,097.00	$ 985,097.00	20%	$ 197,019.40	80%	20.00%
25	CO #1 Additional Fencing	LS		1.00	1.00	$ 2,493.33	$ 2,493.33	1	$ 2,493.33	-	100.00%
26	CO 2.1 Adding Color to Precast Concrete Wall Panels	LS		1.00	1.00	$11,040.00	$ 11,040.00	1	$ 11,040.00	-	100.00%
27	CO 2.2 Change Hatches 6-9 Larger Size for Pumps	LS		1.00	1.00	$ 4,884.00	$ 4,884.00	1	$ 4,884.00	-	100.00%
28					-		$ -		$ -	-	0.00%
29					-		$ -		$ -	-	0.00%
30					-		$ -		$ -	-	0.00%
31					-		$ -		$ -	-	0.00%
32					-		$ -		$ -	-	0.00%
33					-		$ -		$ -	-	0.00%
34					-		$ -		$ -	-	0.00%
35					-		$ -		$ -	-	0.00%
36					-		$ -		$ -	-	0.00%
37					-		$ -		$ -	-	0.00%
38					-		$ -		$ -	-	0.00%
39					-		$ -		$ -	-	0.00%
40					-		$ -		$ -	-	0.00%
41					-		$ -		$ -	-	0.00%
42					-		$ -		$ -	-	0.00%
43					-		$ -		$ -	-	0.00%
44					-		$ -		$ -	-	0.00%
45					-		$ -		$ -	-	0.00%
46					-		$ -		$ -	-	0.00%
47					-		$ -		$ -	-	0.00%
48					-		$ -		$ -	-	0.00%
49					-		$ -		$ -	-	0.00%
50					-		$ -		$ -	-	0.00%
51					-		$ -		$ -	-	0.00%
52					-		$ -		$ -	-	0.00%
53					-		$ -		$ -	-	0.00%
54					-		$ -		$ -	-	0.00%
55					-		$ -		$ -	-	0.00%
56					-		$ -		$ -	-	0.00%
57					-		$ -		$ -	-	0.00%
58					-		$ -		$ -	-	0.00%
59					-		$ -		$ -	-	0.00%
60					-		$ -		$ -	-	0.00%
61					-		$ -		$ -	-	0.00%
62					-		$ -		$ -	-	0.00%
63					-		$ -		$ -	-	0.00%
64					-		$ -		$ -	-	0.00%
65					-		$ -		$ -	-	0.00%
66					-		$ -		$ -	-	0.00%
67					-		$ -		$ -	-	0.00%
68					-		$ -		$ -	-	0.00%
69					-		$ -		$ -	-	0.00%
70					-		$ -		$ -	-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $ 8,086,517.33 $ 6,331,951.60 78.30%

Date printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	April 12, 2022	$ 179,581.03
2	May 10, 2022	$ 152,544.50
3	June 14, 2022	$ 635,744.26
4	July 12, 2022	$ 547,628.35
5	August 9, 2022	$ 756,106.14
6	September 13, 2022	$ 949,547.80
7	October 11, 2022	$ 420,971.27
8	November 8, 2022	$ 252,582.76
9	December 13, 2022	$ 298,450.30
10	January 10, 2023	$ 133,038.53
11	February 14, 2023	$ 565,243.94
12	March 14, 2023	$ 424,548.09
13	April 11, 2023	$ 406,928.99
14	May 9, 2023	$ 57,058.90
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 5,779,974.86**

Record of Change Orders

No.	Date	Amount
1	December 13, 2022	$ 2,493.33
2	April 11, 2023	$ 15,924.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 18,417.33**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	January 25, 2022
Original Contract Time:	583.00
Added by Change Order:	
Contract Time to Date:	583.00
Time Used to Date:	491.00
Contract Time Remaining:	**92.00**

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	WRA Grimes Connector - Contract 2		
Contractor:	S. M. Hentges & Sons, Inc.		
Address:	650 Quaker Avenue, Jordan, MN 55352		
Finance Budget Code:	362-815-6499	***Finance Project #***	
Vendor Project or Invoice #:		***PO #***	
Original Contract Date:	March 8, 2022	***Vendor #***	4294

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 10

PAYMENT PERIOD: From: April 29, 2023 Through: May 31, 2023

Contract Summary

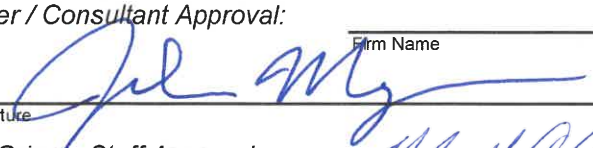
Original Contract Amount:	$ 9,530,000.00			
Net change by Change Orders:	$ 56,925.00			
Contract Amount to Date: (line 1 ± 2)		$ 9,586,925.00		
Total completed and stored to date:	$ 9,758,157.45			
Retainage: 5 % of Completed Work:	$ 487,907.87			
Total Earned less Retainage:		$ 9,270,249.58		
Less previous applications for payment:		$ 9,023,268.34		
SUBTOTAL			$	246,981.24
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	246,981.24
Balance to finish, including retainage:		$ 316,675.42		
Contract Time Remaining (If applicable)	31.00 Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: S. M. Hentges & Sons, Inc. (Firm Name)

Signature: Date: 06/05/2023

Engineer / Consultant Approval: Veenstra & Kimm,Inc. (Firm Name)

Signature:  Date: 6-5-2023

City of Grimes Staff Approval:

Signature: Date: 6-7-23

City of Grimes Council Approval:

Signature: Council 6-13-23 Date:

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
1	6" PCC Trail	SY	1,350.00		1,350.00	$ 75.00	$ 101,250.00	1,350.00	$ 101,250.00	-	100.00%
2	48" Sanitary Sewer in Open Cut	LF	15,286.00		15,286.00	$ 430.00	$ 6,572,980.00	15,294.00	$ 6,576,420.00	(8.00)	100.05%
3	36" DI Sanitary Sewer in Open Cut	LF	25.00		25.00	$ 6,000.00	$ 150,000.00	40.00	$ 240,000.00	(15.00)	160.00%
4	12" DI Sanitary Sewer in Open Cut	LF	20.00		20.00	$ 1,200.00	$ 24,000.00	50.00	$ 60,000.00	(30.00)	250.00%
5	48" Sanitary Trenchless	LF	410.00		410.00	$ 1,565.00	$ 641,650.00	410.00	$ 641,650.00	-	100.00%
6	Manhole - 96"	EA	2.00		2.00	$45,000.00	$ 90,000.00	2.00	$ 90,000.00	-	100.00%
7	Manhole - 72"	EA	43.00		43.00	$30,000.00	$ 1,290,000.00	43.00	$ 1,290,000.00	-	100.00%
8	Storm Sewer - 48" RCP	EA	90.00		90.00	$ 240.00	$ 21,600.00	176.00	$ 42,240.00	(86.00)	195.56%
9	Storm Sewer - 36" RCP	EA	20.00		20.00	$ 200.00	$ 4,000.00	32.00	$ 6,400.00	(12.00)	160.00%
10	Storm Sewer - 18" RCP	EA	40.00		40.00	$ 125.00	$ 5,000.00	40.00	$ 5,000.00	-	100.00%
11	Culvert - 48: CMP	LF	40.00		40.00	$ 250.00	$ 10,000.00		$ -	40.00	0.00%
12	Storm Sewer - 16" HDPE	LF	18.00		18.00	$ 120.00	$ 2,160.00		$ -	18.00	0.00%
13	Concrete Encasement - 48" Pipe	LF	60.00		60.00	$ 540.00	$ 32,400.00	60.00	$ 32,400.00	-	100.00%
14	6" Tile with Sock	LF	5,360.00		5,360.00	$ 8.00	$ 42,880.00	5,470.00	$ 43,760.00	(110.00)	102.05%
15	Steel Sheeting	SF	1,800.00		1,800.00	$ 80.00	$ 144,000.00	2,800.00	$ 224,000.00	(1,000.00)	155.56%
16	Rip-Rap	TON	1,535.00		1,535.00	$ 75.00	$ 115,125.00	888.91	$ 66,668.25	646.09	57.91%
17	Stabillizing Material	TON	200.00		200.00	$ 40.00	$ 8,000.00	267.23	$ 10,689.20	(67.23)	133.62%
18	Erosion Control	LS	1.00		1.00	$55,000.00	$ 55,000.00	95.0%	$ 52,250.00	5.0%	95.00%
19	Seeding	ACRE	12.00		12.00	$ 2,600.00	$ 31,200.00	14.00	$ 36,400.00	(2.00)	116.67%
20	Clearing and Grubbing	LS	1.00		1.00	$108,205.00	$ 108,205.00	100.0%	$ 108,205.00	0.0%	100.00%
21	Traffic Control	LS	1.00		1.00	$ 5,000.00	$ 5,000.00	95.0%	$ 4,750.00	5.0%	95.00%
22	Sanitary Sewer Service Relocation	EA	1.00		1.00	$ 5,000.00	$ 5,000.00		$ -	1.00	0.00%
23	Sanitary Sewer Service Pipe	LF	20.00		20.00	$ 700.00	$ 14,000.00		$ -	20.00	0.00%
24	Sanitary Sewer Manhole Abandonment	EA	18.00		18.00	$ 3,000.00	$ 54,000.00	3.00	$ 9,000.00	15.00	16.67%
25	Sanitary Sewer Manhole Abandonment - Plug	EA	3.00		3.00	$ 850.00	$ 2,550.00		$ -	3.00	0.00%
	Change Orders										
1.1	Field Tile Replacement - 8" and Smaller	LF		759.00	759.00	$ 75.00	$ 56,925.00	1,561.00	$ 117,075.00	(802.00)	205.67%
	Stored Materials				-		$ -		$ -	-	0.00%
26	Bid item 5 - 48" Sanitary Trenchless	LF			410.00	$ 552.22	$ 226,410.20	-	$ -	410.00	0.00%
27	2" Grout Bushings	EA			42.00	$ 200.00	$ 8,400.00	-	$ -	4200%	0.00%
28	Bond	LS			1.00	$70,207.00	$ 70,207.00		$ -	1.00	0.00%
29	Manhole Coupler	EA			43.00	$ 420.00	$ 18,060.00	-	$ -	43.00	0.00%
30	JD Fields Z65 Steel Sheet Pile A57250	CW			275.40	$ 95.00	$ 26,163.00		$ -	275.40	0.00%
31	48" Sanitary Sewer in Open Cut	LF			6,361.99	$ 209.55	$ 1,333,155.00	-	$ -	6,361.99	0.00%
32	48" Coupling Elbow 2-Miter	EA			4.00	$ 7,800.00	$ 31,200.00	-	$ -	4.00	0.00%
33	48" Coupling Elbow 3-Miter	EA			2.00	$ 8,500.00	$ 17,000.00		$ -	2.00	0.00%
34	48" Coupling Elbow 0-Miter	EA			2.00	$ 7,800.00	$ 15,600.00	-	$ -	2.00	0.00%
35	48" Coupling Elbow 1-Miter	EA			2.00	$10,400.00	$ 20,800.00	-	$ -	2.00	0.00%
36	48" Coupling Elbow 2-Miter	EA			1.00	$12,900.00	$ 12,900.00		$ -	1.00	0.00%
37	48" Sanitary Sewer in Open Cut	LF			8,662.99	$ 209.55	$ 1,815,329.55	-	$ -	8,662.99	0.00%
38	LFM 53	EA			1.00	$ 9,168.00	$ 9,168.00	-	$ -	1.00	0.00%
39	LFM 54	EA			1.00	$ 9,359.00	$ 9,359.00	-	$ -	1.00	0.00%
40	LFM 55	EA			1.00	$ 9,359.00	$ 9,359.00	-	$ -	1.00	0.00%
41	LFM 56	EA			1.00	$ 9,359.00	$ 9,359.00	-	$ -	1.00	0.00%
42	LFM 57	EA			1.00	$ 9,359.00	$ 9,359.00	-	$ -	1.00	0.00%
43	LFM 58	EA			1.00	$ 8,904.00	$ 8,904.00	-	$ -	1.00	0.00%
44	LFM 59	EA			1.00	$ 9,168.00	$ 9,168.00	-	$ -	1.00	0.00%
45	LFM 60	EA			1.00	$ 9,601.00	$ 9,601.00	-	$ -	1.00	0.00%
46	LFM 61	EA			1.00	$11,091.00	$ 11,091.00	-	$ -	1.00	0.00%
47	LFM 62	EA			1.00	$10,329.00	$ 10,329.00	-	$ -	1.00	0.00%
48	LFM 63	EA			1.00	$10,974.00	$ 10,974.00	-	$ -	1.00	0.00%
49	LFM 64	EA			1.00	$ 9,947.00	$ 9,947.00	-	$ -	1.00	0.00%
50	LFM 65	EA			1.00	$ 9,601.00	$ 9,601.00	-	$ -	1.00	0.00%
51	LFM 66	EA			1.00	$10,827.00	$ 10,827.00	-	$ -	1.00	0.00%
52	LFM 67	EA			1.00	$ 9,168.00	$ 9,168.00	-	$ -	1.00	0.00%
53	LFM 71	EA			1.00	$ 9,168.00	$ 9,168.00	-	$ -	1.00	0.00%
54	LFM 72	EA			1.00	$ 9,168.00	$ 9,168.00	-	$ -	1.00	0.00%
55	48"x 42" Coupling Tee 0-Miter	EA			5.00	$ 8,466.82	$ 42,334.10	-	$ -	5.00	0.00%
56	48"x 42" Coupling Tee 1-Miter	EA			7.00	$11,066.82	$ 77,467.74	-	$ -	7.00	0.00%
57	48"x 42" Coupling Tee 2-Miter	EA			3.00	$13,566.82	$ 40,700.46	-	$ -	3.00	0.00%
58	48"x 42" Coupling Tee 3-Miter	EA			6.00	$14,666.82	$ 88,000.92	-	$ -	6.00	0.00%
59	48"x 42" Coupling Tee with 36" Reducer	EA			1.00	$17,066.82	$ 17,066.78		$ -	1.00	0.00%
60	LFM 68	EA			1.00	$ 8,709.00	$ 8,709.00		$ -	1.00	0.00%
61	LFM 69	EA			1.00	$12,216.00	$ 12,216.00		$ -	1.00	0.00%
62	LFM 70	EA			1.00	$10,974.00	$ 10,974.00		$ -	1.00	0.00%
63	LFM 83	EA			1.00	$ 8,170.00	$ 8,170.00		$ -	1.00	0.00%
64	LFM 84	EA			1.00	$ 9,168.00	$ 9,168.00		$ -	1.00	0.00%
65	LFM 85	EA			1.00	$12,028.00	$ 12,028.00		$ -	1.00	0.00%
66	LFM 86	EA			1.00	$10,709.00	$ 10,709.00		$ -	1.00	0.00%
67	LFM 87	EA			1.00	$ 9,359.00	$ 9,359.00		$ -	1.00	0.00%
68	LFM 88	EA			1.00	$ 8,170.00	$ 8,170.00		$ -	1.00	0.00%
69	LFM 89	EA			1.00	$ 7,526.00	$ 7,526.00		$ -	1.00	0.00%
70									$ -	-	0.00%
71									$ -	-	0.00%
72									$ -	-	0.00%
73									$ -	-	0.00%
74									$ -	-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $ 9,586,925.00 $ 9,758,157.45 101.79%

Date printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	September 13, 2022	$ 322,598.34
2	October 11, 2022	$ 35,134.33
3	November 8, 2022	$1,410,519.62
4	December 13, 2022	$2,096,792.75
5	January 10, 2023	$1,017,464.75
6	February 14, 2023	$1,400,085.17
7	March 14, 2023	$1,296,023.00
8	April 11, 2023	$1,098,062.07
9	May 9, 2023	$ 346,588.31
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 9,023,268.34**

Record of Change Orders

No.	Date	Amount
1	February 14, 2023	$ 56,925.00
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 56,925.00**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	March 8, 2022
Original Contract Time:	480.00
Added by Change Order:	
Contract Time to Date:	480.00
Time Used to Date:	449.00
Contract Time Remaining:	**31.00**

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: GrimesPlex
Contractor: Edge Commercial, LLC
Address: 3155 SE Miehe Drive, Suite #2, Grimes, Iowa 50111
Finance Budget Code: 367-470-6499 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: November 8, 2022 **Vendor #** 1334

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 5

PAYMENT PERIOD: From: May 1, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 23,316,582.11			
Net change by Change Orders:	$ 89,047.40			
Contract Amount to Date: (line 1 ± 2)		$ 23,405,629.51		
Total completed and stored to date:	$ 10,123,296.31			
Retainage: 5 % of Completed Work:	$ 506,164.82			
Total Earned less Retainage:		$ 9,617,131.49		
Less previous applications for payment:		$ 4,018,609.48		
SUBTOTAL			$	5,598,522.01
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	5,598,522.01
Balance to finish, including retainage:		$ 13,788,498.02		
Contract Time Remaining (If applicable)	-	CALENDAR DAYS		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Edge Commercial, LLC.
Firm Name

Signature Date 6/6/23

Engineer / Consultant Approval: Civil Design Advantage
Firm Name

Signature Date 6/6/23

City of Grimes Staff Approval:

Signature Date 6-7-23

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/5/2023

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	VALUE OF STORED MATERIALS REMAINING	TOTAL COMPLETED WORK AND STORED MATERIALS	REMAINING QUANTITY	PERCENT COMPLETE
	EARTHWORK												
2.01	CLEARING AND GRUBBING	LS	1.00		1.00	$28,000.00	$ 28,000.00	1.00	$ 28,000.00	$ -	$ 28,000.00	-	100.00%
2.02	TOPSOIL, ONSITE	CY	44,700.00		44,700.00	$ 12.53	$ 560,091.00	27,200.00	$ 340,816.00	$ -	$ 340,816.00	17,500.00	60.85%
2.03	EXCAVATION, CLASS 10 (ON-SITE)	CY	13,400.00		13,400.00	$ 8.58	$ 114,972.00	8,710.00	$ 74,731.80	$ -	$ 74,731.80	4,690.00	65.00%
2.04	BELOW GRADE EXCAVATION (CORE OUT)	CY	500.00		500.00	$ 24.00	$ 12,000.00	75.00	$ 1,800.00	$ -	$ 1,800.00	425.00	15.00%
2.05	SUBGRADE PREPARATION, 6 IN. DEPTH	SY	27,250.00		27,250.00	$ 3.05	$ 83,112.50	24,350.00	$ 74,267.50	$ -	$ 74,267.50	2,900.00	89.36%
2.06	SUBGRADE PREPARATION, 12 IN. DEPTH	SY	46,664.00		46,664.00	$ 2.70	$ 125,992.80	16,332.00	$ 44,096.40	$ -	$ 44,096.40	30,332.00	35.00%
2.07	SUBGRADE TREATMENT, 12 IN. DEPTH	SY	133,900.00		133,900.00	$ 9.22	$ 1,234,558.00	133,900.00	$ 1,234,558.00	$ -	$ 1,234,558.00	-	100.00%
2.08	COMPACTION TESTING	LS	1.00		1.00	$22,000.00	$ 22,000.00	0.65	$ 14,300.00	$ -	$ 14,300.00	0.35	65.00%
	TRENCH EXCAVATION AND BACKFILL												
3.01	TRENCH COMPACTION TESTING	LS	1.00		1.00	$ 9,500.00	$ 9,500.00	0.75	$ 7,125.00	$ -	$ 7,125.00	0.25	75.00%
	SEWERS AND DRAINS												
4.01	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 6 IN. DIA.	LF	1,603.00		1,603.00	$ 67.37	$ 107,994.11	1,620.00	$ 109,139.40	$ -	$ 109,139.40	(17.00)	101.06%
4.02	SANITARY SEWER CLEANOUT	EA	5.00		5.00	$ 1,760.00	$ 8,800.00	3.00	$ 5,280.00	$ -	$ 5,280.00	2.00	60.00%
4.03	STORM SEWER, TRENCHED, HDPE, 6 IN. DIA.	LF	143.00		143.00	$ 48.95	$ 6,999.85		$ -	$ -	$ -	143.00	0.00%
4.04	STORM SEWER, TRENCHED, HDPE, 12 IN. DIA.	LF	244.00		244.00	$ 54.51	$ 13,300.44	185.00	$ 10,084.35	$ -	$ 10,084.35	59.00	75.82%
4.05	STORM SEWER, TRENCHED, HDPE, 18 IN. DIA.	LF	61.00		61.00	$ 80.33	$ 4,900.13	53.00	$ 4,257.49	$ -	$ 4,257.49	8.00	86.89%
4.06	STORM SEWER, TRENCHED, HDPE, 24 IN. DIA.	LF	287.00		287.00	$ 82.58	$ 23,700.46	287.00	$ 23,700.46	$ -	$ 23,700.46	-	100.00%
4.07	STORM SEWER, TRENCHED, PERFORATED HDPE, 12 IN. DIA.	LF	1,401.00		1,401.00	$ 61.85	$ 86,651.85	1,346.00	$ 83,250.10	$ -	$ 83,250.10	55.00	96.07%
4.08	STORM SEWER, TRENCHED, PERFORATED HDPE, 15 IN. DIA.	LF	3,888.00		3,888.00	$ 64.30	$ 249,998.40	3,888.00	$ 249,998.40	$ -	$ 249,998.40	-	100.00%
4.09	STORM SEWER, TRENCHED, PERFORATED HDPE, 18 IN. DIA.	LF	357.00		357.00	$ 66.11	$ 23,601.27	357.00	$ 23,601.27	$ -	$ 23,601.27	-	100.00%
4.10	STORM SEWER, TRENCHED, PERFORATED HDPE, 24 IN. DIA.	LF	891.00		891.00	$ 89.79	$ 80,002.89	891.00	$ 80,002.89	$ -	$ 80,002.89	-	100.00%
4.11	STORM SEWER, TRENCHED, 12 IN. DIA.	LF	163.00		163.00	$ 53.37	$ 8,699.31	252.00	$ 13,449.24	$ -	$ 13,449.24	(89.00)	154.60%
4.12	STORM SEWER, TRENCHED, 15 IN. DIA.	LF	1,070.00		1,070.00	$ 62.99	$ 67,399.30	1,082.00	$ 68,155.18	$ -	$ 68,155.18	(12.00)	101.12%
4.13	STORM SEWER, TRENCHED, 18 IN. DIA.	LF	601.00		601.00	$ 62.90	$ 37,802.90	601.00	$ 37,802.90	$ -	$ 37,802.90	-	100.00%
4.14	STORM SEWER, TRENCHED, 24 IN. DIA.	LF	769.00		769.00	$ 85.83	$ 66,003.27	796.00	$ 68,320.68	$ -	$ 68,320.68	(27.00)	103.51%
4.15	STORM SEWER, TRENCHED, SLOTTED DRAIN, 12 IN. DIA.	LF	220.00		220.00	$ 790.91	$ 174,000.20		$ -	$ -	$ -	220.00	0.00%
4.16	PIPE APRON, CMP, 24 IN. DIA.	EA	1.00		1.00	$ 2,300.00	$ 2,300.00	1.00	$ 2,300.00	$ -	$ 2,300.00	-	100.00%
4.17	PIPE APRON GUARD	EA	1.00		1.00	$ 1,180.00	$ 1,180.00		$ -	$ -	$ -	1.00	0.00%
4.18	SUBDRAIN CLEANOUT, TYPE A-1, 6 IN. DIA.	EA	2.00		2.00	$ 1,900.00	$ 3,800.00		$ -	$ -	$ -	2.00	0.00%
	WATER MAIN AND APPURTENANCES												
5.01	WATER MAIN, TRENCHED, PVC, 6 IN. DIA.	LF	895.00		895.00	$ 49.16	$ 43,998.20	1,025.00	$ 50,389.00	$ -	$ 50,389.00	(130.00)	114.53%
5.02	WATER SERVICE PIPE, TRENCHED, COPPER, 2 IN. DIA.	LF	925.00	(120.00)	805.00	$ 50.43	$ 40,596.15	830.00	$ 41,856.90	$ -	$ 41,856.90	(25.00)	103.11%
5.03	WATER SERVICE CURB STOP AND BOX, 2 IN. DIA.	EA	5.00	(1.00)	4.00	$ 1,950.00	$ 7,800.00	4.00	$ 7,800.00	$ -	$ 7,800.00	-	100.00%
5.04	FIRE HYDRANT ASSEMBLY	EA	2.00		2.00	$ 8,700.00	$ 17,400.00	2.00	$ 17,400.00	$ -	$ 17,400.00	-	100.00%
5.05	FIRE HYDRANT REMOVAL	EA	2.00		2.00	$ 1,575.00	$ 3,150.00	2.00	$ 3,150.00	$ -	$ 3,150.00	-	100.00%
	STRUCTURES FOR SANITARY AND STORM SEWER												
6.01	MANHOLE, TYPE SW-301, 48 IN. DIA. (SANITARY SEWER)	EA	7.00		7.00	$ 6,714.00	$ 46,998.00	6.00	$ 40,284.00	$ -	$ 40,284.00	1.00	85.71%
6.02	MANHOLE, TYPE SW-401, 48 IN. DIA. (STORM SEWER)	EA	18.00		18.00	$ 3,638.89	$ 65,500.02	18.00	$ 65,500.02	$ -	$ 65,500.02	-	100.00%
6.03	MANHOLE, TYPE SW-401, 60 IN. DIA. (STORM SEWER)	EA	1.00		1.00	$ 5,900.00	$ 5,900.00	1.00	$ 5,900.00	$ -	$ 5,900.00	-	100.00%
6.04	MANHOLE, TYPE SW-402, 5 FT. X 5 FT. (STORM SEWER)	EA	1.00		1.00	$ 6,400.00	$ 6,400.00	1.00	$ 6,400.00	$ -	$ 6,400.00	-	100.00%
6.05	MANHOLE, TYPE SW-403 MODIFIED, 7 FT. X 4 FT. (STORM SEWER)	EA	1.00		1.00	$11,200.00	$ 11,200.00	1.00	$ 11,200.00	$ -	$ 11,200.00	-	100.00%
6.06	INTAKE, TYPE SW-501, SINGLE GRATE INTAKE	EA	8.00		8.00	$ 3,318.75	$ 26,550.00	8.00	$ 26,550.00	$ -	$ 26,550.00	-	100.00%
6.07	INTAKE, TYPE SW-502, CIRCULAR SINGLE GRATE INTAKE, 48 IN. DIA.	EA	2.00		2.00	$ 4,000.00	$ 8,000.00	2.00	$ 8,000.00	$ -	$ 8,000.00	-	100.00%
6.08	INTAKE, TYPE SW-502, CIRCULAR SINGLE GRATE INTAKE, 60 IN. DIA.	EA	2.00		2.00	$ 5,775.00	$ 11,550.00	2.00	$ 11,550.00	$ -	$ 11,550.00	-	100.00%
6.09	INTAKE, TYPE SW-503, SINGLE GRATE INTAKE WITH MANHOLE	EA	2.00		2.00	$ 5,600.00	$ 11,200.00	2.00	$ 11,200.00	$ -	$ 11,200.00	-	100.00%
6.10	INTAKE, TYPE SW-504, SINGLE GRATE INTAKE WITH FLUSH-TOP MH	EA	1.00		1.00	$ 6,500.00	$ 6,500.00	1.00	$ 6,500.00	$ -	$ 6,500.00	-	100.00%
6.11	INTAKE, TYPE SW-511, RECTANGULAR AREA INTAKE	EA	7.00		7.00	$ 4,285.71	$ 29,999.97	7.00	$ 29,999.97	$ -	$ 29,999.97	-	100.00%
6.12	INTAKE, TYPE SW-512, CIRCULAR AREA INTAKE, 24 IN. DIA.	EA	3.00		3.00	$ 2,933.33	$ 8,799.99	2.00	$ 5,866.66	$ -	$ 5,866.66	1.00	66.67%
6.13	INTAKE, HDPE INLINE DRAIN, 24 IN. DIA.	EA	4.00		4.00	$ 3,825.00	$ 15,300.00		$ -	$ -	$ -	4.00	0.00%
6.14	INTAKE, HDPE INTAKE BASIN, 24 IN. DIA.	EA	6.00		6.00	$ 3,933.33	$ 23,599.98		$ -	$ -	$ -	6.00	0.00%
6.15	EXTERNAL DROP CONNECTION	EA	2.00		2.00	$17,700.00	$ 35,400.00	1.40	$ 24,780.00	$ -	$ 24,780.00	0.60	70.00%
6.16	MANHOLE ADJUSTMENT, MINOR	EA	9.00		9.00	$ 2,744.44	$ 24,699.96		$ -	$ -	$ -	9.00	0.00%
6.17	INTAKE ADJUSTMENT, MINOR	EA	1.00		1.00	$ 2,300.00	$ 2,300.00		$ -	$ -	$ -	1.00	0.00%
6.18	MANHOLE ADJUSTMENT, MAJOR	EA	1.00		1.00	$ 8,250.00	$ 8,250.00	2.00	$ 16,500.00	$ -	$ 16,500.00	(1.00)	200.00%
6.19	INTAKE ADJUSTMENT, MAJOR	EA	1.00		1.00	$13,440.00	$ 13,440.00	1.00	$ 13,440.00	$ -	$ 13,440.00	-	100.00%
6.20	CONNECTION TO EXISTING MANHOLE	EA	7.00		7.00	$ 6,571.43	$ 46,000.01	6.00	$ 39,428.58	$ -	$ 39,428.58	1.00	85.71%
6.21	CONNECTION TO EXISTING INTAKE	EA	2.00		2.00	$ 5,200.00	$ 10,400.00	4.00	$ 20,800.00	$ -	$ 20,800.00	(2.00)	200.00%
	STREETS AND RELATED WORK												
7.01	PAVEMENT, PCC, 8 IN.	SY	287.00		287.00	$ 62.72	$ 18,000.64	75.00	$ 4,704.00	$ -	$ 4,704.00	212.00	26.13%
7.02	PAVEMENT, PCC, 7 IN.	SY	414.00		414.00	$ 60.39	$ 25,001.46		$ -	$ -	$ -	414.00	0.00%
7.03	PAVEMENT, PCC, 6 IN.	SY	43,610.00		43,610.00	$ 47.24	$ 2,060,136.40	17,555.00	$ 829,298.20	$ -	$ 829,298.20	26,055.00	40.25%
7.04	CONCRETE MEDIAN	SY	45.00		45.00	$ 197.78	$ 8,900.10		$ -	$ -	$ -	45.00	0.00%
7.05	PCC PAVEMENT SAMPLES AND TESTING	LS	1.00		1.00	$30,000.00	$ 30,000.00	0.30	$ 9,000.00	$ -	$ 9,000.00	0.70	30.00%
7.06	REMOVAL OF CURB	LF	240.00		240.00	$ 22.92	$ 5,500.80	240.00	$ 5,500.80	$ -	$ 5,500.80	-	100.00%
7.07	SHARED USE PATH, PCC, 5 IN. WITH WELDED WIRE REINFORCEMENT (PLAZA)	SY	26,500.00		26,500.00	$ 63.85	$ 1,692,025.00	7,222.00	$ 461,124.70	$ -	$ 461,124.70	19,278.00	27.25%
7.08	SHARED USE PATH, PCC, 6 IN. (TRAIL)	SY	265.00		265.00	$ 64.15	$ 16,999.75	35.00	$ 2,245.25	$ -	$ 2,245.25	230.00	13.21%
7.09	SIDEWALK, PCC, 4 IN.	SY	500.00		500.00	$ 50.00	$ 25,000.00		$ -	$ -	$ -	500.00	0.00%
7.10	SIDEWALK, PCC, 5 IN. (CLASS A)	SY	2,100.00		2,100.00	$ 61.90	$ 129,990.00	305.00	$ 18,879.50	$ -	$ 18,879.50	1,795.00	14.52%
7.11	SIDEWALK, PCC, 6 IN. (RAMPS)	SY	270.00		270.00	$ 51.85	$ 13,999.50		$ -	$ -	$ -	270.00	0.00%
7.12	DETECTABLE WARNING	SF	325.00		325.00	$ 55.38	$ 17,998.50		$ -	$ -	$ -	325.00	0.00%
7.13	PAVEMENT REMOVAL	SY	40.00		40.00	$ 75.00	$ 3,000.00	10.00	$ 750.00	$ -	$ 750.00	30.00	25.00%
	TRAFFIC CONTROL AND SIGNALIZATION												
8.01	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	268.50		268.50	$ 113.15	$ 30,380.78		$ -	$ -	$ -	268.50	0.00%
8.02	PAINTED SYMBOLS AND LEGENDS	EA	31.00		31.00	$ 210.00	$ 6,510.00		$ -	$ -	$ -	31.00	0.00%
8.03	TEMPORARY TRAFFIC CONTROL	LS	1.00		1.00	$ 4,340.00	$ 4,340.00	1.00	$ 4,340.00	$ -	$ 4,340.00	-	100.00%
8.04	TEMPORARY PEDESTRIAN TRAFFIC CONTROL	LS	1.00		1.00	$ 2,712.00	$ 2,712.00	1.00	$ 2,712.00	$ -	$ 2,712.00	-	100.00%
8.05	TRAFFIC SIGNAGE	EA	40.00		40.00	$ 352.63	$ 14,105.20		$ -	$ -	$ -	40.00	0.00%
8.06	BOLLARDS	EA	145.00		145.00	$ 182.75	$ 26,498.75		$ -	$ -	$ -	145.00	0.00%
	SITE WORK AND LANDSCAPING												
9.01	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, TYPE 1	AC	1.30		1.30	$ 5,000.00	$ 6,500.00		$ -	$ -	$ -	1.30	0.00%
9.02	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, TYPE 3	AC	4.70		4.70	$ 1,193.62	$ 5,610.01		$ -	$ -	$ -	4.70	0.00%
9.03	CONVENTIONAL SEEDING, SEEDING, FERTILIZING TYPE 4 (TEMP SEED)	AC	52.70		52.70	$ 651.01	$ 34,308.23		$ -	$ -	$ -	52.70	0.00%
9.04	HYDRAULIC MULCHING (BFM)	AC	6.00		6.00	$ 4,883.33	$ 29,299.98		$ -	$ -	$ -	6.00	0.00%
9.05	SOD	SQ	1,082.00		1,082.00	$ 78.10	$ 84,504.20		$ -	$ -	$ -	1,082.00	0.00%
9.06	4 IN. METAL EDGE, LANDSCAPE BEDS	LF	1,302.00		1,302.00	$ 10.85	$ 14,126.70		$ -	$ -	$ -	1,302.00	0.00%
9.07	WOOD MULCH, LANDSCAPE BEDS	SF	11,962.00		11,962.00	$ 1.09	$ 13,038.58		$ -	$ -	$ -	11,962.00	0.00%
9.08	PLANTS, EVERGREEN TREES	EA	148.00		148.00	$ 486.49	$ 72,000.52		$ -	$ -	$ -	148.00	0.00%
9.09	PLANTS, ORNAMENTAL TREES	EA	57.00		57.00	$ 435.09	$ 24,800.13		$ -	$ -	$ -	57.00	0.00%
9.10	PLANTS, OVERSTORY TREES	EA	103.00		103.00	$ 541.75	$ 55,800.25		$ -	$ -	$ -	103.00	0.00%
9.11	PLANTS, SHRUBS	EA	92.00		92.00	$ 70.65	$ 6,499.80		$ -	$ -	$ -	92.00	0.00%
9.12	SWPPP MANAGEMENT	LS	1.00		1.00	$ 5,500.00	$ 5,500.00	0.40	$ 2,200.00	$ -	$ 2,200.00	0.60	40.00%
9.13	FILTER SOCKS, 12 IN.	LF	2,410.00		2,410.00	$ 3.61	$ 8,700.10	2,410.00	$ 8,700.10	$ -	$ 8,700.10	-	100.00%
9.14	FILTER SOCKS, REMOVAL	LF	2,410.00		2,410.00	$ 0.50	$ 1,205.00		$ -	$ -	$ -	2,410.00	0.00%
9.15	RIP RAP, CLASS E	TON	15.00		15.00	$ 212.67	$ 3,190.05		$ -	$ -	$ -	15.00	0.00%
9.16	SILT FENCE	LF	8,415.00		8,415.00	$ 1.43	$ 12,033.45	3,166.00	$ 4,527.38	$ -	$ 4,527.38	5,249.00	37.62%
9.17	SILT FENCE, REMOVAL OF DEVICE	LF	8,415.00		8,415.00	$ 0.19	$ 1,598.85	5,450.00	$ 1,035.50	$ -	$ 1,035.50	2,965.00	64.77%
9.18	STABILIZED CONSTRUCTION ENTRANCE	SY	800.00		800.00	$ 40.00	$ 32,000.00	800.00	$ 32,000.00	$ -	$ 32,000.00	-	100.00%
9.19	EROSION CONTROL MULCHING, STRAW	AC	52.70		52.70	$ 616.70	$ 32,500.09	46.00	$ 28,368.20	$ -	$ 28,368.20	6.70	87.29%
9.20	INLET PROTECTION DEVICE, DROP-IN	EA	44.00		44.00	$ 170.45	$ 7,499.80		$ -	$ -	$ -	44.00	0.00%
9.21	INLET PROTECTION DEVICE, MAINTENANCE	EA	44.00		44.00	$ 11.36	$ 499.84		$ -	$ -	$ -	44.00	0.00%

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	VALUE OF STORED MATERIALS REMAINING	TOTAL COMPLETED WORK AND STORED MATERIALS	REMAINING QUANTITY	PERCENT COMPLETE
9.22	CHAIN LINK FENCE, BLACK VINYL, 6 FT. TALL	LF	12,920.00		12,920.00	$ 29.49	$ 381,010.80	4,522.00	$ 133,353.78	$ -	$ 133,353.78	8,398.00	35.00%
9.23	CHAIN LINK FENCE, BLACK VINYL, 8 FT. TALL	LF	1,200.00		1,200.00	$ 61.50	$ 73,800.00	264.00	$ 16,236.00	$ -	$ 16,236.00	936.00	22.00%
9.24	CHAIN LINK FENCE, BLACK VINYL, 10 FT. TALL	LF	1,455.00		1,455.00	$ 102.41	$ 149,006.55		$ -	$ -	$ -	1,455.00	0.00%
9.25	GATES, SWINGING, 6 FT. TALL X 12 FT. WIDE	EA	12.00		12.00	$ 1,741.67	$ 20,900.04		$ -	$ -	$ -	12.00	0.00%
9.26	GATES, SWINGING, 6 FT. TALL X 10 FT. WIDE	EA	2.00		2.00	$ 1,850.00	$ 3,700.00		$ -	$ -	$ -	2.00	0.00%
9.27	GATES, SWINGING, 8 FT. TALL X 4 FT. WIDE	EA	36.00		36.00	$ 1,222.22	$ 43,999.92		$ -	$ -	$ -	36.00	0.00%
9.28	TIE-BACK TENSION NETTING, 30 FT. TALL	EA	12.00		12.00	$74,955.42	$ 899,465.04	9.00	$ 674,598.78	$ -	$ 674,598.78	3.00	75.00%
9.29	TIE-BACK TENSION NETTING, 40 FT. TALL	EA	6.00		6.00	$95,208.75	$ 571,252.50	4.00	$ 380,835.00	$ -	$ 380,835.00	2.00	66.67%
9.30	BALL CONTROL NETTING, BRAIDED AND KNOTLESS, 14 FT. TALL	LF	3,155.00		3,155.00	$ 236.95	$ 747,577.25	1,800.00	$ 426,510.00	$ -	$ 426,510.00	1,355.00	57.05%
9.31	CONSTRUCTED DUGOUT ROOF, 8 FT. X 30 FT.	EA	24.00		24.00	$ 7,440.00	$ 178,560.00		$ -	$ -	$ -	24.00	0.00%
9.32	CONSTRUCTED DUGOUT ROOF, 8 FT. X 40 FT.	EA	12.00		12.00	$ 9,920.00	$ 119,040.00		$ -	$ -	$ -	12.00	0.00%
9.33	RETAINING WALL	SF	1,525.00		1,525.00	$ 69.51	$ 106,002.75	1,525.00	$ 106,002.75	$ -	$ 106,002.75	-	100.00%
9.34	SYNTHETIC TURF	SF	1,184,016.00		1,184,016.00	$ 6.14	$ 7,269,858.24	72,224.00	$ 443,455.36	$ -	$ 443,455.36	1,111,792.00	6.10%
	MISCELLANEOUS												
11.01	MOBILIZATION	LS	1.00		1.00	$15,000.00	$ 15,000.00	0.50	$ 7,500.00	$ -	$ 7,500.00	0.50	50.00%
11.02	CONCRETE WASHOUT	EA	2.00		2.00	$8,000.00	$ 16,000.00	0.40	$ 3,200.00	$ -	$ 3,200.00	1.60	20.00%
11.03	BASE BID ELECTRICAL	LS	1.00		1.00	$575,000.00	$ 575,000.00	0.45	$ 258,750.00	$ -	$ 258,750.00	0.55	45.00%
11.04	BID ALTERNATE 1 ELECTRICAL	LS	1.00		1.00	$870,000.00	$ 870,000.00	0.36	$ 313,200.00	$ -	$ 313,200.00	0.64	36.00%
11.06	BID ALTERNATE 4 ELECTRICAL	LS	1.00		1.00	$2,997,800.00	$ 2,997,800.00	0.95	$ 2,847,910.00	$ -	$ 2,847,910.00	0.05	95.00%
	CHANGE ORDER ITEMS												
12.01	TRACER WIRE AND TERMINAL	LS		1.00	1.00	$ 1,195.00	$ 1,195.00	1.00	$ 1,195.00	$ -	$ 1,195.00	-	100.00%
12.02	REV #5A ELECTRICAL REVISIONS	LS		1.00	1.00	$95,854.00	$ 95,854.00	0.33	$ 31,631.82	$ -	$ 31,631.82	0.67	33.00%
					-		$ -		$ -			-	0.00%
					-		$ -		$ -			-	0.00%
					-		$ -		$ -			-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $23,405,629.51 $10,123,296.31 0.00%

STORED MATERIALS COST

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	PROPOSED STORED VALUE	QUANTITY CHANGE - 1	QUANTITY CHANGE - 2	TOTAL VALUE	UNIT PRICE	EQUIVALENT UNIT AMOUNT	REMAINING EQUIVALENT AMOUNT	VALUE OF STORED MATERIALS REMAINING	PERCENT COMPLETE
	EARTHWORK										
2.01	CLEARING AND GRUBBING	LS				$ -	$28,000.00	0.00	-	$ -	0.00%
2.02	TOPSOIL, ONSITE	CY				$ -	$ 12.53	0.00	-	$ -	0.00%
2.03	EXCAVATION, CLASS 10 (ON-SITE)	CY				$ -	$ 8.58	0.00	-	$ -	0.00%
2.04	BELOW GRADE EXCAVATION (CORE OUT)	CY				$ -	$ 24.00	0.00	-	$ -	0.00%
2.05	SUBGRADE PREPARATION, 6 IN. DEPTH	SY				$ -	$ 3.05	0.00	-	$ -	0.00%
2.06	SUBGRADE PREPARATION, 12 IN. DEPTH	SY				$ -	$ 2.70	0.00	-	$ -	0.00%
2.07	SUBGRADE TREATMENT, 12 IN. DEPTH	SY				$ -	$ 9.22	0.00	-	$ -	0.00%
2.08	COMPACTION TESTING	LS				$ -	$22,000.00	0.00	-	$ -	0.00%
	TRENCH EXCAVATION AND BACKFILL										
3.01	TRENCH COMPACTION TESTING	LS				$ -	$ 9,500.00	0.00	-	$ -	0.00%
	SEWERS AND DRAINS										
4.01	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 6 IN. DIA.	LF				$ -	$ 67.37	0.00	-	$ -	0.00%
4.02	SANITARY SEWER CLEANOUT	EA				$ -	$ 1,760.00	0.00	-	$ -	0.00%
4.03	STORM SEWER, TRENCHED, HDPE, 6 IN. DIA.	LF				$ -	$ 48.95	0.00	-	$ -	0.00%
4.04	STORM SEWER, TRENCHED, HDPE, 12 IN. DIA.	LF				$ -	$ 54.51	0.00	-	$ -	0.00%
4.05	STORM SEWER, TRENCHED, HDPE, 18 IN. DIA.	LF				$ -	$ 80.33	0.00	-	$ -	0.00%
4.06	STORM SEWER, TRENCHED, HDPE, 24 IN. DIA.	LF				$ -	$ 82.58	0.00	-	$ -	0.00%
4.07	STORM SEWER, TRENCHED, PERFORATED HDPE, 12 IN. DIA.	LF				$ -	$ 61.85	0.00	-	$ -	0.00%
4.08	STORM SEWER, TRENCHED, PERFORATED HDPE, 15 IN. DIA.	LF				$ -	$ 64.30	0.00	-	$ -	0.00%
4.09	STORM SEWER, TRENCHED, PERFORATED HDPE, 18 IN. DIA.	LF				$ -	$ 66.11	0.00	-	$ -	0.00%
4.10	STORM SEWER, TRENCHED, PERFORATED HDPE, 24 IN. DIA.	LF				$ -	$ 89.79	0.00	-	$ -	0.00%
4.11	STORM SEWER, TRENCHED, 12 IN. DIA.	LF				$ -	$ 53.37	0.00	-	$ -	0.00%
4.12	STORM SEWER, TRENCHED, 15 IN. DIA.	LF				$ -	$ 62.99	0.00	-	$ -	0.00%
4.13	STORM SEWER, TRENCHED, 18 IN. DIA.	LF				$ -	$ 62.90	0.00	-	$ -	0.00%
4.14	STORM SEWER, TRENCHED, 24 IN. DIA.	LF				$ -	$ 85.83	0.00	-	$ -	0.00%
4.15	STORM SEWER, TRENCHED, SLOTTED DRAIN, 12 IN. DIA.	LF				$ -	$ 790.91	0.00	-	$ -	0.00%
4.16	PIPE APRON, CMP, 24 IN. DIA.	EA				$ -	$ 2,300.00	0.00	-	$ -	0.00%
4.17	PIPE APRON GUARD	EA				$ -	$ 1,180.00	0.00	-	$ -	0.00%
4.18	SUBDRAIN CLEANOUT, TYPE A-1, 6 IN. DIA.	EA				$ -	$ 1,900.00	0.00	-	$ -	0.00%
	WATER MAIN AND APPURTENANCES										
5.01	WATER MAIN, TRENCHED, PVC, 6 IN. DIA.	LF				$ -	$ 49.16	0.00	-	$ -	0.00%
5.02	WATER SERVICE PIPE, TRENCHED, COPPER, 2 IN. DIA.	LF				$ -	$ 50.43	0.00	-	$ -	0.00%
5.03	WATER SERVICE CURB STOP AND BOX, 2 IN. DIA.	EA				$ -	$ 1,950.00	0.00	-	$ -	0.00%
5.04	FIRE HYDRANT ASSEMBLY	EA				$ -	$ 8,700.00	0.00	-	$ -	0.00%
5.05	FIRE HYDRANT REMOVAL	EA				$ -	$ 1,575.00	0.00	-	$ -	0.00%
	STRUCTURES FOR SANITARY AND STORM SEWER										
6.01	MANHOLE, TYPE SW-301, 48 IN. DIA. (SANITARY SEWER)	EA				$ -	$ 6,714.00	0.00	-	$ -	0.00%
6.02	MANHOLE, TYPE SW-401, 48 IN. DIA. (STORM SEWER)	EA				$ -	$ 3,638.89	0.00	-	$ -	0.00%
6.03	MANHOLE, TYPE SW-401, 60 IN. DIA. (STORM SEWER)	EA				$ -	$ 5,900.00	0.00	-	$ -	0.00%
6.04	MANHOLE, TYPE SW-402, 5 FT. X 5 FT. (STORM SEWER)	EA				$ -	$ 6,400.00	0.00	-	$ -	0.00%
6.05	MANHOLE, TYPE SW-403 MODIFIED, 7 FT. X 4 FT. (STORM SEWER)	EA				$ -	$11,200.00	0.00	-	$ -	0.00%
6.06	INTAKE, TYPE SW-501, SINGLE GRATE INTAKE	EA				$ -	$ 3,318.75	0.00	-	$ -	0.00%
6.07	INTAKE, TYPE SW-502, CIRCULAR SINGLE GRATE INTAKE, 48 IN. DIA.	EA				$ -	$ 4,000.00	0.00	-	$ -	0.00%
6.08	INTAKE, TYPE SW-502, CIRCULAR SINGLE GRATE INTAKE, 60 IN. DIA.	EA				$ -	$ 5,775.00	0.00	-	$ -	0.00%
6.09	INTAKE, TYPE SW-503, SINGLE GRATE INTAKE WITH MANHOLE	EA				$ -	$ 5,600.00	0.00	-	$ -	0.00%
6.10	INTAKE, TYPE SW-504, SINGLE GRATE INTAKE WITH FLUSH-TOP MH	EA				$ -	$ 6,500.00	0.00	-	$ -	0.00%
6.11	INTAKE, TYPE SW-511, RECTANGULAR AREA INTAKE	EA				$ -	$ 4,285.71	0.00	-	$ -	0.00%
6.12	INTAKE, TYPE SW-512, CIRCULAR AREA INTAKE, 24 IN. DIA.	EA				$ -	$ 2,933.33	0.00	-	$ -	0.00%
6.13	INTAKE, HDPE INLINE DRAIN, 24 IN. DIA.	EA				$ -	$ 3,825.00	0.00	-	$ -	0.00%
6.14	INTAKE, HDPE INTAKE BASIN, 24 IN. DIA.	EA				$ -	$ 3,933.33	0.00	-	$ -	0.00%
6.15	EXTERNAL DROP CONNECTION	EA				$ -	$17,700.00	0.00	-	$ -	0.00%
6.16	MANHOLE ADJUSTMENT, MINOR	EA				$ -	$ 2,744.44	0.00	-	$ -	0.00%
6.17	INTAKE ADJUSTMENT, MINOR	EA				$ -	$ 2,300.00	0.00	-	$ -	0.00%
6.18	MANHOLE ADJUSTMENT, MAJOR	EA				$ -	$ 8,250.00	0.00	-	$ -	0.00%
6.19	INTAKE ADJUSTMENT, MAJOR	EA				$ -	$13,440.00	0.00	-	$ -	0.00%
6.20	CONNECTION TO EXISTING MANHOLE	EA				$ -	$ 6,571.43	0.00	-	$ -	0.00%
6.21	CONNECTION TO EXISTING INTAKE	EA				$ -	$ 5,200.00	0.00	-	$ -	0.00%
	STREETS AND RELATED WORK										
7.01	PAVEMENT, PCC, 8 IN.	SY				$ -	$ 62.72	0.00	-	$ -	0.00%
7.02	PAVEMENT, PCC, 7 IN.	SY				$ -	$ 60.39	0.00	-	$ -	0.00%
7.03	PAVEMENT, PCC, 6 IN.	SY				$ -	$ 47.24	0.00	-	$ -	0.00%
7.04	CONCRETE MEDIAN	SY				$ -	$ 197.78	0.00	-	$ -	0.00%
7.05	PCC PAVEMENT SAMPLES AND TESTING	LS				$ -	$30,000.00	0.00	-	$ -	0.00%
7.06	REMOVAL OF CURB	LF				$ -	$ 22.92	0.00	-	$ -	0.00%
7.07	SHARED USE PATH, PCC, 5 IN. WITH WELDED WIRE REINFORCEMENT (PLAZA)	SY				$ -	$ 63.85	0.00	-	$ -	0.00%
7.08	SHARED USE PATH, PCC, 6 IN. (TRAIL)	SY				$ -	$ 64.15	0.00	-	$ -	0.00%
7.09	SIDEWALK, PCC, 4 IN.	SY				$ -	$ 50.00	0.00	-	$ -	0.00%
7.10	SIDEWALK, PCC, 5 IN. (CLASS A)	SY				$ -	$ 61.90	0.00	-	$ -	0.00%
7.11	SIDEWALK, PCC, 6 IN. (RAMPS)	SY				$ -	$ 51.85	0.00	-	$ -	0.00%
7.12	DETECTABLE WARNING	SF				$ -	$ 55.38	0.00	-	$ -	0.00%
7.13	PAVEMENT REMOVAL	SY				$ -	$ 75.00	0.00	-	$ -	0.00%
	TRAFFIC CONTROL AND SIGNALIZATION										
8.01	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA				$ -	$ 113.15	0.00	-	$ -	0.00%
8.02	PAINTED SYMBOLS AND LEGENDS	EA				$ -	$ 210.00	0.00	-	$ -	0.00%
8.03	TEMPORARY TRAFFIC CONTROL	LS				$ -	$ 4,340.00	0.00	-	$ -	0.00%
8.04	TEMPORARY PEDESTRIAN TRAFFIC CONTROL	LS				$ -	$ 2,712.00	0.00	-	$ -	0.00%
8.05	TRAFFIC SIGNAGE	EA				$ -	$ 352.63	0.00	-	$ -	0.00%
8.06	BOLLARDS	EA				$ -	$ 182.75	0.00	-	$ -	0.00%
	SITE WORK AND LANDSCAPING										

STORED MATERIALS COST

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	PROPOSED STORED VALUE	QUANTITY CHANGE - 1	QUANTITY CHANGE - 2	TOTAL VALUE	UNIT PRICE	EQUIVALENT UNIT AMOUNT	REMAINING EQUIVALENT AMOUNT	VALUE OF STORED MATERIALS REMAINING	PERCENT COMPLETE
9.01	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, TYPE 1	AC				$ -	$ 5,000.00	0.00	-	$ -	0.00%
9.02	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, TYPE 3	AC				$ -	$ 1,193.62	0.00	-	$ -	0.00%
9.03	CONVENTIONAL SEEDING, SEEDING, FERTILIZING TYPE 4 (TEMP SEED)	AC				$ -	$ 651.01	0.00	-	$ -	0.00%
9.04	HYDRAULIC MULCHING (BFM)	AC				$ -	$ 4,883.33	0.00	-	$ -	0.00%
9.05	SOD	SQ				$ -	$ 78.10	0.00	-	$ -	0.00%
9.06	4 IN. METAL EDGE, LANDSCAPE BEDS	LF				$ -	$ 10.85	0.00	-	$ -	0.00%
9.07	WOOD MULCH, LANDSCAPE BEDS	SF				$ -	$ 1.09	0.00	-	$ -	0.00%
9.08	PLANTS, EVERGREEN TREES	EA				$ -	$ 486.49	0.00	-	$ -	0.00%
9.09	PLANTS, ORNAMENTAL TREES	EA				$ -	$ 435.09	0.00	-	$ -	0.00%
9.10	PLANTS, OVERSTORY TREES	EA				$ -	$ 541.75	0.00	-	$ -	0.00%
9.11	PLANTS, SHRUBS	EA				$ -	$ 70.65	0.00	-	$ -	0.00%
9.12	SWPPP MANAGEMENT	LS				$ -	$ 5,500.00	0.00	-	$ -	0.00%
9.13	FILTER SOCKS, 12 IN.	LF				$ -	$ 3.61	0.00	-	$ -	0.00%
9.14	FILTER SOCKS, REMOVAL	LF				$ -	$ 0.50	0.00	-	$ -	0.00%
9.15	RIP RAP, CLASS E	TON				$ -	$ 212.67	0.00	-	$ -	0.00%
9.16	SILT FENCE	LF				$ -	$ 1.43	0.00	-	$ -	0.00%
9.17	SILT FENCE, REMOVAL OF DEVICE	LF				$ -	$ 0.19	0.00	-	$ -	0.00%
9.18	STABILIZED CONSTRUCTION ENTRANCE	SY				$ -	$ 40.00	0.00	-	$ -	0.00%
9.19	EROSION CONTROL MULCHING, STRAW	AC				$ -	$ 616.70	0.00	-	$ -	0.00%
9.20	INLET PROTECTION DEVICE, DROP-IN	EA				$ -	$ 170.45	0.00	-	$ -	0.00%
9.21	INLET PROTECTION DEVICE, MAINTENANCE	EA				$ -	$ 11.36	0.00	-	$ -	0.00%
9.22	CHAIN LINK FENCE, BLACK VINYL, 6 FT. TALL	LF				$ -	$ 29.49	0.00	-	$ -	0.00%
9.23	CHAIN LINK FENCE, BLACK VINYL, 8 FT. TALL	LF				$ -	$ 61.50	0.00	-	$ -	0.00%
9.24	CHAIN LINK FENCE, BLACK VINYL, 10 FT. TALL	LF				$ -	$ 102.41	0.00	-	$ -	0.00%
9.25	GATES, SWINGING, 6 FT. TALL X 12 FT. WIDE	EA				$ -	$ 1,741.67	0.00	-	$ -	0.00%
9.26	GATES, SWINGING, 6 FT. TALL X 10 FT. WIDE	EA				$ -	$ 1,850.00	0.00	-	$ -	0.00%
9.27	GATES, SWINGING, 8 FT. TALL X 4 FT. WIDE	EA				$ -	$ 1,222.22	0.00	-	$ -	0.00%
9.28	TIE-BACK TENSION NETTING, 30 FT. TALL	EA				$ -	$74,955.42	0.00	-	$ -	0.00%
9.29	TIE-BACK TENSION NETTING, 40 FT. TALL	EA				$ -	$95,208.75	0.00	-	$ -	0.00%
9.30	BALL CONTROL NETTING, BRAIDED AND KNOTLESS, 14 FT. TALL	LF				$ -	$ 236.95	0.00	-	$ -	0.00%
9.31	CONSTRUCTED DUGOUT ROOF, 8 FT. X 30 FT.	EA				$ -	$ 7,440.00	0.00	-	$ -	0.00%
9.32	CONSTRUCTED DUGOUT ROOF, 8 FT. X 40 FT.	EA				$ -	$ 9,920.00	0.00	-	$ -	0.00%
9.33	RETAINING WALL	SF				$ -	$ 69.51	0.00	-	$ -	0.00%
9.34	SYNTHETIC TURF	SF				$ -	$ 6.14	0.00	-	$ -	0.00%
	MISCELLANEOUS										
11.01	MOBILIZATION	LS				$ -	$15,000.00	0.00	-	$ -	0.00%
11.02	CONCRETE WASHOUT	EA				$ -	$ 8,000.00	0.00	-	$ -	0.00%
11.03	BASE BID ELECTRICAL	LS				$ -	$575,000.00	0.00	-	$ -	0.00%
11.04	BID ALTERNATE 1 ELECTRICAL	LS	$86,600.00			$86,600.00	$870,000.00	0.10	-	$ -	0.00%
11.06	BID ALTERNATE 4 ELECTRICAL	LS	$131,250.00			$131,250.00	$ 2,997,800.00	0.04	-	$ -	0.00%
	CHANGE ORDER ITEMS										
12.01	TRACER WIRE AND TERMINAL	LS				$ -	$ 1,195.00	0.00	-	$ -	0.00%
	REV #5A ELECTRICAL REVISIONS	LS				$ -	$95,854.00	0	-	$ -	0.00%
						$ -	$ -				0.00%
						$ -	$ -				0.00%
						$ -	$ -				0.00%

TOTAL VALUE OF STORED MATERIALS AND VALUE OF STORED MARTERIALS REMAINING TO DATE $217,850.00 $ - 0.00%

Date printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	December 13, 2022	$ 390,549.82
2	January 10, 2023	$ 766,370.40
3	April 25, 2023	$ 883,644.32
4	May 23, 2023	$1,978,044.94
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 4,018,609.48**

Record of Change Orders

No.	Date	Amount
1	December 13, 2022	$ (6,806.60)
2	May 9, 2023	$ 95,854.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 89,047.40**

Contract Time Remaining

Contract Period:	CALENDAR DAYS
Original Contract Date:	November 8, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title: Iowa Highway 44 Trail Extension
Contractor: Howrey Construction
Address: 316 Austin Street, Rockwell City, IA 50579
Finance Budget Code: 377-430-6499 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: April 11, 2023 ***Vendor #*** 4510

Date of Council Meeting: June 13, 2023 **PAYMENT REQUEST #** 1
PAYMENT PERIOD: From: May 1, 2023 Through: May 26, 2023

Contract Summary

Original Contract Amount:	$ 452,810.00			
Net change by Change Orders:	$ -			
Contract Amount to Date: (line 1 ± 2)		$ 452,810.00		
Total completed and stored to date:	$ 157,274.55			
Retainage: 5 % of Completed Work:	$ 7,863.73			
Total Earned less Retainage:		$ 149,410.82		
Less previous applications for payment:		$ -		
SUBTOTAL			$	149,410.82
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	149,410.82
Balance to finish, including retainage:		$ 303,399.18		
Contract Time Remaining (If applicable)	21.00	WORKING DAYS		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Howrey Construction
Firm Name

Signature 6/2/2023
Date

Engineer / Consultant Approval:
Firm Name

Signature Date

City of Grimes Staff Approval:

Signature 6-7-23
Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*
E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	VALUE OF STORED MATERIALS REMAINING	TOTAL COMPLETED WORK AND STORED MATERIALS	REMAINING QUANTITY	PERCENT COMPLETE
1	CLEARING AND GRUBBING	LS	1.00		1.00	$ 6,000.00	$ 6,000.00	0.90	$ 5,400.00	$ -	$ 5,400.00	0.10	90.00%
2	TOPSOIL, ON-SITE 4" DEPTH	CY	1,100.00		1,100.00	$ 10.25	$ 11,275.00	550.00	$ 5,637.50	$ -	$ 5,637.50	550.00	50.00%
3	EXCAVATION, CLASS 10	CY	1,025.00		1,025.00	$ 14.00	$ 14,350.00	512.50	$ 7,175.00	$ -	$ 7,175.00	512.50	50.00%
4	REMOVAL OF STORM SEWER, 48 IN.	LF	16.00		16.00	$ 681.00	$ 10,896.00	16.00	$ 10,896.00	$ -	$ 10,896.00	-	100.00%
5	PIPE CULVERT, TRENCHED, RCAP, 24 IN. EQ	LF	210.00		210.00	$ 155.00	$ 32,550.00	210.00	$ 32,550.00	$ -	$ 32,550.00	-	100.00%
6	PIPE CULVERT, TRENCHED, 48 IN.	LF	16.00		16.00	$ 753.50	$ 12,056.00	16.00	$ 12,056.00	$ -	$ 12,056.00	-	100.00%
7	PIPE APRON, FOOTING, AND GUARD, RCAP, 24 IN. EQ	EA	1.00		1.00	$ 5,819.00	$ 5,819.00	1.00	$ 5,819.00	$ -	$ 5,819.00	-	100.00%
8	MANHOLE, SW-401, 84" DIAMETER	EA	1.00		1.00	$18,061.00	$ 18,061.00	1.00	$ 18,061.00	$ -	$ 18,061.00	-	100.00%
9	MANHOLE ADJUSTMENT, MINOR	EA	1.00		1.00	$ 1,000.00	$ 1,000.00	-	$ -	$ -	$ -	1.00	0.00%
10	MANHOLE ADJUSTMENT, MAJOR	EA	3.00		3.00	$ 3,000.00	$ 9,000.00	2.00	$ 6,000.00	$ -	$ 6,000.00	1.00	66.67%
11	CURB AND GUTTER, 2 FT.	LF	45.00		45.00	$ 60.00	$ 2,700.00	49.00	$ 2,940.00	$ -	$ 2,940.00	(4.00)	108.89%
12	REMOVAL OF SIDEWALK	SY	14.00		14.00	$ 23.00	$ 322.00	14.00	$ 322.00	$ -	$ 322.00	-	100.00%
13	REMOVAL OF CURB	LF	42.00		42.00	$ 20.00	$ 840.00	36.00	$ 720.00	$ -	$ 720.00	6.00	85.71%
14	SHARED USE PATH, PCC, 6 IN	SY	4,486.00		4,486.00	$ 36.50	$ 163,739.00	116.70	$ 4,259.55	$ -	$ 4,259.55	4,369.30	2.60%
15	SPECIAL SUBGRADE PREP. FOR SHARED USE PATH	SY	6,280.00		6,280.00	$ 2.00	$ 12,560.00	2,598.00	$ 5,196.00	$ -	$ 5,196.00	3,682.00	41.37%
16	DETECTABLE WARNING, CAST IRON	SF	120.00		120.00	$ 60.00	$ 7,200.00	45.00	$ 2,700.00	$ -	$ 2,700.00	75.00	37.50%
17	SHARED USE PATH ASSURANCE TESTING	LS	1.00		1.00	$ 3,000.00	$ 3,000.00	0.10	$ 300.00	$ -	$ 300.00	0.90	10.00%
18	CURB AND GUTTER REMOVAL	LF	45.00		45.00	$ 30.00	$ 1,350.00	49.00	$ 1,470.00	$ -	$ 1,470.00	(4.00)	108.89%
19	TRAFFIC SIGNAL MODIFICATIONS	LS	1.00		1.00	$52,500.00	$ 52,500.00	0.25	$ 13,125.00	$ -	$ 13,125.00	0.75	25.00%
20	PAINTED PAVEMENT MARKINGS, SOLVENT/WQATERBORNE	STA	5.50		5.50	$ 1,000.00	$ 5,500.00	-	$ -	$ -	$ -	5.50	0.00%
21	PAINTED PAVEMENT MARKINGS REMOVED	STA	4.50		4.50	$ 1,500.00	$ 6,750.00	-	$ -	$ -	$ -	4.50	0.00%
22	SYMBOLS AND LEGENDS REMOVED	EA	1.00		1.00	$ 500.00	$ 500.00	-	$ -	$ -	$ -	1.00	0.00%
23	TEMPORARY TRAFFIC CONTROL	LS	1.00		1.00	$ 5,890.00	$ 5,890.00	0.25	$ 1,472.50	$ -	$ 1,472.50	0.75	25.00%
24	HYDRAULIC SEEDING, FERTIZING, AND MULCHING, TYPE 2	AC	3.20		3.20	$ 2,955.00	$ 9,456.00	-	$ -	$ -	$ -	3.20	0.00%
25	SWPPP PREPARATION	LS	1.00		1.00	$ 2,000.00	$ 2,000.00	1.00	$ 2,000.00	$ -	$ 2,000.00	-	100.00%
26	SWPPP MANAGEMENT	LS	1.00		1.00	$ 4,000.00	$ 4,000.00	0.20	$ 800.00	$ -	$ 800.00	0.80	20.00%
27	FILTER SOCK, 9"	LF	900.00		900.00	$ 3.00	$ 2,700.00	125.00	$ 375.00	$ -	$ 375.00	775.00	13.89%
28	FILTER SOCK, REMOVAL	LF	900.00		900.00	$ 0.50	$ 450.00	-	$ -	$ -	$ -	900.00	0.00%
29	STABILIZED CONSTRUCTION ENTRANCE	SY	250.00		250.00	$ 25.00	$ 6,250.00	-	$ -	$ -	$ -	250.00	0.00%
30	EROSION CONSTROL MULCHING, HYDROMULCHING	AC	3.20		3.20	$ 2,155.00	$ 6,896.00	-	$ -	$ -	$ -	3.20	0.00%
31	MOBILIZATION	LS	1.00		1.00	$35,700.00	$ 35,700.00	0.50	$ 17,850.00	$ -	$ 17,850.00	0.50	50.00%
32	CONCRETE WASHOUT	LS	1.00		1.00	$ 1,500.00	$ 1,500.00	0.10	$ 150.00	$ -	$ 150.00	0.90	10.00%
	Change Order Item												
1					-		$ -	-	$ -			-	0.00%
2					-		$ -		$ -			-	0.00%
3					-		$ -		$ -			-	0.00%
4					-		$ -		$ -			-	0.00%
5					-		$ -		$ -			-	0.00%
6					-		$ -		$ -			-	0.00%
7					-		$ -		$ -			-	0.00%
8					-		$ -		$ -	#REF!		-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $ 452,810.00 $ 157,274.55 34.73%

Date printed: 6/2/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ -**

Record of Change Orders

No.	Date	Amount
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ -**

Contract Time Remaining

Contract Period:	WORKING DAYS
Original Contract Date:	April 11, 2023
Original Contract Time:	40.00
Added by Change Order:	
Contract Time to Date:	40.00
Time Used to Date:	19.00
Contract Time Remaining:	**21.00**

Date Printed: 6/2/2023

Performance Contracting, Inc.
3405 SE Crossroads Drive
Suites G, H, J, K, L, M
Grimes, IA 50111

Phone:515-986-3677 Fax:

Progress Billing

Invoice Number: 01IN-0475072

THE WEITZ COMPANY
10901 WEST 84TH TERRACE
LENEXA, KS 66214

Invoice Date	Terms
May 21,2023	Net 30 (AR)
PCI Branch	**PCI Project Number**
587	22-02722
PCI Customer No	**Customer Contract No.**
01-102465	

Project name	Draw Number	Period	Customers Project No.	Retention 0.00%
GRIMES LIBRARY	7	05/01/23 - 05/31/23	Purchase Order No.	

Original Contract Amount			1,480,220.00
Change orders 0 thru 0			0.00
Revised Contract Amount			1,480,220.00
Previously Billed			770,222.00
This Period			111,650.00
Total To-Date	59.577%		881,872.00
Less Retention	5%	(	44,093.60)
Sub-Total			**837,778.40**
Less Previous Invoices		(	731,710.90)
TOTAL AMOUNT DUE THIS INVOICE:			**106,067.50**

Remit to: Performance Contracting Group, Inc.

BOX 872346
Kansas City, MO 64187

Performance Contracting, Inc.
3405 SE Crossroads Drive
Suites G, H, J, K, L, M
Grimes, IA 50111

APPLICATION FOR PAYMENT

To: THE WEITZ COMPANY
10901 WEST 84TH TERRACE
LENEXA, KS 66214

PROJECT: GRIMES LIBRARY
SCOPE:

DRAW NUMBER:	7
PERIOD TO:	05/31/23
CUSTOMERS PROJECT NO:	
PO NO:	
INVOICE NUMBER:	01IN-0475072
INVOICE DATE:	05/21/23

Application is made for payment, as shown below

1. ORIGINAL CONTRACT SUM		**1,480,220.00**
2. Net Change By Change Orders		**0.00**
3. CONTRACT SUM TO DATE (Line 1 +/- 2)		**1,480,220.00**
4. TOTAL COMPLETED & STORED TO DATE (Column C7 on SOV)		**881,872.00**
5. RETAINAGE		
a. 0.00 % of Completed Work (Columns C4+C5 on SOV)	**44,093.60**	
b. 0.00 % of Stored Material (Column C6 on SOV)	**0.00**	
Total Retainage(Line 5a + 5b or Total in Column C10 of SOV)		**44,093.60**
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)		**837,778.40**
7. LESS PREVIOUS CERTFIFCATES FOR PAYMENT (Line 6 from prior Certificate)		**731,710.90**
8. SALES TAX		**0.00**
9. CURRENT PAYMENT DUE		**106,067.50**
10. BALANCE TO FINISH, INCLUDING RETAINAGE		**642,441.60**

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months	0.00	0.00
Total approved this Month	0.00	0.00
TOTALS	0.00	0.00
NET CHANGES by Change Order		0.00

Performance Contracting, Inc. certifies that to the best of our knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by Performance Contracting, Inc. for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

By: Wes Leon Date : 5/25/2023

State of: MO

County of: Jackson

Subscribed and sworn to before me this 25th day of May, 2023

Notary Public: Alia Trenary
My Commission expires: 11-4-24

ALIA TRENARY
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
MY COMMISSION EXPIRES NOVEMBER 4, 2024
JACKSON COUNTY
COMMISSION #16373485

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on-site observations and the date comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contract is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....$ _____

(Attoch explonation if omount certified differs from the omount applied for : Intiol oll figures on this Applicotion ond on the Continuotion Sheet thot ore changed to conform to the omount certified.)

ARCHITECT:

By:_____ Date:_____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to Performance Contracting, Inc.. Issuance, payment and acceptance of payment are without prejudice to any right of the Owner or Contractor under this Contract.

Performance Contracting, Inc.
3405 SE Crossroads Drive
Suites G, H, J, K, L, M
Grimes, IA 50111

Progress Invoice

Project: GRIMES LIBRARY
Customer: THE WEITZ COMPANY

Invoice Number: 01IN-0475072
Draw Number: 7
Billing Period: 05/01/23 thru 05/31/23

Invoice Date: 05/21/23
PCI Project Number: 22-02722
Customer Project/PO:

C1	C2	C3	C4	C5		C6	C7	C8	C9	C10	C11	C12
			WORK COMPLETED									
Activity ID	DESCRIPTION OF WORK	SCHEDULED VALUE	From previous application	This period		MATERIALS STORED ON SITE (NOT IN C4 OR C5)	TOTAL COMPLETED & STORED ON SITE TO DATE (C4+C5+C6)	% (C7/C3)	BALANCE TO FINISH (C3-C7)	RETAINAGE	SALES TAX	NET BILLINGS
				Billed	%							
	Mobilization	**9,800.00**	9,800.00	0.00	0.00%	0.00	**9,800.00**	100.00%	0.00	490.00	0.00	0.00
	Submittals	**26,500.00**	25,175.00	0.00	0.00%	0.00	**25,175.00**	95.00%	1,325.00	1,258.75	0.00	0.00
	P&P Bond	**14,665.00**	14,665.00	0.00	0.00%	0.00	**14,665.00**	100.00%	0.00	733.25	0.00	0.00
	Patching/Touchup	**10,000.00**	0.00	0.00	0.00%	0.00	**0.00**	0.00%	10,000.00	0.00	0.00	0.00
	Ext Framing	**537,977.00**	516,450.00	9,800.00	1.82%	0.00	**526,250.00**	97.82%	11,727.00	26,312.50	0.00	9,310.00
	Interior Framing	**154,420.00**	69,489.00	54,250.00	35.13%	0.00	**123,739.00**	80.13%	30,681.00	6,186.95	0.00	51,537.50
	Drywall/Insulation	**231,378.00**	16,900.00	26,400.00	11.41%	0.00	**43,300.00**	18.71%	188,078.00	2,165.00	0.00	25,080.00
	Taping	**69,792.00**	4,250.00	3,200.00	4.59%	0.00	**7,450.00**	10.67%	62,342.00	372.50	0.00	3,040.00
	Acoustical/Spec Ceil	**130,430.00**	0.00	0.00	0.00%	0.00	**0.00**	0.00%	130,430.00	0.00	0.00	0.00
	Wall Coverings/Paint	**281,558.00**	113,493.00	11,500.00	4.08%	0.00	**124,993.00**	44.39%	156,565.00	6,249.65	0.00	10,925.00
	CO#1 Bid Alts 4&6	**13,700.00**	0.00	6,500.00	47.45%	0.00	**6,500.00**	47.45%	7,200.00	325.00	0.00	6,175.00
	Project Total	**1,480,220.00**	**770,222.00**	**111,650.00**	**7.54%**	**0.00**	**881,872.00**	**59.58%**	**598,348.00**	**44,093.60**	**0.00**	**106,067.50**

G702/ CMA APPLICATION AND CERTIFICATION For Payment

To: City of Grimes
101 NE Harvey Street
Grimes, IA 50111
kara.devenney@weitz.com

From: Van Maanen Electric Inc
500 Iowa Speedway Drive
Newton, IA 50208

PROJECT: Grimes Public Library Complex Phase 2

VIA Achitect Invision

Application No: 14
Application Date: 5/19/2023
Period From: 5/1/2023
Period To: 5/31/2023
Contract Date:

Distribution to:
☐ OWNER
☐ CONSTRUCTION MGR
☐ ARCHITECT
☐ CONTRACTOR
☐ OTHER

2075

APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.

Continuation Sheet, AIA Document G703, is attached.

1 ORIGINAL CONTRACT SUM		$ 977,086.00
2 Net Change by Change Orders		$ -
3 CONTRACT SUM TO DATE		$ 977,086.00
4 TOTAL COMPLETED AND STORED TO DATE		$ 586,045.29
5 RETAINAGE:		
a. 5% of Completed work	$ 28,240.24	
b. 5% of Stored Material	$ 1,062.02	
TOTAL RETAINAGE		$ 29,302.26
6 TOTAL EARNED LESS RETAINAGE		$ 556,743.02
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT		$ 483,612.06
8 CURRENT PAYMENT DUE		$ 73,130.96
9 BALANCE TO FINISH, INCLUDING RETAINAGE		$ 391,040.71

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by owner	$ -	$ -
Total approval this Month	$ -	$ -
TOTALS	$ -	$ -
NET CHANGES by Change Order	$	-

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Doctuments, that all amounts have been paid by the Contrractor for work for whcih previous Certificates for Payment were issued and pauments received from the Owner, and that current payment shown herein is now due

CONTRACTOR: Van Maanen Electric, Inc

By: _____ Date: 5/19/23

Nathan Van Maanen, President

State of: Iowa County of: Jasper

Subscribed and sworn before me this 19th day of May, 2023

Nathan Van Maanen President personally appeared before me, the undersigned notary public, and provided satisfactory evidence of identification to be the person who signed this document in my presence and swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her Knowledge and belief.

Notary Public: _____ My Commision expires: 10/30/2024

CERTIFICATION FOR PAYMENT

In accordance with the Contract Documents, based on-site observations and the data comprising this application, the Construction Manager and Architect certify to the Owner that to the best of their knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitiled to payment for the AMOUNT CERTIFIED.

AMOUNT CERTIFIED

CONSTRUCTION MANAGER:

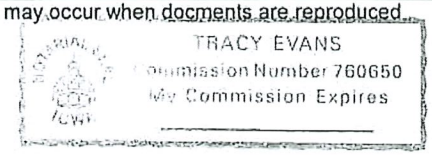
By: _____ Date: _____

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract

CAUTION: You should use an original document which has this caution printed in red. An original assures that changes will not be obscured as may occur when docments are reproduced



CONTINUATION SHEET

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed Certification is attached.
In tabulation below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NUMBER: 14
APPLICATION DATE: 19-May-23
PERIOD FROM: 1-May-23
TO: 31-May-23
ARCHITECT'S PROJECT NO:

A	B		C	D	E	F	G		H	I
ITEM No.	DESCRIPTION OF WORK		SCHEDULED VALUE	WORK COMPLETED			TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% G / C	BALANCE TO FINISH C - G	RETAINAGE
				Previous Applications	This Application: Work in Place	This Application: Stored Materials (not in D or E)				
	Bond		9,770.00	9,770.00			9,770.00	100%	-	488.50
	Basic Electrical Requirements	M	11,976.86	7,785.43	598.84		8,384.28	70%	3,592.58	419.21
	Basic Electrical Requirements	L	11,412.00	7,416.80	570.60		7,987.40	70%	3,424.60	399.37
	Through Penetration Firestopping	M	852.00	-			-	0%	852.00	-
	Through Penetration Firestopping	L	2,165.00	-			-	0%	2,165.00	-
	Wire and Cable	M	59,358.60	53,720.29			53,720.29	91%	5,638.31	2,686.01
	Wire and Cable	L	31,200.00	-	3,120.00		3,120.00	10%	28,080.00	156.00
	Grounding and Bonding	M	1,351.00	405.30			405.30	30%	945.70	20.27
	Grounding and Bonding	L	2,410.00	723.00			723.00	30%	1,687.00	36.15
	Conduit and Boxes	M	56,112.54	47,464.41			47,464.41	85%	8,648.13	2,373.22
	Conduit and Boxes	L	91,400.00	45,700.00	13,710.00		59,410.00	65%	31,990.00	2,970.50
	Electrical Identifiction	M	560.00	168.00	28.00		196.00	35%	364.00	9.80
	Electrical Identifiction	L	1,250.00	375.00	62.50		437.50	35%	812.50	21.88
	Power Systems Study	M	2,140.00	-			-	0%	2,140.00	-
	Power Systems Study	L	1,360.00	-			-	0%	1,360.00	-
	Power Monitoring and Control Systems	M	3,140.00	-	314.00		314.00	10%	2,826.00	15.70
	Power Monitoring and Control Systems	L	3,150.00	-	315.00		315.00	10%	2,835.00	15.75
	Lighting Control Systems	M	21,400.00	21,400.00			21,400.00	100%	-	1,070.00
	Lighting Control Systems	L	12,540.00	3,765.00	1,254.00		5,019.00	40%	7,521.00	250.95
	Service Entrance	M	18,741.00	10,307.55	1,874.10		12,181.65	65%	6,559.35	609.08
	Service Entrance	L	12,540.00	6,897.00	1,254.00		8,151.00	65%	4,389.00	407.55
	Dry Type Transformers	M	9,140.00	-			-	0%	9,140.00	-
	Dry Type Transformers	L	9,452.00	-			-	0%	9,452.00	-
	Panelboards	M	21,540.00	21,540.00			21,540.00	100%	-	1,077.00
	Panelboards	L	14,652.00	-	5,860.80		5,860.80	40%	8,791.20	293.04
	Wiring Devices	M	16,851.00	15,293.53			15,293.53	91%	1,557.47	764.68
	Wiring Devices	L	9,140.00	-			-	0%	9,140.00	-
	Fuses	M	1,250.00	-			-	0%	1,250.00	-
	Fuses	L	2,150.00	-			-	0%	2,150.00	-
	Disconnect Switches	M	5,140.00	4,472.77			4,472.77	87%	667.23	223.64
	Disconnect Switches	L	3,150.00	-	315.00		315.00	10%	2,835.00	15.75
	Contactors	M	3,120.00	3,120.00			3,120.00	100%	-	156.00
	Contactors	L	2,890.00	-	289.00		289.00	10%	2,601.00	14.45
	Surge Protection Sevices	M	3,412.00	3,412.00			3,412.00	100%	-	170.60
	Surge Protection Sevices	L	950.00	-	95.00		95.00	10%	855.00	4.75
	LED Lighting	M	137,400.00	137,400.00			137,400.00	100%	-	6,870.00
	LED Lighting	L	42,100.00	-	4,210.00		4,210.00	10%	37,890.00	210.50
	Basic Communications Systems Requirements	M	3,140.00	314.00	157.00		471.00	15%	2,669.00	23.55
	Basic Communications Systems Requirements	L	2,140.00	214.00	107.00		321.00	15%	1,819.00	16.05
	Communications Bonding	M	850.00	-			-	0%	850.00	-
	Communications Bonding	L	780.00	-			-	0%	780.00	-
	Interior Communications pathways	M	8,410.00	2,943.00	841.00		3,784.00	45%	4,626.00	189.20
	Interior Communications pathways	L	12,140.00	4,252.00	1,214.00		5,466.00	45%	6,674.00	273.30
	Exterior Communications pathways	M	6,140.00	3,986.00	921.00		4,907.00	80%	1,233.00	245.35
	Exterior Communications pathways	L	8,140.00	5,291.00	1,221.00		6,512.00	80%	1,628.00	325.60

	Identification and Administration	M	850.00	43.00	170.00		213.00	25%	637.00	10.65
	Identification and Administration	L	950.00	48.00	190.00		238.00	25%	712.00	11.90
	Communication Equipment Rooms	M	4,510.00	-			-	0%	4,510.00	-
	Communication Equipment Rooms	L	8,140.00	-			-	0%	8,140.00	-
	Horizontal Cabling Requirements	M	21,400.00	11,034.75			11,034.75	52%	10,365.25	551.74
	Horizontal Cabling Requirements	L	12,410.00	-			-	0%	12,410.00	-
	Testing	M	570.00	-			-	0%	570.00	-
	Testing	L	840.00	-			-	0%	840.00	-
	Structured Cabling Systems Warranty	M	650.00	-			-	0%	650.00	-
	Structured Cabling Systems Warranty	L	814.00	-			-	0%	814.00	-
	Professional Audio/Video System	M	81,400.00	49,744.49		21,240.42	70,984.91	87%	10,415.09	3,549.25
	Professional Audio/Video System	L	21,600.00	-	3,240.00		3,240.00	15%	18,360.00	162.00
	Paging Systems	M	9,841.00	-			-	0%	9,841.00	-
	Paging Systems	L	7,412.00	-	741.20		741.20	10%	6,670.80	37.06
	Basic Electronic Safety and Security Systems Requirements	M	3,140.00	630.00	630.00		1,260.00	40%	1,880.00	63.00
	Basic Electronic Safety and Security Systems Requirements	L	4,165.00	835.00	835.00		1,670.00	40%	2,495.00	83.50
	Electronic Access Control	M	28,951.00	2,895.00	2,895.00		5,790.00	20%	23,161.00	289.50
	Electronic Access Control	L	16,851.00	1,685.00	1,685.00		3,370.00	20%	13,481.00	168.50
	Video Surveillance	M	10,848.00	1,084.00	1,084.00		2,168.00	20%	8,680.00	108.40
	Video Surveillance	L	3,154.00	315.00	315.00		630.00	20%	2,524.00	31.50
	Rescue Assistance Communication	M	7,331.00	733.00	733.00		1,466.00	20%	5,865.00	73.30
	Rescue Assistance Communication	L	4,120.00	412.00	412.00		824.00	20%	3,296.00	41.20
	Fire Alarm and Detection Systems	M	18,383.00	15,500.00			15,500.00	84%	2,883.00	775.00
	Fire Alarm and Detection Systems	L	29,850.00	5,970.00	4,477.50		10,447.50	35%	19,402.50	522.38
				-			-	0%	-	-
				-			-	0%	-	-
			977,086.00	$509,065.32	$55,739.54	$21,240.42	$586,045.29	59.98%	$391,040.71	$29,302.26

AIA DOCUMENT G702 • CONTINUATION SHEET • APRIL 1978 EDITION • AIA® • © 1978
THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NEW YORK AVE., N.W., WASHINGTON, D.C. 2006

CONTRACTOR'S APPLICATION FOR AND CERTIFICATION OF PAYMENT

TO OWNER: *City of Grimes*
101 NE Harvey Street
Grimes, IA 50111

PROJECT: *Grimes Public Library*
200 NE Beaverbrooke Blvd.
Grimes, IA 50111

APPLICATION NO.: *3*

APPLICATION DATE: *5/19/2023*

PERIOD ENDING: *5/31/2023*

PROJECT NO.: *1-22-2178*

PURCHASE ORDER #

FROM CONTRACTOR:
Academy Roofing & Sheet Metal Co.
6361 NE 14th St.
Des Moines, IA 50313

VIA:
The Weitz Company, LLC
5901 Thornton Avenue
Des Moines, IA 50321

CONTRACT FOR: Roofing

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
The Continuation Sheet is attached.

1 . ORIGINAL CONTRACT SUM	$	422,350.00
2 . Net change by Change orders	$	-
3 . CONTRACT SUM TO DATE: (Line 1+-2)	$	422,350.00
4 . TOTAL COMPLETED & STORED TO DATE	$	374,550.00
5 . RETAINAGE		
5% of Progress Payment	$	18,727.50
6 . TOTAL EARNED LESS RETAINAGE	$	355,822.50
(Line 4 less Line 5 Total)		
7 . LESS PREVIOUS CERTIFICATES FOR PAYMENT	$	311,733.00
(Line 6 from prior Certificate)		
8 . **CURRENT PAYMENT DUE**	**$**	**44,089.50**
9 . BALANCE TO FINISH, INCLUDING RETAINAGE:		
(Line 3 less Line 6)	$	66,527.50

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$ -	$ -
Total approved this Month	$ -	$ -
TOTALS	$ -	$ -
NET CHANGES by Change/Field Order	$	-

The undersigned Contractor certifies that to the best of the Contractor's knowledge, the information and belief the Work covered by the Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown is now due.

CONTRACTOR:

By: _____ Date: 5-19-2023

State of: *Iowa* County of: *Polk*

Subscribed and sworn to before me this 19th day of May, 2023

Notary Public: _____

My Commission expires: 2-25-2024

KELLI R. STOKKA
Commission Number 188911
My Commission Expires
February 25, 2024

CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... $ _____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT: Date: _____

By: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptence of the payment are without prejudice to any rights of the Owner or Contractor under this contract.

Approved by OWNER: _____ Date_____

ITEMIZATION SHEET

The Contractor's APPLICATION FOR AND CERTIFICATE FOR PAYMENT containing Contractor's signed Certification, is attached.
In calculations below, amounts are stated to the nearest dollar.

APPLICATION NO: 3
APPLICATION DATE: 5/19/2023
PERIOD ENDING: 5/31/2023
PROJECT NO.: 1-22-2178
PURCHASE ORDER #

A	B	C	D	E	F	G		H	I
			WORK COMPLETED						
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED & STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE (IF VARIABLE RATE)
1	Set Up	$ 10,000.00	$ 10,000.00	$ -	$ -	$ 10,000.00	100%	$ -	$ 500.00
2	Material	$ 245,000.00	$ 245,000.00	$ -	$ -	$ 245,000.00	100%	$ -	$ 12,250.00
3	Labor	$ 77,350.00	$ 30,940.00	$ 46,410.00	$ -	$ 77,350.00	100%	$ -	$ 3,867.50
4	Sheet Metal Material	$ 60,000.00	$ 42,200.00	$ -	$ -	$ 42,200.00	70%	$ 17,800.00	$ 2,110.00
5	Sheet Metal Labor	$ 30,000.00	$ -	$ -	$ -	$ -	0%	$ 30,000.00	$ -
	TOTAL	**$ 422,350.00**	**$ 328,140.00**	**$ 46,410.00**	**$ -**	**$ 374,550.00**	**89%**	**$ 47,800.00**	**$ 18,727.50**

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:	City of Grimes 101 NE Harvey Street Grimes, IA 50111	**PROJECT:**	City of Grimes Library 200 NE BeaverBrooke BLVD Grimes, IA 50111	**APPLICATION NO:** **PERIOD TO:** **CONTRACT DATE:** **PROJECT NOS:**	10 5/31/2023	**DISTRIBUTION TO:** OWNER ☐ CONST. MANAGER ☐ ARCHITECT ☐ FIELD ☐ OTHER ☐
FROM CONTRACTOR:	AMC Mechanical Inc. 107 Vermeer Road Pella, IA 50219	**VIA CONSTRUCTION MANAGER:** **VIA ARCHITECT:**				

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1.	**ORIGINAL CONTRACT SUM**		$ 1,021,680.00
2.	**NET CHANGES IN THE WORK**		$ 4,285.00
3.	**CONTRACT SUM TO DATE** (LINE 1+/-2)		$ 1,025,965.00
4.	**TOTAL COMPLETED & STORED TO DATE** (Column G on Continuation Sheet)		$ 868,281.45
5.	**RETAINAGE**		
	a. 5 % of Completed Work	$ 41,425.93	
	b. _____ % of Stored Material	$ 1,988.15	
	Total Retainage		$ 43,414.08
6.	**TOTAL EARNED LESS RETAINAGE**		$ 824,867.37
7.	**LESS PREVIOUS CERTIFICATES FOR PAYMENT**.....		641,024.73
8.	**CURRENT PAYMENT DUE**..... 183,842.62		$ ~~183,842.64~~
9.	**BALANCE TO FINISH, PLUS RETAINAGE**		$ 201,097.63

rounding error

SUMMARY OF CHANGES IN THE WORK	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$ 4,285.00	$ 0.00
Total approved this month, including Construction Change Directives	$ 0.00	$ 0.00
TOTALS	$ 4,285.00	$ 0.00
NET CHANGES IN THE WORK	$ 4,285.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: By: _____ Date: 5-22-23

State of:
County of:
Subscribed and sworn to before me this day of

Notary Public:
My Commission expires:

NOTARIAL SEAL IOWA

NANETTE GIBSON
Commission Number 845499
My Commission Expires
January 27, 2026

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on evaluations of the Work and the data comprising this application, the Construction Manager and Architect certify to the Owner that to the best of their knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... $183,842.64

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

CONSTRUCTION MANAGER:
By: _____ Date: _____

ARCHITECT: (*NOTE: If Multiple Prime Contractors are responsible for performing portions of the Project, the Architect's Certification is not required.*)
By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

Application Number: 10
Application Date: 5/22/2023
Period To: 5/31/2023
Architect's Project No:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREV APPLICATION (D+E)	WORK COMPLETED THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
Project Items									
01	Bond	12,700.00	12,700.00	0.00	0.00	12,700.00	100	0.00	635.00
02	Mobilization/Supervision/Management	76,100.00	19,025.00	38,050.00	0.00	57,075.00	75	19,025.00	2,853.75
03	HVAC Shop Drawings	10,250.00	9,737.50	307.50	0.00	10,045.00	98	205.00	502.25
		99,050.00	**41,462.50**	**38,357.50**	**0.00**	**79,820.00**	**81**	**19,230.00**	**3,991.00**
Plumbing & Piping Labor									
04	Underground Plumbing Labor	34,200.00	34,200.00	0.00	0.00	34,200.00	100	0.00	1,710.00
05	Above Ground Plumbing Labor	103,380.00	46,521.00	41,352.00	0.00	87,873.00	85	15,507.00	4,393.65
06	VRV Piping Labor	53,373.00	18,680.55	24,017.85	0.00	42,698.40	80	10,674.60	2,134.92
07	AG Condensate Labor	12,120.00	0.00	4,242.00	0.00	4,242.00	35	7,878.00	212.10
08	Plumbing Fixtures Labor	5,545.00	0.00	0.00	0.00	0.00	0	5,545.00	0.00
		208,618.00	**99,401.55**	**69,611.85**	**0.00**	**169,013.40**	**81**	**39,604.60**	**8,450.67**
Plumbing Materials & Equipment									
09	Underground Plumbing Materials/EquipRental	33,273.00	33,273.00	0.00	0.00	33,273.00	100	0.00	1,663.65
10	Abouve Ground Plumbing Materials	79,867.00	0.00	79,867.00 -67,886.95	0.00	79,867.00	100	0.00	3,993.35
11	VRV Piping Materials	21,890.00	0.00	21,890.00 -18,606.50	0.00	21,890.00	100	0.00	1,094.50
12	Plumbing Fixture and Equipment	39,763.00	0.00	0.00	~~39,763.00~~	39,763.00	0	0.00	1,988.15
		174,793.00	**33,273.00**	**101,757.00**	**39,763.00**	**174,793.00**	**77**	**0.00**	**8,739.65**

CONTINUATION SHEET

Application Number: 10
Application Date: 5/22/2023
Period To: 5/31/2023
Architect's Project No:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED FROM PREV APPLICATION (D+E)	WORK COMPLETED THIS PERIOD	MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
HVAC Labor									
13	HVAC Shop Fabrication Labor	31,900.00	27,115.00	3,190.00	0.00	30,305.00	95	1,595.00	1,515.25
14	HVAC Equipment Install Labor	16,764.00	5,867.40	10,058.40	0.00	15,925.80	95	838.20	796.29
15	HVAC Duct Install	88,250.00	30,887.50	39,712.50	0.00	70,600.00	80	17,650.00	3,530.00
16	HVAC GRD Trim Labor	6,050.00	0.00	0.00	0.00	0.00	0	6,050.00	0.00
		142,964.00	**63,869.90**	**52,960.90**	**0.00**	**116,830.80**	**82**	**26,133.20**	**5,841.54**
HVAC Materials & Equipment									
17	HVAC Equipment	246,635.00	56,678.00	~~189,957.00~~	0.00	246,635.00	100	0.00	12,331.75
18	HVAC Duct Accessories	10,730.00	10,730.00	0.00	0.00	10,730.00	100	0.00	536.50
19	HVAC GRD Trim Equipment	10,180.00	10,180.00	0.00	0.00	10,180.00	100	0.00	509.00
20	HVAC Shop Fabrication Materials	44,770.00	38,054.50	4,477.00	0.00	42,531.50	95	2,238.50	2,126.58
		312,315.00	**115,642.50**	**194,434.00**	**0.00**	**310,076.50**	**99**	**2,238.50**	**15,503.83**
Subcontractors									
21	Controls Sub Contractor	27,950.00	4,900.00	9,634.00	0.00	14,534.00	52	13,416.00	726.70
22	Insulation Sub Contractor	48,400.00	0.00	0.00	0.00	0.00	0	48,400.00	0.00
23	Test and Balance Subcontractor	7,590.00	0.00	0.00	0.00	0.00	0	7,590.00	0.00
		83,940.00	**4,900.00**	**9,634.00**	**0.00**	**14,534.00**	**17**	**69,406.00**	**726.70**
24	CO-1 Approving Alternates 4&6	4,285.00	0.00	3,213.75	0.00	3,213.75	75	1,071.25	160.69
		1,025,965.00	**358,549.45**	**469,969.00**	**39,763.00**	**868,281.45**	**81**	**157,683.55**	**43,414.08**

APPLICATION AND CERTIFICATE FOR PAYMENT

To(OWNER): The Weitz Company LLC
611 5th Avenue
Suite 300
Des Moines, IA 50309

From: Forman Ford
P.O. Box 692
Cedar Rapids, IA 52406

Project: Grimes Public Library
200 NE Beaverbrooke Blvd
Grimes, IA 50111

Via(Architect): InVision Architecture
531 Commercial Street
Suite 900
Waterloo, IA 50701

Application No: 12
Invoice No: T1200-11
Period To: 5/31/2023

Architect's
Project No:

Contract Date: 1/3/2022

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Approved previous months	3,575.00	0.00
Approved this month	0.00	0.00
TOTALS	3,575.00	0.00
Net change by change orders	3,575.00	

1. ORIGINAL CONTRACT SUM	$	844,487.00
2. Net change by Change Orders	$	3,575.00
3. CONTRACT SUM TO DATE(Line 1 +/- 2)	$	848,062.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	$	515,424.95
5. RETAINAGE(Column I on G703)	$	25,771.25
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	$	489,653.70
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	$	465,238.70
8. SALES TAX	$	0.00
9. CURRENT PAYMENT DUE	$	24,415.00
10. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	$	358,408.30

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Forman Ford

By: _____ Date: 6.2.23

State of: Iowa County of: Polk

Subscribed and sworn to before me this 2nd day of May 2023

Notary Public: _____

My Commission expires:

JODY VANCE
Commission Number 819568
My Commission Expires
8-16-25

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....$
(Attach explanation if amount certified differs from the amount applied for.)

ARCHITECT:

By_____ Date_____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

Application Number: 12
Application Date: 5/31/2023
Period To: 5/31/2023
Architect's Project No:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/C	BALANCE TO FINISH (C-G)	RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
1	Metal Wall Panels Material	242,268.75	242,268.75	0.00	0.00	242,268.75	100	0.00	12,113.44
2	Aluminum Frames Storefront Material	19,442.00	19,442.00	0.00	0.00	19,442.00	100	0.00	972.10
3	Glazed Curtain Wall Material	117,302.00	117,302.00	0.00	0.00	117,302.00	100	0.00	5,865.10
4	Service/Teller Window Units Material	9,063.75	0.00	0.00	0.00	0.00	0	9,063.75	0.00
5	Glazing Material	50,427.50	30,000.00	0.00	0.00	30,000.00	59	20,427.50	1,500.00
6	Sliding Walls Material	26,568.25	26,568.25	0.00	0.00	26,568.25	100	0.00	1,328.41
7	Fabrication	25,950.00	15,950.00	0.00	0.00	15,950.00	61	10,000.00	797.50
8	Metal Wall Panels Labor	117,300.00	0.00	5,000.00	0.00	5,000.00	4	112,300.00	250.00
9	Aluminum Frames Storefront Labor	13,200.00	0.00	3,200.00	0.00	3,200.00	24	10,000.00	160.00
10	Glazed Curtain Wall Labor	119,650.00	0.00	15,000.00	0.00	15,000.00	13	104,650.00	750.00
11	Service/Teller Window Units Labor	2,100.00	0.00	0.00	0.00	0.00	0	2,100.00	0.00
12	Glazing Labor	8,175.00	0.00	0.00	0.00	0.00	0	8,175.00	0.00

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

Application Number: 12
Application Date: 5/31/2023
Period To: 5/31/2023
Architect's Project No:

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (Not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% G/C	BALANCE TO FINISH (C-G)	RETAINAGE
			FROM PREV. APPLICATION (D+E)	THIS PERIOD					
13	Sliding Walls Labor	6,000.00	0.00	0.00	0.00	0.00	0	6,000.00	0.00
14	General Conditions/Equipment	57,962.50	9,116.70	2,500.00	0.00	11,616.70	20	46,345.80	580.84
15	Submittals	3,500.00	3,500.00	0.00	0.00	3,500.00	100	0.00	175.00
16	Engineering	10,281.25	10,281.25	0.00	0.00	10,281.25	100	0.00	514.06
17	Bond	15,296.00	15,296.00	0.00	0.00	15,296.00	100	0.00	764.80
18	CO#1 Alternates 4 & 6	3,575.00	0.00	0.00	0.00	0.00	0	3,575.00	0.00
	Totals	848,062.00	489,724.95	25,700.00	0.00	515,424.95	61	332,637.05	25,771.25

CONTRACTOR'S APPLICATION AND CERTIFICATION FOR PAYMENT -- Const Manager-Adviser

TO OWNER:
W003 **The Weitz Company**
5901 Thornton Ave
Des Moines, IA 50321
kara.devenney@weitz.com

Project : Grimes Public Library
F&A Job # 221005

VIA ARCHITECT:

APPLICATION NO: 6
PERIOD TO: 05/31/23
APPLICATION DATE: 05/25/23
PROJECT NO.: 221005
ORDER #

FROM CONTRACTOR: **FORREST & ASSOCIATE INC**
817 SW 9th Street
Des Moines, IA 50309

Contract Date: 12/21/2021

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1	ORIGINAL CONTRACT SUM	$	317,587.00
2	Net change by Change Orders	$	30,314.78
3	CONTRACT SUM TO DATE (LINE 1+2)	$	347,901.78
4	TOTAL COMPLETED & STORED TO DATE: (Column G on pg 2)	$	191,055.78
5	RETAINAGE: (Cear field J20 for retainer invoice)		
	5% %of Progress Payment	$	9,552.79 X
6	TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	$	181,502.99
7	LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	$	81,478.32
8	CURRENT PAYMENT DUE	$	100,024.67
9	BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$	166,398.79

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$ 28,441.65	$ -
Total approved this Month	$ 1,873.13	$ -
TOTALS	$ 30,314.78	$ -
NET CHANGES by Change/Field Order	$ 30,314.78	

Approved By Owner: _____

Date: _____

F&A FM130104

The undersigned Contracor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: ***FORREST & ASSOCIATE INC***

By: Ruth R. Mel Date: 05/25/23

State of: Iowa
County of: Polk
Subscribed and sworn to before me this 25 day of May 2023

NOTARIAL SEAL IOWA
RUTH E BEYER
Commission Number 819528
My Commission Expires August 15, 2025

Notary Public: Ruth Beyer
My Commission Expires: 15-Aug-22

CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Construction Manager and Architect certify to the Owner that to the best of their knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

AMOUNT CERTIFIED . . . . . . _____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that changed to conform to the amount certified.)

CONSTRUCTION MANAGER:

By: _____ Date: _____

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

SCHEDULE OF VALUES - ITEMIZATION SHEET | Due Date: 06/24/23 | PAGE ___ OF ___ PAGES

The Contractor's APPLICATION FOR AND CERTIFICATION OF PAYMENT (DMPSFM-500), containing Contractor's signed Certificate is attached. In calculations below, amounts are stated to the nearest dollar.

Application No. 6
Application Date: 5/25/23
Period To: 5/31/23

Job: Grimes Public Library | **F&A Job #** 221005 | $ 317,587.00 | Project No: 221005

A	B	C	D	E	F	G		H	I
ITEM	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED: Previous Applications	WORK COMPLETED: Work in Place	WORK COMPLETED: Stored Materials (not in D or E)	TOTAL COMPLETED & STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE 5%
	CONTRACT								$ -
	Materials		$ -			$ -		$ -	$ -
	CMU	$ 7,500.00	$ 7,500.00			$ 7,500.00		$ -	$ 375.00
	Brick/Limestone Veneer	$ 125,000.00	$ 35,000.00	$ 70,000.00		$ 105,000.00		$ 20,000.00	$ 5,250.00
			$ -			$ -		$ -	$ -
	Labor		$ -			$ -		$ -	$ -
	CMU	$ 8,000.00	$ 8,000.00			$ 8,000.00		$ -	$ 400.00
	Brick/Limestone Veneer	$ 167,000.00	$ 2,500.00	$ 31,000.00		$ 33,500.00		$ 133,500.00	$ 1,675.00
			$ -			$ -		$ -	$ -
	Masonry Caulking	$ 3,313.00	$ -			$ -		$ 3,313.00	$ -
			$ -			$ -		$ -	$ -
	Bid Bond	$ 2,858.00	$ 2,825.00			$ 2,825.00		$ 33.00	$ 141.25
			$ -			$ -		$ -	$ -
	Set-up	$ 1,500.00	$ 1,500.00			$ 1,500.00		$ -	$ 75.00
	Mock-up	$ 2,416.00	$ -	$ 2,416.00		$ 2,416.00		$ -	$ 120.80
			$ -			$ -		$ -	$ -
			$ -			$ -		$ -	$ -
	Stone - Additional		$ -			$ -		$ -	$ -
	(Vetter)		$ -			$ -		$ -	$ -
CO 1	Vetter Stone	$ 14,838.65	$ 14,838.65			$ 14,838.65		$ -	$ 741.93
	Materials Deposit	$ 13,603.00	$ -		$ 13,603.00	$ 13,603.00		$ -	$ 680.15
			$ -			$ -		$ -	$ -
CO 2	Foundation Block Repair	$ 1,873.13	$ -	$ 1,873.13		$ 1,873.13		$ -	$ 93.66
			$ -			$ -		$ -	$ -
	WO 7123	$ 691.74	$ -			$ -		$ 691.74	$ -
	WO 3028	$ 768.01	$ -			$ -		$ 768.01	$ -
			$ -			$ -		$ -	$ -
			$ -			$ -		$ -	$ -
> > >	Retainer Requested		$ -			$ -		$ -	$ -
	TOTALS * * * * *	**$ 347,901.78**	**$ 72,163.65**	**$ 105,289.13**	**$ 13,603.00**	**$ 191,055.78**	**55%**	**$ 156,846.00**	**$ 9,552.79**

AIA Type Document
Application and Certification for Payment

TO (OWNER): City of Grimes
101 NE Harvey Street
Grimes, IA 50111

PROJECT: Grimes Public Library
Grimes, IA 50111

APPLICATION NO: 14
PERIOD TO: 5/31/2023

DISTRIBUTION TO:
_ OWNER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): Graphite Construction Group
1955 NE 58th Ave, Ste 100
Des Moines, IA 50313

VIA (ARCHITECT): Invision Architecture, LTD
501 Sycamore St, #101
Waterloo, IA 50701

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Grimes Public Library

CONTRACT DATE: 12/17/2021

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Type Document is attached.

1. ORIGINAL CONTRACT SUM	$	2,665,000.00
2. Net Change by Change Orders	$	46,828.27
3. CONTRACT SUM TO DATE (Line 1 + 2)	$	2,711,828.27
4. TOTAL COMPLETED AND STORED TO DATE	$	2,228,474.38
5. RETAINAGE:		
a. 5.00 % of Completed Work	$	106,583.63
b. 5.00 % of Stored Material	$	4,840.10
Total retainage (Line 5a + 5b)	$	111,423.73
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	$	2,117,050.65
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	$	2,064,723.24
8. CURRENT PAYMENT DUE	$	52,327.41
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$	594,777.62

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	46,828.27	0.00
Total approved this Month	0.00	0.00
TOTALS	46,828.27	0.00
NET CHANGES by Change Order	46,828.27	

The Undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the owner, and that current payment shown herein is now due.

CONTRACTOR: Graphite Construction Group
1955 NE 58th Ave, Ste 100 Des Moines, IA 50313

By: [signature] Date: 5.25.23

LANEY COENEN
NOTARIAL SEAL IOWA
Commission Number 816717
My Commission Expires
April 30, 2025

State of: IA
County of: Pok
Subscribed and Sworn to before me this 25 Day of May 20 23
Notary Public: Laney Coenen
My Commission Expires: 4/30/25

ARCHITECT'S CERTIFICATE FOR PAYMENT

In Accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED. . . . . $ _____

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT:
By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, Payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

TO (OWNER): City of Grimes
101 NE Harvey Street
Grimes, IA 50111

PROJECT: Grimes Public Library
Grimes, IA 50111

APPLICATION NO: 14
PERIOD TO: 5/31/2023

DISTRIBUTION TO:
_ OWNER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): Graphite Construction Group
1955 NE 58th Ave, Ste 100
Des Moines, IA 50313

VIA (ARCHITECT): Invision Architecture, LTD
501 Sycamore St, #101
Waterloo, IA 50701

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Grimes Public Library

CONTRACT DATE: 12/17/2021

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
General Conditions									
1	General Conditions	178,363.00	142,585.00	3,789.00	0.00	146,374.00	82.07	31,989.00	7,318.70
2	Surveying	10,500.00	10,500.00	0.00	0.00	10,500.00	100.00	0.00	525.00
3	Bond	20,525.12	20,525.12	0.00	0.00	20,525.12	100.00	0.00	1,026.26
4	Overhead and Fee	85,000.00	67,950.00	1,810.00	0.00	69,760.00	82.07	15,240.00	3,488.00
5	Project Preconstruction	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00	0.00	2,000.00
6	Mobilization	60,000.00	60,000.00	0.00	0.00	60,000.00	100.00	0.00	3,000.00
7	Temp Labor	28,000.00	8,400.00	5,600.00	0.00	14,000.00	50.00	14,000.00	700.00
8	Temp Material	12,150.00	6,075.00	0.00	0.00	6,075.00	50.00	6,075.00	303.75
9	Post Construction Cleaning	1,000.00	0.00	0.00	0.00	0.00	0.00	1,000.00	0.00
	General Conditions Total	435,538.12	356,035.12	11,199.00	0.00	367,234.12	84.32	68,304.00	18,361.71
Concrete									
033000.1	Mobilization	35,000.00	35,000.00	0.00	0.00	35,000.00	100.00	0.00	1,750.00
033000.2	M-Foundations	118,198.50	118,198.50	0.00	0.00	118,198.50	100.00	0.00	5,909.93
033000.3	L-Foundations	197,301.50	197,301.50	0.00	0.00	197,301.50	100.00	0.00	9,865.08
033000.4	M-SOG	36,810.77	33,129.69	3,681.08	0.00	36,810.77	100.00	0.00	1,840.54
033000.5	L-SOG	60,453.05	54,407.75	6,045.30	0.00	60,453.05	100.00	0.00	3,022.65
033000.6	M-SOD	11,935.22	11,935.22	0.00	0.00	11,935.22	100.00	0.00	596.76
033000.7	L-SOD	36,060.96	36,060.96	0.00	0.00	36,060.96	100.00	0.00	1,803.05
033000.8	L-Backfill Footings and Foundations	13,250.00	13,250.00	0.00	0.00	13,250.00	100.00	0.00	662.50
033000.9	M/L-Concrete Sealer	466.50	0.00	0.00	0.00	0.00	0.00	466.50	0.00

TO (OWNER): City of Grimes
101 NE Harvey Street
Grimes, IA 50111

PROJECT: Grimes Public Library
Grimes, IA 50111

APPLICATION NO: 14
PERIOD TO: 5/31/2023

DISTRIBUTION TO:
_ OWNER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): Graphite Construction Group
1955 NE 58th Ave, Ste 100
Des Moines, IA 50313

VIA (ARCHITECT): Invision Architecture, LTD
501 Sycamore St, #101
Waterloo, IA 50701

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Grimes Public Library

CONTRACT DATE: 12/17/2021

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
	Concrete Total	509,476.50	499,283.62	9,726.38	0.00	509,010.00	99.91	466.50	25,450.51
Structural Steel									
055000.1	L-Mobilization	2,500.00	2,500.00	0.00	0.00	2,500.00	100.00	0.00	125.00
051223.1	L-Freight-Steel Supplier	7,250.00	6,850.00	0.00	0.00	6,850.00	94.48	400.00	342.50
051223.2	L-Draft-Steel Supplier	25,925.00	25,925.00	0.00	0.00	25,925.00	100.00	0.00	1,296.25
051223.3	M-Structural Steel	403,660.00	403,660.00	0.00	0.00	403,660.00	100.00	0.00	20,183.00
052100.1	M-Steel Joists/Deck	347,000.00	347,000.00	0.00	0.00	347,000.00	100.00	0.00	17,350.00
055000.2	M-Metal Fabrications	148,950.00	113,705.00	22,000.00	0.00	135,705.00	91.11	13,245.00	6,785.25
055000.3	L-Steel Erection	279,124.00	265,167.80	0.00	0.00	265,167.80	95.00	13,956.20	13,258.39
055000.4	M/L-Grout Columns	1,400.00	1,400.00	0.00	0.00	1,400.00	100.00	0.00	70.00
	Structural Steel Total	1,215,809.00	1,166,207.80	22,000.00	0.00	1,188,207.80	97.73	27,601.20	59,410.39
Wood and Plastics									
061000.1	M-Rough Carpentry	9,000.00	3,150.00	5,850.00	0.00	9,000.00	100.00	0.00	450.00
061000.2	L-Rough Carpentry	16,166.00	5,658.10	5,658.10	0.00	11,316.20	70.00	4,849.80	565.81
064100.1	M-Architectural Wood Casework	54,988.78	2,749.44	0.00	0.00	2,749.44	5.00	52,239.34	137.47
064100.2	L-Mobilization Carpentry Sub	6,480.00	0.00	648.00	0.00	648.00	10.00	5,832.00	32.40
064100.3	L-Finish Carpentry	37,600.00	5,000.00	0.00	0.00	5,000.00	13.30	32,600.00	250.00
	Wood and Plastics Total	124,234.78	16,557.54	12,156.10	0.00	28,713.64	23.11	95,521.14	1,435.68
Thermal and Moisture									
071400.1	M/L-Fluid Applied Waterproofing @ Elevator Pit	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00	0.00	75.00
078400.1	M/L-Firestopping	680.00	0.00	0.00	0.00	0.00	0.00	680.00	0.00

TO (OWNER): City of Grimes
101 NE Harvey Street
Grimes, IA 50111

PROJECT: Grimes Public Library
Grimes, IA 50111

APPLICATION NO: 14
PERIOD TO: 5/31/2023

DISTRIBUTION TO:
_ OWNER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): Graphite Construction Group
1955 NE 58th Ave, Ste 100
Des Moines, IA 50313

VIA (ARCHITECT): Invision Architecture, LTD
501 Sycamore St, #101
Waterloo, IA 50701

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Grimes Public Library

CONTRACT DATE: 12/17/2021

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
079200.1	M-Joint Sealants	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
079200.2	L-Joint Sealants	3,500.00	0.00	0.00	0.00	0.00	0.00	3,500.00	0.00
	Thermal and Moisture Total	7,180.00	1,500.00	0.00	0.00	1,500.00	20.89	5,680.00	75.00
Openings									
081113.1	M-Hollow Metal Doors and Frames	24,420.00	0.00	0.00	24,420.00	24,420.00	100.00	0.00	1,221.00
081416.1	M-Flush Wood Doors	16,402.00	0.00	0.00	0.00	0.00	0.00	16,402.00	0.00
083300.1	M-Side Coiling Security Grilles	35,500.00	0.00	0.00	35,500.00	35,500.00	100.00	0.00	1,775.00
083300.2	L-Side Coiling Security Grilles	84,200.00	12,000.00	0.00	0.00	12,000.00	14.25	72,200.00	600.00
087100.1	M-Door Hardware	40,205.00	0.00	0.00	34,097.00	34,097.00	84.81	6,108.00	1,704.85
087100.2	M-Knox Box	675.00	0.00	0.00	0.00	0.00	0.00	675.00	0.00
087100.3	M/L-Book Drop	1,500.00	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
	Openings Total	202,902.00	12,000.00	0.00	94,017.00	106,017.00	52.25	96,885.00	5,300.85
Specialties									
101100.1	M-Visual Display Specialties	1,316.00	0.00	0.00	0.00	0.00	0.00	1,316.00	0.00
101400.1	M-Signage	9,670.00	0.00	0.00	0.00	0.00	0.00	9,670.00	0.00
101400.2	L-Signage	3,650.00	0.00	0.00	0.00	0.00	0.00	3,650.00	0.00
102113.1	M-Plastic Toilet Compartments	2,872.00	0.00	0.00	0.00	0.00	0.00	2,872.00	0.00
102239.1	M-Folding Panel Partitions	47,900.00	0.00	0.00	0.00	0.00	0.00	47,900.00	0.00
102240.1	L-Folding Panel Partitions	4,000.00	500.00	0.00	0.00	500.00	12.50	3,500.00	25.00
102600.1	M-Wall & Door Protection	2,311.00	0.00	0.00	0.00	0.00	0.00	2,311.00	0.00
102800.1	M-Toilet, Bath & Laundry Accessories	19,103.00	0.00	0.00	0.00	0.00	0.00	19,103.00	0.00

TO (OWNER): City of Grimes
101 NE Harvey Street
Grimes, IA 50111

PROJECT: Grimes Public Library
Grimes, IA 50111

APPLICATION NO: 14
PERIOD TO: 5/31/2023

DISTRIBUTION TO:
_ OWNER
_ ARCHITECT
_ CONTRACTOR

FROM (CONTRACTOR): Graphite Construction Group
1955 NE 58th Ave, Ste 100
Des Moines, IA 50313

VIA (ARCHITECT): Invision Architecture, LTD
501 Sycamore St, #101
Waterloo, IA 50701

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Grimes Public Library

CONTRACT DATE: 12/17/2021

ITEM	DESCRIPTION	SCHEDULE VALUE	PREVIOUS APPLICATIONS	COMPLETED THIS PERIOD	STORED MATERIAL	COMPLETED STORED	%	BALANCE	RETAINAGE
104400.1	M-Fire Protection Specialties	1,050.00	0.00	0.00	0.00	0.00	0.00	1,050.00	0.00
	Specialties Total	91,872.00	500.00	0.00	0.00	500.00	0.54	91,372.00	25.00
Equipment									
116813.1	M-Playground Equipment	2,785.00	0.00	0.00	2,785.00	2,785.00	100.00	0.00	139.25
116813.2	L-Playground Equipment Install	4,000.00	0.00	0.00	0.00	0.00	0.00	4,000.00	0.00
	Equipment Total	6,785.00	0.00	0.00	2,785.00	2,785.00	41.05	4,000.00	139.25
Furnishings									
122400.1	M-Window Shades	4,855.00	0.00	0.00	0.00	0.00	0.00	4,855.00	0.00
122400.2	L-Window Shades	1,533.00	0.00	0.00	0.00	0.00	0.00	1,533.00	0.00
123600.1	M/L-Stone Countertops	50,481.00	2,524.05	0.00	0.00	2,524.05	5.00	47,956.95	126.20
	Furnishings Total	56,869.00	2,524.05	0.00	0.00	2,524.05	4.44	54,344.95	126.20
Exterior Improvements									
321816.13	M-Playground Protection Surfacing Materials and Freight	6,356.00	0.00	0.00	0.00	0.00	0.00	6,356.00	0.00
321816.13.	L-Playground Protection Surfacing	7,977.60	0.00	0.00	0.00	0.00	0.00	7,977.60	0.00
	Exterior Improvements Total	14,333.60	0.00	0.00	0.00	0.00	0.00	14,333.60	0.00
Change Orders									
CO 1	ASI 1	6,582.77	6,582.77	0.00	0.00	6,582.77	100.00	0.00	329.14
CO 2	Alternates 4 & 6	40,245.50	15,400.00	0.00	0.00	15,400.00	38.27	24,845.50	770.00
	REPORT TOTALS	$2,711,828.27	$2,076,590.90	$55,081.48	$96,802.00	$2,228,474.38	82.18	$483,353.89	$111,423.73

APPLICATION AND CERTIFICATION FOR PAYMENT

CONSTRUCTION MANAGER-ADVISER EDITION

TO OWNER: City of Grimes
101 NE Harvey Street
Grimes, Iowa 50111

PROJECT: Grimes Public Library
200 NE Beaver Brooke Blvd.
Grimes, Iowa

APPLICATION NO: 626301

PERIOD TO: 05/31/23

PROJECT NO:

Distribution to:
- [ ] OWNER
- [ ] ARCHITECT
- [ ] CONTRACTOR
- [ ]
- [ ]

FROM CONTRACTOR:
Midwest Auto Fire Sprinker
2001 DeWolf Street
Des Moines, Iowa 50316

VIA ARCHITECT:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM		$ 86,660.00
2. NET CHANGES by Change Orders (see box below)		$ 840.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)		$ 87,500.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)		$ 26,000.00
5. RETAINAGE:		
a. 5 % of Completed Work (Column D + E on G703)	$ 1,300.00	
b. 0 % of Stored Material (Column F on G703)		
TOTAL Retainage (Lines 5a + 5b or Total in Column I of G703		$ 1,300.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)		$ 24,700.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		$ -
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)		$ 24,700.00
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6 = Totals in Columns H + I of G703))		$ 62,800.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$840.00	$0.00
Total approved this Month		
TOTALS		$0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Midwest Automatic Fire Sprinkler Company

By: _____ Date: May 17, 2023

Jerry L. Bernholtz, President

State of:
County Of:
Subscribed and sworn to before
me this 17 day of May, 2023

SARAH BETH PHILLIPS
Commission Number 167802
My Commission Expires
12-2-2025

NotaryPublic: Sarah Beth Phillips

My Commision Expires: December 24, 2025

CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Construction Manager Architect certify to the Owner that to the best of their knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....$_____
(Attached explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the continuation sheet that changed to conform to the amount certified.)

CONSTRUCTION MANAGER:
By:_____ Date:_____

ARCITECT:
By:_____ BY:

This Certificate is not negotiable THE AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET AIA DOCUMENT G703

CONTINUATION SHEET OF APPLICATION AND CERTIFICATE FOR PAYMENT

APPLICATION NO: 626301
APPLICATION DATE: 05/17/23
PERIOD FROM: 05/01/23
PERIOD TO: 05/31/23
PROJECT NO:

In tabulations below, amounts are stated to the nearest dollar.
Use Column 1 on Contracts where variable retainage for line items may apply.

A	B	C	D	E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED	TOTAL COMPLETED AND STORED TO DATE	% COMPLETE	BALANCE TO FINISH	RETAINAGE
	(List out labor, materials and services)	(from contracts & change orders)	FROM PREVIOUS APPLICATION (D + E from last Continuation sheet)	THIS PERIOD	(NOT IN D OR E)	(D+E+F)	(G ÷ C)	(C-G)	
1	Automatic Fire Sprinkler System	$ 86,660.00	$ -	$ 26,000.00	$ -	$ 26,000.00	30%	$ 60,660.00	$ 1,300.00
2	Change Order #1	$ 840.00	$ -	$ -	$ -	$ -	0%	$ 840.00	$ -
	GRAND TOTALS	$87,500.00	$0.00	$26,000.00	$0.00	$26,000.00	30%	$61,500.00	$1,300.00

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	Highway 44 at County Line Road Temporary Traffic Signal
Contractor:	Van Maanen Electric, Inc.
Address:	500 Iowa Speedway Dr, Newton, IA 50208
Finance Budget Code:	334-210-6499 ***Finance Project #***
Vendor Project or Invoice #:	***PO #***
Original Contract Date:	June 22, 2021 ***Vendor #*** 2161

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 8 (Retainage)

PAYMENT PERIOD: From: April 1, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 63,422.00			
Net change by Change Orders:	$ (5,583.88)			
Contract Amount to Date: (line 1 ± 2)		$ 57,838.12		
Total completed and stored to date:	$ 57,838.12			
Retainage: 0 % of Completed Work:	$ -			
Total Earned less Retainage:		$ 57,838.12		
Less previous applications for payment:		$ 54,946.21		
SUBTOTAL			$	2,891.91
OTHER CHARGES (Attach an itemized list)			$	-
CURRENT PAYMENT DUE			$	2,891.91
Balance to finish, including retainage:		$ -		
Contract Time Remaining (If applicable)	- Working Days			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Van Maanen Electric, Inc. (Firm Name)

Signature — Date: 06/06/2023

Engineer / Consultant Approval: Bolton & Menk, Inc. (Firm Name)

Signature — Date: 6/9/2023

City of Grimes Staff Approval:

Signature — Date: 6-22-23

City of Grimes Council Approval: Council 6-27-23

Signature — Date

Submit to: *Matt Ahrens, P.E. - City Engineer - Engineering Department*

E-mail: mahrens@grimesiowa.gov *Phone:* *(515) 986-4050* *Fax:* *(515) 986-4480*

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
1	Temporary Traffic Signal	LS	1.00		1.00	$34,622.00	$ 34,622.00	1.00	$ 34,622.00	-	100.00%
2	Temporary Traffic Signal Rent	MONTH	24.00	(6.00)	18.00	$ 1,200.00	$ 21,600.00	18.00	$ 21,600.00	-	100.00%
8001	Signal Detection Modification	LS		1.00	1.00	$ 1,616.12	$ 1,616.12	1.00	$ 1,616.12	-	100.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $ 57,838.12 $ 57,838.12 0.00%

Date printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	October 26, 2021	$ 36,310.90
2	February 8, 2022	$ 3,420.00
3	April 12, 2022	$ 3,420.00
4	August 9, 2022	$ 2,280.00
5	September 13, 2022	$ 3,815.31
6	December 13, 2022	$ 2,280.00
7	May 9, 2023	$ 3,420.00
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 54,946.21**

Record of Change Orders

No.	Date	Amount
1	August 23, 2022	$ 1,616.12
2	June 27, 2023	$ (7,200.00)
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ (5,583.88)**

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	June 22, 2021
Original Contract Time:	20.00
Added by Change Order:	
Contract Time to Date:	20.00
Time Used to Date:	20.00
Contract Time Remaining:	-

Date Printed: 6/5/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

CITY OF GRIMES

Project Title:	Waterworks Park Improvements		
Contractor:	Edge Commercial, LLC.		
Address:	3155 SE Miehe Drive, Grimes, IA 50111		
Finance Budget Code:	348-430-6499	***Finance Project #***	
Vendor Project or Invoice #:		***PO #***	
Original Contract Date:	June 28, 2022	***Vendor #***	1334

Date of Council Meeting: June 27, 2023 **PAYMENT REQUEST #** 7

PAYMENT PERIOD: Fro April 1, 2023 Through: May 31, 2023

Contract Summary

Original Contract Amount:	$ 3,731,765.39		
Net change by Change Orders:	$ 18,896.20		
Contract Amount to Date: (line 1 ± 2)		$ 3,750,661.59	
Total completed and stored to date:	$ 2,400,933.29		
Retainage: 5 % of Completed Work:	$ 120,046.66		
Total Earned less Retainage:		$ 2,280,886.63	
Less previous applications for payment:		$ 2,005,430.44	
SUBTOTAL			$ 275,456.19
OTHER CHARGES (Attach an itemized list)			$ -
CURRENT PAYMENT DUE			$ 275,456.19
Balance to finish, including retainage:		$ 1,469,774.96	
Contract Time Remaining (If applicable)	(43) CALENDAR DAYS		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all the amounts have been paid by the Contractor for work for which previous Certificate(s) for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Construction Contractor Approval: Edge Commercial, LLC. (Firm Name)

Signature — Date: 6/19/23

Engineer / Consultant Approval: ISG Inc. (Firm Name)

Signature — Date: 6/19/2023

City of Grimes Staff Approval:

Signature — Date: 6-22-23

City of Grimes Council Approval: Council 6-27-23

Signature — Date

Submit to: Matt Ahrens, P.E. - City Engineer - Engineering Department

E-mail: mahrens@grimesiowa.gov *Phone:* (515) 986-4050 *Fax:* (515) 986-4480

Date Printed: 6/19/2023

CONTRACT PRICE DETAIL

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
1	CLEARING AND GRUBBING	LS	1.00		1.00	$ 8,025.00	$ 8,025.00	1.00	$ 8,025.00	-	100.00%
2	EXCAVATION, CLASS 10	CY	3,725.00		3,725.00	$ 11.77	$ 43,843.25	3,350.00	$ 39,429.50	375.00	89.93%
3	SUBGRADE PREPARATION	SY	1,915.00		1,915.00	$ 5.38	$ 10,302.70	815.00	$ 4,384.70	1,100.00	42.56%
4	SUBBASE, MODIFIED, 4 INCH	SY	3,750.00		3,750.00	$ 11.77	$ 44,137.50	1,802.00	$ 21,209.54	1,948.00	48.05%
5	SUBBASE, MODIFIED, 6 INCH	SY	1,915.00		1,915.00	$ 11.77	$ 22,539.55	1,726.00	$ 20,315.02	189.00	90.13%
6	SANITARY SEWER SERVICE STUB, PVC, 6 IN.	LF	400.00		400.00	$ 88.81	$ 35,524.00	400.00	$ 35,524.00	-	100.00%
7	SANITARY SEWER CLEANOUT	EA	2.00		2.00	$ 1,188.50	$ 2,377.00	2.00	$ 2,377.00	-	100.00%
8	STORM SEWER, TRENCHED, RCP, 12 INCH	LF	137.00		137.00	$ 99.51	$ 13,632.87	137.00	$ 13,632.87	3.00	100.00%
9	STORM SEWER, TRENCHED, RCP, 15 INCH	LF	271.00		271.00	$ 99.51	$ 26,967.21	271.00	$ 26,967.21	0.20	100.00%
10	STORM SEWER, TRENCHED, PVC, 6 INCH	LF	160.00		160.00	$ 88.81	$ 14,209.60	160.00	$ 14,209.60	-	100.00%
11	STORM SEWER, TRENCHED, PVC, 10 INCH	LF	12.00		12.00	$ 214.00	$ 2,568.00	12.00	$ 2,568.00	-	100.00%
12	LINEAR TRENCH DRAIN AT SPLASH PAD	LF	16.00		16.00	$ 145.50	$ 2,328.00		$ -	16.00	0.00%
13	PIPE APRON, RCP, 15 INCH	EA	1.00		1.00	$ 5,116.00	$ 5,116.00	1.00	$ 5,116.00	-	100.00%
14	SUBDRAIN, PERFORATED, 6 INCH	LF	1,610.00		1,610.00	$ 37.45	$ 60,294.50	1,610.00	$ 60,294.50	-	100.00%
15	SUBDRAIN CLEANOUT	EA	6.00		6.00	$ 986.67	$ 5,920.02	6.00	$ 5,920.02	-	100.00%
16	SUBDRAIN OUTLETS AND CONNECTIONS	EA	10.00		10.00	$ 259.00	$ 2,590.00	10.00	$ 2,590.00	-	100.00%
17	WATER MAIN, TRENCHED, C900 PVC, 8 INCH	LF	350.00	(70.00)	280.00	$ 74.90	$ 20,972.00	280.00	$ 20,972.00	-	100.00%
18	WATER SERVICE PIPE, TYPE K COPPER, 1 INCH	LF	50.00		50.00	$ 44.94	$ 2,247.00	50.00	$ 2,247.00	-	100.00%
19	WATER SERVICE PIPE, TYPE K COPPER, 2 INCH	LF	220.00		220.00	$ 65.27	$ 14,359.40	220.00	$ 14,359.40	-	100.00%
20	VALVE, GATE VALVE, 8 INCH	EA	2.00		2.00	$ 3,542.00	$ 7,084.00	2.00	$ 7,084.00	-	100.00%
21	TAPPING VALVE ASSEMBLY, 8 INCH	EA	1.00		1.00	$ 8,956.00	$ 8,956.00	1.00	$ 8,956.00	-	100.00%
22	FIRE HYDRANT ASSEMBLY	EA	1.00		1.00	$ 7,811.00	$ 7,811.00	1.00	$ 7,811.00	-	100.00%
23	STORM MANHOLE, SW-401, 48 INCH DIA.	EA	4.00		4.00	$ 6,104.50	$ 24,418.00	4.00	$ 24,418.00	-	100.00%
24	INTAKE, SW-501	EA	1.00		1.00	$ 4,485.00	$ 4,485.00	1.00	$ 4,485.00	-	100.00%
25	INTAKE, SW-505	EA	1.00		1.00	$ 5,687.00	$ 5,687.00	1.00	$ 5,687.00	-	100.00%
26	INTAKE, SW-512	EA	2.00		2.00	$ 4,924.00	$ 9,848.00	2.00	$ 9,848.00	-	100.00%
27	INTAKE, SW-513	EA	1.00		1.00	$ 9,915.00	$ 9,915.00	1.00	$ 9,915.00	-	100.00%
28	REMOVE INTAKE	EA	1.00		1.00	$ 1,872.00	$ 1,872.00	1.00	$ 1,872.00	-	100.00%
29	PAVEMENT, PCC, 7 INCH	SY	1,660.00		1,660.00	$ 53.11	$ 88,162.60	1,615.00	$ 85,772.65	45.00	97.29%
30	REMOVAL OF SIDEWALK	SY	20.00		20.00	$ 26.75	$ 535.00	20.00	$ 535.00	-	100.00%
31	SIDEWALK, PCC, 6 INCH	SY	2,030.00		2,030.00	$ 62.34	$ 126,550.20	958.00	$ 59,721.72	1,072.00	47.19%
32	DETECTABLE WARNING	SF	36.00		36.00	$ 29.72	$ 1,069.92	36.00	$ 1,069.92	-	100.00%
33	PAVEMENT REMOVAL	SY	280.00		280.00	$ 19.26	$ 5,392.80	280.00	$ 5,392.80	-	100.00%
34	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	6.30		6.30	$ 169.21	$ 1,066.02		$ -	6.30	0.00%
35	PAINTED SYMBOLS AND LEGENDS	EA	2.00		2.00	$ 337.00	$ 674.00		$ -	2.00	0.00%
36	TEMPORARY TRAFFIC CONTROL	LS	1.00		1.00	$ 4,280.00	$ 4,280.00	1.00	$ 4,280.00	-	100.00%
37	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (NATIVE PLANTING MIX)	AC	0.30		0.30	$ 9,523.33	$ 2,857.00		$ -	0.30	0.00%
38	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (DETENTION BASIN MIX)	AC	0.32		0.32	$ 9,096.88	$ 2,911.00		$ -	0.32	0.00%
39	SOD	SQ	314.00		314.00	$ 98.24	$ 30,847.36		$ -	314.00	0.00%
40	GRASSES, 1 GAL	EA	90.00		90.00	$ 21.40	$ 1,926.00		$ -	90.00	0.00%
41	PERENNIALS, 1 GAL	EA	908.00		908.00	$ 21.40	$ 19,431.20		$ -	908.00	0.00%
42	SHRUBS, 3 GAL	EA	317.00		317.00	$ 69.55	$ 22,047.35		$ -	317.00	0.00%
43	TREE, OVERSTORY, 2" CAL	EA	37.00		37.00	$ 518.95	$ 19,201.15		$ -	37.00	0.00%
44	TREE, EVERGREEN, 4' HT MIN	EA	44.00		44.00	$ 304.95	$ 13,417.80		$ -	44.00	0.00%
45	SWPPP PREPARATION	LS	1.00		1.00	$ 1,070.00	$ 1,070.00	1.00	$ 1,070.00	-	100.00%
46	SWPPP MANAGEMENT	LS	1.00		1.00	$ 2,140.00	$ 2,140.00	0.85	$ 1,819.00	0.15	85.00%
47	FILTER SOCK, 9 INCH DIAMETER	LF	2,500.00		2,500.00	$ 2.67	$ 6,675.00	2,500.00	$ 6,675.00	-	100.00%
48	TEMPORARY RECP, TYPE 2.D	SY	3,150.00		3,150.00	$ 2.94	$ 9,261.00		$ -	3,150.00	0.00%
49	RIP RAP, EROSION STONE	TON	4.00		4.00	$ 113.25	$ 453.00	4.00	$ 453.00	-	100.00%
50	EROSION CONTROL MULCHING, HYDROMULCHING	AC	3.00		3.00	$ 4,494.00	$ 13,482.00		$ -	3.00	0.00%
51	MOBILIZATION	LS	1.00		1.00	$140,000.00	$ 140,000.00	1.00	$ 140,000.00	-	100.00%
52	CONCRETE WASHOUT	LS	1.00		1.00	$ 1,070.00	$ 1,070.00	0.70	$ 749.00	0.30	70.00%
53	PLAY TURF SURFACING (NATURE PLAYSCAPE)	SF	4,535.00		4,535.00	$ 30.65	$ 138,997.75		$ -	4,535.00	0.00%
54	PCC CURB AT PLAY TURF	LF	223.00		223.00	$ 115.16	$ 25,680.68	155.00	$ 17,849.80	68.00	69.51%
55	SPLASH PAD PAVEMENT	SF	5,284.00		5,284.00	$ 10.53	$ 55,640.52		$ -	5,284.00	0.00%
56	SPLASH PAD FEATURES AND EQUIPMENT	LS	1.00		1.00	$493,600.00	$ 493,600.00	0.60	$ 296,160.00	0.40	60.00%
57	DRY CREEK BED PAVEMENT	SF	1,850.00		1,850.00	$ 17.35	$ 32,097.50		$ -	1,850.00	0.00%
58	BENCH	EA	3.00		3.00	$ 1,946.00	$ 5,838.00	1.50	$ 2,919.00	1.50	50.00%
59	SANDSTONE BENCH	EA	4.00		4.00	$ 5,312.50	$ 21,250.00	4.00	$ 21,250.00	-	100.00%
60	LITTER RECEPTACLE	EA	5.00		5.00	$ 1,615.60	$ 8,078.00	2.50	$ 4,039.00	2.50	50.00%
61	BIKE RACK	EA	12.00		12.00	$ 802.50	$ 9,630.00	6.00	$ 4,815.00	6.00	50.00%
62	PICNIC TABLE	EA	6.00		6.00	$ 3,595.17	$ 21,571.02	3.00	$ 10,785.51	3.00	50.00%
63	PICNIC TABLE (ADA)	EA	4.00		4.00	$ 3,595.25	$ 14,381.00	2.00	$ 7,190.50	2.00	50.00%
64	PLAY MOUND	SF	735.00		735.00	$ 25.25	$ 18,558.75	368.00	$ 9,292.00	367.00	50.07%
65	PEDESTRIAN BRIDGES	LS	1.00		1.00	$61,688.00	$ 61,688.00	0.50	$ 30,844.00	0.50	50.00%
66	LIMESTONE BLOCK	EA	4.00		4.00	$ 1,605.00	$ 6,420.00		$ -	4.00	0.00%
67	OUTCROPPING BORDER	EA	60.00		60.00	$ 1,926.00	$ 115,560.00		$ -	60.00	0.00%

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

ITEM NO.	DESCRIPTION (Include Change Order # if Applicable)	UNITS	ORIGINAL PROPOSED QUANTITY	QUANTITY CHANGE (BY CHANGE ORDER)	TOTAL QUANTITY	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETE	VALUE OF COMPLETED WORK	REMAINING QUANTITY	PERCENT COMPLETE
68	BOULDER AT SPLASH PAD	EA	45.00		45.00	$ 1,070.00	$ 48,150.00		$ -	45.00	0.00%
69	SITE SHELTER	LS	1.00		1.00	$700,000.00	$ 700,000.00	0.80	$ 560,000.00	0.20	80.00%
70	SITE ELECTRICAL	LS	1.00		1.00	$357,018.00	$ 357,018.00	0.75	$ 267,763.50	0.25	75.00%
71	LANDSCAPE EDGING	LF	677.00		677.00	$ 10.92	$ 7,392.84		$ -	677.00	0.00%
72	MULCH	CY	117.00		117.00	$ 107.00	$ 12,519.00		$ -	117.00	0.00%
73	TREE PROTECTION FENCE	LF	601.00		601.00	$ 5.08	$ 3,053.08	601.00	$ 3,053.08	-	100.00%
74	ARCHED WATERFALL	LS	1.00		1.00	$55,640.00	$ 55,640.00		$ -	1.00	0.00%
A1	PARKING LOT LIGHTING	LS	1.00		1.00	$50,400.00	$ 50,400.00		$ -	1.00	0.00%
B1	POURED IN PLACE SURFACING (NORTH PLAYGROUND)	SF	3,630.00		3,630.00	$ 35.75	$ 129,772.50	1,815.00	$ 64,886.25	1,815.00	50.00%
B2	PLAYGROUND EQUIPMENT (NORTH PLAYGROUND)	LS	1.00		1.00	$174,341.00	$ 174,341.00	1.00	$ 174,341.00	-	100.00%
B3	PLAY MOUND	SF	943.00		943.00	$ 25.25	$ 23,810.75	472.00	$ 11,918.00	471.00	50.05%
C1	PLAYGROUND EQUIPMENT (NATURE PLAYSCAPE)	LS	1.00		1.00	$202,884.00	$ 202,884.00	1.00	$ 202,884.00	-	100.00%
	CHANGE ORDER NO. 1										
101	WATER MAIN, TRENCHLESS, C900 PVC, 8 INCH	LF	-	70.00	70.00	$ 245.56	$ 17,189.20	70.00	$ 17,189.20	-	100.00%
102	SIDING WAINSCOT	LS	-	(1.00)	(1.00)	$ 2,400.00	$ (2,400.00)	(1.00)	$ (2,400.00)	-	100.00%
103	ADDITIONAL TREE REMOVAL (1ST REQUEST)	LS	-	1.00	1.00	$ 3,206.00	$ 3,206.00	1.00	$ 3,206.00	-	100.00%
104	ADDITIONAL TREE REMOVAL (2ND REQUEST)	LS	-	1.00	1.00	$ 3,740.00	$ 3,740.00	1.00	$ 3,740.00	-	100.00%
105	ADDITIONAL MOBILIZATION C01	LS	-	1.00	1.00	$ 500.00	$ 500.00	1.00	$ 500.00	-	100.00%
	CHANGE ORDER NO. 2										
106	ADDITIONAL ELECTRIC, CHANGING STATION	LS	-	1.00	1.00	$ 1,904.00	$ 1,904.00	0.50	$ 952.00	0.50	50.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE $ 3,750,661.59 $ 2,400,933.29 64.01%

Date printed: 6/19/2023

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	August 23, 2022	$ 194,840.25
2	September 27, 2022	$ 301,556.01
3	November 22, 2022	$ 432,887.97
4	December 27, 2022	$ 227,543.61
5	January 24, 2023	$ 512,447.01
6	April 25, 2023	$ 336,155.59
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		

Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

TOTAL **$ 2,005,430.44**

Record of Change Orders

No.	Date	Amount
1	August 9, 2022	$ 16,992.20
2	September 27, 2022	$ 1,904.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

TOTAL **$ 18,896.20**

Contract Time Remaining

Contract Period:	CALENDAR DAYS
Original Contract Date:	June 28, 2022
Original Contract Time:	321.00
Added by Change Order:	
Contract Time to Date:	321.00
Time Used to Date:	364.00
Contract Time Remaining:	**(43.00)**

Date Printed: 6/19/2023

RESOLUTION NO. 06-2323 APPROVING CHANGE ORDERS

WHEREAS, the City of Grimes has retained the services of professional contractors for City projects;

WHEREAS, the contractor has agreed to provide a scope of work for the City;

WHEREAS, the contractor from time deems it necessary to amendment a construction contract that changes the contractor's scope of work or materials;

WHEREAS, the change order may adjust the amount of time for completion of work or increase or decrease the contract price;

WHEREAS, the City Engineer has reviewed and approved the attached change orders.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa the attached change orders shall be approved as submitted.

PASSED AND APPROVED this 27th day of June 2023.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

By: _____
Rochelle Williams, City Clerk

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION

AGENDA ITEM: Change Order #3 AMC Mechanical Group

BACKGROUND: Invision states that the increase in the contract is to add a roof drain to the high roof, drain was shown on the architects plans but not on mechanical plans. Change Order is for half of the initial quoted value. Door frame replacement credit is due to damage.

BUDGETARY CONSIDERATIONS: Increasing cost of library project $48.52

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____

*Great Place to Live/Expanded Quality of Life Amenities ___X__

*Dynamic Town/Strong Sense of Community _____

*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:

RESPONSIBLE STAFF/CONTACT INFORMATION – Information provided by Invision by Rochelle Williams

Prepared by; Rochelle Williams

Copies of signed/recorded documents return to: _____

CHANGE ORDER FORM

CITY OF GRIMES

Project Title: Grimes Public Library
Contractor: AMC Mechanical Group
Address: 107 Vermeer Road Pella, IA 50219
Finance Budget Code: 350-410-6499 ***Finance Project #*** 0
Vendor Project or Invoice #: ***PO #*** 0
Original Contract Date: December 17, 2021 ***Vendor #*** 0

Change Order Number: 3

Change Order Date: June 19, 2023

Architects description:
Cost to add a roof drain to the high roof. Drain was shown on the Arch plans, but not on mech plans. Change order is for half of initial quoted value. cost OK
Door frame replacement credit due to damage. cost OK

Purpose of Change Order:

CE #22: Roof Drain at High Roof & CE #34: Door Opening 114 Damage

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1					
2	CE 022: Roof Drain at High Roof	LS	1.00	$ 402.52	$ 402.52
3	CE 034: Door Opening 114 Damage (credit)	LS	1.00	$ (354.00)	$ (354.00)
4					$ -
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -
Change Order Number: 3 makes the following adjustments to the contract:					**$ 48.52**

Contractor Accepted: AMC Mechanical Group
Firm Name

Signature Date

Engineer Approved: INVISION Architecture
Firm Name

Signature 06.20.23
Date

Owner Accepted: City of Grimes

Signature Title

Date

Attest for Owner:

Signature Title

Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 1,021,690.00
1	September 14, 2022	$ 4,285.00
2	April 17, 2023	$ 1,853.13
3	June 19, 2023	$ 48.52
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$ 1,027,876.65**

Date Printed: 6/19/2023

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Change Order #2 Performance Contracting Inc

BACKGROUND: Invision stated that the increase in cost is necessary due to the specific shaft penetrations of this elevator manufacturer required to mount the elevator rails.

BUDGETARY CONSIDERATIONS: Increasing Contract $7,211.00

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____
*Great Place to Live/Expanded Quality of Life Amenities ___X__
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:

RESPONSIBLE STAFF/CONTACT INFORMATION: Prepared by Rochelle Williams with information provided by Invision.

Prepared by:_____
Return to:_____

CHANGE ORDER FORM

CITY OF GRIMES

Project Title:	Grimes Public Library		
Contractor:	Performance Contracting Inc.		
Address:	3405 SE Crossroad Drive, Suite G Grimes IA 50111		
Finance Budget Code:	350-410-6499	***Finance Project #***	0
Vendor Project or Invoice #:		***PO #***	0
Original Contract Date:	December 17, 2021	***Vendor #***	0

Change Order Number: 2

Change Order Date: June 19, 2023

Architects description:
Cost is necessary due to the specific shaft penetrations of this elevator manufacturer required to mount the elevator rails. Cost OK

Purpose of Change Order:

CE 020 - ASI 6 Furnish and install intumescent paint at elevator steel.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1					
2	CE 020 - ASI 6	LS	1.00	$ 7,211.00	$ 7,211.00
3					$ -
4					$ -
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -
Change Order Number: 2 makes the following adjustments to the contract:					**$ 7,211.00**

Contractor Accepted: Performance Contracting Inc.
Firm Name

Signature _____ Date _____

Engineer Approved: INVISION Architecture
Firm Name

Signature _____ Date 06.20.23

Owner Accepted: City of Grimes

Signature _____ Title _____

Date _____

Attest for Owner:

Signature _____ Title _____

Date _____

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 1,466,520.00
1	September 14, 2022	$ 13,700.00
2	June 19, 2023	$ 7,211.00
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$ 1,487,431.00**

Date Printed: 6/19/2023

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION

AGENDA ITEM: Change Order #2 Van Maanen Electric Inc

BACKGROUND: Information supplied by Invision. This is adding card readers to doors, and adding a light fixture to the elevator shaft as required by the elevator manufacturer.

BUDGETARY CONSIDERATIONS: Increasing Contract $4,702.82

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____

*Great Place to Live/Expanded Quality of Life Amenities X

*Dynamic Town/Strong Sense of Community _____

*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:

RESPONSIBLE STAFF/CONTACT INFORMATION: Prepared by Rochelle Williams with information received from Invision.

Prepared by; Rochelle Williams RWilliams@grimesiowa.gov

CITY OF
GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

Copies of signed/recorded documents return to: _____

CHANGE ORDER FORM

CITY OF GRIMES

Project Title: Grimes Public Library
Contractor: Van Maanen Electric Inc.
Address: 500 Iowa Speedway Drive Newton, IA 50208
Finance Budget Code: 350-410-6499 ***Finance Project #*** 0
Vendor Project or Invoice #: ***PO #*** 0
Original Contract Date: December 17, 2021 ***Vendor #*** 0

Change Order Number: 2

Change Order Date: June 19, 2023

Architects description:
add card readers to doors as per owners request cost OK
Add light fixture to elev shaft as required by elevator manufacturer. cost OK

Purpose of Change Order:

CE 020 - ASI 6 Add CR to Door 108 & CE 031 - RFI 119: Add Light Fixture to Elevator Pit

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1					
2	CE 020 - ASI 6	LS	1.00	$ 3,975.71	$ 3,975.71
3	CE 031 - RFI 119: Add Light Fixture	LS	1.00	$ 727.11	$ 727.11
4					$ -
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -

Change Order Number: 2 makes the following adjustments to the contract: $ 4,702.82

Contractor Accepted: Van Maanen Electric Inc.
Firm Name

Signature Date

Engineer Approved: INVISION Architecture
Firm Name

Signature 06.20.23
Date

Owner Accepted: City of Grimes

Signature Title

Date

Attest for Owner:

Signature Title

Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 977,086.00
1	September 14, 2022	$ 27,500.15
2	June 19, 2023	$ 4,702.82
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount $ 1,009,288.97

Date Printed: 6/19/2023

CITY OF
GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Council Meeting for June 27, 2023

AGENDA ITEM: Change Order #5 to Graphite Construction

BACKGROUND: Information supplied by Invision. Door hardware material price increase. Required changes to steel framing at elevator shaft for specific elevator model. New door frames and replacement of damage frame by another contractor.

BUDGETARY CONSIDERATIONS: Increasing Contract $7,914.97

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____

*Great Place to Live/Expanded Quality of Life Amenities X

*Dynamic Town/Strong Sense of Community _____

*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:

RESPONSIBLE STAFF/CONTACT INFORMATION: Prepared by Rochelle Williams with information received from Invision.

Prepared by; Rochelle Williams RWilliams@grimesiowa.gov

Copies of signed/recorded documents return to: _____

AIA® Document G731™ – 2019

Change Order, Construction Manager as Adviser Edition

PROJECT: *(name and address)*
X237400 Grimes Public Library

200 NE Beaverbrooke Blvd
Grimes, IA 50111

OWNER: *(name and address)*
City of Grimes
101 NE Harvey Street
Grimes, IA 50111

CONTRACTOR: *(name and address)*
Graphite Construction Group, Inc
1955 NE 58th Avenue, Suite 100
Des Moines, IA 50313

CONTRACT INFORMATION:
Contract For: BP #2 - General Construction
Date: December 17, 2021

ARCHITECT: *(name and address)*
InVision Architecture, LTD
501 Sycamore Street #101
Waterloo, IA 50701

CHANGE ORDER INFORMATION:
Change Order Number: 005

Date: June 19, 2023

CONSTRUCTION MANAGER: *(name and address)*
The Weitz Company, LLC
611 5th Ave, Suite 300
Des Moines, IA 50309

THE CONTRACT IS CHANGED AS FOLLOWS:
(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

GRIMES LIB PRIME CONTRACT - VOL. 03-000300.2500 - BP #02 - Graphite Group
Door Hardware Material Increase Commitment $ 816.50

GRIMES LIB PRIME CONTRACT VOL. 03-000300.2500 - BP #02 - Graphite
Group ASI 4 & 6 Steel Revisions at Elevator Commitment $ 5,333.76

GRIMES LIB PRIME CONTRACT VOL. 03-000300.2500 - BP #02 - Graphite Group
Openings 111, 112 & 114 Commitment $ 1,764.71

The original Contract Sum was	$	2,665,000.00
Net change by previously authorized Change Orders	$	42,465.95
The Contract Sum prior to this Change Order was	$	2,707,465.95
The Contract Sum will be increased by this Change Order in the amount of	$	7,914.97
The new Contract Sum including this Change Order will be	$	2,715,380.92

The Contract Time will be unchanged by Zero (0) days.
The Contractor's Work shall be substantially complete on July 14, 2023.

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONSTRUCTION MANAGER, CONTRACTOR, AND OWNER.

InVision Architecture, LTD	The Weitz Company, LLC
ARCHITECT *(Firm name)*	**CONSTRUCTION MANAGER** *(Firm name)*
SIGNATURE	**SIGNATURE**
Evan Shaw	Stephanie Morrison, Senior Project Manager
PRINTED NAME AND TITLE	**PRINTED NAME AND TITLE**
06.20.23	6/19/23
DATE:	**DATE:**
Graphite Construction Group, Inc.	City of Grimes
CONTRACTOR *(Firm name)*	**OWNER** *(Firm name)*

AIA Document G731 – 2019 (formerly G701™CMa – 1992). Copyright © 1992 and 2019. All rights reserved. "The American Institute of Architects," "American Institute of Architects," "AIA," the AIA Logo, and "AIA Contract Documents" are trademarks of The American Institute of Architects. This document was produced at 12:09:47 CT on 06/19/2023 under Order No.3104238544 which expires on 05/19/2024, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail docinfo@aiacontracts.com.
User Notes: (3B9ADA54)

SIGNATURE	**SIGNATURE**
Joe Haug	Scott Mikkelsen
PRINTED NAME AND TITLE	**PRINTED NAME AND TITLE**
DATE:	**DATE:**

Architects description:
Door hardware price increase for a few misc items. Notice was given in appropriate time. cost OK
Required changes to steel framing at elevator shaft for specific elevator model. cost OK
New door frames and replacement of damaged frame by other contractor. cost OK

AIA Document G731 – 2019 (formerly G701™CMa – 1992). Copyright © 1992 and 2019. All rights reserved. "The American Institute of Architects," "American Institute of Architects," "AIA," the AIA Logo, and "AIA Contract Documents" are trademarks of The American Institute of Architects. This document was produced at 12:09:47 CT on 06/19/2023 under Order No.3104238544 which expires on 05/19/2024, is not for resale, is licensed for one-time use only, and may only be used in accordance with the AIA Contract Documents® Terms of Service. To report copyright violations, e-mail docinfo@aiacontracts.com.
User Notes: (3B9ADA54)

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: GrimesPlex, Change Order.

BACKGROUND: A change order request has been made for the GrimesPlex project. The purpose and details are as follows:

- Shared Use Path and Bollards (Deduction)
  - Quantity was removed from this contract and included in the building bid package due to sequencing of construction.
- Utility Revisions
  - Utility revisions required to accommodate the proposed buildings.
- Grease Interceptors
  - Required to accommodate proposed kitchens in concessions buildings. Was removed from building bid package due to sequencing of construction.
- Plastic Storm Intake Rings
  - Required but not previously specified on plans.
- Flag Poles and Flag Pole Lights
  - Quantity was added to this contract and removed from the building bid package due to sequencing of construction.
- Dugout Roof Hurricane Ties
  - Required but not previously specified on plans.

BUDGETARY CONSIDERATIONS: The change order will increase the total cost for the project by $24,977.41.

STRATEGIC PLANNING:
Prioritized: Yes
*High-Performing Organization/Exception Professional Services__X__

BOARD/COMMISSION ACTION(S):
STAFF RECOMMENDATION: The staff has reviewed this Change Order and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

CHANGE ORDER FORM

CITY OF GRIMES

Project Title:	GrimesPlex		
Contractor:	Edge Commercial, LLC		
Address:	3155 SE Miehe Drive, Suite #2, Grimes, Iowa 50111		
Finance Budget Code:	367-470-6499	**Finance Project #**	
Vendor Project or Invoice #:		**PO #**	
Original Contract Date:	November 8, 2022	**Vendor #**	1334

Change Order Number: 3

Change Order Date: June 27, 2023

Purpose of Change Order:

Per attached Time Extension, Construction Completion dates were adjusted to accommodate 7 weather days as requested by the Contractor. The additional 7 days will be provided with the condition that the Contractor will make Best Effort to substantially complete the construction of the synthetic turf fields for Pods 1-6 and allow City use of the those Pods as listed in the attach.

7.07 - SHARED USSHARED USE PATH, PCC, 5 IN. WITH WELDED WIRE REINFORCEMENT (PLAZA) - quantity adjustment due to improvements included in building bid package.

8.06 - BOLLARDS - quantity adjustment due to improvements included in building bid package.

12.03 - CR 05 - UTILITY REVISIONS PER PR #5 - utility revisions required to accomodate building bid package.

12.04 - CR 06A - 1,000 GALLON GREASE INTERCEPTORS - 2 LOCATIONS - required to accomodate kitchen in concessions buildings and removed from building bid package prior to bidding.

12.05 - CR 9 - PLASTIC STORM INTAKE RINGS - required but not previously specified on plans.

12.06 - CR 10 - FLAG POLES - 2 LOCATIONS - removed from building bid package prior to bidding.

12.07 - CR 11 - FLAG POLE LIGHTS - 2 LOCATIONS - removed from building bid package prior to bidding.

12.08 - CR 12 - DUGOUT ROOF HURRICANE TIES - required but not previously specified on plans.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
7.07	SHARED USE PATH, PCC, 5 IN. WITH WELDED WIRE REINFORCEMENT (PLAZA)	SY	(1,692)	$ 63.85	$ (108,034.20)
8.06	BOLLARDS	EA	(68)	$ 145.00	$ (9,860.00)
12.03	CR 05 - UTILITY REVISIONS PER PR #5	LS	1.00	$ 33,393.00	$ 33,393.00
12.04	CR 06A - 1,000 GALLON GREASE INTERCEPTORS - 2 LOCATIONS	LS	1.00	$ 67,391.00	$ 67,391.00
12.05	CR 9 - PLASTIC STORM INTAKE RINGS	LS	1.00	$ 2,939.00	$ 2,939.00
12.06	CR 10 - FLAG POLES - 2 LOCATIONS	LS	1.00	$ 15,235.00	$ 15,235.00
12.07	CR 11 - FLAG POLE LIGHTS - 2 LOCATIONS	LS	1.00	$ 13,684.61	$ 13,684.61
12.08	CR 12 - DUGOUT ROOF HURRICANE TIES	LS	1.00	$ 10,229.00	$ 10,229.00
					$ -
					$ -

Change Order Number: 3 makes the following adjustments to the contract: $ 24,977.41

Date Printed 6/20/2023

CHANGE ORDER FORM

Contractor Accepted: Edge Commercial, LLC (Firm Name)

Signature

06-20-2023 (Date)

Engineer Approved: Civil Design Advantage (Firm Name)

Signature

6/20/2023 (Date)

Owner Accepted: City of Grimes MSA 6-20-23

Signature

Title

Date

Attest for Owner:

Signature

Title

Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$23,316,582.11
1	December 13, 2022	$ (6,806.60)
2	May 9, 2023	$ 95,854.00
3	June 27, 2023	$ 24,977.41
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$23,430,606.92**

Date Printed: 6/20/2023

CHANGE ORDER #2
Time Extension

This will adjust the Contract between City of **City of Grimes, Iowa** "Jurisdiction," and **Edge Companies** "Contractor." Dated 11/08/22.

The Contractor hereby agrees to complete the work comprising the below referenced improvements as specified in the Contract Documents,

GRIMES PLEX

The Grimes Plex project includes the construction of multiple recreational synthetic turf fields with supporting public infrastructure improvements located just west of NE Heritage Drive, south of NE 12th Street and east of a tributary to Little Beaver Creek. The project consists of earthwork, subgrade preparation, topsoil, sanitary sewer main, storm sewer, water main with appurtenances, PCC sidewalk pavement, PCC road/parking lot pavement, striping/symbols, fencing, athletic field appurtenances, synthetic turf, seeding/restoration, and other associated work.

Base Bid improvements include construction of approximately 6,000 CY of earthwork; 1,603 LF of 6-inch sanitary sewer main and associated cleanouts; 7 sanitary manholes; 10,096 LF of storm sewer/subdrain between 6-inch diameter and 24-inch diameter; 56 storm sewer structures; 1,820 LF of 6-inch water main/2-inch service; 44,348 SY of 6-inch to 8-inch PCC pavement; 3,161 SY of 4-inch to 6-inch PCC sidewalk/shared use path pavement; subgrade preparation; subgrade treatment; pavement markings; traffic control; erosion control/seeding/landscaping; installation of 2 new electrical services and power distribution equipment, parking lot lighting and power/communications rough ins for parking lot gates; and miscellaneous associated work necessary to complete the project.

Bid Alternate #1 improvements include construction of approximately 26,500 SY of 5-inch reinforced shared use path pavement; 15,645 LF of chain link fence; 62 chain link swinging gates; 18 tie-back tension netting backstops; 3,155 LF of ball control netting; 36 dugout roofs; subgrade preparation; and electrical installation including convenience outlets in dugouts, power and communication rough-ins and handholes at backstops, handholes at athletic light pole locations, conduit rough-ins for athletic lighting, and structural bases/foundations for athletic light poles.

Bid Alternate #2 improvements include the construction of 6 synthetic turf fields with a total of approximately 1,184,000 SF of synthetic turf.

Bid Alternate #4 improvements include installation of all athletic lighting poles, light fixtures and controls for athletic lighting.

TIME EXTENSIONS

Contractor is requesting additional time due to unusually cold and wet weather in early spring present in the Grimes Iowa area. The cement stabilization of pods numbers 1-6 were critical path activities on the accepted project schedule and these activities were not able to start until April in lieu of the planned March 13, 2023 start date. Contractor is requesting seven (7) day, non-compensable time extension to the contract completion dates.

Previous Time extensions (Days)	14 Days	Change Order #1

Time extension per this Request (Days) 7 Days Change Order #2

Total Time Extensions, upon approval 21 Days

COMPLETION DATES

Base Bid:
The Contractor shall substantially complete Base Bid – Phase 1 of the project by **May 22, 2023,** and Base Bid – Phase 2 of the project by **August 14, 2023.** Substantial completion for each phase shall be defined as all utility, grading, and pavement completed with the new parking lots and adjacent sidewalks fully open to traffic and fully operational. Should the Contractor fail to substantially complete the work within these timeframes, liquidated damages of **One Thousand Dollars ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

The Contractor shall fully complete the Base Bid of the overall project **within ten (10) calendar days** after substantial completion dates subject to seeding date restrictions. Full completion of the Base Bid for each phase shall be defined as all permanent infrastructure construction completed, all areas fully seeded/restored and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

Bid Alternate #1:
The Contractor shall substantially complete Bid Alternate #1 – Phase 1 -Pod #1 of the project by **May 22, 2023**, Bid Alternate #1 – Phase 2 – Pod #2 of the project by **June 19, 2023,** Bid Alternate #1 – Phase 2 – Pod #3 of the project by **July 17, 2023,** Bid Alternate #1 – Phase 2 – Pod #4 of the project by **August 14, 2023,** Bid Alternate #1 – Phase 2 – Pod #5 of the project by **September 11, 2023 and** Bid Alternate #1 – Phase 2 – Pod #6 of the project by **October 09, 2023.** Substantial completion for each phase shall be defined as all sidewalks adjacent to the fields, fence posts, netting posts, field light footings and electrical infrastructure within sidewalks completed with the new sidewalks fully operational and ready for the installation of synthetic turf. Should the Contractor fail to substantially complete the work within these timeframes, liquidated damages of **One Thousand Dollars ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

The Contractor shall fully complete Bid Alternate #1 – Phase 1- Pod #1 of the project by **June 26, 2023**, Bid Alternate #1 – Phase 2 – Pod #2 of the project by **August 14, 2023,** Bid Alternate #1 – Phase 2 – Pod #3 of the project by **September 11, 2023,** Bid Alternate #1 – Phase 2 – Pod #4 of the project by **October 12, 2023,** Bid Alternate #1 – Phase 2 – Pod #5 of the project by **November 06, 2023** and Bid Alternate #1 – Phase 2 – Pod #6 of the project by **December 04, 2023..** Full completion of Bid Alternate #1 for the project shall be defined as all fencing, netting and, dugouts with convenience electrical outlets completed and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

Bid Alternate #2:
The Contractor shall substantially complete Bid Alternate #2 – Phase 1 – Pod #1 of the project by **July 03, 2023**, Bid Alternate #2 – Phase 2 – Pod #2 of the project by **July 31, 2023,** Bid Alternate #2 – Phase 2 – Pod #3 of the project by **August 28, 2023,** Bid Alternate #2 – Phase 2 – Pod #4 of the project by

September 25, 2023, Bid Alternate #2 – Phase 2 – Pod #5 of the project by **October 23, 2023** and Bid Alternate #2 – Phase 2 – Pod #6 of the project by **November 20, 2023**. Substantial completion of Bid Alternate #2 for each phase of the project shall be defined as synthetic turf fully open to use. Should the Contractor fail to substantially complete the work within this timeframe, liquidated damages of **One Thousand Dollars ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

Contractor will make Best Efforts to substantially complete the construction of synthetic turf fields for Pods number 1 through 6, early, and allow City use of these Pods as follows:

POD #1	**June 28, 2023**
POD #2	**July 25, 2023**
POD #3	**August 03, 2023**
POD #4	**September 01, 2023**
POD #5	**September 26, 2023**
POD #6	**October 20, 2023**

The Contractor shall fully complete Bid Alternate #2 for the project **within ten (10) calendar days** after substantial completion dates. Full completion of Bid Alternate #2 for the project shall be defined as all permanent infrastructure construction completed and all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

Bid Alternate #4:
The Contractor shall substantially complete Bid Alternate #4 – Phase 1 – Pod #1 of the project by **July 03, 2023**, Bid Alternate #4 – Phase 2 – Pod #2 of the project by **July 31, 2023,** Bid Alternate #4 – Phase 2 – Pod #3 of the project by **August 28, 2023,** Bid Alternate #4 – Phase 2 – Pod #4 of the project by **September 25, 2023,** Bid Alternate #4 – Phase 2 – Pod #5 of the project by **October 23, 2023** and Bid Alternate #4 – Phase 2 – Pod #6 of the project by **November 20, 2023.** Substantial completion for each phase shall be defined as field lights being functional for use. Should the Contractor fail to substantially complete the work within these timeframes, liquidated damages of **One Thousand Dollars ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

The Contractor shall fully complete Bid Alternate #4 for the project **within ten (10) calendar days** after substantial completion date. Full completion of Bid Alternate #4 for the project shall be defined as all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/23

AGENDA ITEM: SE Trail Ridge Road Reconstruction, Change Order.

BACKGROUND: A change order request has been made for the SE Trail Ridge Road Reconstruction project. The purpose and details are as follows:

- Water Service Investigation
  - Excavation of the water service at 700 SE Trail Ridge Rd due to resident's concern that their water service was bent during the SE Trail Ridge Water Main project.

BUDGETARY CONSIDERATIONS: The change order will increase the total cost for the project by $2,651.00.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services_X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff has reviewed this Change Order and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

CHANGE ORDER FORM

CITY OF GRIMES

Project Title: SE Trail Ridge Road Reconstruction
Contractor: Sternquist Construction, Inc.
Address: 110 N. 14th Street, Indianola, IA 50125
Finance Budget Code: 376-210-6499 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: March 14, 2023 ***Vendor #*** 4488

Change Order Number: 3

Change Order Date: June 27, 2023

Purpose of Change Order:

Excavation of the water service at 700 SE Trail Ridge Rd due to residents concern that their water service was bent during the SE Trail Ridge Water Main project.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1	Water Service Investigation	LS	1.00	$ 2,651.00	$ 2,651.00
2					$ -
3					$ -
4					$ -
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -
Change Order Number: 3 makes the following adjustments to the contract:					**$ 2,651.00**

Contractor Accepted: Sternquist Construction, Inc.
Firm Name
Signature — Date: 5-31-23

Engineer Approved: City of Grimes
Firm Name
Signature — Date: 5-31-23

Owner Accepted: City of Grimes
Signature — Title
Date

Attest for Owner:
Signature — Title
Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 1,445,265.55
1	April 25, 2023	$ 2,420.00
2	May 23, 2023	$ 7,688.98
3	June 27, 2023	$ 2,651.00
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$ 1,458,025.53**

Date Printed: 5/30/2023

CITY OF
GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Waterworks Park Improvements, Change Order.

BACKGROUND: A change order request has been made for the Waterworks Park Improvements project. The purpose and details are as follows:

- Brings splash pad mechanical equipment and play features into compliance with Iowa Department of Public Health code.
    - Replacement of real boulders with faux boulders.
    - Replacement of splash-pad water slide with playground slide.
    - Installation of separate controller for non-recirculating features.
    - Connection of specific features to the sites sanitary service, separate from the recirculating system.
    - Connections from treatment equipment to storm and sanitary service lines.
- Incorporates proprietary surfacing to splash pad surface for user safety and constructability.
- Brings installation of a signature art piece into the construction contract (site and structural work only)

BUDGETARY CONSIDERATIONS: The change order will increase the total cost for the project by $254,027.00.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services__X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff has reviewed this Change Order and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

CHANGE ORDER FORM

CITY OF GRIMES

Project Title:	Waterworks Park Improvements		
Contractor:	Edge Commercial, LLC.		
Address:	3155 SE Miehe Drive, Grimes, IA 50111		
Finance Budget Code:	348-430-6499	***Finance Project #***	0
Vendor Project or Invoice #:	0	***PO #***	0
Original Contract Date:	June 28, 2022	***Vendor #***	1334

Change Order Number: 3

Change Order Date: June 27, 2023

Purpose of Change Order:

Incorporate splash pad features meeting Iowa Department of Public Health Code (IDPH), including: replacing the splash pad's slide with a playground slide, treatment equipment for recirculation, adjusted spray features, and utility connections for all equipment.

Tuff Coat surafcing is included to provide increased user safety and ease construction/maintenance operations.

Replacing real boulders on the splash pad with faux boulder per IDPH.

A reinforced footing is included to allow proper installation of an art feature.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
56	SPLASH PAD FEATURES AND EQUIPMENT	LS	0.20	$ 493,600.00	$ 98,720.00
68	BOULDER AT SPLASH PAD	EA	(9.00)	$ 1,070.00	$ (9,630.00)
107	ART FEATURE, FOOTING	LS	1.00	$ 21,000.00	$ 21,000.00
108	BURKE EMBANKMENT SLIDE	EA	1.00	$ 17,000.00	$ 17,000.00
109	TUFF COAT SURFACING	SF	6,820.00	$ 8.75	$ 59,675.00
110	QCP BOULDERS	LS	1.00	$ 21,620.00	$ 21,620.00
111	WATER CONTAINMENT SYSTEM SANITARY CONNECTION	LS	1.00	$ 12,500.00	$ 12,500.00
112	SANITARY CONNECTION, SPLASH PAD DRAIN	LS	1.00	$ 4,000.00	$ 4,000.00
113	STORM CONNECTION, 4" X 6"	EA	1.00	$ 4,000.00	$ 4,000.00
114	STORM SEWER, 4", PVC	LF	100.00	$ 125.00	$ 12,500.00
115	WATER CONNECTION TO CABINET	LS	1.00	$ 12,642.00	$ 12,642.00

Change Order Number: 3 makes the following adjustments to the contract: $ 254,027.00

Contractor Accepted: Edge Commercial, LLC. (Firm Name)

Signature: [signature] Date: 6/19/23

Engineer Approved: ISG Inc. (Firm Name)

Signature: [signature] Date: 6/19/2023

Owner Accepted: City of Grimes MSA 6-20-23

Signature _____ Title _____ Date _____

Attest for Owner:

Signature _____ Title _____ Date _____

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 3,731,765.39
1	August 9, 2022	$ 16,992.20
2	September 27, 2023	$ 1,904.00
3	June 27, 2023	$ 254,027.00
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount $ 4,004,688.59

Date Printed: 6/19/2023

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: Highway 44 at County Line Road Temporary Traffic Signal, Change Order.

BACKGROUND: A change order request has been made for the Highway 44 at County Line Road Temporary Traffic Signal project. The purpose and details are as follows:

- Reconciliation of contract quantities.

BUDGETARY CONSIDERATIONS: The change order will decrease the total cost for the project by $7,200.00.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services_X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff has reviewed this Change Order and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Matt Ahrens, City Engineer
Return to: Matt Ahrens, City Engineer

CHANGE ORDER FORM

CITY OF GRIMES

Project Title:	Highway 44 at County Line Road Temporary Traffic Signal		
Contractor:	Van Maanen Electric, Inc.		
Address:	500 Iowa Speedway Dr, Newton, IA 50208		
Finance Budget Code:	334-210-6499	***Finance Project #***	0
Vendor Project or Invoice #:	0	***PO #***	0
Original Contract Date:	June 22, 2021	***Vendor #***	2161

Change Order Number: 2

Change Order Date: June 27, 2023

Purpose of Change Order:

Reconcilliation of Contract Quantities

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
2	Temporary Traffic Signal Rent	MONTH	(6.00)	$ 1,200.00	$ (7,200.00)
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
					$ -
Change Order Number: 2 makes the following adjustments to the contract:					**$ (7,200.00)**

Contractor Accepted: Van Maanen Electric, Inc.
Firm Name

Signature

06/06/2023
Date

Engineer Approved: Bolton & Menk, Inc.
Firm Name

Signature

6/9/2023
Date

Owner Accepted: City of Grimes MSA 6-20-23

Signature

Title

Date

Attest for Owner:

Signature

Title

Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 63,422.00
1	August 23, 2022	$ 1,616.12
2	June 27, 2023	$ (7,200.00)
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$ 57,838.12**

Date Printed: 6/5/2023

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: Iowa Highway 44 Trail Extension, Change Order.

BACKGROUND: A change order request has been made for the Iowa Highway 44 Trail Extension project. The purpose and details are as follows:

- Cleanout Castings
  - Encountered storm sewer cleanouts within the existing ditch. Cleanout locations are within the proposed trail location and will require cleanout castings due to being in pavement.

BUDGETARY CONSIDERATIONS: The change order will increase the total cost for the project by $1,600.00.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services_X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff has reviewed this Change Order and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

CHANGE ORDER FORM

CITY OF GRIMES

Project Title: Iowa Highway 44 Trail Extension
Contractor: Howrey Construction
Address: 316 Austin Street, Rockwell City, IA 50579
Finance Budget Code: 377-430-6499 ***Finance Project #***
Vendor Project or Invoice #: ***PO #***
Original Contract Date: April 11, 2023 ***Vendor #*** 4510

Change Order Number: 1

Change Order Date: June 27, 2023

Purpose of Change Order:

Encountered storm sewer cleanouts that were in conflict with trail installation. Castings will be installed over the cleanouts.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1	Cleanout Castings	EA	2.00	$ 800.00	$ 1,600.00
2					$ -
3					$ -
4					$ -
5					$ -
6					$ -
7					$ -
8					$ -
9					$ -
10					$ -
Change Order Number: 1 makes the following adjustments to the contract:					**$ 1,600.00**

Contractor Accepted: Howrey Construction
Firm Name
Signature
6/2/2023
Date

Engineer Approved: City of Grimes
Firm Name
Signature
6-20-23
Date

Owner Accepted: City of Grimes
Signature
Title
Date

Attest for Owner:
Signature
Title
Date

Record of Change Orders

#	Date	Amount
Original Contract Amount		$ 452,810.00
1	June 27, 2023	$ 1,600.00
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **$ 454,410.00**

Date Printed: 6/2/2023

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date:06/27/2023

AGENDA ITEM: Resolution #06-2423 Adjustment of Thorpe Water Development (Gould Heights District) Water Charges

BACKGROUND: The Thorpe Water Development (Gould Heights Water District) experienced higher than usual water consumption on the June 1, 2023 bill. It was determined that the higher usage was attributed to the City's water main infrastructure expansion and installation for the Rock Creek Surgical Center. The Thorpe Water Development (Gould Heights Water District) owner has requested a billing adjustment due to the project water consumption. City engineers could account for 32,000 gallons of water usage for the project, allowing an adjustment for the account.

BUDGETARY CONSIDERATIONS: An adjustment of $238.80 for water and excise tax is recommended for the utility account of Thorpe Water Development (Gould Heights Water District).

STRATEGIC PLANNING:
Prioritized ____YES ____NO

*High-Performing Organization/Exception Professional Services
*Great Place to Live/Expanded Quality of Life Amenities X
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S): Council approved Resolution 07-0622 approving the Development Agreement with Rock Creek Investments.

STAFF RECOMMENDATION: Staff recommends approval

RESPONSIBLE STAFF/CONTACT INFORMATION: Marcia Woodke
mwoodke@grimesiowa.gov

Prepared by: Kathy Steele
Return to: Marcia Woodke

CITY OF GRIMES

RESOLUTION NO. 06-2423

RESOLUTION REGARDING UNCOLLECTIBLE UTILITY DEBT

WHEREAS, the City of Grimes employs various methods to recover outstanding payments for utility accounts and has demonstrated a good track record of collections, and

WHEREAS, utility accounts with outstanding balances exceeding $50.00 may be submitted to the Iowa Income Offset Program for collection, provided the account holder's Social Security Number is available to Grimes, and

WHEREAS, utility accounts with overdue balances that do not have Social Security Numbers provided or fall below the $50.00 threshold are not eligible for collection through the Iowa Income Offset Program, and

WHEREAS, certain delinquent utility accounts have such minimal outstanding balances that the expenses incurred by Grimes in attempting to collect them would outweigh the potential gains, and

WHEREAS, multiple efforts have been made to collect the amounts owed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA THAT; the utility accounts listed in the attached spread sheet (Exhibit A) shall be deemed uncollectible and the City Finance Director is authorized to write off the uncollectible utility accounts in the amount of $516.37 and remove them from the City's accounting system as outstanding delinquent utility charges.

PASSED AND APPROVED this 27th day of June 2023.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

Thorpe Water Development (Gould Heights District) Water Credit Due to Rock Creek Infrastructure

Gallons to credit	$7.04 per thousand	6% Water Excise Tax	**Total Credit**
32000	$ 225.28	$ 13.52	**$ 238.80**

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: RESOLUTION AUTHORIZING THE ADMINISTRATION AND FUNDING OF A STORMWATER ASSISTANCE GRANT PROGRAM FOR THE CITY OF GRIMES

BACKGROUND: As part of the strategic planning process Grimes City Council identified Soil Quality Restoration (SQR) and Rain Barrels as a priority. This program aims to improve soil quality and reduce stormwater runoff by implementing a soil quality restoration and rain barrel program. This program will provide financial assistance to property owners to implement deep tine aeration with compost additions to restore soil health. Additionally, the program will promote the use of rain barrels to capture and reuse rainwater, reducing stormwater runoff and improving water quality. Through this program, we aim to promote sustainable practices, improve water quality, and protect the natural resources of our community for future generations.

BUDGETARY CONSIDERATIONS: Approximately $25,000 will be used from the Stormwater Maintenance G/L for the implementation of this program.

STRATEGIC PLANNING:
Prioritized _X___YES _____NO

*High-Performing Organization/Exception Professional Services**_X___**
*Great Place to Live/Expanded Quality of Life Amenities __**X**___
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Approval

RESPONSIBLE STAFF/CONTACT INFORMATION: Kevin Hensley, Public Works Director

Prepared by:___KLH_____
Return to:_____

GRIMES RESOLUTION NO. 06-2523

RESOLUTION AUTHORIZING THE ADMINISTRATION AND FUNDING OF A STORMWATER ASSISTANCE GRANT PROGRAM FOR THE CITY OF GRIMES

WHEREAS, the City of Grimes code 10-7-4 allows for the administration of a grant program providing funding assistance for the cost of stormwater management improvements on single-family residential lots;

WHEREAS, the City Council of Grimes, Iowa recognizes the importance of effective stormwater management for the preservation and enhancement of the environment, infrastructure, and quality of life within the community; and

WHEREAS, the City Council as part of the Strategic Plan identified the need to create a program providing financial assistance and support for stormwater management efforts undertaken by residential property owners within the City of Grimes; and

WHEREAS, the City Council seeks to establish a Stormwater Assistance Grant Program to provide financial assistance to residential property owners for implementing stormwater management practices and to ensure the utilization of vendors identified by the Iowa Stormwater Education Partnership;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA that the City staff is hereby authorized and directed to implement the Stormwater Assistance Grant Program, (Exhibit A) including but not limited to reviewing and approving applications, and reimbursing residents in accordance with the program guidelines.

PASSED AND APPROVED this 27th day of June 2023.

Mayor Scott Mikkelsen

By:_____

Attest: City Clerk Rochelle Williams

By:_____

CITY OF GRIMES

STORM WATER ASSISTANCE GRANT PROGRAM

The Storm Water Assistance Grant program was developed as part of the City's strategic planning process. Funds were made available through the annual budgeting process. Additional funding may be sought through external grants, partnerships, or other sources as opportunities arise.

The purpose of the Stormwater Assistance Grant Program is to provide financial assistance to residential property owners within the City of Grimes for the implementation of stormwater management practices on private property. Currently the program includes rain barrels and soil quality restoration.

Residential property owners within the City of Grimes are eligible to apply for the Stormwater Assistance Grant Program. Eligible applicants must demonstrate a commitment to implementing and maintaining the proposed stormwater management practices on their property.

Residential property owners may begin by selecting a reputable contractor for soil quality restoration or a reputable rain barrel provider. A recommended contractor's list can be found on the Rain Campaign's website (raincampaign.org). Once a quote by a reputable contractor and other supporting documentation (property details, proposed storm water management practices, estimated costs, and a before photo) has been provided to the city, the residential property owner may apply online on the City of Grimes website or in person at Public Works. City staff will review and evaluate grant applications based on the eligibility criteria and the proposed stormwater management practices. Priority may be given to applications that demonstrate the greatest potential for stormwater management benefits, such as reducing runoff, water conservation and improving water quality. By applying, the property owner must allow city staff access to the property where the management practice will be installed for routine inspections to ensure compliance with the approved stormwater management practices. City staff will document and track the locations and completion of funded projects.

After the application is approved by city staff, the residential property owner can hire the contractor for soil quality restoration or buy a rain barrel. Once the storm water management practice has been installed, the residential property owner shall submit receipts and documentation to the city via the website link provided with the approval of application, or in person at the Public Works Facility. City staff will perform a site visit to verify project completion and submit for paperwork for reimbursement. The residential property owner will be reimbursed within 45 days of granted reimbursement after council approval.

The City shall periodically evaluate the effectiveness of the Stormwater Assistance Grant Program in achieving its objectives. The evaluation shall consider the impact of implemented stormwater management practices on flood mitigation, water quality, and overall stormwater management in the City of Grimes. Public Works Department to implement SQR on City owned properties to include facilities, parks, and greenways.

CITY OF GRIMES

STORM WATER ASSISTANCE GRANT PROGRAM

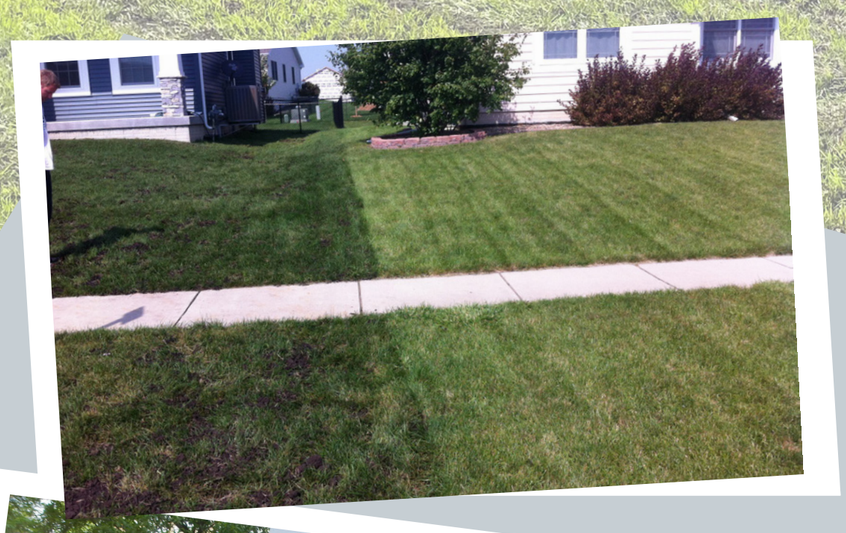
SWAG APPLICATION PROCESS

1. Resident submits application found at:
    a. Website
    b. Social media link to website application
    c. Physical copy at Public Works
2. Application is reviewed.
3. Application is approved or denied. If denied, reason is given to applicant and reapplication is possible.
4. Resident is notified of approval.
5. Resident hires contractor to perform work or buys rain barrel.
6. Practice (Soil Quality Restoration or Rain Barrel) is installed.
7. Resident provides receipts and documentation to City via the following choices:
    a. Submit through app.
    b. Turn physical copy into Public Works
8. Public Works Staff performs site visit.
9. Reimbursement is Granted
10. Resident is reimbursed within 45 days of granted reimbursement after council approval.

CITY OF GRIMES

STORM WATER ASSISTANCE GRANT

Soil Quality Restoration and Rain Barrels



PROGRAM FACTS

Soil Quality Restoration Reimbursement:
50% up to $1500 per property

Rain Barrel Reimbursement:
$75 per barrel per property

CAPTURE. STORE. CLEAN.

SOIL QUALITY RESTORATION

SOIL QUALITY RESTORATION

- Deep tine aeration breaks up compacted soil, allowing space for water to absorb
- An even layer of compost and optional overseeding are applied and settle into the soil
- Increased organic matter on your soil allows for lawn to grow back with deeper roots and a lusher appearance!

RAIN BARRELS

RAIN WATER HARVESTING

- Capture and store rainwater from your roof to re-use around your yard
- Harvested rainwater can be used to water gardens, clean tools, fill bird baths, and more
- Keeping water on your property prevents polluted runoff from entering nearby waterways

To learn more about the benefits of these practices and to find an experienced contractor near you, visit raincampaign.org and iowastormwater.org.

IOWA STORM WATER EDUCATION PARTNERSHIP ISWEP

THE RAIN CAMPAIGN
ENABLING PEOPLE TO PROTECT WATER

APPLY AT GRIMESIOWA.GOV

Central Iowa Stormwater BMP Cost-Share Program

Which stormwater practices are incentivized in my community?

RainCampaign.org

Did you know that your community may have a cost-share program that funds practices you can use in your yard to make it soak up stormwater, which helps improve the water quality in local rivers, streams, ponds and lakes? Contact your local City or SWCD or visit their website to learn more.

I live in this community:									
Altoona	Ames	Ankeny	Des Moines	Johnston	Norwalk	Pleasant Hill	Urbandale	Waukee	West Des Moines
Cost-share funds help pay for these BMPs:									
• Rain barrels	• Rain barrels $50, max 2 • Rain gardens $400 • Native Landscaping $350 • • Soil quality restoration $350 •Composter $50 • Trees $75/tree, max 2	• Rain barrels • Rain gardens • Bioretention cells • Permeable pavers • Soil quality restoration • Native landscaping • Other stormwater BMPs	• Rain barrels • Rain gardens • Bioretention cells • Permeable pavers • Soil quality restoration • Streambank stabilization • Other stormwater BMPs	• Rain barrels • Rain gardens • Filtration or infiltration system • Erosion control • Grassed swale planting • Other stormwater BMPs	• Rain barrels • Rain gardens • Filtration or infiltration system • Erosion control • Grassed swale planting • Other stormwater BMPs	• Rain barrels • Rain gardens • Bioretention cells • Permeable pavers • Soil quality restoration • Other stormwater BMPs	• Drain tiles • Erosion control • Soil quality restoration • Bank reinforcement • Exterior drainage improvements or facility repairs	• Rain barrels • Rain gardens • Bioretention cells • Soil quality restoration	• Rain barrels • Soil quality restoration
Cost-share rate:									
50% up to $75 per residential property	See details above	50% up to $1,800 per fiscal year; 50% of rain barrel with a maximum of $75	50% up to $2,000	50% up to $1,250 per fiscal year, per property	50% up to $1,500, 50% up to $75 for rain barrels	50% up to $75 for rain barrels and 50% up to $750 for all other eligible BMPs	50% of qualifying expenses up to a specified maximum contribution per project	50% up to $1,000; first come, first served basis	Rain barrels up to $75 Soil quality restoration 50% match up to $1,500
Applications available here:									
http://www.altoona-iowa.com/2019/03/29/rain-barrel-grant-program/	https://www.cityofames.org/government/departments-divisions-i-z/public-works/stormwater-program/smart-watersheds	https://www.ankenyiowa.gov/our-city/departments/public-works/stormwater-division/stormwater-reimbursement-program	https://dsm.city/SWBMP	https://www.cityofjohnston.com/747/Homeowner-Grant-Program	https://cdn5-hosted.civiclive.com/UserFiles/Servers/Server_6519743/File/Government/Departments/Community%20Development/Stormwater/Stormwater%20Grant%20Application%20(fillable).pdf	https://www.pleasanthilliowa.org/354/Reimbursement-Program	http://www.urbandale.org/563/Storm-Water-Grant-Progra	https://www.waukee.org/468/Best-Management-Practices-Reimbursement-	https://www.wdm.Iowa.gov/residents/rain-barrel-and-soil-quality-restoration-reimbursement-program
Applications due at this time:									
Anytime to Altoona City Hall, 900 Venbury Drive, Suite A Altoona, IA 50009	Anytime to City of Ames Public Works, Smart Watetrsheds Program 515 Clark Ave., Ames, IA 50010	By May 31 of the application's fiscal year to the City of Ankeny 1210 NW Prairie Ridge Rd, Ankeny IA 50023	By June 1, 2023 to Clean Water Program, WRF Building 96, 3000 Vandalia Road, Des Moines, IA 50317 or by email at stormwater@dmgov.org	By May 31 of the application's fiscal year to the City of Johnston Community Development Department, 6221 Merle Hay Rd., P.O. Box 410, Johnston, IA 50131	By May 31st of the fiscal year to the City of Norwalk Community Development Dept. 705 North Ave. Norwalk, IA 50211	Within the completion of the project's fiscal year to the City of Pleasant Hill, Attn: Chris Widmer, 5160 Maple Dr. Ste. A, Pleasant Hill, IA, 50327	Anytime until all grant funds are allocated (with reimbursements requested by July 1 of the grant year) by email at stormwater@urbandale.org	Within the completion of the project's fiscal year to Waukee Public Works Department, Stormwater Utility, 805 University Avenue, Waukee, IA, 50263	City of West Des Moines Engineering Services 4200 Mills Civic Parkway West Des Moines, IA 50265
My contact person:									
Karen Oppelt 515-967-5136 koppelt@altoona-iowa.com	Liz Calhoun (515)239-5575, Liz.Calhoun@cityofames.org	Becky Ford 515-963-3550 BFord@ankenyiowa.gov	Patrick Beane 515-323-8165 PABeane@dmgov.org	Clayton Ender 515-727-7763 cender@cityofjohnston.com	Elliot Klimowski 515-981-9530 eklimowski@norwalk.iowa.gov	Chris Widmer 515-309-9463 cwidmer@pleasanthilliowa.org	Kristin Brostrom 515-278-3950 stormwater@urbandale.org	Jenny Corkrean 515-978-7920 jcorkrean@waukee.org	Isaac Svoboda 515-222-3475 rainbarrelandsoil@wdm.iowa.gov

Central Iowa Stormwater BMP Cost-Share Program

Which stormwater practices are incentivized in my community?

RainCampaign.org

Did you know that your community may have a cost-share program that funds practices you can use in your yard to make it soak up stormwater, which helps improve the water quality in local rivers, streams, ponds and lakes? Contact your local City or SWCD or visit their website to learn more.

Waukee	West Des Moines	Windsor Heights	Easter Lake	Polk County					
• Rain barrels • Rain gardens • Bioretention cells • Soil quality restoration	• Rain barrels • Soil quality restoration	• Rain barrels • Rain gardens • Soil quality restoration • Native plantings • Other stormwater BMPs	• Rain barrels • Rain gardens • Bioretention cells • Permeable pavers • Soil quality restoration • Native landscaping	• Rain barrels • Rain gardens • Bioretention cells • Permeable pavers • Soil quality restoration • Streambank stabilization • Native landscaping • Wind breaks					
50% up to $1,000; first come, first served basis	Rain barrels up to $75 Soil quality restoration 50% match up to $1,500	Up to $1,000 per property per fiscal year for most BMPs; Rain barrels up to $75	Rain barrels up to $100 per property and up to 75% cost-share fo eligible practices	50% for all eligible projects					
https://www.waukee.org/468/Best-Management-Practices-Reimbursement-	https://www.wdm.iowa.gov/residents/rain-barrel-and-soil-quality-restoration-reimbursement-program	https://www.windsorheights.org/468/Best-Management-Practices-Reimbursement-	https://easterlake.org/conservation-practices/	https://www.polkswcd.org/index.php/story/cities-helping-homeowners-manage-their-water					
Within the completion of the project's fiscal year to Waukee Public Works Department, Stormwater Utility, 805 University Avenue, Waukee, IA, 50263	City of West Des Moines Engineering Services 4200 Mills Civic Parkway West Des Moines, IA 50265	Applications should be submitted to City Hall by May 1st. 1145-66th Street, Windsor Heights, IA 50324	By the Polk SWCDs monthly meeting for approval before project installation, to Polk Soil and Water Conservation District, 1513 N Ankeny Blvd. Ste. 3, Ankeny, IA 50023	By the Polk SWCD's monthly meeting for approval (BEFORE project installation) to Polk Soil and Water Conservation District, 1513 N Ankeny Blvd. Ste. 3, Ankeny, IA 50023					
Jenny Corkrean 515-978-7920 jcorkrean@waukee.org	Isaac Svoboda 515-222-3475 rainbarrelandsoil@wdm.iowa.gov	Dalton Jacobus 515-645-6825 djacobus@windsorheights.org	Cody Acevedo 515-964-1883 ext. 3 Cody.Acevedo@ia.nacdnet.net	Cody Acevedo 515-964-1883 ext. 3 Cody.Acevedo@ia.nacdnet.net					

Which contractors install stormwater BMP projects in Central Iowa?

Rain Gardens	Rain Barrels	Permeable Pavers	Soil Quality Restoration	Prairie Establishment/Restoration	Seed & Plant Sales
Abundant Designs, LLC Contact: Jeff Reiland 515-681-4937 abundantdesign@hotmail.com abundantdesign.com	Home Solutions of Iowa 515-999-2896 rainbarrels@homesolutionsiowa.com homesolutionsiowa.com	Country Landscapes Contact: Zach Heitzman 515-232-6864 zheitzman@countrylandscapes.com countrylandscapes.com	Apex Companies Contact: Zach DeYoung 515-727-8025 zach.deyoung@apexcos.com	Blooming Prairie Nursery Contact: Bob Wubben 515-971-7350 bloomingprairienursery@gmail.com	Blooming Prairie Nursery Contact: Bob Wubben 515-971-7350 bloomingprairienursery@gmail.com
Country Landscapes Contact: Zach Heitzman 515-232-6864 zheitzman@countrylandscapes.com countrylandscapes.com	Lynn Hammel 515-966-4610 barrelsiowa.com		Lewis Lawn & Labor Contact: Justyn Lewis 515-720-6906 lewislawnlabor@gmail.com www.lewislawnlabor.com	Iowa Restorations Contact: Dan Brouse 712-830-8985 iarestorations@gmail.com	Allendan Seeds Contact: Kelly Hayes 515-462-1241 allendan@allendanseed.com
Lewis Lawn & Labor Contact: Justyn Lewis 515-720-6906 lewislawnlabor@gmail.com www.lewislawnlabor.com	Lewis Lawn & Labor Contact: Justyn Lewis 515-720-6906 lewislawnlabor@gmail.com www.lewislawnlabor.com		Tony Toigo 515-518-5945 ajtoigo3@gmail.com	Prudenterra Contact: Luke Gran 515-451-1202 luke@prudenterra.com	Ion Exchange Contact: Howard Bright 800-921-2143 hbright@ionxchange.com
Blooming Prairie Nursery Contact: Bob Wubben 515-971-7350 bloomingprairienursery@gmail.com	Polk County Conservation Board Contact: Joe Boyles 515-323-5300 pccb_info@polkcountyiowa.gov		GreenTech Contact: Brent Cambridge 712-249-1816 brent@gt-iowa.com	Country Landscapes Contact: Zach Heitzman 515-232-6864 zheitzman@countrylandscapes.com	Prairie Moon Nursery 866-417-8156 info@prairiemoon.com
Capital Landscaping Contact: Phil Glaser 515-244-2724 mail@capitallandscaping.com			Quality Cut Lawn & Landscape Contact: Steve Darcy steve@qualitycutiowa.com		Diversity Farms Contact: Jon Judsen 712-683-5555
			Capital Landscaping Contact: Phil Glaser 515-244-2724 mail@capitallandscaping.com		

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Request for Street Closure for Block Party

BACKGROUND: We have received a request from Kelly Ice, 1712 NW Morningside Dr. for a street closure for a block party on July 8 2023 4:00 pm to 9 pm. Chief Clark and Public Works has reviewed the request and have no issue with the request. The Polk County Sheriff's Department has also been made aware of the block party.

Staff is seeking the approval of the Council for the temporary street closure.

BUDGETARY CONSIDERATIONS:
N/A

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _X_____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:
Staff recommend approval

RESPONSIBLE STAFF/CONTACT INFORMATION: Rochelle Williams

Prepared by:_____
Return to:_____

RESOLUTION NO. 06-2623

RESOLUTON APPROVING A BLOCK PARTY IN THE CITY OF GRIMES

WHEREAS, the residents of the City of Grimes desire to hold a block party on NW Morningside Drive on July 8 2023, from 4:00 PM to 9:00 PM; and

WHEREAS, the City of Grimes supports and encourages community events that bring neighbors together and promote a sense of community pride and unity; and

WHEREAS, the block party organizer has submitted a complete application to the City of Grimes, and have agreed to comply with all applicable rules and regulations; and

WHEREAS, the Fire Chief has reviewed the block party plans, public works will make available arrangements for necessary traffic control at the intersections and the Polk County Sheriff's office has been made aware of the request.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA THAT; the request for street closure shall be approved.

PASSED AND APPROVED by the City Council of the City of Grimes, Iowa, this 27th day of June 2023.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

CITY OF GRIMES

101 NE Harvey, Grimes, Iowa 50111

515.986.3036 Fax 515.986.3846

Today's date: June 11, 2023

Name of Organizer/ Planner: Kelly Ice

Address: 1712 NW Morningside Dr

City: Grimes State: IA Zip Code 50111

Phone: _____ Alternate phone: _____

Email: _____

Date(s) / Time(s) for Event _____

Date: July 8 Start Time: 4:00 ☐ AM ☒ PM End Time: 9:00 ☐ AM ☒ PM

Optional Rain Date _____

Date: _____ Start Time: _____ ☐AM ☐ PM End Time: _____ ☐AM ☐ PM

*Street Closures – please include a map of the area you desire to close and where you would like barricades

Street(s) to be blocked off:

Intersections: Beaverbrooke Blvd AND NW Morningside Dr, NW Morningside Dr & NW Morningside Court

The Grimes City Council must approve all requests for street closures.

Please check all that apply:

- ☒ Erection of a tent or canopy
- ☒ Amplified sound (amplified music or band)
- ☐ Inflatables
- ☒ Food truck -

IMPORTANT: Portable equipment, or structures of any kind must not be located in the street to allow for emergency vehicle access if needed.

Fire Department Approval Approved by Jim Clark

Public Works Approval Approved by Jeremy Thayer

Grimes City Council Approval _____

Rochelle Williams

From: Kelly Ice <kellyice22@gmail.com>
Sent: Sunday, June 11, 2023 8:45 PM
To: Rochelle Williams
Subject: Re: Block Party 2023

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Resolution 06-2723 Adopting the City of Grimes Amended Fee Schedule

BACKGROUND:
The fee schedule requires an update due to recent changes within the City. The updates encompass various modifications, such as introducing fees for the rental housing program, implementing additional charges for records requests, revising the phrasing of the construction observation fee schedule, eliminating transient merchant licensing fees as stated in the ordinance, incorporating costs for limb disposal, altering park and recreation programming, and introducing fees for GrimesPlex, North Complex, and South Complex.

BUDGETARY CONSIDERATIONS:

STRATEGIC PLANNING:
Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services_____
*Great Place to Live/Expanded Quality of Life Amenities _X
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION:

RESPONSIBLE STAFF/CONTACT INFORMATION: Rochelle Williams

Prepared by:_____
Return to:_____

RESOLUTION NO. 06-2723

RESOLUTION ADOPTING THE CITY OF GRIMES AMENDED FEE SCHEDULE FOR 2023

WHEREAS, the City of Grimes recognizes the need to establish and periodically update a fee schedule to ensure the fair and efficient charges for services to its residents and businesses; and

WHEREAS, the City Staff have reviewed existing fee schedule and has determined the necessity of making certain amendments to accurately reflect the actual costs associated with providing various services and permits within the City; and

WHEREAS, the City Council has considered the proposed amendments and believes that they are in the best interest of the City;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA THAT;

PASSED AND APPROVED this 27th day of June 2022.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

Department Fee Schedules 20~~22~~23

Revised: June 27, 2023

CITY OF GRIMES

101 NE Harvey Street
Grimes, IA 50111
P | 515.986.3036
www.grimesiowa.gov

DEVELOPMENT SERVICES

Description	Fee

Administrative:

Board of Adjustment/Appeals Application	$150
Minor Site Plan	$750
Site Plan	$2000
Stormwater Management Plan < 1 Acre	$600
Stormwater Management Plan > 1 Acre	$1,200
Stormwater Post Construction Easement	$500
Stormwater Pollution Prevention Plan (SWPPP)	$250
Traffic ~~Impact Study~~Engineering Evaluation	$500
Preliminary Plat	$2000
Final Plat	$2000
Zoning	$2000
Construction Drawings	$2000
Construction Site Observation	Per Schedule (See Attached)
Grading and Utility Permit	$150
Plat of Survey	$400

Building Permit Fees:

Building permit fees except for the job types identified below shall be calculated based on the 1996 Building Permit Fee Calculation Worksheet. (See attached)	
Inspections outside of normal business	$100/hour
Work Without Permit	$ Double the permit fee
MS-4 Sediment and Erosion Control Quarterly Inspection	$100
Building Permit Re-Issuance/Transfer Fee	$250
Sign Permit (Building-Mounted Sign)	$50
Sign Permit (Ground-Mounted Sign)	$50
Accessory Building (Under 200 SF)	$20
Accessory Building (200-599 SF)	$75
Accessory Building (Above 600 SF)	Valuation
Fence	$20
Deck	$75
Solar/Wind/Renewable Energy	$75
Above Ground Pool/Hot Tub	$50
In-ground Pool	$75
Residential Mechanical Permit	$75
Residential Electrical Permit	$75
Residential Plumbing Permit	$75
Commercial Mechanical Permit	$225
Commercial Electrical Permit	$225
Commercial Plumbing Permit	$225
Demolition Permit	$100
Excavation/Grading Permit	$ Included in Bldg. Permit
Energy Code Review/Inspection	$ Included in Bldg. Permit
Sidewalk/Approach Replacement	$50
Water Connection (Residential)	$500 per housing unit
Water Connection (Commercial)	$1,500 per acre

Formatted Table

Formatted: Indent: Left: 0"

City of Grimes Fee Schedule 2022

DEVELOPMENT SERVICES

Sewer Connection (Residential)	$750 per housing unit
Sewer Connection (Commercial)	$2,250 per acre
Concrete Washout Box	$100 each
Application for Temporary Certificate of Occupancy	$100
Special Event/Outdoor Temporary Use	$100

Rental Housing Program:

Rental Certificate	
Apartment/Duplex	$70.00 per structure/first unit plus $30.00 per additional dwelling units
Single Family, Townhome, Condo	$70.00 per dwelling unit
Re-Inspection	
1st Re-Inspection	$0.00
2nd Re-Inspection and All Subsequent Re-Inspections	$100.00
Complaint Inspection	
Investigation	$0.00
1st Re-Inspection	$0.00
2nd Re-Inspection and All Subsequent Re-Inspections	$100.00

REVISION 8/10/21

Miscellaneous:

Photocopies (8 1/2 x 11 - Color)	$0.50/sheet
Photocopies (11x17 - Color)	$1.00/sheet
Larger Format Copies (Black & White)	$5.00/sheet
Larger Format Copies (Color)	$10.00/sheet
Zoning Maps/Street Maps	$10.00

Electronic Media*	$5.00 per CD (data files)
	$5.00 per DVD (audio files)
	$10.00 per USB drive
	$10.00 per GIS file

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Right, Right: 0.43", Space Before: 6.55 pt, Line spacing: Multiple 1.08 li

Commented [AP1]: Rob, do these need to evaluated based upon consumables, leases, etc? Or too much effort?

Formatted: Table Paragraph, Indent: Left: 0.07", Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Commented [AP2]: Rob, do these need to evaluated based upon consumables, leases, etc? Or too much effort?

Commented [RF3R2]: I think those cover our current cost per printed page

Commented [AP4]: Rob, do these need to evaluated based upon consumables, leases, etc? Or too much effort?

Commented [RF5R4]: I think those cover our current cost per printed page

CONSTRUCTION OBSERVATION FEE SCHEDULE

City of Grimes, Iowa

for Improvements in Developments and Site Plans

ITEM	FEE	BASIS	QUANTITY	TOTAL FEE
Pre-Construction Conference	$250	each	0	$0
Construction Observation:				
Sanitary Sewer	$2.50	per foot of pipe	0	$0
Water Main	$1.25	per foot of pipe	0	$0
Storm Sewer	$1.50	per foot of pipe	0	$0
Sanitary Sewer Service	$75	each	0	$0
Water Main Service	$50	each	0	$0
Storm Sewer Service	$50	each	0	$0
Subdrain	$0.75	per foot of pipe	0	$0
Roadway Paving	$1.00	per s.y. of pavement	0	$0
Trails & Sidewalk	$2.00	per s.y. of pavement	0	$0
Grading	$50	per acre	0	$0
Walk-thru & Project Closeout	$500	each	0	$0
			TOTAL	$0

1) Developer shall assign one representative as primary contact for the development project.

2) Developer~~'s representative is strongly encouraged to attend the preconstruction meeting. Contractor is required to attend~~shall review all preconstruction meeting materials.
3) Developer is encouraged to attend the walk-thru, the Contractor is required to attend.
4) Developer is responsible for the following construction phase services: approval of materials submittals & shop drawings, construction staking, change orders, SWPPP observation, record drawings per City requirements, and lot utility forms.
5) The above fees are based upon standard subdivision construction (full-width slip-form paving, sanitary sewers 12" diameter or less and 15' deep or less, water main 12" diameter or less, and storm sewers 36" diameter or less). Fees for non-standard construction items will be provided to the Developer's representative for review prior to construction.
6) Additional fees may be assessed to the Developer for any defective work that requires reconstruction.
7) Developer is responsible for all testing (geotechnical, pavement, utility).
8) Developer is encouraged to check on completion of the punch list items prior to requesting update since there is a charge for each trip.
9) SWPPP violations will be paid by the Developer on an hourly basis.
10) Developer will be responsible for fees associated with each additional punch list update and record drawing review.

Building Valuation Data

At the request of numerous building officials *Building Standards* offers the following building valuation data representing average costs for most buildings. Residential buildings are the most common for many cities, two general classes are considered for these. One for "Average" construction and the other for "good". Adjustments should be made for special architectural or structural features and location of the project. Higher or lower costs may often result.

The unit costs are intended to comply with the definition of "valuation" in Section 423 of the uniform Code and architectural standards, electrical, Plumbing, and mechanical work, except as specifically listed below. The unit costs also include the contractor's profit, which should not be limited.

The determination of plan check fees for projects reviewed by the International Conference of Building Officials will be based on valuation computed from these figures which were compiled in **April 1991.**

Occupancy and Type	Cost per Square foot, Average
1. APARTMENT HOUSES:	
Type I or II F.R.*	$ 70.40
(Good) $85.80	
Type V,- Masonry (or Type III)	56.00
(Good) $69 .70	
Type V- Wood Frame	49.80
(Good) $63.00	
Type I-Basement Garage	29.50
2. AUDITORIUMS:	
Type I or II F.R	82.60
Type 11-1-Hour	58.60
Type 11-N	55.70
Type 111-1-Hour	62.70
Type 111-N	59.80
Type V-1-Hour	57.50
Type V-N	54.70
3. BANKS:	
Type I or II F.R.*	118.20
Type 11-1-Hour	84.90
Type 11-N	80.90
Type 111-1-Hour	96.30
Type 111-N	91.90
Type V-1-Hour	84.90
Type V-N	80.80
4. BOWLING ALLEYS:	
Type 11-1-Hour	39.50
Type 11-N	37.70
Type 111-1-Hour	43.30
Type 111-N	41.30
Type V-1-Hour	36.90
5. CHURCHES:	
Type I or II F.R.	78.00
Type 11-1-Hour	58.30
Type 11-N	55.40
Type 111-1-Hour	62.60
Type 111-N	59.60
Type V-1-Hour	56.90
Type V-N	54.20
6. CONVALESCENT HOSPITALS:	
Type I or II F.R.*	110.60
Type 111-1-Hour	78.90
Type V-1-Hour	71.00

Occupancy and Type	Cost per Square Foot, Average
7. DWELLINGS:	
Type V- Masonry	59.90
(Good) $76 .80	
Type V-Wood Frame.	51.50
(Good) **$ 72.9.0**	
Basements-	
Semi-Finished	16.00
(Good) $18.20	
Unfinished	12.00
(Good) $14.10	
8. FIRE STATIONS:	
Type I or II F.R.	90.40
Type 11-1-Hour	58.60
Type 11-N	55.70
Type 111-1-Hour	65.20
Type 111-N	61.90
Type V-1-Hour	58.30
Type V-N	55.40
9. HOMES FOR THE HOERLY:	
Type I or II F.R.	81.60
Type 11-1-Hour	65.40
Type 11-N	62.30
Type 111-1-Hour	68.20
Type 111-N	65.20
Type V-1-Hour	65.00
Type V-N	61.80
10. HOSPITALS:	
Type I or II F.R.*	129.60
Type 111-1-Hour	107.80
Type V-1-Hour	100.00
11. HOTELS AND MOTELS:	
Type I or II F.R.*	81.00
Type 111-1-Hour	69.90
Type 111-N	66.60
Type V-1-Hour	61.00
Type *V-N*	58.20
12. INDUSTRIAL PLANTS:	
Type I or II F.R.	44.90
Type 11-1-Hour	30.60
Type 11-(Stock)	29.00
Type 111-1-Hour	33.80
Type 111-N	32.30
nit-up	22.70
Type V-1-Hour	30.50
Type *V-N*	28.80

Occupancy and Type	Cost per Square Foot, II average
13. JAILS:	
Type I or II F.R	126.70
Type 111-1-Hour	115.20
Type V-1-Hour	82.80
14. LIBRARIES:	
Type I or II F.R	92.80
Type 11-1-Hour	64.90
Type 11-N	61.60
TypeIII-1-Hour	70.60
Type 111-N	67.20
Type V-1-Hour	63.30
Type *V-N*	60.30
15. MEDICAL OFFICES:	
Type I or II F.R.*	94.80
Type 11-1-Hour	70.50
Type 11-N	67.20
Type 111-1-Hour	77.10
Type 111-N	73.60
Type V-1-Hour	71.80
Type *V-N*	67.90
16. OFFICES:**	
Type I or II F.R.*	84.90
TypeII-1-Hour	55.00
Type 11-N	52.40
Type 111-1-Hour	60.50
Type 111-N	57.70
Type V-1-Hour	56.00
Type *V-N*	53.40
17. PRIVATE GARAGES:	
Wood Frame	18.30
Masonry	21.70
Open Carports	13. 0
18. PUBLIC BUILDINGS:	
Type I or II F.R.*	98.90
Type 11-1-Hour	73.80
Type 11-N	70.50
Type 111-1-Hour	82.60
Type 111-N	78.90
Type V-1-Hour	73.00
Type *V-N*	70.00
19. PUBLIC GARAGES:	
Type I or II F.R.*	39.00
Type I or II Open Parking*	30.50
Type 11-N	22.90
Type 111-1-Hour	27.50

Occupancy and Type	Cost per Square Foo Average
Type 111-N	26.30
Type V-1-Hour	22.80
20. RESTAURANTS:	
Type 111-1-Hour	73.70
Type 111-N	70.20
Type V-1-Hour	65.30
Type V-N	62.20
21. SCHOOLS:	
Type I or II F.R	88.70
Type 11-1-Hour	63.20
Type 111-1-Hour	63.70
Type 111-N	60.40
Type V-1-Hour	58.30
Type *V-N*	55.20
22. SERVICE STATIONS:	
Type 11-N	52.60
Type 111-1-Hour	52.80
Type V-1-Hour	46.40
Canopies	20.30
23. STORES:	
Type I or II F.R.*	66.40
Type 11-1-Hour	40.00
Type 11-N	39.20
Type 111-1-Hour	48.90
Type 111-N	46.10
Type V-1-Hour	39.00
Type V-N	36.50
24. THEATERS:	
Type I or II F.R	86.50
Type 111-1-Hour	62.70
Type 111-N	59.70
Type V-1-Hour	56.50
Type V-N	54.00
25. WAREHOUSES*	
Type I or II F.R	39.30
Type II or V-1-Hour	23.20
Type II	21.90
TypeIII-1-Hour	26.70
Type 111-N	25.50
EQUIPMENT	
AIR CONDITIONING:	
Commercial	3.40
Residential	2.80
SPRINKLER SYSTEMS	1.60

*Add 0.5 percent to total cost for each story over three. **Deduct 20 percent for shell-only buildings. ***Deduct 11 percent for mini-warehouses.

REGIONAL MODIFIERS

The following modifiers are recommended for use in conjunction with the building valuation data. In addition, certain local conditions may require further modifications. To use these modifiers, merely multiply the listed cost per square foot by the appropriate regional modifier. For example, to adjust the cost of a Type 111-1-Hour hotel building of average construction for the Iowa area, select Regional Modifier 0.80 and unit cost from valuation data, $69.90.

0.80 X 69.90 = $55.90 (adjusted cost per square foot)

Eastern U.S.	Modifier
Connecticut	0.95
Delaware	0.84
District of Columbia	0.87
Florida	0.74
Georgia	0.68
Maine	0.81
Maryland	0.79
Massachusetts	0.94
New Hampshire	0.82
New Jersey	0.91
New York	
New York City	1.16
Other	0.87
North Carolina	0.70

Eastern U.S. (cont.)	Modifier
Pennsylvania	
Philadelphia	0.96
Other	0.83
Rhode Island	0.94
South Carolina	0.70
Vermont	0.80
Virginia	0.73
West Virginia	0.82
Central U.S.	
Alabama	0.72
Arkansas	0.70
Illinois	0.87
Indiana	0.82
Iowa	0.80
Kansas	0.74

Central U.S.	Modifier
Kentucky	0.77
Louisiana	0. 78
Michigan	**0.84**
Minnesota	**0.86**
Mississippi	0.71
Missouri	0.78
Nebraska	0.75
North Dakota	0.80
Ohio	0.80
Oklahoma	0.71
South Dakota	0.78
Tennessee	0.72
Texas	0.74
Wisconsin	0.85
Alaska	1.30

Western U.S.	Modifier
Arizona	0.82
California	
Los Angeles	1.00
San Francisco	1.13
Other	0.94
Colorado	0.81
Hawaii	1.14
Idaho	0.80
Montana	0.79
Nevada	0.89
New Mexico	0.76
Oregon	0.83
Utah	0.75
Washington	0.88
Wyoming	0.80

Building Permit Fees – Valuation

$1.00 to $500.00 of Valuation	$22.00
$501.00 to $2000.00 of Valuation	$22.00 for the first $500.00 plus $2.75 for each additional $100.00, or fraction thereof, to and including $2000.00.
$2,001.00 to $50,000.00 of Valuation	63.00 for the first $2,000.00 plus $12.50 for each additional $1,000.00, or fraction thereof, to and including $25,000.00.
$25,001.00 to $50,000.00 of Valuation	$352.00 for the first $25,000.00 plus $9.00 for each additional $1,000.00, or fraction thereof, to and including $50,000.00.
$50,001.00 to $100,000.00 of Valuation	$580.00 for the first $50,000.00 plus $6.25 for each additional $1,000.00, or fraction thereof, to and including $100,000.00.
$100,001.00 to $500,000.00 of Valuation	$895.00 for the first $100,000.00 plus $5.00 for each additional $1,000.00, or fraction thereof, to and including $500,000.00.
$500,001.00 to $1,000,000.00 of Valuation	$2,855.00 for the first $500,000.00 plus $4.25 for each additional $1,000.00, or fraction thereof, to and including $1,000,000.00.
$1,000,001 and greater of Valuation	$4,955.00 for the first 1,000,000.00 plus $2.75 for each additional $1,000.00, or fraction thereof.

Johnston Grimes Metropolitan Fire Department Fee Schedule

Description **Fee**

Fire Department:

Fire Sprinkler Plans –Base Plan	$200
Additional Riser	$50
Standpipe- Each	$200
Fire Pump- Each	$200
Alternative, Clean Agent Kitchen Hood, Paint Booth	$200
Fire Alarm –Systems Addressable up to 30 Devices	$150
Each Additional Increment of 30 Devices	$25
1st Re-inspection Fee	$0
2nd Re-inspection Fee	$100
3rd Re-inspection Fee	$200
4th Re-inspection Fee	$300
5th Re-inspection Fee	$400
Subsequent Re-inspection Fee	$500
Nuisance Alarms in 12 months (Alarms 1-3)	$0
4th Nuisance Alarm	$100
5th Nuisance Alarm	$200
6th Nuisance Alarm	$300
7th Nuisance Alarm	$400
Subsequent Nuisance Alarms	$500
Liquified Propane Tank	$25
Above Ground Tank- Fuel, Chemical, Oil	$100
Plan Resubmittal	$50
Above Listed System Demolition	$50
Failure to Obtain Permit	$200

Ambulance Services:

BSL	$600
ALS 1	$700
ALS 2	$1023
Treat and Release	$250

CITY HALL

Description	Fee
Utilities Billing:	
Meters:	
5/8" X ¾"	$1.62/month
¾" X ¾"	$1.62/month
1"	$2.45/month
2"	$16.33/month
3"	$19.47/month
4"	$33.73/month
Meter Install	$20
Radio Read	$229
Hydrant Meters:	
¾"	$340
3"	$3,700 w/Backflow
Hookup & Admin Fee (first 30 days)	$200
Hookup (additional 30 days)	$75
Irrigation Meters:	
¾"	$340
1"	$403
Water Meters w/Radio Reads:	
¾" Sensus meter	$424
1" Sensus meter	$552
2" Sensus meter	$2384
3" Sensus meter	$2798
4" Sensus meter	$4977
Meter Testing	$25
Construction Water Permit	$100
Late Penalty	1.5% of amount due
Disconnect Notice	$5
~~Reconnect~~ Disconnect Fee	$25
Same day after hours ~~reconnect~~disconnect ~~-~~fee. Grimes Water Customers paying past due after 3pm to be reconnected before 4:30pm	$50
Thorpe Service Area ~~Reconnect~~Disconnect Fee	$50
Rental Resident Deposit	$100
Breaking Seal/Tampering w/meter	$100 + $100 trip charge & parts to repair
Unauthorized Use of Unmetered Water	$200
Plus Estimated Water Use (measurable or unmeasurable)	$10.46/1000 or $105.00 unmeasurable
Garbage & Recycle	Garbage & Recycle per ordinance
Additional Garbage Cart	Per Ordinance
Extra Garbage Sticker	Rate per MWA
Large Item Pickup Sticker	Rate per MWA
Compost Cart (one-time fee)	Rate per MWA
Compost Cart Annual Renewal Sticker	Rate per MWA
Compost Cart Renewal Sticker (start service in June)	Rate per MWA
Compost Cart Renewal Sticker (start service July-November)	Rate per MWA
Trip Charge	$25

Exhibit A – Current fees attached

City of Grimes Fee Schedule 2022 **City Hall**

Administrative:

Tickets:	
Parking	$10
Handicap Parking	$200
Fire Lane Parking	$50
Snow Ordinance Violation	$50
Engine/Compression Break Violation	$50
Special Permit for Load and Weight Restrictions	$25
Vehicle Impoundment	$25 admin fee + refund to the City for the cost of impoundment
Fireworks (first offense)	$100
Fireworks (second offense)	$750
Fireworks (third or subsequent offense)	$1000
Fireworks (first offense between 10:30pm and 6am other than the evening of July 4th and December 31st)	$750
Fireworks (second or subsequent offenses between 10:30pm and 6am other than the evening of July 4th and December 31st)	$1000
Tobacco License (Full Year)	$100
Tobacco License (Oct-Dec)	$75
Tobacco License (Jan-Mar)	$50
Tobacco License (Apr-Jun)	$25
Pet License	$5 annually
Compost Bag	Rate per MWA
Compost Bags (bundle of 5)	Rate per MWA
Compost Sticker	Rate per MWA
Black & White Copy	$.10 each
Color Copy	$.50 each
Fax (First page)	$1.00
Fax (Each additional page up to 14 pages)	$.25
Receive Fax	$.10 per page

Formatted Table
Formatted: Table Paragraph
Formatted: Table Paragraph
Formatted: Table Paragraph
Formatted: Table Paragraph
Formatted: Table Paragraph

Incinerator Permit	$10 annually
Disposal Site License	$1,000 annually
Permit to Haul Waste	$5 per vehicle annually
Hazardous Waste Storage Permit	$1,000 annually
Peddlers License (Week)	$20 + $200 cash bond
Peddlers License (Month)	$50 + $200 cash bond
Peddlers License (Three Months)	$100 + $200 cash bond
~~Transient Merchant License (7 days)~~	~~$150 ($25 non-refundable if~~
~~Transient Merchant License (90 days)~~	~~$300 ($50 non-refundable if~~
~~Transient Merchant License (Annual)~~	~~$500 ($50 non-refundable if~~
House Mover Permit	$100
Cemetery Lot (Resident)	$250
Cemetery Lot (Non-Resident)	$500
Fax (first page)	$1.10
Fax (all pages after first)	$0.35
ROW Permit	$150
~~Large limb/log Drop off load at public works facility~~	~~$25~~
Large limb/log ½ dump truck load pick up at residence	$50
Large limb/log full dump truck load pick up at residence	$60
Additional loads - each	$50

Municipal Services:

City Administrator	$55/hour
City Clerk	$50/ hour
Zoning Administrator	$50/hour
Building Official	$50/hour
Finance Officer	$50/hour
Sewer, Street, Water Treatment Superintendent	$40/hour
Sewer, Street, Water Treatment Laborer	$30/hour

Commented [AP6]: I would suggest that HR update these to reflect current staffing costs.

Commented [KH7R6]: I agree and Directors should be added

City of Grimes Fee Schedule 2022 Library

Grimes Public Library

Description	Fee
Book Sales:	
Magazine	$0.25
Board Book/Mass Market Paperbacks	$0.50
All Other Items	$1.00
Damaged Items:	
Lost/Damaged Barcode	$1.00 each
Damaged Media Case	$1.00 each
Lost Game Insert	$5.00
Miscellaneous:	
CD/DVD Buffing & Cleaning	$1.00 each
Black & White Copy	$0.10 each
Color Copy	$0.50 each
Fax (first page)	$1.00
Fax (each additional page up to 14 pages)	$0.25
Receive Fax	$0.10 per page
Mailed Notices	Current Mailing Rate Postage Charge
Processing CC payment over phone ($4.00 minimum)	$1.00
Processing Damaged/Lost Items	$5.00
Delinquent Account Sent to Collections	$15.00
Subscription Card	$50.00/person
Subscription Card (Military Service Member)	$25.00/person
Laminating (Business Card Sized Items)	$0.50 each
Laminating (4"X6" Sized Items)	$1.00 each
Laminating (8.5"X11" Sized Items)	$3.00 each
Envelope	$0.25 each
Stamp	$1.00 each
Labeling Tape	$0.05/inch
USB Drive	$5.00 each
Hotspot Reactivation Fee	$5.00
Nonessential Kit Part Replacement Fee	$5.00
Book Binding Repair (library not liable for damages)	$10.00

Grimes Community Complex & Recreation Programming

~~Description~~ ~~Fee~~

Facility:

	Rental Rate	For Profit
Batting Cage	$20 per hr.	$20 per hr.
Kitchen/Cafeteria	$25.00	$ 70.00
Gym	$30.00	$70.00
Banquet Hall	$45.00	$100.00
Room 402	$35.00	$ 75.00
Room 205	$25.00	$70.00
After Hour Parties for any room	$30.00	$ 50.00
North and South Complexes ~~North and~~	$50.00 per game	
~~North and South Complexes~~ North and	$30.00 per practice	

Formatted: Indent: Left: 0"

Programming/Sports:

Football- Flag Ages 3-4	$45 per child
Football – Flag Kindergarten	$45 per child
Football-Flag Grade 1-2	$550 per child
Football- Flag Grade 3-6	$55 per child
Bam Bam ~~(6 times)~~	$45.~~00~~ per child
Pee Wee Soccer ~~Tiny Kickers (6 times)~~	$45.~~00~~ per child
Pee Wee Basketball ~~Ages 3-5~~	$435 per child
Basketball ~~(8 weeks)~~ Kindergarten	$45.~~00~~ per child
Basketball Grade 1st & 2nd	$6550.~~00~~ per child
Basketball Grade 3rd -6th	$6555.00 per child
Basketball Camps	$30-$40 (depending on # of sessions)
Volleyball League 1st – 6th	$545 per child
~~Volleyball Clinic~~	~~$30.00 per person~~
Explosive Performance	$40 per person
Explosive Soccer Camp	$55 per person
Youth Soccer Clinic~~amp~~	$40 per person
~~Teams of Tomorrow~~	~~$40 per person~~
Pee Wee Indoor Soccer ~~Camp~~	$450 per person
Youth Art Camp	$36 per person
Magic Camp	$1250 per person
Tiny Tigers	$55 per person
Kids Zone	$5 per family
~~Break Dancing~~	~~$59-$71 (depending on # of sessions)~~
Kids Create	~~$88-$112 (depending on # of sessions)~~ $74
Adult Men's Basketball	$175 per team ~~/$25 Free Agent~~
Adult Indoor Volleyball	$8070 per team~~/$15 Free Agent~~
Adult Sand Volleyball	$870 per team~~/$15 Free Agent~~
Adult Slow Pitch Softball	$1870 per team~~/$20 Free Agent~~
Adult Pickleball	$30 per team~~/$25 Free Agent~~
Adult Bags	$30 per team~~/$15 Free Agent~~
~~Adult Spikeball~~	~~$30 per team/$15 Free Agent~~
Adult Kickball	$70 per team~~/$15 Free Agent~~
Boot Camp	$5045 per person

Taekwondo	$60 per person
Walkers Club	$5 per person
Yoga	$480 per person

Grimes Community Complex & Recreation Programming

~~Description~~	~~Fee~~

Programming/Sports Cont:

~~Line Dancing~~	~~$50 per person~~
Citywide Garage Sale	$5 per sale to be listed
Grimes Giving Garden	$150 per garden plot
Fall Festival Vendor	$50 per vendor
~~Annual Halloween Fest~~	~~$5 per family~~
Summer Adventures Age 6-13	$7560 per person
Run for Fun	$45.00
Safety City (Thurs-Fri)	$40 per person
Tennis Clinic	$40-$50 (depending on # of sessions)

Shelters:

Resident- 4-hour rental at all	Free
Non-Resident- 4-hour rental at all	$40

GrimesPlex

Soccer fields – full size:	$160/game
Soccer fields – small size:	$90/game
Baseball/Softball – one field per pod:	$180/game
Baseball/Softball – two fields per pod:	$75/game
Baseball - four fields per pod:	$60/game
Softball- four fields per pod:	$50/game
Practices	$35/hour
Lights	$15/game

North and South Complex

Baseball/Softball Tournament Fee	$50 per game
Baseball/Softball Practice Fee	$30 per practice
Sand Volleyball	$15 per hour
Soccer Practice	$25 per hour

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

Formatted: Table Paragraph, Line spacing: Exactly 13.4 pt

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Resolution Accepting Public Improvements in Heritage Town Center Phase 2

BACKGROUND:
The public improvements for water main and sanitary sewer identified within the site plan have been completed and in a condition to be accepted by the City and the City engineer has recommended such acceptance.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S): N/A

STAFF RECOMMENDATION:
Staff recommends approval of the Resolution Accepting Public Improvements in Heritage Town Center Phase 2.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

Prepared by Alex Pfaltzgraff, City of Grimes 101 NE Harvey Street, Grimes, IA 50111 Phone: 515-986-3036

RESOLUTION NO. 06-2823

RESOLUTION ACCEPTING PUBLIC IMPROVEMENTS IN HERITAGE TOWN CENTER PHASE 2

WHEREAS, approval of the final plat for Heritage Town Center (the "Plat") has previously been given by resolution of the Grimes City Council; and

WHEREAS, at the time of approval of the final plat, certain public improvements within the Plat were not completed; and

WHEREAS, the approved site plan identified certain public improvements to be constructed; and

WHEREAS, the public improvements are now completed and in a condition to be formally accepted by the City, and the City engineer has recommended such acceptance.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL, CITY OF GRIMES, IOWA:

1. That the public improvements in Heritage Town Center Phase 2, including water mains and sanitary sewer, are hereby accepted and incorporated into the respective water main and sanitary sewer system in the City of Grimes.

This resolution shall be filed of record with the Polk County, Iowa Recorder.

PASSED AND APPROVED this 27th day of June 2023.

CITY OF GRIMES, IOWA

By: _____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

CITY OF GRIMES

Development Services
410 SE Main Street, Suite 102
Grimes, IA 50111
Phone (515) 986-4050
Fax (515) 986-4480
www.grimesiowa.gov

CERTIFICATE OF COMPLETION

Heritage Town Center Phase 2

Grimes, Iowa

June 27, 2023

This is to certify that the construction improvements on ***Heritage Town Center Phase 2*** project have been completed in substantial compliance with the plans and specifications for the project. I hereby recommend acceptance of the project.

Respectfully submitted,

Tony Hanson
Senior Engineering Technician

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: Resolution Approving Field Rental Amendment

BACKGROUND: The field rental agreement with Sporting Iowa that was assigned to the City by Hope Development and Realty contemplated that Sporting Iowa would work to sell sponsorships at the GrimesPlex and in turn get 50% of the revenue collected, it further contemplated a security deposit of $100,000.

Given the cost of building concessions, restrooms, and a maintenance facility ($4.5MM) and the City's decision to enter into an agreement with Choice Creative Solutions to sell sponsorship opportunities it became necessary to amend the field rental agreement. The amendment reduces the security deposit to 1 month's rent or $50,000 and specifies that the first $500,000 of annual sponsorship revenue, net of the cost of sales, will be allocated to the City to pay for the cost of construction. The next $150,000 annually will be allocated to Sporting Iowa and any sponsorship revenue in excess of $650,000 annually will be allocated between the City and Sporting Iowa evenly or 50/50.

BUDGETARY CONSIDERATIONS: The amendment provides clarity about who is selling sponsorships and gets both parties what they modeled in in their financial projections.

STRATEGIC PLANNING:
Prioritized: No

*High-Performing Organization/Exception Professional Services_____
*Great Place to Live/Expanded Quality of Life Amenities __X___
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Staff recommends that the City Council approves the resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Jake Anderson, City Administrator
janderson@grimesiowa.gov
515-986-3036

Prepared by: Jake Anderson, City Administrator
Return to: Jake Anderson, City Administrator

RESOLUTION NO. 06-2923

A RESOLUTION OF THE GRIMES CITY COUNCIL APPROVING AN AMENDMENT TO A FIELD RENTAL AGREEMENT

WHEREAS, the City of Grimes (hereinafter the "City") had a Field Rental Agreement (the "Agreement") assigned to it by Hope Development and Realty, and;

WHEREAS, the Agreement is between the City and Mid-Iowa Soccer Academy, LLC doing business as Sporting Iowa (hereinafter "Sporting Iowa"), and;

WHEREAS, there are mutual benefits to be derived from amending the terms of the Agreement to provide clarity regarding the security deposit, and the sharing of sponsorship revenue between the City and Sporting Iowa, and;

WHEREAS, according to the amendment, the security deposit will be $50,000 or equivalent to 1 month's rent, and;

WHEREAS, the amendment further stipulates that the first $500,000 annually from sponsorship revenue shall be allocated to the City to pay for construction costs, the next $150,000 to Sporting Iowa, and any additional revenues thereafter will be split evenly (50/50) between the City and Sporting Iowa.

NOW, THEREFORE, BE IT RESOLVED by the Grimes City Council as follows:

1. The aforementioned amendment to the Field Rental Agreement between the City and Sporting Iowa is hereby approved.

2. The Mayor is authorized and directed to execute said amendment on behalf of the City.

3. This Resolution shall take effect immediately upon its passage and approval.

PASSED AND APPROVED this 27th day of June, 2023.

_____

Mayor Scott Mikkelsen

ATTEST:

_____

City Clerk Rochelle Williams

Amendment to Field Rental Agreement
Master Soccer Tenant/Preferred Soccer Partner

This AMENDMENT TO FIELD RENTAL AGREEMENT (this "Amended Agreement") is agreed to between Mid-Iowa Soccer Academy, LLC, an Iowa limited liability company, (d/b/a Sporting Iowa), whose address is 4685 Merle Hay Road, Suite 202, Des Moines, Iowa, 502322, ("Master Soccer Tenant" or "Preferred Soccer Partner") and the City of Grimes, an Iowa municipal corporation, whose address is 101 Harvey Street, Grimes, Iowa, 50111, ("Landlord") as an Amendment to the Field Rental Agreement ("Field Rental Agreement") made effective on November 17, 2020, and the Assignment of Field Rental Agreement that was effective on September 13, 2022. The terms of both previous agreements are incorporated by reference to this Amended Agreement.

NOW THEREFORE, in consideration of the mutual undertakings of the parties and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the parties to this Amended Agreement, the parties agree to the following:

I. Section 2(b) of the Field Rental Agreement is deleted and replaced with the following:

b) Security Deposit

i) Prior to the Commencement Date, Master Soccer Tenant shall deposit $50,000.00 (equivalent to one months' rent) as a security deposit ("Security Deposit"), and not as prepaid rent, with Landlord to be held by Landlord during the Term.

ii) The Security Deposit shall not earn interest. If any sum payable by Master Soccer Tenant to Landlord shall be overdue and unpaid, or if Landlord makes any payments on behalf of Master Soccer Tenant, or if Master Soccer Tenant fails to perform any of the terms of this Agreement, then Landlord, at its option and without prejudice to any other remedy that Landlord may have, may apply all or part of the Security Deposit to compensate Landlord for the payment of rent, or any loss or damage sustained by Landlord. Master Soccer Tenant shall restore the Security Deposit to the original sum deposited upon demand. Provided that Master Soccer Tenant shall have made all payments and performed all covenants and obligations of this Agreement, the Security Deposit shall be repaid to Master Soccer Tenant within thirty (30) days after the expiration of this Agreement or earlier termination of this Agreement.

II. Section 4 of the Field Rental Agreement is deleted and replace with the following:

4. Sponsorship and Advertising Revenue. The Landlord will be solely responsible for soliciting and collecting sponsorship and advertising revenue from private businesses, trade groups, governmental agencies, soccer related companies, donors, private organizations, or other entities or individuals that want sponsorship and advertising opportunities at the GrimesPlex. The parties agree that the first $500,000.00 collected for sponsorship and advertising activities each year must be paid to the Landlord to be utilized by the Landlord

to pay for the cost of facility construction. After payment of any expenses to any contractors responsible for raising sponsorship and advertising revenue, the parties further agree that the net sponsorship and advertising revenue collected annually in excess of $500,000.00 and up to $650,000 for a maximum total payment of $150,000 shall be paid to the Preferred Soccer Partner. All net sponsorship and advertising revenue collected annually in excess of $650,000 shall be paid to the Landlord and Preferred Soccer Partner based on the following percentage split:

Landlord 50%

Preferred Soccer Partner 50%

Landlord shall annually distribute to the Preferred Soccer Partner their share of the collected sponsorship and advertising payments within thirty days after the end of the Landlord's fiscal year, together with a distribution report and financial statement of sponsorship and advertising revenues generated and related expenses paid by the Landlord.

THE UNDERSIGN STATE THAT THEY HAVE READ THE PRECEDING AMENDMENT TO FIELD RENTAL AGREEMENT, UNDERSTAND ITS TERMS AND THE TERMS INCORPORATED BY REFERENCE FROM THE PREVIOUS AGREEMENTS, AND HAVE AUTHORITY TO SIGN THIS AMENDMENT FROM THEIR RESPECTIVE PARTIES.

Mid-Iowa Soccer Academy LLC (d/b/a Sporting Iowa)

By: Scott J Vander Hart

Printed name: Scott J Vander Hart

Title: Chairman

Date: June 17, 2023

CITY OF GRIMES

By: _____
Scott Mikkelsen, Mayor

Date: _____

Attest:

By: _____
Rochelle Williams, City Clerk

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date:06/27/2023

AGENDA ITEM: Resolution # 06-3023 Regarding Uncollectible Utility Debt

BACKGROUND: Staff has exhausted all efforts in collecting the attached past due balances due to customers being deceased, not providing social security numbers or the dollar amounts being under the $50.00 threshold for the Iowa Income Offset program.

BUDGETARY CONSIDERATIONS: Request to write off $516.37 in uncollectible utility debt for the customer accounts listed on Exhibit A.

STRATEGIC PLANNING:
Prioritized ____YES ____NO

*High-Performing Organization/Exception Professional Services
*Great Place to Live/Expanded Quality of Life Amenities X
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S): Council last approved write offs for uncollectible bad utility debt on January 25, 2022.

STAFF RECOMMENDATION: Staff recommends approval

RESPONSIBLE STAFF/CONTACT INFORMATION: Marcia Woodke
mwoodke@grimesiowa.gov

Prepared by: Kathy Steele
Return to: Marcia Woodke

CITY OF GRIMES

RESOLUTION NO. 06 -23

RESOLUTION REGARDING UNCOLLECTIBLE UTILITY DEBT

WHEREAS, the City of Grimes employs various methods to recover outstanding payments for utility accounts and has demonstrated a good track record of collections, and

WHEREAS, utility accounts with outstanding balances exceeding $50.00 may be submitted to the Iowa Income Offset Program for collection, provided the account holder's Social Security Number is available to Grimes, and

WHEREAS, utility accounts with overdue balances that do not have Social Security Numbers provided or fall below the $50.00 threshold are not eligible for collection through the Iowa Income Offset Program, and

WHEREAS, certain delinquent utility accounts have such minimal outstanding balances that the expenses incurred by Grimes in attempting to collect them would outweigh the potential gains, and

WHEREAS, multiple efforts have been made to collect the amounts owed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA THAT; the utility accounts listed in the attached spread sheet (Exhibit A) shall be deemed uncollectible and the City Finance Director is authorized to write off the uncollectible utility accounts in the amount of $516.37 and remove them from the City's accounting system as outstanding delinquent utility charges.

PASSED AND APPROVED this 27th day of June 2023.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

	Acct #	Amount	COMMENT	Move Out Date
1	107216803	$0.37	amount after offset	5/4/2021
2	111990003	$0.31	amount after offset	9/16/2020
3	112930004	$59.04	No SSN, exhausted all efforts	5/16/2022
4	114880002	$26.98	Too small for offset, exhausted all efforts	8/13/2020
5	116901202	$43.27	Too small for offset, exhausted all efforts	6/30/2020
6	116901605	$19.12	deceased	6/22/2022
7	125390001	$282.49	No SSN, exhausted all efforts	3/12/2020
8	133310607	$19.80	too small for offset, exhausted all efforts	10/8/2021
9	109086701	$0.40	Too small for offset, exhausted all efforts	2/21/2023
10	111240004	$0.20	amount after offset	5/9/2022
11	134430606	$0.42	amount after offset	8/12/2016
12	201040001	$63.49	No SSN, exhausted all efforts	9/6/2022
13	128270004	$0.48	amount after offset	5/27/2021
		$516.37		

CITY COUNCIL COMMUNICATION

Meeting Date: 06/27/23

AGENDA ITEM: Resolution Approving Personnel Transactions

BACKGROUND: The resolution authorizes names of individuals and their specific rates of pay to fill positions consistent with job descriptions and salary ranges previously approved and adopted by City Council, in the normal course of the HR Department's business.

BUDGETARY CONSIDERATIONS: These positions were included in the previously approved budget FY23.

STRATEGIC PLANNING:

Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services__**X**_____
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Staff recommends that the City Council approves the resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:

Erik Fisk, Human Resources Director
efisk@grimesiowa.gov
515-986-9636

Prepared by: Tammy Johnson, Human Resources Associate
Return to: Erik Fisk, Human Resources Director

RESOLUTION NO. 06-3123 APPROVING PERSONNEL TRANSACTIONS

WHEREAS, the City Administrator recommends the following additions and/or amendments to the payroll.

Section 1. Pursuant to duly authorized job description and approved salary range by the City Council, Jack McCollom and Andrew Sauer were hired as Seven Month Maintenance Workers in the Parks and Recreation Department at the rate of $20.00/hour.

Section 2. Pursuant to job descriptions and pay rates previously authorized by the City Council, the following part time employees have been hired by the Departments, and at the rates identified below:

Public Works

Eli Followwill	PW Seasonal	$16.00
Jacob Adams	PW Seasonal	$16.00
Tanner Wheeler	PW Seasonal	$16.00
Charlie Adams	PW Seasonal	$15.50
Kendal Bickford	PW Seasonal	$15.50
Brandon Meyeraan	PW Seasonal	$15.50
Traeton Wheeler	PW Seasonal	$15.50

Parks & Recreation

Alexandra Hofbauer	Program Asst.	$9.50
Mesa Worley	Program Supv.	$11.50
Jada Hennessy	Program Supv.	$11.50
Alyssa VanDerMolen	Program Supv.	$11.50
Addie Lego	Program Asst.	$9.00

Sophia Bauman	Program Asst.	$9.00
Alex Pries	Program Asst.	$9.00
Callie Weible	Program Asst.	$8.50
Paige Harvey	Program Asst.	$8.50
Traeton Wheeler	Parks Seasonal	$16.50

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Grimes, Iowa, that the aforementioned personnel transactions recommended by the City Administrator are hereby approved.

PASSED AND APPROVED this 27th day of June 2023.

_____

Mayor Scott Mikkelsen

ATTEST:

_____

Rochelle Williams, City Clerk

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date:06/27/2023

AGENDA ITEM: Resolution #06-3223 Approving Fiscal Year 2022-2023 End of Year Transfers

BACKGROUND: Council approved the FY 2022-2023 budget, which did include transfers between funds. This resolution addresses the FY23 End of Year transfers to the equipment replacement fund and capital projects. Staff will use cash to support capital projects, helping to reduce the need to borrow additional funds. The remaining dollars were budgeted for equipment not yet received, projects and expenses that are under budget, and additional revenue received for interest.

BUDGETARY CONSIDERATIONS: Total transfer amount $3,872,160

STRATEGIC PLANNING:
Prioritized YES X NO

*High-Performing Organization/Exception Professional Services
*Great Place to Live/Expanded Quality of Life Amenities X
*Dynamic Town/Strong Sense of Community
*More Beautiful/Vibrant Community

BOARD/COMMISSION ACTION(S): Council approved the FY2022-2023 budget on March 22, 2022, the first ½ year transfers on October 25, 2022, and Spring transfers on May 23, 2023.

STAFF RECOMMENDATION: Staff recommends approval.

RESPONSIBLE STAFF/CONTACT INFORMATION: Marcia Woodke
mwoodke@grimesiowa.gov

Prepared by: Marcia Woodke
Return to: Marcia Woodke

CITY OF GRIMES

RESOLUTION # 06- 3223

Resolution Approving Fiscal Year 2022-2023 End of Year Transfers

WHEREAS, The City Council did approve the fiscal year 2022-2023 budget; and

WHEREAS, the fiscal year 2022-2023 budget did include transfers between funds; and

WHEREAS, Council has approved using cash to support capital projects to reduce borrowing; and

WHEREAS, the Finance Director recommends the following fiscal year 2022-2023 end of year transfers;

NOW THEREFORE, **BE IT HEREBY RESOLVED**, by the City Council of the City of Grimes, Iowa, dated June 27, 2023, that:

The Finance Director is directed to transfer the items on the attached transfer list.

Passed and approved this 27th day of June, 2023.

_____ _____

Scott Mikkelsen, Mayor Date

Attest:

_____ _____

Rochelle Williams, City Clerk Date

From/Out	Exhibit A EOY Transfers FY23 To/In	Amount	Amount	
001-910-6910		$ 170,876.00		Streets to Equipment Replacement Program (ERP)
	399-910-4830		$ 170,876.00	ERP from Streets
110-910-6910		$ 84,034.00		Road Use Tax Fund to Equipment Replacement Program
	399-910-4830		$ 84,034.00	ERP from RUT
110-910-6910		$ 395,320.00		Road Use Tax Fund to Equipment Replacement Program
	399-910-4830		$ 395,320.00	ERP from RUT
740-910-6910		$ 179,509.00		Storm Water Fund to Equipment Replacement Program
	399-910-4830		$ 179,509.00	ERP from Storm Water
600-910-6910		$ 72,900.00		Water Fund to Equipment Replacement Program
	399-910-4830		$ 72,900.00	ERP from Water Fund
610-910-6910		$ 188,945.00		Sewer Fund to Equipment Replacement Program
	399-910-4830		$ 188,945.00	ERP from Sewer Fund
600-910-6910		$ 53,694.00		Water to Equipment Replacement Program-Flexnet
	399-910-4830		$ 53,694.00	ERP from Water Fund
332-910-6910		$ 336,882.00		Capital Projects (PW equipment) to Equipment Replacement Program
	399-910-4830		$ 336,882.00	ERP from CIP
001-910-6910		$ 140,000.00		Development Services to Equipment Replacement Program
	399-910-4830		$ 140,000.00	ERP from Development Services
001-910-6910		$ 1,100,000.00		General Fund to Library project
	350-910-4830		$ 1,100,000.00	Library project from General Fund
001-910-6910		$ 1,100,000.00		General Fund to Equipment Replacement Program
	399-910-4830		$ 1,100,000.00	ERP from General Fund
001-910-6910		$ 50,000.00		Fire/Amb to Equipment Replacement
	399-910-4830		$ 50,000.00	ERP from Fire/Amb
TOTAL EOY FY23 TRANSFERS		$ 3,872,160.00	$ 3,872,160.00	

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/23

AGENDA ITEM: S James St. and SE 11th St. Improvements – Overhead Electric Conversion to Underground Proposal – MidAmerican Energy Company.

BACKGROUND: The action that is in front of the council is to approve a resolution authorizing the Mayor to sign a proposal from MidAmerican Energy for conversion of existing overhead electric facilities to underground along S James St. from 2nd St. to the proposed intersection with 11th St. The amount of the proposal is $561,000.00. Once approved by the City of Grimes, the work would be scheduled by MidAmerican Energy and coordinated with the S James Street and SE 11th Street Improvements project.

BUDGETARY CONSIDERATIONS: This proposal is $561,000.00, which will be funded from the CIP line item for the S James St. and SE 11th St. Improvements project.

STRATEGIC PLANNING:
Prioritized __X__YES _____NO

*High-Performing Organization/Exception Professional Services____**X**___
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S): None

STAFF RECOMMENDATION: The staff recommends that the City Council approves the resolution authorizing the Mayor to sign the proposal from MidAmerican Energy Company for the overhead electric conversion to underground along S James St.

RESPONSIBLE STAFF/CONTACT INFORMATION
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Matt Ahrens, City Engineer
Return to: Matt Ahrens, City Engineer

RESOLUTION 06-3323

A RESOLUTION ACCEPTING A PROPOSAL FROM MIDAMERICAN ENERGY COMPANY IN THE AMOUNT OF $561,000.00 FOR THE RELOCATION OF OVERHEAD ELECTRIC FACILITIES TO UNDERGROUND ALONG S. JAMES ST. FROM 2ND ST. TO 11TH ST.

WHEREAS, the City of Grimes is currently preparing to bid a project to connect SE 11th Street to S James Street and widen S James Street north to SE 2nd Street in the City of Grimes, and;

WHEREAS, the City of Grimes desires to convert the overhead electric facilities to underground electric facilities along S James Street from 2nd Street to the proposed intersection with 11th Street, and;

WHEREAS, the City of Grimes worked with the local electric utility, MidAmerican Energy Company, to develop a proposal in the amount of $561,000.00 for the conversion of the overhead electric facilities to underground.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa, that the Proposal from MidAmerican Energy Company in the amount of $561,000.00 be accepted for the conversion of the overhead electric facilities to underground and the Mayor be authorized to sign the Proposal.

DATED this 27th day of June 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

MidAmerican Energy Company
PO Box 657
Des Moines, IA 50306

May 2nd, 2023

City of Grimes
Attention: Matt Ahrens, P.E.
mahrens@grimesiowa.gov

Dear City of Grimes:

Reference: Relocation of overhead electric facilities to underground along S. James from 2nd St. to 11th St. Street in Grimes, IA. WMIS: 2992450

In response to your request, MidAmerican Energy Company has reviewed the above project and your request for relocation of our overhead electric system. To facilitate your request for conversion of these overhead distribution facilities to an underground system, we have prepared a proposal for an estimated total of **$561,000.00** to the City that would remove the overhead facilities and install them underground. This estimated cost is dependent on City grading work being completed ahead of the electric relocation or facilities placed in an area of final grade. Since the estimated cost of construction is over $100,000, the City is required by tariff to pay actual cost upon completion of the work, which could result in an additional charge or a refund to the City.

This proposal provides the terms and conditions for relocation of our electric distribution facilities only. If adjustments to streetlight facilities are required, the terms and conditions for those projects will be included on a separate proposal.

This proposal is valid for 90 days and assumes MidAmerican will be allowed to commence construction within 12 months of the proposal date.

MidAmerican proposes to:

1. Remove overhead distribution facilities as shown on the attached drawings.
2. Furnish and install underground cable, switchgears and other pad mounted equipment as shown.
3. Provide a field representative to review plans with the contractor hired to install conduit system.

Under the terms and conditions of this proposal, the City Agrees to:

1. Notify, facilitate and compel all other utilities located on MidAmerican Energy company's poles to relocate to underground.

2. City shall grade the equipment locations and the underground primary electric route for cable and conduit to within four inches of final grade and clear the route of construction materials, obstructions, and ECT. This grading and clearing shall be done as required to facilitate MidAmerican's schedule for cable installation with no unreasonable delays. In the event the City is unable to provide grade preparation according to these specifications or cannot clear any known obstructions in the proposed facility route, the City shall reimburse MidAmerican for all incremental costs incurred by MidAmerican or its contractors resulting therefrom.

3. The City shall furnish, stake and maintain easements for the duration of the project for all MidAmerican Energy pad mounted electrical equipment as shown on drawings

4. The City shall perform all site restoration necessitated by installation of underground facilities.

5. The City shall stake elevations and Right of Way along the underground cable path and maintain staking for the duration of project.

6. This proposal assumes that MidAmerican Energy will not be required to perform any temporary relocations of the overhead system, and can leave it in place and operable until the completion of the installation of the new underground facilities. Any incremental costs incurred by MidAmerican for such temporary modifications shall be paid by the City.

7. The City shall pay all costs incurred by MidAmerican Energy resulting from design changes or field changes made by the City that deviate from the plans provided by the City for preparation of this proposal.

If this proposal is satisfactory, please sign and return one copy of this letter to me. Payment may be withheld until completion of the project and will be billed to the actual costs of the project. If you have any questions or concerns, please call me at (515) 252-6742.

Sincerely,

Scot Enger
Customer Project Coordinator

Accepted By: _____Date: _____

Requested Start Date: _____

Requested Completion Date: _____

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: SW 19th Street Water Transmission Main – Setting the dates for the bid letting and public hearing.

BACKGROUND: The action that is in front of the council is to set the bid letting and public hearing dates for the SW 19th Street Water Transmission Main. The proposed schedule for this project is to set the dates for the bid letting and public hearing on June 27th, hold the bid opening on July 18th @ 10:30 AM, hold the public hearing on July 25th @ 5:30 PM and award the project following the public hearing.

This project includes the installation of water main improvement along SW 19th Street from S James Street to SW County Line Road and along SW County Line Road from SW 19th Street to the Oak View Middle School. This project is scheduled to have an early start date of late July and a late start date of mid-September and reach substantial completion by July 1, 2024 with full completion by September 30, 2024. The project includes $1,000/calendar day liquidated damages for non-compliance with substantial completion provisions and $500/calendar day for non-compliance with full completion provisions.

BUDGETARY CONSIDERATIONS: The engineer's opinion of probable construction cost is estimated to be approximately $2,200,000. This project will be funded through a Drinking Water State Revolving Fund loan backed by water user rates.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services_X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff recommends that the City Council approves the resolution to set the bid letting date of July 18th @ 10:30 AM and public hearing date of July 25th @ 5:30 PM.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

Council Member _____ introduced the following Resolution entitled "RESOLUTION ORDERING CONSTRUCTION OF THE SW 19TH STREET WATER TRANSMISSION MAIN, AND FIXING A DATE FOR HEARING THEREON AND TAKING OF BIDS THEREFOR," and moved that the same be adopted. Council Member _____ seconded the motion to adopt. The roll was called, and the vote was:

AYES: _____

NAYS: _____

Whereupon, the Mayor declared the following Resolution duly adopted:

RESOLUTION 06-3423

RESOLUTION ORDERING CONSTRUCTION OF THE SW 19TH STREET WATER TRANSMISSION MAIN, AND FIXING A DATE FOR HEARING THEREON AND TAKING OF BIDS THEREFOR

WHEREAS, it is deemed advisable and necessary to construct certain public improvements described in general as the SW 19th Street Water Transmission Main; and

WHEREAS, the City has caused to be prepared plans, specifications and form of contract, together with estimate of cost, which are now on file in the office of the City Clerk for public inspection, for the construction of the public improvements; and

WHEREAS, the plans, specifications and form of contract are deemed suitable for the making of the public improvements; and

WHEREAS, before the plans, specifications, form of contract and estimate of cost may be adopted, and a contract for the construction of the public improvements is entered into, it is necessary, pursuant to Chapter 26, Code of Iowa, to hold a public hearing and to advertise for bids:

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, STATE OF IOWA:

Section 1. That it is hereby determined that it is necessary and advisable to construct certain public improvements described in general as the SW 19th Street Water Transmission Main, in the manner set forth in the plans and specifications and form of contract, above referred to, the cost thereof to be paid in accordance with the provisions as set out in the posted Notice to Bidders and published Notice of Public Hearing; the public improvements being more generally described as follows:

The SW 19th Street Water Transmission Main project includes the construction of a new 24" diameter water transmission main from the intersection of SW 19th Street and S. James Street west to the intersection of SW 19th Street and SW County Line Road, and a new 16" diameter water transmission main from the intersection of SW 19th Street and SW County Line Road approximately 1,600 feet north to an existing 16" diameter water main located near the Dallas-

Center Grimes Oak View school. The project specifically consists of furnishing all labor, equipment, and materials for the above referenced project, consisting of:

1. Installation of approximately 5,430 linear feet of new 24" diameter water main, including approximately 100 linear feet of new 24" diameter water main in a single steel casing under SW County Line Road;
2. Installation of approximately 1,350 linear feet of new 16" diameter water main;
3. Installation of approximately 30 linear feet of new 12" diameter water main;
4. Fittings, hydrants, valves, and other appurtenances required for water main construction;
5. Pavement removal and full-depth PCC pavement patches;
6. Temporary traffic control;
7. Erosion control;
8. Site dewatering as required for construction, and;
9. All other work as required by the contract documents

Section 2. That the amount of the bid security to accompany each bid shall be in an amount which shall conform to the provisions of the Notice to Bidders approved as a part of the specifications.

BE IT FURTHER RESOLVED, that the City Clerk be and is hereby directed to post a Notice to Bidders once in a relevant contractor plan room service with statewide circulation and a relevant construction lead generating service with statewide circulation and on an internet site sponsored by either the City or a statewide association that represents the City. Posting shall be not less than thirteen clear days nor more than forty-five days prior to July 18th, 2023, which is hereby fixed as the date for receiving bids. The bids are to be filed prior to 10:30 A.M., on such date.

The City Council hereby delegates to the City Administrator or his designee the duty of receiving, opening and tabulating bids for construction of the Project. Bids shall be received and opened as provided in the public notice and the results of the bids shall be considered at the meeting of this Council on July 25th, 2023, at 5:30 P.M.

BE IT FURTHER RESOLVED, that the City Clerk be and is hereby directed to publish Notice of Hearing once in a legal newspaper, printed wholly in the English language, published at least once weekly and having general circulation in this City. Publication shall be not less than four clear days nor more than twenty days prior to the date hereinafter fixed as the date for a public hearing on the plans, specifications, form of contract and estimate of costs for the project, the hearing to be at 5:30 P.M. on July 25th, 2023.

PASSED AND APPROVED this 27th day of June 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING

SW 19TH STREET WATER TRANSMISSION MAIN

CITY OF GRIMES, IOWA PUBLIC IMPROVEMENT PROJECT

Public Hearing on Proposed Contract Documents and Estimated Costs for Improvement

Notice is hereby given that a public hearing will be held by the **City of Grimes, Iowa** on the proposed Contract Documents (plans, specifications, and form of contract), and estimated total cost for the **SW 19th Street Water Transmission Main** project at its meeting at **5:30 P.M. on the 25th day of July, 2023,** in the City Council Chambers, Grimes Community Complex, 410 SE Main Street, Grimes, Iowa, 50111.

Time and Place for Filing Sealed Proposals

Sealed bids for the work comprising the improvements as stated below must be filed before **10:30 A.M.** according to the clock in the Grimes City Hall on the **18th day of July, 2023,** at the reception desk in Grimes City Hall, 101 NE Harvey Street, Grimes, Iowa, 50111. Bids received after the deadline for submission of bids as stated herein shall not be considered and shall be returned to the late bidder unopened.

Time and Place Sealed Proposals Will be Opened and Considered

Sealed proposals will be opened by the City Clerk and bids tabulated at **10:30 A.M. on the 18th day of July, 2023,** in said Grimes City Hall, 101 NE Harvey Street. Bids will be considered by the City of Grimes City Council at its meeting at **5:30 P.M. on the 25th day of July, 2023,** in said City Council Chambers, 410 SE Main Street. The City Council may award a Contract at said meeting, or at such other time and place as shall then be announced.

Commencement of Work

Work on the improvement shall be commenced any time after a written Notice to Proceed is issued, **no earlier than July 26, 2023, and no later than September 15, 2023,** and shall be completed as stated below. The Notice to Proceed will be issued after the preconstruction conference, which is expected to occur in August 2023.

Contract Documents

A copy of said plans, specifications, and form of contract, and estimated total cost is now on file in the office of the City Clerk and may be examined at Grimes City Hall, 101 NE Harvey Street, Grimes, Iowa, 50111.

An electronic copy of the Contract Documents is available at www.grimesiowa.gov under the "Business" section by selecting "Bids & RFPs" then "Project Bids" for no cost. Project information, estimated total cost and plan holder information is available for no cost at the same link. Downloads of the Contract Documents require the user to register for a free membership at www.QuestCDN.com.

Paper copies of the Contract Documents are available from McClure Engineering Company, 1360 NW 121st Street, Clive, Iowa 50325, for a fee of Fifty Dollars ($50.00) per set. This fee is refundable, provided the following conditions are met: (1) The Contract Documents are returned complete and in a reusable condition, and (2) they are returned within fourteen (14) calendar days after the award of the project. You must call McClure Engineering Company at 515.964.1229 in advance to reserve a paper copy.

Preference of Products and Labor

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed and accurate Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.

General Nature of the Public Improvement

SW 19TH STREET WATER TRANSMISSION MAIN

The SW 19th Street Water Transmission Main project includes the construction of a new 24" diameter water transmission main from the intersection of SW 19th Street and S. James Street west to the intersection of SW 19th Street and SW County Line Road, and a new 16" diameter water transmission main from the intersection of SW 19th Street and SW County Line Road approximately 1,600 feet north to an existing 16" diameter water main located near the Dallas-Center Grimes Oak View school. The project specifically consists of furnishing all labor, equipment, and materials for the above referenced project, consisting of:

1. **Installation of approximately 5,430 linear feet of new 24" diameter water main, including approximately 100 linear feet of new 24" diameter water main in a single steel casing under SW County Line Road;**
2. **Installation of approximately 1,350 linear feet of new 16" diameter water main;**
3. **Installation of approximately 30 linear feet of new 12" diameter water main;**
4. **Fittings, hydrants, valves, and other appurtenances required for water main construction;**
5. **Pavement removal and full-depth PCC pavement patches;**
6. **Temporary traffic control;**
7. **Erosion control;**
8. **Site dewatering as required for construction, and;**
9. **All other work as required by the contract documents.**

Bid Security

Each Bidder shall accompany its bid with bid security as defined in Iowa Code Section 26.8, as security that the successful Bidder will enter into a Contract for the work bid upon and will furnish after the award of Contract a corporate Surety Bond, in a form acceptable to the City of Grimes, for the faithful performance of the Contract, in an amount equal to one hundred percent (100%) of the amount of the Contract. The Bidder's security shall be in the amount fixed in the Instructions to Bidders and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a Bid Bond on the form provided in the Contract Documents with corporate Surety satisfactory to the City of Grimes. The bid shall contain no condition except as provided in the specifications.

The City of Grimes reserves the right to defer acceptance of any bid for a period of sixty (60) calendar days after receipt of bids and no bid may be withdrawn during this period.

Performance, Payment, and Maintenance Bond

Each successful Bidder will be required to furnish a corporate Surety Bond in an amount equal to one hundred percent (100%) of its Contract price. Said Bond shall be issued by a responsible Surety approved by the City of Grimes and shall guarantee the faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all material and labor, and protect and save harmless the City of Grimes from claims and damages of any kind caused by the operations of the Contract and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of **four (4)** years from and after acceptance of the Contract.

Title VI Compliance

The City of Grimes, Iowa, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Payment

Payments will be made on the basis of estimates prepared by the Contractor and approved by the Engineer, solely for the purpose of payment; approval by the Engineer, or the City Council, shall not be deemed as approval or acceptance of the workmanship or materials. The Contractor will be compensated for 95% of the work completed during a payment period, with the remaining 5% being retained in accordance with the Iowa Code. Regular payments approved by the Engineer will be made following the next scheduled City Council meeting. The retainage payment will be released following acceptance of the project by the City of Grimes and satisfaction of the retainage payment provisions and requirements stipulated in the Iowa Code.

Sales Tax Exemption

The City of Grimes will issue a sales tax exemption certificate to the Contractor for all material purchased for incorporation into the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.

Completion of Work

The Contractor shall substantially complete the overall project on or before **July 1, 2024.** Substantial completion for the overall project shall be defined as all utility, grading, and pavement construction completed, with the new streets, driveways, and sidewalks fully open to traffic, so the project is ready for continuous service use by the Owner. **Regular working hours will be Monday through Friday, 7:00 AM to 7:00 PM, excluding Owner's legal holidays.** Should the Contractor fail to substantially complete the work within this timeframe, liquidated damages of **One Thousand Dollars ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

The Contractor shall fully complete the overall project on or before **September 30, 2024**. Full completion for the overall project shall be defined as all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five-Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

The City of Grimes does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Grimes, Iowa.

Dated at Grimes, Iowa, this **27th day of June, 2023.**

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

Posted to the Iowa League of Cities and the Master Builders of Iowa websites the **30th day of June, 2023.**

Published in a newspaper with local circulation the **11th day of July, 2023.**

CITY OF GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/23

AGENDA ITEM: Highway 44 at County Line Road Temporary Traffic Signal – Project Acceptance

BACKGROUND: The actions that are in front of the council are to provide appropriate actions on any final change orders, final payments and retainage payments; receive and file the Certificate of Completion from the project engineer (Bolton and Menk, Inc.); and consider approval of a resolution officially accepting the project by the City of Grimes.

Van Maanen Electric, Inc. started this project in the Fall of 2021 and fully completed the project earlier this spring. There is a final change order and a retainage payment to be made 30 days following project acceptance.

BUDGETARY CONSIDERATIONS: This project's final construction contract amount is $57,838.12 which is $5,583.88 less than the original construction contract amount.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services **X**
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff recommends that the City Council approves the resolution accepting the project with Van Maanen Electric, Inc. in the final contract amount of $57,838.12.

RESPONSIBLE STAFF/CONTACT INFORMATION
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Matt Ahrens, City Engineer
Return to: Matt Ahrens, City Engineer

Council Member _____ introduced the following Resolution entitled "RESOLUTION ACCEPTING THE HIGHWAY 44 AT COUNTY LINE ROAD TEMPORARY TRAFFIC SIGNAL", and moved that the same be adopted. Council Member _____ seconded the motion to adopt. The roll was called and the vote was,

AYES: _____

NAYS: _____

Whereupon, the Mayor declared the following Resolution duly adopted:

RESOLUTION 06-3523

RESOLUTION ACCEPTING THE HIGHWAY 44 AT COUNTY LINE ROAD TEMPORARY TRAFFIC SIGNAL

WHEREAS, on the 22nd day of June 2021, the Mayor and Clerk of the City of Grimes, Iowa, entered into a construction contract with **Van Maanen Electric, Inc. of Newton, Iowa**, for the construction of certain public improvements generally described as the Highway 44 at County Line Road Temporary Traffic Signal; and

WHEREAS, the contractor has fully completed the construction of the public improvements in accordance with the terms and conditions of the contract and plans and specifications, as shown by the certificate of the Engineer filed with the Clerk on **June 27, 2023**:

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

Section 1. That the report of the Engineer be and the same is hereby approved and adopted, and the public improvements are hereby approved and accepted as having been fully completed in accordance with the plans, specifications and form of contract and the total final construction cost thereof is hereby determined to be **$57,838.12**, as shown in the report of the Engineer.

PASSED AND APPROVED this 27th day of June 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

CERTIFICATE OF COMPLETION

Highway 44 at County Line Road Temporary Traffic Signal

Grimes, Iowa

June 27, 2023

This is to certify that the construction improvements on the ***Highway 44 at County Line Road Temporary Traffic Signal*** project have been completed in substantial compliance with the plans and specifications for the project. The final contract amount is ***$57,838.12***. I hereby recommend acceptance of the project.

Respectfully submitted,

Justin Ernst, P.E.
Project Manager
Bolton & Menk, Inc.
Iowa License Number 23753

CITY OF
GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/23

AGENDA ITEM: Central Iowa Water Works Assistance and Aquifer Storage Reservoir Evaluation – McClure Engineering Company Professional Services Agreement.

BACKGROUND: The City of Grimes has identified the need for an engineering firm to provide assistance with reviewing the Aquifer Storage Reservoir (ASR) operation and evaluating the effluent water quality characteristics. The city also needs assistance with the review of Central Iowa Water Works (CIWW) documents, files, and proposals to develop recommendations, with consideration of source water capacity, finished water capacity, cost of construction for planned improvements, replacement value, book value of assets, and proposed rates.

The staff selected McClure Engineering Company because of their background in water treatment and distribution design. They have also worked on multiple water system projects for the City of Grimes, including the Water System Study. Their water system expertise has helped the city get through some challenging situations with water treatment and distribution over the past couple of years and staff feels very comfortable using them for this work.

BUDGETARY CONSIDERATIONS: The total fee proposed for the engineering services is a not to exceed amount of $50,000.00 based off hourly rates and fixed expenses. The funding source for this work will be from the water utility revenues.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services **X**
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff has reviewed this Professional Services Agreement and recommends approval by the City Council.

RESPONSIBLE STAFF/CONTACT INFORMATION
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

RESOLUTION TO ENTER INTO CONTRACT FOR PROFESSIONAL SERVICES

Grimes Resolution No.06-3623

WHEREAS, the City of Grimes (Grimes) desires to evaluate the Aquifer Storage Reservoir (ASR) operation and its effluent water quality characteristics and acquire assistance with review and recommendations relating to Central Iowa Water Works (CIWW) documents, files, and proposals.

WHEREAS, the engineering firm of McClure Engineering Company (Engineer), has substantial experience in water system infrastructure, and is qualified to provide an evaluation of the ASR and assist in the review of CIWW documents, files, and proposals and provide recommendations.

WHEREAS, Engineer has proposed the attached Standard Professional Services Agreement that has scope of work to be supplied by the Engineer and compensation to be paid by Grimes for Engineer's engineering services related to the ASR and CIWW;

NOW, THEREFORE, IT IS HEREBY RESOLVED by the City Council of the City of Grimes, Iowa, that the Mayor is authorized to execute the Standard Professional Services Agreement with the Engineer on behalf of the City of Grimes.

Passed by the City Council of the City of Grimes, Iowa, by of vote of ___to___ on the 27th day of June 2023, and approved by the Mayor on the 27th day of June, 2023.

_____

Scott Mikkelsen, Mayor

Attested:

_____

Rochelle Williams, City Clerk

AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES

CENTRAL IOWA WATER WORKS (CIWW) ASSISTANCE AND ASR SYSTEM EVALUATION

This Agreement is made and entered into this 27 day of June, 2023, by and between City of Grimes, a municipal corporation, hereinafter referred to as "City," and McClure Engineering Company, party of the second part, hereinafter referred to as "Consultant" as follows:

THE CITY HEREBY AGREES TO RETAIN THE CONSULTANT FOR THE PROJECT AS DESCRIBED IN THIS AGREEMENT AND CONSULTANT AGREES TO PERFORM THE PROFESSIONAL SERVICES AND FURNISH THE NECESSARY DOCUMENTATION FOR THE PROJECT AS GENERALLY DESCRIBED IN THIS AGREEMENT.

1. SCOPE OF SERVICES

   Services provided under this Agreement shall be as further described in Attachment 1, Scope of Services.

2. SCHEDULE

   The schedule of the professional services to be performed shall conform to the Schedule set forth in Attachment 2. Any deviations from the Schedule shall be approved by the authorized City representative. The City agrees that the Consultant is not responsible for delays arising from a change in the scope of services, a change in the scale of the Project or delays resulting from causes not directly or indirectly related to the actions of the Consultant.

3. COMPENSATION

   A. In consideration of the professional services provided herein, the City agrees to pay the Consultant the following sum NOT-TO-EXCEED, excluding any authorized reimbursable expenses, pursuant to the Schedule of Fees set forth in Attachment 3.

      I. Basic Services of the Consultant

a.	CIWW Assistance	$25,000.00
b.	ASR Evaluation	$15,000.00
c.	Project Administration	$10,000.00
	Total	$50,000.00

   B. The Consultant shall invoice the City monthly for services, any reimbursable expenses and any approved amendments to this Agreement, based upon services actually completed at the time of the invoice. Final payment shall be due and payable within 30 days of the City's acceptance of Consultant's submission of final deliverables in accordance with the Scope of Services.

C. In consideration of the compensation paid to the Consultant, the Consultant agrees to perform all professional services to the satisfaction of the City by performing the professional services in a manner consistent with that degree of care and skill ordinarily exercised by members of Consultant's profession currently practicing under similar circumstances. If the performance of this Agreement involves the services of others or the furnishing of equipment, supplies, or materials, the Consultant agrees to pay for the same in full.

4. INSURANCE

A. Consultant understands and agrees that Consultant shall have no right of coverage under any and all existing or future City comprehensive, self or personal injury policies. Consultant shall provide insurance coverage for and on behalf of Consultant that will sufficiently protect Consultant or Consultant's representative(s) in connection with the professional services which are to be provided by Consultant pursuant to this Agreement, including protection from claims for bodily injury, death, property damage, and lost income. Consultant shall provide worker's compensation insurance coverage for Consultant and all Consultant's personnel. Consultant shall file applicable insurance certificates with the City, and shall also provide evidence of the following additional coverage.

B. The Consultant shall provide evidence of comprehensive general liability coverage and contractual liability insurance by an insurance company authorized to do business in the State of Iowa in the limits of at least $1,000,000 each personal injury accident and/or death; $1,000,000 general aggregate personal injury and/or death; and $1,000,000 for each property damage accident. The evidence shall designate the City as an additional insured, and that it cannot be canceled or materially altered without giving the City at least thirty (30) days written notice by registered mail, return receipt requested.

C. The Consultant shall also provide evidence of automobile liability coverage in the limits of at least $1,000,000 bodily injury and property damage combined. The evidence shall designate the City as an additional insured, and that it cannot be cancelled or materially altered without giving the City at least thirty (30) days written notice by registered mail, return receipt requested.

D. The Consultant shall provide evidence of professional liability insurance, by an insurance company authorized to do business in the State of Iowa, in the limit of $1,000,000 for claims arising out of the professional liability of the Consultant. The insurance coverage shall not be reduced below these limits and the Consultant will notify the City of any erosion of the Policy Limits due to claims made. The coverage shall be maintained for a period of three (3) years after completion of the project. Consultant shall provide City written notice within five (5) days by registered mail, return receipt requested of the cancellation or material alteration of the professional liability policy.

E. AGENTS AND SUBCONTRACTORS: The Consultant shall require that any of its consultants, agents and subcontractors who perform work and/or services pursuant to the provisions of this Agreement to meet the same insurance requirements as are required of the Consultant.

F. ADDITIONAL INSURED & GOVERNMENTAL IMMUNITY: Except for Workers Compensation and Professional Liability, the policies providing the coverages specified in B and C above shall include the City of Grimes as Additional Insured and Governmental Immunities Endorsements.

G. Failure of Consultant to maintain any of the insurance coverages set forth above shall constitute a material breach of this Agreement.

5. NOTICE

Any notice to the parties required under this agreement shall be in writing, delivered to the person designated below, by United States mail or in hand delivery, at the indicated address unless otherwise designated in writing.

FOR THE CITY:	FOR THE CONSULTANT:
Name: City of Grimes	Name: McClure Engineering Company
Attn: Matt Ahrens, P.E.	Attn: Gary Brons
Title: City Engineer	Title: VP, Water
Address: 410 SE Main Street, #102	Address: 1360 NW 121st Street
City, State: Grimes, IA 50111	City, State: Clive, IA 50325

6. GENERAL COMPLIANCE

In the conduct of the professional services contemplated hereunder, the Consultant shall comply with applicable state, federal, and local law, rules, and regulations and technical standards or specifications issued by the City. Consultant must qualify for and obtain any required licenses prior to commencement of work, including any professional licenses necessary to perform work within the State of Iowa.

7. STANDARD OF CARE

Services provided by the Consultant under this Agreement shall be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

8. INDEPENDENT CONTRACTOR

Consultant understands and agrees that the Consultant and Consultant's employees and representatives are not City employees. Consultant shall be solely responsible for payment of salaries, wages, payroll taxes, unemployment benefits, or any other form of compensation

or benefit to Consultant or Consultant's employees, representatives or other personnel performing the professional services specified herein, whether it be of a direct or indirect nature. Further, it is expressly understood and agreed that for such purposes neither Consultant nor Consultant's employees, representatives or other personnel shall be entitled to any City payroll, insurance, unemployment, worker's compensation, retirement, or any other benefits whatsoever.

9. NON-DISCRIMINATION

Consultant will not discriminate against any employee of applicant for employment because of race, color, sex, national origin, religion, age, handicap, or veteran status. Consultant will, where appropriate or required, take affirmative action to ensure that applicants are employed, and that employees are treated, during employment, without regard to their race, color, sex, national origin, religion, age, handicap, or veteran status. Consultant will cooperate with the City in using Consultant's best efforts to ensure that Disadvantaged Business Enterprises are afforded the maximum opportunity to compete for subcontracts of work under this Agreement.

10. HOLD HARMLESS

Consultant agrees, to the fullest extent permitted by law, to indemnify and hold harmless the City, its officers, agents, and employees (collectively, City) against all damages, liabilities, judgements or costs, including reasonable investigative fees, attorney's fees, and court costs, to the extent caused by the Consultant's negligent acts, errors or omissions in the performance of professional services under this Agreement and those of its subcontractors, or anyone for whom Consultant is legally liable.

11. ASSIGNMENT

Consultant shall not assign or otherwise transfer this Agreement or any right or obligations therein without first receiving prior written consent of the City.

12. APPROPRIATION OF FUNDS

The funds appropriated for this Agreement are equal to or exceed the compensation to be paid to Consultant. The City's continuing obligations under this Agreement may be subject to appropriation of funding by the City Council. In the event that sufficient funding is not appropriated in whole or in part for continued performance of the City's obligations under this Agreement, or if appropriated funding is not expended due to City spending limitations, the City may terminate this Agreement without further compensation to the Consultant. To the greatest extent allowed by law, the City shall compensate Consultant as provided in Section 18(B) of this Agreement.

13. AUTHORIZED AMENDMENTS TO AGREEMENT

A. The Consultant and the City acknowledge and agree that no amendment to this Agreement or other form, order or directive may be issued by the City which requires additional compensable work to be performed if such work causes the aggregate amount payable under the amendment, order or directive to exceed the amount appropriated for this Agreement as listed in Section 3, above, unless the Consultant has been given a written assurance by the City that lawful appropriation to cover the costs of the additional work has been made.

B. The Consultant and the City further acknowledge and agree that no amendment to this Agreement or other form, order or directive which requires additional compensable work to be performed under this Agreement shall be issued by the City unless funds are available to pay such additional costs, and the Consultant shall not be entitled to any additional compensation for any additional compensable work performed under this Agreement. The Consultant expressly waives any right to additional compensation, whether in law or equity, unless prior to commencing the additional work the Consultant was given a written amendment, order or directive describing the additional compensable work to be performed and setting forth the amount of compensation to be paid, such amendment, order or directive to be signed by the authorized City representative. It is the Consultant's sole responsibility to know, determine, and ascertain the authority of the City representative signing any amendment, directive or order.

14. OWNERSHIP OF CONSULTING DOCUMENTS

All sketches, tracings, plans, specifications, reports, and other data prepared under this Agreement shall become the property of the City; a reproducible set shall be delivered to the City at no additional cost to the City upon completion of the plans or termination of the services of the Consultant. All drawings and data shall be transmitted in a durable material, with electronic files provided when feasible to do so. The Consultant's liability for use of the sketches, tracings, plans, specifications, reports, and other data prepared under this Agreement shall be limited to the Project.

15. INTERPRETATION

No amendment or modification of this Agreement shall be valid unless expressed in writing and executed by the parties hereto in the same manner as the execution of the Agreement. This is a completely integrated Agreement and contains the entire agreement of the parties; any prior written or oral agreements shall be of no force or effect and shall not be binding upon either party. The laws of the State of Iowa shall govern and any judicial action under the terms of this Agreement shall be exclusively within the jurisdiction of the district court for Polk County, Iowa.

16. COMPLIANCE WITH FEDERAL LAW

To the extent any federal appropriation has or will be provided for the Project, or any federal requirement is imposed on the Project, Consultant agrees that Consultant will comply with all relevant laws, rules and regulations imposed on City and/or Consultant necessary for receipt of the federal appropriation. Consultant shall provide appropriate certification regarding Consultant's compliance.

17. SOLICITATION AND PERFORMANCE

A. The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working for the Consultant, to solicit or secure this Agreement, and that the Consultant has not paid or agreed to pay any company or person other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift or contingent fee.

B. The Consultant shall not engage the services of any person or persons in the employ of the City at the time of commencing such services without the written consent of the City.

18. SUSPENSION AND TERMINATION OF AGREEMENT

A. The right is reserved by the City to suspend this Agreement at any time. Such suspension may be affected by the City giving written notice to the Consultant, and shall be effective as of the date established in the suspension notice. Payment for Consultant's services shall be made by the City for services performed to the date established in the suspension notice. Should the City reinstate the work after notice of suspension, such reinstatement may be accomplished by thirty (30) days written notice within a period of six (6) months after such suspension, unless this period is extended by written consent of the Consultant. If the contract is not reinstated within six (6) months of suspension, it will be considered terminated, and the City will be under no obligation to make further payment under the Agreement.

B. Upon ten (10) days written notice to the Consultant, the City may terminate the Agreement, if in the City's sole judgement, it is found that reasons beyond the control of either the City or Consultant make it impossible or against the City's interest to complete the Agreement. In such case, the Consultant shall have no claims against the City except for the value of the work performed up to the date the Agreement is terminated.

C. The City may also terminate this Agreement at any time if it is found that the Consultant has violated any material term or condition of this Agreement or that Consultant has failed to maintain workers' compensation insurance or other insurance provided for in this Agreement. In the event of such default by the Consultant, the City may give ten (10) days written notice to the Consultant of the City's intent to terminate the Agreement. Consultant shall have ten (10) days from notification to remedy the conditions constituting the default.

D. In the event that this Agreement is terminated in accordance with paragraph C of this section, the City may take possession of any work and may complete any work by whatever means the City may select. The cost of completing said work shall be deducted from the balance which would have been due to the Consultant had the Agreement not been terminated and work completed in accordance with contract documents.

E. The Consultant may terminate this Agreement if it is found that the City has violated any material term or condition of this Agreement. In the event of such default by the City, the Consultant shall give ten (10) days written notice to the City of the Consultant's intent to terminate the Agreement. City shall have ten (10) days from notification to remedy the conditions constituting the default.

19. TAXES

The Consultant shall pay all sales and use taxes required to be paid to the State of Iowa on the work covered by this Agreement. If requested by the City, the Consultant shall execute and deliver and shall cause any sub-consultant or subcontractor to execute and deliver to the City certificates as required to permit the City to make application for refunds of said sales and use taxes as applicable. The City is a municipal corporation and not subject to state and local tax, use tax, or federal excise taxes.

20. SEVERABILITY

If any portion of this Agreement is held invalid or unenforceable by a court of competent jurisdiction, the remaining portions of this Agreement shall continue in full force and effect.

21. DISPUTE RESOLUTION

Should a dispute or conflict arise between the City and the Consultant during the design and construction of the Project, or following the completion of the Project, the City and the Consultant agree to submit the issues to formal non-binding mediation prior to exercising their right to commence litigation in a court of law. The parties shall each bear their own attorneys' fees, costs and expenses during mediation. The cost of the mediator shall be shared equally by the parties.

If a suit, action, arbitration or other legal proceeding is instituted in connection with any controversy arising out of this Agreement or to interpret or enforce any rights under this Agreement, the prevailing party shall be entitled to recover from the non-prevailing party court costs provided by Iowa law and interest at the legal rate. The City and Consultant agree that the jurisdiction and venue for any legal proceeding arising from this Agreement are the Iowa District Court for Polk County.

22. MISCELLANEOUS HEADINGS

Title to articles, paragraphs, and subparagraphs are for information purposes only and shall not be considered a substantive part of this Agreement.

23. FURTHER ASSURANCES

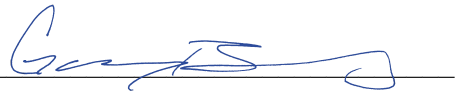
Each party hereby agrees to execute and deliver such additional instruments and documents and to take all such other action as the other party may reasonably request from time to time in order to affect the provisions and purposes of this Agreement.

24. COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall constitute an original document, no other counterpart needing to be produced, and all of which when taken together shall constitute the same instrument.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers or agents on the day and year first above written.

CONSULTANT

BY: 

Name: Gary Brons

Title: Vice President, Water

CITY OF GRIMES

BY: _____

Scott Mikkelsen, Mayor

ATTEST

_____

Name: _____

Title: _____

ATTACHMENT 1 - SCOPE OF SERVICES

I. Basic Services
Project Description

A. CIWW Assistance anticipated to include, but may not be limited to:
- Review of CIWW documents, files, and proposals provided to McClure by the City of Grimes
- Development of response documents including recommendations and summary memorandum based on review of CIWW documents
- Consideration of source water capacity, finished water capacity, cost of construction for planned improvements, replacement value, book value of assets, proposed rates to be included in response documents prepared by Engineer.
- Correspondence and meetings with Owner and others as applicable

B. ASR Evaluations anticipated to include, but may not be limited to:
- Review operation of existing ASR facility
- Evaluate effluent water quality characteristics
- Coordination of water quality sampling (laboratory sampling fees to be paid by **OWNER**)
- Assist Owner and Contract Operator during ASR operations
- Correspondence and meetings with Owner and others as applicable

C. Project Administration
The **CONSULTANT**'s staff will maintain coordination with **OWNER** staff, prepare and distribute progress reports, prepare meeting minutes, conduct general communication with the **OWNER**, and complete and submit invoicing.

II. Design Phase, Construction Phase & Additional Services
A. If applicable, future design phase, construction phase and/or additional services not previously identified as included in the Basic Services shall be negotiated via amendment to this contract between **CONSULTANT** and **OWNER**.

III. Timeline
A. General Schedule

The **CONSULTANT** shall perform services upon the estimated project schedule as detailed in Attachment 2 – Project Schedule.

B. Schedule Delays

The **CONSULTANT** shall not be responsible for delays in the schedule that are beyond the **CONSULTANT**'s control.

IV. Fee Schedule

This Agreement is Hourly and based on 2023 Billing Rates, as outlined in Attachment 3 – Schedule of Fees.

V. Additional Services Not Included in this Agreement

Should additional services be determined necessary for the successful completion of the proposed project, such additional services shall be included by amendment, with related adjustment for fees and project schedule as applicable.

The following services are excluded from the Basic Services, but may be performed by the **CONSULTANT** upon written amendment to this agreement.

1. Media correspondences and public outreach planning documents.
2. Boundary survey and/or retracement of existing lots to set missing monuments.
3. Preparation of Acquisition Plats and Legal Descriptions.
4. Right-of-Way and Easement staking.
5. Land purchase costs, closing costs associated with land acquisition, and costs associated with condemnation process.
6. Grant Administration.
7. Right-of-Way Services, including Individual Parcel Exhibits, Preparation of Parcel Files, Appraisals and Compensation Estimates, Appraisal Review, Right-of-Way Negotiations/Acquisitions, Closing, Condemnation Services.
8. Material testing services.
9. Any permits that are not specifically identified or addressed, including publication fees associated with permit applications, shall be considered above and beyond the scope of services as identified herein.
10. Project management and coordination tasks beyond the scheduled project completion period.
11. Other services not specifically outlined in this Agreement.

ATTACHMENT 2 - PROJECT SCHEDULE

The estimated time of completion of the proposed scope of services under this Agreement is as follows:

A – CIWW Assistance

Activity	Start	End
Complete initial review of documents, files and proposals and develop comments and questions.	June 2023	July 2023
Develop response documents and summary memorandum and submit to Owner for review.	July 2023	August 2023
Finalize response documents and present findings to Owner.	August 2023	September 2023

B – ASR Evaluation

Although schedule is not fully known at this time, anticipated schedule of evaluation and assistance to operations is not anticipated to exceed six (6) months from Owner approval.

ATTACHMENT 3 - SCHEDULE OF FEES

CONSULTANT'S CURRENT STANDARD HOURLY RATE SCHEDULE

EXHIBIT B

McCLURE ENGINEERING COMPANY
HOURLY RATE SCHEDULE
(Effective 1/1/2023 through 12/31/2023)

PERSONNEL	HOURLY RATE
Principal	$270 - $295
Project Manager	$185 - $230
Senior Professional	$185 - $285
Professional	$155 - $185
Junior Professional	$125 - $155
Senior Technician	$155 - $175
Technician	$115 - $135
Landscape Architect	$125 - $160
On-Site Representative	$115 - $155
Client/Project Liaison	$135 - $185
Administrative	$65 - $85
Public Relations	$115 - $150
3 Member Survey Crew	$280
2 Member Survey Crew	$210
1 Member Survey Crew	$135

EQUIPMENT	
3D Scanner per Scan	$30.00
UAV per Flight	$125.00
Sonar Boat	$125.00

MISCELLANEOUS EXPENSES	
Survey Vehicle Mileage	$0.75/Mile + $0.15 fuel surcharge
Automobile Mileage (at current IRS rate)	Current IRS Rate
Printing	Per Contract
Survey Supplies (Hubs, Lath, Paint, Nails, etc.)	Per Contract
Out-of-Pocket Expenses (Meals, Hotels, etc.)	Per Contract

REIMBURSABLE EXPENSES

1. All materials and supplies used in the performance of work on this project will be billed at cost.
2. Auto mileage will be reimbursed per the current standard mileage reimbursement established by the Internal Revenue Service.
3. Charges for outside services such as soils and materials testing, fiscal, legal will be billed at their invoice.
4. All other direct expenses will be invoiced at cost.

ADJUSTMENTS TO FEE SCHEDULE

1. Fee schedule effective January 1, 2023. Rates subject to change annually on January 1, or upon written notification of **CONSULTANT**.

OWNER'S RESPONSIBILITIES:

- Owner is responsible for accuracy and completeness of information provided to **CONSULTANT.**
- Owner will provide **CONSULTANT** with full information as to Owner's requirements for the project.
- Owner will provide timely response to questions in order to meet anticipated deadlines as outlined in this Agreement.
- Owner will pay **CONSULTANT** as follows:

Fee Summary:

The Owner will compensate **CONSULTANT** for the Scope of Service identified as included in this Agreement as follows:

Central Iowa Water Works (CIWW) Assistance and ASR System Evaluation - (Hourly Not to Exceed) $ 50,000.00

CITY OF
GRIMES
101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: Ground Storage Reservoir – Setting the dates for the bid letting and public hearing.

BACKGROUND: The action that is in front of the council is to set the bid letting and public hearing dates for the Ground Storage Reservoir. The proposed schedule for this project is to set the dates for the bid letting and public hearing on June 27th, hold the bid opening on July 18th @ 10:30 AM, hold the public hearing on July 25th @ 5:30 PM and award the project following the public hearing.

This project includes the construction of a new ground storage reservoir north of the existing Water Treatment Planet. This project is scheduled to have an early start date of late July and a late start date of mid-September and reach substantial completion by July 1, 2024 with full completion by September 30, 2024. The project includes $1,000/calendar day liquidated damages for non-compliance with substantial completion provisions and $500/calendar day for non-compliance with full completion provisions.

BUDGETARY CONSIDERATIONS: The engineer's opinion of probable construction cost is estimated to be approximately $3,400,000.00 for the base bid and $300,000 for bid alternate 1. This project will be funded through a Drinking Water State Revolving Fund loan backed by water user rates.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services__X__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: The staff recommends that the City Council approves the resolution to set the bid letting date of July 18th @ 10:30 AM and public hearing date of July 25th @ 5:30 PM.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Matt Ahrens, City Engineer
mahrens@grimesiowa.gov
515-986-4050

Prepared by: Aaron Jarosh, Staff Engineer
Return to: Matt Ahrens, City Engineer

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING

GROUND STORAGE RESERVOIR

CITY OF GRIMES, IOWA PUBLIC IMPROVEMENT PROJECT

Public Hearing on Proposed Contract Documents and Estimated Costs for Improvement

Notice is hereby given that a public hearing will be held by the **City of Grimes, Iowa** on the proposed Contract Documents (plans, specifications, and form of contract), and estimated total cost for the **Ground Storage Reservoir** project at its meeting at **5:30 P.M. on the 25th day of July, 2023,** in the City Council Chambers, Grimes Community Complex, 410 SE Main Street, Grimes, Iowa, 50111.

Time and Place for Filing Sealed Proposals

Sealed bids for the work comprising the improvements as stated below must be filed before **10:30 A.M.** according to the clock in the Grimes City Hall on the **18th day of July, 2023,** at the reception desk in Grimes City Hall, 101 NE Harvey Street, Grimes, Iowa, 50111. Bids received after the deadline for submission of bids as stated herein shall not be considered and shall be returned to the late bidder unopened.

Time and Place Sealed Proposals Will be Opened and Considered

Sealed proposals will be opened by the City Clerk and bids tabulated at **10:30 A.M. on the 18th day of July, 2023,** in said Grimes City Hall, 101 NE Harvey Street. Bids will be considered by the City of Grimes City Council at its meeting at **5:30 P.M. on the 25th day of July, 2023,** in said City Council Chambers, 410 SE Main Street. The City Council may award a Contract at said meeting, or at such other time and place as shall then be announced.

Commencement of Work

Work on the improvement shall be commenced any time after a written Notice to Proceed is issued, **no earlier than July 26, 2023, and no later than September 15, 2023,** and shall be completed as stated below. The Notice to Proceed will be issued after the preconstruction conference, which is expected to occur in August 2023.

Contract Documents

A copy of said plans, specifications, and form of contract, and estimated total cost is now on file in the office of the City Clerk and may be examined at Grimes City Hall, 101 NE Harvey Street, Grimes, Iowa, 50111.

An electronic copy of the Contract Documents is available at www.grimesiowa.gov under the "Business" section by selecting "Bids & RFPs" then "Project Bids" for no cost. Project information, estimated total cost and plan holder information is available for no cost at the same link. Downloads of the Contract Documents require the user to register for a free membership at www.QuestCDN.com.

Paper copies of the Contract Documents are available from McClure Engineering Company, 1360 NW 121st Street, Clive, Iowa 50325, for a fee of Fifty Dollars ($50.00) per set. This fee is refundable, provided the following conditions are met: (1) The Contract Documents are returned complete and in a reusable condition, and (2) they are returned within fourteen (14) calendar days after the award of the project. You must call McClure Engineering Company at 515.964.1229 in advance to reserve a paper copy.

Preference of Products and Labor

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed and accurate Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.

General Nature of the Public Improvement

GROUND STORAGE RESERVOIR

The Ground Storage Reservoir project includes the construction of one 2,000,000-gallon Wire-Wound, Prestressed Concrete Drinking Water Tank with electrical control and related site work. Installation of approximately 300 linear feet of 16-inch diameter and 520 linear feet of 24 inch diameter ductile iron pipe. 9,600 cubic yards of Excavation and 1,500 cubic yards of engineered fill. The new ground storage reservoir will be located on the north side of the existing water treatment plant. The project specifically consists of furnishing all labor, equipment, and materials for the above referenced project, consisting of:

1. **Construction of one 2,000,000-gallon Wire-Wound, Prestressed Concrete Drinking Water Tank**
2. **Installation of approximately 300 linear feet of 16-inch diameter and 520 linear feet of 24-inch diameter ductile iron pipe.**
3. **9,600 cubic yards of Excavation and 1,500 cubic yards of engineered fill.**
4. **Site work, site restoration, concrete paving, miscellaneous piping, and other miscellaneous work.**
5. **Electrical, Instrumentation and Controls.**
6. **All other work required by the Contract Documents.**

Bid Security

Each Bidder shall accompany its bid with bid security as defined in Iowa Code Section 26.8, as security that the successful Bidder will enter into a Contract for the work bid upon and will furnish after the award of Contract a corporate Surety Bond, in a form acceptable to the City of Grimes, for the faithful performance of the Contract, in an amount equal to one hundred percent (100%) of the amount of the Contract. The Bidder's security shall be in the amount fixed in the Instructions to Bidders and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a Bid Bond on the form provided in the Contract Documents with corporate Surety satisfactory to the City of Grimes. The bid shall contain no condition except as provided in the specifications.

The City of Grimes reserves the right to defer acceptance of any bid for a period of sixty (60) calendar days after receipt of bids and no bid may be withdrawn during this period.

Performance, Payment, and Maintenance Bond

Each successful Bidder will be required to furnish a corporate Surety Bond in an amount equal to one hundred percent (100%) of its Contract price. Said Bond shall be issued by a responsible Surety approved by the City of Grimes and shall guarantee the faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all material and labor, and protect and save harmless the City of Grimes from claims and damages of any kind caused by the operations of the Contract and shall also guarantee the maintenance of the improvement caused by failures in materials and construction for a period of **four (4)** years from and after acceptance of the Contract.

Title VI Compliance

The City of Grimes, Iowa, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Payment

Payments will be made on the basis of estimates prepared by the Contractor and approved by the Engineer, solely for the purpose of payment; approval by the Engineer, or the City Council, shall not be deemed as approval or acceptance of the workmanship or materials. The Contractor will be compensated for 95% of the work completed during a payment period, with the remaining 5% being retained in accordance with the Iowa Code. Regular payments approved by the Engineer will be made following the next scheduled City Council meeting. The retainage payment will be released following acceptance of the project by the City of Grimes and satisfaction of the retainage payment provisions and requirements stipulated in the Iowa Code.

Sales Tax Exemption

The City of Grimes will issue a sales tax exemption certificate to the Contractor for all material purchased for incorporation into the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.

Completion of Work

The Contractor shall substantially complete the overall project on or before **July 1, 2024.** Substantial completion for the overall project shall be defined as all utility, grading, pavement construction, and testing completed so the project is ready for continuous service use by the Owner. **Regular working hours will be Monday through Friday, 7:00 AM to 7:00 PM, excluding Owner's legal holidays.** Should the Contractor fail to substantially complete the work within this timeframe, liquidated damages of **One Thousand ($1,000.00) per calendar day** will be assessed for work not substantially completed within the designated Contract term(s).

The Contractor shall fully complete the overall project on or before **September 30, 2024**. Full completion for the overall project shall be defined as all improvements ready for final acceptance. Should the Contractor fail to fully complete the work within this timeframe, liquidated damages of **Five-Hundred Dollars ($500.00) per calendar day** will be assessed for work not fully completed within the designated Contract term(s).

The City of Grimes does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Grimes, Iowa.

Dated at Grimes, Iowa, this **27th day of June, 2023.**

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

Posted to the Iowa League of Cities and the Master Builders of Iowa websites the **30th day of June, 2023.**

Published in a newspaper with local circulation the **11th day of July, 2023.**

Council Member _____ introduced the following Resolution entitled "RESOLUTION ORDERING CONSTRUCTION OF THE GROUND STORAGE RESERVOIR AND FIXING A DATE FOR HEARING THEREON AND TAKING OF BIDS THEREFOR," and moved that the same be adopted. Council Member _____ seconded the motion to adopt. The roll was called, and the vote was:

AYES: _____

NAYS: _____

Whereupon, the Mayor declared the following Resolution duly adopted:

RESOLUTION 06-3723

RESOLUTION ORDERING CONSTRUCTION OF THE GROUND STORAGE RESERVOIR, AND FIXING A DATE FOR HEARING THEREON AND TAKING OF BIDS THEREFOR

WHEREAS, it is deemed advisable and necessary to construct certain public improvements described in general as the Ground Storage Reservoir; and

WHEREAS, the City has caused to be prepared plans, specifications and form of contract, together with estimate of cost, which are now on file in the office of the City Clerk for public inspection, for the construction of the public improvements; and

WHEREAS, the plans, specifications and form of contract are deemed suitable for the making of the public improvements; and

WHEREAS, before the plans, specifications, form of contract and estimate of cost may be adopted, and a contract for the construction of the public improvements is entered into, it is necessary, pursuant to Chapter 26, Code of Iowa, to hold a public hearing and to advertise for bids:

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, STATE OF IOWA:

Section 1. That it is hereby determined that it is necessary and advisable to construct certain public improvements described in general as the Ground Storage Reservoir, in the manner set forth in the plans and specifications and form of contract, above referred to, the cost thereof to be paid in accordance with the provisions as set out in the posted Notice to Bidders and published Notice of Public Hearing; the public improvements being more generally described as follows:

The Ground Storage Reservoir project includes the construction of one 2,000,000-gallon Wire-Wound, Prestressed Concrete Drinking Water Tank with electrical control and related site work. Installation of approximately 300 linear feet of 16-inch diameter and 520 linear feet of 24-inch diameter ductile iron pipe. 9,600 cubic yards of Excavation and 1,500 cubic yards of engineered

fill. The new ground storage reservoir will be located on the north side of the existing water treatment plant. The project specifically consists of furnishing all labor, equipment, and materials for the above referenced project, consisting of:

1. Construction of one 2,000,000-gallon Wire-Wound, Prestressed Concrete Drinking Water Tank
2. Installation of approximately 300 linear feet of 16-inch diameter and 520 linear feet of 24-inch diameter ductile iron pipe.
3. 9,600 cubic yards of Excavation and 1,500 cubic yards of engineered fill.
4. Site work, site restoration, concrete paving, miscellaneous piping, and other miscellaneous work.
5. Electrical, Instrumentation and Controls.
6. All other work required by the Contract Documents.

Section 2. That the amount of the bid security to accompany each bid shall be in an amount which shall conform to the provisions of the Notice to Bidders approved as a part of the specifications.

BE IT FURTHER RESOLVED, that the City Clerk be and is hereby directed to post a Notice to Bidders once in a relevant contractor plan room service with statewide circulation and a relevant construction lead generating service with statewide circulation and on an internet site sponsored by either the City or a statewide association that represents the City. Posting shall be not less than thirteen clear days nor more than forty-five days prior to July 18th, 2023, which is hereby fixed as the date for receiving bids. The bids are to be filed prior to 10:30 A.M., on such date.

The City Council hereby delegates to the City Administrator or his designee the duty of receiving, opening and tabulating bids for construction of the Project. Bids shall be received and opened as provided in the public notice and the results of the bids shall be considered at the meeting of this Council on July 25th, 2023, at 5:30 P.M.

BE IT FURTHER RESOLVED, that the City Clerk be and is hereby directed to publish Notice of Hearing once in a legal newspaper, printed wholly in the English language, published at least once weekly and having general circulation in this City. Publication shall be not less than four clear days nor more than twenty days prior to the date hereinafter fixed as the date for a public hearing on the plans, specifications, form of contract and estimate of costs for the project, the hearing to be at 5:30 P.M. on July 25th, 2023.

PASSED AND APPROVED this 27th day of June 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 27, 2023

AGENDA HEADING:
Resolution Approving Offer to Purchase and Agreement – NW County Line Road Water Main - Hope K Farms

SYNOPSIS:
With the development of the plans for Phase 1A Water System Improvements , it has been determined that certain easements will be necessary to construct the project.

An appraisal has been prepared for the easements, and an offer made to the property owner. The offer indicates that the City will pay a total of $35,000 for the permanent and temporary easements.

The owner has reviewed the offer and accepted it.

FISCAL IMPACT:

Total Cost = $35,000

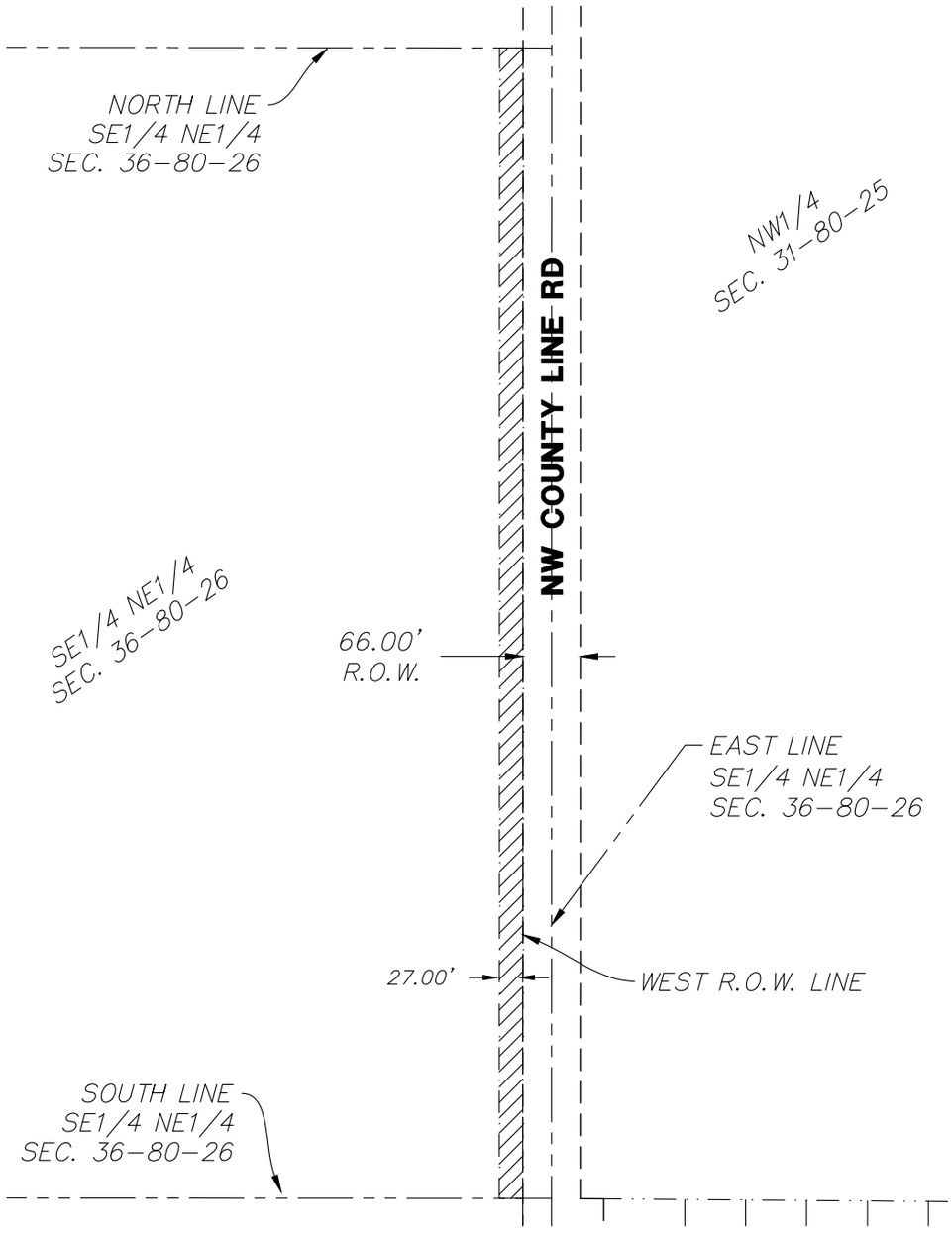
PREVIOUS COUNCIL ACTION(S):
N/A

BOARD/COMMISSION ACTION(S):
N/A

STAFF/COMMITTEE RECOMMENDATION:
Staff would recommend approval of the Resolution

EXHIBIT '02'

PERMANENT PUBLIC UTILITY EASEMENT



LEGAL DESCRIPTION:

A PERMANENT PUBLIC UTILITY EASEMENT BEING THE WEST 27.00 FEET OF THE EAST 60.00 FEET OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 80 NORTH, RANGE 26 WEST OF THE 5TH P.M., CITY OF GRIMES, DALLAS COUNTY, IOWA. SAID EASEMENT CONTAINS 35,697 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 100 200
(IN FEET)
1 inch =200 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: This sheet
DATE SURVEYED: 1/19/23

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COUNTY LINE ROAD
WATER MAIN

GRIMES/IA
DALLAS COUNTY
211186
02/02/2023

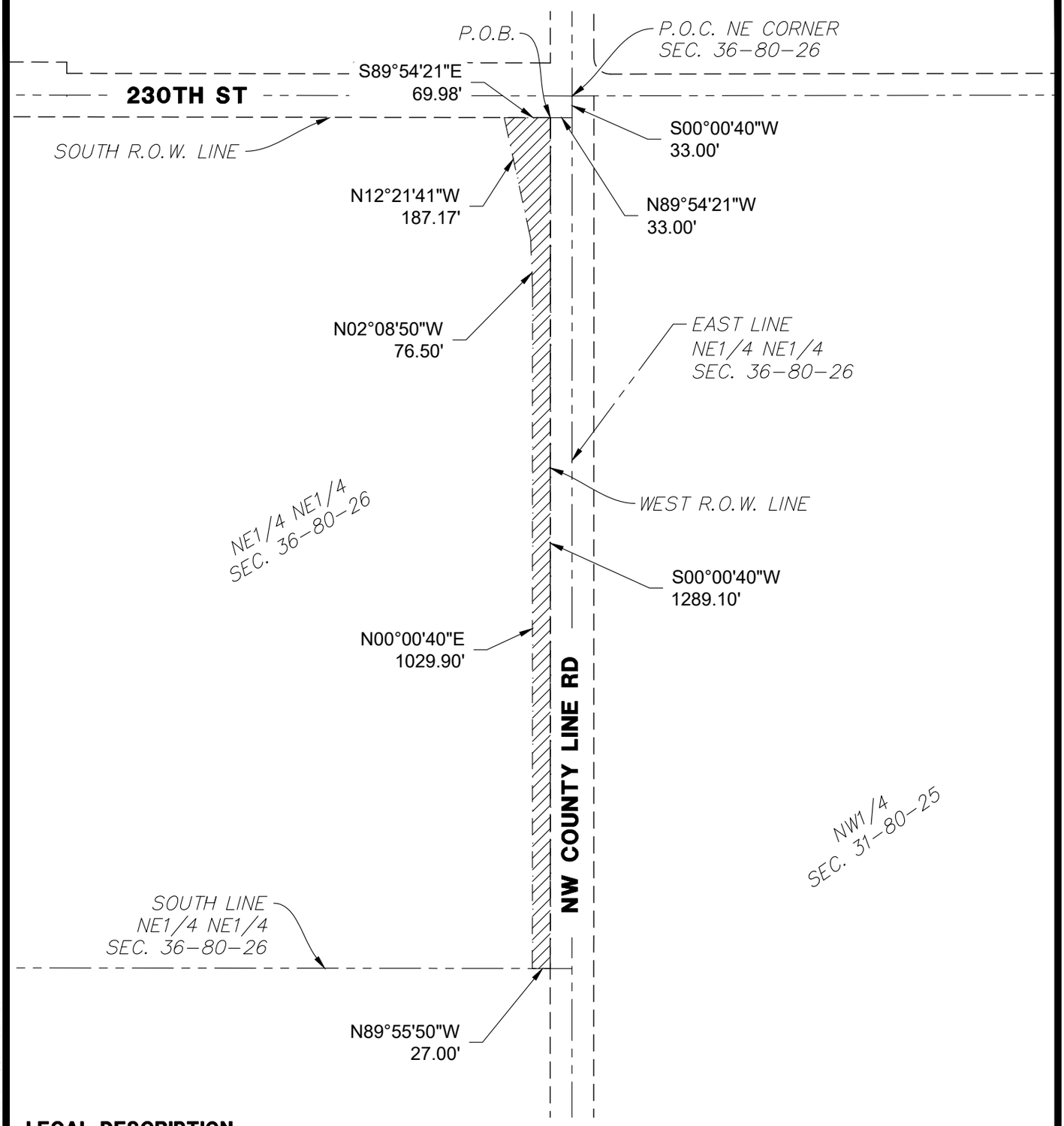
ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
PUE-02

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Easements.dwg PLOT DATE: 02/8/2023 7:52 AM PLOTTED BY: JOHN DEWEY

EXHIBIT '03'

PERMANENT PUBLIC UTILITY EASEMENT



LEGAL DESCRIPTION:

A PERMANENT PUBLIC UTILITY EASEMENT BEING PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 80 NORTH, RANGE 26 WEST OF THE 5TH P.M., CITY OF GRIMES, DALLAS COUNTY, IOWA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION 36; THENCE ALONG THE EAST LINE OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER, SOUTH 00°00'40" WEST A DISTANCE OF 33.00 FEET; THENCE NORTH 89°24'51" WEST A DISTANCE OF 33.00 FEET TO THE POINT OF BEGINNING ON THE WESTERLY RIGHT OF WAY LINE OF NW COUNTY LINE ROAD; THENCE SOUTH 00°00'40" WEST A DISTANCE OF 1289.10 FEET; THENCE NORTH 89°55'50" WEST ALONG THE SOUTH LINE OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER, A DISTANCE OF 27.00 FEET; THENCE NORTH 00°00'40" EAST A DISTANCE OF 1029.90 FEET; THENCE NORTH 02°08'50" WEST A DISTANCE OF 76.50 FEET; THENCE NORTH 12°21'41" WEST A DISTANCE OF 187.17 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF 230TH STREET; THENCE SOUTH 89°54'21" EAST ALONG SAID RIGHT OF WAY LINE A DISTANCE OF 69.98 FEET TO THE POINT OF BEGINNING; SAID EASEMENT CONTAINS 39,107 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 100 200
(IN FEET)
1 inch =200 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: This sheet
DATE SURVEYED: 1/19/23

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COUNTY LINE ROAD
WATER MAIN

GRIMES/IA
DALLAS COUNTY
211186
02/02/2023

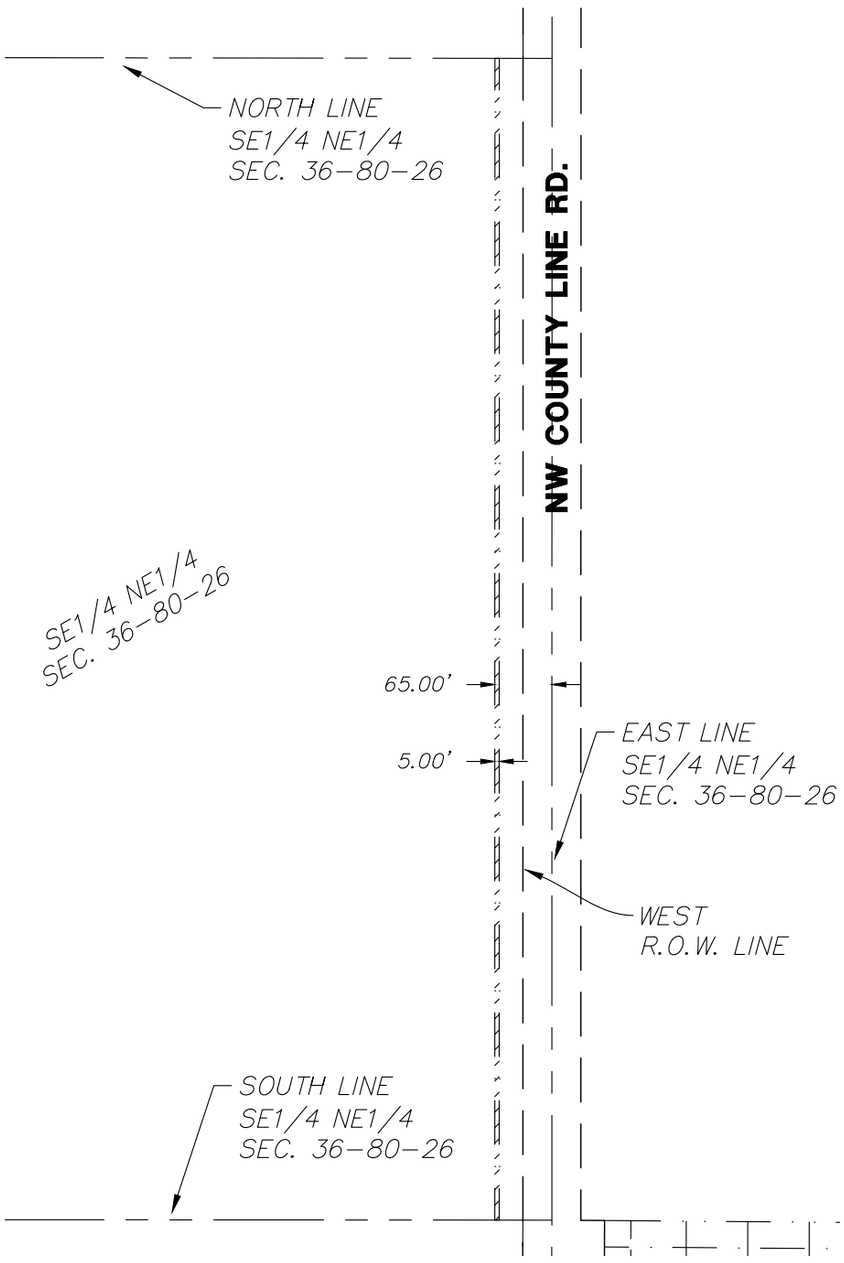
ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
PUE-03

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Easements.dwg PLOT DATE: 02/8/2023 7:52 AM PLOTTED BY: JOHN DEWEY

EXHIBIT 'TE02'

TEMPORARY CONSTRUCTION EASEMENT



LEGAL DESCRIPTION:

A TEMPORARY CONSTRUCTION EASEMENT BEING THE WEST 5.00 FEET OF THE EAST 65.00 FEET OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 80 NORTH, RANGE 26 WEST OF THE 5TH P.M., CITY OF GRIMES, DALLAS COUNTY, IOWA. SAID EASEMENT CONTAINS 6,611 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 100 200
(IN FEET)
1 inch =200 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: THIS SHEET
DATE SURVEYED: 1/19/2023

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COUNTY LINE ROAD
WATER MAIN

GRIMES/IOWA
DALLAS COUNTY
211186
02/02/2023

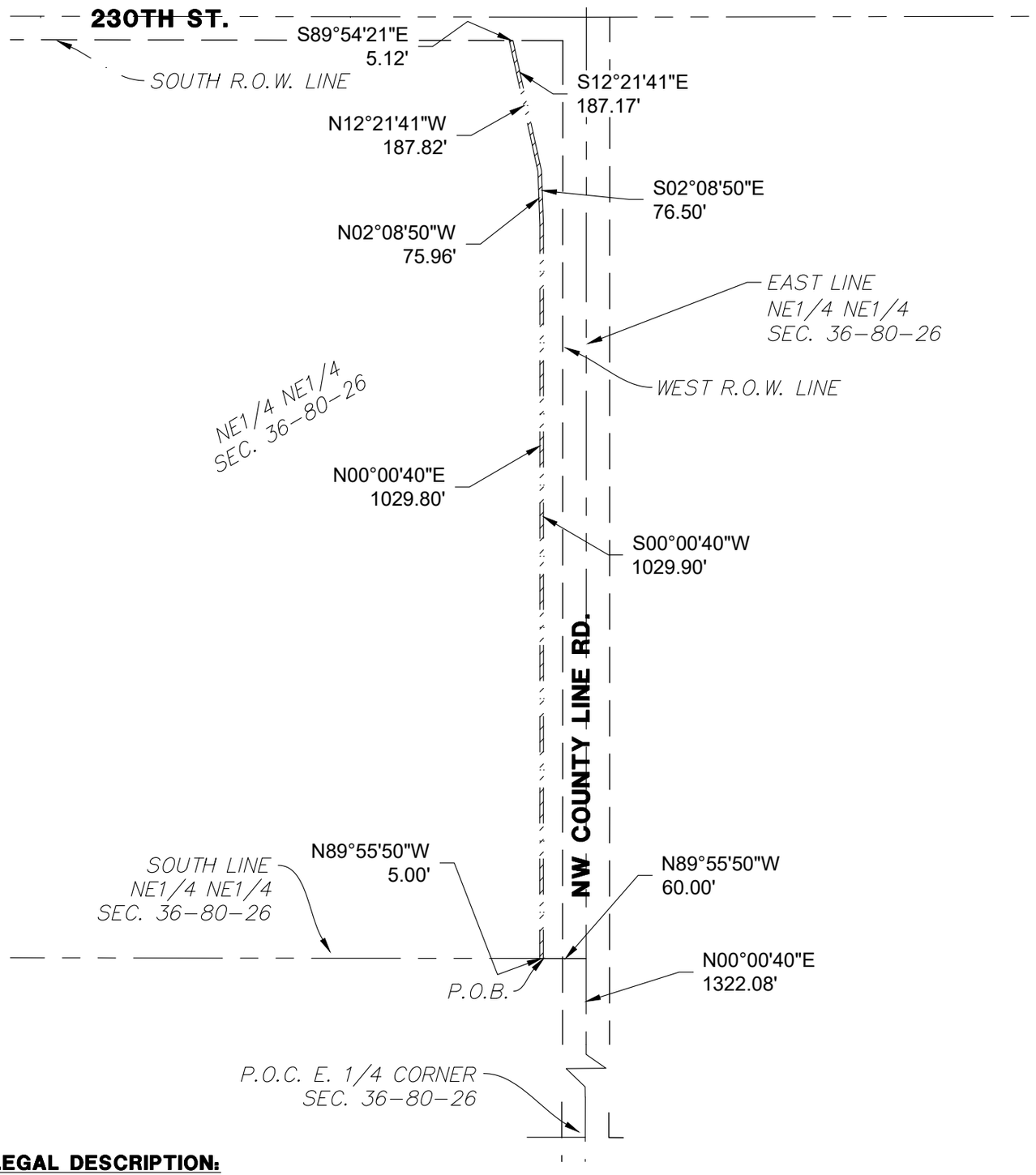
ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
TCE-02

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Temporary Easements.dwg PLOT DATE: 02/9/2023 10:00 AM PLOTTED BY: JOHN DEWEY

EXHIBIT 'TE03'

TEMPORARY CONSTRUCTION EASEMENT



LEGAL DESCRIPTION:

A TEMPORARY CONSTRUCTION EASEMENT BEING PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 36, TOWNSHIP 80 NORTH, RANGE 26 WEST OF THE 5TH P.M., CITY OF GRIMES, DALLAS COUNTY, IOWA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 36, THENCE ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, NORTH 00°00'40" EAST A DISTANCE OF 1322.08 FEET; THENCE ALONG THE SOUTH LINE OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER, NORTH 89°55'50" WEST A DISTANCE OF 60.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID SOUTH LINE, NORTH 89°55'50" WEST A DISTANCE OF 5.00 FEET; THENCE NORTH 00°00'40" EAST A DISTANCE OF 1029.80 FEET; THENCE NORTH 02°08'50" WEST A DISTANCE OF 75.96 FEET; THENCE NORTH 12°21'41" WEST A DISTANCE OF 187.82 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF 230TH STREET; THENCE ALONG SAID RIGHT OF WAY LINE, SOUTH 89°54'21" EAST A DISTANCE OF 5.12 FEET; THENCE SOUTH 12°21'41" EAST A DISTANCE OF 187.17 FEET; THENCE SOUTH 02°08'50" EAST, 76.50 FEET; THENCE SOUTH 00°00'40" WEST A DISTANCE OF 1029.90 FEET TO THE POINT OF BEGINNING; SAID EASEMENT CONTAINS 6,468 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 100 200
(IN FEET)
1 inch =200 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: THIS SHEET
DATE SURVEYED: 1/19/2023

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COIUNTY LINE ROAD
WATER MAIN

GRIMES/IOWA
DALLAS COUNTY
211186
02/02/2023

ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
TCE-03

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Temporary Easements.dwg PLOT DATE: 02/9/2023 10:00 AM PLOTTED BY: JOHN DEWEY

Prepared by/Return to: Alex Pfaltzgraff, City of Grimes, 410 SE Main Street, Unit 102, Grimes, IA 50111 515.986.4050

SPACE ABOVE THIS LINE FOR RECORDER

OFFER TO PURCHASE AND AGREEMENT

PARCEL NO. **0836200004 & 0836200002**
COUNTY: **Dallas**
PROJECT NO. **N/A**
PROJECT NAME: **NW County Line Road Water Main**

TO: Hope K Farms LLC

On this 26th day of May 2023, the City of Grimes, Iowa, a municipal corporation organized under the laws of the State of Iowa (hereinafter referred to as "CITY" or "BUYER") acting by and through the undersigned, its authorized Agent, hereby offers to buy the real estate situated in Polk County, Iowa, and legally described on the attached **Easement Exhibit. This offer shall terminate on 30 days from offer date.** If accepted by SELLER, as evidenced by SELLER'S signature below, the parties agree as follows:

1. **SELLER AGREES to sell and furnish to BUYER a conveyance document, on form(s) furnished by Buyer, and Buyer agrees to buy the following real estate, hereinafter referred to as the premises as described on EXHIBIT A and which include the following buildings, improvements and other property: LAND ONLY. SELLER CONSENTS to any change of grade related to the project and accepts payment under this agreement for any and all damages arising therefrom. SELLER ACKNOWLEDGES full settlement and payment from Buyer for all claims per the terms of this agreement and discharges Buyer from liability because of this agreement and the construction of this public improvement project.**

2. **Possession of the premises is the essence of this agreement and Buyer may enter and assume full use and enjoyment of the premises per the terms of this agreement. SELLER grants Buyer the immediate right to enter the premises for the purpose of gathering survey and soil data. SELLER may surrender possession of the premises or building or improvement or any part thereof prior to the time at which SELLER has hereinafter agreed to do so, and agrees to give Buyer ten (10) days' notice of SELLER'S intention to do so in writing.**

3. **Buyer agrees to pay and SELLER AGREES to grant the right of possession, convey title and to surrender physical possession of the premises as shown on or before the dates listed below.**

PAYMENT AMOUNT	AGREED PERFORMANCE	DATE
$ _____	on right of possession	_____
$ _____	on conveyance of title	_____
$ _____	on surrender of possession	_____
$ 35,000.00	on possession and conveyance	Within 30 Days of BUYER Approval

$ 35,000.00 TOTAL LUMP SUM

BREAKDOWN: ac. = acres / sq.ft. = square feet

Land by Fee Title	0	sq.ft.	$ 0.0
Underlying Fee Title	0	sq.ft.	$ 0.00
Permanent Easement	35,697	sq.ft.	$ 34,000.00
Temporary Easement(s)	6,611	sq.ft.	$ 1,000.00
Landscaping/Other			$ 0.00
Total			$ 35,000.00

Additional Damages None

DISTRIBUTION: ONE COPY RETURNED TO BUYER -- ONE COPY RETAINED BY SELLER

4. **SELLER WARRANTS that there are no tenants on the premises holding under lease except: Insert Tenant**

5. **Each page and each attachment is by this reference made part hereof.**

6. **This agreement shall apply to and bind the legal successors in interest of the Seller and SELLER AGREES to pay all liens and assessments against the premises, including all taxes and special assessments payable until surrender of possession as required by the Code of Iowa, and agrees to warrant good and sufficient title. Names and addresses of lienholders are: None**

7. **SELLER agrees that amounts payable by SELLER for real estate taxes, special assessments, mortgage payoffs, liens, or judgments shall be deducted at closing from the purchase price. SELLER AGREES to obtain court approval of this contract, if requested by Buyer, if title to the premises becomes an asset of any estate, trust, conservatorship or guardianship. Buyer agrees to pay court approval costs and all other costs necessary to transfer the premises to Buyer, but not attorney fees. Claims for such transfer costs shall be paid in amounts supported by paid receipts or signed bills.**

8. **BUYER agrees that any drain tile and/or underground irrigation systems which are located within the premises and are damaged by construction shall be repaired at no expense to SELLER. BUYER shall have the right of entry upon SELLER'S remaining property along the right of way line, if necessary, for the purpose of connecting said drain tile and/or underground irrigation systems.**

9. **If SELLER holds title to the premises in joint tenancy with full rights of survivorship and not as tenants in common at the time of this agreement, Buyer will pay any remaining proceeds to the survivor of that joint tenancy and will accept title solely from that survivor, provided the joint tenancy has not been destroyed by operation of law or acts of SELLER.**

10. **These premises are being acquired for public purposes and this transfer is exempt from the requirements for the filing of a Declaration of Value by the Code of Iowa.**

11. **BUYER hereby gives notice of SELLER's five-year right to renegotiate construction or maintenance damages not apparent at the time of the signing of this agreement as required by the Code of Iowa.**

12. **BUYER hereby agrees to additionally warrant the project against any defects against the property as a result of the project for a period of one year following the completion and acceptance of the project. Defects may include, but are not limited to insufficient seeding/stabilization or settling of the property within the easement.**

13. **SELLER states and warrants that there is no well, solid waste disposal site, hazardous substances, nor underground storage tanks on the premises described and sought herein, except: None**

14. **BUYER shall be responsible for the removal and relocation of any fences.**

15. **BUYER shall be responsible for all restoration disturbed area within the easements.**

16. **SELLER agrees to cooperate with BUYER in removing liens and encumbrances in order to convey marketable title to BUYER in conformity with Iowa law and the Title Standards of the Iowa State Bar Association. If possession and conveyance are delayed due to SELLER's inability to provide marketable title, this Agreement shall continue in force and effect until either party rescinds the Agreement after giving ten days written notice to the other party. SELLER understands that if necessary property rights cannot be acquired by voluntary purchase, BUYER may initiate action to acquire the property interests contemplated in this Agreement under power of eminent domain.**

17. **SELLER'S spouse, if not a title holder immediately preceding acceptance, executes this Agreement only for the purpose of relinquishing all rights of dower, homestead and distributive share or in compliance with Section 561.13 of the Code of Iowa and agrees to execute the conveyance documents for this purpose.**

18. **This Agreement shall not be binding until it has received the final approval by Resolution of the Grimes City Council.**

19. **GENERAL PROVISIONS.**

    a. **This Agreement contains the entire agreement of the parties and no waiver, modification, release, or cancellation of this Agreement or any portion of this Agreement shall be binding unless evidenced by writing.**
    b. **This Agreement shall be binding on the heirs, personal representatives, assigns, and successors of the parties.**
    c. **This Agreement shall be governed by, construed, and enforced in accordance with the law of the State of Iowa.**

SELLER'S SIGNATURE AND CLAIMANT'S CERTIFICATION: Upon due approval and execution by the Buyer, we the undersigned claimants certify the total lump sum payment shown herein is just and unpaid.

X _____ **X** _____
By: _____ **By:** _____
Marital Status: _____ **Marital Status:** _____

ALL PURPOSE ACKNOWLEDGMENT

STATE OF _____**}**
COUNTY OF _____**} ss:**

On this _____ **day of** _____**, A.D. 20**_____**, before me, the undersigned, a Notary Public in and for said State, personally appeared** ___ _____ _____**,**

_____ **to me personally known**
or _____ **proved to me on the basis of satisfactory evidence**

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

(NOTARY SEAL) _____ **(Sign in Ink)**
_____ **(Print/Type Name)**
Notary Public in and for the State of _____

CAPACITY CLAIMED BY SIGNER:
_ INDIVIDUAL
_ CORPORATE
Title(s) of Corporate Officer(s):
_____
_____
__ Corporate Seal is affixed
__ No Corporate Seal procured
_ PARTNER(s): __ Limited Partnership
__ General Partnership
_ ATTORNEY-IN-FACT
_ EXECUTOR(s) or TRUSTEE(s)
_ GUARDIAN(s) or CONSERVATOR(s)
_ OTHER: _____
SIGNER IS REPRESENTING:
List name(s) of person(s) or entity(ies)
_____
_____
_____

BUYER'S APPROVAL

_____
Signed by: Scott Mikkelsen (Date)

_____
Attested by: Rochelle Williams (Date)

BUYER'S ACKNOWLEDGMENT

STATE OF _____**}**
COUNTY OF _____**} ss:**

On this _____ **day of** _____**, 20**_____**, before me, the undersigned, personally appeared** _____**, known to me to be an agent of the City of Grimes, Iowa and who did say that said instrument was signed on behalf of City by its authority duly recorded in its minutes, and said agent acknowledged the execution of said instrument, which signature appears hereon, to be the voluntary act and deed of the City and by it voluntarily executed.**

_____
Notary Public in and for the State of Iowa

RESOLUTION NO. 06-3823

RESOLUTION APPROVING OFFER TO PURCHASE AND AGREEMENT – NW COUNTY LINE ROAD WATER MAIN - HOPE K FARMS

WHEREAS, the City of Grimes is developing plans to construct the Grimes Phase 1A Water System Improvements (the "Project") and has determined that certain easements are necessary in order to construct the Project; and

WHEREAS, the City of Grimes has extended an Offer to Purchase and Agreement (the "Offer"), provided as Exhibit A, to the property owner (the "Owner"); and

WHEREAS, the Owner has reviewed the Offer and has accepted the Offer.

NOW, THEREFORE, be it resolved by the City Council of the City of Grimes, Iowa:

That, the Offer to Purchase Easement and Agreement is approved by the Grimes City Council, and the Mayor is authorized to execute, on behalf of the City of Grimes, such documents as are necessary and appropriate to effectuate the terms pursuant to the Offer, including, without limitation, any agreements, easements or other documents, and the City Clerk is authorized to attest to their signatures.

PASSED AND APPROVED this 27th day of June 2023.

By:_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

CITY OF GRIMES

101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 27, 2023

AGENDA HEADING:
Resolution Approving Offer to Purchase and Agreement – NW County Line Road Water Main - Hope Timber

SYNOPSIS:
With the development of the plans for Phase 1A Water System Improvements , it has been determined that certain easements will be necessary to construct the project.

An appraisal has been prepared for the easements, and an offer made to the property owner. The offer indicates that the City will pay a total of $30,000 for the permanent and temporary easements.

The owner has reviewed the offer and accepted it.

FISCAL IMPACT:

Total Cost = $30,000

PREVIOUS COUNCIL ACTION(S):
N/A

BOARD/COMMISSION ACTION(S):
N/A

STAFF/COMMITTEE RECOMMENDATION:
Staff would recommend approval of the Resolution

RESOLUTION NO. 06-3923

RESOLUTION APPROVING OFFER TO PURCHASE AND AGREEMENT – NW COUNTY LINE ROAD WATER MAIN - HOPE TIMBER

WHEREAS, the City of Grimes is developing plans to construct the Grimes Phase 1A Water System Improvements (the "Project") and has determined that certain easements are necessary in order to construct the Project; and

WHEREAS, the City of Grimes has extended an Offer to Purchase and Agreement (the "Offer"), provided as Exhibit A, to the property owner (the "Owner"); and

WHEREAS, the Owner has reviewed the Offer and has accepted the Offer.

NOW, THEREFORE, be it resolved by the City Council of the City of Grimes, Iowa:

That, the Offer to Purchase Easement and Agreement is approved by the Grimes City Council, and the Mayor is authorized to execute, on behalf of the City of Grimes, such documents as are necessary and appropriate to effectuate the terms pursuant to the Offer, including, without limitation, any agreements, easements or other documents, and the City Clerk is authorized to attest to their signatures.

PASSED AND APPROVED this 27th day of June, 2023.

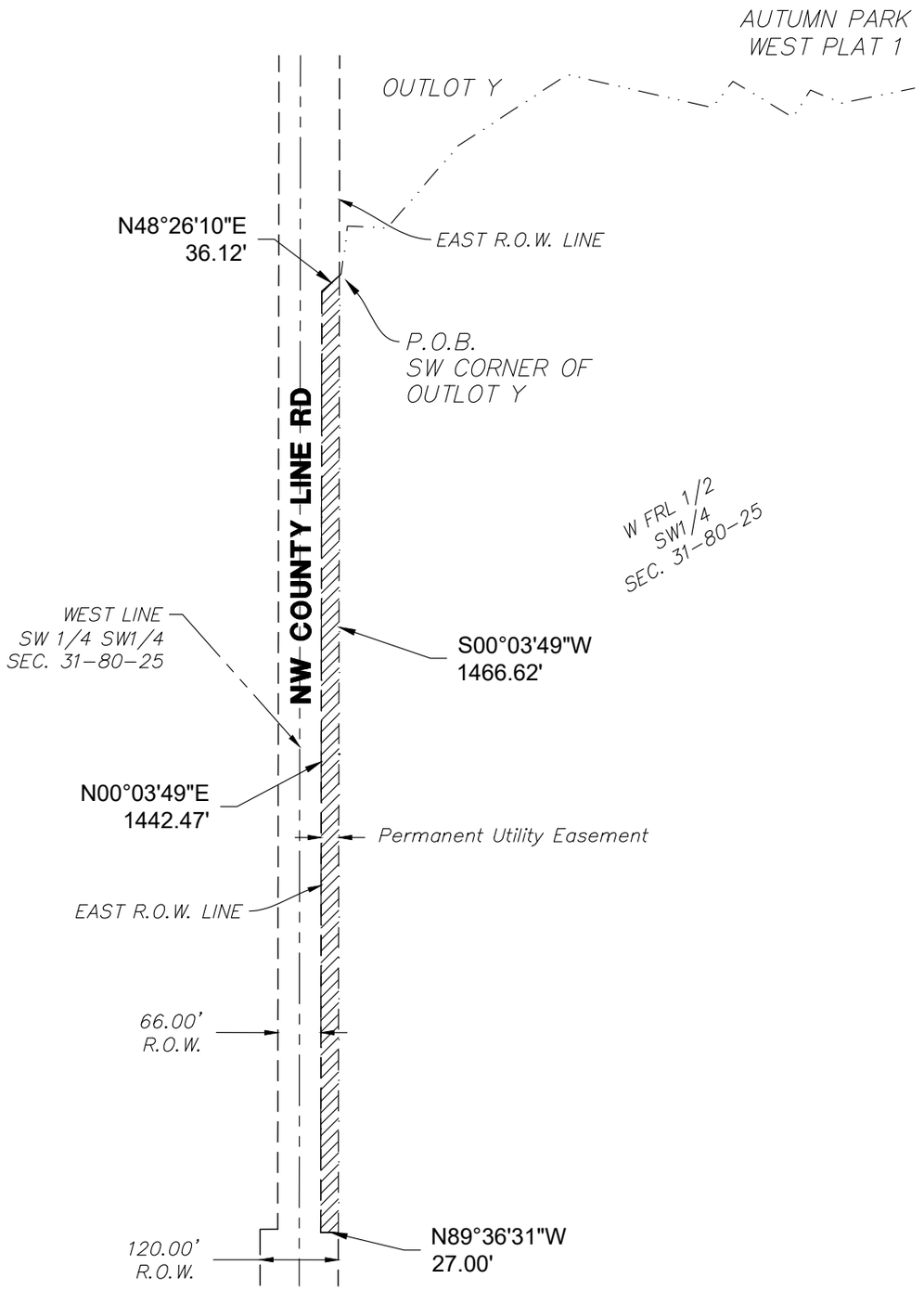
By:_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

EXHIBIT '01'

PERMANENT PUBLIC UTILITY EASEMENT



LEGAL DESCRIPTION:

A PERMANENT PUBLIC UTILITY EASEMENT BEING PART OF THE WEST FRACTIONAL HALF OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE 5TH P.M., CITY OF GRIMES, POLK COUNTY, IOWA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF OUTLOT 'Y', AUTUMN PARK WEST PLAT 1, AN OFFICIAL PLAT NOW INCLUDED IN AND FORMING A PART OF THE CITY OF GRIMES; THENCE SOUTH 00°03'49" WEST A DISTANCE OF 1466.62' TO A POINT ON THE EASTERLY RIGHT OF WAY LINE OF NW COUNTY LINE ROAD; THENCE NORTH 89°36'31" WEST ALONG SAID RIGHT OF WAY LINE A DISTANCE OF 27.00'; THENCE NORTH 00°03'49" EAST ALONG SAID RIGHT OF WAY LINE A DISTANCE OF 1442.47'; THENCE NORTH 48°26'10" EAST ALONG THE EASTERLY RIGHT OF WAY LINE OF NW COUNTY LINE ROAD TO THE POINT OF BEGINNING. SAID EASEMENT CONTAINS 39,273 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 125 250
(IN FEET)
1 inch =250 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: This sheet
DATE SURVEYED: 1/19/23

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COUNTY LINE ROAD
WATER MAIN

GRIMES/IA
POLK COUNTY
211186
2/2/2023

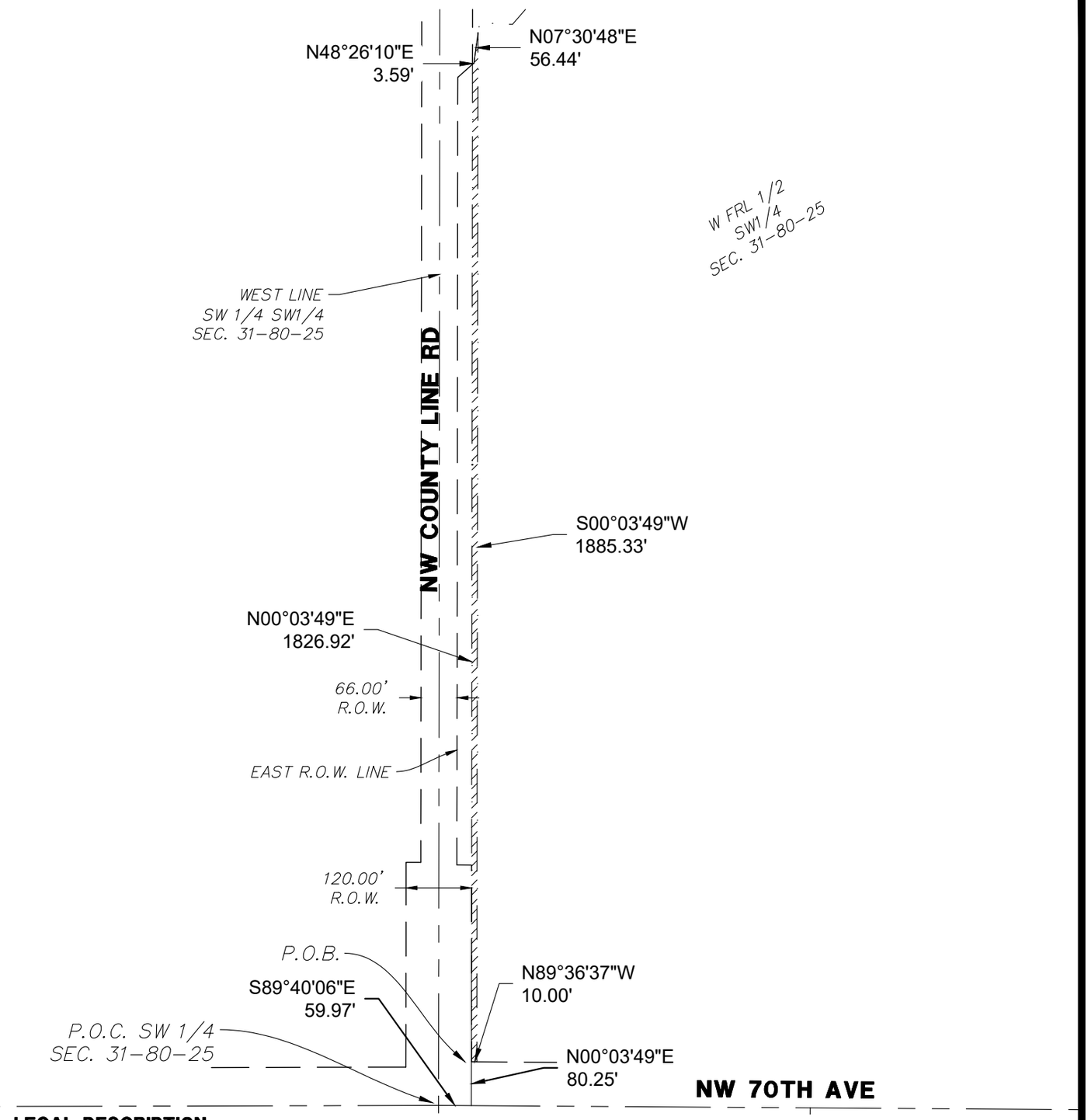
ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
PUE-01

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Easements.dwg PLOT DATE: 02/8/2023 7:52 AM PLOTTED BY: JOHN DEWEY

EXHIBIT 'TE01'

TEMPORARY CONSTRUCTION EASEMENT



LEGAL DESCRIPTION:

A TEMPORARY CONSTRUCTION EASEMENT BEING PART OF THE WEST FRACTIONAL HALF OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE 5TH/ P.M., CITY OF GRIMES, POLK COUNTY, IOWA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE ALONG THE SOUTH LINE OF SAID SECTION 31, SOUTH 89°40'06" EAST A DISTANCE OF 59.97 FEET; THENCE ALONG AN EXTENSION OF THE EASTERLY RIGHT OF WAY LINE OF NW COUNTY LINE ROAD, NORTH 00°03'49" EAST A DISTANCE OF 80.25 FEET TO THE POINT OF BEGINNING ON SAID EASTERLY RIGHT OF WAY LINE; THENCE ALONG SAID EASTERLY RIGHT OF WAY, NORTH 00°03'49" EAST A DISTANCE OF 1826.92 FEET; THENCE NORTH 48°26'10" EAST A DISTANCE OF 3.59 FEET; THENCE NORTH 07°30'48" EAST A DISTANCE OF 56.44 FEET; THENCE SOUTH 00°03'49" WEST, 1885.33 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF NW 70TH AVENUE; THENCE NORTH 89°36'37" WEST A DISTANCE OF 10.00 FEET TO THE POINT OF BEGINNING; SAID EASEMENT CONTAINS 18,495 SQUARE FEET AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

N
NORTH

0 125 250
(IN FEET)
1 inch =250 ft.

LICENSED LAND SURVEYOR
JOHN DEWEY 23252
IOWA

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____ DATE: _____
JOHN DEWEY

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023
PAGES OR SHEETS COVERED BY THIS SEAL: THIS SHEET
DATE SURVEYED: 1/19/2023

LEGEND

- PROPERTY LINE
- SECTION LINE
- ROW LINE
- EASEMENT AREA

McCLURE™
making lives better.
335 SE Oralabor Road
Ankeny, Iowa 50021
515-512-1361

REVISIONS
.
.
.

COUNTY LINE ROAD
WATER MAIN

GRIMES/IOWA
POLK COUNTY
211186
02/02/2023

ENGINEER A. POTTER
DRAWN BY A. FULLER
SURVEYOR J. DEWEY
CREW CHIEF

SKETCH NO.
TCE-01

DRAWING PATH: P:\211186-010\04-Drawings_Survey\211186-Temporary Easements.dwg PLOT DATE: 02/9/2023 10:00 AM PLOTTED BY: JOHN DEWEY

Prepared by/Return to: Alex Pfaltzgraff, City of Grimes, 410 SE Main Street, Unit 102, Grimes, IA 50111 515.986.4050

SPACE ABOVE THIS LINE FOR RECORDER

OFFER TO PURCHASE AND AGREEMENT

PARCEL NO. **8025-31-300-091**
COUNTY: **Polk**
PROJECT NO. **N/A**
PROJECT NAME: **NW County Line Road Water Main**

TO: Hope Timber LLC

On this 26th day of May 2023, the City of Grimes, Iowa, a municipal corporation organized under the laws of the State of Iowa (hereinafter referred to as "CITY" or "BUYER") acting by and through the undersigned, its authorized Agent, hereby offers to buy the real estate situated in Polk County, Iowa, and legally described on the attached **Easement Exhibit. This offer shall terminate on 30 days from offer date.** If accepted by SELLER, as evidenced by SELLER'S signature below, the parties agree as follows:

1. **SELLER AGREES to sell and furnish to BUYER a conveyance document, on form(s) furnished by Buyer, and Buyer agrees to buy the following real estate, hereinafter referred to as the premises as described on EXHIBIT A and which include the following buildings, improvements and other property: LAND ONLY. SELLER CONSENTS to any change of grade related to the project and accepts payment under this agreement for any and all damages arising therefrom. SELLER ACKNOWLEDGES full settlement and payment from Buyer for all claims per the terms of this agreement and discharges Buyer from liability because of this agreement and the construction of this public improvement project.**

2. **Possession of the premises is the essence of this agreement and Buyer may enter and assume full use and enjoyment of the premises per the terms of this agreement. SELLER grants Buyer the immediate right to enter the premises for the purpose of gathering survey and soil data. SELLER may surrender possession of the premises or building or improvement or any part thereof prior to the time at which SELLER has hereinafter agreed to do so, and agrees to give Buyer ten (10) days' notice of SELLER'S intention to do so in writing.**

3. **Buyer agrees to pay and SELLER AGREES to grant the right of possession, convey title and to surrender physical possession of the premises as shown on or before the dates listed below.**

PAYMENT AMOUNT	AGREED PERFORMANCE	DATE
$	on right of possession	
$	on conveyance of title	
$	on surrender of possession	
$ 30,000	on possession and conveyance	Within 30 Days of BUYER Approval
$ 30,000	TOTAL LUMP SUM	

BREAKDOWN: ac. = acres / sq.ft. = square feet

Land by Fee Title	0	sq.ft.	$ 0.0
Underlying Fee Title	0	sq.ft.	$ 0.00
Permanent Easement	39,273	sq.ft.	$ 27,900.00
Temporary Easement(s)	18,495	sq.ft.	$ 2,100.00
Landscaping/Other			$ 0.00
Total			$ 30,000

Additional Damages None

DISTRIBUTION: ONE COPY RETURNED TO BUYER -- ONE COPY RETAINED BY SELLER

4. **SELLER WARRANTS that there are no tenants on the premises holding under lease except: Insert Tenant**

5. **Each page and each attachment is by this reference made part hereof.**

6. **This agreement shall apply to and bind the legal successors in interest of the Seller and SELLER AGREES to pay all liens and assessments against the premises, including all taxes and special assessments payable until surrender of possession as required by the Code of Iowa, and agrees to warrant good and sufficient title. Names and addresses of lienholders are: None**

7. **SELLER agrees that amounts payable by SELLER for real estate taxes, special assessments, mortgage payoffs, liens, or judgments shall be deducted at closing from the purchase price. SELLER AGREES to obtain court approval of this contract, if requested by Buyer, if title to the premises becomes an asset of any estate, trust, conservatorship or guardianship. Buyer agrees to pay court approval costs and all other costs necessary to transfer the premises to Buyer, but not attorney fees. Claims for such transfer costs shall be paid in amounts supported by paid receipts or signed bills.**

8. **BUYER agrees that any drain tile and/or underground irrigation systems which are located within the premises and are damaged by construction shall be repaired at no expense to SELLER. BUYER shall have the right of entry upon SELLER'S remaining property along the right of way line, if necessary, for the purpose of connecting said drain tile and/or underground irrigation systems.**

9. **If SELLER holds title to the premises in joint tenancy with full rights of survivorship and not as tenants in common at the time of this agreement, Buyer will pay any remaining proceeds to the survivor of that joint tenancy and will accept title solely from that survivor, provided the joint tenancy has not been destroyed by operation of law or acts of SELLER.**

10. **These premises are being acquired for public purposes and this transfer is exempt from the requirements for the filing of a Declaration of Value by the Code of Iowa.**

11. **BUYER hereby gives notice of SELLER's five-year right to renegotiate construction or maintenance damages not apparent at the time of the signing of this agreement as required by the Code of Iowa.**

12. **BUYER hereby agrees to additionally warrant the project against any defects against the property as a result of the project for a period of one year following the completion and acceptance of the project. Defects may include, but are not limited to insufficient seeding/stabilization or settling of the property within the easement.**

13. **SELLER states and warrants that there is no well, solid waste disposal site, hazardous substances, nor underground storage tanks on the premises described and sought herein, except: None**

14. **BUYER shall be responsible for the removal and relocation of any fences.**

15. **BUYER shall be responsible for all restoration disturbed area within the easements.**

16. **SELLER agrees to cooperate with BUYER in removing liens and encumbrances in order to convey marketable title to BUYER in conformity with Iowa law and the Title Standards of the Iowa State Bar Association. If possession and conveyance are delayed due to SELLER's inability to provide marketable title, this Agreement shall continue in force and effect until either party rescinds the Agreement after giving ten days written notice to the other party. SELLER understands that if necessary property rights cannot be acquired by voluntary purchase, BUYER may initiate action to acquire the property interests contemplated in this Agreement under power of eminent domain.**

17. **SELLER'S spouse, if not a title holder immediately preceding acceptance, executes this Agreement only for the purpose of relinquishing all rights of dower, homestead and distributive share or in compliance with Section 561.13 of the Code of Iowa and agrees to execute the conveyance documents for this purpose.**

18. **This Agreement shall not be binding until it has received the final approval by Resolution of the Grimes City Council.**

19. **GENERAL PROVISIONS.**

    a. **This Agreement contains the entire agreement of the parties and no waiver, modification, release, or cancellation of this Agreement or any portion of this Agreement shall be binding unless evidenced by writing.**
    b. **This Agreement shall be binding on the heirs, personal representatives, assigns, and successors of the parties.**
    c. **This Agreement shall be governed by, construed, and enforced in accordance with the law of the State of Iowa.**

SELLER'S SIGNATURE AND CLAIMANT'S CERTIFICATION: Upon due approval and execution by the Buyer, we the undersigned claimants certify the total lump sum payment shown herein is just and unpaid.

X _____ **X** _____
By: _____ **By:** _____
Marital Status: _____ **Marital Status:** _____

ALL PURPOSE ACKNOWLEDGMENT

STATE OF _____**}**
COUNTY OF _____**} ss:**

On this _____ **day of** _____**, A.D. 20**_____**, before me, the undersigned, a Notary Public in and for said State, personally appeared** ___ _____ _____**,**

_____ **to me personally known**
or _____ **proved to me on the basis of satisfactory evidence**

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

(NOTARY SEAL) _____ **(Sign in Ink)**
_____ **(Print/Type Name)**
Notary Public in and for the State of _____

CAPACITY CLAIMED BY SIGNER:
_ INDIVIDUAL
_ CORPORATE
Title(s) of Corporate Officer(s):
_____
_____
__ Corporate Seal is affixed
__ No Corporate Seal procured
_ PARTNER(s): __ Limited Partnership
__ General Partnership
_ ATTORNEY-IN-FACT
_ EXECUTOR(s) or TRUSTEE(s)
_ GUARDIAN(s) or CONSERVATOR(s)
_ OTHER: _____
SIGNER IS REPRESENTING:
List name(s) of person(s) or entity(ies)
_____
_____
_____

BUYER'S APPROVAL

_____
Signed by: Scott Mikkelsen (Date)

_____
Attested by: Rochelle Williams (Date)

BUYER'S ACKNOWLEDGMENT

STATE OF _____**}**
COUNTY OF _____**} ss:**

On this _____ **day of** _____**, 20**_____**, before me, the undersigned, personally appeared** _____**, known to me to be an agent of the City of Grimes, Iowa and who did say that said instrument was signed on behalf of City by its authority duly recorded in its minutes, and said agent acknowledged the execution of said instrument, which signature appears hereon, to be the voluntary act and deed of the City and by it voluntarily executed.**

_____
Notary Public in and for the State of Iowa

CITY OF GRIMES

ANNUAL REPORT

2022

MARKETING & COMMUNICATIONS

DIRECTOR'S LETTER

The City of Grimes made the strategic decision to hire a Marketing & Communications Manager and I joined the City in that role on February 28, 2022. My goals for this new position and department are to increase awareness of the City of Grimes, promote current City projects, and educate residents about City services and events. These goals are accomplished through proactive and positive communication strategies. Staying ahead of current issues and offering frequent updates on projects and services with a positive tone helps to alleviate confusion and potential negative rhetoric around the City.

In 2022, with less than a full year of operation, this new department saw great success in its efforts. I've increased our social media presence, created a series of videos on various important topics, built a new website, redesigned the monthly newsletter, and promoted the City through our local media.

All departments require seamless processes to help them function productively; a new department is no exception. I created a Communication Guide that outlines the department's objectives. It also includes new policies including a social media policy, branding guidelines, media policy, and a crisis communications plan. Creating these policies and procedures is a part of this department's strategic planning goals.

Our talented staff has been very helpful in collaborating on communication projects. I value the pride they show in their work, which makes my job more fun to do. Their willingness to go on camera, regardless of if it's an internal piece or the local news, is greatly appreciated! I look forward to sharing Grimes' story and seeing how this department grows in the future.

STRATEGIC PLANNING

The Marketing & Communications Manager participated in the annual Strategic Planning process with the management staff. That exercise assigns certain priorities to each department for the following year, which are outlined for this department below.

2022 Strategic Planning Priorities

- **Develop Policies and Procedures.** The Marketing & Communications Manager created a Communications Guide outlining the communications vision and objectives. The Guide also includes a social media policy to outline expectations, explain limited public form and retention of content, evaluate situations where comments can be removed or users can be blocked, and offer an explanation on how to handle third-party content. A Style Guide within this document established City colors, fonts, and other brand elements. A Crisis Communications Policy, also in the Guide, is currently under development and details how the City will communicate with residents during natural disasters and other emergencies. And a Media Policy details the process for working with local journalists.
- **Prepare a White Paper on Community Surveys**. These surveys are used to gauge resident satisfaction with city services and projects or to evaluate interest in a specialized area such as public art. While conducting research on the uses and benefits of community surveys for city governments, it was discovered that these are costly to produce. Most cities work with third-party companies to produce community surveys because they create and distribute the survey. Companies mail, email, and conduct phone surveys to reach the maximum number of residents. However, it is an expensive process. In 2022, the City of Johnston spent $16,500 to survey 632 residents and the City of Pleasant Hill spent $15,500 to survey 460 residents. The goal was likely to reach a higher number of residents, but the cost of the survey compared to the number of respondents is out of balance. These funds would be best used in other areas of the City.

PROCESS IMPROVEMENTS

In 2022, the Marketing & Communications Manager participated in the Council Packet LEAN Training Process. The goal of the exercise was to help city staff understand how the Council packet is prepared and to streamline the process to be more efficient. This was the first LEAN Training conducted with DMACC. City staff was highly engaged in this exercise. Several steps were removed from the Council Packet creation process. We are seeing the beneficial results in real-time, including fewer versions that need to be posted to the website.

KEY METRICS

Key metrics indicated in this report are utilized to track the performance of certain communication efforts and will assist with decision-making regarding budgets, staffing, and process improvements. The following summarizes key metrics within the Marketing & Communications Department from March 1 to December 31, 2022, as the Marketing & Communications Manager started on February 28, 2022.

WEBSITE

Grimesiowa.gov is managed by the Marketing & Communications Manager. The Grimes Public Library manages its own website, and the Johnston-Grimes Municipal Fire Department's website is through the City of Johnston. The updated grimesiowa.gov was launched on August 30, 2022. The following statistics are from August 30 – December 31, 2022.

Total Page Views – 125,856

Top 5 Most Viewed Pages

1. Homepage: 20,978
2. Utilities Main Page: 7,157
3. Utility Payment: 6,688
4. Jobs: 5,423
5. Youth Programs: 3,746

SOCIAL MEDIA

The following covers accounts managed by the Marketing & Communications Manager. The Grimes Public Library Accounts are managed by Library staff and the Grimes Law Enforcement accounts are produced by the Polk County Sheriff's Office. All Johnston-Grimes Municipal Fire Department communication is primarily managed by the City of Johnston's two communications professionals, but the City of Grimes does have access to the Facebook page. The following key metrics are from March 1 – December 31, 2022.

Social Media Metric Definitions

- **Followers:** When someone follows a Page, it means they want to receive updates about the Page in their Feed.
- **Likes:** When someone likes a Page, they're showing support for the Page and that they want to see content from it. The Page will show up as being 'liked' in the 'About' section of that person's profile.
- **Reach:** The number of accounts that see a post one time.
- **Impressions:** The number of times a post is seen by accounts. One account could see a single post multiple times.
- **Engagement:** When an account interacts with a post by either liking, clicking, commenting, or sharing.

SOCIAL MEDIA CONTINUED

Facebook – City of Grimes Page

- Facebook is our largest social media platform and is the most effective at reaching residents.
  - **Followers**: 8,996
  - **New Page Likes**: 766
  - **Reach**: 252,843; 861.3% increase from 2021
  - **Page Visits**: 41,994
  - **Most Popular Post**
    - Glenstone MultiGolf Park Announcement
      - Impressions: 109,384
      - Reach: 103,104
      - Engagement: 14,882
      - Likes: 771
      - Shares: 402
      - Comments: 213

Facebook – Parks and Recreation Page

- **Followers**: 4,994
- **New Page Likes**: 333
- **Reach**: 56,478
- **Page Visits**: 14,830
- **Most Popular Post**
  - Glenstone MultiGolf Park Announcement
  - Reach: 10,499
  - Impressions: 11,159
  - Engagement: 2,015
  - Likes: 173
  - Shares: 37
  - Comments: 16

SOCIAL MEDIA CONTINUED

Facebook – GrimesPlex Page

- **Followers**: 674
- **New Page Likes**: 182
- **Reach**: 12,370
- **Page Visits**: 2,017

Instagram – City of Grimes

- Followers: 664

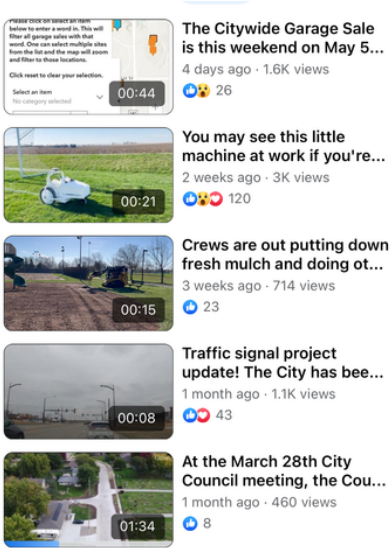
Instagram – Parks and Recreation

- Followers: 446

Twitter – City of Grimes

- Followers: 122

VIDEOS



Videos range from short clips of city services in action to longer pieces explaining a specific topic. The key metrics below are from March 1 - December 31, 2022.

- **Total Videos**: 47
- **Total Views Across All Social Media**: 73,080
- **Highest Views**: 6,500 (first video rendering of GrimesPlex)

MEDIA

The City has solicited and received positive media coverage for stories on our public improvement projects, Grimes' growth, and other topics. The key metrics below are from March 1 - December 31, 2022.

Media Metric Definitions

- **Placement**: any time the media has released a story of any length on Grimes that the City has pitched.
- **Views**: number of people who saw the placement.
- **Ad Equivalent**: the amount the City would have spent on TV ads to reach the same number of people.

TV & Radio

- Total Placements: 239
- Total Views: 3,738,139
- Total TV Ad Equivalent: $374,124.07

Print

- Total Articles: 3

NEWSLETTERS

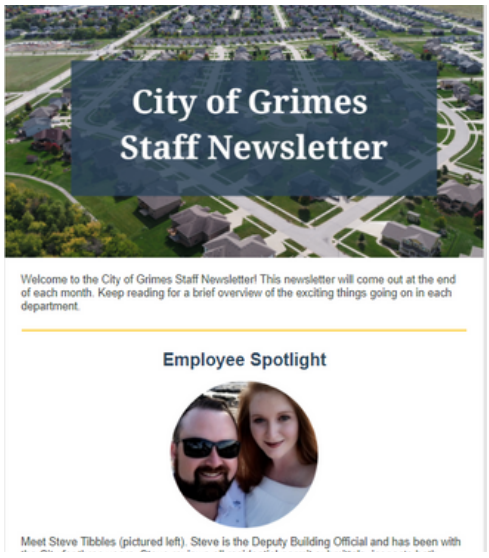
Monthly Resident Newsletter

The first redesigned monthly newsletter was sent on April 1, 2022, to City of Grimes residents. The newsletter is sent by email directly to all residents who are enrolled in electronic utility billing. A print copy of the newsletter is mailed to all residents who receive paper utility bills. The following key metrics are from April 1, 2022 to December 1, 2022.

- **Emails Received**: 29,359
- **Emails Opened**: 59%
  - 20% Above Industry Average

Monthly Staff Newsletter

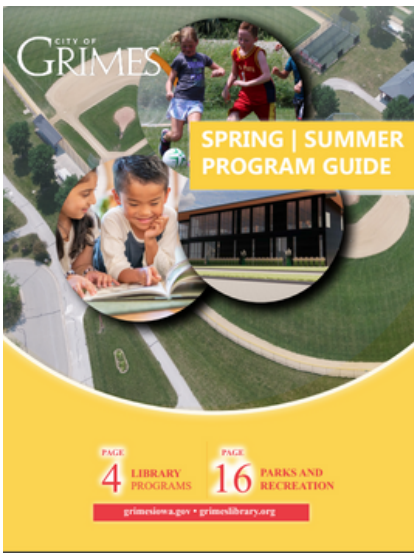
An internal newsletter was created for City of Grimes staff and was first released in September 2022. It contains information from each department including important announcements, employee achievements, and an employee and pet spotlight. This is sent to 'allcityemail@grimesiowa.gov' and individual email open rates are not available.

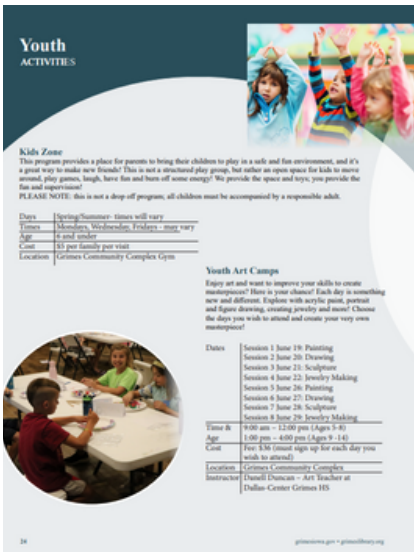


SPRING/SUMMER PROGRAM GUIDE

The Marketing & Communications Manager took over the design and production of the Spring/Summer Program Guide in 2022. This guide contained information on Parks and Library programs and events for the 2023 spring and summer seasons. It was sent to all Grimes addresses and additional copies were available to pick up at the Grimes Community Complex and Grimes Public Library.

- **Copies Mailed**: 8,018
- **Additional Pick Up Copies**: 400





CITY COUNCIL COMMUNICATION

Meeting Date: 06/27/23

AGENDA ITEM: Resolution Adjusting Employee Compensation and Approving Salary Ranges for Fiscal Year 2024

BACKGROUND: This annual resolution applies existing City Council policies to adjust compensation for all employees of the City of Grimes, including collectively organized/represented groups.

For non-union employees, and applying the methodology set forth in the Council's Employee Classification and Compensation Plan, those full-time employees scored as meeting performance expectations received pay adjustments, the results of which are reflected in the Exhibits attached to the resolution.

BUDGETARY CONSIDERATIONS: The costs of pay increases were budgeted for in the City's FY24 budget.

STRATEGIC PLANNING:

Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services__**X**_____
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Staff recommends that the City Council approve the resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:

Erik Fisk, Human Resources Director
efisk@grimesiowa.gov
515-986-9636

Prepared by: Erik Fisk, Human Resources Director
Return to: Erik Fisk, Human Resources Director

RESOLUTION 06-4023 ADJUSTING EMPLOYEE COMPENSATION AND APPROVING SALARY RANGES FOR FISCAL YEAR 2024

WHEREAS, pursuant to Pursuant to Resolution 06-0819 Approving and Adopting the Grimes Employee Classification and Compensation Plan, Phase I (passed June 11, 2019), the City has adopted a classification and compensation system that recognizes employee pay is determined by an identified range for each position, updated annually by reference to such positions in the peer cities of Altoona, Clive, Johnston, Norwalk, Pleasant Hill, and Waukee.

WHEREAS, pursuant to the Performance Management System adopted by the City Council in Resolution 09-0419 Adopting Performance Management System (passed September 10, 2019), the City obligated employees to submit to annual performance evaluations and the Human Resources Director has confirmed and completed that process;

WHEREAS, pursuant to the foregoing resolutions, employee pay was to be determined by measuring (a) the changing consumer cost of goods as represented by the Consumer Price Index (CPI) for urban consumers CPI-U Midwest, as reported by the United States Bureau of Labor Statistics IN January 2023 YOY (6.0%); (b) each employee's position in the pay range (whether at or near the entry point or at or near the max); (c) and measurement of the employee's performance to arrive at a proposed pay adjustment; and

WHEREAS, the Human Resources Director and City Administrator have proposed an exception to the aforementioned system's 3.0% max to 3.5% in an effort to recognize continuing elevated levels of inflation;

WHEREAS, the Human Resources Director has presented the "City of Grimes FY24 Wage and Salary Levels," attached hereto as Exhibit "A," which identifies the proposed FY24 salary ranges for the upcoming budget;

WHEREAS, the Human Resources Director has calculated the impact of the foregoing instruments, namely, the (1) Employee Classification and Compensation Plan and (2) Performance Management System and presented the results of the application of same by way of the "Employee Wage/Salary Levels FY24" attached hereto as Exhibit "B;"

WHEREAS, the Human Resources Director has calculated the adjustments for members of the organized IAFF unit, as set forth in the attached Exhibit "C."

WHEREAS, the Human Resources Director has applied adjustments to part-time employee compensation in the Library and Parks and Recreation Department by way of the method previously adopted by Resolution No. 08-1020 "A Resolution Approving Job Descriptions, Setting Pay Classifications and Making Pay Adjustments for Part-time Library Staff," in the "Part-time Employee Pay FY22," and as modified by Resolution No. 10-0822 with rates for Library Filers, and Resolution 09-3022 with rates for Library Associate I and Library Associate II, and related resolutions of Resolution 03-1022 for rates for Program Supervisors and Program Assistants, Resolution 12-2421 for the rates of Recreation Specialist, and the range for Customer Services Representatives, in the manner as attached hereto in Exhibit "D;"

NOW, THEREFORE, be it resolved by the Grimes City Council that:

Section 1. The findings of the Human Resources Director as set forth in the "City of Grimes FY24 Wage and Salary Levels," attached hereto as Exhibit "A," are accepted and adopted, incorporating salary ranges based on the comparator cities of Altoona, Clive, Johnston,

Norwalk, Pleasant Hill, Johnston, and Waukee and determining salary ranges for all City of Grimes positions;

Section 2. That the pay adjustments determined by the methodology identified herein are hereby adopted, which sets forth the following pay adjustments:

1. For those individuals covered by the **AFSCME agreement**, as follows:
    a. An adjustment as set forth in attached Exhibit B, plus the pay ranges set forth below and adopted separately in the labor contract with AFSCME:

I. Street Technician

$50,489.09	to	$65,328.64, annually
$24.27	to	$31.41, hourly

II. Utility Locator/Street Tech

$50,597.25	to	$70,260.32, annually
$24.33	to	$33.78, hourly

III. Water Laborer/Storm Water Laborer

$51,895.17	to	$71,385.60, annually
$24.95	to	$34.32, hourly

IV. Utility Locator

$58,038.66	to	$75,121.20, annually
$27.90	to	$36.14, hourly

V. Water Operator/Storm Water Operator

$58,038.24	to	$74,089.60, annually
$27.90	to	$35.62, hourly

2. For those covered by the Human Resources Director's proposed figures in that City of Grimes FY24 Wage and Salary Levels, in such manner according to the policies set forth herein, by virtue of reclassifications/promotions, and for performance and range advancement, and as more fully set forth in Exhibit B.
3. For those individuals covered by the **IAFF Agreement**:

An increase as set forth in the attached Exhibit C.

4. And finally, for those part-time employees in Parks and Recreation and the Library, as set forth in the attached Exhibit D.

Section 3. Repealer. All resolutions or parts of resolutions in conflict with the provisions of this resolution are hereby repealed.

Section 4. Severability. If any section, provision, or part of this resolution, or the policies herein adopted are invalidated, such invalidation shall not affect the validity of the resolution and/or policies as a whole.

Section 5. The City Council recognizes that this resolution does not automatically extend the proposed pay ranges or adjustments to the Library Director or Library Employees, which, pursuant to Chapter 23 of the Grimes Code of Ordinances, are reserved to the exclusive authority of the Library Board of Trustees, and for which the Library Board must by separate Motion and approval adopt on its own behalf.

ATTEST:

_____	_____
Mayor Scott Mikkelsen	Rochelle Williams, City Clerk

CITY COUNCIL COMMUNICATION

Meeting Date: 06/27/23

AGENDA ITEM: Resolution Authorizing Human Resources Director to Sign Collective Bargaining Contract for American Federation of State, County, and Municipal Employees, Iowa Council 61 ("AFSCME"), July 1, 2023, through June 30, 2024.

BACKGROUND: The resolution authorizes the Human Resources Director to sign a collective bargaining agreement with AFSCME, the labor unit that represents employees generally in the Public Works Department. The contract is for one year and includes basic subjects including wages, insurance, and a grievance process.

BUDGETARY CONSIDERATIONS: The cost was generally budgeted for in Public Works' FY24 budget.

STRATEGIC PLANNING:

Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services__**X**_____
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Staff recommends that the City Council approve the resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:

Erik Fisk, Human Resources Director
efisk@grimesiowa.gov
515-986-9636

Prepared by: Tammy Johnson, Human Resources Associate
Return to: Erik Fisk, Human Resources Director

RESOLUTION 06-4123 AUTHORIZING HUMAN RESOURCES DIRECTOR TO SIGN COLLECTIVE BARGAINING CONTRACT FOR AMERICAN FEDERATION OF STATE, COUNTY, AND MUNICIPAL EMPLOYEES, IOWA COUNCIL 61 ("AFSCME"), July 1, 2023, though June 30, 2024

WHEREAS, the City has negotiated a single year contract with the bargaining unit representing certain City of Grimes employees AFSCME, Council 61 (Public Works nonsupervisory employees); AND

WHEREAS, the City Council has been informed of the costs and benefits of the proposed contracts, and believes the contracts are appropriate.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Grimes, Iowa, that the City approves the collective bargaining agreement with the bargaining unit identified above for the period beginning July 1, 2023 through June 30, 2024.

PASSED AND APPROVED this 27th day of June 2023.

_____
Mayor Scott Mikkelsen

ATTEST:

_____
Rochelle Williams, City Clerk

AFSCME and CITY OF GRIMES, IOWA July 1, 2023 - June 30, 2024

ARTICLE I
RECOGNITION OF UNIT

Section 1. Recognition

The employer recognizes the Union as the sole and exclusive bargaining agent for the purposes of only those conditions of employment memorialized herein or otherwise required by law under Iowa Code Chapter 20 for:

All permanent full-time and part-time employees of the City of Grimes Public Works Department – Streets, Stormwater, Water, Storm Sewer, Sanitary Sewer, Utilities, and Parks maintenance divisions.

EXCLUDED: Employees in other departments of the City and the following employees from the Public Works Department - Director, Operations Superintendent, Projects Coordinator, and other management, supervisory, and office clerical employees.

Section 2. Non-Discrimination

The Employer and the Union agree that there will be no unlawful discrimination against any Employee as to hiring or termination, wages, training, upgrading, promotion, transfer, layoff, discipline or otherwise because of age, race, creed, color, sex, sexual orientation, gender identity, national origin, religion, or disability; nor will there be any effort or attempt to cause such discrimination. The Union agrees to cooperate fully in any lawful affirmative action program or action undertaken by the Employer.

Section 3. Sub-contracting

The Employer agrees that no current Public Works personnel will be terminated due to the sole condition of their current work being contracted to outside private sources.

ARTICLE II
SETTLEMENT OF DISPUTES – GRIEVANCE AND ARBITRATION PROCEDURE

Section 1. Grievance and Arbitration Procedure

Any and all grievances or disputes arising between the parties regarding the application, meaning or interpretation of this agreement, personnel practices, rules or regulations of the Employer, or any and all other claims that may arise, whether in contract, tort, or by statute and arising from any Employee's employment, not otherwise excluded by Iowa or federal law, including but not limited to any civil rights claims or allegations under municipal, state, or federal law, including Title VII of the Civil Rights Act of 1964, as amended, including the Equal Employment Opportunity Act of 1972, the Age Discrimination in Employment Act of 1967, as amended, the Americans with Disabilities Act of 1990, as amended, the National Labor Relations Act, as amended, the Employee Retirement Income Security Act of 1974, as amended; the Family and Medical Leave Act, the Worker Adjustment and Retraining Notification Act of 1988, the Iowa

Civil Rights Act, Iowa Code Chapters 91A and 91B, or any other alleged violation of any municipal, state, or federal law, including any claim for monetary damages, shall be settled in the following manner:

Step 1. The grievance shall be written on a form provided by the Union. The Employee, with the Union Steward, shall take up the grievance or dispute with the City Administrator within fifteen (15) working days of the date of the grievance or the Employee's knowledge of its occurrence. The City Administrator shall attempt to adjust the matter and shall respond in writing to the Employee and the steward within ten (10) working days.

Step 2. If the grievance has not been settled, it shall be presented to the Mayor within ten (10) working days of the City Administrator's response to Step l. The Mayor shall respond in writing to the Employee and the steward within ten (10) working days.

Step 3. If the grievance is still unsettled, either party has fifteen (15) days after the reply of the Mayor is due, by written notice to the other, to request arbitration. No arbitration shall commence unless and until the matter is referred to, and both parties participate in good faith in, mediation. The mediation process shall not interfere with the scheduling of an arbitration. The requesting Party shall request a panel from the Public Employment Relations Board ("PERB"), the Federal Mediation and Conciliation Service (hereinafter called the "FMCS") or other mediation group agreed to by the Parties. The mediator shall be selected by alternate striking from the list until one name remains. The mediator shall have no authority to bind either Party to any outcome.

The arbitration proceeding shall be conducted by an arbitrator to be selected by the Employer and the Union. The Public Employment Relations Board shall be requested by either or both parties to provide a panel of five (5) arbitrators. Both the Employer and the Union shall have the right to strike two (2) names from the panel.

The party to strike first shall be determined by coin toss. The parties also have the option to agree on one (1) of the names on the panel as being the arbitrator.

The decision of the arbitrator shall be final and binding on the parties. In questions involving back pay, the arbitrator shall be limited to providing back pay for a period not to exceed ten (10) days prior to the filing of the grievance.

Expenses for the arbitrator's service and the proceedings shall be borne equally by the Employer and the Union. However, each party shall be responsible for compensating its own representatives and witnesses.

Section 2. Sanctions

Failure by an Employee or the Union to comply with the above provisions shall constitute a withdrawal of the grievance. If the Employer fails to comply with the time limits the grievance is automatically moved to the next step.

Section 3. Time Limitations

Time limits may be extended only upon the mutual agreement of the parties.

Section 4. Processing Grievance During Working Hours

Each Union Steward may investigate and process grievances involving department Employees during working hours without loss of pay. In each case, the steward shall notify the City Administrator and time shall be allowed, provided the work load permits.

Section 5. Grievance Meetings

Meetings may be scheduled during working hours upon mutual consent of the parties in an attempt to resolve grievances.

Scheduling of such meetings shall not cause a loss of compensation.

ARTICLE III
HEALTH AND WELFARE

The Employer shall establish and maintain a group medical health program for each permanent Employee effective on the first day of the first month following their initial month of employment.

The Employee shall have the cost for such insurance deducted from each paycheck, with the Employee's contribution for family coverage during the life of this Agreement to be $170 per month for family and $100 per month for single coverage. The Employee shall have the cost for such insurance deducted from each paycheck.

The plan design shall provide for $20 office visit and urgent care co-pays, and a deductible of $1,750 for single coverage and $3,500 for family coverage.

Employer retains the right to select the health insurance carrier provided that it shall maintain 30 percent co-insurance coverage and if such coverage is no longer available or premiums increase more than 15 percent on an annual basis, Employer and Union agree to reopen this Article.

ARTICLE IV
WAGES

Section 1. Wage Schedules

Beginning July 1, 2022, Employees shall be compensated according to the salary and corresponding hourly rate with the wage schedule attached to this Agreement and marked Appendix A.

Section 2. Wage Ranges.

The Employer agrees to adopt the wage ranges proposed by the Union which are reflected on Appendix B, and which reflects a four percent increase to wage ranges effective July 1, 2023, and with adjustments otherwise in keeping with the City’s compensation system.

For purposes of this paragraph, wage rates employed in this paragraph are set out in Appendix B, and are incorporated herein by reference.

IN WITNESS WHEREOF, the parties have caused this agreement to be signed by their chief negotiators with the full authorization of their respective parties. Both parties agree that the provisions and terms of this agreement shall become effective

July 1, 2023, through June 30, 2024.

CITY OF GRIMES

By_____

Erik Fisk
Chief Negotiator, Human Resources Director, City of Grimes

AFSCME

By_____

_____, Chief Negotiator

DATE_____

APPENDIX A

Wages Effective July 01, 2023 (with 4.0% ATB contract increase)

Employee		FY23	FY24	
Garrett	Bertholf	$26.83	same	*hired 3/10/23, adjusted at six months*
Heath	Coenen	$30.1000	$31.6050	
Daniels	Kendra	$25.1900	$27.0793	
Nicholas	Duckett	$27.1500	$28.7790	
Rory	Echer	$29.7000	$31.1850	
Brad	Feick	$28.1700	$30.2828	
Alfonso	Flores-Garcia	$23.3400	same	*hired 5/15/23, adjusted at six months*
Dallas	Ford	$23.9900	same	*hired 1/9/23, adjusted at six months*
Nathan	Gettys	$28.1800	$29.8708	
Alex	Goodvin	$27.6700	$29.3302	
James	Greiman	$31.2000	$32.4480	
Kent	Kanealy	$31.1500	$32.3960	
Mahlon	Kurtz	$29.9100	$31.4055	
Saul	Olguin Fajardo	$30.1000	$31.6050	
Josh	Prohaska	$29.0500	$30.7930	
Matt	Reints	$24.5500	$26.3913	
Dani	Scott	$26.8300	same	*hired 1/17/23, adjusted at six months*
Austin	Teig	$27.1500	$28.7790	

APPENDIX B
WAGE RANGES
FY24

I. Street Technician

$50,489.09 to $65,328.64, annually

$24.27 to $31.41, hourly

II. Utility Locator/Street Tech

$50,597.25 to $70,260.32, annually

$24.33 to $33.78, hourly

III. Water Laborer/Storm Water Laborer

$51,895.17 to $71,385.60, annually

$24.95 to $34.32, hourly

IV. Utility Locator

$58,038.66 to $75,121.20, annually

$27.90 to $36.14, hourly

V. Water Operator/Storm Water Operator

$58,038.24 to $74,089.60, annually

$27.90 to $35.62, hourly

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 6/27/2023

AGENDA ITEM: Resolution Approving 28E Agreement with Johnston for Fire and EMS Services

BACKGROUND: The resolution approves and authorizes the Mayor to execute the agreement pursuant to Chapter 28E of the Iowa Code that provides Grimes and Johnston will partner to jointly deliver Fire and Emergency Medical Services to the fire district.

The cities have increasingly partnered for Fire and EMS services since 2007. In 2021 the Cities initiated a study with ESCI to examine the partnership and offer recommendations. In 2022 the results of that study were presented to a joint meeting of the Johnston and Grimes City Councils. The principal finding of that study was that the cities should move toward further consolidating the service to improve the administrative, finance, and governance aspects of the partnership.

By October of 2022 the City Administrators had worked through an initial draft of the 28E and presented it to the Fire Board. Shortly thereafter, the Grimes City Council remanded the draft back to staff and directed further edits be made to better align the agreement with the findings of the ESCI report and the City's strategic priorities.

By May of 2023 the City Administrators had completed that additional work and presented their revised proposal to the Fire Board. The Grimes City Council reviewed the draft in a workshop on May 9 and offered minor revisions. The Fire Board reviewed those revisions and on May 16 and recommended that each City Council approve and execute the new 28E agreement.

The proposed 28E will establish Johnston as the Administrative City for the term (10 years) of the agreement, however that arrangement will be reviewed by the Fire Board every 5 years. The City of Johnston will establish an agency fund that both communities will contribute dollars to, both to create a fund balance equal to 25% of the department's annual expenses, and on an ongoing basis to support the Fire District. Contributions will be based on a formula that considers population, taxable valuation, calls for service, and service territory. The formula is updated annually and currently calls for the cost of Fire and EMS service to be split roughly 60% Johnston, 40% Grimes. The cost of Fire Prevention services is shared based on the number of permits issued, plans reviewed, and inspections done in each city. The Administrative City will be the employer for the members of the department and will insure the equipment. The real estate (fire stations) remains the responsibility of each respective city.

The Fire Board will be the policy making body for the Fire District it will be comprised of 3 members representing each community and the Chairperson will have the authority to break tie votes. The Chair will rotate between cities every two years. The City Administrators will no longer be board members but may vote as an alternate in the event a board member from their city is absent. The City Administrators will make up a Management Committee that will assist

the Chief in formulating recommendations to the Board, review the Chief's performance, and make recommendations to the board concerning the chief's appointment, termination, and compensation. The Management committee will also hear matters of management appealed beyond the Fire Chief.

BUDGETARY CONSIDERATIONS: The reserve funds will require a budget amendment but otherwise the City has budgeted to support the Fire District in the next fiscal year.

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services___**X**__
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S): Fire Board recommends approval.

STAFF RECOMMENDATION: Staff recommends approval.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Jake Anderson, City Administrator
janderson@grimesiowa.gov
515-986-3036

Prepared by: Jake Anderson, City Administrator
Return to: Jake Anderson, City Administrator

Resolution 06-4223

A RESOLUTION AUTHORIZING THE RENEWAL OF A NEW AGREEMENT BETWEEN THE CITY OF GRIMES, IOWA AND THE CITY OF JOHNSTON, IOWA FOR THE SHARING OF ADMINISTRATIVE RESOURCES AND EQUIPMENT SUPPORTING FIRE AND EMERGENCY MEDICAL SERVICES (EMS)

WHEREAS, the current 28E Agreement between Johnston and Grimes that governs the Fire Department is about to expire; and

WHEREAS, the Fire Board has been reviewing and discussing the updated agreement; and

WHEREAS, at the May 16, 2023 meeting the Fire Board unanimously recommended approval of the agreement; and

WHEREAS, the City Attorney has reviewed the agreement and with minor changes approves of the language as presented; and

WHEREAS, the agreement will improve overall efficiencies Fire and Emergency Medical Services.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF JOHNSTON, IOWA, that:

Section 1. The Mayor sign the agreement between Johnston and Grimes for the sharing of administrative resources and equipment supporting Fire and EMS services and the City Clerk file the agreement with the State of Iowa.

Section 2. City Staff is hereby authorized and directed to take the necessary measures to effectuate the provisions of the 28E, including the transferring of ownership of any fire and rescue equipment, including the transferring of ownership of any fire and rescue equipment, the reduction of Grimes Fire Department employee positions, and the administrative reconfiguration of Grimes payments for fire and rescue services.

PASSED AND APPROVED this 27th day of June 2023.

_____
SCOTT MIKKELSEN, MAYOR

ATTEST:

_____
ROCHELLE WILLIAMS, CITY CLERK

AGREEMENT BETWEEN THE CITY OF GRIMES, IOWA AND THE CITY OF JOHNSTON, IOWA FOR THE SHARING OF ADMINISTRATIVE RESOURCES AND EQUIPMENT SUPPORTING FIRE AND EMERGENCY MEDICAL SERVICES (EMS)

This Agreement is made and entered into on this ____ day of _____ , 2023, by and between the City of Grimes, located in Polk County and Dallas County, Iowa ("Grimes"), and the City of Johnston, located in Polk County, Iowa ("Johnston"), pursuant to the provisions of Chapter 28E, Code of Iowa.

WHEREAS, since 2007, Grimes and Johnston have provided fire and Emergency Medical Services (EMS) services through a 28E agreement. The agreement was updated in 2010, 2013, 2017, 2020 ("Existing 28E Agreement"); and,

WHEREAS, the Existing 28E Agreement provides for unified fire and EMS services; and,

WHEREAS, the Existing 28E Agreement expires on June 30, 2023; and,

WHEREAS, the communities of Grimes and Johnston are experiencing significant growth and the demands for fire and EMS services has increased significantly; and,

WHEREAS, the call volume for fire and EMS services has increased due to the growth in population, residential, and business expansion in both communities; and,

WHEREAS, to meet the demand for services, and to provide adequate coverage 24 hours a day, seven days a week, each community must rely on a combination of full time and part time personnel; and,

WHEREAS, in 2021 Grimes and Johnston contracted with ESCI (Emergency Services Consulting International) to complete an assessment of the operation of JGMFD to determine how the communities can enhance their level of cooperation to create more efficient and cost-effective services to meet the fire and emergency medical needs of the growing communities; and,

WHEREAS, Grimes and Johnston desire to increase the level of coordination and cooperation in the delivery of fire and EMS services and progress toward complete consolidation in the operation of the departments; and,

WHEREAS, by approving this Agreement, the cities of Grimes and Johnston support increasing the level of coordination and cooperation with the intent to modify existing practices to allow the unified fire and EMS service more comprehensive strategic and capital planning from a single organization/joint community perspective.

NOW THEREFORE, the cities of Grimes and Johnston agree as follows:

I. PURPOSE

The purpose of this Agreement is to facilitate the sharing of administrative resources, staff, and equipment to support the joint provision of fire and EMS services for Grimes and Johnston for the protection of life and property. This Agreement will increase the level of coordination and cooperation of the cities and is an interim step toward exploring the creation of a separate entity governed by a Board of Directors. The unified fire and EMS service shall be known as the Johnston-Grimes Metropolitan Fire District (JGMFD).

II. DEFINITIONS

1. **Administrative City**. The city that provides administrative oversight, payroll, human resource, information technology, and legal support for the JGMFD. The City of Johnston shall be the Administrative City for JGMFD and hereby consents to such designation.

2. **Calls for Service.** The fire and EMS calls responded to within the service area of the JGMFD. The current service area of the JGMFD is reflected in the attached Exhibit A, by this reference incorporated herein. The service area may grow over time due to annexations by either member city.

3. **Capital Expenditures.** Equipment purchases in an amount more than $5,000 or purchases that are beyond what is included in the operating budget.

4. **Emergency Medical Services (EMS).** Responding to a medical emergency and/or transporting a patient to the hospital.

5. **Fiscal Year.** The annual operating budget begins on July 1 of each year and runs through June 30 the following year.

6. **Funding Formula.** Every year by October 30th, a funding formula shall be calculated to allocate the next fiscal year's funding and expenses for JGMFD between the two cities. The Fire Board shall approve the funding formula annually, which will be based on four equal factors:

    - The number of calls for service provided within each city in the previous fiscal year ending on June 30th.
    - The latest population estimate of each city from the U.S. Census Bureau as of June 30th.
    - The then-current city limits of each city, in square miles as of June 30th.
    - The 100% valuation of each city with Gas and Electric (G&E) Utilities for the current fiscal year, as available from the Iowa Department of Management's Local Government Valuation & Finance System.

7. **Infrastructure Value.** An accounting of the value of each existing capital item and operating equipment used by JGMFD for the purpose of providing fire and EMS service with a value more than $5,000. Each city will maintain the value of their existing buildings that is used by JGMFD.

8. **The Johnston Grimes Metropolitan Fire District (JGMFD).** A unified fire and EMS service serving the communities of Johnston and Grimes. The JGMFD is created by 28E Agreement and is not a fire district pursuant to Iowa Code chapter 357B or an emergency response district pursuant to Iowa Code chapter 357J. The JGMFD is not a separate legal entity.

9. **Operating Costs.** The total of all personnel and operating expenses of JGMFD. This does not include any outstanding debt obligations of either city that exists at the time this Agreement is executed.

10. **Revenue.** All funds, other than property taxes, received from billing which includes JGMFD fees, ambulance billing, fire reports, standby fees and any other charges for fire department services.

III. FIRE BOARD

1. The Fire Board shall be the policy-making authority of the JGMFD and shall be responsible for administering the joint undertaking. The Board shall be the visionary body for the Johnston-Grimes Metropolitan Fire District and shall consist of six (6) voting members and the Fire Chief (non-voting) or his/her designee. Each city shall appoint three residents as representatives to the Fire Board. It is encouraged that the Fire Board members be elected officials (mayors and councilmembers); however, up to one citizen member may be appointed from each city. No more than two councilmembers from each city may be appointed to the Fire Board to prevent a quorum of a City Council. In appointing representatives to the Board, the Mayors will strive to maintain gender balance. No employee, or family member of an employee, of JGMFD may serve as a voting member of the Board. The City Administrator from each city will serve as an alternate Fire Board member and will assume the position of any one absent Fire Board member from their respective community. The City Administrators and Fire Chief shall ensure the actions of the Board are administered as directed by the Board.
    a. The chair and vice-chair of the Fire Board shall rotate every two years between the cities of Johnston and Grimes. From July 1, 2023, until December 31, 2023, representatives from the City of Johnston will serve as the first board chair and vice-chair. Beginning January 1, 2024, representatives from the City of Grimes will serve as the board chair and vice-chair for the first full two-year term. Subsequent terms will rotate between the two cities every two years. The Mayor of the respective city, whose year it is to serve as the chair and vice-chair, will choose the board chair and vice-chair, which may include the Mayor themselves. If the board chair is absent during a Fire Board meeting, the vice-chair will serve as the board chair. In the event of a tied vote of the Fire Board, the board chair presiding over the meeting will have an additional vote and may choose to cast it to break the tie.
2. The Board shall meet as necessary, but no less than once every other month at a time and place as determined by the Board.
3. Duties of the Board:
    a. As framed and recommended by the Fire Chief, review community risks and set appropriate policies for the provision of Fire and EMS services in the service area.

b. Participate in strategic planning of the JGMFD including staffing, equipment, buildings, operations, and adopt the strategic plan for the JGMFD.
c. Review and approve for submission to each City Council the annual budget, budget amendments, capital purchases and infrastructure expenditures requested by the Fire Chief.
    i. In order to ensure long term stability and sustainability of JGMFD, there are a number of considerations that should be made in the area of budgeting and finance to prevent or limit JGMFD's overall budget from growing faster than the other budget areas of both cities. In developing the annual budget, the Fire Chief should consider the following:
        1. Forecasting future costs: JGMFD should make projections of its future costs to ensure that its budget is sustainable in the long term. This includes considering factors such as inflation, population growth, and changes in service demand. It is also understood by both parties that adding staff is required in multiples due to the nature of shift work (i.e., multiples of 3 required to add one new position on each shift) and staffing requirements for various new services (i.e., two individuals are required to operate a new ambulance, which in turn requires a total of 6 new positions).
        2. Prioritizing needs: JGMFD should prioritize its needs based on its mission, the community it serves, and the risks it faces. This can help ensure that resources are allocated to areas that are most critical to JGMFD's operations.
        3. Considering funding sources: JGMFD should consider all potential sources of funding, including grants, user fees, and partnerships with other agencies. This can help ensure that JGMFD's budget is diversified and not overly reliant on any one source.
        4. Evaluating efficiency and effectiveness and controlling costs: JGMFD should evaluate the efficiency and effectiveness of its operations regularly to ensure that it is making the most of its resources by finding ways to reduce waste, increase efficiency, streamline operations and other areas. This can also include analyzing response times, resource utilization, and other performance metrics. This can help ensure that JGMFD's budget is sustainable in the long term.
        5. Engaging stakeholders: JGMFD should engage with stakeholders, including elected officials, community leaders, and residents, to ensure that its budget is aligned with the needs and priorities of the community. This can help build support for JGMFD's budget and ensure its long-term sustainability.
        6. Monitoring budget growth: JGMFD should monitor its budget growth over time to ensure that it is not growing faster than the overall city budget for both cities. This can help ensure that JGMFD's resources are being used efficiently and effectively.
    ii. Annually, by September 30th, the Fire Chief shall deliver to the Fire Board a proposed JGMFD budget for the next fiscal year for their review and approval.

iii. The Fire Board shall hold a public hearing on the proposed budget prior to approving the proposed JGMFD budget. Notice shall be published in the legal newspaper of the Administrative City not less than four nor more than twenty days before the public hearing. Notice shall also be posted on JGMFD's website and Facebook account not less than four nor more than twenty days before the public hearing.

iv. At the public hearing, the Fire Board shall clearly identify and consider the following:
    1. Information related to how the budget has changed over the past 5 years for JGMFD as a whole and for each city respectively.
    2. Performance against the current and prior 5 budgets, including necessary amendments and over/under line-items.
    3. The change in the funding formula variables for each city over the past 5 years, including the ability of the member cities to contribute additional dollars and how the workload/responsibility for JGMFD has changed.
    4. A curated report on the number of calls for service and the degree of change over the last 5 years.

v. Upon approval by the Fire Board, the Administrative City shall deliver a proposed JGMFD budget for the next fiscal year to the City Administrator of each city by November 15th for their review. The proposed budget is subject to the approval of each respective City Council.

vi. If the proposed JGMFD budget is not approved by both the Grimes and Johnston City Councils, the JGMFD budget for the current year shall be adjusted to the higher of inflation (Consumer Price Index for All Urban Consumers (CPI-U) for the Midwest Region from December of the previous calendar year) or the percentage increase of wages for the paramedic/firefighter position as set out in the collective bargaining agreement, and shall remain in effect until approval of a new JGMFD budget is given by both City Councils.

vii. Budget amendments may be proposed by the Fire Board. Budget amendments shall be subject to the same notice and hearing requirements as the original budget. The approved JGMFD budget may be amended only with the approval of both City Councils.

viii. Annual budgets and budget amendments should avoid the need to raise property tax rates or require deficit spending by either city.

d. Review the capital and infrastructure needs including building expansions, future building locations, equipment needs, and make recommendations to the City Councils.

e. Review and recommend the staffing needs and staffing plans for JGMFD, subject to City Council approval of each city.

f. Review and approve job descriptions with administrative responsibilities for employees assigned to the JGMFD.

g. Follow the rules as established by Iowa Code Chapter 21 (Open Meetings) and Chapter 22 (Open Records).

h. The Fire Board will review and consider proposals for expanding personnel and make recommendations for funding to the City Councils.

i. Annually the Fire Board will make a recommendation to the City Councils on the number of authorized positions for JGMFD.
j. The Fire Board will review the administrative structure and Table of Organization of the JGMFD and approve the structure and number of employees authorized to be employed by JGMFD, subject to City Council approval of each city.

IV. MANAGEMENT COMMITTEE

1. The Management Committee will consist of the City Administrators of each community. The purpose of the Management Committee is to review and make decisions and recommendations regarding personnel issues, in conjunction with the HR directors of both communities; address administrative issues; assist the Fire Chief in the formulation of policy proposals; and provide the annual review and disciplinary action, up to and including termination, of the Fire Chief.
2. The Management Committee shall meet at least once a month.
3. Duties of the Management Committee:
    a. With approval of the Fire Board, appoint a Fire Chief and define the Fire Chief's duties.
    b. Assist the Fire Chief in formulating policy, proposals, and recommendations to the Board;
    c. Conduct the Fire Chief's annual review and make recommendations to the Board concerning the Chief's compensation.
    d. Decide and carry out any necessary disciplinary action, up to and including termination, of the Fire Chief. Termination of the Fire Chief shall be subject to approval of the Fire Board.
    e. When appropriate, hear and decide personnel matters and other issues of management appealed beyond the Fire Chief.
4. The Fire Chief will apprise the Management Committee of the following items:
    a. JGMFD operational issues, including but not limited to personnel, financial, and legal concerns.
    b. Review, discuss, and strategize the level of service and response models of the JGMFD.
    c. Review and ensure that the ordinances and other regulations of the two cities are recognized as being unique and correctly applied in both communities.

V. FIRE CHIEF

The Fire Chief shall perform all duties required of the Fire Chief by law or ordinance, as may be adopted by each respective city. The Fire Board shall ensure that the ordinances adopted by each respective city are consistent with respect to the duties of the Fire Chief.

VI. OPERATIONS

1. The JGMFD operates out of three (3) stations currently serving the JGMFD service area: stations 37, 38, and 39. All current and future stations are stations to the whole of the service area and shall respond accordingly to emergency and non-emergency calls for services without respect to city or township boundaries as set forth by the Fire Chief.

2. Employees of the JGMFD may be assigned throughout the service area to meet the operational needs set forth by the Fire Chief. Station assignments may consider the preferences of the employees and be done through a process considering service needs and seniority.

VII. ROLE OF THE CITY PROVIDING ADMINISTRATIVE SUPPORT

The Administrative City shall provide support services for the JGMFD. Support services include finance, payroll, human resources, information technology, and legal support. The Administrative City shall also provide professional liability, auto liability, general liability, and umbrella liability coverage for all JGMFD operations, including insurance coverage for damage to buildings and equipment.

It is agreed that:

1. For purposes of bidding of equipment and capital purchases, the Administrative City shall act as the contracting authority for JGMFD and will advertise for and hold the letting of all required bids.
2. Subject to review by the Fire Board, the Administrative City shall employ under its Policies and Procedures all regular and probationary employees needed for the operation of JGMFD to carry out the purposes of this Agreement.
3. The Administrative City shall employ and manage all personnel pursuant to its employee and administrative policies and procedures, union contracts, city ordinances and other applicable laws.
    a. The parties agree that Grimes shall no longer employ JGMFD employees after January 31, 2024, or such other date as shall be mutually agreed upon by the City Administrators of both cities.
    b. If JGMFD employees are covered by a collective bargaining unit, union contracts shall be ratified only after an affirmative vote of the Fire Board and by the City Council of the Administrative City.
4. The Administrative City shall provide for accounting practices and financial tracking of JGMFD activities separately from other Administrative City activities. Annually, the Administrative City shall deliver an annual financial report to the Fire Board for review following the completed audit of the previous fiscal year.
5. The Administrative City shall have custody of and maintain all books and records of JGMFD on behalf of both cities. Both cities shall have the right, at any time upon reasonable notice, to review and inspect the books and records of JGMFD.
6. Pursuant to policies and procedures adopted by the Fire Board and the JGMFD budget, the Administrative City shall, through its accounts payable system, pay all bills of JGMFD.
7. The Administrative City shall provide professional services to include, but not limited to, human resources, finance - including payroll and accounting, and legal services. These services are provided at cost to JGMFD by the Administrative City, and shall be re-evaluated annually. The Administrative City shall keep all members apprised of issues through the Management Committee.
8. By September 30th each year, the Administrative City shall calculate the cost to provide administrative services and insurance coverage for the JGMFD. The Administrative City shall provide the cost share for the support services for review by the Fire Board. By

November 15th, the Fire Board shall make a recommendation to each City Council for the cost share for administrative services.

9. Information technology (IT) services are covered under a separate memorandum of understanding (MOU) between JGMFD and the chosen IT service provider.
10. The Fire Board shall review the designation of the Administrative City every 5 years. It is understood that changing the Administrative City will have a significant impact on various areas such as personnel, finance, HR functions, contracts, and others, making it an unusual event. Any change to the Administrative City shall only occur upon the approval of both City Councils.

VIII. ACCOUNTING OF BENEFITS

Property taxpayers of Grimes and Johnston benefit from this Agreement due to cost savings and efficiency in sharing services, staff and the administration of JGMFD compared to operating separate fire departments. Joint staffing, maintenance of facilities and equipment, provision of administrative oversight, and joint purchasing and operations contribute to a more streamlined and cost-effective operation.

Citizens benefit from improved efficiency and response capability from a consolidated organization. Joint response provides for efficiency in the number of units and trained personnel responding to a call which has a positive impact on response times and level of care.

IX. FINANCES

1. Following the practices outlined in the Existing 28E Agreement dated May 26, 2020 each city shall be responsible for their own operating costs, revenue, and billing for services from July 1, 2023, through the date the City of Grimes no longer employs JGMFD employees.

2. Starting on the date the City of Grimes no longer employs JGMFD employees, all operating costs, revenue, and billing for services provided by the JGMFD shall be administered through the Administrative City.

3. The Administrative City shall establish and maintain separate funds and/or sub-funds, within it accounting software, exclusively for the operations and capital expenditures for JGMFD.

4. A reserve fund shall be established for JGMFD in the amount of 25% of its annual operating budget. Each city shall contribute to the fund based on the Funding Formula. The initial operational reserve fund shall be based on the combined FY2023/2024 JGMFD budget for each city, and each city shall make its proportionate share of the initial reserve fund a minimum of 15 days before the City of Grimes no longer employs JGMFD employees. For subsequent budget years, if it is projected that the ending balance for JGMFD will fall below 25%, each city shall make its proportionate share to bring the fund back to 25% before the start of the fiscal year, on or before June 15th. If it is projected that the ending balance for JGMFD will be above 25%, each city's monthly contribution for the upcoming year shall be reduced so that the projected balance returns

to 25%. Interest or other investment returns shall be maintained in the separate funds or sub-funds created by the Administrative City for the benefit of JGMFD.

5. The Administrative City shall transfer on a monthly basis on or before the fifteenth (15th) day of each month its share of the JGMFD budget divided by twelve (12) into the exclusive JGMFD fund and/or sub-funds.

6. The Non-Administrative City shall remit payment to the Administrative City on a monthly basis on or before the fifteenth (15th) day of each month its share of the JGMFD budget divided by twelve (12) to be deposited into the exclusive JGMFD fund and/or sub-funds. The Administrative City shall provide the Non-Administrative City with monthly statements of actual costs incurred.

7. Any difference between actual and budgeted expenditures shall be an adjustment to the following year's payment of costs on a pro-rata basis.

8. The Administrative City shall employ all personnel. Their work will be assigned to include all duties for which they are qualified. All employees shall be compensated from the Administrative City in conformance with requirements of the Fair Labor Standards Act (FLSA).

9. All personnel costs (wages and benefits), except for the Fire Marshall, Deputy Fire Marshall, and/or other fire prevention staff positions, shall be based on the Funding Formula.

10. Personnel costs (wages and benefits) for the Fire Marshall, Deputy Fire Marshall, and/or other fire prevention staff shall be based on the proportional share of Fire Prevention Activities provided to each city in the previous fiscal year ending on June 30th. A true-up payment shall be made at the end of the fiscal year to balance the proportional cost share based on actual Fire Prevention Activities performed for each city. Personnel costs for fire prevention staff shall be estimated each year based on the prior year's Fire Prevention Activities.

    a. Fire Prevention Activities shall be tracked utilizing a Fire Prevention Activity Report, an example of which is attached hereto as Exhibit B. The Fire Prevention Activity Report, and the specific activities being tracked, may be amended from time to time by the Fire Board.

    b. Upon request, regular office hours for fire prevention services shall be provided in the development services offices of each member.

11. A complete inventory of the infrastructure and equipment utilized by JGMFD (items more than $5,000 in value) shall be maintained by JGMFD. Initially each city shall retain ownership of their original infrastructure and equipment. Expenditures made after July 1, 2023, for infrastructure and equipment over $5,000, shall follow the Funding Formula and be owned by the Administrative City, for the benefit of JGMFD. On July 1, 2024, each city shall transfer, except for real estate and buildings, all assets and equipment used solely by JGMFD to the Administrative City for the benefit of JGMFD. The current

equipment and depreciation schedule of the two cities will be reviewed and a true-up payment may be necessary if there is an imbalance. The value of the equipment shall be determined based on a depreciation schedule using the straight-line method and the depreciation rate shall be based on the industry standard expected life of each piece of equipment.

If there is an imbalance in the value of the equipment being transferred by one city over the other city, a true-up payment shall be made to the other party to balance the value of the equipment being transferred, following the funding formula set in September of 2022 (38% Grimes/62% Johnston). The true-up payment shall be calculated as follows:

> True-up payment = ([Total depreciated value of equipment from both communities]*[Funding Formula Percentage]) - [Total depreciated value of equipment from the city]

Any required true-up payment shall be made by October 31, 2024.

If JGMFD dissolves, the two cities shall divide equipment following provisions outlined in this section using the then current Funding Formula. The Fire Chief shall maintain an inventory of the equipment and infrastructure owned by each city and owned by the Administrative City for the benefit of JGMFD. The inventory shall be updated by June 30 each year and reported to the Board. This provision shall survive the termination or expiration of the Agreement.

12. The JGMFD will create and maintain a Capital Equipment Program (CEP) and a Capital Improvement Program (CIP). The CEP and CIP program documents shall include recommendations for funding. The Fire Board shall review and consider the CEP and CIP on an annual basis and provide the plans to each City Council for funding consideration.

13. Each city shall be responsible for its pro rata allocation of costs for CEP and CIP purchases and expenditures. These costs shall be shared pursuant to the Funding Formula.

14. All stations will operate as shared stations. Expenses to operate the stations will be based on the Funding Formula described in section II.6. Items included in the operating expenses include, but are not limited to, heat, electricity, vehicle fuel, phone/internet service, computer software and licensing, computer hardware, insurance, and consumables (toilet paper, paper towels, laundry soap, etc.).

15. The renovation of Station 37 or building a new station to accommodate the need for 24-hour staffing shall be the sole responsibility of the City of Grimes.

16. Any additions to Station 38 will be planned and budgeted for by both cities. The Fire Board will determine the percentage of the share cost, if any.

17. The renovation of Station 39 shall be the sole responsibility of the City of Johnston.

18. In the event this Agreement is terminated, each city shall be given 180 days from the date of notice to pay, to the other city, their respective depreciated balance of equipment or infrastructure owned by the Administrative City for the benefit of JGMFD.

X. FUTURE DEVELOPMENT OF A CONSOLIDATED FIRE DEPARTMENT

Grimes and Johnston recognize that joint planning, development and funding of fire protection, emergency response capabilities and facilities benefit residents of both communities through economies of scale, improvement in response performance, and training of staff. The communities agree to continue discussions focused on opportunities to expand the joint provision of Fire and EMS services.

Each decision regarding personnel, finance and equipment shall be made considering the goal to increase the level of coordination and cooperation between the communities. The Funding Formula should be considered as decisions are made regarding what percentage of the operational, personnel and equipment costs will be paid by each city.

1. During this contract period, the JGMFD will evaluate the capital equipment (CEP) and infrastructure needs (CIP). Once approved by the Fire Board, the plan will be presented to the City Councils for review, consideration, and funding commitment. An interim goal is to complete and implement the plan by June 30, 2024.

2. During this contract period, the JGMFD will evaluate the growing staffing needs of JGMFD, create a plan to address the growth, and present the plan to the Fire Board for consideration. Once approved by the Fire Board, the plan will be presented to the City Councils for review, consideration, and funding commitment. An interim goal is to complete and implement the plan by June 30, 2026.

3. During this contract period, the Fire Board will study converting JGMFD to a single independent organization (as recommended as Option 4B in the 2022 ESCI report). An interim goal is to complete the study and consider implementation by June 30, 2028.

XI. DURATION AND TERMINATION

1. Initial Term. This Agreement shall commence on July 1, 2023 and expire on June 30, 2033.

2. Early Termination. This Agreement may be terminated at the written request of either party during the Initial Term. During the Initial Term, each party must provide at least eighteen months (one year and six months) written notice if they intend to terminate the Agreement and the termination shall not go into effect prior to the end of a fiscal year (June 30). Unless the termination is mutually agreed upon, in recognition of the financial cost of implementing this Agreement the city requesting termination will be subject to an early termination fee. The early termination fee shall be $500,000 and will decrease $50,000 per year of the Initial Term. No early termination fee shall be due once the initial 10-year term is completed.

3. Renewal Terms. This Agreement shall be renewed automatically for succeeding terms of two (2) years each unless either party gives written notice to the other at least eighteen months (one year and six months) prior to the expiration of any term.

4. Any financial obligations entered during this Agreement, prior to the expiration date, shall remain the obligation of each party.

XII. INDEMNIFICATION

For actions and omissions under and exercised in effectuating this Agreement, each city agrees to defend, indemnify and hold the other city, their elected officers, agents, employees and successors and assigns, harmless from and against all claims, demands, actions and/or causes of action, judgments, settlements, or other costs, including reasonable attorney's fees, which the other city, their successors and assigns, may incur or sustain a) by reason of the indemnifying city's breach of this Agreement or failure to legally or timely meet the responsibilities imposed herein (including, but not limited to, any financial obligations herein), or b) by reason of the torts of the indemnifying city.

Each city shall defend, indemnify and hold the other city harmless from and against any and all claims, demands, causes of action, liability, loss, damage, or injury ("claims"), both to person and property, arising out of or related to this Agreement, to the extent such claims are attributable to the negligent or willful misconduct of the indemnitor; provided, indemnitee gives the indemnitor prompt notice of any such claims and all necessary information and assistance so that indemnitor, at its option, may defend or settle such claims and indemnitee does not take any adverse position in connection with such claims. In the event that any such liability, loss, damage or injury is caused by the joint or concurrent negligence or willful actions of the cities, the loss, expense or claim shall be borne by each city in proportion to its negligence or willful action. Nothing in this Section shall be deemed to limit the right of a city to defend against any claim or the application of any and all available protections and defenses under state and federal law, including, but not limited to, the Iowa Torts Claims Act.

Johnston and Grimes agree that any and all costs related to any claims, demands, actions and/or causes of action, judgments, settlements, or other costs, including reasonable attorney's fees, incurred or sustained by either city related to the operations of JGMFD, not attributable to the negligence or willful misconduct of either or both cities, shall be shared between the two cities pursuant to the Funding Formula.

XIII. DISPUTE RESOLUTION

The parties shall endeavor in good faith to resolve claims, disputes and other matters in question between them by mutual agreement and, in the event they cannot agree, shall submit same to mediation which shall be in accordance with Iowa Code Chapter 679C, unless otherwise mutually agreed by the parties. A request for mediation shall be given in writing to the other party to this Agreement. The parties shall mutually agree upon a mediator within thirty (30) days of receipt of the written request for mediation. Mediation shall be a mandatory prerequisite to litigation or other means of dispute resolution.

The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in a mutually agreeable location. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

Any legal claim brought under this Agreement shall be filed in the Iowa District Court in and for Polk County, unless otherwise mutually agreed to by the parties. **Each of the parties hereby irrevocably and unconditionally waives all rights to trial by jury in any action, proceeding or counterclaim arising out of or relating to this Agreement.**

XIV. AGREEMENT - METHOD OF APPROVAL

The City of Grimes and the City of Johnston hereto approve this Agreement by City Council Resolution, which Resolution shall authorize the respective Mayors to execute this Agreement.

XV. NOTICES

Any notice or demand required or desired to be given hereunder shall be in writing and deemed given when personally delivered or when deposited in the United States mail, postage prepaid, sent certified or registered, and addressed as follows:

If to Grimes, to:

City of Grimes
101 North Harvey
Grimes, Iowa 50111
Attention: City Administrator

With Copy to:

Thomas Henderson
Whitfield & Eddy, P.L.C.
699 Walnut, Suite 2000
Des Moines, Iowa 50309-4195

If to Johnston, to:

City of Johnston
P.O. Box 410
6221 Merle Hay Road
Johnston, Iowa 50131
Attention: City Administrator

With copy to:

Kristine Stone
Ahlers & Cooney, P.C.

100 Court Avenue, Suite 600
Des Moines, IA 50309-2231

or to such other address or person as hereafter shall be designated in writing by the applicable party.

XVI. EFFECT OF TERMINATION

In the event this Agreement is terminated by (a) mutual agreement of both cities or (b) by a single city giving a timely notice as provided immediately above, each city shall continue to remain liable for its pro rata portion of the JGMFD budget until termination takes effect eighteen (18) months thereafter. In the event of termination, a determination of the respective ownership of currently used equipment will be completed utilizing the depreciated pricing of the total assets and based on how JGMFD was funded following the formula discussed in section II.6. If monies are due from one city to the other city, repayment shall be made within 180 days of termination of the Agreement.

XVII. NOT A LEGAL ENTITY

This Agreement is a voluntary undertaking of the City of Grimes and the City of Johnston. It is not the intent of the two cities to create a new legal entity by this Agreement.

XVIII. CONFIDENTIALITY

Except with the prior written consent of the other city or to the extent required by law, each of Johnston and Grimes will keep confidential, and will not disclose or use for its benefit or the benefit of any third party, any confidential information obtained from the other city except in connection within the normal and lawful course of its business under this Agreement. Confidential information may include, without limitation, information about personnel or personnel matters, internal operating procedures, developing strategies, financial information, funding opportunities, and information the parties may obtain through the ordinary course and lawful interactions among employees of JGMFD.

Confidential information does not include information generally available to the public, public records pursuant to Iowa Code chapter 22, independently developed information and information already known by the receiving Party before entering into this Agreement or that is rightfully obtained by the receiving party from sources other than the other party to this Agreement. All confidential information furnished under this Agreement will remain the property of the furnishing party and shall be returned, upon request, to the furnishing party to the extent possible upon the expiration or termination of this Agreement.

For all confidential information shared under this Agreement, Johnston and Grimes agree to exercise all necessary diligence, protections, technology, or other safeguards to comply with its privacy obligations concerning employee information protected under Iowa Code Chapter 22.7 Confidential Records; the Americans with Disabilities Act (ADA), as amended; the Health Insurance Portability and Accountability Act of 1996 (“HIPAA”), the Fair Credit Reporting Act, and any related federal or state privacy or confidentiality laws and regulations.

XIX. NON-DISCRIMINATION IN EMPLOYMENT AND SERVICES

Both Johnston and Grimes are equal opportunity employers, and shall not discriminate against any employee or applicant on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, creed, marital status, age, veteran status, or the presence of any disability; provided that the prohibition against discrimination in employment because of disability shall not apply if the particular disability prevents the particular worker involved from performing the occupational requirements of the job. The Parties shall not, on the grounds of race, color, sex, sexual orientation, gender identity, religion, national origin, creed, marital status, age, veteran status or the presence of any disability deny any individual any services or other benefits provided under this Agreement.

XX. COMMON INTEREST AND JOINT DEFENSE

Both Johnston and Grimes agree that, pursuant to the terms and services provided in this Agreement, they have substantially similar interests and derive mutual benefit from this Agreement and the services contemplated herein. Furthermore, Johnston and Grimes agree that, for the purpose of assisting in any common investigation, evaluation, or defense of any allegations, charges, complaints, or other cause made against them (whether jointly or individually), they shall engage in communications or elect to disclose or transmit to each other otherwise privileged, confidential, or proprietary communications, information, or documents; mental impressions; investigative information; memoranda; interview reports; expert reports; and other privileged, confidential, proprietary, or otherwise protected communications, information, or documents relating to the allegation, charge, complaint, or other cause. Both Johnston and Grimes agree that such materials may be protected from disclosure to adverse or other parties as a result of the attorney-client privilege, the work-product privilege, the joint defense doctrine, the common interest doctrine, and/or other applicable privileges, rights, or rules; and they desire that such materials shall remain privileged and confidential or otherwise protected from disclosure for the purpose of promoting cooperation and limiting administrative and legal costs. When appropriate, and at least in the event of any formal proceedings, Johnston and Grimes shall execute such a "joint defense" or "common interest" agreement to protect and memorialize their commitment pursuant to this provision.

XXI. AMENDMENT OF AGREEMENT

Any amendment to this Agreement shall be in writing upon recommendation of the Fire Board and after appropriate public review and discussion, including a public hearing, if required, and such amendment shall be approved by resolution of the Grimes City Council and the Johnston City Council.

XXII. MISCELLANEOUS

1. This Agreement is entered into solely for the benefit of the goals and objectives of Grimes and Johnston as expressly provided herein and does not create any rights in any other person.

2. Unless otherwise provided in this Agreement, any liabilities, debts, or other obligations by Grimes and Johnston shall not be the responsibility of the other community.

3. Grimes and Johnston shall pay its own costs incurred to negotiate, amend, abide by, or terminate this Agreement.

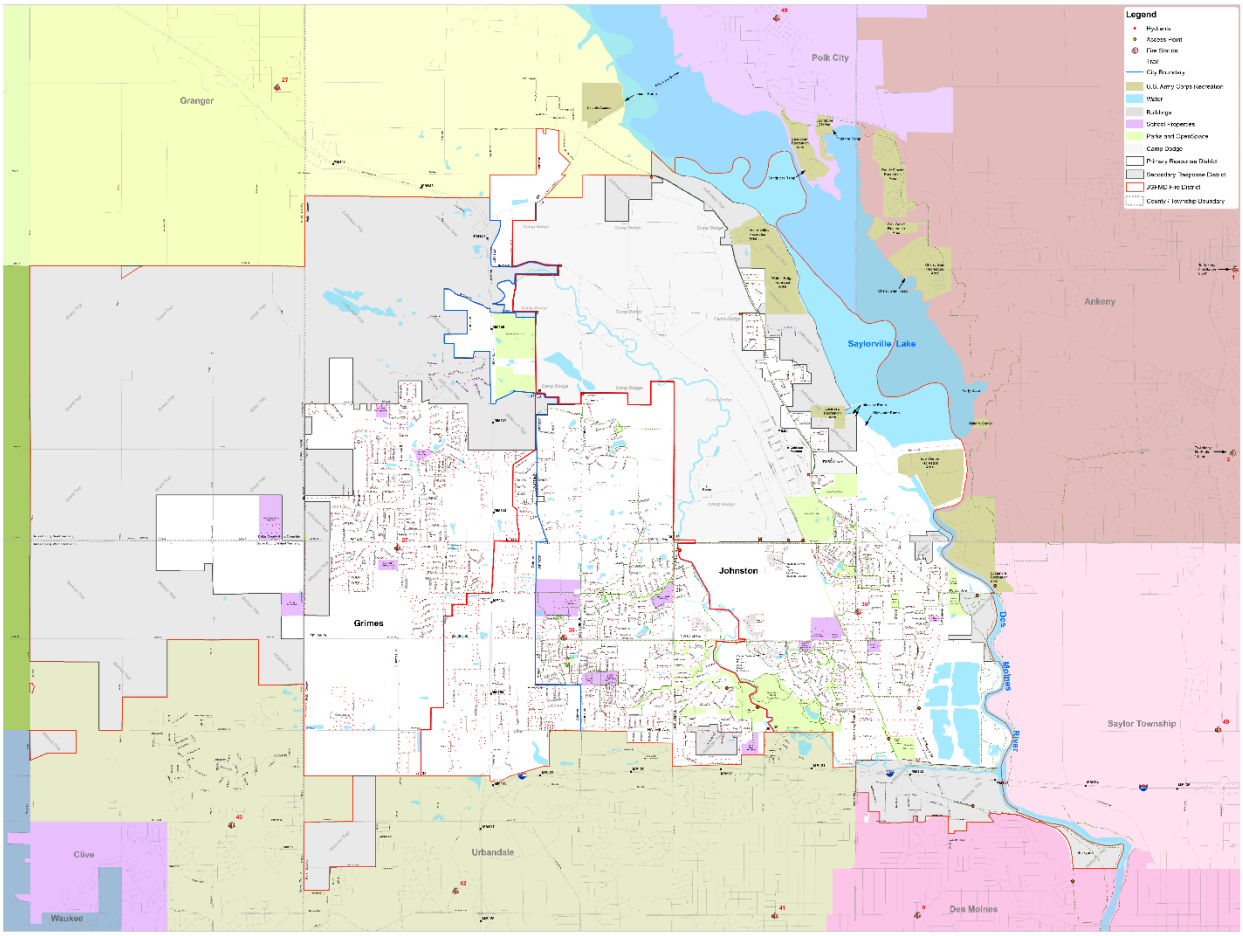
4. After approval of this Agreement by resolution of both cities and execution by the parties, this Agreement shall be filed with the Iowa Secretary of State in accordance with the provisions of Iowa Code § 28E.8.

5. In case any one or more of the provisions contained in this Agreement shall be declared invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.

6. This Agreement shall be governed by, construed and enforced in accordance with the laws of the State of Iowa.

CITY OF GRIMES	CITY OF JOHNSTON
By: _____	By: _____
Print Name: _____	Print Name: _____
Print Title: _____	Print Title: _____
Date: _____	Date: _____
Attest:	
By:_____	By: _____
City Clerk	City Clerk

Exhibit A Service Area Map



Johnston-Grimes Metropolitan Fire Department
Fire Prevention Activity Report
City of Johnston

Quarter	Site Plan	Plan Review	Occupancy Inspection	Re-Inspection	System Inspection	Final Inspection	Total Activity
FY16/17Q2	6	12	14	0	1	2	35
FY16/17Q3	6	2	25	1	3	2	39
FY16/17Q4	6	13	33	26	7	4	89
FY17/18Q1	1	5	18	21	0	9	54
FY17/18Q2	2	14	27	16	2	3	64
FY 17/18Q3	6	6	8	9	12	4	45
FY17/18Q4	13	13	15	5	7	2	55
FY18/19Q1	13	18	13	3	11	3	61
FY18/19Q2	2	24	5	6	5	9	51
FY18/19Q3	3	17	12	10	20	5	67
FY18/19Q4	7	56	11	15	13	3	105
FY19/20Q1	14	16	19	5	6	8	68
FY19/20Q2	5	25	5	15	4	9	63
FY19/20Q3	7	24	7	5	5	4	52
FY19/20Q4	3	17	2	3	8	4	37
FY20/21Q1	7	13	13	2	1	1	37
FY20/21Q2	11	19	4	9	2	9	54
FY20/21 Q3	16	24	0	2	0	6	48
FY20/21 Q4	2	9	14	7	5	4	41
FY21/22 Q1	4	9	9	13	4	1	40
FY21/22 Q2	11	5	5	4	5	2	32
FY21/22 Q3	12	40	24	5	8	3	92
FY21/22 Q4	11	6	23	6	8	1	55
FY22/23 Q1	13	13	23	31	2	0	82
FY22/23 Q2	2	11	10	15	2	6	46
FY22.23 Q3	7	10	11	13	13	6	60
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0

Johnston-Grimes Metropolitan Fire Department
Fire Prevention Activity Report
City of Grimes

Quarter	Site Plan	Plan Review	Occupancy Inspection	Re-Inspection	System Inspection	Final Inspection	Total Activity
FY16/17Q2	1	2	14	0	0	1	18
FY16/17Q3	2	7	32	14	0	3	58
FY16/17Q4	6	16	55	30	3	1	111
FY17/18Q1	3	13	27	22	9	10	84
FY17/18Q2	7	20	12	29	10	14	92
FY 17/18Q3	8	21	0	6	15	12	62
FY17/18Q4	8	34	13	10	5	9	79
FY18/19Q1	20	37	9	12	4	14	96
FY18/19Q2	7	33	5	7	5	10	67
FY18/19Q3	4	41	10	10	18	8	91
FY18/19Q4	12	41	13	10	24	44	144
FY19/20Q1	12	35	1	7	13	7	75
FY19/20Q2	11	35	10	8	3	10	77
FY19/20Q3	21	53	5	6	5	12	102
FY19/20Q4	12	104	10	13	15	6	160
FY20/21Q1	22	46	2	2	4	5	81
FY20/21Q2	6	55	3	3	11	11	89
FY20/21 Q3	14	77	4	7	8	16	126
FY20/21 Q4	11	47	10	7	5	1	81
FY21/22 Q1	15	25	23	13	1	5	82
FY21/22 Q2	17	22	6	3	6	11	65
FY21/22 Q3	27	36	20	6	10	8	107
FY21/22 Q4	14	70	42	12	5	8	151
FY22/23 Q1	11	19	15	19	8	14	86
FY22/23 Q2	14	25	13	6	3	13	74
FY22/23 Q3	10	31	8	5	13	3	70
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0

Johnston-Grimes Metropolitan Fire Department
Fire Prevention Activity Report
Combined

Quarter	Site Plan	Plan Review	Occupancy Inspection	Re-Inspection	System Inspection	Final Inspection	Total Activity
FY16/17Q2	7	14	28	0	1	3	53
FY16/17Q3	8	9	57	15	3	5	97
FY16/17Q4	12	29	88	56	10	5	200
FY16/17	27	52	173	71	14	13	350
FY17/18Q1	4	18	45	43	9	19	138
FY17/18Q2	9	34	39	45	12	17	156
FY 17/18Q3	14	27	8	15	27	16	107
FY17/18Q4	21	47	28	15	12	11	134
FY17/18	48	126	120	118	60	63	535
FY18/19Q1	33	55	22	15	15	17	157
FY18/19Q2	9	57	10	13	10	19	118
FY18/19Q3	7	58	22	20	38	13	158
FY18/19Q4	19	97	24	25	37	47	249
FY18/19	68	267	78	73	100	96	682
FY19/20Q1	26	51	20	12	19	15	143
FY19/20Q2	16	60	15	23	7	19	140
FY19/20Q3	28	77	12	11	10	16	154
FY19/20Q4	15	121	12	16	23	10	197
FY19/20	85	309	59	62	59	60	634
FY20/21Q1	29	59	15	4	5	6	118
FY20/21Q2	17	74	7	12	13	20	143
FY20/21Q3	30	101	4	9	8	22	174
FY20/21Q4	13	56	24	14	10	6	123
FY20/21	89	290	50	39	36	54	558
FY21/22 Q1	19	34	32	26	5	6	122
FY21/22 Q2	28	24	11	7	6	12	88
FY21/22 Q3	39	76	44	11	18	11	199
FY21/22 Q4	25	76	65	18	13	9	206
FY21/22	111	210	152	62	42	38	615
FY22/23 Q1	24	42	38	50	10	14	178
FY22/23 Q2	16	36	23	21	5	19	120
FY22/23 Q3	17	41	19	18	26	9	130
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0
							0

CITY COUNCIL COMMUNICATION

Meeting Date: 06/27/23

AGENDA ITEM: Resolution Approving Johnston Grimes Metropolitan Fire Department General Policy Addendum Statement, July 1, 2023, through June 30, 2024.

BACKGROUND: The current collective bargaining agreement between the City of Grimes and Firefighters IAFF Local No. 4835 is set to expire on June 30, 2023. The existing agreement has no provision for the automatic extension of the agreement beyond the June 30, 2023 expiration. Therefore, the City needs to take action and implement stop-gap policies that will take effect on July 1, 2023. These policies will provide rules, regulations, and procedures applicable to all City of Grimes employees of the Johnston-Grimes Metropolitan Fire Department, excluding command staff, and those assigned to the fire marshal's office.

The proposed policies cover various aspects such as hours of work, holidays, compensation, and work rules and procedures. Their implementation is essential to ensure the continuity of these benefits for our employees. Failure to enact these policies would result in the City being unable to provide these benefits, as there is currently no Council authorization for their provision.

Staff is working with the City of Johnston on these policies and will have them available on Monday..

BUDGETARY CONSIDERATIONS: Costs for the policy are wages and benefits, which were included in the Fire Department's FY24 budget.

STRATEGIC PLANNING:

Prioritized ____YES _____NO

*High-Performing Organization/Exception Professional Services__**X**_____
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community _____

BOARD/COMMISSION ACTION(S):

STAFF RECOMMENDATION: Staff recommends that the City Council approve the resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:

Erik Fisk, Human Resources Director
efisk@grimesiowa.gov
515-986-9636

Prepared by: Erik Fisk, Human Resources Director
Return to: Erik Fisk, Human Resources Director

RESOLUTION NO. 06-4323

A RESOLUTION APPROVING RULES, REGULATIONS, AND PROCEDURES APPLICABLE TO ALL CITY OF GRIMES EMPLOYEES OF THE JOHNSTON-GRIMES METROPOLITAN FIRE DEPARTMENT, EXCLUDING COMMAND STAFF, AND THOSE ASSIGNED TO THE FIRE MARSHAL'S OFFICE

WHEREAS, the current collective bargaining agreement between the City of Grimes and Firefighters IAFF Local No. 4835 is set to expire on June 30, 2023; and,

WHEREAS, the City of Grimes has been able to obtain a new collective bargaining agreement from the IAFF;

WHEREAS, without the collective bargaining agreement, the City needs to implement policies that provide rules, regulations, and procedures applicable to all City of Grimes employees of the Johnston-Grimes Metropolitan Fire Department, excluding command staff, and those assigned to the fire marshal's office that are effective July 1, 2023; and,

WHEREAS, said policies provide for hours of work, holidays, compensation, and work rules and procedures; and,

WHEREAS, without said policies, the City would not be able to continue these benefits since there is no Council authorization to provide said benefits.

BE IT RESOLVED BY THE CITY COUNCIL OF GRIMES, IOWA, that the attached rules, regulations, and procedures applicable to all City of Grimes employees of the Johnston-Grimes Metropolitan Fire Department, excluding command staff, and those assigned to the fire marshal's office, are approved effective July 1, 2023, and said rules, regulations, and procedures shall remain in effect until a new collective bargaining agreement is approved or said rules, regulations, and procedures are amended by the City of Grimes City Council.

PASSED AND APPROVED by the City Council of the City of Grimes, Iowa, this 26th day of June, 2023.

_____

Mayor Scott Mikkelsen

ATTEST:

_____

Rochelle Williams, City Clerk

MINUTES TO SET DATE FOR HEARING ON ENTERING INTO A LOAN AND DISBURSEMENT AGREEMENT

419952-New

Grimes, Iowa

June 27, 2023

The City Council of the City of Grimes, Iowa, met on June 27, 2023, at 5:30 p.m., at the Grimes Community Center, 410 SE Main. The Mayor presided and the roll was called showing the following members of the Council present and absent:

Present: _____

Absent: _____.

Council Member _____ introduced the resolution hereinafter next set out and moved its adoption, seconded by Council Member _____; and after due consideration thereof by the Council, the Mayor put the question upon the adoption of the said resolution and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the resolution duly adopted as follows:

RESOLUTION NO.06-4423

Resolution to fix a date for a public hearing on proposal to enter into a Water Revenue Loan and Disbursement Agreement and to borrow money thereunder in a principal amount not to exceed $12,500,000

WHEREAS, the City of Grimes (the "City"), in Dallas and Polk Counties, State of Iowa, did heretofore establish a Municipal Waterworks Utility System (the "Utility") in and for the City which has continuously supplied water service in and to the City and its inhabitants since its establishment; and

WHEREAS, the management and control of the Utility are vested in the City Council (the "Council") and no board of trustees exists for this purpose; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $2,432,000 Water Revenue Bond, SRF Series 2013, dated July 26, 2013 (the "Series 2013 Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $577,000 Taxable Water Revenue Bond, SRF Series 2016, dated September 23, 2016 (the "Series 2016 Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $4,200,000 Water Revenue Bond, SRF Series 2019, dated March 8, 2019 (the "Series 2019 Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $3,800,000 Taxable Water Revenue Bond, SRF Series 2019A, dated April 12, 2019 (the "Series 2019A Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $1,559,000 Taxable Water Revenue Bond, SRF Series 2019B, dated June 7, 2019 (the "Series 2019B Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to a prior resolution of the Council, the City has heretofore issued its $21,990,000 Taxable Water Revenue Bond, SRF Series 2020, dated January 10, 2020 (the "Series 2020 Bond"), a portion of which remains outstanding; and

WHEREAS, pursuant to the resolutions (the "Outstanding Bond Resolutions") authorizing the issuance of the Series 2013 Bond, the Series 2016 Bond, the Series 2019 Bond, the Series 2019A Bond, the Series 2019B Bond and the Series 2020 Bond (hereinafter collectively referred to as the "Outstanding Bonds"), the City reserved the right to issue additional obligations payable from the net revenues of the Utility and ranking on a parity with the Outstanding Bonds under the terms and conditions set forth in the Outstanding Bond Resolutions; and

WHEREAS, the City now proposes to enter into a Water Revenue Loan and Disbursement Agreement (the "Agreement") and to borrow money thereunder in a principal amount not to exceed

$12,500,000, pursuant to the provisions of Section 384.24A of the Code of Iowa, for the purpose of paying the cost, to that extent, of planning, designing and constructing improvements and extensions to the Utility (the "Project"), and it is necessary to fix a date of meeting of the City Council at which it is proposed to take action to enter into the Agreement and to give notice thereof as required by such law;

NOW, THEREFORE, Be It Resolved by the City Council of the City of Grimes, Iowa, as follows:

Section 1. This City Council shall meet on July 27, 2023, at the Grimes Community Center, 410 SE Main, at5:30 p.m., at which time and place a hearing will be held and proceedings will be instituted and action taken to enter into the Agreement.

Section 2. The City Clerk is hereby directed to give notice of the proposed action on the Agreement setting forth the amount and purpose thereof, the time when and place where the said meeting will be held, by publication at least once, not less than four (4) and not more than twenty (20) days before the meeting, in a legal newspaper which has a general circulation in the City. The notice shall be in substantially the following form:

NOTICE OF PROPOSED ACTION TO INSTITUTE
PROCEEDINGS TO ENTER INTO A LOAN AND DISBURSEMENT AGREEMENT
IN A PRINCIPAL AMOUNT NOT TO EXCEED $12,500,000

(WATER REVENUE)

The City Council of the City of Grimes, Iowa, will meet on July 27, 2023, at the Grimes Community Center, 410 SE Main, at 5:30 p.m., for the purpose of instituting proceedings and taking action to enter into a loan and disbursement agreement (the "Agreement") and to borrow money thereunder in a principal amount not to exceed $12,500,000, for the purpose of paying the cost, to that extent, of planning, designing and constructing improvements and extensions to the Municipal Waterworks Utility System (the "Utility") of the City.

The Agreement will not constitute a general obligation of the City, nor will it be payable in any manner by taxation but, together with the City's outstanding Water Revenue Bond, SRF Series 2013, dated July 26, 2013; Taxable Water Revenue Bond, SRF Series 2016, dated September 23, 2016; Water Revenue Bond, SRF Series 2019, dated March 8, 2019; Taxable Water Revenue Bond, SRF Series 2019A, dated April 12, 2019; Taxable Water Revenue Bond, SRF Series 2019B, dated June 7, 2019; Taxable Water Revenue Bond, SRF Series 2020, dated January 10, 2020; and any additional obligations of the City as may be hereafter issued and outstanding from time to time ranking on a parity therewith, will be payable solely and only from the Net Revenues of the Utility.

At the aforementioned time and place, oral or written objections may be filed or made to the proposal to enter into the Agreement. After receiving objections, the City may determine to enter into the Agreement, in which case, the decision will be final unless appealed to the District Court within fifteen (15) days thereafter.

By order of the City Council of the City of Grimes, Iowa.

Rochelle Williams
City Clerk

Section 3. Pursuant to Section 1.150-2 of the Income Tax Regulations (the "Regulations") of the Internal Revenue Service, the City declares (a) that it intends to undertake the Project which is reasonably estimated to cost approximately $12,500,000, (b) that other than (i) expenditures to be paid or reimbursed from sources other than the issuance of bonds, notes or other obligations (the "Bonds"), or (ii) expenditures made not earlier than 60 days prior to the date of this Resolution or a previous intent resolution of the City, or (iii) expenditures amounting to the lesser of $100,000 or 5% of the proceeds of the Bonds, or (iv) expenditures constituting preliminary expenditures as defined in Section 1.150-2(f)(2) of the Regulations, no expenditures for the Project have heretofore been made by the City and no expenditures will be made by the City until after the date of this Resolution or a prior intent resolution of the City, and (c) that the City reasonably expects to reimburse the expenditures made for costs of the City out of the proceeds of the Bonds. This declaration is a declaration of official intent adopted pursuant to Section 1.150-2 of the Regulations.

Section 4. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 5. This resolution shall be in full force and effect immediately upon its adoption and approval, as provided by law.

Passed and approved this June 27, 2023.

_____
Scott Mikkelsen, Mayor

Attest:

_____
Rochelle Williams, City Clerk

• • • •

On motion and vote, the meeting adjourned.

_____
Scott Mikkelsen, Mayor

Attest:

_____
Rochelle Williams, City Clerk

ATTESTATION CERTIFICATE:

STATE OF IOWA
COUNTIES OF DALLAS AND POLK SS:
CITY OF GRIMES

I, the undersigned, City Clerk of the aforementioned City, do hereby certify that attached hereto is a true and correct copy of the proceedings of the City Council relating to fixing a date for hearing on the City Council's proposal to take action in connection with a Water Revenue Loan and Disbursement Agreement.

WITNESS MY HAND this _____ day of _____, 2023.

_____
Rochelle Williams, City Clerk

ORGANIZATION AND ESTABLISHMENT CERTIFICATE:

STATE OF IOWA
COUNTIES OF DALLAS AND POLK SS:
CITY OF GRIMES

I, the undersigned City Clerk, do hereby certify that the aforementioned City is organized and operating under the provisions of Title IX of the Code of Iowa and not under any special charter and that such City is operating under the Mayor-Council form of government and that there is not pending or threatened any question or litigation whatsoever touching the incorporation of the City, the inclusion of any territory within its limits or the incumbency in office of any of the officials hereinafter named.

And I do further certify that the following named parties are officials of the City as indicated:

____Scott Mikkelsen_____,	Mayor
____Jake Anderson_____,	City Administrator
____ Rochelle Williams _____,	City Clerk
____ Marcia Woodke_____,	City Treasurer
_____Ryan Burger _____,	Council Member/Mayor Pro Tem
_____Eric Johansen_____,	Council Member
_____Andrew Borcherding_____,	Council Member
_____David Gisch_____,	Council Member
_____Laurie DePhillips_____,	Council Member

I further certify that the City established the Municipal Waterworks Utility System (the "Utility") prior to January 1, 1961, and that the Utility has been in continuous operation by the City since its establishment as aforesaid in supplying water service to the City and its inhabitants.

I further certify that the management and control of the Utility are vested in the City Council of the City, and that no board of trustees exists which has any part of the control and management of such Utility.

WITNESS MY HAND this _____ day of _____, 2023.

_____
Rochelle Williams, City Clerk

OUTSTANDING DEBT CERTIFICATE:

STATE OF IOWA
COUNTIES OF DALLAS AND POLK SS:
CITY OF GRIMES

I, the undersigned, City Clerk of the City of Grimes, Iowa (the "City"), do hereby certify that the City has no bonds or other obligations of any kind now outstanding which are secured by and payable from the revenues derived from the operation of the Municipal Waterworks Utility System (the "Utility"), except as follows:

Date	Type	Principal Amount Outstanding	Maturity
07-26-2013	Water Revenue	$ 1,157,000.00	06-01-2033
09-23-2016	Water Revenue	$ 389,000.00	06-01-2036
03-08-2019	Water Revenue	$ 3,473,000.00	06-01-2039
04-12-2019	Water Revenue	$ 3,321,000.00	06-01-2040
06-07-2019	Water Revenue	$ 1,289,000.00	06-01-2039
01-10-2020	Water Revenue	$20,505,000.00	06-01-2042

(Attach here a separate sheet listing any other outstanding obligations of the City secured by and payable from the revenues of the Utility, if any, excluding the proposed issue.)

WITNESS MY HAND this _____ day of _____, 2023.

_____
Rochelle Williams, City Clerk

PUBLICATION CERTIFICATE:

(PLEASE NOTE: Please do not date and return this certificate until you have received the publisher's affidavit and have verified that the notice was published on the date indicated in the affidavit, but please return all other completed pages to us as soon as they are available.)

STATE OF IOWA
COUNTIES OF DALLAS AND POLK SS:
CITY OF GRIMES

I, the undersigned, City Clerk of the aforementioned City, do hereby certify that pursuant to the resolution of its City Council fixing a date of meeting at which it is proposed to take action to enter into a loan and disbursement agreement, the notice, of which the printed slip attached to the publisher's affidavit hereto attached is a true and complete copy, was published on the date and in the newspaper specified in such affidavit, which newspaper has a general circulation in the City.

WITNESS MY HAND this _____ day of _____, 2023.

_____
Rochelle Williams, City Clerk

(Attach here the publisher's original affidavit with clipping of the notice, as published.)

Resolution 06-4723 Appointment of Dorsey & Whitney as Bond Counsel for 2023 SRF Water Revenue Financing

WHEREAS, the City of Grimes (the "City") has undertaken the construction of the 2023 SRF Water Revenue Financing Project (the "Project") to enhance the water infrastructure within the City;

WHEREAS, the City intends to finance the Project through a long-term loan (the "Bond Issue") in the approximate principal amount of $12,500,000, utilizing the State Revolving Fund loan program;

WHEREAS, the City recognizes the need for legal expertise and assistance in coordinating the necessary activities and legal proceedings to authorize the Bond Issue;

WHEREAS, the City has identified a reputable and experienced law firm specializing in municipal bond counsel services, hereinafter referred to as the "Bond Counsel";

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF GRIMES, IOWA approve the Letter of Engagement with Dorsey and Whitney for Bond Counsel for the 2023 SRF Water Revenue Financing.

PASSED AND APPROVED this 27th day of June 2023.

CITY OF GRIMES, IOWA

By: _____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

DORSEY™
always ahead

June 23, 2023

VIA EMAIL
Rochelle Williams
City Clerk/City Hall
Grimes, Iowa

Re: Grimes, Iowa
2023 SRF Water Revenue Financing

Dear Rochelle:

The purpose of this letter is to explain our role as bond counsel for the City of Grimes's (the "City") pending 2023 SRF Water Revenue Financing (the "Project") to be financed through the State Revolving Fund loan program. It is our understanding that the City will enter into a long term loan (the "Bond Issue") in the approximate principal amount of $12,500,000 to finance construction of the Project.

As bond counsel, it will be our responsibility to coordinate activity and legal proceedings necessary to enable the City to authorize the Bond Issue. To accomplish this, we will prepare appropriate resolutions, notices, agreements and certificates, consult with the City's financial advisor and engineer and undertake such additional duties as required by state law and the circumstances. At closing of the Bond Issue, if the conditions are right, we will provide a written legal opinion that (i) the bond issue is a valid and binding obligation of the City; and (ii) the interest will be excluded from gross income for federal income tax purposes.

In performing our services as bond counsel, our sole client will be the City of Grimes. We will not represent any other party in this financing, and it is mutually understood that the services to be provided by us as described herein are solely for the benefit of the City.

Based upon (i) our current understanding of the terms, structure, size and schedule of the Project and its financing; (ii) the duties we will undertake; (iii) the time we anticipate devoting to the representation; and (iv) the responsibilities we assume; we estimate that our fees and expenses related to the Bond Issue will be $15,000. If additional credit facilities are undertaken or if we are asked to assist with bid letting, we will make separate fee arrangements accordingly.

You should be aware that we serve as bond counsel to the Iowa Finance Authority with respect to the State Revolving Fund Program (the "SRF Program") with respect to the SRF Program bond issuances to fund the SRF Program. As bond counsel we will not represent the SRF Program or the City with respect to negotiation of the terms of the Bonds or the Loan and Disbursement Agreement. At this point, it is our understanding that the terms of the financing have been established in the approved SRF Program documents and regulations, and our principal task is to draft documents that conform to the requirements and the terms of the SRF

Program. Accordingly, we do not anticipate that our acting as bond counsel to the State with respect to the SRF Program will present any impediment to our acting as bond counsel to the City with respect to the Bonds; and, in fact, we believe our familiarity with the SRF Program could be an advantage to the City in completing its proceedings efficiently.

After this arrangement is approved on behalf of the City, please have this letter executed in the space below and either fax an executed copy of this letter to our office at (515) 283-1060 or scan and email an executed copy to lemke.susan@dorsey.com. If you have questions, please call Erin Regan or me.

We look forward to working with you. Thank you for the opportunity to serve the City.

Best regards,

John P. Danos

JPD/lb

I understand and agree to the arrangements stated above.

CITY OF GRIMES, IOWA

BY: _____
Mayor

Date:_____

Attest:_____
City Clerk

Date:_____

Monthly Finance Report

May 2023

TREASURER'S REPORT
CALENDAR 5/2023, FISCAL 11/2023

FUND#	TITLE	LAST MONTH CASH BALANCE	REVENUES	EXPENSES	BALANCE	THIS MONTH CASH BALANCE
001	GENERAL	15,464,219.07	2,323,305.66	2,376,647.91	.00	15,410,876.82
002	LIBRARY FUND	16,393.40	449,455.32	114,255.25	.00	351,593.47
005	FIRE/RESCUE AUXILIARY	.00	.00	.00	.00	.00
110	ROAD USE TAX	3,928,547.55	191,656.06	70,885.23	.00	4,049,318.38
112	EMPLOYEE BENEFITS	645,442.39	1,032,036.96	124,341.54	.00	1,553,137.81
119	EMERGENCY FUND	.00	.00	.00	.00	.00
121	LOCAL OPTION SALES TAX	5,349,831.64	270,235.11	3,408,603.00	.00	2,211,463.75
125	TAX INCREMENT FINANCING	5,447,347.13	166,431.20	4,328,429.00	.00	1,285,349.33
160	HOTEL/MOTEL/ECON DEV	264,994.66	16,167.81	.00	.00	281,162.47
161	ECO DEVELOPMENT REVOLVING	179,042.10	1,069.70	.00	.00	180,111.80
167	RESTRICTED GIFTS	99,503.34	.00	2,960.31	.00	96,543.03
170	FEMA - FIRE DEPT	34,239.98	.00	.00	.00	34,239.98
200	DEBT SERVICE	1,149,815.24-	2,740,029.80	684,075.00	.00	906,139.56
301	CAPITAL PROJECT FUND	6,587.32	.00	.00	.00	6,587.32
302	CP - ROAD DEVELOPMENT	3,020.07	.00	.00	.00	3,020.07
303	CP - WALLACE	.00	.00	.00	.00	.00
304	STM WATER MASTER PLAN	150,318.53	.00	.00	.00	150,318.53
305	CP - MAIN STREET	.00	.00	.00	.00	.00
306	CP - PRAIRIE/LITTLE BEAVE	.00	.00	.00	.00	.00
307	CP - STORM WATER	110,418.26	.00	.00	.00	110,418.26
308	CP-SW COUNTY LINE ROAD	96,863.71-	96,863.71	.00	.00	.00
309	CP - PARKS	3,310,578.31	460,677.54	2,952,967.67	.00	818,288.18
310	CP - FIRE	200,000.00	.00	200,000.00	.00	.00
311	CP - DOWNTOWN	.00	.00	.00	.00	.00
312	CP - S JAMES/SE 37TH ST	.00	.00	.00	.00	.00
313	CP - GRIMES COMMUNITY COM	416,715.24	.00	23,240.25	.00	393,474.99
314	CP-NE GATEWAY/HOPE COMM	94,883.62-	94,883.62	.00	.00	.00
315	CP N COMPLEX SANI CONNECT	4,808.51	.00	.00	.00	4,808.51
316	CP - WATER CAP IMPROVEMNT	.00	.00	.00	.00	.00
317	CP - COMP PLAN	11,721.80	.00	.00	.00	11,721.80
318	CP - CITY HALL	.00	.00	.00	.00	.00
319	KENNYBROOK PK WQI IMPRV	168,256.03	.00	165,256.00	.00	3,000.03
320	CP-New Jordan Well 2019	7,800.05	.00	.00	.00	7,800.05
321	CP- ASR 2019	.00	.00	.00	.00	.00
322	CP-16" Water Main	.00	.00	.00	.00	.00
323	CP-Water Tower 2019	13,807.15-	.00	.00	.00	13,807.15-
324	CP-Water Plant Exp 2019	1,202.10-	.00	.00	.00	1,202.10-
325	SE 37TH HWY 141 PROJECT	50,000.00	.00	50,000.00	.00	.00
326	2019 OVERLAY PROJECT	.00	.00	.00	.00	.00
327	SE 19TH & SW CO OVERLAY	.00	.00	.00	.00	.00
328	WRA SANI SEWER PHASE 1	14,334.03	677,697.25	705,389.25	.00	13,357.97-
329	NW TERRITORY LIFT STATION	153,736.40	.00	153,736.40	.00	.00
330	GIS MAPPING	67,181.75	.00	67,181.75	.00	.00
331	19TH ST SEWER EXTENSION	887,743.33	153,736.40	.00	.00	1,041,479.73
332	ROAD USE EQUIPMENT	336,882.00	.00	.00	.00	336,882.00
333	WRA PARALLEL SEWER	1,600,000.00	.00	1,600,000.00	.00	.00
334	HWY44 & COUNTY LN RD 2020	334,156.24	.00	232,020.66	.00	102,135.58
335	ANN SANI SEWER I&I REHAB	250,000.00	.00	.00	.00	250,000.00
336	SE 11th ST RR/James 2019	85,374.58	.00	86,172.08	.00	797.50-
337	CP-N MAIN & BEAVERBK SIG	.00	.00	.00	.00	.00
338	FY20 Drain prj 2nd/beaver	.00	.00	.00	.00	.00
339	HWY 141 & HWY 44 SIGNAL	284,075.15-	21,377.65	.00	.00	262,697.50-
340	ANNUAL SIGNAL IMPROVEMENT	123,128.84-	.00	30,793.50	.00	153,922.34-

FUND#	TITLE	LAST MONTH CASH BALANCE	REVENUES	EXPENSES	BALANCE	THIS MONTH CASH BALANCE
341	HWY 44 STUDY	35,600.00-	.00	.00	.00	35,600.00-
342	WATER SYSTEM STUDY	9,500.00-	.00	.00	.00	9,500.00-
343	JAMES ST CORRIDOR STUDY	22,122.18-	22,122.18	.00	.00	.00
344	PAVEMENT COND ANALYSIS	76,955.60	40.00	76,995.60	.00	.00
345	ANNUAL WATER MAIN REPLACE	200,000.00	503,159.05	.00	.00	703,159.05
346	HW TRAIL EXTENSION	96,180.45	.00	91,180.45	.00	5,000.00
347	N SPORTS COMPLEX PARKING	343,813.02-	349,257.41	.00	.00	5,444.39
348	SPLASH PAD	1,395,128.87-	3,196,853.00	.00	.00	1,801,724.13
349	SE 6TH & S JAMES INTERSEC	1,663.25	.00	.00	.00	1,663.25
350	GRIMES LIBRARY BLDG FUND	1,670,532.82	.00	987,846.96	.00	682,685.86
351	37TH ST IMPROVEMENTS	663,717.35	.00	663,717.35	.00	.00
352	TRL RDG/BEAV/JACOB WTR MN	69,639.33	.00	69,639.33	.00	.00
353	SANI SEWER STUDY	25,282.64-	.00	.00	.00	25,282.64-
354	ANNUAL PCC PATCHING	750,000.00	.00	750,000.00	.00	.00
355	TRAFFIC SIGNAL EQUIPMENT	24,231.00	.00	5,721.00	.00	18,510.00
356	ANNUAL PAVEMENT PRESERVE	75,000.00	.00	.00	.00	75,000.00
357	S CMPLX IRRIGATION PROJ	31,718.46	.00	31,718.46	.00	.00
358	ANN TRAIL IMPRV & PLAN	330,784.59	201,148.75	.00	.00	531,933.34
359	EMERGENCY WATER MAIN	91,587.25	.00	91,587.25	.00	.00
360	19TH ST WATER MAIN	356,768.84	.00	356,768.84	.00	.00
361	WW PLANT MBDR RETROFIT	28,926.53-	.00	.00	.00	28,926.53-
362	WRA SANI SWR PHASE 2	8,550.00-	346,588.31	346,588.31	.00	8,550.00-
363	WRA SANI SEWER PHASE 3	1,888,509.20-	1,888,510.00	2,265.00	.00	2,264.20-
364	WRA SANI SWR PHS 4	.00	57,058.90	57,058.90	.00	.00
365	WALLACE FARM	1,061,407.21	.00	.00	.00	1,061,407.21
366	JACOB ST OVERLAY PROJ	48,394.74	930,676.49	183,644.75	.00	795,426.48
367	GRIMESPLEX	999,674.76-	15,488,681.04	2,184,749.22	.00	12,304,257.06
368	TRL RDG/BEAVER WATER MAIN	104,423.65	948.25	105,371.90	.00	.00
369	SE 11TH & JAMES	1,333,129.10	5,075,649.82	92,306.00	.00	6,316,472.92
370	19th & Gateway signal	300,000.00	.00	.00	.00	300,000.00
371	11TH & GATEWAY SIGNAL	300,000.00	.00	11,742.93	.00	288,257.07
372	N JORDAN WELL REPAIRS	175,741.28-	175,741.28	.00	.00	.00
373	BLDG ACCESS CONTROL PROJ	138,000.00	328,431.53	13,040.00	.00	453,391.53
374	WATER PRODUCTION PROJECTS	419,016.97	448,356.09	45,750.47	.00	821,622.59
375	NE DEST/NE BVRBROOKE IMP	115,597.00-	.00	28,605.75	.00	144,202.75-
376	SE TRL RDG RD RECONSTRUCT	91,245.00-	1,814,657.37	6,403.25	.00	1,717,009.12
377	HWY TRL EXT TO SCHOOL	61,460.32-	491,180.45	10,139.68	.00	419,580.45
378	FIRE STATION	29,824.90-	1,200,000.00	25,536.75	.00	1,144,638.35
379	100TH ST WIDENING	105.00-	1,860,913.08	195.00	.00	1,860,613.08
380	HWY 141 CORR/INTERS STDY	.00	100,574.37	.00	.00	100,574.37
381	NO COUNTY LINE WATER MAIN	.00	.00	.00	.00	.00
382	GROUND STORAGE RESERVOIR	.00	.00	.00	.00	.00
383	JAMES ST WTP WATER MAIN	.00	.00	.00	.00	.00
384	SEWER COMPLIANCE PROJECT	857,082.13-	1,000,000.00	78,374.92	.00	64,542.95
399	EQUIP REVOLVING PROGRAM	308,653.00	151,239.75	95,580.00	.00	364,312.75
600	WATER	11,141,148.46	407,773.90	2,291,174.92	.00	9,257,747.44
601	WATER DEPOSITS	220,899.06	5,534.63	2,248.29	.00	224,185.40
602	WATER SINKING	336,414.44	2,060,261.00	.00	.00	2,396,675.44
603	WATER REC BOND	183,629.96	.00	.00	.00	183,629.96
610	SEWER	6,920,496.36	286,877.75	2,092,637.95	.00	5,114,736.16
611	SEWER SINKING	736,630.85	536,584.00	.00	.00	1,273,214.85
670	LANDFILL/GARBAGE	550,784.40	247,902.46	93,738.97	.00	704,947.89
740	STORM WATER	3,058,469.84	66,840.50	310,998.94	.00	2,814,311.40

TREASURER'S REPORT
CALENDAR 5/2023, FISCAL 11/2023

FUND#	TITLE	LAST MONTH CASH BALANCE	REVENUES	EXPENSES	BALANCE	THIS MONTH CASH BALANCE
750	GRIMESPLEX	349,765.00	.00	.00	.00	349,765.00
	Report Total	63,697,297.05	47,939,185.15	28,580,281.94	.00	83,056,200.26

BALANCE SHEET
CALENDAR 5/2023, FISCAL 11/2023

ACCOUNT NUMBER	ACCOUNT TITLE	PTD BALANCE	YTD BALANCE
001-000-1110	CASH - GENERAL	53,581.57-	10,710,004.67
002-000-1110	CASH - LIBRARY	335,200.07	351,593.47
110-000-1110	CASH - ROAD USE	120,770.83	4,049,318.38
112-000-1110	CASH - EMPLOYEE BENEFITS	905,371.79	1,538,790.38
121-000-1110	CASH - LOCAL OPTION SALES TAX	3,138,367.89-	2,211,463.75
125-000-1110	CASH - TIF	4,161,997.80-	1,285,349.33
160-000-1110	CASH - HOTEL/MOTEL/ECON DEV	16,167.81	281,162.47
161-000-1110	CASH - ECO DEVELOP REVOLVING L	1,069.70	180,111.80
167-000-1110	CASH - LIBRARY RESTRICTED GIFT	2,960.31-	96,543.03
170-000-1110	CASH - FEMA/FIRE DEPT		34,239.98
200-000-1110	CASH - DEBT SERVICE	2,055,949.88	902,645.86
301-000-1110	CASH - CAPITAL PROJECTS		6,587.32
302-000-1110	CASH - CP - ROAD DEVELOPMENT		3,020.07
304-000-1110	CASH-STM WATER MASTER PLAN		150,318.53
307-000-1110	CASH - CP - STORM WATER		110,418.26
308-000-1110	CASH-CP SW COUNTY LINE ROAD	96,863.71	
309-000-1110	CASH - CP - PARKS	2,744,935.95-	565,642.36
310-000-1110	CASH - CP-FIRE	200,000.00-	
313-000-1110	CASH - CP - GRIMES COMM COMPLE	23,240.25-	393,474.99
314-000-1110	CASH-NE GATEWAY/HOPE COMM	94,883.62	
315-000-1110	CASH -N COMPLEX SANI CONNECT		4,808.51
317-000-1110	CASH - COMP PLAN		11,721.80
319-000-1110	CASH-KENNYBROOK PK WQI IMP	165,256.00-	3,000.03
320-000-1110	CASH-NEW JORDAN WELL 2019		7,800.05
323-000-1110	CASH-WATER TOWER 2019		13,807.15-
324-000-1110	CASH- WATER PLANT EXP 2019		1,202.10-
325-000-1110	CASH-SE 37TH /HWY 141 PROJ	50,000.00-	
328-000-1110	CASH-WRA SANI SEWER PHASE 1	27,692.00-	13,357.97-
329-000-1110	NW TERRITORY LIFT STATION CASH	153,736.40-	
330-000-1110	GIS MAPPING- CASH	67,181.75-	
331-000-1110	CASH-19TH ST SEWER EXTENSION	153,736.40	1,041,479.73
332-000-1110	CASH-ROAD USE EQUIPMENT		336,882.00
333-000-1110	CASH-WRA PARALLEL SEWER	1,600,000.00-	
334-000-1110	CASH-HWY 44 & CO LINE RD 2020	232,020.66-	102,135.58
335-000-1110	CASH-ANN SANI SWR I&I REHAB		250,000.00
336-000-1110	CASH-SE 11TH RR/JAMES 2019	86,172.08-	797.50-
339-000-1110	HWY 141 & HWY 44 SIGNAL CASH	21,377.65	262,697.50-
340-000-1110	ANNUAL SIGNAL IMPROVEMENT CASH	30,793.50-	153,922.34-
341-000-1110	HWY 44 STUDY CASH		35,600.00-
342-000-1110	WATER SYSTEM STUDY CASH		9,500.00-
343-000-1110	JAMES ST CORRIDOR STUDY CASH	22,122.18	
344-000-1110	CASH PAVEMENT COND ANALYSIS	76,955.60-	
345-000-1110	CASH ANNUAL WATER MAIN REPLACE		200,000.00
346-000-1110	CASH HWY 44 TRAIL EXTENSION	91,180.45-	5,000.00
347-000-1110	CASH N SPORTS COMPLEX PARKING	349,257.41	5,444.39
348-000-1110	CASH SPLASH PAD	3,196,853.00	1,801,724.13
349-000-1110	SE 6TH & JAMES INTERSEC CASH		1,663.25
350-000-1110	GRIMES LIB BLDG CASH	987,846.96-	682,685.86
351-000-1110	CASH 37TH ST IMPROVEMENTS	663,717.35-	
352-000-1110	CASH TRL RD/BEAV/JAC WTR MN	69,639.33-	
353-000-1110	CASH SANI SEWER STUDY		25,282.64-

BALANCE SHEET
CALENDAR 5/2023, FISCAL 11/2023

ACCOUNT NUMBER	ACCOUNT TITLE	PTD BALANCE	YTD BALANCE
354-000-1110	CASH ANNUAL PCC PATCHING	750,000.00-	
355-000-1110	CASH TRAFFIC SIGNAL EQUIPMENT	5,721.00-	18,510.00
356-000-1110	CASH ANNUAL PAVEMENT PRESERVE		75,000.00
357-000-1110	S COMPLEX IRRIGATION CASH	31,718.46-	
358-000-1110	ANN TRAIL IMP & PLANN CASH		330,784.59
359-000-1110	EMERGENCY WATER MAIN CASH	91,587.25-	
360-000-1110	19TH ST WATER MAIN CASH	356,768.84-	
361-000-1110	WW PLANT MBDR RETROFIT CASH		28,926.53-
362-000-1110	WRA SANI SEWER PHASE 2 CASH		8,550.00-
363-000-1110	WRA SANI SWR PHS 3 CASH	1,886,245.00	2,264.20-
365-000-1110	WALLACE FARM CASH		1,061,407.21
366-000-1110	JACOB ST OVERLAY CASH	344,734.25	393,128.99
367-000-1110	GRIMESPLEX CASH	2,260,549.22-	3,260,223.98-
368-000-1110	TRL RDG/BEAVER WTR MAIN CASH	104,423.65-	
369-000-1110	SE 11TH & JAMES CASH	28,491.10-	1,304,638.00
370-000-1110	19TH & GATEWAY SIGNAL CASH		300,000.00
371-000-1110	11TH & GATEWAY SIGNAL CASH	11,742.93-	288,257.07
372-000-1110	N JORDAN WELL REPAIR CASH	175,741.28	
373-000-1110	BLDG ACCESS CONT PROJ CASH	63,955.60	201,955.60
374-000-1110	WTR PRODUCTION PROJECTS CASH	402,605.62	821,622.59
375-000-1110	NE DEST/NE BVRBROOKE IMP CASH	28,605.75-	144,202.75-
376-000-1110	SE TRL RDG RD RECONSTRUCT CASH	1,103,946.33	1,012,701.33
377-000-1110	HWY 44 TRL EXT SCHOOL CASH	481,040.77	419,580.45
378-000-1110	FIRE STATION CASH	1,174,463.25	1,144,638.35
379-000-1110	100TH ST WIDENING CASH	195.00-	300.00-
384-000-1110	SEWER COMPLIANCE CASH	921,625.08	64,542.95
399-000-1110	EQUIP REVOLVING PROG CASH	55,659.75	364,312.75
600-000-1110	CASH - WATER	1,884,761.13-	6,556,428.33
601-000-1110	CASH - WATER DEPOSITS	3,286.34	221,746.19
602-000-1110	CASH - WATER SINKING	2,060,261.00	2,396,675.44
603-000-1110	CASH - WATER REC BOND		183,629.96
610-000-1110	CASH - SEWER	1,808,376.63-	1,881,863.49
611-000-1110	CASH - SEWER SINKING	536,584.00	1,273,214.85
670-000-1110	CASH - SOLID WASTE	154,163.49	704,947.89
740-000-1110	CASH - STORM WATER	244,158.44-	2,767,944.53
750-000-1110	CASH - GRIMESPLEX		349,765.00
	CASH TOTAL	5,500,439.44-	47,501,690.88
112-000-1111	CASH - FLEX	2,323.63	14,347.43
	CASH TOTAL	2,323.63	14,347.43
001-000-1130	RESERVES - PARK CAP IMPROVE		234,812.58
600-000-1130	RESERVES - WATER TAPPING		605,712.67
610-000-1130	RESERVES - SEWER TAPPING		91,535.73
	RESERVES TOTAL	.00	932,060.98

ACCOUNT NUMBER	ACCOUNT TITLE	PTD BALANCE	YTD BALANCE
001-000-1131	RESERVES - FIRE CAP IMPROVE		78,304.09
600-000-1131	RESERVES - WATER		35,000.00
	RESERVES TOTAL	.00	113,304.09
001-000-1132	RESERVES - RESCUE CAP IMPROVE		16,218.47
	RESERVES TOTAL	.00	16,218.47
001-000-1133	RESERVES - PARK & REC GOAL		6,365.17
	RESERVES TOTAL	.00	6,365.17
001-000-1150	CASH - IPAIT	239.32	60,308.72
200-000-1150	CASH - IPAIT	4.92	3,493.70
309-000-1150	CASH - IPAIT	252,645.82	252,645.82
345-000-1150	CASH - IPAIT	503,159.05	503,159.05
358-000-1150	CASH - IPAIT	201,148.75	201,148.75
366-000-1150	CASH - IPAIT	402,297.49	402,297.49
367-000-1150	CASH - IPAIT	76,374.37	76,374.37
369-000-1150	CASH - IPAIT	460,971.75	460,971.75
373-000-1150	CASH - IPAIT	251,435.93	251,435.93
376-000-1150	CASH - IPAIT	704,307.79	704,307.79
379-000-1150	CASH - IPAIT	1,860,913.08	1,860,913.08
380-000-1150	CASH - IPAIT	100,574.37	100,574.37
	CASH - IPAIT TOTAL	4,814,072.64	4,877,630.82
367-000-1155	CASH - IPAIT HI-YIELD	15,488,106.67	15,488,106.67
369-000-1155	CASH - IPAIT HI-YIELD	4,550,863.17	4,550,863.17
	CASH - IPAIT HI-YIELD TOTAL	20,038,969.84	20,038,969.84
600-000-1160	SAVINGS - WATER TAPPING		992,293.30
740-000-1160	SAVINGS - STORM WATER		46,366.87
	SAVINGS TOTAL	.00	1,038,660.17
610-000-1161	SAVINGS - SEWER TAPPING	2,616.43	1,054,956.18
	SAVINGS - RACCOON TOTAL	2,616.43	1,054,956.18
600-000-1162	SAVINGS - VISION	1,360.11	1,068,313.14

ACCOUNT NUMBER	ACCOUNT TITLE	PTD BALANCE	YTD BALANCE
	SAVINGS - VISION TOTAL	1,360.11	1,068,313.14
601-000-1170	WATER DEPOSIT CD 25712		2,439.21
	CD'S - CITY STATE TOTAL	.00	2,439.21
001-000-1171	CEMETERY CD 1 304927		31,591.49
001-000-1172	CEMETERY CD 3 222910		20,211.26
001-000-1173	CEMETERY CD 12014736		20,759.95
	CD'S BANKERS TRUST TOTAL	.00	72,562.70
001-000-1174	CD# 12510837 - GENERAL		2,116,150.21
	CD# 12510837 - GENERAL TOTAL	.00	2,116,150.21
001-000-1175	CD# 12396252 - GENERAL		2,116,150.21
	CD# 12396252 - GENERAL TOTAL	.00	2,116,150.21
610-000-1178	CHARTER SEW TAP CD		2,086,380.76
	CHARTER SEW TAP CD TOTAL	.00	2,086,380.76
	TOTAL CASH	19,358,903.21	83,056,200.26

PCT OF FISCAL YTD 91.6%

ACCOUNT NUMBER	ACCOUNT TITLE	TOTAL BUDGET	PTD BALANCE	YTD BALANCE	PERCENT EXPENDED	UNEXPENDED
	POLICE TOTAL	1,423,248.00	116,411.83	1,270,220.30	89.25	153,027.70
	FIRE TOTAL	744,558.00	71,720.28	722,221.44	97.00	22,336.56
	AMBULANCE TOTAL	2,011,543.00	119,478.37	1,472,267.29	73.19	539,275.71
	BUILDING INSPECTIONS TOTAL	1,708,039.00	108,602.91	1,397,160.81	81.80	310,878.19
	ANIMAL CONTROL TOTAL	.00	.00	224.45	.00	224.45-
	PUBLIC SAFETY TOTAL	5,887,388.00	416,213.39	4,862,094.29	82.58	1,025,293.71
	ROADS, BRIDGES, SIDEWALKS TOTA	2,912,930.00	190,628.59	2,031,027.02	69.72	881,902.98
	STREET LIGHTING TOTAL	252,500.00	18,393.46	166,025.61	65.75	86,474.39
	TRAFFIC CONTROL & SAFETY TOTA	35,000.00	356.00	15,055.01	43.01	19,944.99
	SNOW REMOVAL TOTAL	384,380.00	1,212.37	118,317.89	30.78	266,062.11
	PUBLIC WORKS TOTAL	3,584,810.00	210,590.42	2,330,425.53	65.01	1,254,384.47
	WATER,AIR,MOSQUITO CONTRO TOTA	8,000.00	.00	.00	.00	8,000.00
	HEALTH & SOCIAL SERVICES TOTA	8,000.00	.00	.00	.00	8,000.00
	LIBRARY TOTAL	1,069,876.00	74,930.46	799,032.09	74.68	270,843.91
	PARKS TOTAL	699,550.00	52,280.34	503,137.05	71.92	196,412.95
	NORTH COMPLEX TOTAL	50,000.00	6,153.02	41,243.76	82.49	8,756.24
	SOUTH COMPLEX TOTAL	50,000.00	536.28	42,035.36	84.07	7,964.64
	RECREATION TOTAL	313,745.00	24,645.59	338,294.93	107.82	24,549.93-
	REC - YOUTH PROGRAMS TOTAL	45,000.00	860.00	9,889.55	21.98	35,110.45
	REC - YOUTH SPORTS TOTAL	.00	.00	9,001.66	.00	9,001.66-
	REC - ADULT PROGRAMS TOTAL	6,600.00	.00	297.60	4.51	6,302.40
	REC - ADULT SPORTS TOTAL	.00	.00	4,831.58	.00	4,831.58-
	CEMETERY TOTAL	65,029.00	5,840.00	7,720.69	11.87	57,308.31
	GCC-GRIMES COMM COMPLEX TOTAL	273,133.00	12,336.21	146,896.67	53.78	126,236.33
	GRIMESPLEX TOTAL	368,500.00	38,745.27	202,131.21	54.85	166,368.79
	CULTURE & RECREATION TOTAL	2,941,433.00	216,327.17	2,104,512.15	71.55	836,920.85
	ECONOMIC DEVELOPMENT TOTAL	4,338,484.00	1,465,453.00	3,282,747.32	75.67	1,055,736.68
	COMMUNITY & ECONOMIC DEV TOTA	4,338,484.00	1,465,453.00	3,282,747.32	75.67	1,055,736.68
	MAYOR/COUNCIL/CITY MGR TOTAL	322,624.00	26,888.40	271,459.61	84.14	51,164.39
	CLERK/TREASURER/ADM TOTAL	761,299.00	58,023.73	685,165.38	90.00	76,133.62
	ELECTIONS TOTAL	28,500.00	.00	21,900.00	76.84	6,600.00
	LEGAL SERVICES/ATTORNEY TOTAL	268,000.00	22,499.24	231,279.60	86.30	36,720.40
	CITY HALL/GENERAL BLDGS TOTAL	301,200.00	16,151.69	188,261.64	62.50	112,938.36
	TORT LIABILITY TOTAL	95,000.00	.00	87,457.50	92.06	7,542.50
	IT TOTAL	318,296.00	22,809.65	253,052.26	79.50	65,243.74
	OTHER GENERAL GOVERNMENT TOTA	47,286.00	94.55	9,813.56	20.75	37,472.44

PCT OF FISCAL YTD 91.6%

ACCOUNT NUMBER	ACCOUNT TITLE	TOTAL BUDGET	PTD BALANCE	YTD BALANCE	PERCENT EXPENDED	UNEXPENDED
	GENERAL GOVERNMENT TOTAL	2,142,205.00	146,467.26	1,748,389.55	81.62	393,815.45
	ROADS, BRIDGES, SIDEWALKS TOTA	797,270.00	.00	797,270.00	100.00	.00
	2007 BOND TOTAL	278,582.00	.00	278,331.25	99.91	250.75
	2012 BOND TOTAL	361,460.00	.00	361,460.00	100.00	.00
	2015 BOND TOTAL	861,063.00	.00	860,812.50	99.97	250.50
	2017A BOND TOTAL	573,632.00	.00	573,331.25	99.95	300.75
	2017 REFINANCING BOND TOTAL	576,075.00	.00	575,825.00	99.96	250.00
	2020 GO BOND TOTAL	661,500.00	.00	661,500.00	100.00	.00
	2021 A GO BOND TOTAL	729,200.00	.00	729,200.00	100.00	.00
	2021 B GO LOST BOND TOTAL	253,750.00	.00	253,750.00	100.00	.00
	2022A BOND TOTAL	832,892.00	684,075.00	831,661.24	99.85	1,230.76
	DEBT SERVICE TOTAL	5,925,424.00	684,075.00	5,923,141.24	99.96	2,282.76
	FIRE TOTAL	.00	25,536.75	55,361.65	.00	55,361.65-
	BUILDING INSPECTIONS TOTAL	28,500.00	47,790.00	47,790.00	167.68	19,290.00-
	ROADS, BRIDGES, SIDEWALKS TOTA	4,343,400.00	397,525.06	2,197,226.75	50.59	2,146,173.25
	STREET LIGHTING TOTAL	1,200,000.00	30,793.50	723,672.34	60.31	476,327.66
	TRAFFIC CONTROL & SAFETY TOTA	.00	5,721.00	56,490.00	.00	56,490.00-
	LIBRARY TOTAL	6,800,000.00	987,846.96	6,577,780.84	96.73	222,219.16
	PARKS TOTAL	3,200,000.00	87,996.94	2,583,725.17	80.74	616,274.83
	NORTH COMPLEX TOTAL	.00	.00	24,752.39	.00	24,752.39-
	GCC-GRIMES COMM COMPLEX TOTAL	600,000.00	14,585.30	28,471.78	4.75	571,528.22
	GRIMESPLEX TOTAL	12,000,000.00	2,184,749.22	7,655,929.68	63.80	4,344,070.32
	CITY HALL/GENERAL BLDGS TOTAL	30,000.00	13,000.00	93,508.00	311.69	63,508.00-
	WATER TOTAL	2,250,000.00	45,750.47	1,772,811.16	78.79	477,188.84
	SEWER/SEWAGE DISPOSAL TOTAL	40,375,000.00	1,189,676.38	33,864,607.28	83.88	6,510,392.72
	STORM WATER TOTAL	155,300.00	.00	13,830.00	8.91	141,470.00
	CAPITAL PROJECTS TOTAL	70,982,200.00	5,030,971.58	55,695,957.04	78.46	15,286,242.96
	WATER TOTAL	5,075,215.00	233,162.21	2,691,498.09	53.03	2,383,716.91
	SEWER/SEWAGE DISPOSAL TOTAL	4,451,762.00	267,543.95	3,019,665.00	67.83	1,432,097.00
	LANDFILL/GARBAGE TOTAL	907,981.00	93,738.97	720,263.94	79.33	187,717.06
	STORM WATER TOTAL	672,871.00	39,998.94	297,233.52	44.17	375,637.48
	SPORTS COMPLEX TOTAL	.00	.00	135.00	.00	135.00-
	ENTERPRISE FUNDS TOTAL	11,107,829.00	634,444.07	6,728,795.55	60.58	4,379,033.45
	TRANSFERS IN/OUT TOTAL	23,913,274.39	19,775,740.05	20,514,262.05	85.79	3,399,012.34
	TRANSFER OUT TOTAL	23,913,274.39	19,775,740.05	20,514,262.05	85.79	3,399,012.34
	TOTAL EXPENSES	130,831,047.39	28,580,281.94	103,190,324.72	78.87	27,640,722.67

REVENUE REPORT
CALENDAR 5/2023, FISCAL 11/2023

PCT OF FISCAL YTD 91.6%

ACCOUNT NUMBER	ACCOUNT TITLE	FISCAL ESTIMATE	PTD BALANCE	YTD BALANCE	PERCENT RECVD	UNCOLLECTED
	GENERAL TOTAL	12,354,063.00	2,323,305.66	13,233,535.16	107.12	879,472.16-
	LIBRARY FUND TOTAL	919,444.00	449,455.32	933,219.30	101.50	13,775.30-
	ROAD USE TAX TOTAL	1,946,835.00	191,656.06	1,881,868.54	96.66	64,966.46
	EMPLOYEE BENEFITS TOTAL	2,179,569.00	1,032,036.96	2,172,556.27	99.68	7,012.73
	LOCAL OPTION SALES TAX TOTAL	2,709,705.00	270,235.11	2,781,281.03	102.64	71,576.03-
	TAX INCREMENT FINANCING TOTAL	6,772,510.00	166,431.20	6,697,523.02	98.89	74,986.98
	HOTEL/MOTEL/ECON DEV TOTAL	69,000.00	16,167.81	79,512.59	115.24	10,512.59-
	ECO DEVELOPMENT REVOLVING TOTA	12,836.00	1,069.70	11,766.70	91.67	1,069.30
	RESTRICTED GIFTS TOTAL	4,000.00	.00	7,537.45	188.44	3,537.45-
	DEBT SERVICE TOTAL	5,847,383.00	2,740,029.80	5,836,014.13	99.81	11,368.87
	CP-SW COUNTY LINE ROAD TOTAL	96,863.71	96,863.71	96,863.71	100.00	.00
	CP - PARKS TOTAL	196,974.46	460,677.54	554,927.54	281.73	357,953.08-
	CP - GRIMES COMMUNITY COM TOTA	500,000.00	.00	.00	.00	500,000.00
	CP-NE GATEWAY/HOPE COMM TOTAL	94,883.62	94,883.62	94,883.62	100.00	.00
	KENNYBROOK PK WQI IMPRV TOTAL	.00	.00	311,935.00	.00	311,935.00-
	CP-Water Tower 2019 TOTAL	.00	.00	72,599.75	.00	72,599.75-
	CP-Water Plant Exp 2019 TOTAL	.00	.00	249,942.20	.00	249,942.20-
	SE 37TH HWY 141 PROJECT TOTAL	.00	.00	50,000.00	.00	50,000.00-
	WRA SANI SEWER PHASE 1 TOTAL	10,750,000.00	677,697.25	12,500,968.94	116.29	1,750,968.94-
	19TH ST SEWER EXTENSION TOTAL	153,736.40	153,736.40	153,736.40	100.00	.00
	ROAD USE EQUIPMENT TOTAL	300,000.00	.00	.00	.00	300,000.00
	HWY44 & COUNTY LN RD 2020 TOTA	.00	.00	52,796.15	.00	52,796.15-
	HWY 141 & HWY 44 SIGNAL TOTAL	21,377.65	21,377.65	21,377.65	100.00	.00
	ANNUAL SIGNAL IMPROVEMENT TOTA	600,000.00	.00	.00	.00	600,000.00
	JAMES ST CORRIDOR STUDY TOTAL	1,822,122.18	22,122.18	22,122.18	1.21	1,800,000.00
	PAVEMENT COND ANALYSIS TOTAL	.00	40.00	40.00	.00	40.00-

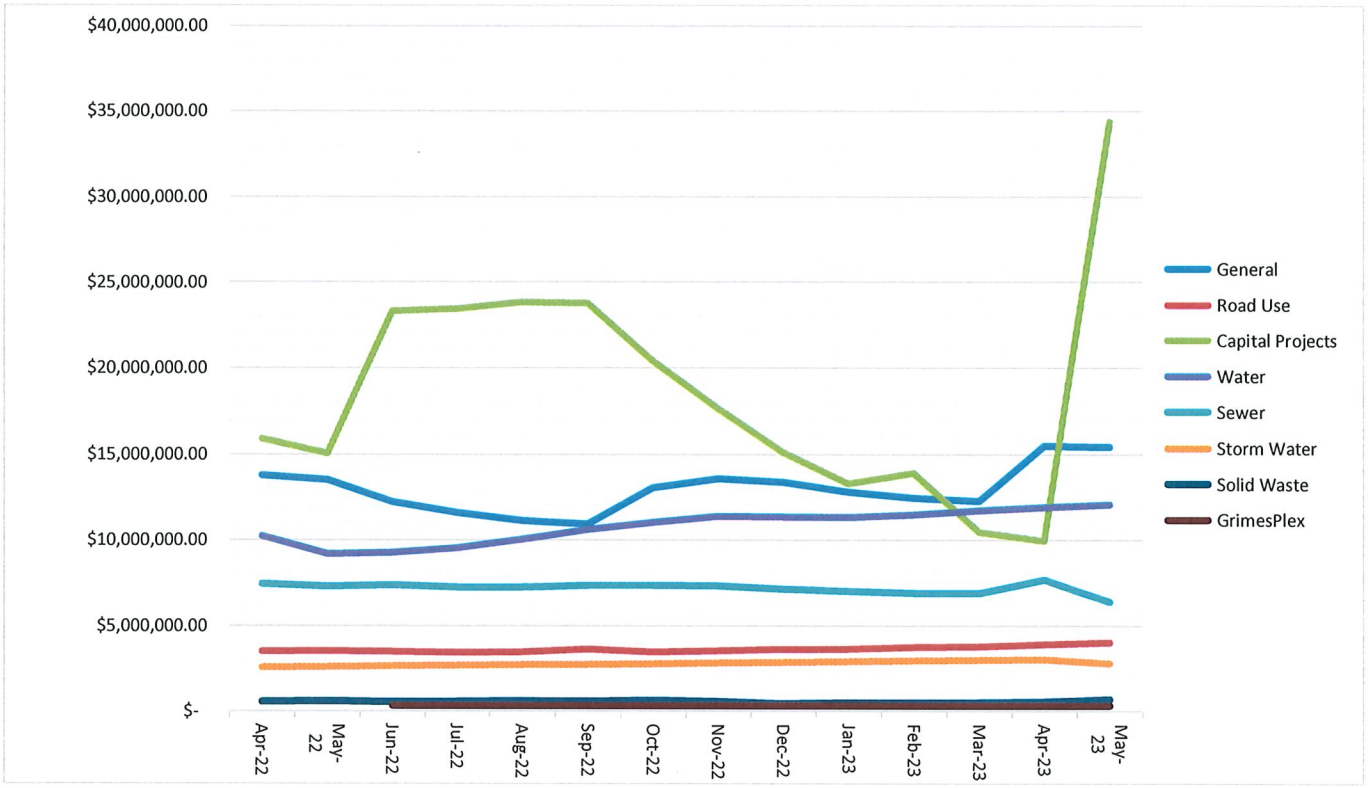
PCT OF FISCAL YTD 91.6%

ACCOUNT NUMBER	ACCOUNT TITLE	FISCAL ESTIMATE	PTD BALANCE	YTD BALANCE	PERCENT RECVD	UNCOLLECTED
	ANNUAL WATER MAIN REPLACE TOTA	.00	503,159.05	503,159.05	.00	503,159.05-
	N SPORTS COMPLEX PARKING TOTA	349,257.41	349,257.41	354,701.80	101.56	5,444.39-
	SPLASH PAD TOTAL	3,196,853.00	3,196,853.00	3,196,853.00	100.00	.00
	GRIMES LIBRARY BLDG FUND TOTA	.00	.00	273,553.40	.00	273,553.40-
	TRL RDG/BEAV/JACOB WTR MN TOTA	750,000.00	.00	.00	.00	750,000.00
	ANNUAL PAVEMENT PRESERVE TOTA	600,000.00	.00	.00	.00	600,000.00
	ANN TRAIL IMPRV & PLAN TOTAL	200,000.00	201,148.75	326,148.75	163.07	126,148.75-
	19TH ST WATER MAIN TOTAL	1,105,000.00	.00	.00	.00	1,105,000.00
	WRA SANI SWR PHASE 2 TOTAL	11,500,000.00	346,588.31	9,014,718.34	78.39	2,485,281.66
	WRA SANI SEWER PHASE 3 TOTAL	9,163,510.00	1,888,510.00	6,632,248.85	72.38	2,531,261.15
	WRA SANI SWR PHS 4 TOTAL	7,000,000.00	57,058.90	4,866,529.87	69.52	2,133,470.13
	WALLACE FARM TOTAL	1,200,000.00	.00	.00	.00	1,200,000.00
	JACOB ST OVERLAY PROJ TOTAL	1,428,379.00	930,676.49	930,676.49	65.16	497,702.51
	GRIMESPLEX TOTAL	12,000,000.00	15,488,681.04	20,048,981.04	167.07	8,048,981.04-
	TRL RDG/BEAVER WATER MAIN TOTA	.00	948.25	948.25	.00	948.25-
	SE 11TH & JAMES TOTAL	63,814.90	5,075,649.82	5,075,649.82	7,953.71	5,011,834.92-
	N JORDAN WELL REPAIRS TOTAL	.00	175,741.28	182,710.28	.00	182,710.28-
	BLDG ACCESS CONTROL PROJ TOTA	76,995.00	328,431.53	328,431.53	426.56	251,436.53-
	WATER PRODUCTION PROJECTS TOTA	448,356.09	448,356.09	1,555,124.92	346.85	1,106,768.83-
	SE TRL RDG RD RECONSTRUCT TOTA	1,110,350.77	1,814,657.37	1,814,657.37	163.43	704,306.60-
	HWY TOTAL	491,180.45	491,180.45	491,180.45	100.00	.00
	FIRE STATION TOTAL	4,200,000.00	1,200,000.00	1,200,000.00	28.57	3,000,000.00
	100TH ST WIDENING TOTAL	.00	1,860,913.08	1,860,913.08	.00	1,860,913.08-
	HWY 141 CORR/INTERS STDY TOTA	.00	100,574.37	100,574.37	.00	100,574.37-
	SEWER COMPLIANCE PROJECT TOTA	1,000,000.00	1,000,000.00	1,000,000.00	100.00	.00
	EQUIP REVOLVING PROGRAM TOTAL	851,239.75	151,239.75	478,400.75	56.20	372,839.00

REVENUE REPORT
CALENDAR 5/2023, FISCAL 11/2023

PCT OF FISCAL YTD 91.6%

ACCOUNT NUMBER	ACCOUNT TITLE	FISCAL ESTIMATE	PTD BALANCE	YTD BALANCE	PERCENT RECVD	UNCOLLECTED
	WATER TOTAL	5,568,549.00	407,773.90	5,442,758.69	97.74	125,790.31
	WATER DEPOSITS TOTAL	15,000.00	5,534.63	59,902.79	399.35	44,902.79-
	WATER SINKING TOTAL	2,060,261.00	2,060,261.00	2,060,261.00	100.00	.00
	SEWER TOTAL	4,296,137.00	286,877.75	3,334,521.15	77.62	961,615.85
	SEWER SINKING TOTAL	536,584.00	536,584.00	536,584.00	100.00	.00
	LANDFILL/GARBAGE TOTAL	907,981.00	247,902.46	868,526.34	95.65	39,454.66
	STORM WATER TOTAL	779,790.00	66,840.50	730,013.67	93.62	49,776.33
	TOTAL REVENUE BY FUND	118,250,541.39	47,939,185.15	121,085,736.38	102.40	2,835,194.99-


$40,000,000.00
$35,000,000.00
$30,000,000.00
$25,000,000.00
$20,000,000.00
$15,000,000.00
$10,000,000.00
$5,000,000.00
$-
Apr-22
May-22
Jun-22
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
General
Road Use
Capital Projects
Water
Sewer
Storm Water
Solid Waste
GrimesPlex

RESOLUTION NO. 06-4823

RESOLUTION ADOPTING THE CITY OF GRIMES AMENDED FEE SCHEDULE FOR 2023

WHEREAS, the City of Grimes recognizes the need to establish and periodically update a fee schedule to ensure the fair and efficient charges for services to its residents and businesses; and

WHEREAS, the City Staff have reviewed existing fee schedule and has determined the necessity of making certain amendments to accurately reflect the actual costs associated with providing various services and permits within the City; and

WHEREAS, the City Council has considered the proposed amendments and believes that they are in the best interest of the City;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA THAT; the City of Grimes Amended Fee Schedule for 2023 shall be approved.

PASSED AND APPROVED this 27 day of June 2022.

_____

Scott Mikkelsen, Mayor

ATTEST:

_____

Rochelle Williams, City Clerk

EXHIBIT A

GrimesPlex:

Soccer fields – full size:	$160/game
Soccer fields – small size:	$90/game
Baseball/Softball – one field per pod:	$180/game
Baseball/Softball – two fields per pod:	$75/game
Baseball - four fields per pod:	$60/game
Softball- four fields per pod:	$50/game
Practices	$35/hour
Lights	$15/game

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Third Reading of Ordinance 779 (06-27-2023, 5:30 PM): Hope Timber Rezone

BACKGROUND:
The applicant, Hope Timber LLC, has submitted the necessary petition documents to initiate the Rezoning Process, for property generally located at the NE corner of Highway 44 and NW County Line Road. The 67.81-acre property is currently zoned A-1 and is identified as Mixed Use 1 (MU-1) and Medium Density Residential (MDR) on the Future Land Use Plan. The applicant is proposing to rezone the property to R-4 (PUD) and C-2.

The projected activity for this property is consistent with the Future Land Use Plan designation. The R-4 zoning district will allow for medium and high density residential. The C-2 zoning district will allow for general commercial development on the southern portion of the property, along Highway 44. As such, the applicant has provided a conceptual plan for the site showing nine development lots, and an extension of NW 5th Street and NW 2nd Street.

The layout provided is only a conceptual layout of the site. The concept will continue to be refined through the rezoning process as required public improvements are determined. As this is only the initial step in the process, more detailed plans will become available as the project moves further along.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S):
Recommendation of Approval - Planning and Zoning – 04/05/2023

STAFF RECOMMENDATION:
Staff recommends approval of Ordinance 779

RESPONSIBLE STAFF/CONTACT INFORMATION:
Molly Mannel, Assistant Planner
mmannel@grimesiowa.gov
515-986-4050

Prepared by: Molly Mannel
Return to: Molly Mannel

HOPE TIMBER
ZONING CHANGE AND DEVELOPMENT AGREEMENT

THIS ZONING CHANGE AND DEVELOPMENT AGREEMENT ("Agreement") is made and entered into this ____ day of _____, 2023, by and between the City of Grimes, IOWA, a municipal corporation (the "City") and Hope Timber LLC, (referred to herein as "Property Owner"), collectively referred to as ("the Parties");

WHEREAS, Property Owner owns certain real property located within the corporate limits of the City which is legally described on Exhibit "A", attached hereto (the "Property"), which Property is presently zoned A-1.

WHEREAS, the Property Owner has submitted a master plan prepared by Civil Design Advantage, identifying the Property to be developed as a mixed-use neighborhood as set forth in Exhibit "B", attached hereto (the "Master Plan"); and

WHEREAS, the City and Property Owner now desire that the Property be rezoned from A-1 to R-4 and C-2, prior to development in accordance with, and in consideration of, the provisions of this Agreement and Section 414.5 of the Iowa Code; and

WHEREAS, Property Owner and the City wish to set forth their agreements with respect to the conditions and restrictions which will arise with respect to the Property as a result of such rezoning and development.

NOW, THEREFORE, in consideration of the above premises, the rezoning of the Property and the promises and agreements set forth herein, it is hereby agreed between Property Owner and the City as follows:

1) Rezoning. The property shall be rezoned from A-1 to R-4 and C-2.

2) Master Plan. As required by the PUD regulations, the Property Owner has submitted a master plan, as shown on Exhibit "B", in conjunction with the Property Owners request for rezoning to R-4 and C-2 to allow for the development of the property for a commercial and residential use neighborhood, referred to herein as Hope Timber. The overall intent of the neighborhood is to provide reasonable accommodations for development, while preserving the natural areas, and integrating pedestrian pathways throughout the development. The Property Owner agrees that the development of the property shall be consistent with the master plan and shall satisfy the following requirements. Any area not addressed within this development agreement shall follow the City of Grimes Zoning Ordinance.

    (a) Phasing of Subdivision. It is understood that the Property Owner intends to phase the development of the property, and that the Property Owner agrees to obtain approval from the City of a Final Plat, which subdivides all of the Property into lots and outlots (referred to herein individually as a "Lot" or collectively as the "Lots").

(b) Site Plans Required. Property Owner agrees that preliminary plats and site plans will be required for the proposed improvements within each subdivision or lot. Preliminary Plats shall include sufficient details to ensure that the minimum development standards for the Property can be achieved.

3) Development Intent. Located at the northeast corner of Highway 44 and NW County Line Road, Hope Timber will consist of commercial uses, medium density residential dwellings, and high density residential dwellings. Each use area is further described as follows.

(a) General Commercial. Areas designated as General Commercial are intended to provide for general commercial uses. The uses permitted are intended to accommodate both the local retail consumer and the automobile-traveling public. All construction shall conform to the Architectural Standards as set forth in this document and be reviewed by the City of Grimes.

(b) Medium Density Residential. Areas designated as Medium Density Residential are intended for traditional attached dwelling units. No multi-family units or commercial uses of any kind will be allowed in these areas. Driveways are to be connected to the private streets and constructed with attached garages. All construction shall conform to the Architectural Standards as set forth in this document and be reviewed by the City of Grimes.

(c) High Density Residential. Areas designated as High Density Residential are intended for traditional multiple family dwellings and other similar residential developments. No commercial uses of any kind will be allowed in these areas. Parking lots shall provide the required number of stalls and covered garages. All construction shall conform to the Architectural Standards as set forth in this document and be reviewed by the City of Grimes.

4) C-2 General and Highway Service Commercial District.

(a) Lot Dimensions. No minimum lot dimensions shall apply.

(b) Setbacks. The following setbacks shall apply to all units:

(i.) Front Yard – Twenty-Five (25) Feet

(ii.) Rear Yard – Twenty-Five (25) Feet – However, for every foot the front yard is increased over 25 feet, the rear yard may be decreased in direct proportion thereto, but in no case shall the rear yard be less than 10 feet

(iii.) Side Yard – Zero (0) Feet, except when adjoining any "R" District or street right-of-way line, in which case – 25 feet.

(c) Permitted Uses. Uses permitted within the General Commercial area shall follow the C-2 zoning district regulations with the exception of the following uses:

(i.) Lumber yards

(ii.) Monument sales yards

(iii). Mini storage and warehouse facilities

(iv.) Heavy Automotive Body Repair/Vehicle Repair. Light service or repair shall be permitted.

(v.) Used car lots

(vi.) Any outdoor exercise areas/runs for domesticated animal board/kennels shall be limited to use during normal business hours.

(d) Height. The maximum height of any building shall be three (3) stories above grade (45-feet maximum).

(e) Signage. All signs constructed upon the site shall be in conformance with the Grimes Zoning Ordinance.

(f) Outdoor Storage. No outdoor storage is permitted upon the site.

(g) Parking Setbacks. All parking lots shall have a minimum setback of ten (10) feet along Highway 44, while all other streets shall have a minimum setback of eight (8) feet. For commercial properties that abut residential uses, that parking lot setback shall be eight (8) feet. For internal property lines for all other common lot lines, a minimum five (5) foot setback shall be provided, unless a shared drive is provided.

(h) Parking. All parking requirements shall be in conformance with the Grimes Zoning Ordinance.

i) Building Materials. Commercial buildings shall be constructed with face brick or brick panels facades. This requirement shall not preclude the use of accent materials such as stone or cast stone on the street face of the buildings. A sample of the brick material and any accent material shall be submitted for approval along with the other required application materials.

Other masonry materials, including stone, cast stone, ornamental concrete block, or other similar materials such as concrete panels, may be allowed on the exterior building wall facing adjacent streets of commercial buildings, provided such

alternate materials are reviewed by the Planning and Zoning Commission and approved by ⅘ vote of the City Council. A sample of any of the alternate materials shall be submitted along with the other required materials.

All building and architectural materials shall meet the Transportation Corridor Mixed Use Development Overlay District standards.

(j) Façade Design. All exterior building walls facing adjacent streets of commercial buildings shall be glazed along a minimum of forty percent (40%) of the wall length with clear glass at eye level.

All façade design requirements shall meet the Transportation Corridor Mixed Use Development Overlay District standards.

(k) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structures and shall be in conformance with the Grimes Zoning Ordinance.

(l) Open Space. A minimum of ten (10%) percent open space shall be provided.

(m) Landscaping. One (1) over-story tree is required for every forty (40) lineal feet along the perimeter of parking lot where it abuts the setback area. In designing the landscape plan for this setback area, consideration shall be given to obscuring the glare of headlights from adjacent and nearby property. One (1) landscaped island is required for the first fifty (50) parking spaced, and an additional island shall be required for each additional twenty-five (25) parking spaces.

All landscaping requirements shall be in conformance with the Transportation Corridor Mixed Use Development Overlay District standards.

i) Pedestrian Access. On-site sidewalks shall connect the street to the main entrance of the principal structure on the site. Where on-site sidewalks cross parking lots, drive aisles, or driveways, the crossing shall be clearly marked or identifiable through the use of striping, speed bumps, different paving material or other similar method.

5) R-4 Planned Residential Development District. This area is intended to provide general medium density and high density residential units.

1) Medium Density Residential. This area is intended to accommodate the construction of attached dwelling units.

(a) Lot Dimensions. No minimum lot dimensions shall apply. Postage Stamp lot development is permitted.

(b) Density. The maximum density within the Townhome Residential area shall be eight (8) units per acre.

(c) Setbacks. The following setbacks shall apply to all units:

(i.) Front Yard – Thirty (30) Feet

(ii.) Rear Yard – Thirty (30) Feet

(iii.) Side Yard – Fifteen (15) Feet each side/ Thirty (30) Feet total

(iv.) Building Separation – Ten (10) Feet

A two (2) foot projection for non-habitable space is permitted, however the projection must meet all applicable building/fire code standards.

(d) Height. The maximum height of any building shall be two (2) stories above grade (40-Feet maximum).

(e) Garage. A minimum of two (2) car attached garage shall be provided for 80% of units. The remaining 20% of units shall provide a minimum of one (1) car attached garage.

(f) Parking. Visitor Parking shall be provided in accordance with the Grimes Zoning Ordinance. For every five (5) dwelling units, one visitor parking space shall be provided.

(g) Building Materials. All townhome buildings shall follow the minimum architecture standards for R-3 districts within the Zoning Ordinance.

(h) Façade Design. The units should be designed in a way that compliments the architecture of the dwellings within the area. More specifically, attempts to include front porches, dormers and other decorative treatments shall be made. Repetition of front facades shall be discouraged, and a minimum of 3 elevation packages shall be provided. The elevation packages should include varying colors, siding textures, and brick/stone or masonry. The rear elevation of units shall not orient towards public streets. There units do have frontage along a public street, the elevation that fronts the public street shall include additional architectural features, including but not limited to front porches, bump outs, additional glazing, elevated trim packages, etc.

(i) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structure and shall be in conformance with the Grimes Zoning Ordinance.

(j) Open Space. A minimum of forty (40%) percent open space shall be provided.

(k) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided. One (1) overstory tree is required for every fifty (50) feet of lot frontage and located between the sidewalk and street. Street trees shall be a combination of diverse species with no more than five (5) trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space tree. Foundation plantings shall be provided for units facing public streets for the public street facing facades only.

(l) Pedestrian. Connections from the units to a common pedestrian network shall be provided. Accommodations for trail connections should be planned for and constructed by the property owner or association. A five (5) foot PCC sidewalk shall be provided on at least one side of any internal private street.

2) High Density Residential:

(a) Lot Dimensions. No minimum lot dimensions shall apply. Postage Stamp lot development is permitted.

(b) Density. The maximum number of residential units shall be eighteen (18) per acre.

(c) Setbacks. The following setbacks shall apply to all units:

(i.) Front Yard – Thirty (30) Feet

(ii.) Rear Yard – Thirty (30) Feet

(iii.) Side Yard – Twenty (20) Feet each side/ Forty (40) Feet total

(iv.) Building Separation – Sixteen (16) Feet

(d) Height. The maximum height of any standalone multifamily building shall be three (3) stories above grade (45-feet maximum).

(e) Garage. Twenty-five (25) percent of the total multi-family units shall have a covered parking stall. All garages shall be designed to match the architectural character of the principal structures and shall be in conformance with the Grimes Zoning Ordinance.

(f) Parking. A minimum of one and a half (1.5) spaces per unit, plus one (1) visitor space per five (5) units. Covered parking spaces shall count towards the overall required parking spaces.

(g) Building Materials. All townhome buildings shall follow the minimum architecture standards for R-3 districts within the Zoning Ordinance.

(h) Façade Design. The buildings should be designed in a way that compliments the architecture of the dwellings within the area. More specifically, attempts to include front porches, dormers and other decorative treatments shall be made. Repetition of front facades shall be discouraged, and a minimum of 3 elevation packages shall be provided. The elevation packages should include varying colors, siding textures, and brick/stone or masonry.

(i) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structures and shall be in conformance with the Grimes Zoning Ordinance.

(j) Open Space. A minimum of forty (40%) percent open space shall be provided.

(k) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided. One (1) overstory tree is required for every fifty (50) feet of lot frontage and located between the sidewalk and street. Street trees shall be a combination of diverse species with no more than five (5) trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space tree. Foundation plantings shall be provided for units facing public streets for the public street facing facades only.

(l) Pedestrian Access. Connections from the units to a common pedestrian network shall be provided. Future accommodations for trail connections should be planned for and constructed by the property owner or association. A five (5) foot PCC sidewalk shall be provided on at least one side of any internal private street.

(m) Common Spaces. Planned plazas, patios, courtyards or other similar public spaces are encouraged and expected to be included as part of the site design. Planned plazas, courtyards or other similar public spaces may be counted for not more than thirty (30%) percent of the required open space.

6) Buffering

(a) Provision of Buffers. The provision of adequate buffering and landscaping shall be thoroughly evaluated and approved by the City of Grimes as part of the site plan approval. Additional buffer and landscaping may be required at that time in response to additional details of the use, buildings, parking, loading areas, mechanical equipment, etc. to be implemented.

(b) Medium Density Residential Buffers. Landscape buffers for the Medium Density Residential area shall include a thirty (30) foot buffer to the east, adjacent to the

single-family housing, and a thirty (30) buffer to the north between the residential townhomes and trail. The east buffer shall include a three (3) to four (4) foot berm with landscaping on top.

(c) Commercial Buffers. Landscape buffers for the Commercial area shall include a thirty (30) foot buffer along east property line, adjacent to the adjoining townhome development. This buffer shall include a three (3) to four (4) foot berm with landscaping on top.

(d) Buffer Landscape Quantities. Thirty (30) foot landscape buffers shall provide the following number of trees per fifty (50) feet of linear buffer: One (1) overstory tree, two (2) understory trees and one (1) evergreen tree.

(e) Berming and Screening. Earth berming shall be implemented whenever possible to enhance buffering and screening of otherwise negative site elements and to aid in ensuring year-round screening. Buffers should be designed to achieve the maximum amount of screening of negative elements from the maximum number of viewpoints with vegetation layered to ensure adequate blockage of views and to create depth and a sense of naturalness. Care should be taken to ensure that 'thru-views' under tree canopies are adequately blocked. It is recognized that some views of businesses are desired; therefore, buffer vegetation may be clustered and situated to screen parking and drive throughs associated with the businesses and other negative site elements such as trash enclosures, transformers, loading docks, etc.

(f) Continuity. Buffers shall be so designed so as to serve as a visual continuation of existing buffers and/or as a unifying element within the development. Buffers adjacent to streetscapes shall make a natural transition in order to be visually cohesive.

7) Lighting

(a) Parking Lot & Accent Lighting. All commercial uses shall provide adequate lighting for the parking areas. Accent lighting shall be provided on all buildings that face the public right-of-way, to accentuate the building form and architectural character. Uplighting of landscaping is encouraged.

(b) Private Street Lighting. Street lighting associated with the private streets shall be provided within the Medium Density and High Density Residential Areas. All lighting shall be shaded or hooded and oriented inward so as to prevent intrusion into surrounding areas. Adequate lighting shall be provided along the private streets and common areas.

(c) Public Street Lighting. Street Lighting associated with the public streets shall be standard MidAmerican Energy Street Lights and black in color.

8) Public and Site Improvements

(a) Public Improvements. Public Improvements include the construction of the following:

(i.) Utilities. Property Owner agrees to construct the necessary water main, sanitary sewers, and storm sewers to serve the Medium Density Residential, High Density Residential, and General Commercial development. Public construction drawings shall be prepared and submitted for review and approval. All utilities shall be located in easements approved with the Final Plat.

(ii.) Traffic Impact Study. Property Owner shall commission and provide to the City a Traffic Impact Study which aims to evaluate and indicate requirements of the overall transportation needs of the development. The developer shall be responsible for any improvements required within the Traffic Impact Study.

(iii.) Access to Highway 44. Access to Highway 44 shall be completed in accordance with the Iowa DOT.

(iv.) NW 5th Street. Property Owner agrees to extend and connect NW 5th Street, as shown in the concept plan. Street shall be 29-foot B/B PCC, within a 60-foot right of way. The intersection at NW County Line Road shall be 43-foot B/B PCC, within a 70-foot ROW.

(v.) NW 2nd Street. Property Owner agrees to extend and connect NW 2nd Street, as shown in the concept plan. Roadway shall be 31-foot B/B PCC, and positioned within a 60-foot right of way. The intersection at NW County Line Road shall be 43-foot B/B PCC, within a 70-foot ROW.

(vi.) Unnamed North-South Street. Property Owner agrees to extend and connect the unnamed north-south street, as shown in the concept plan. Roadway shall be 29-foot B/B PCC and positioned within a 60-foot right of way. The roadway between the intersection at Highway 44 and NE 2nd Street, if approved by the Iowa DOT, shall be 31-foot B/B PCC, within a 70-foot ROW

(vii.) NW County Line Road Right-of-Way. Property Owner agrees to dedicate 60-feet of right-of-way along NW County Line Road. Property owner further agrees to provide a 20-foot temporary construction easement to the City, at no cost, at such a time the City makes improvements to NW County Line Road.

(viii.) Public Sidewalks. Five (5) foot PCC public sidewalks shall be provided on two sides of all public streets, unless otherwise referenced herein.

(ix.) Public Trails. A ten (10) foot PCC trail shall be provided along the east side of NW County Line Road and within the greenway of Outlot Z, as shown on the concept plan.

(x.) Construction/Bonds. All public improvements listed above shall be constructed in accordance with SUDAS and all City of Grimes standards and specifications. At the time of completion, a four (4) year maintenance bond for the streets, watermain, sanitary sewer, and storm sewer improvements must be submitted.

(b) Fees. The following fees shall be provided at the time of Final Plat.

(i) NW County Line Road Pavement. One-hundred fifty ($150) dollars per linear foot frontage.

(ii) NW County Line Road Water Main. One-hundred fifty ($150) dollars per linear foot of frontage. This fee is based on estimates. At the time of completion, this fee will be reassessed and finalized. At no point will the fee be in excess of 110% of the fee identified herein.

9) Private Sidewalks. Five (5) foot PCC public sidewalks shall be provided on at least one side of all private streets.

10) Street Right of Way and Easements. At the time of Final Plat, street right of ways in accordance with the requirements herein and Traffic Impact Study.

11) Parkland Dedication. Required parkland dedication is approximately 6.315 acres, based upon the attached concept plan. Property Owner has agreed to dedicate approximately 7.76 acres of land as shown on the attached concept plan. The dedication shall occur with the platting of adjacent properties and street lots. Staff is evaluating parkland dedication with the Parks and Recreation Director and reserves the right to modify the parkland based on future discussions.

12) Transportation Corridor Mixed Use Development Overlay District. The development shall follow the Transportation Corridor Mixed Use Development Overlay District regulations for all commercial lots except as otherwise stated in this Development Agreement.

13) Amendment Procedure. The terms of this Agreement may be amended by mutual agreement of the Parties hereto, following a notification process to surrounding Property Owners, a review by the Grimes Planning and Zoning Commission and a Public Hearing before the Grimes City Council.

14) Security; Lien Rights of City. In the event that the City makes any payments or incurs any costs in connection with the Improvements, which payments or costs are agreed to be paid by Property Owner pursuant to this Agreement, Property Owner hereby agrees that the City

shall have a lien on the Property in the amount agreed to be paid by Property Owner. Such lien by the City shall be released by written instrument recorded upon payment in full of the amount that Property Owner is obligated to pay. In the event that such a lien arises, the parties agree that the Property subject to such lien shall not be further platted or divided and no building permits shall issue until such lien is satisfied.

15) Binding Personal Obligation and Assignment. The parties hereby acknowledge that the security provided for in this Agreement is not the exclusive remedy available to the City. The obligations of the Property Owner hereunder are personal. In addition to the lien rights described in this Agreement, the City shall have all remedies available to it at law or in equity under the laws of the State of Iowa. The personal obligations of the Property Owner shall not be assignable, and the parties shall not be released from the obligations hereunder by virtue of such assignment, unless prior written approval of such assignment and release is given to the City. In the event that Property Owner sells a plat to a new owner, the City shall agree to the assignment of the obligations created under this Agreement to the purchaser.

16) Warranty of Title. Property Owner hereby warrants to the City that Property Owner is the owner of the Property and hereby covenants to defend Property Owner's title to the Property for purposes of this Agreement.

17) Binding. The terms and conditions of this Agreement shall be binding upon and shall inure to the benefit of the heirs, successors and assigns of the respective parties hereto, and all of the terms and conditions of this Agreement shall constitute conditions, covenants and restrictions running with the land in perpetuity for the Property; provided, however, upon the Petition of the then owner of the Property or any portion thereof, the parties hereto agree that the terms of the ordinances of the City of Grimes and the laws of the statutes and courts of the State of Iowa governing rezoning shall control the change in such zoning as to the property owned by the person so petitioning.

18) Effective. This Agreement is subject to and contingent upon approval by the Grimes City Council of the rezoning of the Property in accordance with paragraph 1. In the event the Grimes City Council does not approve said zoning change, this Agreement shall be null and void.

19) Recording. This Agreement shall be recorded with the Polk County, Iowa, Recorder, as an exhibit to the ordinance rezoning the Property and shall constitute a valid and effective agreement pursuant to the terms and conditions of Section 414.5 of the Iowa Code.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

CITY OF GRIMES, IOWA

By:_____

Scott Mikkelsen, Mayor

Attest:

_____

Rochelle Williams, City Clerk

STATE OF IOWA)

) ss.

COUNTY OF POLK)

On this ____ day of _____, 20__, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Scott Mikkelsen and Rochelle Williams, to me personally known, and, who, being by me duly sworn, did say that they are the Mayor and City Clerk, respectively, of the City of Grimes, Iowa; that the seal affixed to the foregoing instrument is the corporate seal of the corporation, and that the instrument was signed and sealed on behalf of the corporation, by authority of its City Council, as contained in Resolution No. _____ adopted by the City Council, under Roll Call of the City Council on the ____ day of _____, 20__, and that Scott Mikkelsen and Rochelle Williams acknowledged the execution of the instrument to be their voluntary act and deed and the voluntary act and deed of the corporation, by it voluntarily executed.

_____

Notary Public in and for the

State of Iowa

My Commission expires _____

PROPERTY OWNER.

Hope Timber LLC

By: Reza Kargarzadeh

Signature: _____

Title: owner

STATE OF IOWA)

) ss:

COUNTY OF Polk)

On this 24 day of April, 2023, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Reza Kargarzadeh, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that the person executed the instrument as the voluntary act of the person.

Amanda Harwell

NOTARIAL SEAL IOWA
AMANDA HARWELL
Commission Number 811205
My Commission Expires
10/21/24

Notary Public in and for the

State of Iowa

My Commission expires 10/21/24

Exhibit A

Legal Description

PUD DESCRIPTION

A PART OF THE WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE NORTH 00°03’45” EAST ALONG THE WEST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 598.48 TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°03'45" EAST ALONG SAID WEST LINE, 1284.42 FEET TO THE SOUTHWEST CORNER OF PARCEL ‘2017-136’ AS SHOWN ON THE PLAT OF SURVEY RECORDED IN BOOK 16614, PAGE 279; THENCE NORTH 89°47'44" EAST ALONG THE SOUTHERLY LINE OF SAID PARCEL ‘2017-136’, A DISTANCE OF 33.00 FEET; THENCE NORTH 48°33'17" EAST ALONG SAID SOUTHERLY LINE, 39.68 FEET; THENCE NORTH 07°31'21" EAST ALONG SAID SOUTHERLY LINE, 74.40 FEET; THENCE SOUTH 87°08'05" EAST ALONG SAID SOUTHERLY LINE, 60.95 FEET; THENCE NORTH 40°47'03" EAST ALONG SAID SOUTHERLY LINE, 166.11 FEET; THENCE NORTH 56°56'52" EAST ALONG SAID SOUTHERLY LINE, 200.24 FEET; THENCE SOUTH 77°12'48" EAST ALONG SAID SOUTHERLY LINE, 227.24 FEET; THENCE NORTH 39°08'12" EAST ALONG SAID SOUTHERLY LINE, 51.54 FEET; THENCE SOUTH 59°00'26" EAST ALONG SAID SOUTHERLY LINE, 106.67 FEET; THENCE NORTH 33°33'37" EAST ALONG SAID SOUTHERLY LINE, 49.88 FEET; THENCE SOUTH 67°05'29" EAST ALONG SAID SOUTHERLY LINE, 51.54 FEET; THENCE NORTH 78°28'30" EAST ALONG SAID SOUTHERLY LINE, 285.32 FEET; THENCE SOUTH 74°55'20" EAST ALONG SAID SOUTHERLY LINE, 42.39 FEET; THENCE NORTH 66°14'29" EAST ALONG SAID SOUTHERLY LINE, 48.74 FEET; THENCE NORTH 86°32'25" EAST ALONG SAID SOUTHERLY LINE, 105.73 FEET; THENCE SOUTH 83°10'17" EAST ALONG SAID SOUTHERLY LINE, 157.40 FEET TO THE EAST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE SOUTH 00°09'41" EAST ALONG SAID EAST LINE, 1811.03 FEET; THENCE SOUTH 89°45'34" WEST, 588.90 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 127.18 FEET, WHOSE ARC LENGTH IS 30.31 FEET AND WHOSE CHORD BEARS NORTH 75°32'13" WEST, 30.23 FEET; THENCE NORTH 68°42'38" WEST, 70.98 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 129.77 FEET AND WHOSE CHORD BEARS NORTH 79°19'56" WEST, 129.03 FEET; THENCE NORTH 89°57'14" WEST, 161.91 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.49 FEET AND WHOSE CHORD BEARS NORTH 72°14'01" WEST, 213.06 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.47 FEET AND WHOSE CHORD BEARS NORTH 72°13'55" WEST, 213.04 FEET; THENCE NORTH 89°56'15" WEST, 84.96 FEET TO THE POINT OF BEGINNING AND CONTAINING 56.83 ACRES (2,475,581 SQUARE FEET).

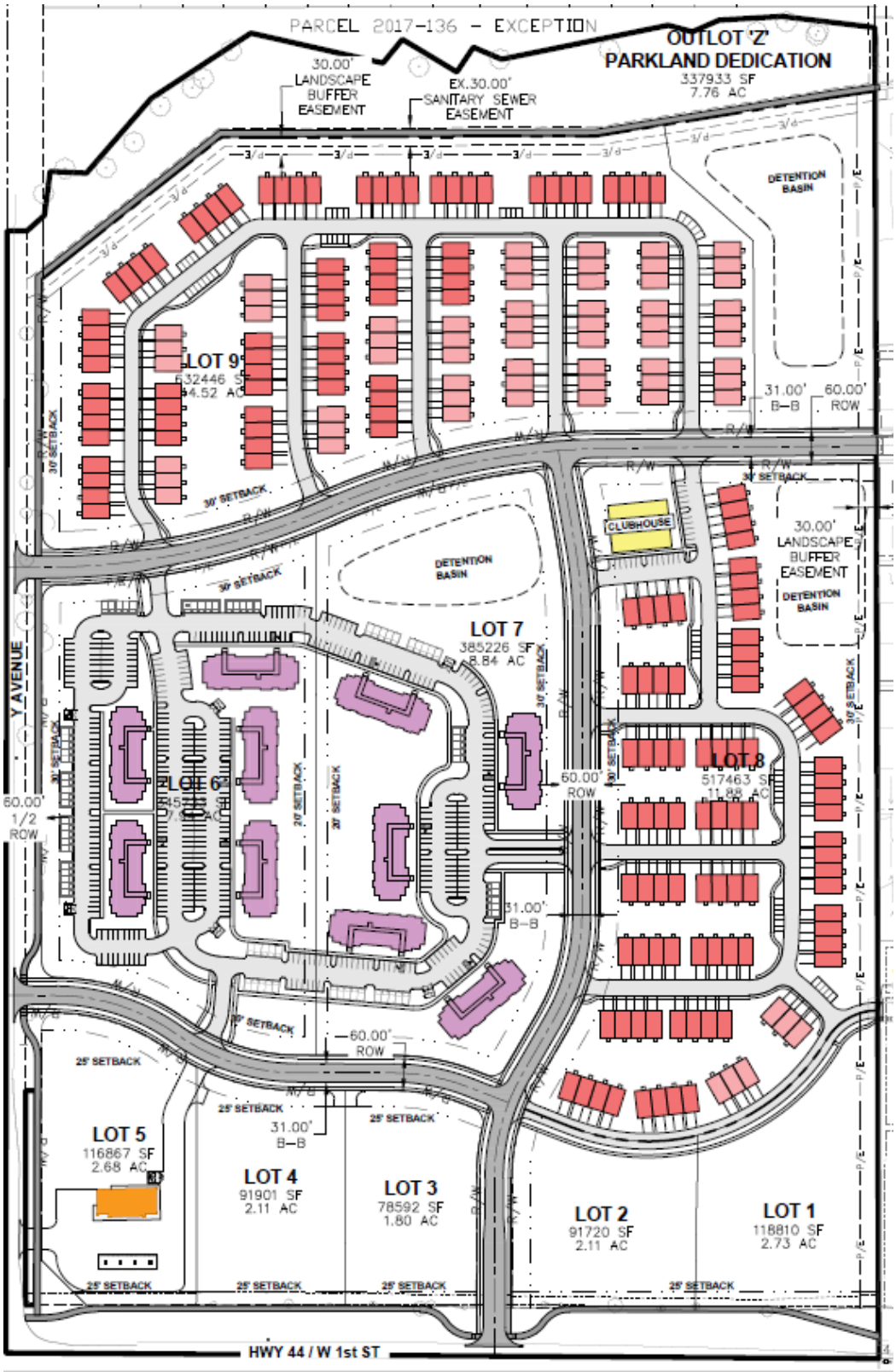
C-2 DESCRIPTION

A PART OF THE WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE NORTH 00°03'45" EAST ALONG THE WEST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 598.48 FEET; THENCE SOUTH 89°56'15" EAST, 84.96 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.47 FEET AND WHOSE CHORD BEARS SOUTH 72°13'55" EAST, 213.04 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.49 FEET AND WHOSE CHORD BEARS SOUTH 72°14'01" EAST, 213.06 FEET; THENCE SOUTH 89°57'14" EAST, 161.91 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 129.77 FEET AND WHOSE CHORD BEARS SOUTH 79°19'56" EAST, 129.03 FEET; THENCE SOUTH 68°42'38" EAST, 70.98 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 127.18 FEET, WHOSE ARC LENGTH IS 30.31 FEET AND WHOSE CHORD BEARS SOUTH 75°32'13" EAST, 30.23 FEET; THENCE NORTH 89°45'34" EAST, 588.90 FEET TO THE EAST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE SOUTH 00°09'41" EAST ALONG SAID EAST LINE, 423.49 FEET TO THE SOUTHEAST CORNER OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE NORTH 89°36'34" WEST ALONG THE SOUTH LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 1465.64 FEET TO THE POINT OF BEGINNING AND CONTAINING 15.90 ACRES (692,670 SQUARE FEET).

Exhibit B

Concept Plan



ORDINANCE #779

AN ORDINANCE AMENDING THE GRIMES OFFICIAL ZONING MAP, PURSUANT TO THE CODE OF ORDINANCES SECTION 12-3-5 TO PROVIDE FOR THE FOLLOWING REZONING REQUEST FOR HOPE TIMBER AND ASSOCIATED ZONING CHANGE AND DEVELOPMENT AGREEMENT

SECTION 1. PURPOSE. This Ordinance is to amend the Official Zoning Map and the Comprehensive Land Use Map by rezoning approximately 67.81 acres legally described on Exhibit A (the "Property") from A-1 (Agricultural District) to R-4 (Planned Residential Development District) and C-2 (General and Highway Service Commercial District).

SECTION 2. ADDITIONAL ZONING RESTRICTIONS. As part of this Ordinance and the rezoning established herein, certain permanent conditions and restrictions are hereby imposed upon the Property, which conditions and restrictions are in addition to existing regulations for the R-4 and C-2 Classification. Said restrictions are set forth in the Zoning Change and Development Agreement (the "Agreement") by and between the City of Grimes, Iowa, and Hope Timber LLC. The Mayor is hereby authorized and directed to execute said Agreement on behalf of the City of Grimes, Iowa; and the City Clerk is hereby authorized and directed to attest to the signature of the Mayor. All such conditions and restrictions are established, and such Agreement executed and entered into, pursuant to and in accordance with the provisions of Section 414.5 of the 2021 Code of Iowa, as amended.

SECTION 3. REPEALER. All ordinances or parts of ordinances in conflict with the provisions of these ordinances are hereby repealed.

SECTION 4. SEVERABILITY CLAUSE. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 5: EFFECTIVE DATE. This ordinance shall be in effect after its final passage, approval and publication as provided by law.

Passed and approved by the City Council on the ____ day of _____, 2023.

ATTEST:

_____
Scott Mikkelsen, Mayor

_____
Rochelle Williams, City Clerk

Exhibit A

Legal Description of Property

PUD DESCRIPTION

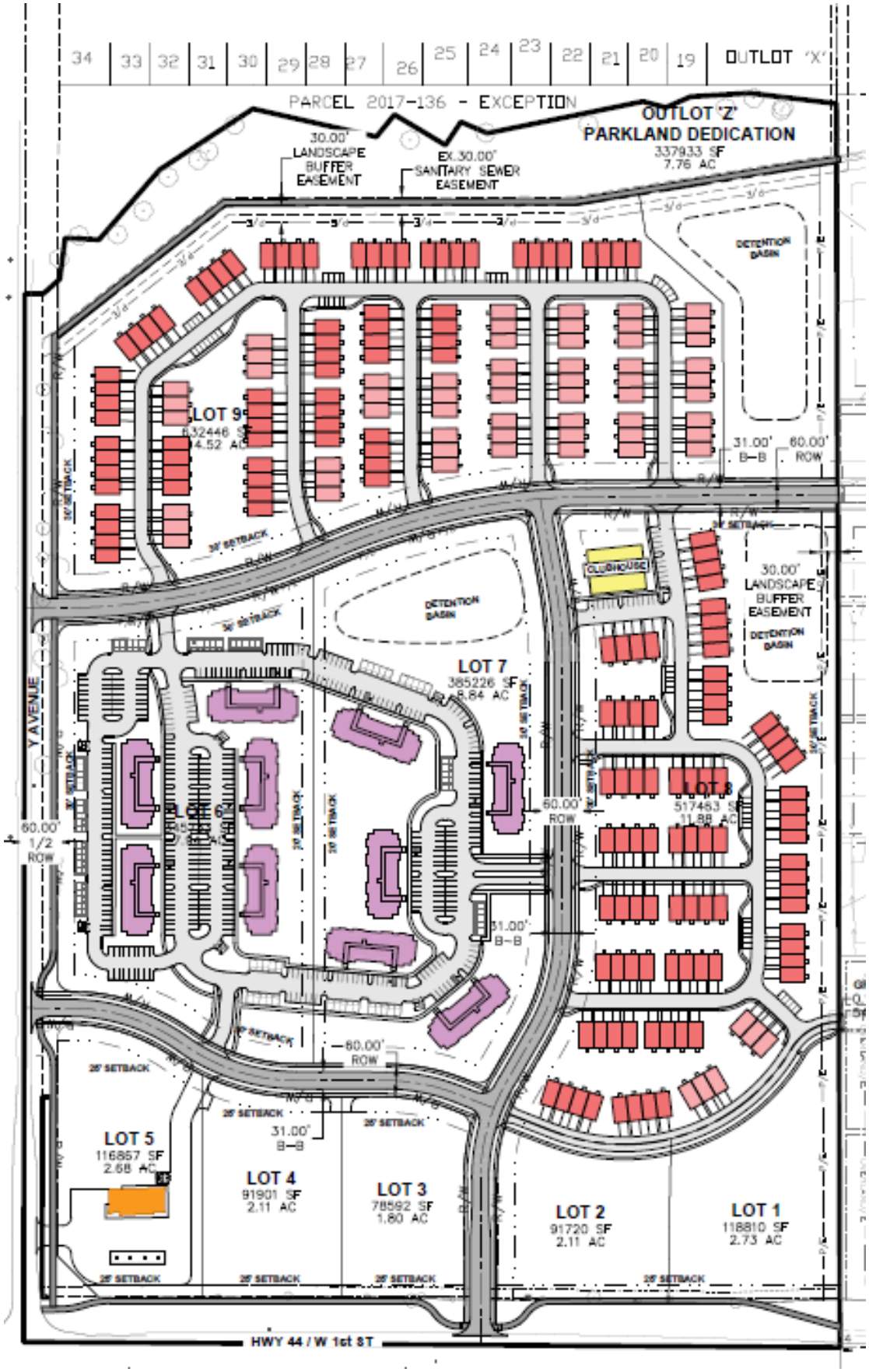
A PART OF THE WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE NORTH 00°03’45” EAST ALONG THE WEST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 598.48 TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°03'45" EAST ALONG SAID WEST LINE, 1284.42 FEET TO THE SOUTHWEST CORNER OF PARCEL ‘2017-136’ AS SHOWN ON THE PLAT OF SURVEY RECORDED IN BOOK 16614, PAGE 279; THENCE NORTH 89°47'44" EAST ALONG THE SOUTHERLY LINE OF SAID PARCEL ‘2017-136’, A DISTANCE OF 33.00 FEET; THENCE NORTH 48°33'17" EAST ALONG SAID SOUTHERLY LINE, 39.68 FEET; THENCE NORTH 07°31'21" EAST ALONG SAID SOUTHERLY LINE, 74.40 FEET; THENCE SOUTH 87°08'05" EAST ALONG SAID SOUTHERLY LINE, 60.95 FEET; THENCE NORTH 40°47'03" EAST ALONG SAID SOUTHERLY LINE, 166.11 FEET; THENCE NORTH 56°56'52" EAST ALONG SAID SOUTHERLY LINE, 200.24 FEET; THENCE SOUTH 77°12'48" EAST ALONG SAID SOUTHERLY LINE, 227.24 FEET; THENCE NORTH 39°08'12" EAST ALONG SAID SOUTHERLY LINE, 51.54 FEET; THENCE SOUTH 59°00'26" EAST ALONG SAID SOUTHERLY LINE, 106.67 FEET; THENCE NORTH 33°33'37" EAST ALONG SAID SOUTHERLY LINE, 49.88 FEET; THENCE SOUTH 67°05'29" EAST ALONG SAID SOUTHERLY LINE, 51.54 FEET; THENCE NORTH 78°28'30" EAST ALONG SAID SOUTHERLY LINE, 285.32 FEET; THENCE SOUTH 74°55'20" EAST ALONG SAID SOUTHERLY LINE, 42.39 FEET; THENCE NORTH 66°14'29" EAST ALONG SAID SOUTHERLY LINE, 48.74 FEET; THENCE NORTH 86°32'25" EAST ALONG SAID SOUTHERLY LINE, 105.73 FEET; THENCE SOUTH 83°10'17" EAST ALONG SAID SOUTHERLY LINE, 157.40 FEET TO THE EAST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE SOUTH 00°09'41" EAST ALONG SAID EAST LINE, 1811.03 FEET; THENCE SOUTH 89°45'34" WEST, 588.90 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 127.18 FEET, WHOSE ARC LENGTH IS 30.31 FEET AND WHOSE CHORD BEARS NORTH 75°32'13" WEST, 30.23 FEET; THENCE NORTH 68°42'38" WEST, 70.98 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 129.77 FEET AND WHOSE CHORD BEARS NORTH 79°19'56" WEST, 129.03 FEET; THENCE NORTH 89°57'14" WEST, 161.91 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.49 FEET AND WHOSE CHORD BEARS NORTH 72°14'01" WEST, 213.06 FEET; THENCE WESTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.47 FEET AND WHOSE CHORD BEARS NORTH 72°13'55" WEST, 213.04 FEET; THENCE NORTH 89°56'15" WEST, 84.96 FEET TO THE POINT OF BEGINNING AND CONTAINING 56.83 ACRES (2,475,581 SQUARE FEET).

C-2 DESCRIPTION

A PART OF THE WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER OF SECTION 31, TOWNSHIP 80 NORTH, RANGE 25 WEST OF THE FIFTH PRINCIPAL MERIDIAN IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE NORTH 00°03'45" EAST ALONG THE WEST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 598.48 FEET; THENCE SOUTH 89°56'15" EAST, 84.96 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.47 FEET AND WHOSE CHORD BEARS SOUTH 72°13'55" EAST, 213.04 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 216.49 FEET AND WHOSE CHORD BEARS SOUTH 72°14'01" EAST, 213.06 FEET; THENCE SOUTH 89°57'14" EAST, 161.91 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE SOUTHERLY WHOSE RADIUS IS 350.00 FEET, WHOSE ARC LENGTH IS 129.77 FEET AND WHOSE CHORD BEARS SOUTH 79°19'56" EAST, 129.03 FEET; THENCE SOUTH 68°42'38" EAST, 70.98 FEET; THENCE EASTERLY ALONG A CURVE CONCAVE NORTHERLY WHOSE RADIUS IS 127.18 FEET, WHOSE ARC LENGTH IS 30.31 FEET AND WHOSE CHORD BEARS SOUTH 75°32'13" EAST, 30.23 FEET; THENCE NORTH 89°45'34" EAST, 588.90 FEET TO THE EAST LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE SOUTH 00°09'41" EAST ALONG SAID EAST LINE, 423.49 FEET TO THE SOUTHEAST CORNER OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER; THENCE NORTH 89°36'34" WEST ALONG THE SOUTH LINE OF SAID WEST HALF OF THE SOUTHWEST FRACTIONAL QUARTER, 1465.64 FEET TO THE POINT OF BEGINNING AND CONTAINING 15.90 ACRES (692,670 SQUARE FEET).


34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
19
OUTLOT 'X'
PARCEL 2017-136 - EXCEPTION
OUTLOT 'Z'
PARKLAND DEDICATION
337933 SF
7.76 AC
30.00'
LANDSCAPE
BUFFER
EASEMENT
EX.30.00'
SANITARY SEWER
EASEMENT
DETENTION
BASIN
LOT 9
632446 SF
14.52 AC
31.00'
B-B
60.00'
ROW
30' SETBACK
CLUBHOUSE
30.00'
LANDSCAPE
BUFFER
EASEMENT
DETENTION
BASIN
LOT 7
385226 SF
8.84 AC
Y AVENUE
60.00'
1/2
ROW
LOT 6
517463 SF
11.88 AC
60.00'
ROW
31.00'
B-B
25' SETBACK
LOT 5
116857 SF
2.68 AC
LOT 4
91901 SF
2.11 AC
LOT 3
78592 SF
1.80 AC
LOT 2
91720 SF
2.11 AC
LOT 1
118810 SF
2.73 AC
HWY 44 / W 1ct ST

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Third & Final Reading Ordinance 781 – An Ordinance Amending the Hope Commercial Planned Unit Development

BACKGROUND:
As part of the PUD amendment, the development agreement will be amended to remove old code references, remove references to NE 5th Street extension, and to clarify development details regarding the Grimes Plex. Since the Hope Commercial PUD was established in 2020, the City has taken over the construction of the Grimes Plex, no longer requiring the developer to construct the facility as a public improvement. A few Grimes Plex standards within the development agreement will be updated to reflect the actual number of sport fields, increase the minimum parking space requirement, and clarify signage requirements due to the anticipated sponsorships associated with the complex.

In addition, the developer has submitted a request to adjust the ratio of residential vs. commercial acreage within the mixed-use portion of the development. As a reminder, the mixed-use portion of the development is along the north side of the property, adjacent to NE Beaverbrooke Blvd. The developer is intending to construct a multi-family and townhome development which would exceed the current required ratio of residential development compared to commercial development within the mixed-use portion of the PUD.

The current PUD requires 50% commercial acreage within the mixed-use area, while the proposed amendment would adjust the acreage ratio to require a minimum of 35% commercial acreage. The density and number of multi-family units will remain the same as previously approved in the PUD. Only the configuration and acreage percentages between residential and commercial will change. The developer has provided a revised PUD concept, conceptual elevations for the multi-family and townhome buildings, and provided market justification from their broker as supporting materials for the PUD amendment request.

The concept for the mixed-use area has been revised based on feedback from the Council at the March 28th meeting. Townhomes have been placed along NE Beaverbrooke Blvd to increase neighborhood feel and improve viewpoints from NE Beaverbrooke Blvd.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S):
Recommendation of Approval – Planning and Zoning Commission – 04/05/2023

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

STAFF RECOMMENDATION:
Staff recommends approval of Ordinance 781.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

ORDINANCE 781

AN ORDINANCE AMENDING THE HOPE COMMERCIAL PLANNED UNIT DEVELOPMENT

BE IN ENACTED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

SECTION 1. Purpose. This Ordinance is to amend the Hope Commercial Planned Unit Development, for the property legally described in Exhibit A.

SECTION 2. Amendment. As part of this Ordinance, the Hope Commercial Zoning Change and Development Agreement approved October 27, 2020 is hereby amended and restated as provided for in Exhibit B.

SECTION 3. Repealer. All ordinances or parts of ordinances in conflict with the provisions of these ordinances are hereby repealed.

SECTION 4. Severability Clause. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 5. Effective Date. This ordinance shall be in effect after its final passage, approval and publication as provided by law.

Passed by the City Council on the _____ day of _____ and approved on this ___ day of _____,, 2023.

ATTEST:

_____
Scott Mikkelsen, Mayor

_____
Rochelle Williams, City Clerk

Exhibit A

Legal Description of Property

ALL OF HOPE COMMERCIAL PLAT 4, AN OFFICIAL PLAT

AND

OUTLOT 'T', HERITAGE AT GRIMES PLAT 2, AN OFFICIAL PLAT

ALL IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND CONTAINING 168.59 ACRES MORE OR LESS.

AMENDED AND RESTATED HOPE COMMERCIAL ZONING CHANGE AND DEVELOPMENT AGREEMENT

THIS ZONING CHANGE AND DEVELOPMENT AGREEMENT ("Agreement") is made and entered into this____ day of _____, 2023, by and between the City of Grimes, IOWA, a municipal corporation (the "City") and Hope Development & Realty, LLC, (referred to herein as "Property Owner"), collectively referred to as ("the Parties");

WHEREAS, Property Owner owns certain real property located within the corporate limits of the City which is legally described on Exhibit "A", attached hereto (the "Property"), which Property is presently zoned A-1 & PUD.

WHEREAS, Property Owner desires to remove the Property from the previously approved Heritage at Grimes PUD; and

WHEREAS, the Property Owner has submitted a master plan prepared by Civil Design Advantage, LLC developing the Property for a mixed-use neighborhood as set forth in Exhibit "B", attached hereto (the "Master Plan"); and

WHEREAS, the City and Property Owner now desire that the Property be rezoned from A-1 & PUD to PUD, prior to development in accordance with, and in consideration of, the provisions of this Agreement and Section 414.5 of the Iowa Code; and

WHEREAS, Property Owner and the City wish to set forth their agreements with respect to the conditions and restrictions which will arise with respect to the Property as a result of such rezoning and development.

NOW, THEREFORE, in consideration of the above premises, the rezoning of the Property and the promises and agreements set forth herein, it is hereby agreed between Property Owner and the City as follows:

1) Heritage at Grimes. The property shall be removed from the Heritage at Grimes PUD.

2) Rezoning. The property shall be rezoned from A-1 & PUD to PUD.

3) Master Plan. As required by the PUD regulations, the Property Owner has submitted a master plan, as shown on Exhibit "B", in conjunction with the Property Owners request for rezoning to PUD to allow for the development of the property for a mixed-use neighborhood. The overall intent of the neighborhood is to provide reasonable accommodations for development, while preserving the natural areas, and integrating common areas with pedestrian facilities and adjoining developments. The Property Owner agrees that the development of the property shall be consistent with the master plan and shall satisfy the following requirements. Any area not

addressed within this development agreement shall follow the City of Grimes Zoning Ordinance.

(a) Phasing of Subdivision. It is understood that the Property Owner intends to phase the development of the property, and that the Property Owner agrees to obtain approval from the City of a final plat, which subdivides all of the Property into lots and outlots (referred to herein individually as a "Lot" or collectively as the "Lots").

(b) Site Plans Required. Property Owner agrees that preliminary plats and site plans will be required for the proposed improvements within each subdivision or lot.

4) Development Intent. Located along the west side of Highway 141 corridor and north of 1st Street, Hope Commercial will consist of a mixed-use and commercial central core, transitioning to a sports complex to the west and an area of single-family residential to the northwest. Each use area is further described as follows.

(a) Single-Family Residential. Areas designated as Single-Family Residential are intended for traditional stand-alone single-family lots. No multi-family units or commercial uses of any kind will be allowed in these areas. Driveways are to be street loaded and built with attached garages. All construction shall conform to the Architectural Standards as set forth in this document and be reviewed by the City of Grimes and the HCRC.

(b) Commercial Central. Areas designated as Commercial are intended to have a high degree of flexibility for entertainment type uses. The Commercial Central areas should be designed with the intent of creating a walkable environment. Developments within the Commercial Central zones shall conform to standards within this document. Development within the commercial central district will follow the currently approved regulations for the Highway 141 Mixed Use Development Corridor District Zone 1. All development drawings shall be reviewed by the HCRC and City of Grimes for approval.

(c) Commercial East. Areas designated as Commercial East are intended to have a high degree of flexibility for hospitality uses. The Commercial East area, while flexible in it uses, shall take advantage of the high visibility along the Highway 141 Corridor, with the intent of providing sites for hospitality uses. Developments within the Commercial East zones shall conform to standards within this document. Development within the Commercial East area will follow the currently approved regulations for the Highway 141 Mixed Use Development Corridor District Zone 1. All development drawings shall be reviewed by the HCRC and City of Grimes for approval.

(d) Commercial West. Areas designated as Commercial West are intended to serve as a regionally significant sports and recreation complex that provides space for an indoor field house, outdoor turf fields for soccer, baseball, softball, football and

other similar activities. Associated parking, shelters and storm water management will also be provided within this area. Where opportunities for shared parking exist, those should be exercised.

(e) Mixed-Use. Areas designated as Mixed-Use are intended to be centrally located to tie and transition the adjoining Commercial areas. This area should provide for a destination for businesses and amenities that people can drive or walk to. This area is to be pedestrian friendly, where a mix of commercial and residential uses are encouraged. Residential and/or Office uses above commercial space are allowed. In a vertical mixed-use format, it is anticipated to provide one (1) floor of commercial and three to four (3 to 4) floors of residential. Horizontal mixed-use arrangements shall provide a minimum thirty-five percent (35%) commercial acreage. Buildings within the Mixed-Use area shall conform to standards within this document and be reviewed by the City of Grimes and the HCRC.

5) Hope Commercial Review Committee (HCRC). The establishment of the Hope Commercial Review Committee (HCRC) will ensure the long-term vision and success of the Hope Commercial PUD. It will be the responsibility of the HCRC to review and provide comment on the proposed development plans, architectural plans, and other design elements prior to City Council approval by the City of Grimes. The HCRC will have no authority to alter or make exceptions to the PUD, and will serve only as advisement on subjective matters including, but not limited to architectural styling, materials, orientation, etc.

(a) The HCRC will consist of professionals and interested parties to be appointed by Hope Commercial. It will consist of representatives from professions including Development, Architecture, and Civil Engineering. The HCRC will include at least one representative from Hope Commercial.

(b) The HCRC will provide its recommendation to the applicant for inclusion with the initial submittal to the City of Grimes.

6) Single-Family Regulations. This area is intended to accommodate the construction of single-family dwelling units. The following regulations shall be applicable to any area identified as Single-Family, as generally shown on the Master Plan.

(a) Lot Dimensions. A minimum lot width of seventy (70) feet, and a minimum lot area of eight thousand five hundred (8,500) square feet shall be provided.

(b) Setbacks. The following setbacks shall apply to all units:

(i.) Front Yard – Thirty (30) Feet

(ii.) Rear Yard – Twenty-Five (25) Feet

(iii.) Side Yard – Seven (7) Feet

A two (2) foot projection for non-habitable space is permitted, however the projection must meet all applicable building and fire code standards.

(c) Minimum Dwelling Size. Single story dwellings must have a main floor finished area of not less than one thousand four hundred (1,400) square feet. All multi-level dwellings, including but not limited to split-levels, one and one-half story dwellings, two-story dwellings, and dwellings having more than two stories must have an above grade finished floor area of not less than one thousand seven hundred (1,700) square feet. Basement or partial subgrade level square footage may not be counted towards minimum finished area.

(d) Height. The maximum height of any building shall be two (2) stories above grade (thirty-five (35) feet maximum). See Buffering in Section 12 for further requirements.

(e) Garage. A minimum two (2) car attached garage shall be provided for every single-family unit.

(f) Building Materials. All homes shall be constructed with a cementitious siding material with a fifty (50) year warranty (i.e.: similar to James Hardi Plank or LP Smart Side siding) and architectural grade asphalt shingles. A minimum of twenty (20%) percent of the front façade shall be clad in brick/stone or masonry. Stucco shall not be considered a similar masonry material. The single-family dwellings should be designed in a way that compliments the architecture of the dwellings within the neighborhood. More specifically, attempts to include front porches, dormers and other decorative treatments shall be made. Repetition of front facades shall be discouraged.

(g) Design Standards. Architecture is to reflect the theme already established with the adjacent single-family homes located within the Heritage at Grimes PUD.

(h) Corner Lots. The lot shall be wide enough to support a twenty-five (25) foot secondary front yard, opposite the front door, while maintaining a rear yard (technical side yard) that provides adequate space for the homeowner to enjoy. Typically, this minimum width to support this shall not be less than one hundred and fifteen (115) feet.

(i) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structure and shall be in conformance with the Grimes Zoning Ordinance.

(j) Landscaping. All dwellings should provide a minimum of two (2) trees per lot, with at least one (1) tree being planted in the front yard.

7) Commercial Central Regulations. This area is intended to accommodate a range of entertainment oriented commercial uses (retail and service). Auto-oriented uses including multi-tenant retail, banks, convenience/gas and fast food are appropriate provided that the individual sites are developed in a cohesive pattern that is integrated with the neighborhood. An overall design theme and concept plan shall be developed for the entirety of the development and presented at the time of the first site plan approval.

(a) Permitted Uses. Any permitted use within the C-2 Zoning District shall be permitted, with the exception of the following.

(i.) Heavy Automotive Body Repair/Vehicle Repair. Light service or repair shall be permitted.

(ii.) Any outdoor exercise areas/runs for domesticated animal boarding/kennels shall be limited to use during normal business hours.

(iii.) Industrial Warehouse Facilities

(iv.) Mini Storage/Self Storage Facilities

(v.) Used Car Lots

(b) Building Setbacks. The following setbacks shall apply to all buildings:

(i.) Front Yard (NE Gateway Drive)– Twenty-Five (25) Feet

(ii.) Front Yard (NE 10th Street and NE Heritage Drive) – Zero (0) Feet

(iii.) Rear Yard – Twenty-Five (25) Feet

(iv.) Side Yard (External) – Ten (10) Feet

(v.) Side Yard (Internal) – Zero (0) Feet

(vi.) Building Separation – Five (5) Feet

When associated with a fuel station, the pumping canopy shall require a fifty (50) foot setback from the right-of-way.

(c) Parking Setbacks. All parking lots shall have a minimum setback of ten (10) feet along public streets. For internal property lines, a minimum five (5) foot setback shall be provided, unless a shared drive is provided.

(d) Parking Requirements. Off-street parking shall be provided based on the individual uses defined at the time of site plan approval in accordance with the Grimes Zoning Ordinance. Shared parking arrangements may be acceptable for reducing the overall development requirement. Accommodations for bicycle parking should be provided as part of the site design. A terminal landscaping island shall be provided at the beginning and end of every parking row. No more than twenty (20) parking spaces shall be provided without a landscaped island.

(e) Open Space. A minimum of twenty-five (25%) percent open space shall be provided. Planned plazas, courtyards or other similar public spaces may be counted for not more than thirty (30%) percent of the required open space.

(f) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided.

One (1) overstory tree is required for every fifty (50) of lot frontage. Street trees shall be a combination of diverse species with no more than five trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space trees.

(g) Pedestrian Access. Pedestrian access within the development and accessibility to the development shall be a primary site design consideration. Pedestrian access should include strong connections from the public right of way as well as the public parkland where feasible, to buildings and site features to support neighborhood connectivity. Access between buildings should also be a strong consideration during site design. A five (5) foot PCC sidewalk shall be provided on at least one side of any private internal street.

(h) Height. The maximum height of any building shall be five (5) stories above grade (sixty (60) feet maximum). In no case shall a building that is adjacent to a residential zone use be more than two (2) stories taller than the adjoining building(s).

(i) Building Materials. Siding shall be primarily comprised of brick, stone or masonry (variety in colors and materials shall be required). Door and window trims shall be utilized throughout. A minimum of seventy-five (75%) percent of all façades (exclusive of doors/windows) shall contain brick, stone or masonry. All sides of the building shall be architecturally detailed in accordance with Zone 1 of the Highway 141 Mixed Use Development Corridor District.

(j) Facade Design. Building design shall include a variety of architectural elements, including articulation of the building face in order to break down the massing of the large building so that its scale is compatible to the adjoining residential neighborhood. The use of articulation within the roof line and building face is required in order to bring the scale of the large roof structure down to that of the adjoining residential neighborhood.

(k) Outparcel Development. Outparcel development is acceptable, however, a common architectural, site and signage design pattern will be consistently applied to each of the individual developments.

(l) Signage. All signs constructed upon the site shall be in conformance with the Grimes Zoning Ordinance.

(m) Outdoor Storage. No outdoor storage is permitted upon the site.

8) Commercial East Regulations. This area is intended to accommodate a range of neighborhood oriented commercial uses (retail and service). Auto-oriented uses including multi-tenant retail, banks, convenience/gas and fast food are appropriate provided that the individual sites are developed in a cohesive pattern that is integrated with the neighborhood. An overall design theme and concept plan shall be developed for the entirety of the development and presented at the time of the first site plan approval.

(a) Permitted Uses. Any permitted use within the C-2 Zoning District shall be permitted, with the exception of the following.

(i.) Heavy Automotive Body Repair/Vehicle Repair. Light service or repair shall be permitted.

(ii.) Any outdoor exercise areas/runs for domesticated animal boarding/kennels shall be limited to use during normal business hours.

(iii.) Industrial Warehouse Facilities

(iv.) Mini Storage/Self Storage Facilities

(v.) Used Car Lots

(b) Building Setbacks. The following setbacks shall apply to all buildings:

(i.) Front Yard – Twenty-Five (25) Feet

(ii.) Rear Yard – Twenty-Five (25) Feet

(iii.) Side Yard – Ten (10) Feet

(iv.) Building Separation – Twenty (20) Feet

When associated with a fuel station, the pumping canopy shall require a fifty (50) foot setback from the right-of-way.

(c) Parking Setbacks. All parking lots shall have a minimum setback of ten (10) feet along public streets. For internal property lines, a minimum five (5) foot setback shall be provided, unless a shared drive is provided.

(d) Parking Requirements. Off-street parking shall be provided based on the individual uses defined at the time of site plan approval in accordance with the Grimes Zoning Ordinance. Shared parking arrangements may be acceptable for reducing the overall development requirement. Accommodations for bicycle parking should be provided as part of the site design. A terminal landscaping island shall be provided at the beginning and end of every parking row. No more than 20 parking spaces shall be provided without a landscaped island.

(e) Open Space. A minimum of twenty-five (25%) percent open space shall be provided. Planned plazas, courtyards or other similar public spaces may be counted for not more than thirty (30%) percent of the required open space.

(f) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided.

One (1) overstory tree is required for every fifty (50) of lot frontage. Street trees shall be a combination of diverse species with no more than five trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space trees.

(g) Pedestrian Access. Pedestrian access within the development and accessibility to the development shall be a primary site design consideration. Pedestrian access should include strong connections from the public right of way as well as the public parkland where feasible, to buildings and site features to support neighborhood connectivity. Access between buildings should also be a strong consideration during site design. A five (5) foot PCC sidewalk shall be provided on at least one side of any private internal street.

(h) Height. The maximum height of any building shall be five (5) stories above grade (sixty (60) feet maximum). In no case shall a building that is adjacent to a residential zone use be more than two (2) stories taller than the adjoining building(s).

(i) Building Materials. Siding shall be primarily comprised of brick, stone or masonry (variety in colors and materials shall be required). Door and window trims shall be utilized throughout. A minimum of seventy-five (75%) percent of all façades (exclusive of doors/windows) shall contain brick, stone or masonry. All sides of the building shall be architecturally detailed in accordance with Zone 1 of the Highway Mixed Use Development Corridor District.

(j) Facade Design. Building design shall include a variety of architectural elements, including articulation of the building face in order to break down the massing of

the large building so that its scale is compatible to the adjoining residential neighborhood. The use of articulation within the roof line and building face is required in order to bring the scale of the large roof structure down to that of the adjoining residential neighborhood.

(k) Outparcel Development. Outparcel development is acceptable, however, a common architectural, site and signage design pattern will be consistently applied to each of the individual developments.

(l) Signage. All signs constructed upon the site shall be in conformance with the Grimes Zoning Ordinance.

(m) Outdoor Storage. No outdoor storage is permitted upon the site.

9) Commercial West Regulations. This area is intended to provide an opportunity to locate a regional sports and recreation complex. The complex shall be designed for efficiency of space, while ensuring the areas are attractive and high quality.

(a) Permitted Uses. Any sports or recreation use, including but not limited to those below:

(i.) Recreation and Sports Buildings

(ii.) Offices, Restaurants, cafes and similar when associated with and located within the recreation and sports buildings

(iii.) Outdoor Turf Fields and associated accessory structures

(iv.) Outdoor Concession and Vending Areas

(v.) Permanent Restrooms and Locker Room Buildings

(b) Format. The layout of the sports and recreation complex should generally follow the layout and design provided in the PUD.

(c) Turf Fields. The minimum number of turf fields should be constructed is as follows:

(i.) Baseball/Softball. 12 fields

(ii.) Soccer. 12 fields

(d) Building Setbacks. The following setbacks shall apply to all buildings:

(i.) Front Yard – Zero (0) Feet

(ii.) Rear Yard – Twenty-Five (25) Feet

(iii.) Side Yard – Ten (10) Feet

(iv.) Building Separation – Twenty (20) Feet

(e) Parking Setbacks. All parking lots shall have a minimum setback of ten (10) feet along public streets. For internal property lines, a minimum five (5) foot setback shall be provided, unless a shared drive is provided.

(f) Parking Requirements. Off-street parking shall be provided based on the individual uses defined at the time of site plan approval in accordance with the Grimes Zoning Ordinance, however no less than one thousand (1000) parking spaces shall be provided for the site. Shared parking arrangements may be acceptable for reducing the overall development requirement. On-street parking, to the degree that it is adjacent to the development, may be used in the calculation of meeting the required off-street parking. A terminal landscaping island shall be provided at the beginning and end of every parking row. No more than fifty (50) parking spaces shall be provided without a landscaped island.

(g) Open Space. A minimum of twenty (20%) percent open space shall be provided. Planned plazas, courtyards or other similar public spaces may be counted for not more than thirty (30%) percent of the required open space. Open Space shall exclude Pond and Artificial Turf fields.

(h) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided.

One (1) overstory tree is required for every fifty (50) feet of lot frontage. Street trees shall be a combination of diverse species with no more than five trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space trees.

(i) Pedestrian Access. Pedestrian access within the development and accessibility to the development shall be a primary site design consideration. Pedestrian access should include strong connections from the public right of way to buildings and site features to support neighborhood connectivity. Access between buildings should also be a strong consideration during site design. Internal to the site, wayfinding signage should be provided to allow for easier navigation of the Sports Complex.

(j) Height. The maximum height of any building shall be five (5) stories above grade (eighty (80) feet maximum).

(k) Building Materials. Building design shall include a variety of architectural elements and materials in order to break down the massing of the buildings, so that its scale is compatible to the adjoining single-family neighborhood. A minimum of sixty (60%) percent of all façades (exclusive of doors/windows) shall contain brick/stone, or similar concrete or masonry materials. Pre-cast concrete construction shall be permitted provided additional architectural detailing such as up-lighting, decorative reveal joints and glazing where possible are included. All pre-cast shall be painted with muted and earth tone colors. All rooftop mechanical units shall be screened from view.

(l) Building Orientation. Buildings shall be generally oriented towards the side streets rather than as a series of outparcels along the public streets. Multiple buildings shall be configured to break up the site into a series of "blocks" defined by on-site streets/driveways and pedestrian pathways. Buildings should frame the perimeter side streets or at a minimum the side street access points. Developments are to provide a main street appearance of which buildings should frame and orient towards.

(m) Common Spaces. Planned plazas, patios, shade structure, play areas, courtyards or other similar public spaces are encouraged and expected to be included as part of the site design.

(n) Fences and Walls. All fences and walls located within the site shall be designed and provided in a manner that is ornamental and decorative. Galvanized chain link fencing, wood fencing, or un-faced poured concrete walls shall be prohibited.

(o) Signage.

(i.) Sports Complex Signage.

1. Monument signage shall follow the Grimes Sign Ordinance.

2. All temporary signage and internal complex signage, other than field painting, shall be a maximum of thirty-five (35) square feet per sign. However, temporary signs placed along NE Heritage Drive shall be designed to be four (4) feet by eight (8) feet in size to provide consistency.

3. No more than two (2) temporary signs shall be placed directly adjacent to each other when placed along NE Heritage Drive. Each grouping of two (2) signs shall be separated by at least ten (10) feet. All signs placed along NE Heritage Drive shall be installed and attached in a consistent and permanent manner to the fencing to improve aesthetics and prevent signs from falling or tearing.

4. Building-mounted signage within the sports complex shall follow the Grimes Sign Ordinance. However, there is no square footage limit for building-mounted signs.

(ii.) Other Development. All other development within the Commercial West Area shall follow the Grimes Zoning Ordinance.

(p) Outdoor Storage. No outdoor storage is permitted upon the site.

10) Mixed-Use Regulations. This area is intended to provide an opportunity for a range of uses including both commercial and residential. The mix of uses can be developed in both vertical and/or horizontal formats. The primary design consideration is that the uses are developed in a cohesive pattern with careful consideration of the orientation of the buildings along NE Gateway Drive. An overall design theme and concept plan shall be developed for the entirety of the development and presented at the time of the first plan approval.

(a) Permitted Uses. Townhomes, multi-family or any permitted use within the C-2 Zoning District shall be permitted, with the exception of the following.

(i.) Heavy Automotive Body Repair/Vehicle Repair. Light service or repair shall be permitted.

(ii.) Any outdoor exercise areas/runs for domesticated animal boarding/kennels shall be limited to use during normal business hours.

(iii.) Industrial Warehouse Facilities

(iv.) Mini Storage/Self Storage Facilities

(v.) Used Car Lots

(b) Format. In a vertical mixed-use format, the building shall provide a minimum of one (1) floor of commercial. In a horizontal mixed-use format, the overall Mixed-Use Area shall be distributed with a minimum thirty-five (35%) percent of the area devoted towards commercial, and the balance being devoted to residential. The overall residential density shall not exceed the maximums identified herein.

(c) Density. The maximum blended density of residential uses shall be eighteen (18) units per acre.

(d) Building Setbacks. The following setbacks shall apply to all buildings:

(i.) Front Yard (NE Beaverbrooke Blvd) Twenty (20) Feet

(ii.) Front Yard (NE Heritage Drive) Zero (0) Feet

(iii.) Front Yard (NE 12th Street) Zero (0) Feet

(iv.) Rear Yard – Twenty-Five (25) Feet

(v.) Side Yard (External) – Ten (10) Feet

(vi.) Side Yard (Internal) – Zero (0) Feet

(vii.) Building Separation – Five (5) Feet

(e) Parking Setbacks. All parking lots shall have a minimum setback of ten (10) feet along public streets. For internal property lines, a minimum five (5) foot setback shall be provided, unless a shared drive is provided.

(f) Parking Requirements. Off-street parking shall be provided based on the individual uses defined at the time of site plan approval in accordance with the Grimes Zoning Ordinance. Shared parking arrangements may be acceptable for reducing the overall development requirement. On-street parking, to the degree that it is adjacent to the development, may be used in the calculation of meeting the required off-street parking. A terminal landscaping island shall be provided at the beginning and end of every parking row. No more than twenty (20) parking spaces shall be provided without a landscaped island.

(g) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structures and shall be in conformance with the Grimes Zoning Ordinance.

(h) Open Space. A minimum of twenty (20%) percent open space shall be provided. Planned plazas, courtyards or other similar public spaces may be counted for not more than thirty (30%) percent of the required open space.

(i) Landscaping. A minimum of one (1) tree per one thousand (1,000) square feet of required open space shall be provided.

One (1) overstory tree is required for every fifty (50) feet of lot frontage. Street trees shall be a combination of diverse species with no more than five trees of a similar species in a single group. Required street trees and buffer trees may count towards the required open space trees.

(j) Pedestrian Access. Pedestrian access within the development and accessibility to the development shall be a primary site design consideration. Pedestrian access should include strong connections from the public right of way, to buildings and site features to support neighborhood connectivity. Access between buildings

should also be a strong consideration during site design. A five (5) foot PCC sidewalk shall be provided on at least one side of any internal private street.

(k) Height. The maximum height of any building shall be five (5) stories above grade (sixty (60) feet maximum). In no case shall a building that is adjacent to a residential zone be more than two (2) stories taller than the adjoining building(s).

(l) Building Materials. Building design shall include a variety of architectural elements and materials in order to break down the massing of the large building so that its scale is compatible to the adjoining single-family neighborhood. A minimum of seventy-five (75%) percent of all façades (exclusive of doors/windows) shall contain brick/stone, or similar concrete or masonry materials.

(m) Building Orientation. Buildings shall be generally oriented towards the side streets rather than as a series of outparcels along the public streets. Multiple buildings shall be configured to break up the site into a series of "blocks" defined by on-site streets/driveways and pedestrian pathways. Buildings should frame the perimeter side streets or at a minimum the side street access points. Developments are to provide a main street appearance of which buildings should frame and orient towards.

(n) Townhomes. The following regulations shall be applicable to any townhome unit constructed within the Mixed-Use area.

(i.) Minimum Dwelling Size. Single story townhome dwellings must have a main floor finished area of not less than one thousand (1,000) square feet. All multilevel townhomes including but not limited to split-levels, one and one-half story dwellings, two-story dwellings, and dwellings having more than two stories must have finished floor areas of not less than one thousand, two hundred (1,200) square feet. Basement square footage may not be counted towards minimum finished area.

(ii.) Height. The maximum height of any townhome building shall be three (3) stories above grade (forty (40) feet maximum). See Buffering in Section 12 for further requirements.

(iii.) Garage. A minimum two (2) car attached garage shall be provided for every townhome unit. Access shall not be provided from a public street.

(iv.) Visitor Parking Spaces. One (1) visitor parking space per five (5) dwelling units shall be provided. Adjacent on street parking, if provided, may be used to accommodate visitor parking.

(v.) Building Materials. All units shall be constructed with a cementitious siding material with a fifty (50) year warranty (i.e.: similar to James Hardi Plank or LP Smart Side siding) and architectural grade asphalt shingles. A

minimum of thirty (30%) percent of the front façade facing public streets shall be clad in brick/stone or masonry. Townhome buildings that do not face the public street shall provide a minimum thirty percent (30%) brick/stone or masonry on the front façade. Stucco shall not be considered a similar masonry material. Additionally, door and window trims shall be utilized throughout the design.

(vi.) Façade Design. Not more than one hundred and eighty (180) feet of continuous building façade width shall face out to the public streets. Front facades shall be varied such that no more than two (2) out of six (6) units within a block are similar or that each block of units provides a different design or theme. Differentiation may be accomplished by modifying a minimum of two of the following elements; façade surface materials/colors, roofline, pitches or the use of dormers, location or proportion of front porches, and location or proportion or style of garage doors.

(vii.) Front Porches. Porch/stoop design is highly encouraged for those units that face the public streets. Porch/stoop dimension should be not less than six (6) feet in width from the living space.

(viii.) Roof Pitch. Where primary roof design is pitched, then pitch shall be a minimum of 4:12. A 4:12 roof pitch shall be allowable provided it is a full hip design. The use of dormers, cupola, and articulation is highly encouraged. Roofs shall be covered with a minimum of thirty (30) year architectural shingles. Low sloped roofs shall be allowed when incorporated into the overall character of the neighborhood.

(ix.) Orientation. Townhome buildings placed along public streets shall orient the front façade and front doors toward the public street.

(o) Multi-Family. The following regulations shall be applicable to any multi-family unit constructed within the Mixed-Use area.

(i.) Minimum Dwelling Size. The minimum finished floor area shall be five hundred (500) square feet.

(ii.) Height. The maximum height of any standalone multifamily building shall be four (4) stories above grade (fifty-five (55) feet maximum). See Buffering in Section 12 for further requirements.

(iii.) Parking. A minimum of one and one half (1.5) parking stalls per unit shall be provided. A minimum of fifty percent (50%) of the units shall be required to provide one (1) covered parking space (underground garage, attached garage or detached garage). Parking lots and detached garage structures shall not face the public streets. Accommodations for bicycle

parking should be provided as part of the site design. A terminal landscaping island shall be provided at the beginning and end of every parking row. No more than twenty (20) parking spaces shall be provided without a landscaped island.

(iv.) Building Materials. All units shall be constructed with a cementitious siding material with a fifty (50) year warranty (i.e.: similar to James Hardi Plank or LP Smart Side siding) and architectural grade asphalt shingles or flat roofs with parapet walls. A minimum of forty (40%) percent of the front façade shall be clad in brick/stone or masonry. Additionally, door and window trims shall be utilized throughout the design.

(v.) Façade Design. Not more than one hundred and eighty (180) feet of continuous building façade width shall face out to the public street. Building facades shall include a variety of architectural elements in order to bring the scale of the large building down to that of the adjoining single-family neighborhood. The use of dormers, cupola, and articulation of the roof is required in order to bring the scale of the large building down to that of the adjoining single-family neighborhoods.

(vi.) Roof Pitch. Where primary roof design is pitched, then pitch shall be a minimum of 4:12. A 4:12 roof pitch shall be allowable provided it is a full hip design. The use of dormers, cupola, and articulation is highly encouraged. Roofs shall be covered with a minimum of thirty (30) year architectural shingles. Low sloped roofs shall be allowed when incorporated into the overall character of the neighborhood.

(p) Common Spaces. Planned plazas, patios, courtyards or other similar public spaces are encouraged and expected to be included as part of the site design.

(q) Signage. All signs constructed upon the site shall be in conformance with the Grimes Zoning Ordinance.

(r) Outdoor Storage. No outdoor storage is permitted upon the site.

11) Buffering

(a) Provision of Buffers. The provision of adequate buffering and landscaping shall be thoroughly evaluated and approved by the HCRC and City of Grimes as part of the site plan approval. Additional buffer and landscaping may be required at that time in response to additional details of the use, buildings, parking, loading docks, mechanical equipment, etc. to be implemented.

(b) Commercial Buffers. Landscape buffers for commercial properties and the planned sports complex areas must include a thirty (30) foot buffer when adjacent to single-family residential areas.

(c) Mixed-Use Buffers. Landscape buffers for townhome areas within the mixed-use zone shall include a thirty (30) foot buffer when adjacent to single-family residential lots.

Landscape buffers for multi-family areas and commercial areas within the mixed-use zone shall include a fifty (50) foot buffer when adjacent to single-family residential lots. Landscape buffers for multi-family areas within the mixed-use zone shall include a thirty (30) foot buffer when adjacent to townhome areas.

(d) Buffer Landscape Quantities. Thirty (30) foot landscape buffers shall provide the following number of trees per fifty (50) feet of linear buffer: One (1) overstory tree, two (2) understory trees and two (2) evergreen trees. Fifty (50) foot landscape buffers shall provide the following number of trees per fifty (50) feet of linear: Two (2) overstory trees, two (2) understory trees and three (3) evergreen trees.

(e) Berming and Screening. Earth berming shall be implemented whenever possible to enhance buffering and screening of otherwise negative site elements and to aid in ensuring year-round screening but is not required. Buffers should be designed to achieve the maximum amount of screening of negative elements from the maximum number of viewpoints with vegetation layered to ensure adequate blockage of views and to create depth and a sense of naturalness. Care should be taken to ensure that 'thru-views' under tree canopies are adequately blocked. It is recognized that some views of businesses are desired; therefore, buffer vegetation may be clustered and situated to screen parking and drive throughs associated with the businesses and other negative site elements such as trash enclosures, transformers, loading docks, etc.

(f) Continuity. Buffers shall be so designed so as to serve as a visual continuation of existing buffers and/or as a unifying element within the development. Buffers adjacent to streetscapes shall make a natural transition in order to be visually cohesive.

12) Lighting

(a) Parking Lot Lighting. Parking lot lighting shall be black in color.

(b) Public Street Lighting. Street Lighting associated with public streets shall be standard MidAmerican Energy Street Lights and black in color.

(c) Sports Complex Lighting. The Sports Complex shall be illuminated to a nationally recognized standard for athletics.

13) Public Improvements

(a) Public Improvements. Public Improvements include the construction of the following:

(i.) Property Owner agrees that certain public improvements to NE Heritage Drive from NE Gateway Drive to NE 13th Street shall be made. These improvements shall include, but are not limited to, thirty-one (31) feet of PCC pavement, associated public and private utilities, streetlights and sidewalk.

(ii.) Property Owner agrees that certain public improvements to NE 10th Street from NE Heritage Drive to NE Gateway Drive shall be made. These improvements shall include, but are not limited to, thirty-one (31) feet of PCC pavement, associated public and private utilities, streetlights and sidewalk.

(iii.) Property Owner agrees that certain public improvements to NE 12th Street from NE Heritage Drive to the existing termination of NE 12th Street at the west property line shall be made. These improvements shall include, but are not limited to, twenty-nine (29) feet of PCC pavement with turn lane configurations, associated public and private utilities, streetlights and sidewalk.

(iv.) Property Owner agrees that certain public improvements to NE 12th Street from NE Heritage Drive to NE Gateway Drive shall be made. These improvements shall include, but are not limited to, twenty-nine (29) feet of PCC pavement with turn lane configurations, associated public and private utilities, streetlights and sidewalk.

(b) Public Sidewalks. Five (5) foot PCC public sidewalks shall be provided on all sides of public streets.

(c) Trails. An eight (8) foot trail shall be provided along the west side of NE Gateway Drive, along the west side of NE Heritage Drive, either the north or south side of NE 10th Street and the north side of NE 12th Street between NE Heritage Drive and NE Gateway Drive.

(d) Construction/Bonds. All streets listed above shall be constructed in accordance with SUDAS and all City of Grimes standards. At the time of completion, a four (4) year maintenance bond for the paving and subgrade preparation shall be submitted.

14) Parkland

(a) Parkland Dedication. The area includes approximately eleven and nine tenths (11.9) acres. The dedication shall occur with the platting of adjacent properties and street lots.

(b) Storm Water Management Facilities. The proposed parkland includes approximately four and one half (4.5) acre wet bottom pond.

(c) Connectivity. Per previous sections, pedestrian connections to parkland areas to be encouraged where feasible.

15) Amendment Procedure. The terms of this Agreement may be amended by mutual agreement of the Parties hereto, following a notification process to surrounding Property Owners, a review by the Grimes Planning and Zoning Commission and a Public Hearing before the Grimes City Council.

16) Security; Lien Rights of City. In the event that the City makes any payments or incurs any costs in connection with the Improvements, which payments or costs are agreed to be paid by Property Owner pursuant to this Agreement, Property Owner hereby agrees that the City shall have a lien on the Property in the amount agreed to be paid by Property Owner. Such lien by the City shall be released by written instrument recorded upon payment in full of the amount that Property Owner is obligated to pay. In the event that such a lien arises, the parties agree that the Property subject to such lien shall not be further platted or divided and no building permits shall issue until such lien is satisfied.

17) Binding Personal Obligation and Assignment. The parties hereby acknowledge that the security provided for in this Agreement is not the exclusive remedy available to the City. The obligations of the Property Owner hereunder are personal. In addition to the lien rights described in this Agreement, the City shall have all remedies available to it at law or in equity under the laws of the State of Iowa. The personal obligations of the Property Owner shall not be assignable, and the parties shall not be released from the obligations hereunder by virtue of such assignment, unless prior written approval of such assignment and release is given to the City. In the event that Property Owner sells a plat to a new owner, the City shall agree to the assignment of the obligations created under this Agreement to the purchaser.

18) Warranty of Title. Property Owner hereby warrants to the City that Property Owner is the owner of the Property and hereby covenants to defend Property Owner's title to the Property for purposes of this Agreement.

19) Binding. The terms and conditions of this Agreement shall be binding upon and shall inure to the benefit of the heirs, successors and assigns of the respective parties hereto, and all of the terms and conditions of this Agreement shall constitute conditions, covenants and restrictions running with the land in perpetuity for the Property; provided, however, upon the Petition of the then owner of the Property or any portion thereof, the parties hereto agree that the terms of the ordinances of the City of Grimes and the laws of the statutes and courts of the State of Iowa governing rezoning shall control the change in such zoning as to the property owned by the person so petitioning.

20) Effective. This Agreement is subject to and contingent upon approval by the Grimes City Council of the rezoning of the Property in accordance with paragraph 1. In the event the Grimes City Council does not approve said zoning change, this Agreement shall be null and void.

21) Recording. This Agreement shall be recorded with the Polk County, Iowa, Recorder, as an exhibit to the ordinance rezoning the Property and shall constitute a valid and effective agreement pursuant to the terms and conditions of Section 414.5 of the Iowa Code.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

CITY OF GRIMES, IOWA

By:_____

Scott Mikkelsen, Mayor

Attest:

_____

Rochelle Williams, City Clerk

STATE OF IOWA)

) ss.

COUNTY OF POLK)

On this ____ day of _____, 20__, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Scott Mikkelsen and Rochelle Williams, to me personally known, and, who, being by me duly sworn, did say that they are the Mayor and City Clerk, respectively, of the City of Grimes, Iowa; that the seal affixed to the foregoing instrument is the corporate seal of the corporation, and that the instrument was signed and sealed on behalf of the corporation, by authority of its City Council, as contained in Resolution No. _____ adopted by the City Council, under Roll Call of the City Council on the ____ day of _____, 20__, and that Scott Mikkelsen and Rochelle Williams acknowledged the execution of the instrument to be their voluntary act and deed and the voluntary act and deed of the corporation, by it voluntarily executed.

_____

Notary Public in and for the

State of Iowa

My Commission expires _____

PROPERTY OWNER

Hope Development and Realty, LLC

By: Reza Kargarzadeh

Signature: _____

Title: _____

STATE OF IOWA)

) ss:

COUNTY OF Polk)

On this 21 day of April, 2023, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Reza Kargarzadeh, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that the person executed the instrument as the voluntary act of the person.

Amanda Harwell

Notary Public in and for the

State of Iowa

My Commission expires 6/21/24

NOTARIAL SEAL IOWA
AMANDA HARWELL
Commission Number 811205
My Commission Expires
6/21/24

Exhibit A

Legal Description

ALL OF HOPE COMMERCIAL PLAT 4, AN OFFICIAL PLAT

AND

OUTLOT 'T', HERITAGE AT GRIMES PLAT 2, AN OFFICIAL PLAT

ALL IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND CONTAINING 168.59 ACRES MORE OR LESS.

Exhibit B
Master Plan

NE 15TH STREET
NE HERITAGE DRIVE
NE BEAVERBROOKE BLVD
NE GATEWAY DR.
NE 5TH ST.
NE 2ND CT.
E 1ST ST.
42ND ST

NOTE
PUD IS FOR REFERENCE PURPOSES ONLY. FINAL DESIGN IS SUBJECT TO CHANGE AND WILL NOT BE REFLECTED ON THIS PLAN IN THE FUTURE.

HOPE COMMERCIAL PUD

03/17/2023

CIVIL DESIGN ADVANTAGE

0' 150' 300' 450'

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM: Third & Final Reading Ordinance 782 – Grimes Rental Housing Program

BACKGROUND:
At the March 28th Council Meeting, staff provided an update to the City Council on the Rental Housing Program and asked that a public hearing be established. Following the setting of the hearing, City staff held two public information meetings regarding the rental housing program. Overall, 42 individuals attended the public information meetings, which represented approximately 20% of the rental owners within the City of Grimes. Questions regarding scheduling, inspections and fees were fielded, and overall staff felt that the meeting was positive and well received.

The program that has been proposed is built around a goal of being minimally impactful. This can be applied to the rental owners, as well as rental tenants. With that in mind, the following is a brief synopsis of the rental program framework.

Registration Cycle: 2 Years
Self-Inspection Certification: 2 Years (Owner)
Audit Inspection: 4 Years (City)
Fees: Single Family, Duplex, Townhomes: $70.00
Apartment, Condo: $70.00 per structure/1st unit, $30.00 per unit after.
Registration Incentive: 10% reduced fee, capped at $500.00 per property.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: YES

*High-Performing Organization/Exception Professional Services **X**
*Great Place to Live/Expanded Quality of Life Amenities _____
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community **X**

BOARD/COMMISSION ACTION(S): N/A

STAFF RECOMMENDATION: Approval of Ordinance 782

RESPONSIBLE STAFF/CONTACT INFORMATION:
Alex Pfaltzgraff
apfaltzgraff@grimesiowa.gov
515-986-4050

Prepared by: Alex Pfaltzgraff, Development Services Director
Return to: Alex Pfaltzgraff, Development Services Director

ORDINANCE 782

AN ORDINANCE AMENDING CHAPTER 11-3 PROVISIONS OF THE BUILDING AND PROPERTY REGULATIONS OF THE CITY OF GRIMES, IOWA, REGARDING THE ADOPTION OF THE GRIMES RENTAL PROGRAM

BE IN ENACTED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

SECTION 1. Purpose. The purpose of this Ordinance is to amend Grimes Code of Ordinance Chapter 11-3 which defines the requirements for the Grimes Rental Program.

SECTION 2. Amendment. The Grimes Code of Ordinance Chapter 11-3 is amended.

See attached Exhibit A

SECTION 3. Amendment. As part of making the City of Grimes Code of Ordinances available online, editors may make certain formatting and typographical changes, such as renumbering or re-designating sections; adding or modifying subsection headings; modifying bracketed or referenced citations for uniformity; or changing cross-references, dates of enactment, or classification information, which are purely technical and do not change the meaning of the Code.

SECTION 4. Repealer. All ordinances or parts of ordinances in conflict with the provisions of these ordinances are hereby repealed.

SECTION 5. Severability Clause. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 6. Effective Date. This ordinance shall be in effect after its final passage, approval and publication as provided by law.

Passed by the City Council on this___day of _____and approved on this___ day of ____, 2023.

_____
Scott Mikkelsen, Mayor

_____
Rochelle Williams, City Clerk

11-3 Grimes Rental Program

Contents:

11-3-1 Purpose
11-3-2 Scope
11-3-3 Code Adopted
11-3-4 Code Reference
11-3-5 Interpretations
11-3-6 Indemnification
11-3-7 Building Inspector
11-3-8 Deletions
11-3-9 Amendments, Modifications, Additions, Deletions and Definitions
11-3-10 Rental Certification Requirements and Conditions
11-3-11 Inspections
11-3-12 Complaint by Tenant
11-3-13 Collection of Fees, Fines and Costs
11-3-14 Appeals
11-3-15 Violations

Draft

11-3-1 Purpose

~~Pursuant to published notice and public hearing as required by law, the 2018 International Property Maintenance Code is hereby adopted in full except for such portions as may hereinafter be deleted, modified or amended. An official copy of the 2018 International Property Maintenance Code is on file in the office of the Clerk.~~

In compliance with Chapter 364.17 of the Iowa Code, it is the purpose of this chapter to require property owners, their agents and others who rent residential dwelling/sleeping units to meet their responsibilities with respect to premise safety and to provide for inspection as a means of compelling compliance therewith. It is not the purpose of this chapter to create any duty on the part of the City, its officers, agents or employees, owing to any individual member of the public or to protect any particular or circumscribed class of persons. Specifically, it is not the intent of this chapter to create any duty or liability by the City, its officers, agents or employees, to premises' occupants, owners, tenants or any other person.

11-3-2 Scope

~~The following deletions, modifications and amendments are made to the International Property Maintenance Code, 2018 Edition, herein after referred to as the IPMC.~~

1. ~~Section 101, Title; insert City of Grimes, Iowa as name of jurisdiction.~~
2. ~~Section 102 of IPMC, "Applicability, Sub-section 102.1 General," by inserting the following after the first paragraph:~~

   ~~Partial Invalidity: In the event that any part or provision of this code is held to be illegal or void, this shall not cause any other part or provision of this code to illegal or void.~~

3. Amend Section 102.3 by deleting "International Zoning Code" and inserting "applicable codes that are adopted by the City of Grimes".
4. Amend Section 102 Applicability by adding the following subsection thereto:

   Section 102.11 Permits required. No or structures regulated by this code shall be erected, constructed, enlarged, altered, repaired, moved, improved, removed, converted or demolished unless a separate permit for each building or structure has been obtained from the Building Official in the manner and according to the applicable conditions prescribed in the Building Codes.
5. Section 103.1, General is amended by deleting "the department of property maintenance inspection" and inserting "Building Department," and by replacing "Code Official" with "Building Official". Throughout this code wherever these words appear this is how they shall be interpreted.
6. Amend Section 104.2, Inspections of the IPMC, by inserting the following after the first paragraph:

   Personnel currently employed by the City of Grimes and actively working in the Building Department as a Building Inspector, Building Official, or working in the Fire Department as a Fire Fighter, Fire Marshall or Fire Chief or any similar position as determined by the City, are hereby deemed as qualified, certified, licensed or otherwise authorized to perform electrical, mechanical, plumbing, fire, building, rental housing and property maintenance inspections and to perform any similar duties necessary to enable compliance with the adopted code provisions of the City, and to fulfill the duties and responsibilities specifically listed in the job descriptions of said personnel.
7. Delete Chapter 113 Board of Appeals - Replace with:

   City Ordinance Chapter 3-6 Board of Appeals

   Add: 111.1 Application for appeal.

   Any person directly affected by a decision of the Code Official or a notice or order issued under this code shall have the right to appeal to the board of appeals, provided that a written application for appeal is filed within 10 days after the day the decision, notice or order was served. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are adequately satisfied by other means.
8. Section 202 general Definitions shall be amended by adding the following subparagraphs thereto:

   "Apartment House" is any building or portions thereof that contains three or more Rental Dwelling Units, and for the purpose of this code, includes Residential Condominiums and Townhomes.

   "Rental Dwelling Unit(s)" is any building or portion thereof that contain living facilities, including provisions for sleeping, eating, cooking and sanitation as required by this code and rented for monetary compensation.

   "Congregate Residence" is any building or portion thereof that contain facilities for living, sleeping and sanitation, as required by this code, and may include facilities for eating and cooking, for occupancy by other than a family. A congregate residence may be a shelter, covenant, monastery, dormitory, fraternity or sorority house, but does not include jails, hospitals, nursing homes or lodging houses.
9. Section 302.4 Weeds is amended by deleting and inserting "12 inches".
10. Section 303.2 Enclosures is amended by inserting the following sentence to the exception: "This is at the discretion of the Building Official".
11. Section 304.12 Amend Handrails and Guardrails by adding the following sentence thereto:

Draft

~~"Handrails and guard rails shall meet the requirement of the International Building or Residential Code enforced at the time of inspection. Exception: For buildings constructed prior to adoption of this Chapter, handrails/guardrails, which are structurally sound and provide the same height and opening protection as was required by the building code when the structure was originally constructed."~~

12. ~~Section 307.1 General is amended by deleting the paragraph and exception and inserting the following paragraph thereto:~~

    ~~"Handrails and guardrails shall meet the requirement of the International Building or Residential Code enforced at the time of inspection. Exception: For buildings constructed prior to adoption of this Chapter, handrails/guardrails, which are structurally sound and provide the same height and opening protection as was required by the building code when the structure was originally constructed."~~

13. ~~Section 602.3 Heat Supply and 602.4 Occupied Work Spaces shall be amended by inserting September 1st through May 30th for the [DATE] to [DATE] in each section.~~

14. ~~Section 604.2 Service shall be amended by adding the following sentence thereto:~~

    ~~"Single-Family, Duplex and Row Townhomes shall have a minimum of 100 amperes."~~

15. ~~Section 604.2 Service is amended by inserting the following subparagraph thereto:~~

    ~~"Exception: For buildings constructed prior to the adoption of this Chapter, services that are below 100 Amps but no less than 60 Amps, and in good, safe and operational order as required by the building code when the structure was originally constructed."~~

16. ~~Section 605.2 Receptacles is amended by inserting the following subparagraph thereto:~~

    ~~"All general purpose outlets requiring GFCI protection as required by the National Electric Code enforced at the time of inspection shall be in place."~~

    The provisions of this chapter shall apply to the maintenance, repair, equipment, use, and occupancy of all residential rental buildings and accessory structures now in existence or hereafter constructed, habilitated, renovated, or converted to residential use within the corporate limits, including, but not limited to, single- and two-family dwellings, multiple-family dwellings and rooming/sleeping units with the following exceptions:

    1. Single-family dwellings occupied by the owner, or members of that owner's immediate family. Such members are defined as parents, grandparents, children, and grandchildren.

    2. A duplex, at least one of the units of which is occupied by the owner, and the other unit is occupied by a member of that owner's immediate family. Such members are defined as parents, grandparents, children, and grandchildren.

    3. Transient shelters and group homes subject to state licensing.

    4. Hotels, motels, extended stay hotels, and other similar uses subject to state licensing.

11-3-3 Code Adopted

The Building Official, Fire Chief and/or their designated representative are hereby authorized and directed to enforce all the provisions of this chapter. For such purposes, the Building Official, Fire Chief and/or their designated representative shall have the power to render interpretations of this chapter and to adopt and enforce rules and supplemental regulations to clarify the applications of its provisions.

1. Inspections shall not be conducted with a minor as the sole representative of the owner(s)/agent. Inspections shall not be conducted against the will of the tenant without the building owner(s)/agent being present. Inspections shall not be conducted without prior notice to the tenant, as required by Iowa Law.
2. When receiving or responding to complaints from rental property tenants, the City will typically intervene only if the tenant has presented their concerns in writing to the owner(s)/agent with a ten (10) day notice to respond, and the owner(s)/agent has failed to respond. Exception: Life/Fire safety issues such as smoke detectors, blocked exits, exposed wiring or similar.

For the purposes of this Residential Rental Code, the International Property Maintenance Code (IPMC) 2021 Edition and Appendix A therein along with the other provisions within this chapter are hereby adopted and shall be further known as the City of Grimes Residential Rental Code. An official copy of the International Property Maintenance Code, 2021 Edition, as adopted, and a certified copy of this chapter can be viewed in the Development Services Department.

11-3-4 Code Reference

When it is necessary to make an inspection to enforce the provisions of this code, or when the Building Official has reasonable cause to believe that there exists in a building or upon a premises a condition that is contrary to or in violation to this code that makes the building or premises unsafe, dangerous or hazardous, the Building Official may enter the building or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such building or premises be occupied that credentials be presented to the occupant and entry requested. If such building or premise be unoccupied, the Building Official shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the Building Official shall have recourse to the remedies provided by law to secure entry.

1. Building Codes Referenced. The International Building Code, International Residential Code, International Fire Code, National Electric Code, International Plumbing Code, International Mechanical Code, and International Fuel Gas Code that are adopted and enforced at the time of inspection are adopted, as referenced for requirements, location, and maintenance of building elements needed to provide structural, fire, and building safety for occupants. This includes, but is not limited to, stairways, smoke detectors, sprinklers, handrails/guardrails, lighting, and exits unless otherwise stated in this chapter.

2. Public Health. Those nuisances and public health conditions not addressed by this Code of Ordinances shall be governed and regulated by the respective County Department(s) of Health.

11-3-5 Interpretations

Whenever any building or structure or equipment therein regulated by this code is being used contrary to the provisions of or does not meet the requirements of the Grimes Code of Ordinances, the Building Official may order repairs to remedy said infraction or may order such use discontinued and the structure, or the portion thereof, vacated by notice served on any person causing such use to be continued. Such person shall discontinue the use or remedy the infraction within a time prescribed by the Building Official after receipt of such notice to make the structure, or portion thereof comply with the requirements of this code. If the property is a rental unit or structure the Building Official shall have the power to start eviction proceedings.

1. In interpreting and applying the provisions of this chapter, such provisions shall be held to the minimum requirements for the promotion of the public health, safety, and welfare. These regulations shall be construed broadly to promote the purposes for which they are adopted.

2. These regulations are not intended to interfere with, abrogate, or annul any other ordinance, rule, or regulation, statute, private covenants, or other provision of law except as provided in these regulations. If a conflict between requirements appears within this chapter, the most restrictive requirement shall prevail.

3. Information erroneously presented by any official or employee of the City does not negate or diminish the provisions of this chapter pertaining thereto.

4. Whenever a number of days is specified in this chapter, or in any permit, condition of approval or notice issued or given as set forth in this chapter, such number of days shall be deemed to be consecutive calendar days, unless otherwise specified.

5. Whenever application of this chapter results in standards being expressed in fractions of whole numbers, such fractions are to be rounded to the next higher whole number.

6. No action of the City, its City Council, Development Services Department staff, or the Board of Appeals shall be deemed invalid by reason of failure to comply with or conform to the provisions of this chapter, provided that the procedural requirements of the Code of Iowa have been met.

7. It is the intent of this chapter that all questions of interpretation and enforcement shall be first presented to the administrative official, and that such questions shall be presented to the Board of Appeals only on appeal from the decision of the administrative official and that recourse from the decision of the Board of Appeals shall be as provided by law.

11-3-6 Indemnification

~~Tenants can and shall be evicted from the premises by the Building Official after proper notice of violations. Shall it become necessary for the Building Official to proceed with eviction procedures, all legal and actual cost associated with the action shall be paid in full by the owners, agents or others prior to any tenant being allowed to reoccupy the structure. If the owners, agents or others fail to pay all cost after the 3rd notice the City of Grimes shall have the right to apply a lien on said property all cost associated with the action.~~

The applicant for any rental certificate under this chapter, by making such application, assumes and agrees to pay for all loss or damage to property whatsoever, and injury to or death of any person or persons whomsoever, including all costs and expenses incident thereto, however arising from or in connection with or related to the issuance of such rental certificate or the doing of anything thereunder, or the failure of such applicant, or the agents, employees, or servants of such applicant, to abide by or comply with any of the provisions of this chapter or any other ordinance of the City; and such applicant, by making such application, forever indemnifies the City, its officers and employees and agrees to save it and them harmless from any and all claims, demands, lawsuits, or liability whatsoever for any loss, damage, injury or death, costs and expenses, by reason of the foregoing even though acts or omissions of the City, its officers or employees may have caused or contributed thereto. The foregoing provisions shall be deemed to be a part of any certificate issued under this chapter whether expressly recited therein or not.

11-3-7 Building Inspector

~~The provisions of this chapter shall not apply to the United States of America and the State of Iowa or any of their agencies.~~

It shall be the duty of the Building Official, appointed under provisions and direction of the Development Services Director, to administer and enforce the provisions of this chapter and to make any required inspections or tests. For the purposes of this Residential Rental Code they may also be referred to as the Code Official. A person or persons may be appointed as assistants or agents of the Building Official or Development Services Director as may be necessary to carry out the provisions of this chapter. For the purpose of making inspections, tests, or otherwise discharging their official duties, the Code Official or inspector shall have the right to enter at any time any building, site, or manhole upon notifying the company or individual owning or having charge or control of the same.

11-3-8 Deletions

~~An owner's failure to comply with the provisions of Section 11-3-4 or Section 11-3-5 constitutes a municipal infraction of the City of Grimes Ordinance. A municipal infraction shall subject the owner to a civil penalty as set forth in Grimes Code of Ordinances Chapter 1-3.~~

The following sections are deleted from the International Property Maintenance Code, 2021 Edition, and are of no force or effect in this chapter:

1. Section 103 Department of Property Maintenance.

2. Section 106 Violations.

3. Section 111 Means of Appeal.

11-3-9 Amendments, Modifications, Additions, Deletions and Definitions

~~11-3-9~~

~~Lorem ipsum dolor sit amet~~

Draft

~~[There are no ordinances associated with this section.]~~

The following amendments, modifications, and additions to the International Property Maintenance Code (IPMC) 2021, Edition, are hereby made:

1. Amend Section 101.1 Title, by inserting City of Grimes, Iowa as name of jurisdiction.

2. Amend Section 101.2 Scope, by deleting "residential and nonresidential" and replacing it with "residential rental" so that the scope of this chapter and Residential Rental Code is limited to rental housing only.

3. Amend Section 102.1 of IPMC, "Applicability, Sub-section 102.1 General," by inserting the following after the first paragraph: Partial Invalidity: In the event that any part or provision of this code is held to be illegal or void, this shall not cause any other part or provision of this code to illegal or void.

4. Amend Section 102.11 Applicability by adding the following subsection thereto: Section 102.11 Permits required. No or structures regulated by this code shall be erected, constructed, enlarged, altered, repaired, moved, improved, removed, converted or demolished unless a separate permit for each building or structure has been obtained from the Building Official in the manner and according to the applicable conditions prescribed in the Building Codes.

5. Amend Section 102.3 By deleting "International Zoning Code" and inserting "applicable codes that are adopted by the City of Grimes."

6. Amend Section 103.1. Creation of Agency, by inserting "Development Services Department."

7. Amend Section 105.2, Inspections of the IPMC, by inserting the following after the first paragraph: Personnel currently employed by the City of Grimes and actively working in the Building Department as a Building Inspector, Building Official, or working in the Fire Department as a Fire Fighter, Fire Marshall or Fire Chief or any similar position as determined by the City, are hereby deemed as qualified, certified, licensed or otherwise authorized to perform electrical, mechanical, plumbing, fire, building, rental housing and property maintenance inspections and to perform any similar duties necessary to enable compliance with the adopted code provisions of the City, and to fulfill the duties and responsibilities specifically listed in the job descriptions of said personnel.

9. Delete Chapter 108 Board of Appeals - Replace with: City Ordinance Chapter 3-6 Board of Appeals

11. Amend Section 202. General Definitions, by adding the following definitions:

"Agent" means an individual of legal majority who has been designated by the owner as the agent of the owner or manager of the property under the provisions of this chapter.

"Apartment house or multi-family residence" means any building or portion thereof which is designed, rented, leased, ~~or~~ hired out to be occupied, or which is occupied as a dwelling or residence of two or more families living independently of each other and doing their own cooking in said building.

"Bed and breakfast" means an owner-occupied dwelling unit that contains more than one guest room where lodging, with or without meals, is provided for compensation.

"Dwelling unit" means a single unit providing complete independent living facilities for a family, including permanent provisions for living, sleeping, eating, cooking, and sanitation. For the purposes of this definition, a bed, day bed, couch, futon, or other similar multipurpose sleeping furniture shall constitute the provisions for sleeping. Similarly, a hotplate, microwave, toaster oven, or similar cooking appliance shall constitute the provisions for cooking.

"Hotel" means one or more buildings containing six or more guest rooms, with such rooms being designed, intended to be used, or are used as temporary or overnight accommodations for guests in which daily services of linen change, central telephone switchboard, towel change, general cleaning, and a registration lobby staffed on a 24 hour daily basis are provided by the management. Access to all rooms shall be provided through one or more common entrance(s). All hotels shall be licensed and inspected by the State of Iowa in accordance with Chapter 137C of the Code of Iowa.

"Hotel, extended stay" means one or more buildings containing six or more guest rooms with the provisions necessary for living, sleeping, eating, cooking, and sanitation, with such guest rooms being designed, intended to be used, or are used as a temporary residence not exceeding six months, which weekly services of linen change, central telephone switchboard, towel change, general cleaning, and a registration lobby staffed on a 24 hour daily basis are provided by the management. Access to all rooms shall be provided through one or more common entrance(s). All extended stay hotels shall be licensed and inspected by the State of Iowa in accordance with Chapter 137C of the Code of Iowa.

"Kitchen" means any room or portion of rooms which are occupied or are intended and designed to be used for cooking and preparation of food, including any room having a sink and provisions for either a gas or electric stove.

In addition to the above definitions, the following criteria shall be utilized to determine if the intent of a single family dwelling unit has been met:

There shall not be more than one kitchen for each single family zoned property address with the following exception: additional sinks, wet-bars, or kitchen areas will not be considered an additional kitchen provided walls, floors, and locking doors, as specified below, do not separate the dwelling into multiple tenant use.

There shall not be more than one electric meter, gas meter, or water meter for each single family zoned property address.

There shall not be any walls or floor/ceiling assemblies in any single family zoned property address, which separates the one-family dwelling into more than one unit. Determining factors shall include locked or locking interior doors and separate entrances, which make portions of the unit inaccessible to all "family" members.

"Motel" means one or more buildings containing six or more guest rooms, with such rooms being designed, intended to be used, or are used as temporary or overnight accommodations for guests in which daily services of linen change, central telephone switchboard, towel change, general cleaning, and a registration lobby staffed on a 24 hour daily basis are provided by the management. Individual access to each room shall be provided from outside of the building. Each room may be equipped with cooking facilities. All motels shall be licensed and inspected by the State of Iowa in accordance with Chapter 137C of the Code of Iowa.

"Rental certificate" means a certificate that is issued by the Development Services Department after written application if the dwelling unit, at the date of such application, is entitled thereto. Such a certificate shall thereafter be known as a rental certificate.

"Rental unit" means any house or building or portion thereof which is occupied in whole or part as a home or residence of one or more tenants, on a rental basis, or when, in return for housing, a tenant agrees to occupy and maintain the premises and pay utilities. A dwelling unit that is being rented for a period of 90 days or less in a single calendar year or a portion of such dwelling unit shall be exempt from this chapter.

"Tenant" means: (i) a person occupying a dwelling unit who pays (or has payments made on their behalf) a stated payment at fixed intervals for the use of the dwelling unit; or (ii) a person occupying a dwelling unit owned by another individual, who, in return for housing, agrees to occupy and maintain the premises and pay utilities.

12. Amend Section 302.4. Weeds, by deleting "jurisdiction to insert height in inches" and inserting "twelve inches on the average."

13. Amend Section 303.2., by deleting Enclosures and inserting "Enclosures, covers, and gates protecting swimming pools and hot tubs and spas shall be installed and maintained in accordance with Title 11 of the city code."

14. Amend Section 304.14. Insect Screens, by inserting "April 1st to November 1st" as applicable dates.

15. Amend 307.1 Handrails and Guardrails by delete this section and insert the following "General. Existing handrails and guardrails as constructed in accordance with standards in place at the time of the building's construction may be maintained. Handrails and guardrails undergoing any change, remodel or replacement shall be installed in accordance with the Grimes Building Code."

16. Amend Section 404.4.1 Room Area by Delete this section and insert the following: Every living room shall contain not less than 120 square feet and every bedroom shall contain not less than 70 square feet.

17. Amend Section 404.5 Overcrowding by Deleting this section in its entirety, including table 404.5, and replace with the following.

Dwelling units shall not be occupied by more occupants than permitted by the minimum area requirements of the following table.

Room Type	Room Area	Maximum Occupant Load
Bedroom	At least 70 sq. ft. but less than 120 sq. ft.	1 per room
Bedroom	120 sq. ft. to 180 sq. ft.	2 per room
Bedroom	180 sq. ft. or more	3 per room
Multipurpose Room	At least 70 sq. ft.	1 per room, not more than 2 per dwelling unit

See section 202 for bedroom definition

For the purposes of this section, a multi-purpose room may include a living room, den, study, or other similar room that by design or layout is not primarily intended to be used as a bedroom, but that is otherwise habitable and provides accommodations for sleeping such as a bed, daybed, couch, futon or similar multipurpose sleeping furniture.

18. Amend Section 602.3. Heat Supply, by inserting "September 1st to May 30th" as applicable dates.

19. Amend Section 602.4. Occupiable Work Spaces, by inserting "September 1st to May 30th" as applicable dates.

20. Add section 603.7 Corrugated Stainless Steel Tubing (CSST) Corrugated stainless steel tubing shall be bonded to the electrical grounding system or panelboard utilized by the existing electrical service. This shall be done in accordance with the tubing manufacturer's recommendations.

21. Amend Section 604.2 Service by adding the following sentence thereto:

"Single Family, Duplex and Row Townhomes shall have a minimum of 100 amperes."

22. Amend Section 604.2 Service by inserting the following subparagraph thereto: "Exception: For buildings constructed prior to the adoption of this Chapter, services that are below 100 Amps but no less than 60 Amps, and in good, safe and operational order as required by the building code when the structure was originally constructed."

23. Add section 605.2.1 Kitchen Receptacles: All 15 and 20 amp receptacle outlets that serve kitchen countertop areas shall be ground fault circuit interrupter (GFCI) protected.

24. Add section 605.2.2 Bathroom Receptacles: All 15 and 20 amp receptacle outlets located within bathrooms shall be ground fault circuit interrupter (GFCI) protected.

25. Add section 605.2.3 Other Receptacle Outlet: All 15 and 20 amp receptacle outlets located within 6' of a sink shall be ground fault circuit interrupter (GFCI) protected.

26 . Add section 605.2.4 Garage/Accessory Building Receptacles: All 15 and 20 amp receptacle outlets located within garages/accessory buildings shall be ground fault circuit interrupter (GFCI) protected.

27. Add section 605.2.5 Outdoor Receptacles: All 15 and 20 amp receptacle outlets located outdoors shall be ground fault circuit interrupter (GFCI) protected.

28. Amend Section 705.1 to add the following language to the end of the paragraph: In addition, carbon monoxide alarms and detectors shall be installed in accordance with Code of Iowa Section 661-Chapter 221.

29. Add new Section 705.3 with the following language: 705.3 Installation Locations. Installation locations shall be in conformance with the International Building Code, International Fire Code, International Residential Code, Code of Iowa, and at the location closest to the hazard of an attached garage or fuel-fired appliance.

11-3-10 Rental Certification Requirements and Conditions

~~11-3-10~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

1. Required Registration. After the effective date hereof, no person shall rent, lease, let, operate, or otherwise allow the occupancy of any dwelling unit or any portion of any dwelling unit (including sleeping rooms) unless they hold a valid rental inspection certificate issued by the Development Services Department.

2. Issuance. Following submission of a proper registration application, self-inspection checklist on forms provided by the Development Services Department, and review of the residential rental unit for compliance with the provisions of this chapter, the Development Services Department shall issue a rental certificate to the owner.

3. Rental Certificate Displayed. The owner of a multiple-family dwelling shall display a copy of the rental certificate in a common hallway or each building or in the on-site management office. The owner of a single-family or duplex dwelling must be able to show a copy of the rental certificate upon request.

4. New Units. New construction projects, which have received a final inspection and have passed and hold a full certificate of occupancy within the last two years from the adoption date of this chapter and has all required owner/agent information on file with the City, shall be considered to be in compliance with the provisions of this chapter for a period of two years from the adoption date.

5. Expiration. Prior to the expiration date of the rental certificate, the Development Services Department shall mail a renewal notice to the owner advising of the requirements for renewal of the rental certificate. Failure of the owner to complete the requirements for renewal will result in a late payment penalty being applied to the balance owed. If the renewal is not completed within 30 days following expiration of the rental certificate, a notice of violation will be issued to the property owner.

6. Revocation. Any rental certificate may be summarily revoked by the Board of Appeals upon the review of a notice of violation of any provision of this chapter. If, at the discretion of the Building Official, an emergency exists which threatens the immediate health, safety, or general welfare of the occupant(s) or general public, the Building Official may immediately issue an order suspending the rental certificate. Upon issuance of the order, the occupant(s) of the unit(s) shall immediately vacate the premises until the rental certificate is reinstated.

7. Transfer. Rental certificates shall not be transferable to succeeding owners. Rental certificates shall automatically terminate and become null and void, without further action of the City, upon transfer of property ownership or upon execution of an agreement to purchase property on contract.

Every seller of a residential rental property shall give notice to the Development Service Department within seven days after closing or execution of a contract for sale. This notice shall include the name and address of the buyer.

Every buyer of a residential rental property, including contract buyer, shall give notice to the Development Services Department within seven days after closing. This notice shall include the name and address of the buyer and their agent.

8. Outstanding Issues. If an owner has outstanding fees, fines, or violations on any property within the City, the issuance of a rental certificate may be withheld by the Development Services Department.

11-3-11 Inspections

~~11-3-11~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

1. Self-Inspection. The owner of the rental unit shall provide, on forms provided by the Development Services Department, a certification of self-inspection. The self-inspection checklist shall be provided for every unit being registered, and shall be provided every two (2) years with the submission of registration and certification forms.

2. Audit-Inspection. The Development Services Department shall seek to conduct an audit inspection of every rental unit within the corporate limits of the City every four (4) years. As part of the inspection process, the City may determine to extend or shorten the timeframe to the next scheduled inspection. Factors that may influence the City to inspect more or less frequently include, but are not limited to, the following:

A. Age and condition of building or unit;

B. Inspection history;

C. Tenant/management/resident complaints;

D. Natural disasters such as flooding;

E. Delayed maintenance/repairs, follow-up, or fee payments by the owner.

3. Inspections shall not be conducted with a minor as the sole representative of the owner(s)/agent. Inspections shall not be conducted against the will of the tenant without the building owner(s)/agent being present. Inspections shall not be conducted without prior notice to the tenant, as required by Iowa Law.

11-3-12 Complaint by Tenant

~~11-3-12~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

Unless there are significant health, safety, or general welfare issues, a tenant must first complain to the owner or agent. Complaint forms for that purpose will be available from the Development Services Department.

1. An owner or agent shall have seven days to address the complaint. If the complaint is not remedied to the tenant's satisfaction within ten (10) days, the Development Services Department will schedule an inspection with the tenant and owner. If violations are found, an inspection fee shall be charged to the owner.

2. No person shall pursue an action for eviction because the occupant has reported a violation of this chapter to the Development Services Department.

3. No person shall cause any service, facility, equipment, or utility required under this chapter to be removed, shut off, or discontinued in retaliation for a complaint.

11-3-13 Collection of Fees, Fines and Costs

~~11-3-13~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

1. The fees for activities and services performed by the Development Services Department in carrying out its responsibilities under this Residential Rental Code shall be as indicated in a fee schedule adopted from time to time by the City Council.

2. All fees, fines, penalties, and costs imposed upon an owner in the enforcement of this chapter shall be due when notice of the amount of such fees, fines, penalties, and costs is mailed to the owner.

A. If notice containing the information required by Section 364.17 of the Code of Iowa is given and the total amount of such fees, fines, penalties, and costs is not paid within 30 days of when due, or within 10 days of the final action of the Board of Appeals, then:

1. The owner shall be charged a late payment penalty in the amount set forth in the fee schedule adopted by the City Council from time to time;

2. Interest shall thereafter accrue on the unpaid balance at the rate of 1.5 percent per month; and,

3. The City may certify the unpaid balance, interest, and late payment penalty to the County Auditor as a lien upon the rental property for collection in the same manner as a property tax.

11-3-14 Appeals

~~11-3-14~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

Any person affected by a decision of the Building Official may request and shall be granted a hearing on the decision before the Board of Appeals as set forth in Chapter 3-6 of this Code of Ordinances. Such appeal shall be taken within 10 days by filing an application request on the forms provided by the Development Services Department. Additionally, the application must be accompanied with the appropriate fee as determined in the fee schedule adopted from time to time by the City Council. An appeal stays all proceedings in furtherance of the action appealed from, unless the Building Official certifies to the Board of Appeals after notice of appeal shall have been filed that by reason of facts stated in the certificate a stay would, in the opinion of the Building Official, cause imminent peril to life or property. In such case proceedings shall not be stayed other than by a restraining order which may be granted by the Board of Appeals or by a court of record on application, on due cause shown.

11-3-15 Violations

~~11-3-15~~

~~Lorem ipsum dolor sit amet~~

~~[There are no ordinances associated with this section.]~~

Violations of the provisions of this chapter, or failure to comply with any of its requirements, shall constitute a municipal infraction as set forth in Chapter 1-3 of this Code of Ordinances. Each day that a violation occurs shall constitute a separate offense. In the event that the City seeks court intervention for a violation of any provision of this chapter, the City may seek reimbursement for reasonable attorney fees and additional costs. Nothing herein contained shall prevent the City from taking such other lawful actions as necessary to prevent or remedy violations.

Draft

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Second Reading Ordinance 783 - Grimes Crossing Rezone

BACKGROUND:
The applicant, Sanav Venture, LLC, has submitted the necessary petition documents to initiate the Rezoning Process, for property generally located west of SE Gateway Drive and north of SE 8th Street. The 1.5-acre property is currently zoned General and Highway Service Commercial (C-2) and is identified as Mixed Use 1 (MU-1) on the Future Land Use Plan. The applicant is requesting to rezone the property from General and Highway Service Commercial District (C-2) to Medium Density Two or More Family Dwelling District (R-3 Medium).

The projected activity for this property is consistent with the Future Land Use Plan designation. The R-3 Medium zoning district will allow for medium density residential at a maximum density of 8 dwelling units per acre. As such, the applicant has provided a conceptual plan for the site showing twelve townhome units along with the associated private street, parking, and landscaping.

A Rezone Petition was submitted by neighboring property owners within the Dovetail Condominiums located south of the rezone property. The petition was received and filed at the previous Council meeting and requires a 4/5 vote of approval at each reading of the ordinance to approve the rezone request. Representatives of the Dovetail Condominiums presented their concerns with the rezone request at the previous meeting, primarily regarding trash management.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S):
Recommendation of Approval – Planning and Zoning – 05/02/2023

STAFF RECOMMENDATION:
Staff recommends approval of Ordinance 783.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

ORDINANCE #783

AN ORDINANCE AMENDING THE GRIMES OFFICIAL ZONING MAP, PURSUANT TO THE CODE OF ORDINANCES SECTION 12-3-5 TO PROVIDE FOR THE FOLLOWING REZONING REQUEST FOR GRIMES CROSSING AND ASSOCIATED ZONING CHANGE AND DEVELOPMENT AGREEMENT

SECTION 1. PURPOSE. This Ordinance is to amend the Official Zoning Map and the Comprehensive Land Use Map by rezoning approximately 1.5 acres legally described on Exhibit A (the "Property") from C-2 (General and Highway Service Commercial District) to R-3 Medium (Medium Density Two or More Family Dwelling District).

SECTION 2. ADDITIONAL ZONING RESTRICTIONS. As part of this Ordinance and the rezoning established herein, certain permanent conditions and restrictions are hereby imposed upon the Property, which conditions and restrictions are in addition to existing regulations for the R-3 Medium Classification. Said restrictions are set forth in the Zoning Change and Development Agreement (the "Agreement") by and between the City of Grimes, Iowa, and Sanav Venture, LLC. The Mayor is hereby authorized and directed to execute said Agreement on behalf of the City of Grimes, Iowa; and the City Clerk is hereby authorized and directed to attest to the signature of the Mayor. All such conditions and restrictions are established, and such Agreement executed and entered into, pursuant to and in accordance with the provisions of Section 414.5 of the 2021 Code of Iowa, as amended.

SECTION 3. REPEALER. All ordinances or parts of ordinances in conflict with the provisions of these ordinances are hereby repealed.

SECTION 4. SEVERABILITY CLAUSE. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 5: EFFECTIVE DATE. This ordinance shall be in effect after its final passage, approval and publication as provided by law.

Passed and approved by the City Council on this 27th day of July, 2023.

ATTEST:

_____
Scott Mikkelsen, Mayor

_____
Rochelle Williams, City Clerk

Exhibit A

Legal Description of Property

GRIMES CROSSING
ZONING CHANGE AND DEVELOPMENT AGREEMENT

THIS ZONING CHANGE AND DEVELOPMENT AGREEMENT ("Agreement") is made and entered into this____ day of _____, 2023, by and between the City of Grimes, IOWA, a municipal corporation (the "City") and Sanav Venture, LLC, (referred to herein as "Property Owner"), collectively referred to as ("the Parties");

WHEREAS, Property Owner owns certain real property located within the corporate limits of the City which is legally described on Exhibit "A", attached hereto (the "Property"), which Property is presently zoned C-2.

WHEREAS, the Property Owner has submitted a development plan prepared by Design Services identifying the Property to be developed as a residential townhome neighborhood as set forth in Exhibit "B", attached hereto (the "Development Plan"); and

WHEREAS, the City and Property Owner now desire that the Property be rezoned from C-2 to R-3 High, prior to development in accordance with, and in consideration of, the provisions of this Agreement and Section 414.5 of the Iowa Code; and

WHEREAS, Property Owner and the City wish to set forth their agreements with respect to the conditions and restrictions which will arise with respect to the Property as a result of such rezoning and development.

NOW, THEREFORE, in consideration of the above premises, the rezoning of the Property and the promises and agreements set forth herein, it is hereby agreed between Property Owner and the City as follows:

1) Rezoning. This agreement is contingent on the Property being rezoned from C-2 (General and Highway Service Commercial District) to R-3 High (High Density Family Dwelling District) by the Grimes City Council as set forth in Exhibit A attached hereto.

2) Development Plan. The Property Owner has submitted the Development Plan in conjunction with the Property Owner's request for rezoning. A copy of the Development Plan is attached hereto as Exhibit B. The Property Owner agrees that the development of the property shall be generally consistent with the Development Plan and shall satisfy the following requirements.

   (a) Site Plans Required. Property Owner agrees that preliminary plats and site plans will be required for the proposed improvements within the development. Preliminary Plats shall include sufficient details to ensure that the minimum development standards for the Property can be achieved.

(b) Declaration of Covenants, Restrictions and Easements. The Property Owner shall, at the time of final platting, submit to the Grimes City Council for approval and subsequently record with the County recorder a declaration regarding the establishment of certain easements and the declaration of certain restrictions and covenants, including but not limited to, natural resource and open space preservation requirements, specific house and site design criteria, and the responsibility for maintenance of various individual and common area amenities.

(c) Minimum Standards. The Property shall be subject to the terms outlined below:

i.) Lot Dimensions. No minimum lot dimensions shall apply. Postage Stamp lot development is permitted.

ii.) Density. The maximum density shall be eight (8) units per acre.

iii.) Setbacks. The following setbacks shall apply to all units:

a. Front Yard – Thirty (30) Feet – External Property Lines

b. Rear Yard – Thirty (30) Feet – External Property Lines

c. Side Yard – Seven (7) Feet – From External Property Lines

d. Building Separation – Sixteen (16) Feet – From Building Groups

e. A two (2) foot projection for non-habitable space is permitted, however the projection must meet all applicable building/fire code standards.

iv.) Minimum Dwelling Size. All dwellings must have a total finished area of not less than nine hundred (900) square feet, exclusive of garage area. Basement or partial subgrade level square footage may not be counted towards minimum finished area.

v.) Height. The maximum height of any building shall be two (2) stories above grade (35-Feet maximum).

vi.) Garage. A minimum two (2) car attached garage shall be provided for every dwelling unit.

vii.) Parking. Visitor Parking shall be provided in accordance with the Grimes Zoning Ordinance.

viii.) Building Materials. The buildings fronting SE Gateway Drive shall meet the architecture standards established within Zone 2 of the Highway 141 Mixed Use Development Corridor District. All other buildings shall meet the R-3 architecture standards.

ix.) Accessory Structures and Buildings. Any accessory structure or accessory building constructed upon the property shall be designed to match the architectural character of the principal structure and shall be in conformance with the Grimes Zoning Ordinance.

x.) Driveways. All driveways shall be constructed out of Plain Cement Concrete (P.C.C.) in accordance with the City of Grimes Standards and Specifications.

xi.) Open Space. A minimum of forty (40%) percent open space shall be provided.

xii.) Pedestrian. Connections from the units, to a common pedestrian network shall be provided. A five (5) foot PCC sidewalk shall be provided on at least one side of any internal private street.

xiii.) Private Street Lighting. Street Lighting associated with the private streets shall be provided. All lights shall be downcast, and shall not exceed twenty-five (25) feet in height.

3) Buffering

(a) Provision of Buffers. The provision of adequate buffering and landscaping shall be thoroughly evaluated and approved by the City of Grimes as part of the site plan approval. Additional buffer and landscaping may be required at that time in response to additional details of the use, buildings, parking, loading areas, mechanical equipment, etc. to be implemented.

(b) Landscape Buffers. A twenty (20) foot landscape buffer shall be provided along the north and west property lines to screen the commercial development from the townhomes. The landscape buffers shall provide the following number of trees per fifty (50) feet of linear buffer: One (1) overstory tree, two (2) understory trees and one (1) evergreen tree. Buffer landscaping shall not be planted within the floodway.

4) Public and Site Improvements

(a) Public Improvements. Public Improvements include the construction of the following:

(i.) Property Owner agrees to construct the necessary water main, sanitary sewer, and storm sewer to serve the development. Public construction drawings shall be prepared and submitted for review and approval.

(b) Trails. An eight (8) foot trail shall be provided along SE Gateway Drive and shall transition to five (5) feet wide at the north property line.

(c) Construction/Bonds. All public improvements listed above shall be constructed in accordance with SUDAS and all City of Grimes standards. At the time of completion, a four (4) year maintenance bond for the sewer and watermain improvements must be submitted.

5) Parkland Dedication.

(a) Parkland dedication shall be based on the calculation below and will be dedicated at the time of final plat.

i) (number of units) x (number of individuals per unit) x (.0065 acres per individual) = required parkland dedication in acres

ii) In the above calculation 2 individuals per unit shall be used.

(b) The developer shall have the option to choose fee in lieu of dedicating parkland, which will assist in further development of adjoining parks. Fees shall be due at the time of site plan approval. The agreed upon fee per acre shall be $40,000.

6) Highway 141 Mixed Use Development Corridor District. The Grimes Crossing Development shall follow the Highway 141 Mixed Use Development Corridor District regulations except as otherwise stated in this Development Agreement.

7) Amendment Procedure. The terms of this Agreement may be amended by mutual agreement of the Parties hereto, following a notification process to surrounding Property Owners, a review by the Grimes Planning and Zoning Commission and a Public Hearing before the Grimes City Council.

8) Security; Lien Rights of City. In the event that the City makes any payments or incurs any costs in connection with the Improvements, which payments or costs are agreed to be paid by Property Owner pursuant to this Agreement, Property Owner hereby agrees that the City shall have a lien on the Property in the amount agreed to be paid by Property Owner. Such lien by the City shall be released by written instrument recorded upon payment in full of the amount that Property Owner is obligated to pay. In the event that such a lien arises, the parties agree that the Property subject to such lien shall not be further platted or divided and no building permits shall issue until such lien is satisfied.

9) Binding Personal Obligation and Assignment. The parties hereby acknowledge that the security provided for in this Agreement is not the exclusive remedy available to the City. The obligations of the Property Owner hereunder are personal. In addition to the lien rights described in this Agreement, the City shall have all remedies available to it at law or in equity under the laws of the State of Iowa. The personal obligations of the Property Owner shall not be assignable, and the parties shall not be released from the obligations hereunder by virtue of such assignment, unless prior written approval of such assignment and release is given to the City. In the event that Property Owner sells a plat to a new owner, the City shall agree to the assignment of the obligations created under this Agreement to the purchaser.

10) Warranty of Title. Property Owner hereby warrants to the City that Property Owner is the owner of the Property and hereby covenants to defend Property Owner's title to the Property for purposes of this Agreement.

11) Binding. The terms and conditions of this Agreement shall be binding upon and shall inure to the benefit of the heirs, successors and assigns of the respective parties hereto, and all of the terms and conditions of this Agreement shall constitute conditions, covenants and restrictions running with the land in perpetuity for the Property; provided, however, upon the Petition of the then owner of the Property or any portion thereof, the parties hereto agree that the terms of the ordinances of the City of Grimes and the laws of the statutes and courts of the State of Iowa governing rezoning shall control the change in such zoning as to the property owned by the person so petitioning.

12) Effective. This Agreement is subject to and contingent upon approval by the Grimes City Council of the rezoning of the Property in accordance with paragraph 1. In the event the Grimes City Council does not approve said zoning change, this Agreement shall be null and void.

13) Recording. This Agreement shall be recorded with the Polk County, Iowa, Recorder, as an exhibit to the ordinance rezoning the Property and shall constitute a valid and effective agreement pursuant to the terms and conditions of Section 414.5 of the Iowa Code.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

(REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK; SIGNATURE PAGE FOLLOWS.)

CITY OF GRIMES, IOWA

By:_____

Scott Mikkelsen, Mayor

Attest:

_____

Rochelle Williams, City Clerk

STATE OF IOWA)

) ss.

COUNTY OF POLK)

On this ____ day of _____, 20__, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Scott Mikkelsen and Rochelle Williams, to me personally known, and, who, being by me duly sworn, did say that they are the Mayor and City Clerk, respectively, of the City of Grimes, Iowa; that the seal affixed to the foregoing instrument is the corporate seal of the corporation, and that the instrument was signed and sealed on behalf of the corporation, by authority of its City Council, as contained in Resolution No. _____ adopted by the City Council, under Roll Call of the City Council on the 27th day of June, 2023, and that Scott Mikkelsen and Rochelle Williams acknowledged the execution of the instrument to be their voluntary act and deed and the voluntary act and deed of the corporation, by it voluntarily executed.

_____

Notary Public in and for the

State of Iowa

My Commission expires _____

PROPERTY OWNER.

Sanav Venture, LLC

By:_____

Signature:_____

Title:_____

STATE OF IOWA)

) ss:

COUNTY OF _____)

On this _____ day of _____, 20___, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared _____, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that the person executed the instrument as the voluntary act of the person.

_____

Notary Public in and for the

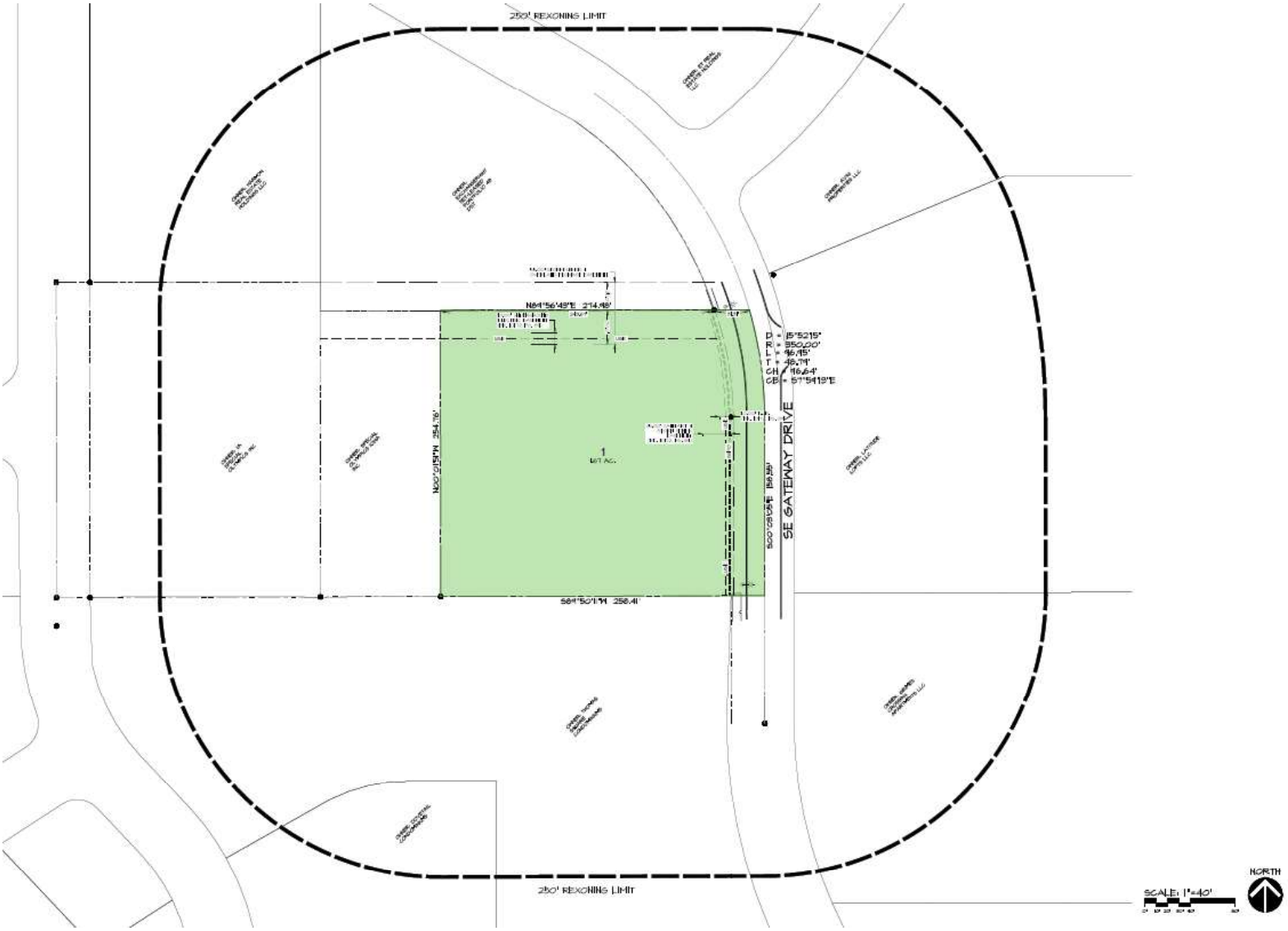
State of Iowa

My Commission expires _____

Exhibit A

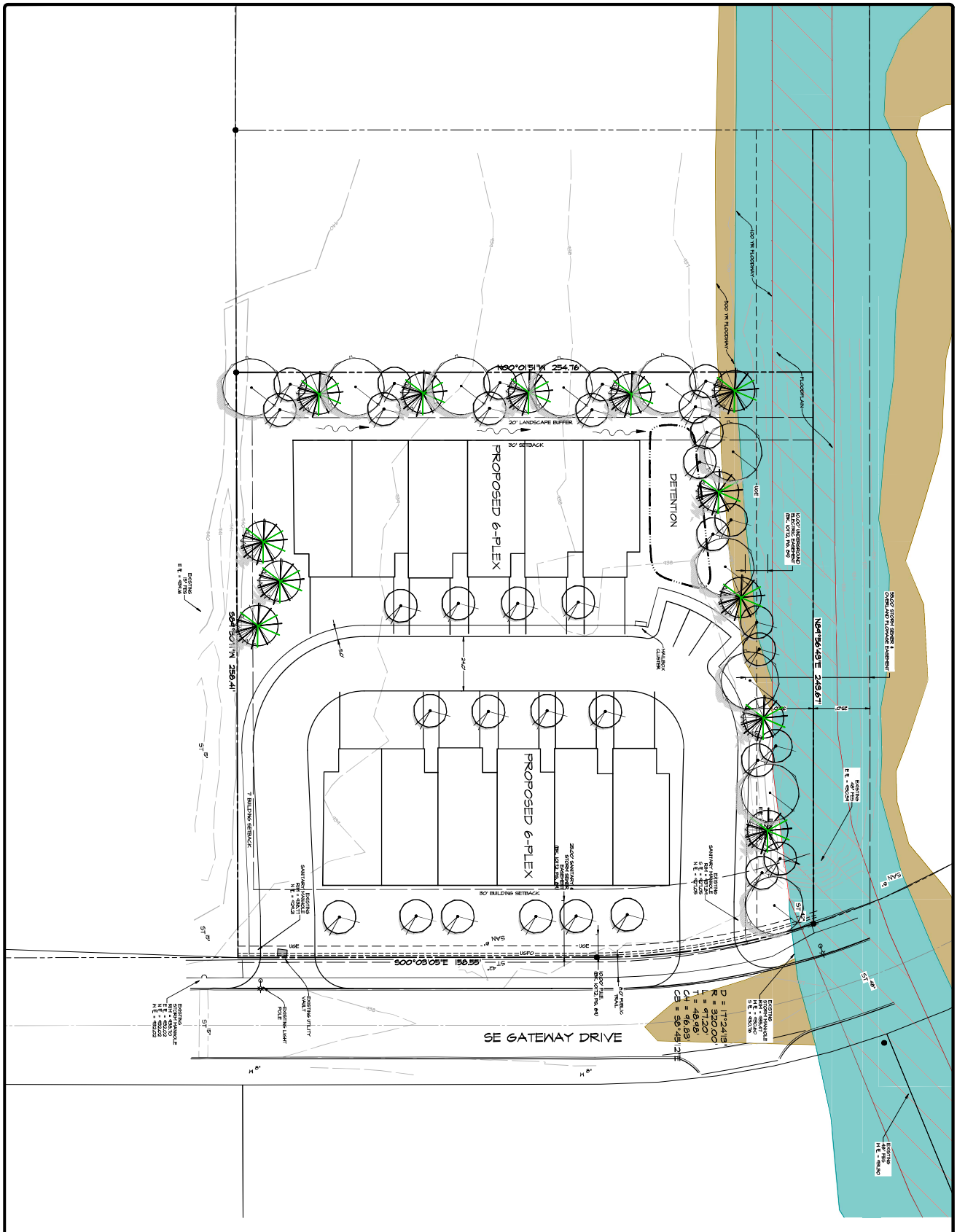
Legal Description

A PARCEL OF LAND IN LOT 7 AND LOT B, GRIMES CROSSING PLAT 3. AN OFFICIAL PLAT, CITY OF GRIMES, POLK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 7; THENCE N89°56'43"E, 31.31 FEET TO A POINT ON THE CENTERLINE OF GATEWAY DRIVE; THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT HAVING A CHORD BEARING OF S07°59'13"E AND A LENGTH OF 96.95 FEET TO A POINT OF TANGENCY; THENCE S89°50'11"W, 258.41 FEET ALONG THE SOUTH LINE OF LOT 7 TO A POINT; THENCE N00°01'51"W, 254.76 FEET TO A POINT ON THE NORTH LINE OF LOT 7; THENCE N89°56'43"E, 243.67 TO THE POINT OF BEGINNING AND CONTAINING 1.67 ACRES MORE OR LESS.



Q:\E-FILES\E-8000\E8996_CIV\Drawings\Rezoning\E8996 (03) CONCEPT PLAN.dwg, 5/16/2023 10:55:18 AM, mmorgan, 1:1

Exhibit B
Development Plan



SHEET 3 OF 12	GRIMES CROSSING 550 SE GATEWAY DRIVE, GRIMES, IA 50111 CONCEPT PLAN	DATE: SUBMITTAL 05-16-2023 DATE OF SURVEY: DESIGNED BY: SJD DRAWN BY: MDH	CEC Civil Engineering Consultants, Inc. 2400 86th Street . Unit 12 . Des Moines, Iowa 50322 515.276.4884 . mail@ceclac.com

E-8996

Planning & Zoning Staff Report

CITY OF GRIMES

DATE

May 2, 2023

PROJECT NAME

Grimes Crossing Rezone

APPLICANT

Sanav Venture, LLC

REQUESTED ACTION

Rezoning 1.5 acres from C-2 to R-3 Medium

LOCATION

Generally located west of SE Gateway Drive and north of SE 8th Street

ZONING

Current: C-2

Proposed: R-3 Medium

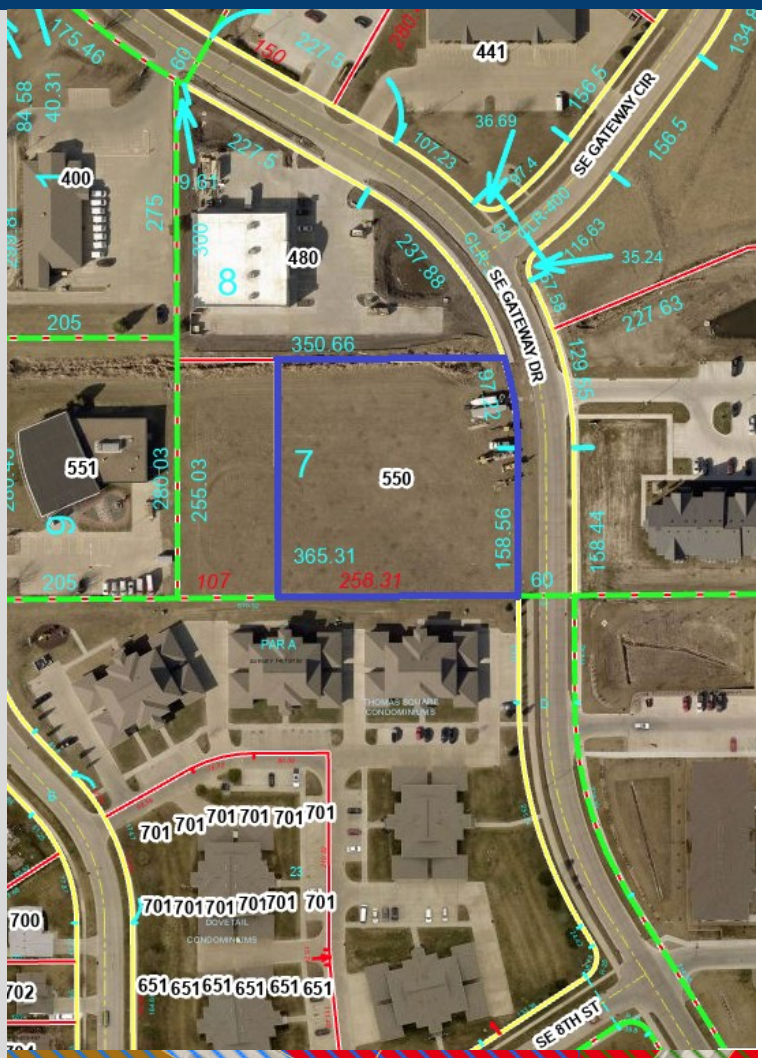
PLANNER

Evann Martin

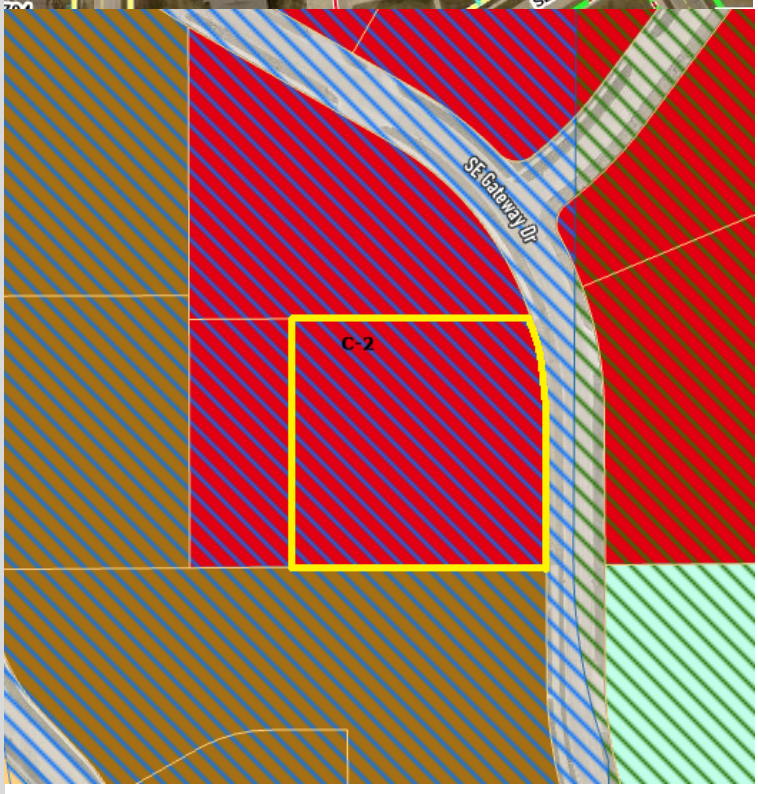
emartin@grimesiowa.gov

515-986-4050

Location Map



Zoning Map



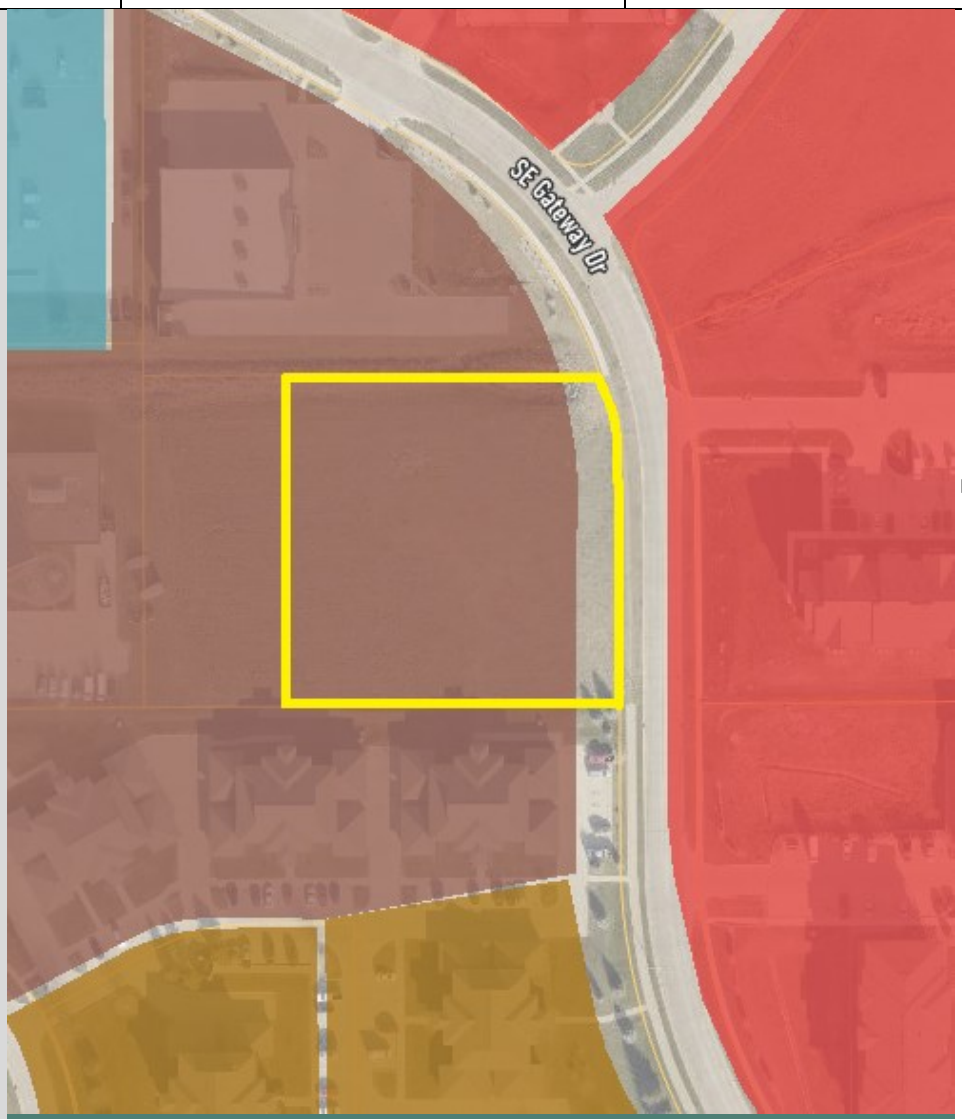
Relation to Comprehensive & Area Plans

LAND USES & ZONING			
Location	**Existing Land Use**	**Land Use Plan Designation**	**Current Zoning**
Subject Site	Vacant	Mixed Use 1	C-2
North	Commercial	Mixed Use 1	C-2
South	Residential	Mixed Use 1	R-3
East	Residential	Commercial	C-2
West	Commercial	Mixed Use 1	R-3

PARKS

The Parks and Trails Master Plan does not anticipate a park to be located on the subject property but does plan for trail along SE Gateway Drive. There is an existing 8' trail just south of the the property along SE Gateway Drive. The trail will be required to be constructed along the property line to continue the trail north along SE Gateway Drive .

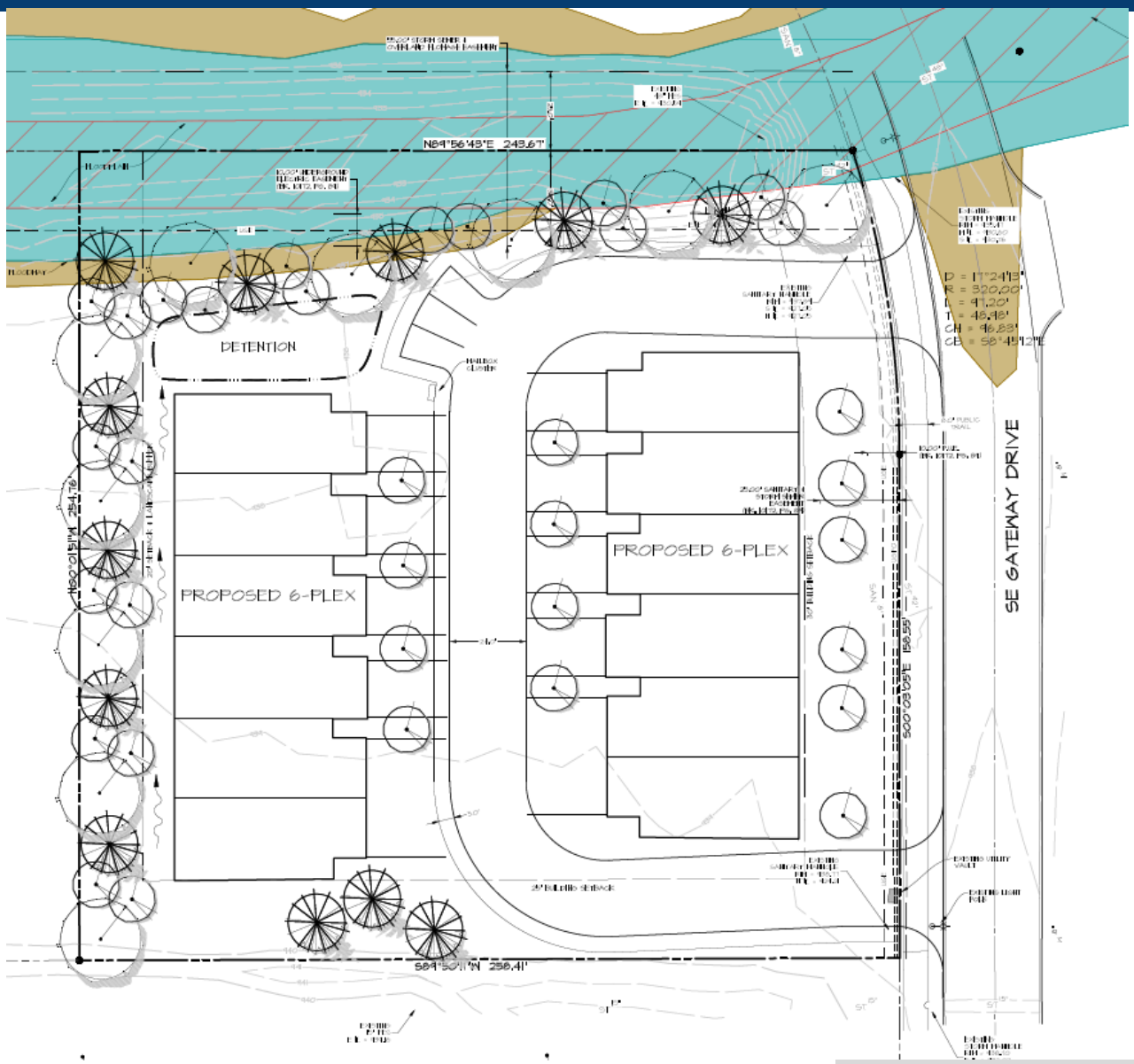
Because the zoning is changing to residential, parkland dedication will be required for the property. However, since the Parks and Trails Master Plan does not anticipate a park on the property and the small scale of the project, the developer will provide the City with a fee in lieu of dedicating land. The money will be utilized to make improvements within Shaver Park, which is the nearest park to serve the property.



Future Land Use Map

The proposed zoning change to R-3 Medium is consistent with the future land use designation of Mixed Use 1. which allows a mix of uses, including residential uses.

Site Layout



STREET ACCESS

Access into the site is proposed to be provided via two driveways from SE Gateway Drive. The internal street will be private.

PEDESTRIAN ACCESS

An 8' trail will be constructed along SE Gateway Drive and a minimum 5' sidewalk will be provided internal to the development on at least one side of the private street.

DEVELOPMENT STANDARDS

Density—8 units per acre

Setbacks—
- Front—30'
- Rear—30'
- Side—7'

Height—35', 2 stories

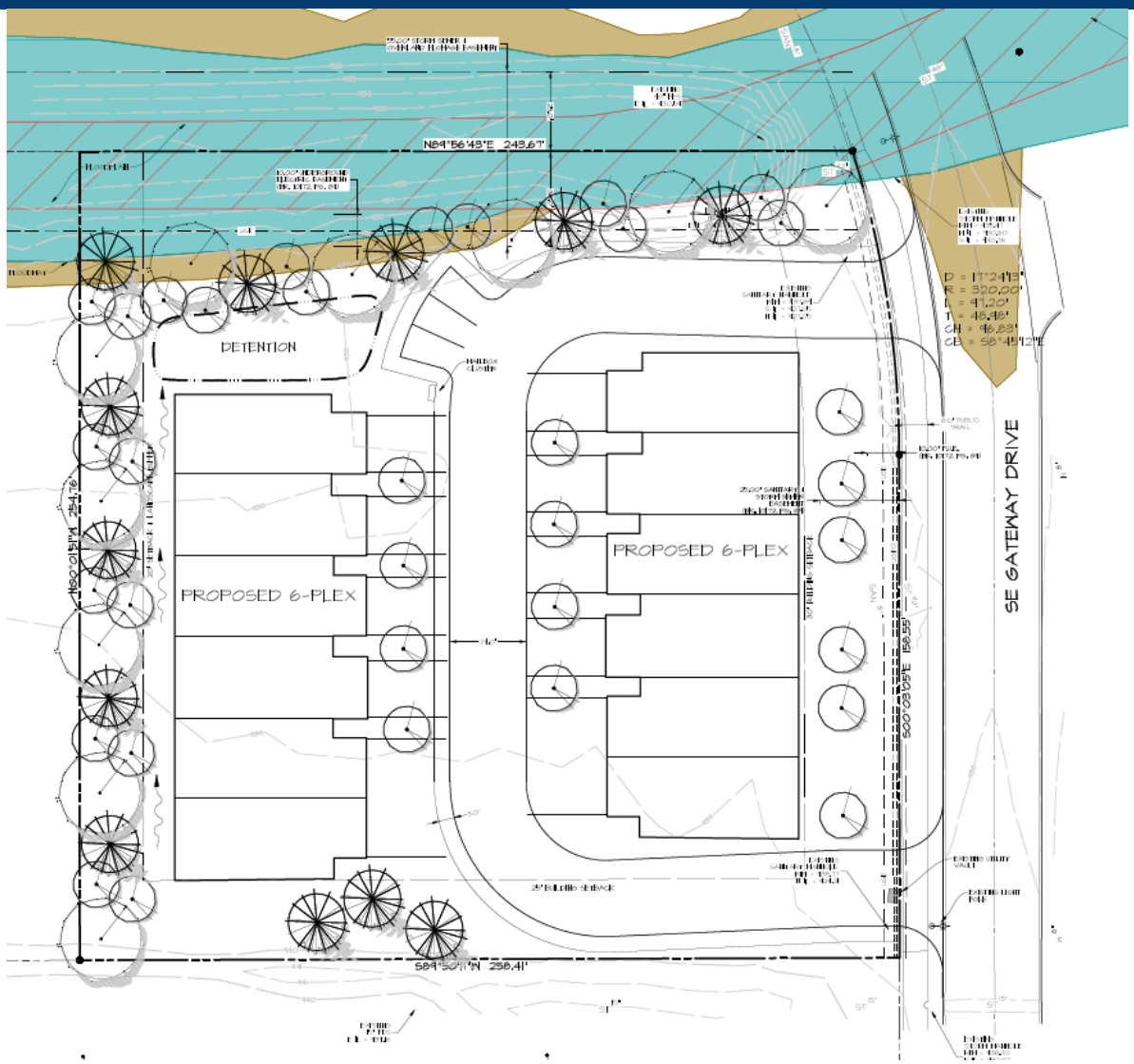
Open Space—40%

Landscape Buffer—20' along the north and west property line

DEVELOPMENT AGREEMENT

As part of the rezone, a development agreement will be developed and approved outlining the development standards, required public improvements, and parkland fee in lieu of land dedication.

Utilities & Landscaping



Utilities & Landscaping Map

SANITARY

Sanitary is existing on the west side of SE Gateway Drive.

WATER

Water is existing on the east side of SE Gateway Drive.

STORM WATER

Stormwater detention will be required onsite. There is no regional detention facility to serve this property.

FLOODPLAIN

There is floodway and floodplain located along the north side of the property. Improvements will be kept out of the floodway. Any improvements proposed within the floodplain will be reviewed to comply with the floodplain ordinance and require a permit.

LANDSCAPING

A 20' landscape buffer will be required along the north and west property lines. Landscaping will be required to follow the Highway 141 landscaping standards, which will require plantings along the project frontage facing SE Gateway Drive.

Conclusion

STAFF RECOMMENDATION

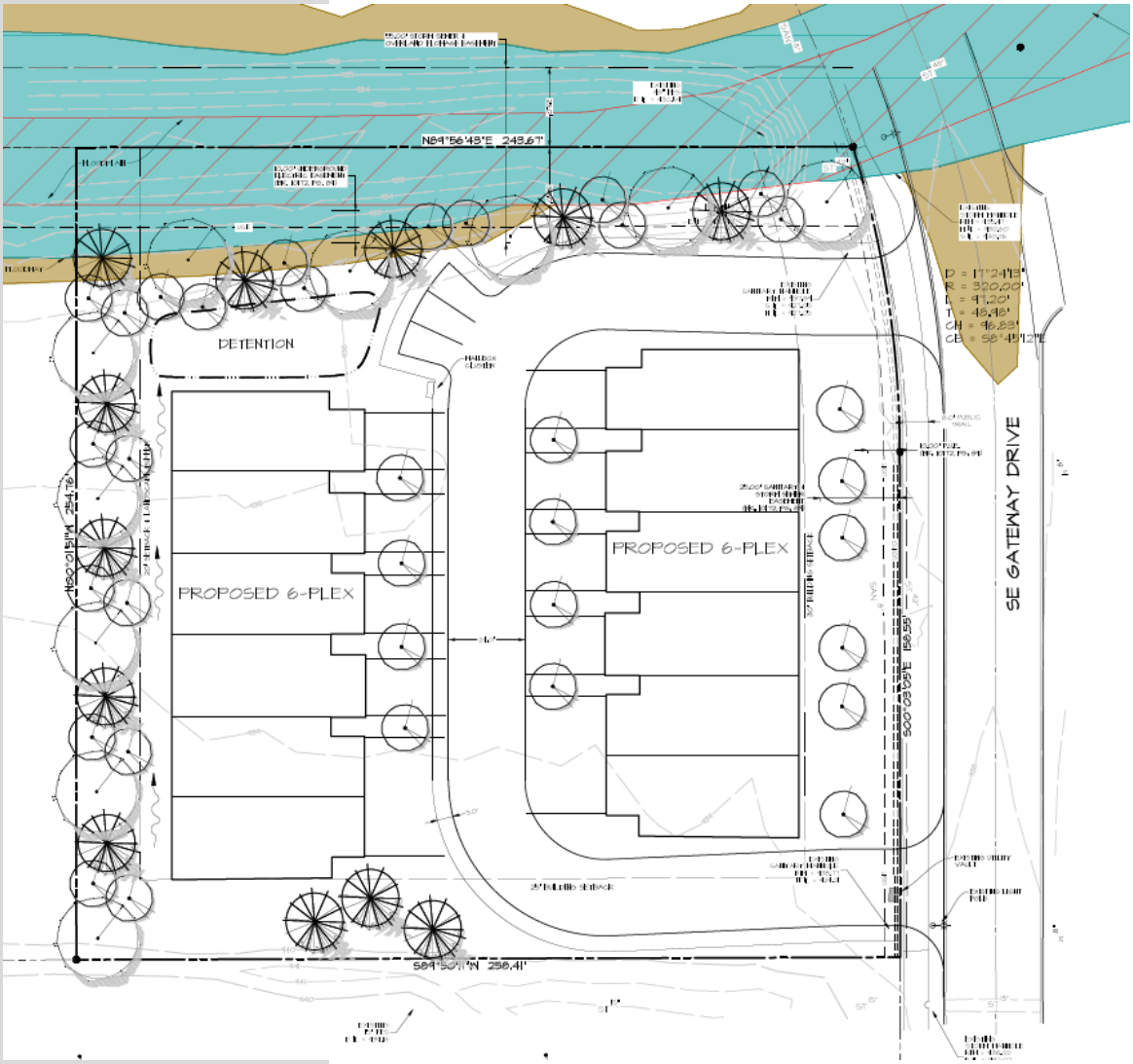
Staff recommends approval of the Grimes Crossing Rezone .

Conclusion

The proposed R-3 Medium zoning is consistent with the future land use plan.

The developer will provide a fee in lieu of dedicating parkland which will be utilized for improvements within Shaver Park.

An 8′ trail will be provided along SE Gateway in compliance with the Parks and Trails Master Plan.



Development Services
410 SE Main St, Suite 102
Grimes, IA 50111
(515)986-4050
www.grimesiowa.gov

~~December 5, 2022~~
~~March 13, 2023~~
April 18, 2023

Civil Engineering Consultants
Attn: Shane Devick
2400 86th Street, Suite 12
Urbandale, IA 50322

RE: Grimes Crossing Rezone

Dear Mr. Devick:

The Development Services Department is in receipt of a proposed Rezoning for the Grimes Crossing Rezone. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

1. ~~Please provide legal description of the area to be rezoned to the centerline of the road. Please provide the legal description in Word format. Legal description needs to be to the centerline of SE Gateway Drive.~~

2. ~~Please provide updated rezone map with property owners within 250' for the property to be rezoned. Please provide rezone map with property owner information included. See example provided.~~

Rezone Concept Comments:

1. ~~Please update the landscape buffer plantings to match the development agreement.~~

2. ~~Stormwater detention cannot be located within the floodplain.~~

3. ~~Detention will likely cause a few of the units to be removed. Depending on the number removed, the zoning may need to be changed to R-3 Medium (8 du/a) instead of R-3 High. The zoning request should change to R-3 Medium due to the density of the concept which is more realistic due to site circulation and, detention, and floodplain.~~

4. ~~Please show required visitor parking (1 space/5 units).~~

5. ~~Please change the 5' sidewalk along SE Gateway Dr to 8' trail. Shift the trail to be located within the right-of-way.~~

6. ~~A minimum of 40% open space is required. Please revise plan accordingly.~~

7. ~~The unit on Lot 1 doesn't appear to meet the setback. Please adjust.~~

8. ~~The fence along SE Gateway Dr is not permitted. Fencing is not allowed within the front yard. Please remove.~~

9. Provide concept elevations for the buildings, including the front door elevations for the units facing SE Gateway Dr. The elevations need to meet the R-3 architecture requirements (See Section 12-13-1 zoning ordinance). A minimum of 25% of all sides of the buildings shall be masonry material. Please provide. Has the applicant built these units elsewhere or know of a product that is similar to the proposed. Staff wants to get a better idea of how these will look and a real life example would be helpful.

10. ~~Revise the rear setback to 30'. The side setback is 7'.~~

Site Plan Comments:

The concept plan does not need to have site plan level detail. However, staff have the following comments to help you prepare for site plan submittal and that could affect the concept plan layout.

1. Discharge into the floodplain will require a 404 permit and City of Grimes floodplain permit.

2. The driveway into the site will need to be elevated above the floodplain.

3. Staff would like to see turning movements with the site plan submittal. The curves on the private driveway look tight.

4. Is the property proposed to be platted into individual lots? This will determine how utilities will need to be provided for the units.

5. A swale will likely be required along the west side of the site. How will a buffer be proposed within a swale?

6. There appears to be a utility vault in the location of the south driveway that will need to be relocated.

7. A streetlight will also need to be relocated due to location of the south driveway.

8. The square footage of both buildings would require fire suppression.

9. In looking at the building floor plan, is there a bathroom right off of the garage?

10. Label proposed location for the mailbox cluster. The cluster will need to be provided along an ADA accessible route.

11. Landscaping will need to be provided in accordance with the Highway 141 Corridor District requirements. Buffer landscaping can count toward the overall open space planting requirements.

Please provide a letter addressing all comments on this comment letter and/or state what was modified on the site plan to address said comments.

SITE PLAN SUBMITTAL SCHEDULE:

SUBMITTAL DATE:	~~December 12, 2022~~ April 3, 2023 **(1 PDF of Rezoning Map and Concept Plan)**
PLANNING & ZONING:	May 2, 2023 at 5:30
COUNCIL MEETING:	May 23, 2023 at 5:30

Please feel free to contact me at emartin@grimesiowa.gov or at (515) 986-4050 if you have any questions or need additional information.

Sincerely,

Evann Martin
Assistant Planner

REZONING SKETCH
OF
GRIMES CROSSING

550 SE GATEWAY DRIVE, GRIMES, IA 50111

VICINITY SKETCH
SCALE 1"=300'

NORTH

PROPERTY OWNER:
SANAV VENTURE LLC
14820 HORTON AVE
URBANDALE, IA 50323-2648

APPLICANT:
SANAV VENTURE LLC
14820 HORTON AVE
URBANDALE, IA 50323-2648

PROJECT MANAGER:
SHANE DEVICK
CIVIL ENGINEERING CONSULTANTS
2400 86TH STREET, #12
URBANDALE, IOWA 50322
PHONE: 515-276-4884, EXT. 222
EMAIL: DEVICK@CECLAC.COM

ZONING
EXISTING: C-2
PROPOSED: R-3 MEDIUM

BULK REGULATIONS
- FRONT: 30'
- SIDE YARD: 7'
- REAR: 30'
- MAXIMUM BUILDING HEIGHT: 35', 2 STORIES
- OPEN SPACE - 40%

LEGAL DESCRIPTION:
A PARCEL OF LAND IN LOT 7 AND LOT 8, GRIMES CROSSING PLAT 3, AN OFFICIAL PLAT, CITY OF GRIMES, POLK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 7; THENCE N84°56'43"E, 31.31 FEET TO A POINT ON THE CENTERLINE OF GATEWAY DRIVE; THENCE SOUTHEASTERLY ALONG A CURVE TO THE RIGHT HAVING A CHORD BEARING OF S07°54'13"E AND A LENGTH OF 96.95 FEET TO A POINT OF TANGENCY; THENCE S84°50'11"W, 258.41 FEET ALONG THE SOUTH LINE OF LOT 7 TO A POINT; THENCE N00°01'51"W, 254.76 FEET TO A POINT ON THE NORTH LINE OF LOT 7; THENCE N84°56'43"E, 243.61 TO THE POINT OF BEGINNING AND CONTAINING 1.67 ACRES MORE OR LESS.

LEGEND

●	FOUND CORNERS
⊙	SET PROPERTY CORNER (5/8" I.R. W/ORANGE CAP #12265 UNLESS OTHERWISE NOTED)
	PROPERTY BOUNDARY
	LOT LINES
	ORIGINAL PLATTED LOT LINES
	TREE LINE
	EXISTING PARKING STALL PAINT LINES
	BACK OF PORTLAND CEMENT CONCRETE (P.C.C.) CURB & EDGE OF PORTLAND CEMENT CONCRETE SLAB
	GUTTER
	CENTERLINE STREET
	SIDEWALK
	EXISTING CHAIN LINK FENCE
	EXISTING PIPE FENCE
	EXISTING WIRE FENCE
-OHX-	OVERHEAD WIRES (X = NUMBER OF WIRES)
-UGFO-	UNDERGROUND FIBER OPTIC LINES
-ST-	STORM SEWER AND SIZE
-SAN-	SANITARY SEWER AND SIZE
-W-	WATER MAIN AND SIZE
-G-	GAS MAIN AND SIZE
-UGE-	UNDERGROUND ELECTRIC
-CATV-	UNDERGROUND CABLE TELEVISION LINE
-UGT-	UNDERGROUND TELEPHONE LINE
	RETAINING WALL
	EXISTING BUILDING
MAPS	UTILITY LOCATION BASED ON MAPS PROVIDED BY THE IOWA ONE CALL SERVICE (APPROXIMATE LOCATIONS ONLY)
EST	ESTIMATED LOCATION BASED ON A COMBINATION OF SURVEY DATA, UTILITY MAPS, AND THE ORIGINAL SITE PLAN.
PLANS	LOCATION BASED ON ORIGINAL CONSTRUCTION DRAWINGS PROVIDED BY THE CITY OF URBANDALE.
B/B	BACK OF CURB TO BACK OF CURB
CI & DIP	CAST IRON PIPE & DUCTILE IRON PIPE
VCP	VITRIFIED CLAY PIPE
RCP	REINFORCED CONCRETE PIPE
⊠	CLEAN OUT

	SANITARY & STORM MANHOLE
ST	OPEN THROAT INTAKE OR MS INTAKE
	SINGLE & DOUBLE BACK OF CURB(B/C) INTAKE
	STORM AREA INTAKE
	MEDIACOM COMMUNICATIONS RISER
	COMMUNICATIONS RISER
	ELECTRIC TRANSFORMER
	ELECTRIC METER
	ELECTRIC BOX
	WOOD POWER POLE WITH LIGHT
	POWER POLE
	STEEL STREET LIGHT POLE
	METAL LIGHT POLE
	GUYWIRE ANCHOR
	FIRE HYDRANT
	WATER MAIN GATE VALVE
	WATER MAIN STOP BOX VALVE
	SIGN
D.	DEEDED BEARING & DISTANCE
P.	PREVIOUSLY RECORDED BEARING & DISTANCE
M.	MEASURED BEARING & DISTANCE
FFE	FINISHED FLOOR ELEVATION
P.C.C.	PORTLAND CEMENT CONCRETE
A.C.C.	ASPHALTIC CEMENT CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
	FLAGPOLE
I.R.	IRON ROD
I.P.	IRON PIPE
BK. ???, PG. ????	COUNTY RECORDER'S INDEXING BOOK AND PAGE
XX"	EXISTING DECIDUOUS TREE & CALIPER SIZE (GRAPHIC TREE SIZE IS REPRESENTATIVE OF APPROXIMATE DRIP LINE)
XX"	EXISTING EVERGREEN TREE & CALIPER SIZE (GRAPHIC TREE SIZE IS REPRESENTATIVE OF APPROXIMATE DRIP LINE)
BH	BUILDING HEIGHT MEASURED FROM THE EXISTING GROUND TO PEAK (HEIGHT ACCURACY = +/- 0.5 FEET)
777	PROPERTY ADDRESS

SHEET INDEX

SHEET #	SHEET TITLE
1	COVER
2	REZONING SKETCH
3	CONCEPT PLAN

CERTIFICATION

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

JEFFREY A. GADDIS 18381 — LICENSED PROFESSIONAL LAND SURVEYOR — IOWA

May 16, 2023
JEFFREY A. GADDIS, IOWA LICENSE NO. 18381 — DATE
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022

PAGES OR SHEETS COVERED BY THIS SEAL:
SHEETS 1 - 2

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

RETURN TO:
CIVIL ENGINEERING CONSULTANTS
ATTN: JEFFREY A. GADDIS, PLS
2400 86TH STREET, SUITE 12
URBANDALE, IA 50322
PHONE: 515-276-4884
EMAIL: GADDIS@CECLAC.COM

Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . mail@ceclac.com
CEC

DATE:	SUBMITTAL 05-16-2023

DATE OF SURVEY:	-----
DESIGNED BY:	SJD
DRAWN BY:	MDH

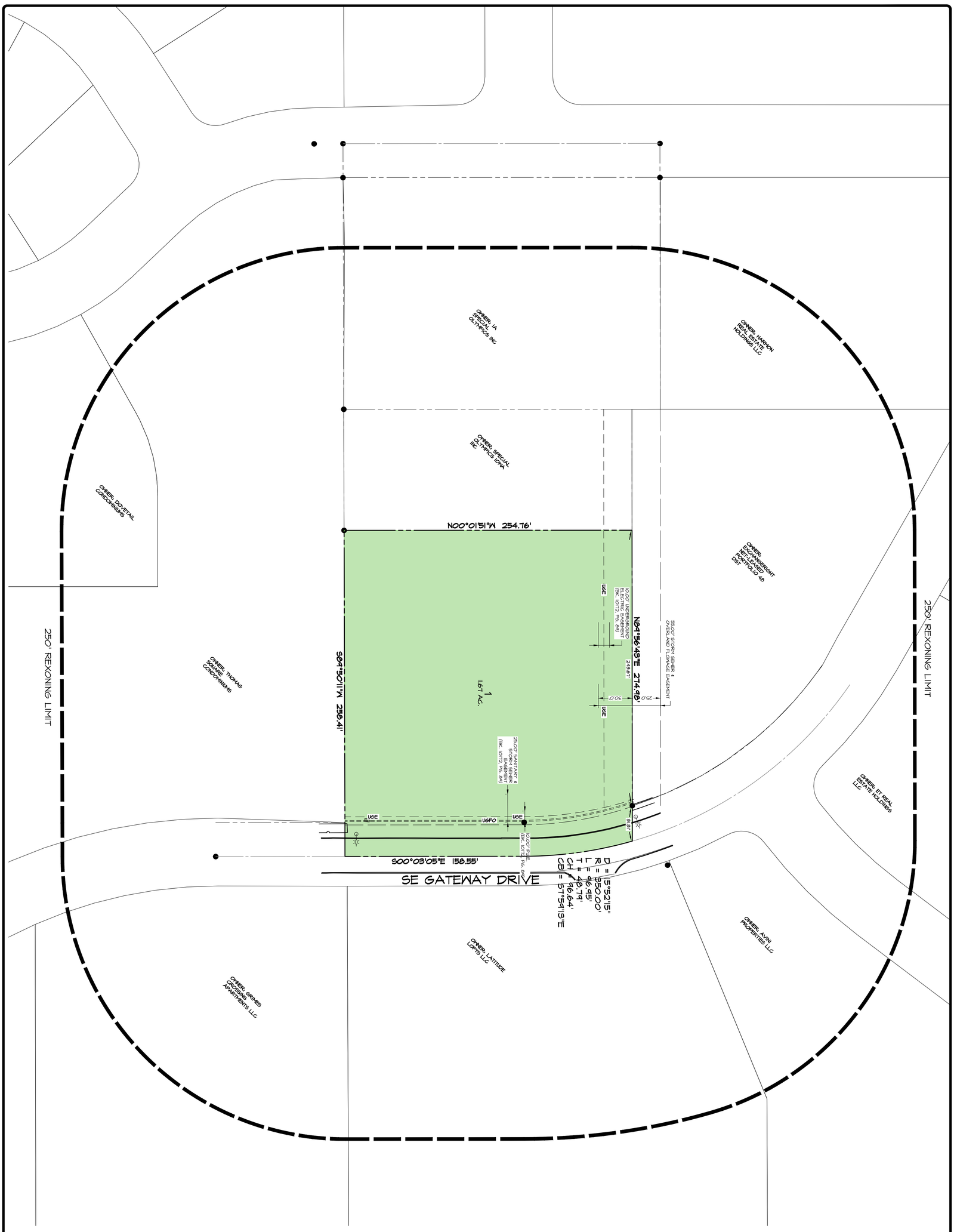
GRIMES CROSSING
550 SE GATEWAY DRIVE, GRIMES, IA 50111

COVER

SHEET 1 OF 2

E-8996

Q:\E-FILES\E-8000\E8996_C3D Drawings\Rezoning\E8996 (01) COVER.dwg, 5/16/2023 10:54:56 AM, mmorgan, 1:1

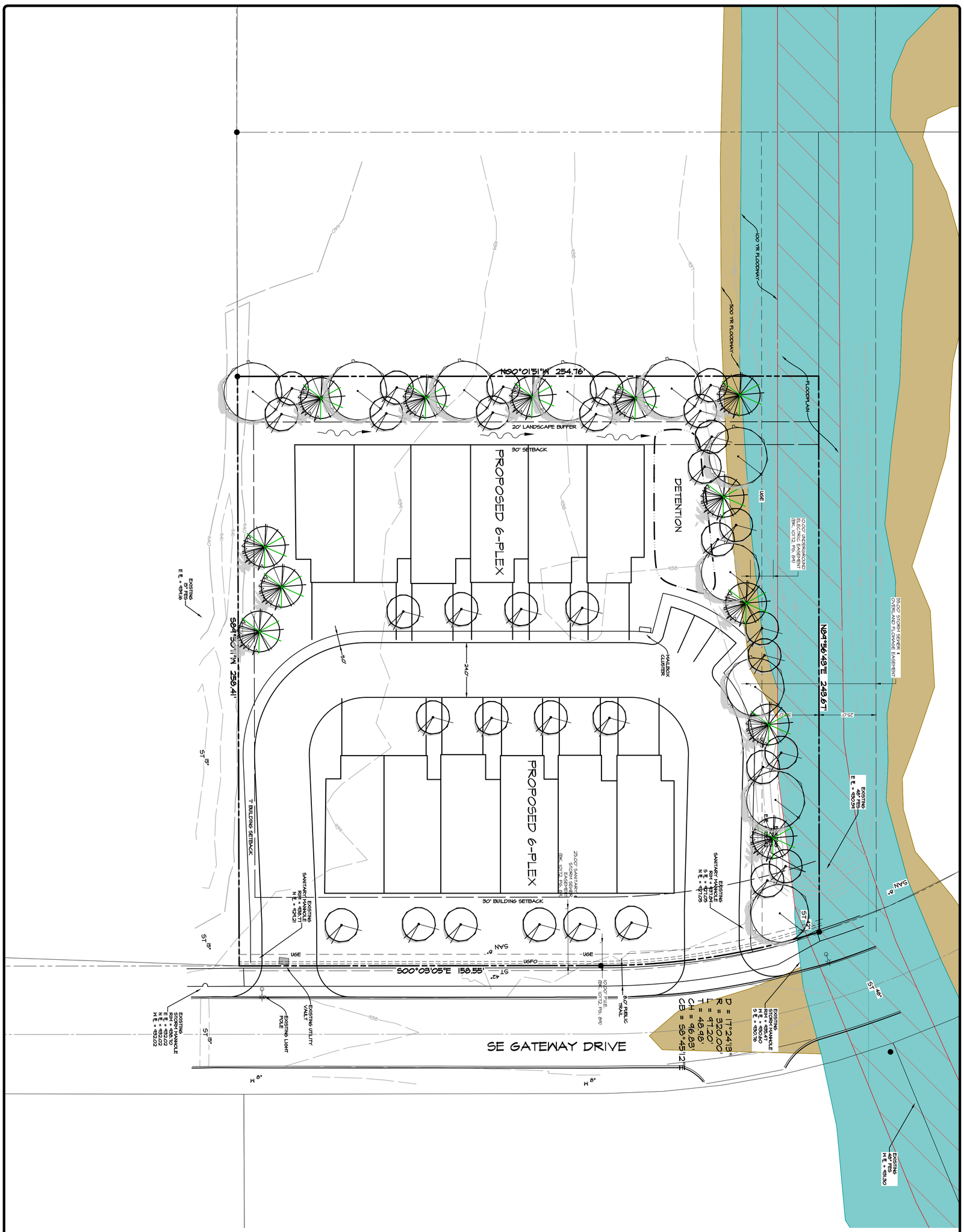


E-8996	SHEET 2 OF 2	**GRIMES CROSSING** 550 SE GATEWAY DRIVE, GRIMES, IA 50111 **REZONING SKETCH**

DATE:	
	SUBMITTAL 05-16-2023

DATE OF SURVEY:	----
DESIGNED BY:	SJD
DRAWN BY:	MDM

CEC
Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . mail@ceclac.com

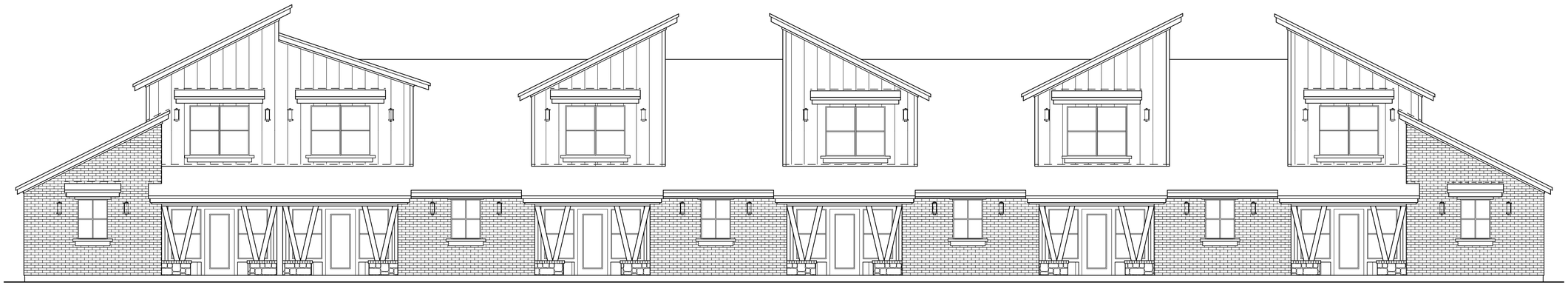


SCALE: 1"=20'

NORTH

E-8996	SHEET 3 OF 2	**GRIMES CROSSING** 550 SE GATEWAY DRIVE, GRIMES, IA 50111 **CONCEPT PLAN**	DATE: SUBMITTAL 05-16-2023 --- --- DATE OF SURVEY: --- DESIGNED BY: SJD DRAWN BY: MDM

CEC
Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . mail@ceclac.com



EAST SIDE ELEVATION- SE GATEWAY FACADE

SCALE: 3/32"=1'-0"

Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, raise them now. We encourage public input in this decision making process.

IOWA STATE REVOLVING FUND
ENVIRONMENTAL INFORMATION DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Grimes
County: Dallas and Polk
State: Iowa

SRF Number: FS-77-23-DWSRF-024
Iowa DNR Project Number: W2022-0708

COMMUNITY DESCRIPTION

Location: The City of Grimes is located in both Dallas and Polk Counties, Iowa approximately 16 miles northwest of Des Moines, Iowa and approximately 36 miles south, southwest of Ames, Iowa.

Population: The population of Grimes according to the 2020 US Census was 15,392. The analysis of the water system used two projected populations; the population is estimated to be 32,030 for design year 2040 and 70,182 for design year 2060.

Current Source of Water: The City of Grimes produces their own water using City owned facilities. These facilities are operated by US Water under contract. The current water supply for the City of Grimes is a series of 2 Jordan aquifer wells, and 3 alluvial wells located approximately 2 miles north of the City in the Beaver Channel aquifer.

Current Water Treatment and Quality: The existing water treatment facilities consist of a lime softening plant with a treatment capacity of 1,200 gallons per minute and a reverse osmosis treatment facility with a treatment capacity of 2,470 gallons per minute.

Current Distribution System: The City's water distribution system has approximately 460,000 feet of pipe. The system is comprised of pipe of various diameter, age, and material (ductile iron, cast iron, or PVC). The City of Grimes owns and US Water operates

three water storage tanks (a ground storage reservoir, the James Street standpipe, and the Enterprise Drive water tower). Under current peak demands, the City generally has good pressure and fire flow capacity throughout the system with the exception of a few isolated locations on older, undersized pipe.

Future Challenges: Expected growth demands are expected to exceed the current water supply and treatment capacities. Similarly, the City will need to increase elevated storage both in the near term and in future. As the City continues to annex and develop a wider geographic area, the City will need to develop a network of mains capable of providing adequate water service to these areas.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the water distribution system to increase overall capacity, expand the distribution system, and to structure growth in order to safely and reliably operate the City of Grimes' water system for at least the next 20 years. Due to the rapid growth of Grimes and the expected useful life of the proposed improvements, the City also used population projections for the next 40 years to best plan for capital improvement effectiveness.

Proposed Improvements: The project consists of four, high-priority distribution and storage projects necessary to provide increased water supply and redundancy to the City's water distribution system. Segment A is the construction of a new water main between the Enterprise Drive water tower and the proposed 1st Street water tower. Segment B is the construction of a new water main along NW County Line Road between West 1st Street and NW 82nd Street. Segment C is the construction of new water main between the existing water treatment plant and the James Street Feeder water main. Area D is the construction of a new, 2-million gallon ground storage reservoir at the existing water treatment plant site. Collectively, these four projects are known as Project 1A for the City of Grimes.

ALTERNATIVES CONSIDERED

Alternatives Considered: As the City grows, a well-planned distribution network will allow new areas and new customers to be brought online with good service. Multiple options for distribution alignment were considered both for near-term and long-term growth. Alternatives were considered to address areas with less than desirable available fire flows and lower pressure. Scenarios assessed in the hydraulic model indicated that a limiting factor on the ability to fill the existing water storage under peak day demands was the size of the existing ground storage reservoir at the water treatment plant; various options to alleviate this deficiency were considered.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to the effect of the expected demand of new growth on the water supply system.

While alternative distribution main locations would function, a primary distribution network built upon a roughly 1-mile gridwork of 12-inch diameter mains, or larger where appropriate, is recommended for accessibility and preferred easement locations. Additionally, Segment A will provide a direct line between the Enterprise Drive water tower and the proposed 1st Street water tower for better pressure management of the system. To provide adequate suction side volume for the new high service pumps it is recommended that the City install a new ground storage reservoir at the existing water treatment plant; this would allow the City to have both stable suction side pressure, and to allow the pumps to cycle less frequently.

The project locations were selected for the availability of land, appropriate sizing of equipment, proximity to existing infrastructure, and establishment of a grid-system for expansion as well as minimization of the impacts to the environment.

MEASURES TAKEN TO ASSESS IMPACT

Coordination and Documentation with Other Agencies and Special Interest Groups: The following Federal, state and local agencies were asked to comment on the proposed project to better assess the potential impact to the environment:

U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service
Natural Resources Conservation Service
State Historical Society of Iowa (State Historical Preservation Office)
Iowa DNR Conservation and Recreation Division
Iowa DNR Flood Plain Management Section
Citizen Band Potawatomi Indian Tribe
Flandreau Santee Sioux
Ho-Chunk Nation
Iowa Tribe of Kansas and Nebraska
Iowa Tribe of Oklahoma
Kickapoo Tribe in Kansas
Kickapoo Tribe of Oklahoma
Lower Sioux Indian Community Council
Miami Tribe of Oklahoma
Omaha Tribal Council
Osage Tribal Council
Otoe-Missouria Tribe
Pawnee Nation of Oklahoma
Peoria Tribe of Indians of Oklahoma
Ponca Tribe of Indians of Oklahoma
Ponca Tribe of Nebraska
Prairie Band Potawatomi Nation
Prairie Island Indian Community
Sac & Fox Nation of Mississippi in Iowa

Sac & Fox Nation of Missouri
Sac & Fox Nation of Oklahoma
Santee Sioux Nation
Shakopee Mdewakanton Sioux Community
Sisseton-Wahpeton Oyate
Spirit Lake Tribal Council
Three Affiliated Tribes Mandan, Hidatsa & Arikara Nations
Upper Sioux Tribe
Winnebago Tribal Council
Yankton Sioux Tribal Business and Claims Committee
Dallas County Historic Preservation Commission

No adverse comments were received from any agencies. Conditions placed on the applicant by the above agencies in order to assure no significant impact are included in the Summary of Reasons for Concluding No Significant Impact section.

ENVIRONMENTAL IMPACT SUMMARY

Construction: Traffic patterns within the community may be disrupted and above normal noise levels in the vicinity of the construction equipment can be anticipated during construction and should be a temporary problem. Adverse environmental impacts on noise quality will be handled by limited hours of contractor work time during the day. Other adverse environmental effects from construction activities will be minimized by proper construction practices, inspection, prompt cleanup, and other appropriate measures. Areas temporarily disturbed by the construction will be restored. Solid wastes resulting from the construction project will be regularly cleared away with substantial efforts made to minimize inconvenience to area residents.

Care will be taken to maintain dirt to avoid erosion and runoff. The proposed project will disturb soils over an area greater than one acre; therefore, the applicant is required to obtain an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) and abide by its terms. Provided that this permit is obtained and the terms of which are abided by, no significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 Iowa Administrative Code IAC 23.3(2)“c”).

Historical/Archaeological: Various Native American tribes with an interest in the area and the Certified Local Government were provided information regarding the project. A Phase I Archeological investigation of the proposed project area is currently underway. Results from this investigation will be submitted to the State Historical Preservation

Office (SHPO) for review. The project will only proceed as planned if a determination of either "no historic properties affected" or "no adverse affect on historic properties" can be appropriately reached with or without mitigation. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).

Environmental: A Joint Application was submitted by the City's consultant to the Iowa DNR Conservation and Recreation Division and U.S. Army Corps of Engineers. The DNR Flood Plain Management Section will determine if the proposed project requires a permit for impacts to the 100-year floodplain. The DNR Conservation and Recreation Division will determine if the project will impact any State-owned lands or State-listed threatened or endangered species. The U.S. Army Corps of Engineers will determine if the proposed project will impact wetlands or jurisdictional waters of the United States.

While the Iowa DNR Conservation and Recreation Division has not yet commented, the proposed project is not anticipated to interfere with any State-owned parks, recreational areas or open spaces. While the U.S. Army Corps of Engineers has not yet commented on the project, the proposed project is not anticipated to impact wetlands provided any necessary permits (such as Nationwide Permit #12) are obtained and abided by. The project will not impact any wild and scenic rivers as none exist within the State of Iowa. The U.S. Fish & Wildlife Service Section 7 Technical Assistance website consultation determined that the project is not likely to affect protected species or their habitats provided that any tree cutting is conducted between October 1 and March 31 to avoid impacting endangered bats. However, if any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required.

While the Iowa DNR Flood Plain Management Section has not yet commented on the project, it is int anticipated that the project will impact the 100-year floodplain provided all necessary flood plain development permits, state and local, are obtained and the terms of which are abided by. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. No significant farmlands will be impacted per a Farmland Conversion Rating Form analysis. This project should not impact population trends as the presence or absence of existing water/sewer infrastructure is unlikely to induce significant alterations in the population growth or distribution given the myriad of factors that influence development in this region. Similarly, this project is unlikely to induce significant alterations in the pattern and type of land use.

Irreversible and Irretrievable Commitment of Resources: Fuels, materials, and various forms of energy will be utilized during construction

Nondiscrimination: All programs, projects, and activities undertaken by DNR in the SRF programs are subject to federal anti-discrimination laws, including the Civil Rights Act of 1964, section 504 of the Rehabilitation Act of 1973, and section 13 of the Federal Water Pollution Control Amendments of 1972. These laws prohibit discrimination on the basis of race, color, national origin, sex, disability, or age.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be maintained water quantity and pressure for the citizens of Grimes. The new elevated storage tank will better assist in the prevention of water supply contamination associated with inadequate pressures within the distribution system under all flow conditions. A catastrophic loss of water supply could result in City-wide health impacts due to a lack of sanitation and the use of other water sources that may not meet Federal drinking water standards.

SUMMARY OF REASONS FOR CONCLUDING NO SIGNIFICANT IMPACT

- The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population.
- The project will not conflict with local, regional or State land use plans or policies.
- While the U.S. Army Corps of Engineers has not yet commented on the project, the proposed project is not anticipated to impact wetlands provided any necessary permits (such as Nationwide Permit #12) are obtained and abided by.
- The project is not likely to affect threatened and endangered species or their habitats provided that any tree cutting is conducted between October 1 and March 31 to avoid impacting endangered bats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required.
- The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes.
- While the Iowa DNR Flood Plain Management Section has not yet commented on the project, it is int anticipated that the project will impact the 100-year floodplain provided all necessary flood plain development permits, state and local, are obtained and the terms of which are abided by.
- While the Iowa DNR Conservation and Recreation Division has not yet commented, the proposed project is not anticipated to interfere with any State-owned parks, recreational areas or open spaces.

- A Phase I Archeological investigation of the proposed project area is currently underway. Results from this investigation will be submitted to the State Historical Preservation Office for review. The project will only proceed as planned if a determination of either "no historic properties affected" or "no adverse affect on historic properties" can be appropriately reached with or without mitigation.
- The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)"c").
- The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.
- No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by.

The project description, scope, and anticipated environmental impacts detailed above are accurate and complete to the best to my knowledge.

Scott Mikkelsen (May 9, 2023 16:00 CDT)
Signature of the Mayor, City of Grimes

5-9-2023
Date

Scott Mikkelsen
Printed Name of the Mayor, City of Grimes

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Public Hearing to Vacate Certain Public Utility Easement in Hope Commercial Plat 4

BACKGROUND:
As part of the anticipated development of the mixed-use area of the Hope Commercial PUD, the developer has requested that the existing 10-foot public utility easement along NE Beaverbrooke Blvd be vacated in order to establish a new public utility easement that will fit with the proposed development.

Now that the buffer property along NE Beaverbrooke Blvd, which was not part of Hope Commercial Plat 4, is owned by the developer and now included within the Hope Commercial PUD, the easement would more appropriately serve the development if it were relocated.

As such, with any disposal of public property, a public hearing must be held before doing so. A new public utility easement will be established following the vacation of the existing easement.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S): N/A

STAFF RECOMMENDATION:
Staff recommends approval of the Resolution.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

RESOLUTION NO. 06-4523

RESOLUTION VACATING CERTAIN PUBLIC UTILITY EASEMENT IN HOPE COMMERCIAL PLAT 4

WHEREAS, the City of Grimes is the holder of certain public utility easement within city limits located in Hope Commercial Plat 4, namely:

A Public Utility Easement, filed in the records of the Polk County recorder on November 3, 2021, at Book 18844, Page 167-172.

See Exhibit A

WHEREAS, the Council approved Resolution No. 05-5323 of Notice and Intent to Vacate Certain Public Utility Easement in Hope Commercial Plat 4 and Setting Public Hearing;

WHEREAS, notice of the intent to vacate the Easements, and of the date, time, and place of a public hearing on the proposal was given by publishing said notice in the Dallas County News on the 13th day of June, 2023; and

WHEREAS, said public hearing was held at 5:30 P.M. on the 27th day of June, 2023, which was the date, time and place identified in the notice; and

WHEREAS, the Council finds that the Easement is no longer situated in a location to best serve the adjacent development; and

WHEREAS, the Council finds that a new Easement location would best serve the adjacent development; and

WHEREAS, a new Easement document shall be approved by the Council at a later date and properly filed in the office of the Recorder of Polk County, Iowa; and

WHEREAS, the Council finds that it is in the City's best interest to dispose of the Easements as set forth herein; and

WHEREAS, all requirements of law pertaining to the disposal of public property have been fully observed.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

SECTION 1. That pursuant to Iowa Code Sections 354.23 and 364.7, that the following described easement is hereby vacated by the City of Grimes:

See Exhibit A

SECTION 2. That the City Clerk is hereby authorized and directed to cause certified copies of this resolution, together with proof of publication of the notice of the public hearing on this matter, to be properly filed in the office of the Recorder of Polk County, Iowa.

SECTION 3. This resolution shall be in full force and effect from and after its final passage, approval and publication as provided by law.

PASSED AND APPROVED this 27th day of June 2023.

_____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

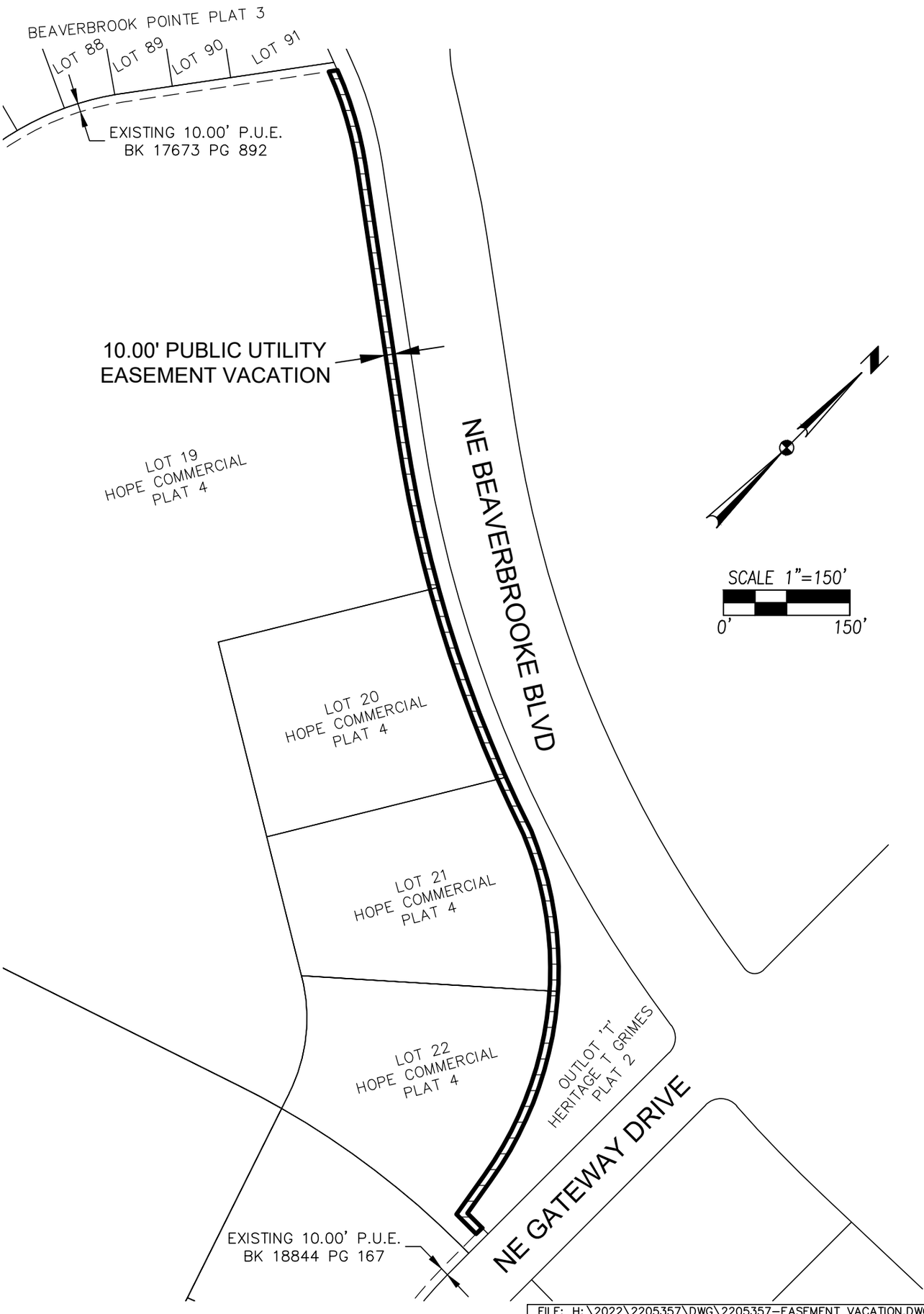
EXHIBIT 'A' - EASEMENT VACATION

OWNER

HOPE K FARMS LC
1548 S 45TH ST
WEST DES MOINES, IA 50265

PUBLIC UTILITY EASEMENT VACATION

THE NORTHEASTERLY 10.00 FEET OF LOTS 19 THROUGH 22, HOPE COMMERCIAL PLAT 4, AN OFFICIAL PLAT, ADJOINING OUTLOT 'T', HERITAGE AT GRIMES PLAT 2, EXCEPT THE EASTERLY 10.00 FEET ADJOINING NE GATEWAY DRIVE AND EXCEPT THE NORTHWESTERLY 10.00 FEET ADJOINING LOT 91, BEAVERBROOK POINTE PLAT 3, AN OFFICIAL PLAT, ALL BEING IN THE CITY OF GRIMES, POLK COUNTY, IOWA.



FILE: H:\2022\2205357\DWG\2205357-EASEMENT VACATION.DWG
FILE DATE: 5/16/23 DATE PLOTTED: 5/18/2023 10:45 AM
PLOTTED BY: JON ERDAHL:

1/1
2205.357

PT LOTS 19-22
HOPE COMMERCIAL PLAT 4
EASEMENT VACATION
GRIMES, IOWA

CIVIL DESIGN ADVANTAGE
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PH: (515) 369-4400

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Destination Ridge Plat 7 Final Plat

BACKGROUND:

The applicant is requesting approval of a final plat for property located at the southeast corner of SE Destination Drive and SE 3rd Street. The plat will consist of one development lot, one outlot for future development, and one street lot for the extension of SE 3rd Street to the east to the Grimes-Johnston boundary.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: No

BOARD/COMMISSION ACTION(S):
Planning and Zoning recommended approval – 06/05/2023

STAFF RECOMMENDATION:
Staff recommends approval of the Destination Ridge Plat 7 Final Plat.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

Prepared by: Alex Pfaltzgraff, City of Grimes 50111 515-986-4050

RESOLUTION NO 06-4623

RESOLUTION APPROVING FINAL PLAT OF DESTINATION RIDGE PLAT 7 AND CERTAIN RELATED AGREEMENTS AND EASEMENTS

WHEREAS, the preliminary plat and accompanying materials for Destination Ridge Plat 7, an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa (the "Plat"), have been filed with the City Clerk of the City of Grimes, Iowa, by All Points Development, L.C., (the "Developer"); and

WHEREAS, approval of the preliminary plat of the Plat has previously been given by the Grimes City Council at a regular meeting thereof; and

WHEREAS, the Developer has requested final approval of the Plat; and

WHEREAS, the Grimes Planning and Zoning Commission has recommended that the Plat be approved; and

WHEREAS, the Developer has not yet completed the installation of certain Public Improvements to be dedicated to the City, including street and streetlights in the Plat, and the Developer has entered into an Agreement to Complete Public Improvements; and

WHEREAS, the Developer has submitted to the City of Grimes a Warranty Deed for right-of-way located within the Plat; and

WHEREAS, the plat of Destination Ridge Plat 7 and the documents relating thereto comply in all other respects with the City of Grimes's Subdivision Ordinance.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRIMES, IOWA:

That the plat of Destination Ridge Plat 7 be and the same is hereby accepted and approved by the City Council of the City of Grimes.

BE IT FURTHER RESOLVED that the City of Grimes does hereby accept the following additional easements to be filed with the Plat:

1. Public Utility Line Easement
2. Public Sanitary Sewer Easement
3. Public Storm Sewer Easement
4. Private Access Easement
5. Public Water Main Easement (Offsite)
6. Public Sanitary Sewer Easement (Offsite)

BE IT FURTHER RESOLVED that the City of Grimes does hereby accept the Agreement to Complete Public Improvements.

BE IT FURTHER RESOLVED that the City of Grimes does hereby accept the right-of-way Warranty Deed.

BE IT FURTHER RESOLVED that the required sidewalks and trail within the Plat are not now constructed, provided, however, that in no event shall a certificate of occupancy be issued on a lot within the Plat until all sidewalks and trails on such lot that are required by the Plat are constructed. Issuance of the certificate of occupancy shall constitute the City's acceptance of such sidewalk or trail.

BE IT FURTHER RESOLVED that the Mayor and City Clerk are hereby authorized and directed to execute all easement and other agreements, and file the final plat of Destination Ridge Plat 7, as well as any other documents related thereto, with the Polk County Recorder.

PASSED AND APPROVED this 27th day of June, 2023.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

_____
Rochelle Williams, City Clerk

Planning & Zoning Staff Report

CITY OF GRIMES

DATE

June 5, 2023

PROJECT NAME

Destination Ridge Plat 7

Final Plat

APPLICANT

All Points Development LC

REQUESTED ACTION

Plat one lot for development and street lot for SE 3rd Street

LOCATION

Southeast corner of SE 3rd Street and SE Destination Drive

ZONING

C-2

Highway 141 Mixed Use Development Corridor District requirements for architecture and landscaping

PLANNER

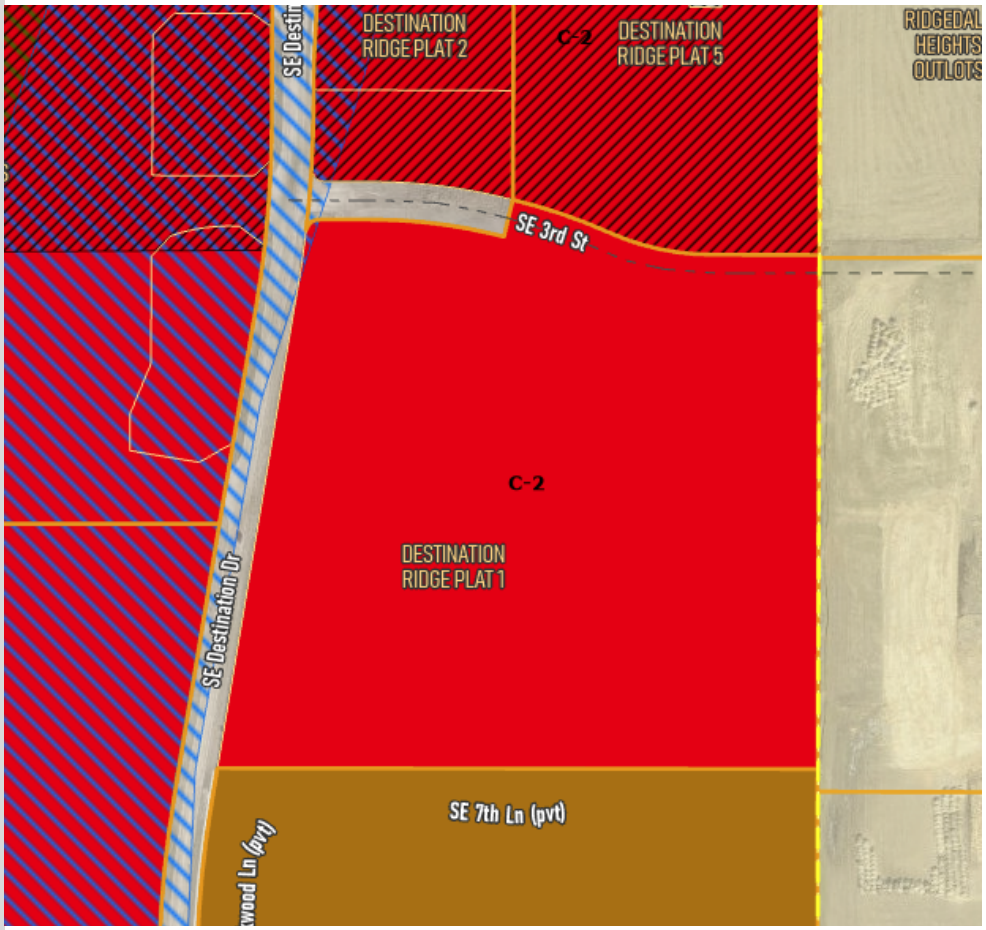
Evann Martin

emartin@grimesiowa.gov

515-986-4050

Location Map

Zoning Map



Relation to Comprehensive & Neighborhood Plans

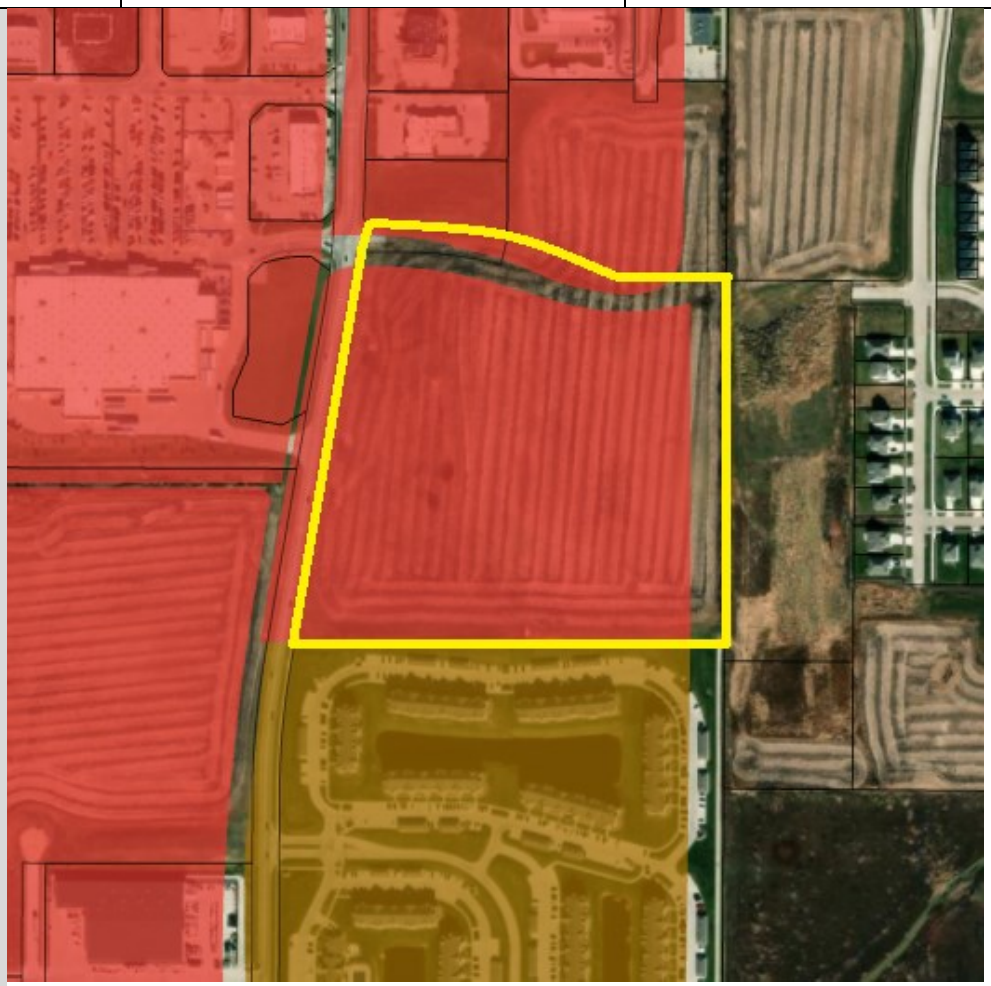
LAND USES & ZONING			
Location	**Existing Land Use**	**Land Use Plan Designation**	**Current Zoning**
Subject Site	Vacant	General Commercial	C-2
North	Vacant/Commercial	General Commercial	C-2
South	Residential	High Density Residential	R-3
East	Residential	Medium Density Residential (Johnston)	R-3 (Johnston)
West	Commercial	General Commercial	C-2

PARKS

The Parks & Trails Master Plan calls out a future trail along the east property line of the plat.

There is an existing trail easement for the trail construction. The trail will be constructed with each site plan neighboring the easement.

Since the site is commercial, no parkland dedication is required.



Future Land Use Map

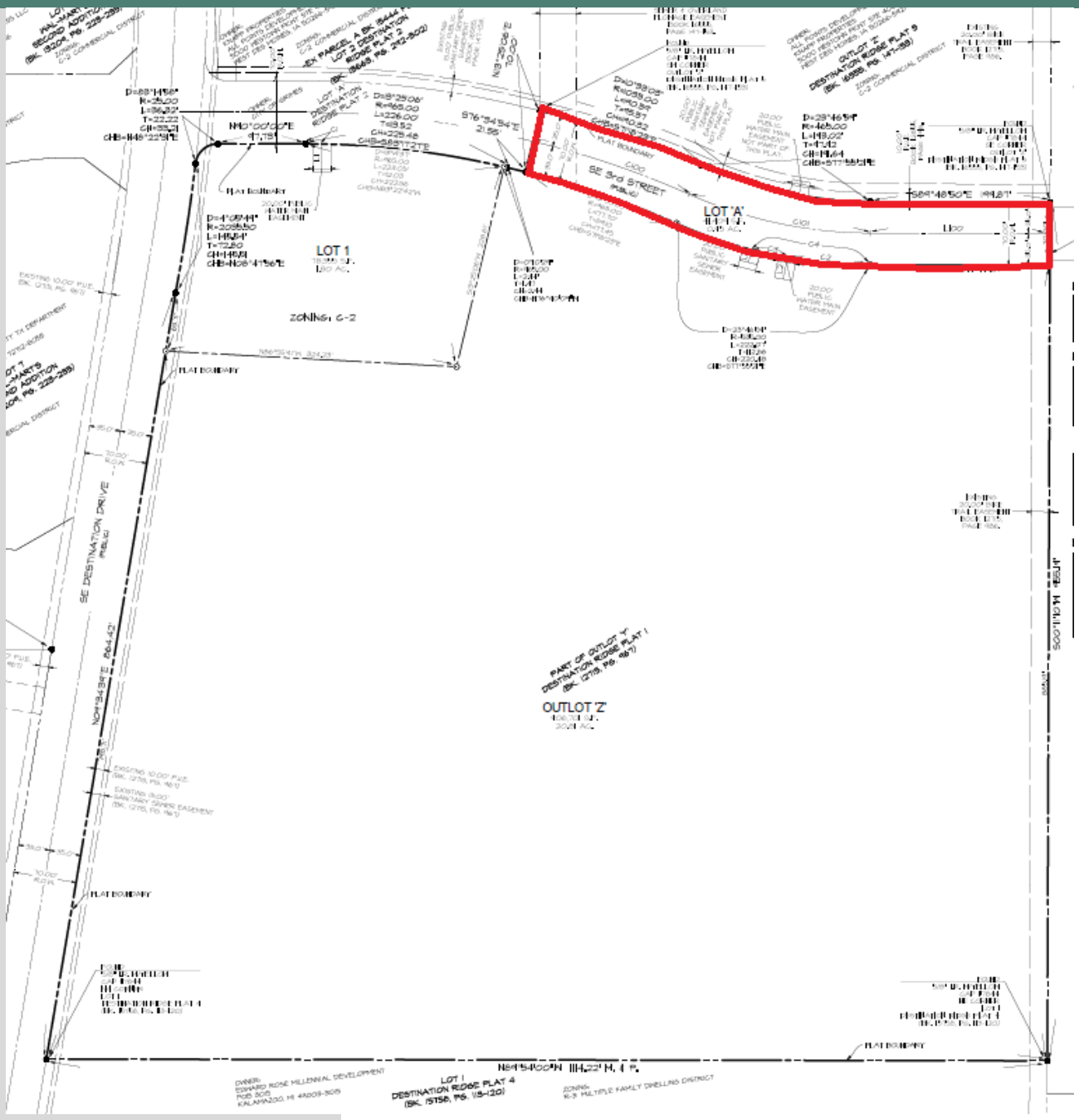
Legal

Legal

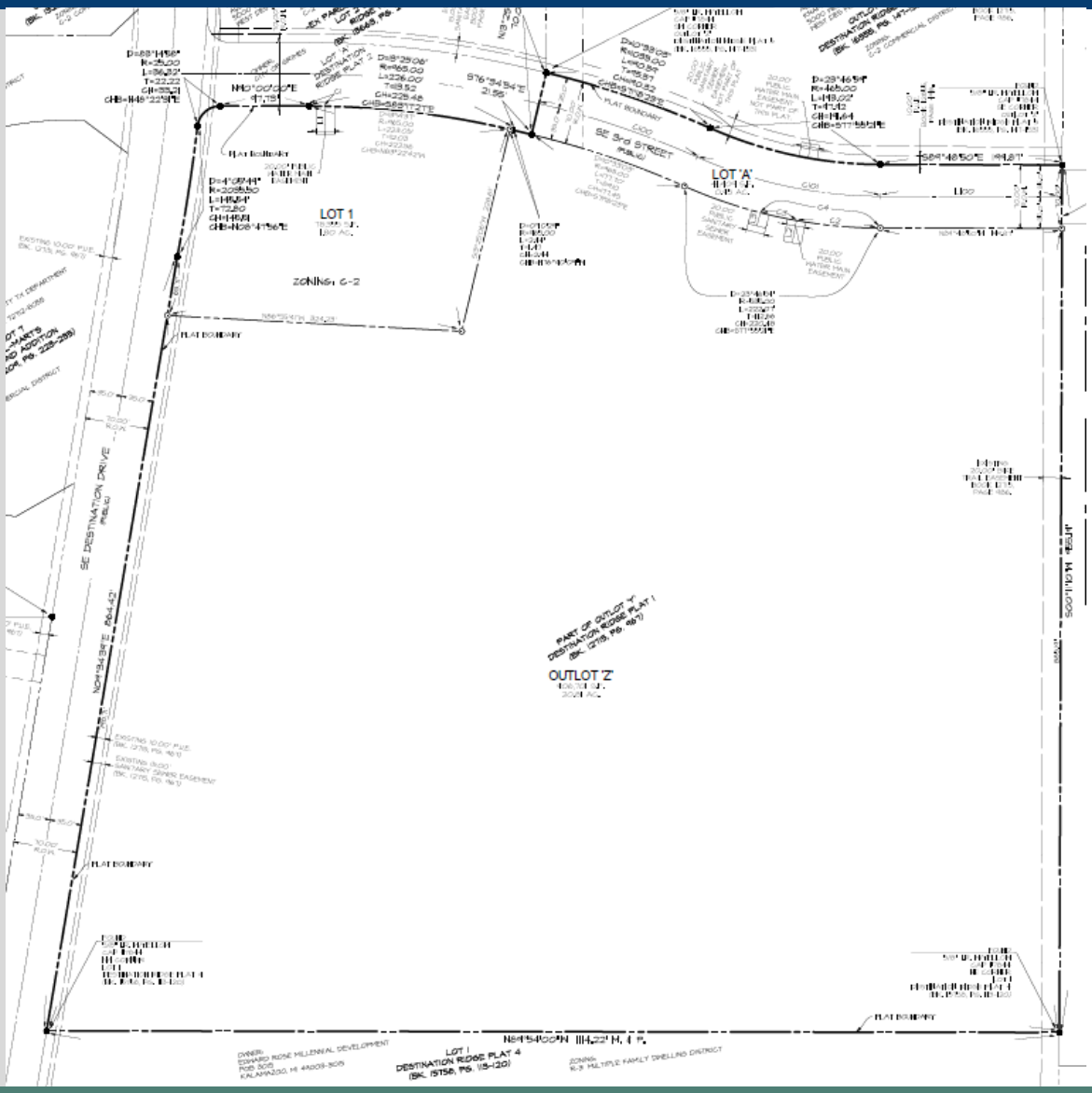
The plat includes a 70′ wide street lot for extension of SE 3rd Street to the Grimes boundary connecting to Grenville Drive in Johnston.

An Agreement to Complete public improvements for SE 3rd Street will be required as part of the platting documents.

The City attorney will assist in review of the platting legal documents.



Plat Layout & Utilities



Plat Layout

PLAT LAYOUT

The property will be divided into one 1.8-acre development lot at the southeast corner of SE Destination Drive and SE 3rd Street. The remainder of the property will be an outlot for future development. A plat will be required for the outlot prior to development. An ingrees/egress easement will be provided for shared access between Lot 1 and future development to the east.

RIGHT-OF-WAY

The plat includes a street lot for the extension of SE 3rd Street to the eastern boundary of Grimes and will connect to future Grenville Drive in Johnston.

UTILITIES

Sanitary and water is available along SE Destination Drive and SE 3rd Street.

STORM WATER

Lot 1 will provide detention on site. Detention for the outlot will be determined with future platting.

Conclusion

STAFF RECOMMENDATION

Staff recommends approval of the final plat.

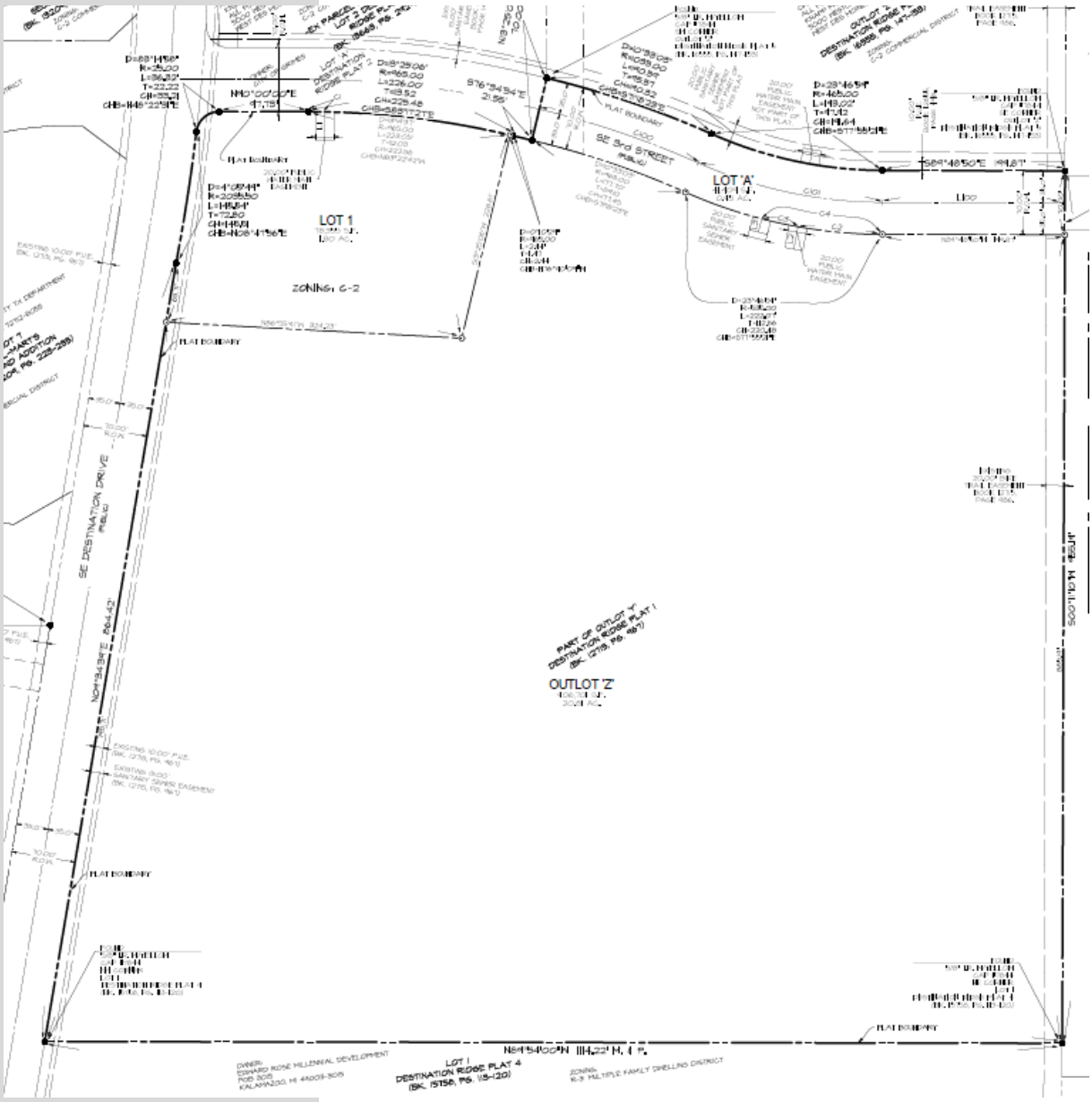
Conclusion

The plat will divide the property into one lot for development for the Inspiring Dance site plan. The remainder of the plat will be an outlot for future development.

Right-of-way for the extension of SE 3rd Street is provided. Construction drawings for the street are in review with street construction anticipated to begin this summer.

All plat legal documents need to be submitted and reviewed by staff and the City attorney.

The final plat will be recorded prior to issuing Certificate of Occupancy for Lot 1.



Development Services
410 SE Main St, Suite 102
Grimes, IA 50111
(515)986-4050
www.grimesiowa.gov

~~May 25, 2023~~
~~June 7, 2023~~
June 19, 2023

Civil Engineering Consultants
Attn: Paul Clausen
2400 86th Street, Unit 12
Des Moines, IA 50322

RE: Destination Ridge Plat 7 Final Plat

Dear Mr. Clausen:

The Development Services Department is in receipt of a proposed Final Plat for Destination Ridge Plat 7. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

1. ~~Provide $2000 plat fee. The check we received was for $3000.~~

Sheet 1:

1. ~~Update Note #2 to say Zone 2 instead of 1.~~

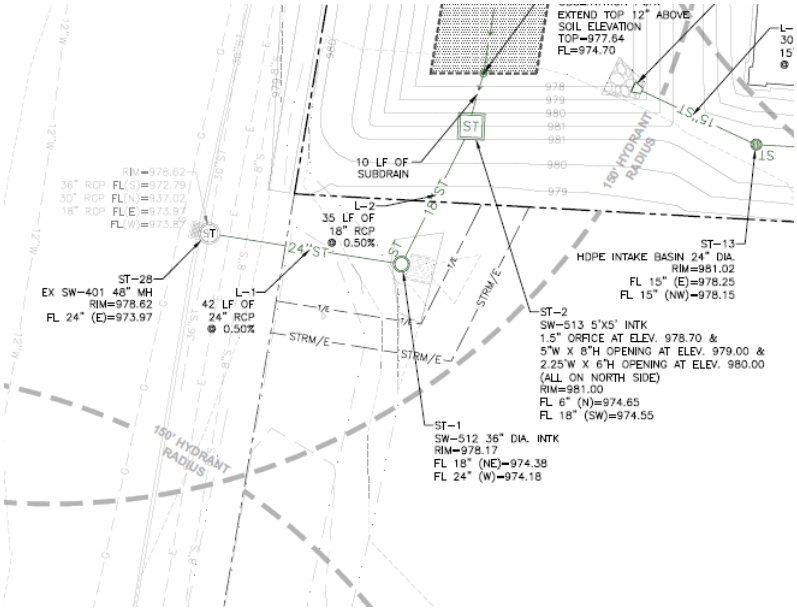
Sheet 2:

1. ~~Label Lot 1 address – 2340 SE 3rd St~~

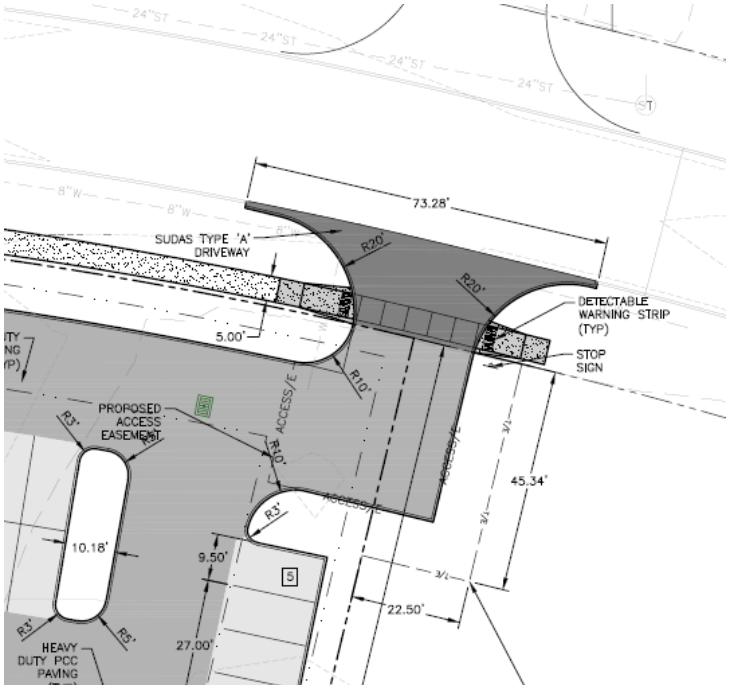
2. ~~Remove water main easement on Lot 1. This is a private water service and does not need an easement.~~

3. ~~Will PUE be needed along SE 3rd St?~~

4. Label public storm sewer in Outlot Z along SE Destination Dr. as proposed in the site plan for Lot 1. See below. Please label the easement on the plat. This is a public easement. Please label the easement dimensions on the plat.



5. ~~Label private ingress/egress easement for the shared driveway.~~



6. ~~Provide easement documents and legal descriptions for the water main and sanitary easements on north side of SE 3rd St. Update the sanitary easement area to match the sanitary construction in the CDs.~~

Legal Comments:

1. ~~Title opinion~~

2. ~~Consent(s) to Plat~~

    a. ~~Owner consent~~
    b. ~~Mortgagee consent (if applicable)~~

3. ~~Treasurer's Certificate~~

4. ~~County Subdivision Name Approval~~

5. ~~Legal description in Word format~~

6. Easement documents and legal descriptions. Templates are provided. Need easement documents for all easements.

    a. ~~PUE~~
    b. Private ingress/egress Easement area and description does not match what CDA has shown. Which is correct? Please coordinate.
    c. Public Storm sewer Easement area and description does not match what CDA has shown. Which is correct? Please coordinate.
    d. ~~Public water main (outside the plat)~~
    e. ~~Public sanitary sewer (inside and outside the plat)~~

7. ~~Declaration and Covenants, Restrictions and Easements~~

8. Executed Mid-American Energy electric and Black Hills gas distribution agreement. Please provide.

9. Agreement to Complete with performance bond (if applicable) Draft agreement provided. Include performance bond amount

10. 4-year maintenance bond Please provide

11. Letter from the surveyor confirming that monuments are in place. Confirmation is required prior to issuing a Certificate of Occupancy. Please provide

12. Provide Warranty Deed for Lot A Provide ground water statement

Please provide a letter addressing all comments on this comment letter and/or state what was modified on the site plan to address said comments.

SITE PLAN SUBMITTAL SCHEDULE:

SUBMITTAL DATE: June 1, 2023
(1 PDF of Final Plat and Legals)

PLANNING & ZONING: June 5, 2023 at 5:30

COUNCIL MEETING: June 27, 2023 at 5:30

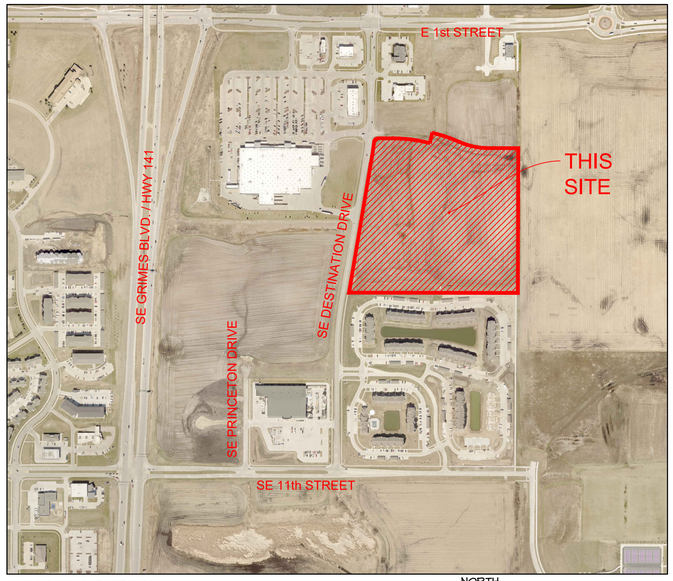
Please feel free to contact me at emartin@grimesiowa.gov or at (515) 986-4050 if you have any questions or need additional information.

Sincerely,
Evann Martin
Assistant Planner

INDEX LEGEND	
COUNTY:	POLK
CITY:	GRIMES
SUBDIVISION:	DESTINATION RIDGE PLAT 1
LOTS:.	OUTLOT 'Y'
PROPRIETOR (S):	ALL POINTS DEVELOPMENT L.C.
REQUESTED BY:	ALL POINTS DEVELOPMENT L.C.
PROFESSIONAL LAND SURVEYOR:	JEFFREY A. GADDIS, PLS
RETURN TO: COMPANY:	CIVIL ENGINEERING CONSULTANTS, INC ATTN: JEFFREY A. GADDIS 2400 86TH STREET, SUITE 12, URBANDALE, IA 50322 PHONE: 515-276-4884

FINAL PLAT
DESTINATION RIDGE PLAT 7
GRIMES, IOWA

ALL POINTS DEVELOPMENT L.C., KNAPP PROPERTIES,
5000 WESTOWN PARKWAY, SUITE 400, WEST DES MOINES, IA 50266



VICINITY SKETCH
1" = 500'

NORTH

Sheet List Table	
Sheet Number	Sheet Title
01	COVER
02	FINAL PLAT

SUBMITTAL TABLE	
SUBMITTAL DATE	SUBMITTAL NOTES
MAY 19, 2023	INITIAL SUBMITTAL
JUNE 02, 2023	
JUNE 09, 2023	

PROPERTY OWNER / DEVELOPER
ALL POINTS DEVELOPMENT L.C.
KNAPP PROPERTIES
5000 WESTOWN PARKWAY SUITE 400
WEST DES MOINES, IA 50266-5921
CONTACT: TOM WITTMAN
515-223-4000
TOM.WITTMAN@KNAPPPROPERTIES.COM

PROFESSIONAL LAND SURVEYOR:
CIVIL ENGINEERING CONSULTANTS
ATTN: JEFFREY A. GADDIS, PLS #18381
2400 86TH STREET, SUITE #12
URBANDALE, IA 50322
PHONE: 515-276-4884 EXT 221
EMAIL: GADDIS@CECLAC.COM

PROJECT MANAGER:
PAUL CLAUSEN, PE
CIVIL ENGINEERING CONSULTANTS
2400 86TH STREET, #12
DES MOINES, IOWA 50322
PH. 515-276-4884 EXT. #217
EMAIL: CLAUSEN@CECLAC.COM

LEGAL DESCRIPTION
ALL OF OUTLOT 'Y', DESTINATION RIDGE PLAT 1, AN OFFICIAL PLAT RECORDED IN BOOK 12715, PAGE 967-974, AT THE POLK COUNTY RECORDER'S OFFICE, IN THE NW1/4 OF SECTION 4, TOWNSHIP 79 NORTH, RANGE 25 WEST OF THE 5th P.M., CITY OF GRIMES, POLK COUNTY IOWA; EXCEPT DESTINATION RIDGE PLAT 2, AN OFFICIAL PLAT RECORDED IN BOOK 13663, PAGE 242-302 AT THE POLK COUNTY RECORDER'S OFFICE; EXCEPT DESTINATION RIDGE PLAT 4, AN OFFICIAL PLAT RECORDED IN BOOK 15758, PAGE 113-120 AT THE POLK COUNTY RECORDER'S OFFICE; AND EXCEPT DESTINATION RIDGE PLAT 5, AN OFFICIAL PLAT RECORDED IN BOOK 16555, PAGE 147-153 AT THE POLK COUNTY RECORDER'S OFFICE AND CONTAINING 23.56 ACRES MORE OR LESS.

LAND AREA
1,026,464 SQUARE FEET
23.56 ACRES

ZONING
C-2 (GENERAL AND HIGHWAY
SERVICE COMMERCIAL DISTRICT)

BULK REGULATIONS

LOT AREA:	NO MINIMUM REQUIREMENT
LOT WIDTH:	NO MINIMUM REQUIREMENT
FRONT YARD SETBACK:	25 FT
SIDE YARD SETBACK:	NOT ANY UNLESS ADJOINING TO "R" DISTRICT OR STREET RIGHT-OF-WAY, IN WHICH CASE 25 FT
REAR YARD SETBACK:	25 FT
MAXIMUM HEIGHT:	45 FT
MAXIMUM STORIES:	3 STORIES

LOTS WITH FRONTAGE ALONG SE DESTINATION DRIVE ARE TO FOLLOW THE HIGHWAY 141 MIXED CORRIDOR DISTRICT ZONE 2 ARCHITECTURE AND LANDSCAPE REQUIREMENTS PER ORDINANCE 569.

NOTES
1. PROPERTIES WITHIN THIS DEVELOPMENT ARE REQUIRED TO ADHERE TO THE GRIMES' "POST-CONSTRUCTION STORM WATER RUNOFF CONTROL ORDINANCE. EACH LOT WILL BE RESPONSIBLE FOR THEIR OWN DETENTION. THE ALLOWABLE DISCHARGE RATE IS THE 5-YEAR UNDEVELOPED RUNOFF.
2. LOT 1 IS WITHIN THE HWY 141 MIXED USE OVERLAY DISTRICT, ZONE 2.
3. NO DEVELOPMENT MAY OCCUR ON OUTLOT 'Z' OF THIS PLAT UNTIL SAID OUTLOT HAS BEEN FURTHER SUBDIVIDED INTO NUMBERED LOTS AND APPROVED BY THE CITY OF GRIMES.
4. LOT 'A' SHALL BE DEEDED TO THE CITY OF GRIMES, IOWA FOR PUBLIC STREET PURPOSES.

PROFESSIONAL LAND SURVEYOR NOTES:
1. THE ALLOWABLE ERROR OF CLOSURE FOR THE BOUNDARY IS 1:10,000 AND THE ALLOWABLE ERROR OF CLOSURE FOR EACH LOT IS 1:5,000.
2. THE EASEMENTS SHOWN ON ADJOINING OWNERS PROPERTY ARE NOT PART OF THIS PLAT AND ARE SHOWN FOR REFERENCE ONLY. THESE EASEMENTS SHALL BE ACQUIRED THROUGH A SEPARATE RECORDED DOCUMENT.
3. THIS PARCEL MAY BE SUBJECT TO EASEMENTS OF RECORD. NO TITLE WORK WAS PROVIDED IN PREPARATION OF THIS SURVEY.
4. MONUMENTS TO BE SET WITHIN ONE YEAR THE FINAL PLAT'S RECORDING DATE.
5. ALL EASEMENTS SHOWN ARE PROPOSED EASEMENTS UNLESS LABEL AS **(EXISTING)**.
6. IF THIS FINAL PLAT INDICATES SETTING AN IRON ROD AND THE EXISTING CONDITIONS WILL NOT ALLOW THIS TYPE OF MONUMENT, A CUT 'X' WILL BE SET IN PORTLAND CEMENT CONCRETE (P.C.C.) OR A 'MAG NAIL' WILL BE SET IN ASPHALTIC CEMENT CONCRETE (A.C.C. OR H.M.A.).

CERTIFICATION
*** THIS LAND SURVEYOR'S CERTIFICATION DOES NOT INCLUDE DESIGN SPOT ELEVATIONS, MINIMUM PROTECTION ELEVATIONS, MINIMUM OPENING ELEVATIONS, MINIMUM BASEMENT ELEVATIONS, DETENTION BASIN & STORM WATER EVENT ELEVATIONS, OR ANY OTHER ITEMS THAT MAY FALL UNDER THE PRACTICE OF A PROFESSIONAL CIVIL ENGINEER. ***

PRELIMINARY

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

JEFFREY A. GADDIS, IOWA LICENSE NO. 18381 DATE
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2024

SHEETS 1 & 2

FEMA F.I.R.M. CLASSIFICATION
THIS PARCEL LIES WITHIN FLOOD ZONE 'X' AS IDENTIFIED ON FEMA FLOOD INSURANCE RATE MAP NO. 19153C0165F OF WITH EFFECTIVE DATE OF FEBRUARY 1, 2019

COMMUNITY PANEL NUMBER	PANEL	SUFFIX
• CITY OF GRIMES	190228	0165F
• POLK COUNTY	190401	0165F

AND

THIS PARCEL LIES WITHIN FLOOD ZONE 'X' AS IDENTIFIED ON FEMA FLOOD INSURANCE RATE MAP NO. 19153C0155F OF WITH EFFECTIVE DATE OF FEBRUARY 1, 2019

COMMUNITY PANEL NUMBER	PANEL	SUFFIX
• CITY OF GRIMES	190228	0165F

*** FEMA MAPS ARE SUBJECT TO CHANGE ***
PLEASE SEE FEMA FLOOD MAP SERVICE CENTER FOR CURRENT MAPS
WEB: WWW.FEMA.GOV
MAIL: FEMA REGION VII, 9221 WARD PARKWAY, KANSAS CITY, MO 64114
PHONE: 1-877-336-2627
EMAIL: FEMAMAPSPECIALIST@RISKMAPCDS.COM

BENCHMARK
GRIMES BENCH MARK GTC-002
BURY BOLT ON HYDRANT AT THE SE CORNER OF 1ST STREET & GATEWAY DRIVE.
ELEVATION = 940.51

CUT "△" ON THE TRAFFIC SIGNAL BASE AT THE SOUTHEAST CORNER OF THE IOWA HIGHWAY #141 AND THE HIGHWAY #44 INTERCHANGE.
ELEVATION = 972.49

LEGEND

▲	FOUND SECTION CORNER
●	FOUND CORNER W/ 5/8" I.R. W/YELLOW CAP #7844 UNLESS OTHERWISE NOTED
⊙	SET PROPERTY CORNER W/ 5/8" I.R. W/BLUE CAP #18381 UNLESS OTHERWISE NOTED
———	PLAT BOUNDARY
———	EXISTING PROPERTY LINES
———	PROPOSED LOTS
———	EASEMENT LINES
———	BUILDING SETBACK LINES (B.S.L.)
———	CENTERLINE STREET
D.	DEEDED BEARING & DISTANCE
P.	PREVIOUSLY RECORDED BEARING & DISTANCE
M.	MEASURED BEARING & DISTANCE
I.R.	IRON ROD
I.P.	IRON PIPE
BK. XXX, PG. XXX	COUNTY RECORDER'S INDEXING BOOK
R.O.W.	RIGHT-OF-WAY
P.U.E.	PUBLIC UTILITY EASEMENT
P.O.B.	POINT OF BEGINNING
B.S.L.	BUILDING SETBACK LINE
(1234)	ADDRESS

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . Fax: 515.276.7084 . mail@ceclac.com

PUBLISH DATE: June 9, 2023
DATE OF SURVEY:
DESIGNED BY: FC
DRAWN BY: MEH

PRELIMINARY
DESTINATION RIDGE PLAT 7
GRIMES, IOWA
COVER

SHEET 01 OF 02

E8719

PLOT BY: MIKE MORGAN - 2023/06/09 - Q:\E-FILES\E-8000\E8719_c3d drawings\Plat\FPE8719 FP COVER.dwg, 6/9/2023 8:37:43 AM, mmorgan, 1:1
Q:\E-FILES\E-8000\E8719_c3d drawings\Plat\FPE8719 FP COVER.dwg } - ANSI FULL BLEED D (34.00 X 22.00 INCHES) - AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 - CEC-XEG.CTB - PLOT SCALE = 1:1

OWNER:
UNPLUGGED WIRELESS LLC
POB 339
PANORA, IA 50216

LOT 1
KAL-MART'S
SECOND ADDITION
(BK. 13204, PG. 223-235)

ZONING:
C-2 COMMERCIAL DISTRICT

OWNER:
KNAPP PROPERTIES
ALL POINTS DEVELOPMENT LC
5000 WESTOWN PKWY STE 400
WEST DES MOINES, IA 50266-5921

ZONING:
C-2 COMMERCIAL DISTRICT

EX. PARCEL A BK. 15444 PG 171-
LOT 3 DESTINATION
RIDGE PLAT 2
(BK. 18663, PG. 392-302)

EXISTING
15.00' PUBLIC
SANITARY SEWER
EASEMENT
BOOK 16555,
PAGE 147-153.

EXISTING 40.00' PUBLIC
SANITARY, STORM
SEWER & OVERLAND
FLOWAGE EASEMENT
BOOK 16555,
PAGE 147-153.

FOUND
5/8" I.R. WYELLOW
CAP #1844
SW CORNER
OUTLOT 'Z'
DESTINATION RIDGE PLAT 5
(BK. 16555, PG. 147-153)

OWNER:
ALL POINTS DEVELOPMENT LC
KNAPP PROPERTIES
5000 WESTOWN PKWY STE 400
WEST DES MOINES, IA 50266-5921

OUTLOT 'Z'
DESTINATION RIDGE PLAT 5
(BK. 16555, PG. 147-153)

ZONING:
C-2 COMMERCIAL DISTRICT

EXISTING
20.00' BIKE
TRAIL EASEMENT
BOOK 12715,
PAGE 986.

OWNER:
REZA KARGARZEEH
HOPE K. FARMS LLC
1548 S 48TH ST
WEST DES MOINES, IA 50265-5765

OUTLOT F
RIDGEDALE HEIGHTS OUTLOTS
(BK. 17634, PG. 543-555)

ZONING:
A-R AGRICULTURAL RESERVE DISTRICT

OWNER:
MS 0559
KAL-MART PROPERTY TX DEPARTMENT
POB 8050
BENTONVILLE, AR 72712-8055

LOT 6
KAL-MART'S
SECOND ADDITION
(BK. 13209, PG. 223-235)

ZONING:
C-2 COMMERCIAL DISTRICT

OWNER:
CITY OF GRIMES

LOT 'A'
DESTINATION
RIDGE PLAT

D=89°14'58"
R=25.00
L=38.92'
T=22.22
CH=35.21
CHB=N48°22'31"E

N90°00'00"E
97.73'

PLAT BOUNDARY

D = 13°25'06"
R = 965.00'
L = 226.00'
T = 113.52'
CH = 225.48'
CHB = S83°11'27"E

S76°34'54"E
21.55'

N13°25'06"E
70.00'

D=10°33'03"
R=1035.00
L=190.59'
T=95.57
CH=190.32
CHB=S71°18'23"E

D=23°46'59"
R=465.00
L=193.02'
T=97.92
CH=191.64
CHB=S71°55'21"E

FOUND
5/8" I.R. WYELLOW
CAP #1844
SE CORNER
OUTLOT 'Z'
DESTINATION RIDGE PLAT 5
(BK. 16555, PG. 147-153)

S89°48'50"E 199.87'

PLAT BOUNDARY

D=2°49'37"
R=2035.50
L=100.43'
T=50.22
CH=100.42
CHB=N08°09'30"E

N10°14'42"E
42.91'
M. & P.

(2340)
SE 3rd STREET

LOT 1
78,364 S.F.
1.80 AC.

SE 3rd STREET
(PUBLIC)

D=10°33'03"
R=465.00
L=171.70
T=86.10
CH=171.45
CHB=S71°18'23"E

D=0°10'26"
R=465.00
L=2.93'
T=1.47
CH=2.93
CHB=N16°40'07"W

S13°25'05"W 228.81'

LOT 'A'
41,409 S.F.
0.95 AC.

C100

C101

C1

L100

N89°48'50"W 199.87'

20.00'
PUBLIC
SANITARY
SEWER
EASEMENT

10.00'
P.U.E.

D=23°46'54"
R=535.00
L=222.07'
T=112.66
CH=220.48
CHB=S71°55'21"E

EXISTING 10.00' P.U.E.
(BK. 12715, PG. 967)

ZONING: C-2

N86°55'42"W 324.25'

97.49'

PUBLIC STORM
SEWER EASEMENT

35.0' 35.0'

70.00'
R.O.W.

PLAT BOUNDARY

SE DESTINATION DRIVE
(PUBLIC)

S04°34'34"W 866.63'

OWNER:
MS 0559
KAL-MART PROPERTY TX DEPARTMENT
POB 8050
BENTONVILLE, AR 72712-8055

LOT 7
KAL-MART'S
SECOND ADDITION
(BK. 13209, PG. 223-235)

ZONING:
C-2 COMMERCIAL DISTRICT

FOUND
5/8" I.R. WYELLOW
CAP #1844
NE CORNER
OUTLOT 'Z'
DESTINATION RIDGE PLAT 1
(BK. 12715, PG. 967-979)

EXISTING 10.00' P.U.E.
(BK. 12715, PG. 967)

OWNER:
KNAPP PROPERTIES
ALL POINTS DEVELOPMENT LC
5000 WESTOWN PKWY STE 400
WEST DES MOINES, IA 50266-5921

OUTLOT 'Z'
DESTINATION RIDGE PLAT 6
(BK. 17758, PG. 984-985)

ZONING:
C-2 COMMERCIAL DISTRICT

EXISTING 30.00'
STORM SEWER EASEMENT
(BK. 13673, PG. 107)

708.71'

EXISTING 10.00' P.U.E.
(BK. 12715, PG. 967)

EXISTING 15.00'
SANITARY SEWER EASEMENT
(BK. 12715, PG. 967)

35.0' 35.0'

70.00'
R.O.W.

PLAT BOUNDARY

PART OF OUTLOT 'Y'
DESTINATION RIDGE PLAT 1
(BK. 12715, PG. 967)

OUTLOT 'Z'
906,896 S.F.
20.81 AC.

N00°11'10"E 955.19'

OWNER:
TRANSITION PROPERTIES LLC
1296 94TH ST SE
ALTOONA, IA 50009

OUTLOT E
RIDGEDALE HEIGHTS OUTLOTS
(BK. 17634, PG. 543-555)

ZONING:
A-R AGRICULTURAL RESERVE DISTRICT

FOUND
5/8" I.R. WYELLOW
CAP #1844
NW CORNER
LOT 1
DESTINATION RIDGE PLAT 4
(BK. 15758, PG. 113-120)

FOUND
5/8" I.R. WYELLOW
CAP #1844
NE CORNER
LOT 1
DESTINATION RIDGE PLAT 4
(BK. 15758, PG. 113-120)

PLAT BOUNDARY

N89°54'00"W 1114.22' M. & P.

OWNER:
EDWARD ROSE MILLENNIAL DEVELOPMENT
POB 3015
KALAMAZOO, MI 49003-3015

LOT 1
DESTINATION RIDGE PLAT 4
(BK. 15758, PG. 113-120)

ZONING:
R-3 MULTIPLE FAMILY DWELLING DISTRICT

LOT 'A' CENTERLINE LINE TABLE

LINE TABLE		
LINE #	DIRECTION	LENGTH
L100	S89°48'50"E	199.87'

LOT 'A' CENTERLINE CURVE TABLE

CURVE DATA						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CH. BEARING
C100	10°33'03"	1000.00'	184.15'	92.33'	183.84'	S71°18'23"E
C101	23°46'54"	500.00'	207.55'	105.29'	206.06'	S71°55'21"E

EASEMENT LINE TABLE

LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	S14°28'24"W	15.00'

EASEMENT CURVE TABLE

CURVE DATA						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CH. BEARING
C1	14°17'19"	535.00'	133.42'	67.06'	133.08'	N82°40'10"W

SCALE: 1"=60'
0' 20' 40' 60' 120'
ON 34"x22" SHEET
1"=120' ON 11"x17" SHEET

NORTH

PRELIMINARY

DESTINATION RIDGE PLAT 7
GRIMES, IOWA

FINAL PLAT

SHEET
02
OF 02

E8719

Civil Engineering Consultants, Inc.
2400 86th Street . Unit 12 . Des Moines, Iowa 50322
515.276.4884 . Fax: 515.276.7084 . mail@ceciac.com
CEC

PUBLISH DATE: June 9, 2023
DATE OF SURVEY: XX
DESIGNED BY: FC
DRAWN BY: MEH

PLOT BY: MIKE MORGAN - 2023/06/09 - Q:\E-FILES\E-8000\E8719\TRL_c3d drawings\Plat\FP\E8719 FP DIMENSION.dwg - ANSI FULL BLEED D (34.00 X 22.00 INCHES) - AUTOCAD PDF (GENERAL DOCUMENTATION).pc3

Q:\E-FILES\E-8000\E8719_c3d drawings\Plat\FP\E8719 FP DIMENSION.dwg, 6/9/2023 8:37:56 AM, mmorgan, 1:1

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Grimes Plex Site Plan Amendment

BACKGROUND:
The site plan for the Grimes Plex was previously approved in November 2022. However, details regarding the concession buildings, maintenance building, and field lighting were not included in the initial plans because the details for these site items were not fully developed at the time. In an effort to keep the project moving forward, the City approved the plans without the building and lighting. Now that the details for the buildings and lighting have been developed, a site plan amendment is proposed for consideration to add the features to the site.

BUDGETARY CONSIDERATIONS: N/A

STRATEGIC PLANNING:
Prioritized: Yes

*High-Performing Organization/Exception Professional Services_____
*Great Place to Live/Expanded Quality of Life Amenities __X___
*Dynamic Town/Strong Sense of Community _____
*More Beautiful/Vibrant Community __X___

BOARD/COMMISSION ACTION(S):
Planning and Zoning recommended approval – 06/05/2023

STAFF RECOMMENDATION:
Staff recommends approval of the Grimes Plex Site Plan Amendment.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Evann Martin
Assistant Planner
emartin@grimesiowa.gov
515-986-4050

Prepared by: Evann Martin, Assistant Planner
Return to: Evann Martin, Assistant Planner

Planning & Zoning Staff Report

CITY OF GRIMES

DATE

June 5, 2023

PROJECT NAME

Grimes Plex

Site Plan Amendment

APPLICANT

City of Grimes

REQUESTED ACTION

Approve the site buildings and field lighting

LOCATION

1000 NE Heritage Drive

ZONING

R-4

Hope Commercial PUD

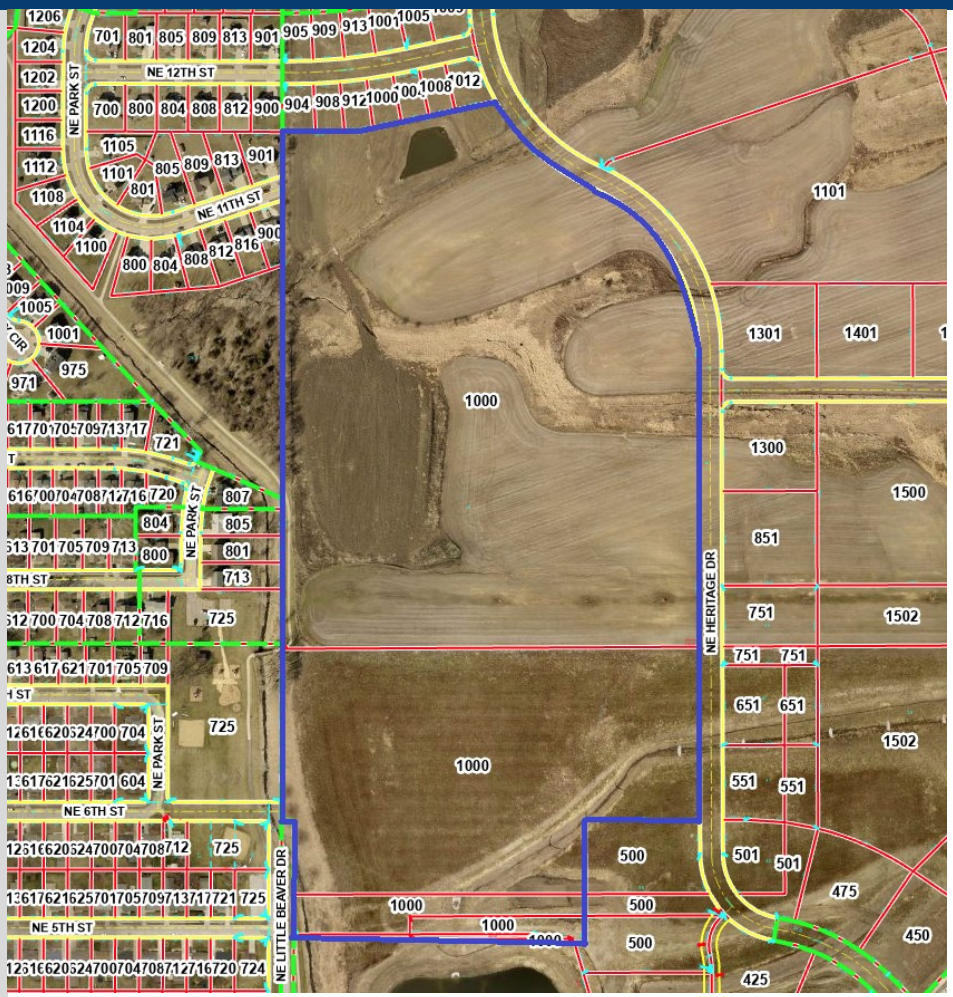
PLANNER

Evann Martin

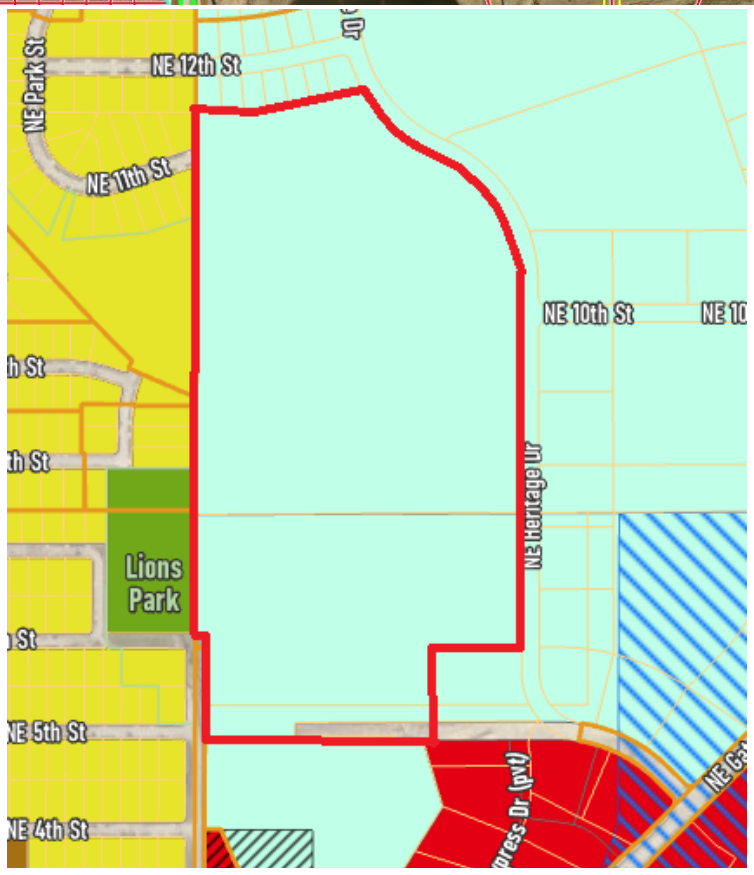
emartin@grimesiowa.gov

515-986-4050

Location Map



Zoning Map



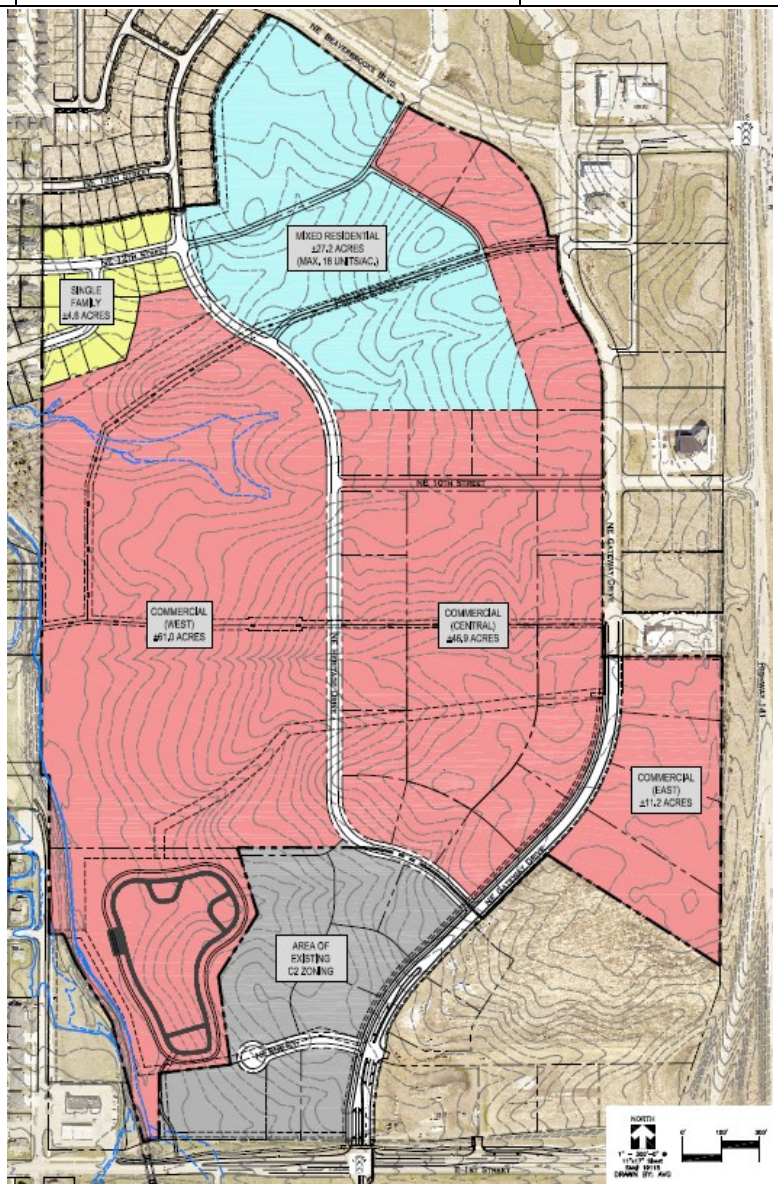
Relation to Comprehensive & Neighborhood Plans

LAND USES & ZONING			
Location	**Existing Land Use**	**Land Use Plan Designation**	**Current Zoning**
Subject Site	Vacant	General Commercial	R-4
North	Vacant	Single-Family/Mixed Residential	R-4
South	Vacant/Commercial	General Commercial	C-2
East	Vacant	General Commercial	R-4
West	Single-Family Residential	Low Density Residential	R-2

PARKS

The Parks and Trails Master Plan called for a park on the west side of the site but did not account for a large -scale sports facility like the Grimes Plex. The proposed trail connection from the existing trail to the west is not proposed. However, connectivity will still be provided through the Taylor Estates development out to NE Heritage Drive. Trail will connect from NE Heritage Drive to Gateway Drive as shown in the Master Plan. Additional trails along NE Heritage Drive and NE 10th Street have been planned and constructed that were not contemplated in the Master Plan.

Future Land Use Map



The Grimes Plex is located within the Commercial West land use area of the Hope Commercial PUD which permits sport facility development. The site is in conformance with the future land use plan.

Concession & Maintenance Buildings

CONCESSION BUILDINGS

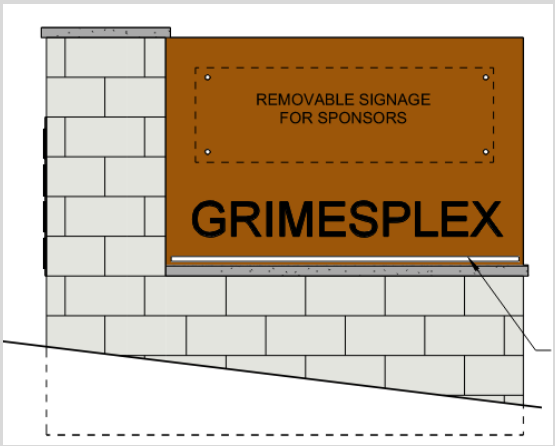
Two 2,6000 square foot concession buildings are proposed for the site: one at each of the drop off locations on the north and south side of the complex. The concession buildings will also include restrooms for patrons and office space for tournament staff.

MAINTENANCE BUILDING

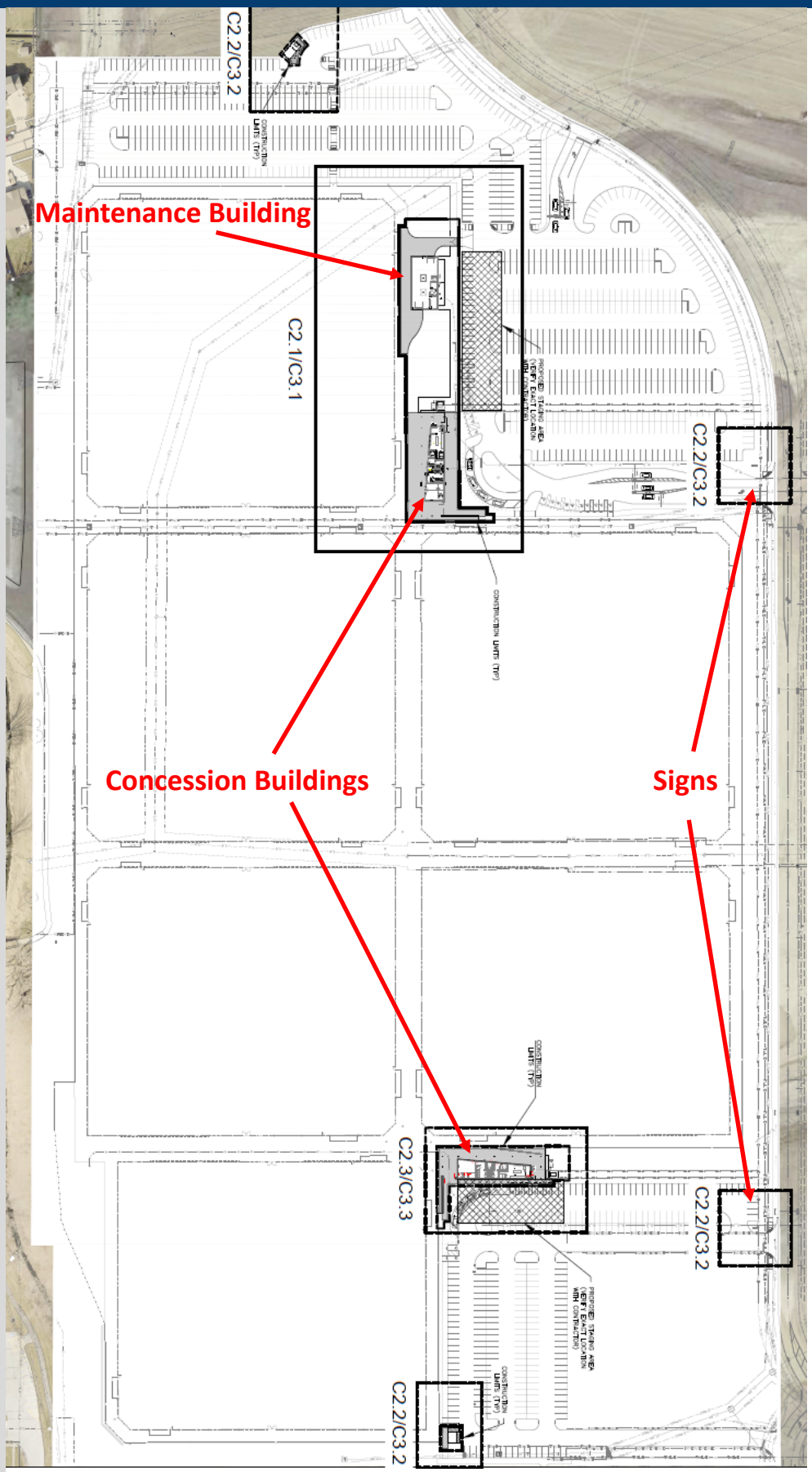
A 3,200 square foot maintenance building is proposed on the north side of the complex to house sports and facility maintenance equipment and a small office and break area. A gated driveway will connect from the parking lot to the building. Additional pavement is proposed to be constructed around the building to connect the overhead door access to the existing paved walkways within the facility.

COMPLEX SIGNAGE

Two ground-mounted signs are proposed at each of the entrances off of NE Heritage Drive. The signs will reserve space to display the Grimes Plex sponsor logo as well.



Site Layout



Architecture

BUILDING & ELEVATIONS

The maintenance building will be constructed of white CMU and wood-look Nichiha paneling with a slanted roof to be consistent with the shelter at Waterworks Park. An overhead door will be provided on the north and south side of the building.

The concession stand buildings will be constructed of the same materials with slanted roof. On the main entrance side of the concession buildings, there will be a randomized pattern of five different colors of CMU as shown below. The south concession building will feature a CMU wall with signage for photo opportunities.

DUMPSTER ENCLOSURES

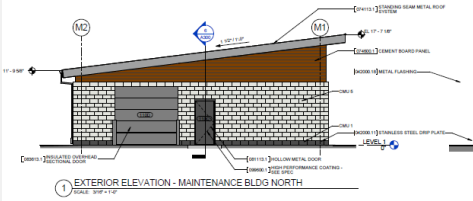
The dumpster enclosures with be constructed of white CMU to match the buildings with metal-framed composite gates.

Material Board

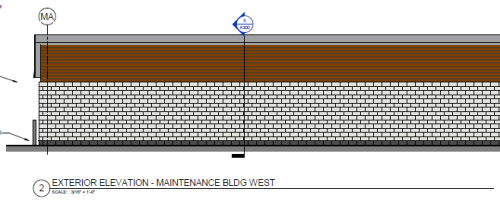
Onyx Split-Faced CMU — Onyx Travertine CMU — Ice White Burnished CMU — Ice White Travertine CMU — Grey Spice Travertine

Nichiha Vintagewood Redwood

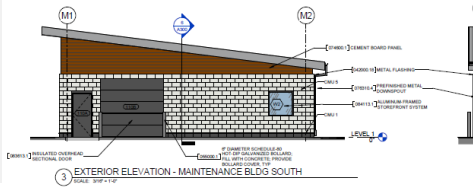
Example of travertine CMU. The color used will be onyx and ice white as shown above.



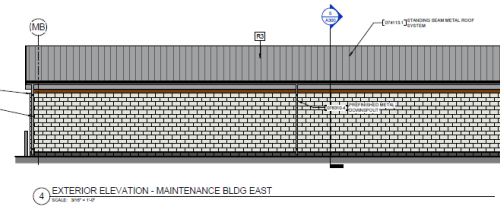
1 EXTERIOR ELEVATION - MAINTENANCE BLDG NORTH



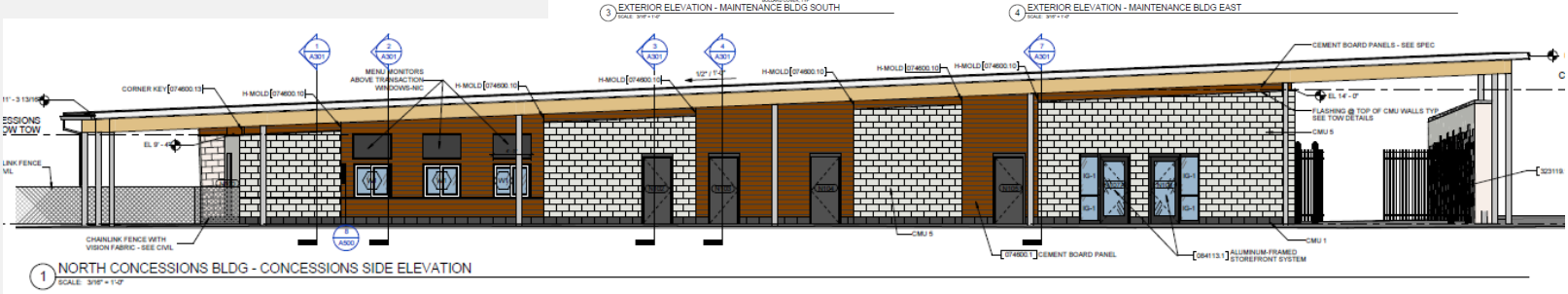
2 EXTERIOR ELEVATION - MAINTENANCE BLDG WEST



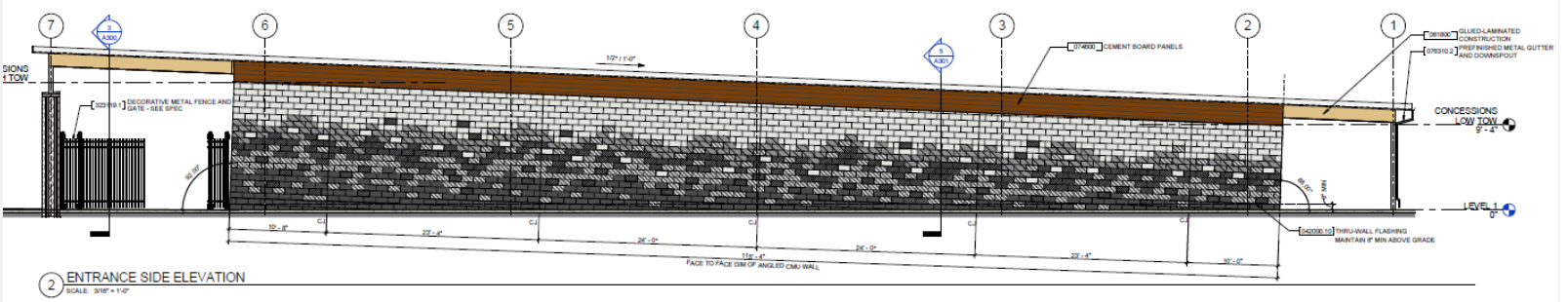
3 EXTERIOR ELEVATION - MAINTENANCE BLDG SOUTH



4 EXTERIOR ELEVATION - MAINTENANCE BLDG EAST



1 NORTH CONCESSIONS BLDG - CONCESSIONS SIDE ELEVATION

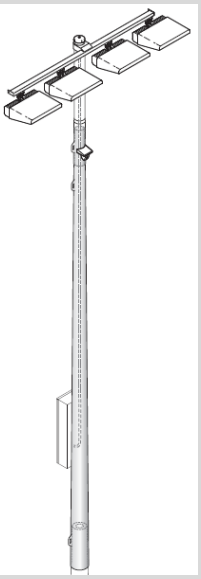


2 ENTRANCE SIDE ELEVATION

Field Lighting

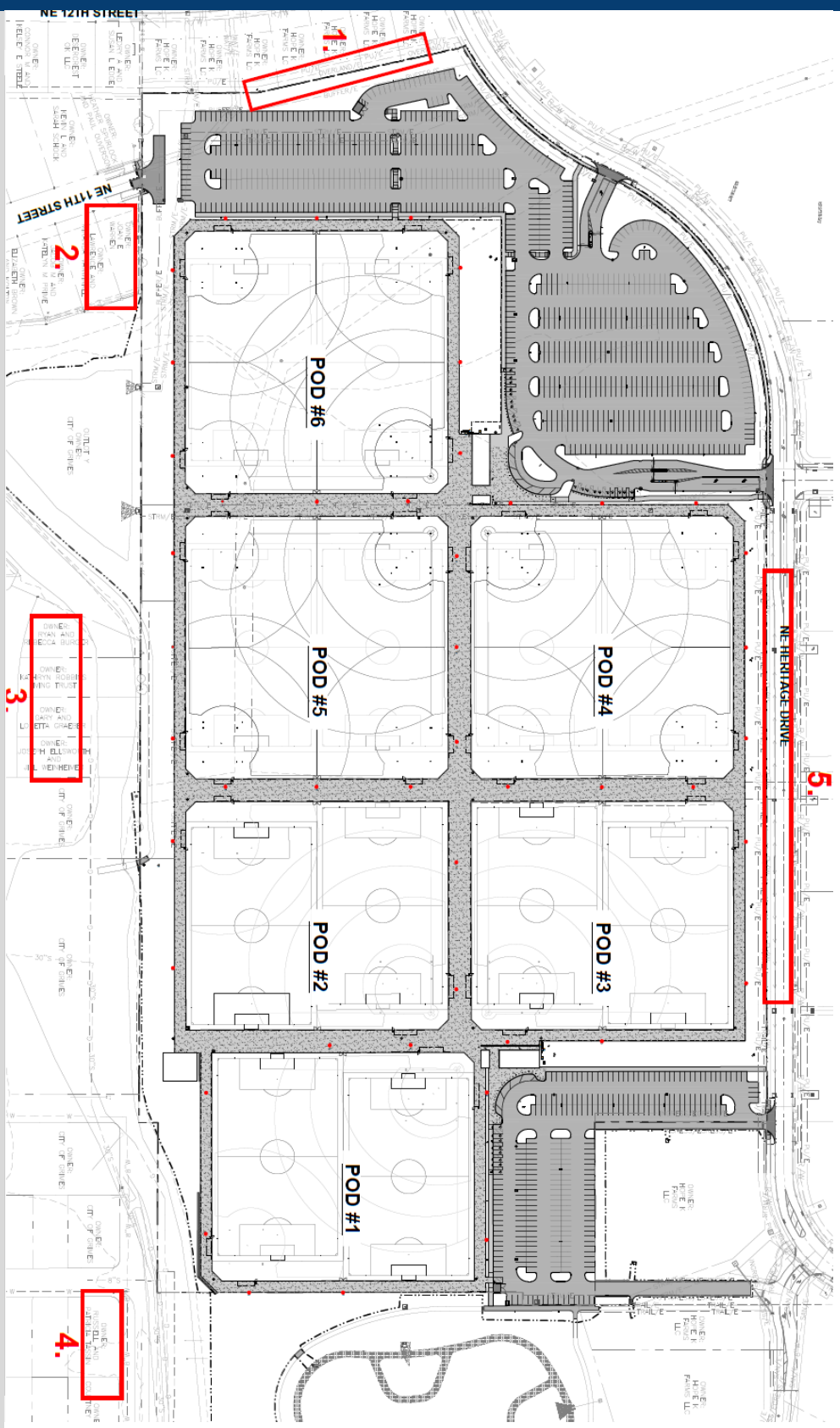
FIELD LIGHTING

The field lighting is designed by Musco Lighting, who designs and manufactures lighting for sports fields. Across the complex, there will be 45 field light poles at 70 and 90 feet in height. Some of the light poles will have lighting mounted at 16 feet in height as well to provide lighting for the walkways within the complex. The light fixtures are high cutoff LED lights which are designed to focus lighting on the fields and minimize light spillover into neighboring properties.



LIGHTING ANALYSIS

Musco has provided renderings for five locations surrounding the Grimes Plex to demonstrate the view and lighting levels for the surrounding properties. These area were chosen because they are more sensitive areas surrounding the complex. Location 1-4 are residential and location 5 is NE Heritage Drive. The highlighted locations on the map correspond to the viewpoint renderings on the next page. The renderings demonstrate the field lighting will be highly concentrated on the fields and not spill over into the neighboring properties.



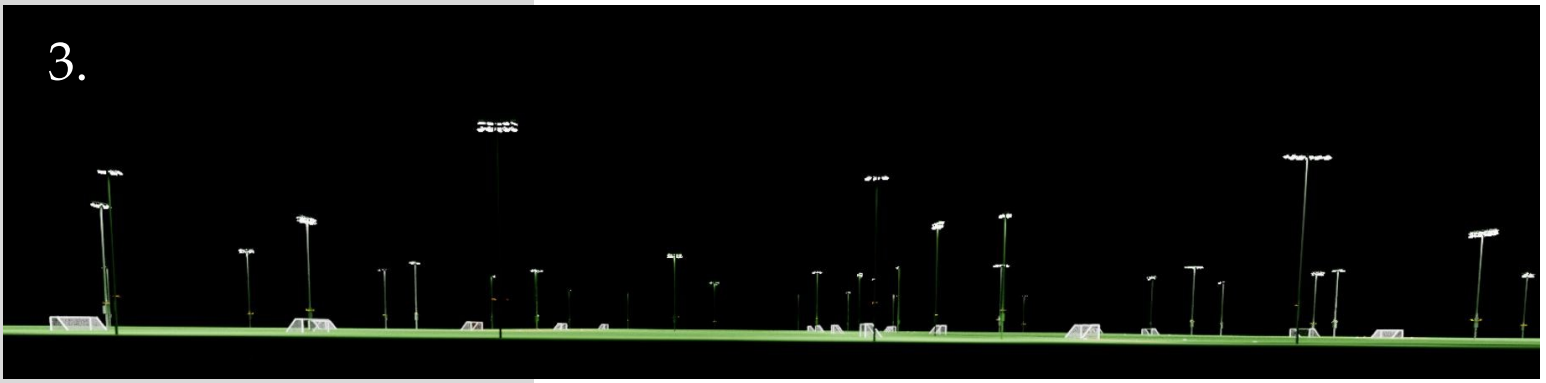
Lighting Layout

Field Lighting Analysis

1.

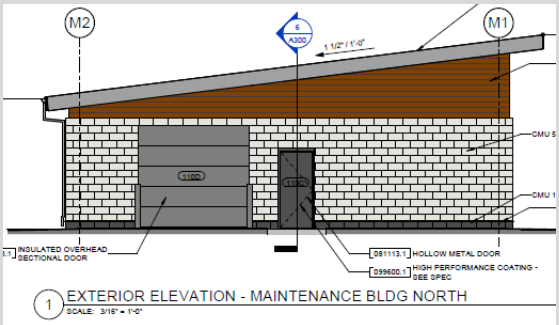
2.

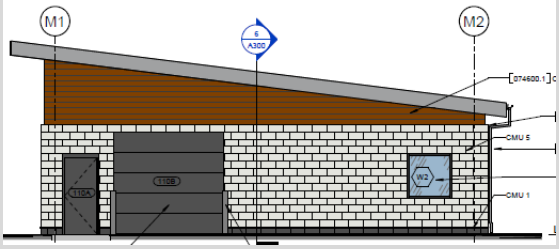
3.



4.

Conclusion





Conclusion

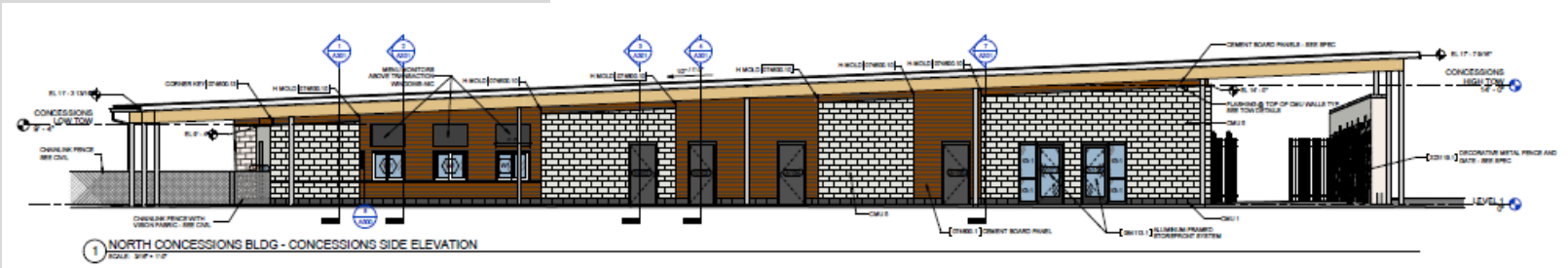
The site plan amendment includes the addition of the concession and maintenance buildings, dumpster enclosures, and field lighting.

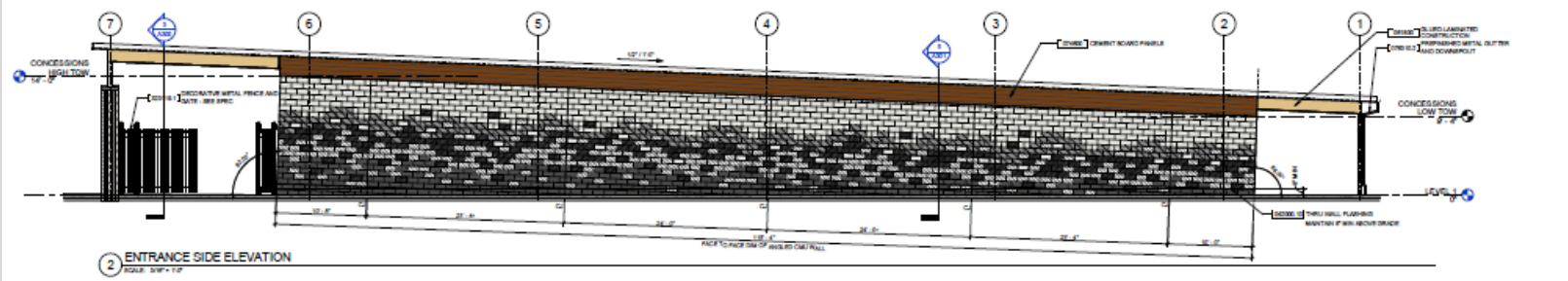
The buildings will be designed with similar building materials and roof forms as the shelter at Waterworks Park.

Field lighting will be high cutoff LED fixtures concentrated on the fields to minimize light spillover into neighboring properties.

Musco's lighting analysis demonstrates that lighting will be highly concentrated on the fields and not spill over into the neighboring properties.

Staff recommends approval of the site plan amendment.





Grimes Plex Building & Site Plan Comments

Cover sheet

1. Address should be NE Heritage not NW.

C2.1

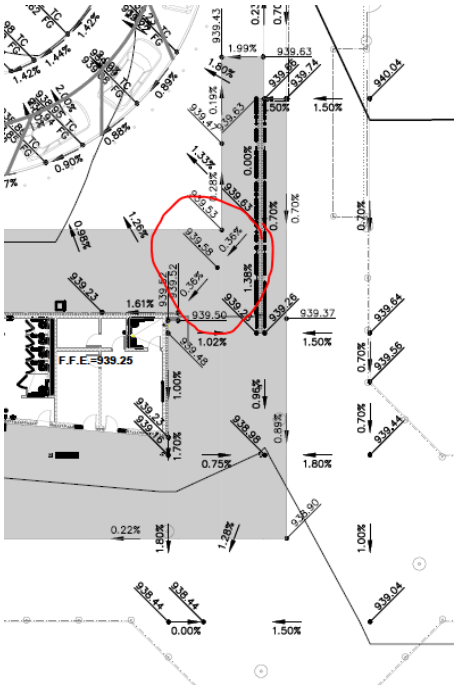
1. Add more plantings around the transformer. The spacing is large between the plants.

C2.2

1. Please ensure the sign is at least 5’ from the water main. Please label distance on the plans.

C3.1

1. It looks like the paving is graded toward the north concession building. Should this be revised?



C3.2

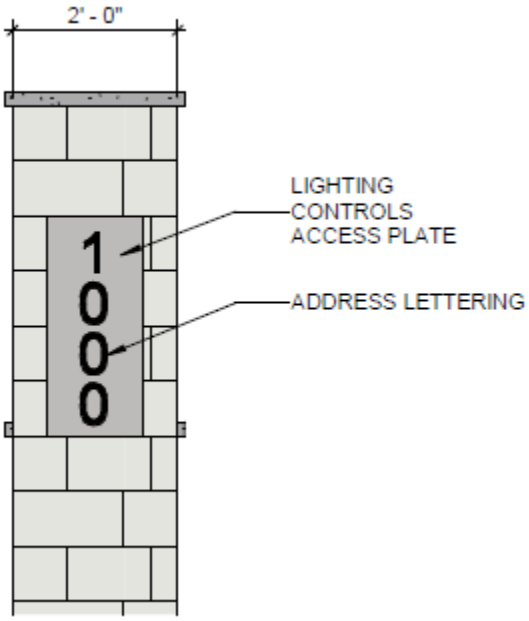
1. Label grades inside the dumpster enclosures.

A100N & A101

1. What will the roof venting look like and the dimensions of the structures?

A104

1. How will the access plate be installed? Will the panel be inset into the brick or attached over the brick to hide the controls? The panel needs to be finished and cannot look like an access. No exposed sign cabinetry or electrical equipment or switches shall be visible from the right-of-way.



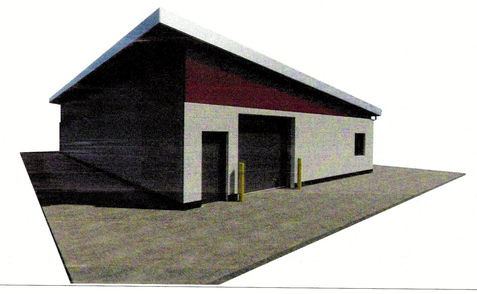
A200

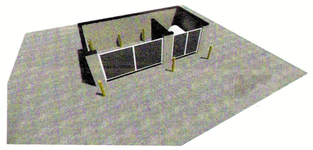
1. Where will the short fence with the vision fabric be located? The location is not shown on the site plan. Provide details for the fabric and fence height.

1. The CMU legend says “SEE SECTION 04 20 00 FOR FINISHES” but there are no details in the plans. Please provide.

A201

1. Label roof venting locations.





GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

GRIMES PARKS AND RECREATION
410 SE MAIN ST.
GRIMES, IOWA 50111

CONSTRUCTION DOCUMENTS
04/25/2023

ARCHITECT & INTERIOR DESIGNER
SVPA ARCHITECTS INC
1466 28TH ST, STE 200
WEST DES MOINES, IA 50266
(515) 327-5990

CIVIL CONSULTANT
CIVIL DESIGN ADVANTAGE
4121 URBANDALE DR.
URBANDALE, IA 50322
(515) 369-4400

STRUCTURAL CONSULTANT
IMEG
2882 106TH ST
URBANDALE, IA 50322
(515) 334-9906

M/E/P/T CONSULTANT
IMEG
2882 106TH ST
URBANDALE, IA 50322
(515) 334-9906

GENERAL

G001 COVER SHEET
G002 CODE REVIEW
G003 GENERAL INFORMATION

CIVIL

C1.1 SITE REFERENCE PLAN
C2.1 SITE DIMENSION, LANDSCAPE AND UTILITY PLAN
C2.2 SITE DIMENSION, LANDSCAPE AND UTILITY PLAN
C3.1 SITE GRADING PLAN
C3.2 SITE GRADING PLAN
C3.3 SITE GRADING PLAN
C4.1 SITE DETAILS
C4.2 SITE DETAILS

STRUCTURAL

S000 GENERAL NOTES
S001 TESTING, INSPECTIONS AND ABBREVIATIONS
S100 CONCESSIONS BUILDINGS PLANS
S101 MAINTENANCE BUILDING PLANS
S200 FOUNDATION DETAILS
S300 STRUCTURAL DETAILS

ARCHITECTURAL

A001 WALL TYPES
A100N NORTH CONCESSION BUILDING PLANS
A100S SOUTH CONCESSION BUILDING PLANS
A101 MAINTENANCE BUILDING PLANS
A104 TRASH ENCLOSURE & MONUMENT SIGN
A200 CONCESSION BUILDINGS - EXTERIOR ELEVATIONS
A201 MAINTENANCE BUILDING EXTERIOR ELEVATIONS
A300 BUILDING SECTIONS
A301 CONCESSION - WALL SECTIONS
A302 MAINTENANCE - WALL SECTIONS
A400 INTERIOR ELEVATIONS & ENLARGED FLOOR PLANS
A401 MILLWORK DETAILS
A500 SECTION DETAILS
A501 SECTION DETAILS
A510 PLAN DETAILS
A601 DOOR & WINDOW SCHEDULE AND TYPES
A800 FLOOR FINISH PLAN

PLUMBING

P000 PLUMBING COVERSHEET
P100N NORTH CONCESSIONS BUILDING PLANS - PLUMBING
P100S SOUTH CONCESSIONS BUILDING PLANS - PLUMBING
P101 MAINTENANCE BUILDING PLANS - PLUMBING
P400 PLUMBING DETAILS
P600 PLUMBING SCHEDULES

MECHANICAL

M000 VENTILATION COVERSHEET
M100N NORTH CONCESSIONS BUILDING PLANS - VENTILATION
M100S SOUTH CONCESSIONS BUILDING PLANS - VENTILATION
M101 MAINTENANCE BUILDING PLANS - VENTILATION
M400 VENTILATION DETAILS
M600 VENTILATION SCHEDULES

ELECTRICAL

E000 ELECTRICAL COVERSHEET
E001 SITE PLAN - ELECTRICAL
E100N NORTH CONCESSIONS BUILDING PLANS - ELECTRICAL
E100S SOUTH CONCESSIONS BUILDING PLANS - ELECTRICAL
E101 MAINTENANCE BUILDING PLANS- ELECTRICAL
E400 ELECTRICAL DETAILS
E500 ELECTRICAL DIAGRAMS
E600 ELECTRICAL SCHEDULES
E601 ELECTRICAL SCHEDULES
E700 ELECTRICAL PANEL SCHEDULES

TECHNOLOGY

T000 TECHNOLOGY COVERSHEET
T100N NORTH CONCESSIONS BUILDING PLANS - TECHNOLOGY
T100S SOUTH CONCESSIONS BUILDING PLANS - TECHNOLOGY
T101 MAINTENANCE BUILDING PLANS - TECHNOLOGY
T200 TECHNOLOGY DETAILS
T201 TECHNOLOGY DETAILS
T202 TECHNOLOGY DETAILS
T300 TECHNOLOGY SCHEDULES

LICENSED PROFESSIONAL ENGINEER — DANIELLE J. BARTLETT — P25751 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
Digitally signed by Danielle Bartlett Date: 2023.05.15 15:54:53-05'00'
DANIELLE J. BARTLETT — DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2024
PAGES OR SHEETS COVERED BY THIS SEAL: S-SERIES

LICENSED PROFESSIONAL ENGINEER — KRISTEN L. SPINA — P21081 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
Digitally signed by Kristen Spina Date: 2023.05.15 15:32:16-05'00'
KRISTEN L. SPINA — DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2023
PAGES OR SHEETS COVERED BY THIS SEAL: E-SERIES, T-SERIES

LICENSED PROFESSIONAL ENGINEER — JOSHUA A. TRYGSTAD — 19228 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
Digitally signed by Joshua Trygstad Date: 2023.05.15 16:52:23-05'00'
JOSHUA A. TRYGSTAD, P.E. — DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2024
PAGES OR SHEETS COVERED BY THIS SEAL: C-SERIES

LICENSED PROFESSIONAL ENGINEER — DAVID C. INGHRAM — P12567 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
Digitally signed by David C. Inghram, PE, LEED AP Date: 2023.05.15 16:01:01-05'00'
DAVID C. INGHRAM — DATE
MY LICENSE EXPIRATION DATE IS: 12/31/2024
PAGES OR SHEETS COVERED BY THIS SEAL: P-SERIES, M-SERIES

LICENSED PROFESSIONAL ARCHITECT — RONALD E. PASKACH — NO. 5705 — IOWA

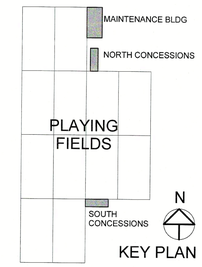
I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.
RONALD E. PASKACH — (DATE)
LICENSE NO. 5705
LICENSE RENEWAL DATE: 07/01/2023
PAGES OR SHEETS COVERED BY THIS SEAL:
G-SERIES
A-SERIES
ISSUE DATE: 00/00/0000

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.3275990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE



KEY PLAN

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

COVER SHEET

G001

4/25/2023 1:33:05 PM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

CODE SHEET SYMBOLS

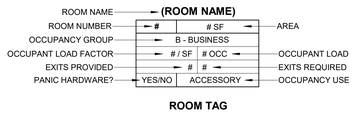
EXIT

K — KNOX BOX LOCATION
72" AFF, VERIFY HEIGHT

FEC — FIRE EXTINGUISHER CABINET

EMERGENCY LIGHT

EXIT SIGN



ROOM TAG

PROJECT AND CODE SUMMARY

FACILITY NAME:
ADDRESS: 7054 NW 114TH ST GRIMES, IA 50111

PROJECT DESCRIPTION:
THIS PROJECT IS NEW/EXISTING CONSTRUCTION. THE PROJECT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING, AND AS SHOWN/DESCRIBED THROUGHOUT THE CONTRACT DOCUMENTS:

TWO CONCESSION / RESTROOM BUILDINGS AND A MAINTENANCE BUILDING. EACH OF THE RESTROOM/CONCESSION BUILDINGS WILL BE APPROXIMATELY 2,750 S.F.

THE BUILDINGS WILL INCLUDE WOMEN'S AND MEN'S PUBLIC RESTROOMS, JANITORIAL SPACE, CONTROL ROOM, OFFICE, MEETING ROOMS, PRIVATE INDIVIDUAL RESTROOMS, CONCESSIONS AREA WITH STORAGE ROOM AND A WALK-IN COOLER.

THE MAINTENANCE BUILDING HAS BEEN ESTIMATED AT APPROXIMATELY 3,000 S.F. AND WILL INCLUDE A RESTROOM. THE REMAINING SPACE WILL BE USED AS COLD STORAGE.

OTHER SITE AMENITIES WILL INCLUDE **TRASH ENCLOSURES AND MONUMENT SIGNAGE**.

OCCUPANCY: A-3, S-1
CONSTRUCTION TYPE: (III-B, NON SPRINKLED)

APPLICABLE CODES
AUTHORITY HAVING JURISDICTION: (CITY OR STATE)
- 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2018 INTERNATIONAL FIRE CODE (IFC)
- 2020 NATIONAL ELECTRICAL CODE (NEC)
- 2018 INTERNATIONAL MECHANICAL CODE (IMC)
- 2018 UNIFORM PLUMBING CODE (UPC)
- 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2018 INTERNATIONAL FUEL GAS CODE
- 2010 ADA STANDARDS, US DEPT OF JUSTICE

- FROST DEPTH: 42 INCHES
- GROUND SNOW LOAD: 30 PSF
- WIND SPEED: 90 MPH BASED ON BUILDING RISK CATEGORY
- SEISMIC ZONE: A

CODE REVIEW - CONCESSIONS BUILDINGS

OCCUPANCY TYPE (CH 3)

A-3 ASSEMBLY (MOST RESTRICTIVE NON-SEPARATED USE)

BUILDING HEIGHTS & AREAS (CH 5)

TABLE 503
ALLOWABLE HEIGHT: 55' / 2 STORY

AREA ALLOWABLE PER FLOOR = 9,500 SF (TABLE 506.2)

ACTUAL AREA: 2,754 GSF
ACTUAL STORIES = 1
ACTUAL HEIGHT = 17'-8"

TYPES OF CONSTRUCTION (CH 6)

CONTRUCTION TYPE: III-B, NON SPRINKLED

REQUIRED FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME (HRS)	0
BEARING WALLS	
INTERIOR	0
EXTERIOR	0
NON-BEARING WALLS AND PARTITIONS	
EXTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)

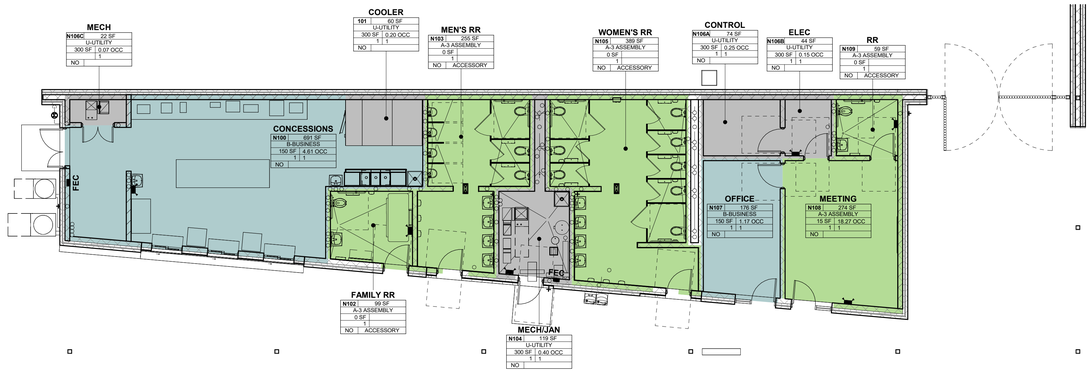
(2) ABC - SIZE II REQUIRED (906.3)

EGRESS (CH 10)

EGRESS COMPONENTS MINIMUM WIDTH = 25 X 0.2 = 5"
DOOR MINIMUM WIDTH = 32" (1009.1)

CALCULATED OCCUPANCY LOAD TOTALS - NORTH CONCESSIONS BLDG

ROOM NAME	ROOM #	OCCUPANCY	AREA	OCCUPANCY LOAD FACTOR	CALCULATED OCCUPANCY LOAD
LEVEL 1					
CONCESSIONS	N100	B-BUSINESS	691 SF	150	4.61
FAMILY RR	N102	A-3 ASSEMBLY	99 SF	0	
MEN'S RR	N103	A-3 ASSEMBLY	255 SF	0	
MECH/JAN	N104	U-UTILITY	119 SF	300	0.40
WOMEN'S RR	N105	A-3 ASSEMBLY	389 SF	0	
CONTROL	N106A	U-UTILITY	74 SF	300	0.25
ELEC	N106B	U-UTILITY	44 SF	300	0.15
MECH	N106C	U-UTILITY	22 SF	300	0.07
OFFICE	N107	B-BUSINESS	176 SF	150	1.17
MEETING	N108	A-3 ASSEMBLY	274 SF	15	18.27
RR	N109	A-3 ASSEMBLY	59 SF	0	
			2202 SF		24.92



1 CODE PLAN - NORTH CONCESSIONS BUILDING
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE REQUIREMENTS (IBC CHAPTER 29 / IPC CHAPTER 4)

TOTALS FOR BOTH CONCESSIONS BUILDINGS	WATER CLOSETS		URINALS	LAVATORIES		DRINKING FOUNTAINS
A-ASSEMBLY OCCUPANCY	MALE	FEMALE		MALE	FEMALE	
TOTAL OCC 1,246 MALE 623 FEMALE 623	(1 PER 75 FOR THE FIRST 1,500 + 1 PER 120 FOR REMAINDER EXCEEDING 1,500)	(1 PER 40 FOR THE FIRST 1,520 + 1 PER 60 FOR THE REMAINDER EXCEEDING 1,520)	2/3 OF REQUIRED WC MAY BE URINALS	1 PER 200	1 PER 150	1:1000
REQUIRED FIXTURES	MALE	FEMALE		MALE	FEMALE	
	9	16	8 (1/2 OF PROVIDED FIXTURES)	4	5	2
PROVIDED FIXTURES	MALE	FEMALE		MALE	FEMALE	
	16	18		10	10	4
PROJECT IN COMPLIANCE						

CODE REVIEW - MAINTENANCE BUILDING

OCCUPANCY TYPE (CH 3)

(TYPE) S-1 STORAGE

BUILDING HEIGHTS & AREAS (CH 5)

TABLE 503
ALLOWABLE HEIGHT: 55' / 2 STORY

AREA ALLOWABLE PER FLOOR = 17,500 SF (TABLE 506.2)

ACTUAL AREA: 3,279 GSF
ACTUAL STORIES = 1
ACTUAL HEIGHT = 17'-5"

TYPES OF CONSTRUCTION (CH 6)

CONTRUCTION TYPE: III-B, NON SPRINKLED

REQUIRED FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (CHAPTER 6)

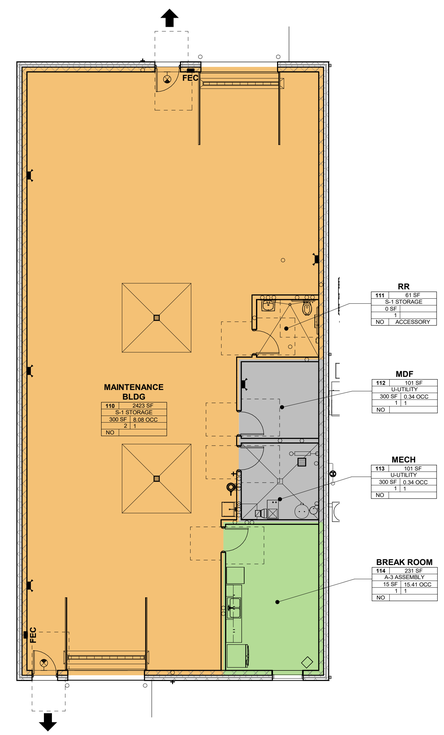
PRIMARY STRUCTURAL FRAME (HRS)	0
BEARING WALLS	
INTERIOR	0
EXTERIOR	0
NON-BEARING WALLS AND PARTITIONS	
EXTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)

(2) ABC - SIZE II REQUIRED (906.3)

EGRESS (CH 10)

EGRESS COMPONENT MINIMUM WIDTH = 30 X 0.2 = 6"
DOOR MINIMUM WIDTH = 32" (1009.1)



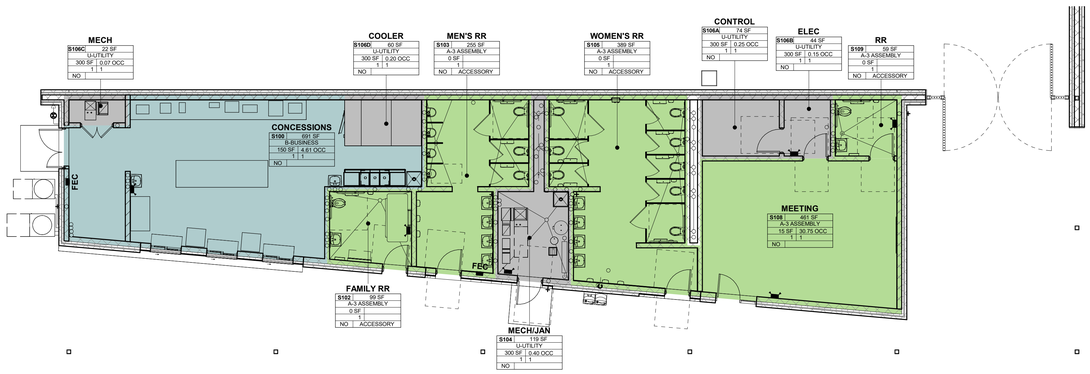
3 CODE PLAN - MAINTENANCE BUILDING
SCALE: 1/8" = 1'-0"

CALCULATED OCCUPANCY LOAD TOTALS - MAINTENANCE BLDG

ROOM NAME	ROOM #	OCCUPANCY	AREA	OCCUPANCY LOAD FACTOR	CALCULATED OCCUPANCY LOAD
LEVEL 1					
MAINTENANCE BLDG	110	S-1 STORAGE	2423 SF	300	8.08
RR	111	S-1 STORAGE	61 SF	0	
MDF	112	U-UTILITY	101 SF	300	0.34
MECH	113	U-UTILITY	101 SF	300	0.34
BREAK ROOM	114	A-3 ASSEMBLY	231 SF	15	15.41
			2917 SF		24.16

PLUMBING FIXTURE REQUIREMENTS (IBC CHAPTER 29 / IPC CHAPTER 4)

MAINTENANCE BUILDING	WATER CLOSETS		URINALS	LAVATORIES		DRINKING FOUNTAINS
S-1 STORAGE OCCUPANCY	MALE	FEMALE		MALE	FEMALE	
TOTAL OCC 25 MALE 13 FEMALE 13	(1 PER 100)	(1 PER 100)		1 PER 100	1 PER 100	1:1000
REQUIRED FIXTURES	MALE	FEMALE		MALE	FEMALE	
	1	1	N/A	1	1	1
PROVIDED FIXTURES	MALE	FEMALE		MALE	FEMALE	
	1 UNISEX		0	1 UNISEX		1
PROJECT IN COMPLIANCE						



2 CODE PLAN - SOUTH CONCESSIONS BUILDING
SCALE: 1/8" = 1'-0"

CALCULATED OCCUPANCY LOAD TOTALS - SOUTH CONCESSIONS BLDG

ROOM NAME	ROOM #	OCCUPANCY	AREA	OCCUPANCY LOAD FACTOR	CALCULATED OCCUPANCY LOAD
LEVEL 1					
CONCESSIONS	S100	B-BUSINESS	691 SF	150	4.61
FAMILY RR	S102	A-3 ASSEMBLY	99 SF	0	
MEN'S RR	S103	A-3 ASSEMBLY	255 SF	0	
MECH/JAN	S104	U-UTILITY	119 SF	300	0.40
WOMEN'S RR	S105	A-3 ASSEMBLY	389 SF	0	
CONTROL	S106A	U-UTILITY	74 SF	300	0.25
ELEC	S106B	U-UTILITY	44 SF	300	0.15
MECH	S106C	U-UTILITY	22 SF	300	0.07
COOLER	S106D	U-UTILITY	60 SF	300	0.20
MEETING	S108	A-3 ASSEMBLY	461 SF	15	30.75
RR	S109	A-3 ASSEMBLY	59 SF	0	
			2273 SF		36.42

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
CITY OF GRIMES
IMEG
CIVIL DESIGN ADVANTAGE

GRIMESPLEX
1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

CODE REVIEW

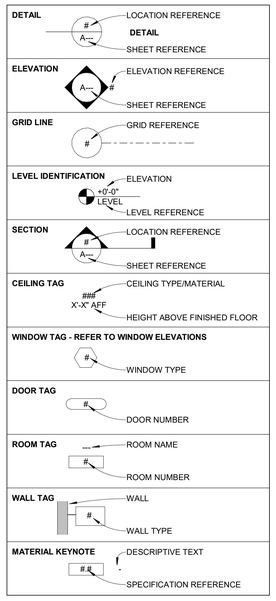
G002

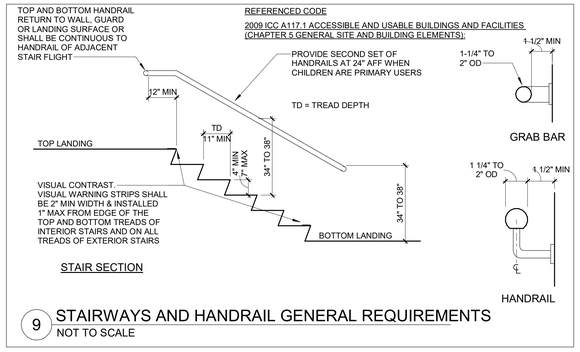
4/26/2023 9:54:35 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

ABBREVIATIONS

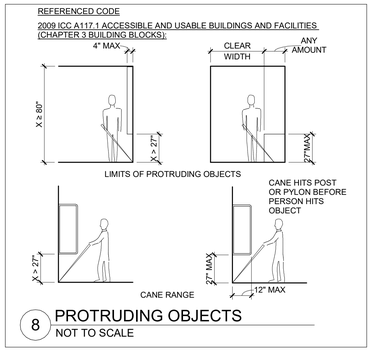
@	AT
&	AND
"	INCH
'	FOOT
#	NUMBER OR POUND
ABV	ABOVE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADMIN	ADMINISTRATION, ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT, ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUTO	AUTOMATIC
AVG	AVERAGE
BO	BOTTOM OF
BLDG	BUILDING
BLKG	BLOCKING
BP	BEARING PLATE
BRG	BEARING
C/C	CENTER TO CENTER
CCTV	CLOSED CIRCUIT TV
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLEAR	CLEARANCE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTOP	COUNTERTOP
DBL	DOUBLE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
E/E	END TO END
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/F	FACE TO FACE
FBO	FURNITURE BY OWNER/OTHER
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FIXTURES, FURNISHINGS & EQUIPMENT
FO	FACE OF
FNDN	FOUNDATION
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
FV	FIELD VERIFY
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GWB	GYPSUM WALL BOARD
GB	GYPSUM BOARD
HB	HOSE BIB
HCP	HANDICAP
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HWD	HARDWOOD
IN	INCH
INSUL	INSULATION
INT	INTERIOR
IJ	ISOLATION JOINT
JAN	JANITOR
KO	KNOCKOUT
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS (WEIGHT)
LF	LINEAR FOOT/FEET
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MFR	MANUFACTURER
MIR	MIRROR
MISC	MISCELLANEOUS
MKBD	MARKERBOARD
MO	MASONRY OPENING
MTL	METAL
MATL	MATERIAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OVERFLOW DRAIN
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE, OPPOSITE HAND
PLAM	PLASTIC LAMINATE
PLY	PLYWOOD
PNT	PAINT, PAINTED, POINT
PREFAB	PREFABRICATE, PREFABRICATED
PT	PORCELAIN TILE
PNT	PAINT
QT	QUARRY TILE
QTY	QUANTITY
QTZ	QUARTZ
RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REF	REFRIGERATOR
REINF	REINFORCE, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
RF	RESILIENT FLOORING
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSF	RESILIENT SHEET FLOORING
SC	SEALED CONCRETE
SCH	SCHEDULE
SF	SQUARE FOOT
SHWR	SHOWER
SIM	SIMILAR
SPKR	SPEAKER
SB	SPLASH BLOCK
SQ	SQUARE
SS	SOLID SURFACE
SSTL	STAINLESS STEEL
ST	STONE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
SV	SHEET VINYL
T	THERMOSTAT
TO	TOP OF
T&G	TONGUE & GROOVE
TEMP	TEMPORARY
TRZ	TERRAZZO
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VWC	VINYL WALLCOVERING
W/	WITH
W/O	WITHOUT
WAF	WOOD ATHLETIC FLOORING
WB	WOOD BASE
WC	WATERCLOSET
WD	WOOD
W/D	WASHER/DRYER
WH	WATER HEATER
WOC	WALK OFF CARPET
WVW	WOOD VENEER WALLCOVERING
WWF	WELDED WIRE FABRIC
YD	YARD
YR	YEAR

DRAWING SYMBOLS

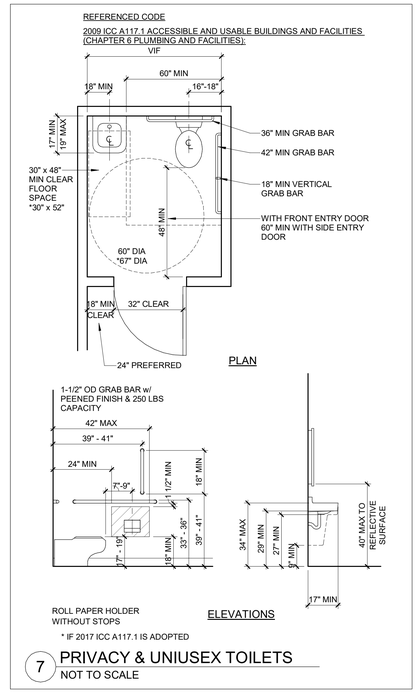




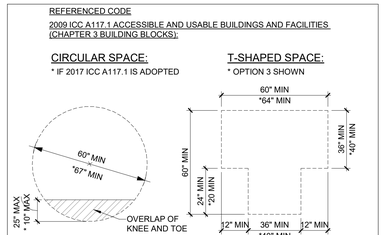
9 STAIRWAYS AND HANDRAIL GENERAL REQUIREMENTS
NOT TO SCALE



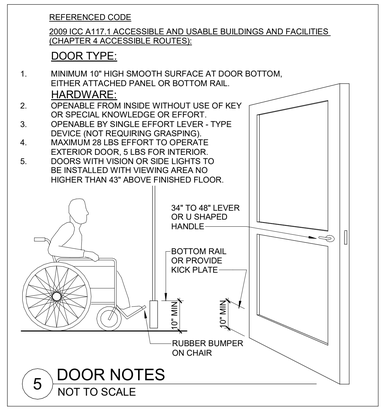
8 PROTRUDING OBJECTS
NOT TO SCALE



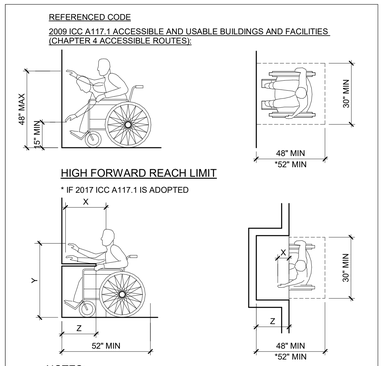
7 PRIVACY & UNIUSEX TOILETS
NOT TO SCALE



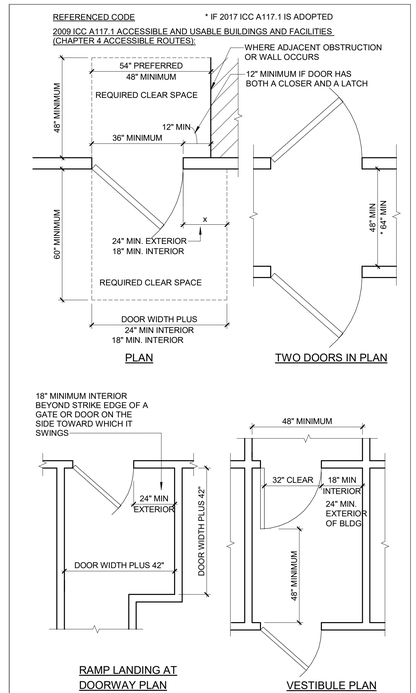
6 TURNING SPACES
NOT TO SCALE



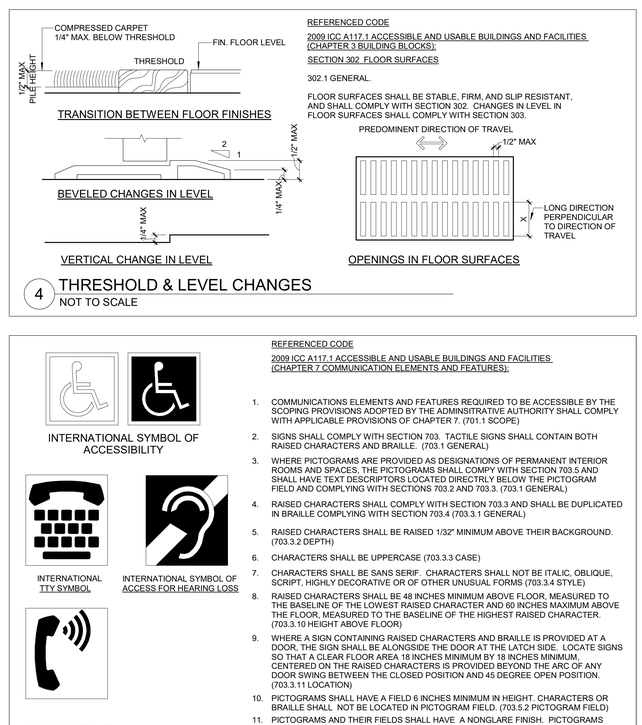
5 DOOR NOTES
NOT TO SCALE



3 REACH REQUIREMENTS
NOT TO SCALE



2 DOOR CLEAR SPACE
NOT TO SCALE



4 THRESHOLD & LEVEL CHANGES
NOT TO SCALE

1 SIGNS & PICTOGRAMS
NOT TO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

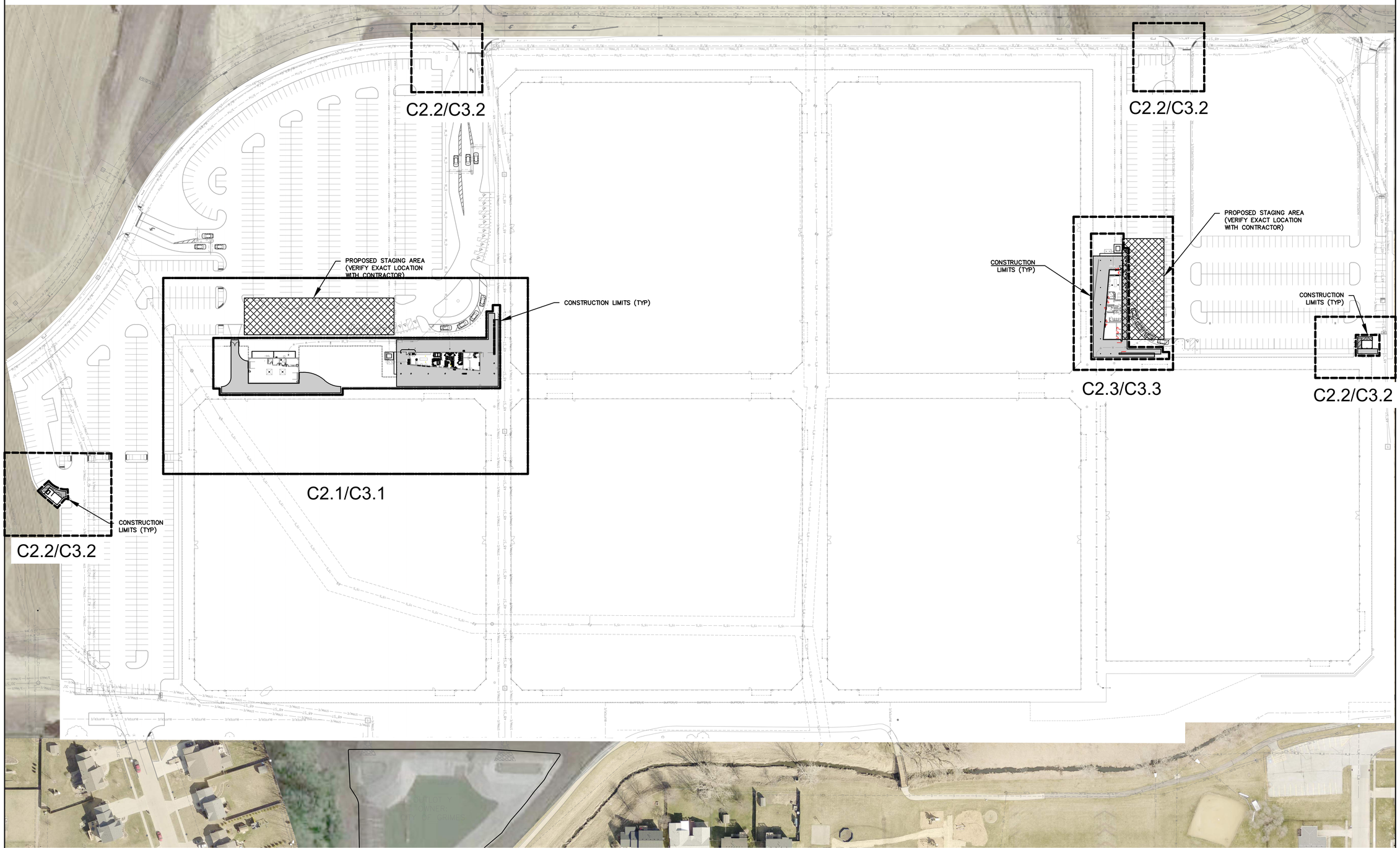
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

GENERAL INFORMATION

G003

4/26/2023 8:13:37 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



GENERAL LEGEND

PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING
PROPERTY BOUNDARY	SANITARY MANHOLE	TYPE SW-402 STORM MANHOLE	ELECTRIC BOX	SILT FENCE	UNDERGROUND ELECTRIC
SECTION LINE	WATER VALVE BOX	FLARED END SECTION	ELECTRIC TRANSFORMER	USE AS CONSTRUCTED (UAC)	FIELD TILE
CENTER LINE	FIRE HYDRANT	TYPE SW-301 SANITARY MANHOLE	ELECTRIC MANHOLE OR VAULT	MINIMUM PROTECTION ELEVATION MPE	SANITARY SEWER W/ SIZE
RIGHT OF WAY	WATER CURB STOP	STORM/SANITARY CLEANOUT	TRAFFIC SIGN		STORM SEWER W/ SIZE
BUILDING SETBACK	WELL	WATER VALVE	TELEPHONE JUNCTION BOX		WATER MAIN W/ SIZE
PERMANENT EASEMENT	STORM SEWER MANHOLE	FIRE HYDRANT ASSEMBLY	TELEPHONE MANHOLE/VAULT		
TEMPORARY EASEMENT	STORM SEWER SINGLE INTAKE	SIGN	TELEPHONE POLE		
TYPE SW-501 STORM INTAKE	STORM SEWER DOUBLE INTAKE	DETECTABLE WARNING PANEL	GAS VALVE BOX		
TYPE SW-502 STORM INTAKE	FLARED END SECTION	WATER CURB STOP	CABLE TV JUNCTION BOX		
TYPE SW-503 STORM INTAKE	DECIDUOUS TREE	SANITARY SEWER	CABLE TV MANHOLE/VAULT		
TYPE SW-505 STORM INTAKE	CONIFEROUS TREE	SANITARY SERVICE	MAIL BOX		
TYPE SW-506 STORM INTAKE	DECIDUOUS SHRUB	STORM SEWER	BENCHMARK		
TYPE SW-512 STORM INTAKE	CONIFEROUS SHRUB	STORM SERVICE	SOIL BORING		
TYPE SW-513 STORM INTAKE	ELECTRIC POWER POLE	WATERMAIN WITH SIZE	UNDERGROUND TV CABLE		
TYPE SW-401 STORM MANHOLE	GUY ANCHOR	WATER SERVICE	GAS MAIN		
	STREET LIGHT	SAWCUT (FULL DEPTH)	FIBER OPTIC		
	POWER POLE W/ TRANSFORMER		UNDERGROUND TELEPHONE		
	UTILITY POLE W/ LIGHT		OVERHEAD ELECTRIC		

N

SCALE
0' 30' 60' 120'

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG CA
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

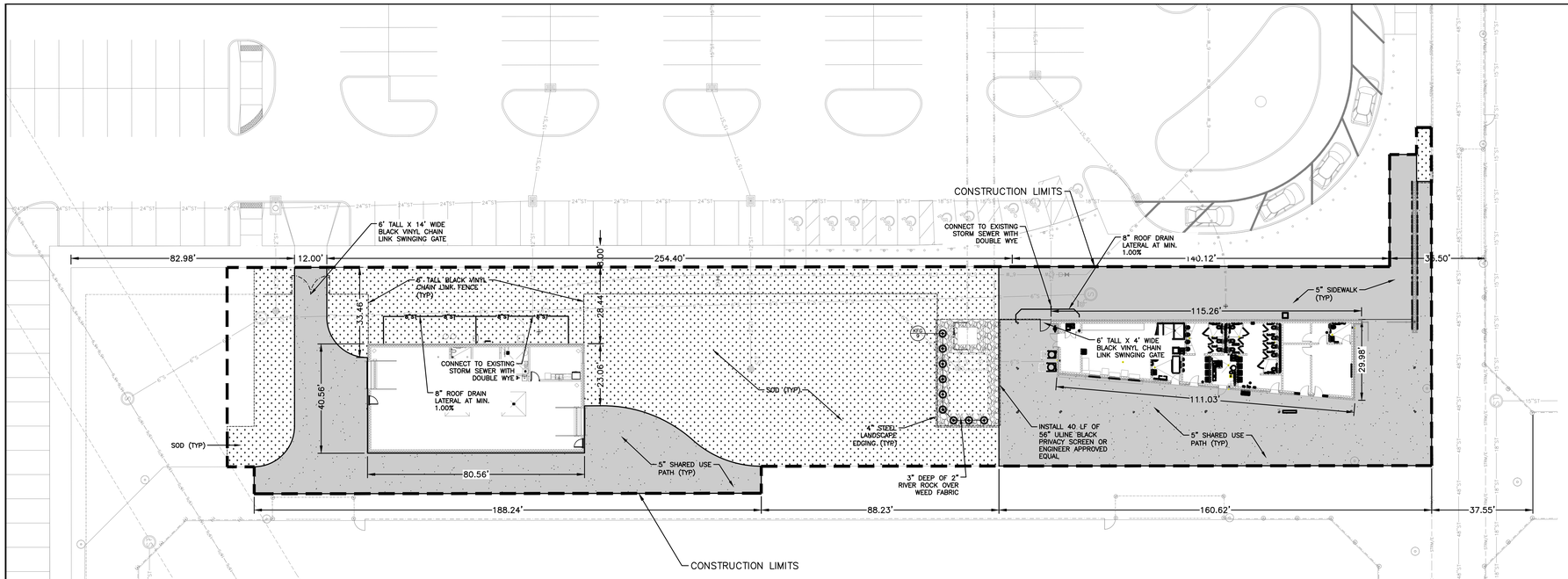
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
2202.086

REFERENCE PLAN

C1.1

FILE: H:\2022\2202086\CAD\SITE PLAN\2202086-SHEET LAYOUT SWPPP.DWG
PLOTTED: 4/26/2023 8:15 AM BY: DOMAIN\
PAGE SETUP: ANSI D
STYLE TABLE: SVPA.CTB



TRAFFIC CONTROL NOTES:

1. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. PERMANENT SIGNING THAT CONVEYS A MESSAGE CONTRARY TO THE MESSAGE OF TEMPORARY SIGNING AND NOT APPLICABLE TO THE WORKING CONDITIONS SHALL BE COVERED BY THE CONTRACTOR WHEN DIRECTED BY THE CITY.
3. THE CONTRACTOR SHALL COORDINATE HIS TRAFFIC CONTROL WITH OTHER CONSTRUCTION PROJECTS IN THE AREA.
4. SIDEWALK CLOSED SIGNS REQUIRED FOR ALL SIDEWALK CLOSURES. SIGNAGE AND TEMPORARY PEDESTRIAN ACCESS ROUTE THROUGH CONSTRUCTION AREA SHALL MEET THE REQUIREMENTS OF PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), SECTION R205 AND IOWA DOT DESIGN MANUAL, CHAPTER 12A-4.
5. THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
6. TRAFFIC CONTROL REQUIRED ON ALL PUBLIC STREETS DURING ANY WORK WITHIN EXISTING RIGHT-OF-WAY. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION.
7. ALL APPLICABLE CITY PERMITS, INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS, SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION WITHIN CITY R.O.W. OR LANE CLOSURES.
8. ALL SIGNING AND LANE STRIPING WILL NEED TO COMPLY WITH MUCTD. MAINTENANCE AND REPLACEMENT OF THE SIGNING AND STRIPING WILL BE THE RESPONSIBILITY OF THE APPLICANT.

LANDSCAPE LEGEND

SOD

SEED

SIGN LEGEND

01 ACCESSIBLE PARKING SIGN (R7-8)

02 VAN ACCESSIBLE PARKING SIGN (R7-8A)

03 STOP SIGN (R1-1)

PAVEMENT LEGEND

4" P.C.C.

5" P.C.C.

5" P.C.C. (SHARED USE PATH PLAZA)

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG CA
CIVIL DESIGN ADVANTAGE

GENERAL NOTES

1. THE 2023 EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL SITE WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.
2. ALL WORK SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
3. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
4. PRIOR TO ANY WORK AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER, ENGINEER, AND/OR ARCHITECT, AND CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANY REPRESENTATIVES. NO COMPENSATION WILL BE ALLOWED FOR DAMAGE FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.
5. ONE WEEK PRIOR TO CONSTRUCTION SHALL NOTIFY THE CITY'S CONSTRUCTION DIVISION.
6. ALL CONSTRUCTION WITHIN PUBLIC R.O.W./ EASEMENTS, AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE CITY OF GRIMES STANDARDS.
7. ALL DIMENSIONS ARE TO BACK OF CURB, BUILDING FACE OR PROPERTY LINE UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
9. PLACE 3/4 INCH EXPANSION JOINT BETWEEN ALL P.C.C. PAVEMENT/SIDEWALKS AND BUILDING. PLACE 1/2 INCH EXPANSION JOINT BETWEEN SIDEWALKS AND P.C.C. PAVEMENT.
10. REMOVE ALL DEBRIS SPILLED INTO R.O.W. AT THE END OF EACH WORK DAY.
11. ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE.
12. DO NOT STORE CONSTRUCTION MATERIALS AND EQUIPMENT IN THE RIGHT OF WAY.
13. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
14. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
15. THE CONTRACTOR SHALL BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK BETWEEN SUPPLIERS AND SUBCONTRACTORS INVOLVED IN THE PROJECT, INCLUDING STAGING OF CONSTRUCTION DETAILS.
16. CONCRETE REMOVAL FOR DRIVEWAY APPROACHES SHALL BE REMOVED TO THE NEAREST TRANSVERSE JOINT. CONTRACTOR SHALL VERIFY REMOVAL LIMITS WITH CITY OF GRIMES CONSTRUCTION INSPECTOR PRIOR TO ANY CONCRETE REMOVAL.
17. ALL PERMITS AND ADDITIONAL FEES REQUIRED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE CONTRACTOR BID.
18. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL NOTIFY (48 HRS NOTICE) THE FOLLOWING:
    A. CITY OF GRIMES
    B. APPROPRIATE UTILITY COMPANIES
    C. CIVIL DESIGN ADVANTAGE
21. PARKING LOT STRIPING SHALL BE A 4" WHITE STRIPE UNLESS OTHERWISE NOTED (MINIMUM TWO COATS).
22. ALL EXTERIOR LIGHTING SHALL BE LOW-GLARE FULL CUTOFF TYPE FIXTURES AND SHALL NOT EXCEED ZERO FOOT-CANDLES BEYOND THE PROPERTY LINE. THE CONTRACTOR SHALL COORDINATE FINAL LIGHTING AND ELECTRICAL DESIGN WITH THE OWNER.
23. ANY SITE CHANGES THAT DIFFER FROM THE SITE PLAN MUST BE APPROVED BY THE CITY OF GRIMES PRIOR TO INSTALLATION/AMENDMENT.
24. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
    THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT 800-292-8989 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
25. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK BETWEEN ALL SUPPLIERS AND SUBCONTRACTORS INVOLVED IN THE PROJECT, INCLUDING STAGING OF CONSTRUCTION DETAILS.
26. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
27. THE CONTRACTOR MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR THE CITY, TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY.
28. SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THE PROFILES SHOWN ON THE PLANS AND THE ELEVATIONS SHOWN ON THE INTERSECTION DETAILS ARE OBTAINED. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS.
29. TO OBTAIN THE CORRECT FORM GRADES AT LOW POINTS WHERE INTAKES ARE LOCATED, THE CONTRACTOR MUST EXERCISE ADDITIONAL CARE WHEN PAVING FULL WIDTH PAVEMENTS. THIS MAY REQUIRE POURING ONE HALF OF THE PAVEMENT AT A TIME OR OTHER METHODS APPROVED BY THE ENGINEER.
30. THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN THE PROPOSED AND EXISTING RIGHT OF WAY, CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS.
31. PLAN AND PROFILE SHEETS INCLUDED IN THE PROJECT ARE FOR THE PURPOSE OF ALIGNMENT, LOCATION AND SPECIFIC DIRECTIONS FOR WORK TO BE PERFORMED UNDER THIS CONTRACT. IRRELEVANT DATA ON THESE SHEETS IS NOT TO BE CONSIDERED A PART OF THIS CONTRACT.
32. THE CONTRACTOR IS REQUIRED TO BE FAMILIAR WITH AND COMPLY WITH OSHA STANDARDS. NOTHING WITHIN THESE PLANS SHALL RELIEVE THE CONTRACTOR OF THIS REQUIREMENT.
33. CIVIL DESIGN ADVANTAGE WILL PROVIDE ALL CONSTRUCTION STAKING ON THIS PROJECT. NOTIFY MIKE BROONER (369-4400) A MINIMUM OF 48 HOURS BEFORE CONSTRUCTION STAKES ARE REQUIRED.
34. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES REQUIRED IN THE STORM WATER POLLUTION PREVENTION PLAN.
35. IN THE EVENT OF A DISCREPANCY BETWEEN DETAILED PLANS AND QUANTITIES, THE DETAILED PLANS SHALL GOVERN.
36. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL.
37. ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
38. ALL FIELD TILES ENCOUNTERED SHALL BE REPAIRED AND CONNECTED TO STORM SEWERS WHERE POSSIBLE. LOCATIONS SHALL BE PROVIDED TO ENGINEER FOR NOTATION ON AS-BUILTS.
39. CONTRACTOR SHALL COMPLY WITH ALL A.D.A. REQUIREMENTS FOR ACCESSIBLE SIDEWALK RAMPS INCLUDING RAISED TRUNCATED DOME DETECTABLE WARNINGS.
40. ALL MATERIAL TESTING SHALL BE CONSIDERED INCIDENTAL TO OTHER CONSTRUCTION.
41. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE CITY'S CURRENT GRIMESPLEX SITE IMPROVEMENTS PROJECT. ANY DAMAGE TO THOSE IMPROVEMENTS CAUSED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS SHALL BE REPLACED. COORDINATION OF ACTIVITIES AND REPLACEMENT OF DAMAGED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL.
42. THE EXISTING SITE WILL BE OPEN TO THE PUBLIC INCLUDING PARKING LOT, ATHLETIC FIELDS SIDEWALKS, TRAILS, ETC. CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AND FENCING TO MAINTAIN A SAFE SITE. ANY TEMPORARY BARRICADES OR FENCING SHALL BE CONSIDERED INCIDENTAL.

CITY OF GRIMES STANDARD NOTES FOR PUBLIC IMPROVEMENTS

1. GENERAL NOTES:

A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT VERSION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS ON THE DATE OF APPROVAL AND THE CITY OF GRIMES SUPPLEMENTAL SPECIFICATIONS.
B. PROVIDE GEOTECHNICAL EXPLORATION AND REPORT FOR ALL PROPOSED STREET, SANITARY AND STORM SEWER AND WATER MAIN PROJECTS IN ACCORDANCE WITH THE SUDAS DESIGN MANUAL; SUBMIT WRITTEN REPORT AND TEST RESULTS TO CITY FOR REVIEW.
C. A PRECONSTRUCTION MEETING IS REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THIS MEETING. CONTACT CITY OF GRIMES ENGINEERING DEPT. (515.986.4050).
D. ALL PERMITS (IDNR, SWPP, IDOT, ARMY CORP., ETC.) SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
E. THE DEVELOPER AND/OR CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE CITY OF GRIMES WITH RECORD DRAWINGS OF ALL IMPROVEMENTS AS PER CITY STANDARD PROCEDURES.
F. TYPICAL BUILDING LAYOUT TO REFLECT THE CITY'S SERVICE ORDER FROM LEFT TO RIGHT FACING THE LOT, SANITARY, WATER, SUMP. MARK ENDS OF SERVICES WITH STEEL FENCE POST AND PAINT GREEN FOR SANITARY, BLUE FOR WATER, AND WHITE FOR STORM.
G. ALL SERVICES LOCATIONS ARE TO BE STAMPED INTO THE CURB WITH LETTER IRONS AS PER CITY STANDARD PROCEDURES.
H. PROVIDE A 4-YEAR MAINTENANCE BOND FOR ALL PUBLIC IMPROVEMENTS.

2. SANITARY SEWER NOTES:

A. THE CONTRACTOR IS REQUIRED TO PLACE A TEMPORARY PLUG IN THE EXISTING DOWNSTREAM SANITARY SEWER MANHOLE PRIOR TO THE START OF CONSTRUCTION. THE PLUG SHALL BE REMOVED FOLLOWING APPROVAL OF CONSTRUCTION BY THE CITY OF GRIMES.
B. SANITARY GRAVITY PIPE MATERIAL SHALL BE PVC SDR 26 OR TRUSS (8" TO 15").
C. SANITARY GRAVITY SERVICE PIPE MATERIAL SHALL BE PVC SDR 23.5 (4"TO 6").
D. ALL SANITARY SEWER MANHOLES SHALL HAVE STEPS.
E. ALL SANITARY SEWER MANHOLES CASTINGS SHALL BE SEALED WITH HEAT SHRINK SLEEVES.
F. ALL MANHOLES SHALL BE EXTERIOR COATED WITH BITUMINOUS WATERPROOFING.
G. ALL SANITARY SEWER MANHOLE CASTINGS LOCATED WITHIN PAVEMENT SHALL BE TYPE B: PCC W/ADJUSTING MECHANISM.
H. SANITARY SEWER CLEANING & TELEVISING SHALL BE COMPLETED PRIOR TO PAVING. THE SEWER SYSTEM SHALL BE FLUSHED WITH WATER PRIOR TO TELEVISING.

3. WATER MAIN NOTES:

A. ALL FIRE HYDRANTS SHALL BE AMERICAN FLOW CONTROL-WATEROUS PACER WB-67-250, MUELLER SUPER CENTURION 250 (3-WAY A-423), OR CLOW MEDALLION F-2545. ALL HYDRANTS SHALL HAVE THE FOLLOWING: 6"MJ SHOE, 2-1/2"HOSE NOZZLE, 4-1/2"STEAMER NOZZLE, NST THREADS, PENTAGON OPERATING NUT, CHAIN ON CAP, OPEN LEFT, 5-1/2' BURY, AND FACTORY PAINTED RED. THE MINIMUM SPOOL PIPE LENGTH FROM AUXILIARY VALVE TO HYDRANT SHOE SHALL BE 2.0'.
B. ALL HYDRANTS WILL IMMEDIATELY BE COVERED WITH A BLACK PLASTIC BAG (OR EQUIVALENT) ONCE THE HYDRANT IS INSTALLED. THE CITY OF GRIMES WILL NOTIFY THE CONTRACTOR WHEN THE BAGS CAN BE REMOVED.
C. A TRACER WIRE RECEPTACLE SHALL BE INSTALLED AT EACH HYDRANT, AA MANUFACTURING TRACER WIRE RECEPTACLE MODEL TW-18-2.
D. ALL VALVES SHALL BE RESILIENT WEDGE GATE VALVES.
E. WATER SERVICE SHALL BE 1-INCH MINIMUM TYPE K COPPER. CURB STOP TO BE LOCATED AT ROW LINE.
F. PROPOSED WATER MAIN SHALL BE PRESSURE TESTED AND CHLORINATED BY THE DEVELOPER. THE FILLING OF THE WATER MAIN SHALL BE DONE BY THE CITY OF GRIMES. THE BACTERIA TEST AND WATER SAMPLES SHALL BE TAKEN BY THE DEVELOPER AND RESULTS PROVIDED TO THE CITY OF GRIMES ENGINEERING DEPT. AND BY FAX TO US WATER AT 515-986-7300. IF THE TEST DOES NOT PASS, THE CONTRACTOR WILL BE REQUIRED TO PAY FOR ALL THE WATER USED TO REPEAT THE TEST.
G. ALL WATERMAIN FITTINGS TO BE RESTRAINED JOINT, MEGA-LUG OR APPROVED EQUAL.

4. STORM SEWER NOTES:

A. ALL STORM SEWER IN THE ROW SHALL BE RCP, UNLESS OTHERWISE APPROVED BY THE CITY.
B. ALL FLARED END SECTIONS SHALL HAVE FOOTINGS AND APRON GRATES. THE LAST 3 PIPE SECTIONS AND THE FLARED END SECTION ON ALL CULVERTS SHALL BE TIED. ALL STORM SEWER JOINTS SHALL BE WRAPPED WITH ENGINEERING FABRIC.
C. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY FIELD TILE DAMAGED DURING CONSTRUCTION. THE TILE SHOULD BE DIRECTED TO PUBLIC STORM SEWER IF POSSIBLE. THE CONTRACTOR SHALL RECORD THE ELEVATION AND LOCATION OF ALL TILES.
D. STORM SEWER CLEANING & TELEVISING SHALL BE COMPLETED PRIOR TO PAVING. THE SEWER SYSTEM SHALL BE FLUSHED WITH WATER PRIOR TO TELEVISING.
E. USE O RING GASKETS ON STORM SEWERS CROSSING OVER WATERMAIN PER IDNR REQUIREMENT.

5. SIGNAGE NOTES:

A. ALL SIGNAGE SHALL BE SUPPLIED AND INSTALLED BY THE CITY OF GRIMES. THE CITY WILL BILL THE DEVELOPER FOR THE COSTS ASSOCIATED WITH THE SIGNAGE.
B. THE HEIGHT OF SIGNS SHALL BE 7-FEET FROM THE BASE OF THE SIGN TO THE GROUND.
C. ALL SIGNS SHALL BE NOT LESS THAN 1.5' FROM EDGE OF SIGN TO BACK OF CURB.
D. STOP SIGNS SHALL BE AS PER MUTCD R1-1 TYPE, 30"X30".
E. NO PARKING SIGNS SHALL BE AS PER MUTCD R8-3 TYPE, 12"X12". IF POSSIBLE, PLEASE MOUNT THE NO PARKING SIGNS TO LIGHT POLES (1ST/ PREFERENCE).
F. ALL SPEED LIMIT SIGNS SHALL BE AS PER MUTCD R2-1 (25 MPH), 24"X30".
G. ALL STREET NAME SIGNS SHALL BE WHITE ON BLACK ON A 6"BLANK WITH 4"LETTERS (LOCALCS) OR 8"BLANK WITH 6"LETTERS (COLLECTORS/ARTERIALS) AND SHALL BE DIRECTLY FASTENED TO SQUARE TUBE POSTS. EACH SIGN POST SHALL HAVE FOUR (4) STREET SIGNS THAT SHALL BE CONNECTED TO POST BY RIVETING THE SIGNS BACK TO BACK ON OPPOSITE SIDES OF THE SQUARE TUBE POST. THE BACK TO BACK ENDS OF STREET NAME SIGNS SHALL BE CONNECTED WITH CIRCULAR STABILIZERS.
H. ALL SIGN POSTS SHALL BE TELESPAR 2"X2" SQUARE TUBE POWDER COATED BLACK GALVANIZED STEEL (14-GAUGE MIN.) WITH 7/16"KNOCK-OUT STYLE PERFORATIONS THAT ARE PRE-PUNCHED.
I. ROAD CLOSED SIGNS SHALL BE AS PER IDOT ROAD STANDARD SI-182.
J. ALL SIGNS SHALL BE HIGH INTENSITY PRISMATIC.

UTILITY NOTES

1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR UTILITY SERVICE SIZES AND EXACT LOCATIONS. REFER TO ELECTRICAL PLANS FOR ELECTRIC AND TELEPHONE SERVICE CONSTRUCTION DETAILS. REFER TO MECHANICAL PLANS FOR GAS SERVICE CONSTRUCTION DETAILS.
2. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.
4. BACKFILL ALL UTILITY TRENCHES ACCORDING TO THE 2020 EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY OF GRIMES SUPPLEMENTALS. MAINTAIN A MINIMUM OF 5.5' COVER OVER ALL WATERMAINS.
5. ALL UTILITIES SHALL BE STUBBED TO 5 FEET FROM BUILDINGS. REFER TO MEP PLANS FOR DESIGN FROM 5' OUTSIDE OF BUILDING FACE.
6. ADJUST ALL MANHOLES AND INTAKES TO FINISHED GRADES.
7. ALL SANITARY SEWER AND WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY'S PLUMBING CODE.
8. 18" MINIMUM VERTICAL CLEARANCE BETWEEN STORM SEWER AND SANITARY SEWER PIPES. 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN.
9. MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER MAINS.
10. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT 800-292-8989 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
11. ALL WATERMAIN WORK, PUBLIC OR PRIVATE SHALL BE DONE IN ACCORDANCE WITH THE 2020 EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS.
12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED IN THE PROJECT.
13. OWNER IS RESPONSIBLE FOR MAINTENANCE OF PRIVATE RETENTION FACILITIES AND PRIVATE UTILITIES. PERIODIC MAINTENANCE AND CLEANING OF STORM AND SANITARY SEWER MAY BE NECESSARY.
14. CONTRACTOR SHALL PREVENT ENTRY OF MUD, DIRT, DEBRIS AND OTHER MATERIAL INTO NEW AND EXISTING SANITARY SEWER SYSTEMS. SHOULD ANY CONTAMINATION OCCUR DURING CONSTRUCTION, THE CONTRACTOR SHALL CLEAN AT NO COST TO THE OWNER. INSTALL SILT FENCE AT ALL PERMANENT STORM SEWER INLETS.
15. ALL MANHOLE CASTINGS IN 5" P.C.C. PAVEMENT SHALL BE BOXED OUT PER FIGURE 7010.103.

PAVEMENT NOTES

1. ALL PAVEMENT WORK, PUBLIC OR PRIVATE SHALL BE DONE IN ACCORDANCE WITH SUDAS STANDARDS SPECIFICATIONS.
2. SIDEWALKS, DRIVEWAYS, DRIVE LANES WITHIN PARKING AND PARKING SPACES SHALL BE CLASS C PORTLAND CEMENT CONCRETE (P.C.C.) COARSE AGGREGATE FOR P.C.C. CONSTRUCTION SHALL BE CLASS 3 DURABILITY.
3. PLACE 3/4 INCH EXPANSION JOINT BETWEEN ALL P.C.C. PAVEMENT/SIDEWALKS AND BUILDING. PLACE 1/2 INCH EXPANSION JOINT BETWEEN SIDEWALKS AND P.C.C. PAVEMENT.
4. PAVEMENT THICKNESS:

SIDEWALKS	5" P.C.C.
SHARED USE PATH	5" P.C.C.
STANDARD DUTY PAVING	6" P.C.C.

LANDSCAPE NOTES

1. LOCATE ALL UTILITIES BEFORE ANY PLANTING BEGINS.
2. TYPE, SIZE, AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1
3. ALL PLANT MATERIAL SHALL BE HEALTHY SPECIMENS WITHOUT DEFORMITIES, VOIDS AND OPEN SPACES, WITH WELL DEVELOPED BRANCH AND ROOT SYSTEMS; TRUE TO HEIGHT, SHAPE AND CHARACTER OF GROWTH OF THE SPECIES OR VARIETY.
4. SEED OR SOD ALL DISTURBED AREAS AS DIRECTED BY OWNER. SEED SHALL BE SUPER TURF II LS FROM UNITED SEEDS.
5. BACKFILL TO TOP OF CURB. (MINUS 1 1/2" FOR SOD, IF REQ.)
6. WEED PREVENTER (PRE-EMERGENT) SHALL BE SPREAD OVER SOIL AFTER PLANTING AND BEFORE MULCHING IN ALL PLANTING BEDS PER MANUFACTURER'S RECOMMENDATIONS.
7. SHREDDED HARDWOOD MULCH SHALL BE PLACED AROUND ALL TREES, SHRUBS AND IN ALL PLANTING BEDS TO A MINIMUM DEPTH OF 3". ALL GROUPS OF MORE THAN ONE SHRUB SHALL BE MULCHED IN A CONTINUOUS BED, SEPARATED FROM TURF BY A 3" SPADE-CUT EDGE. MULCH AROUND ALL CONIFEROUS TREES SHALL BE A 10' DIAMETER CIRCLE. ALL EDGING SHALL BE METAL EDGE.
8. PLANT QUANTITIES ARE SHOWN FOR INFORMATION ONLY, THE DRAWING SHALL PREVAIL IF ANY CONFLICTS ARISE.
9. ALL DEBRIS SPILLED IN THE PUBLIC R.O.W. SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.
10. CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

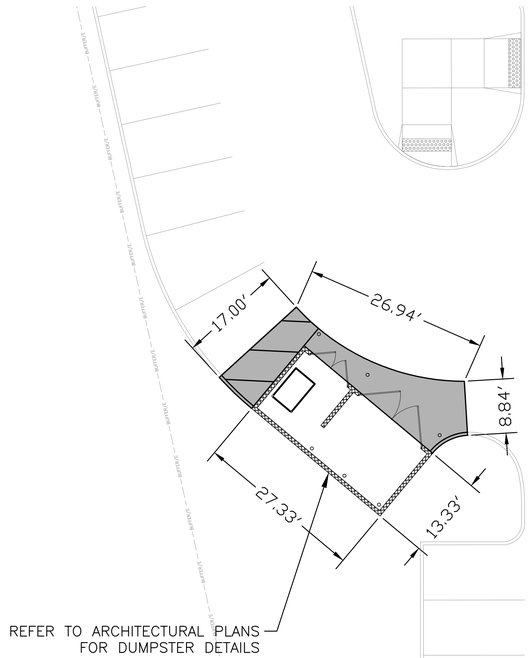
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED
© 2021

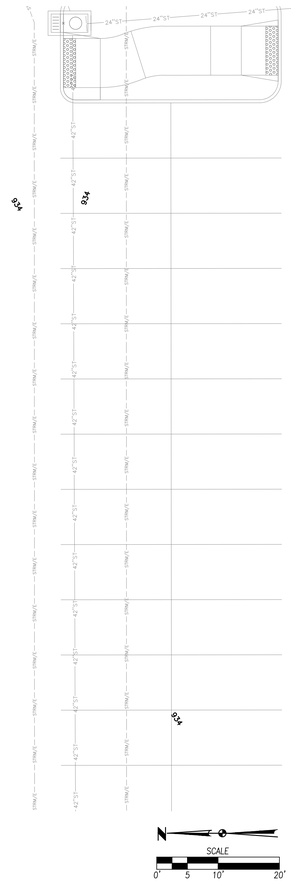
PROJECT NUMBER
2202.086

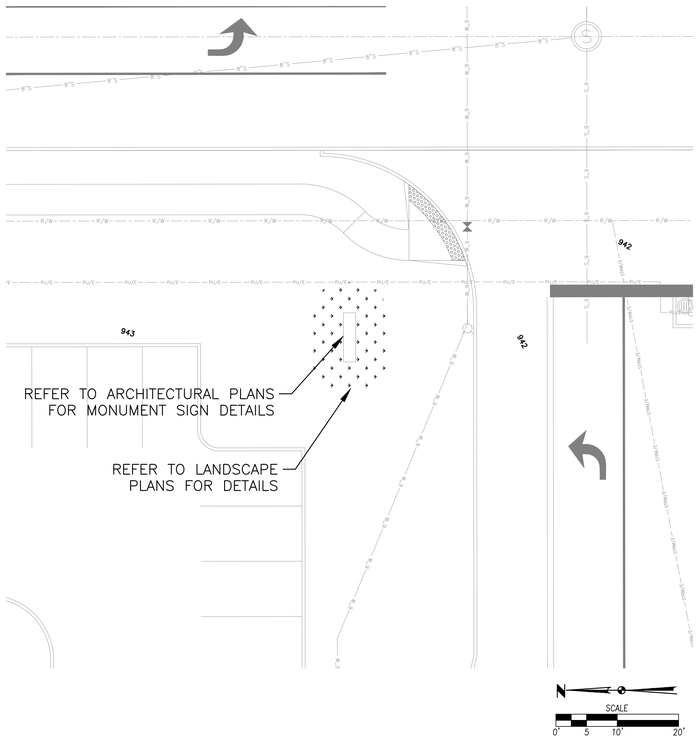
UTILITY, DIMENSION, AND LANDSCAPE PLAN

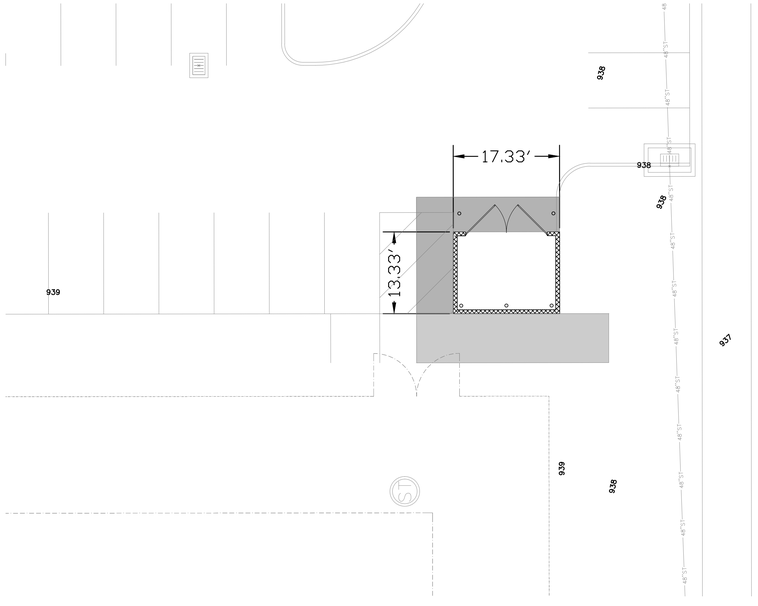
C2.1

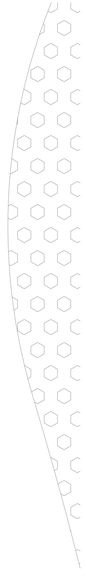
FILE: N:\2022\2202086\LWA\SITE PLAN\2202086-SHEET LAYOUT.DWG
PLOTTED: 4/25/2023 8:19 AM BY: TWISTAD
XREFS: DATE PLOTTED: 4/26/2023 8:19 AM COMMENT:

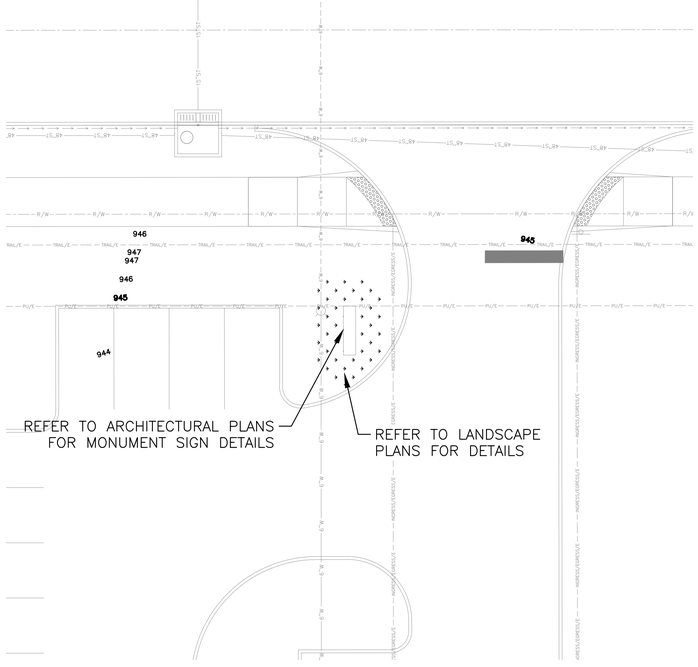


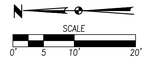












SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG CA
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

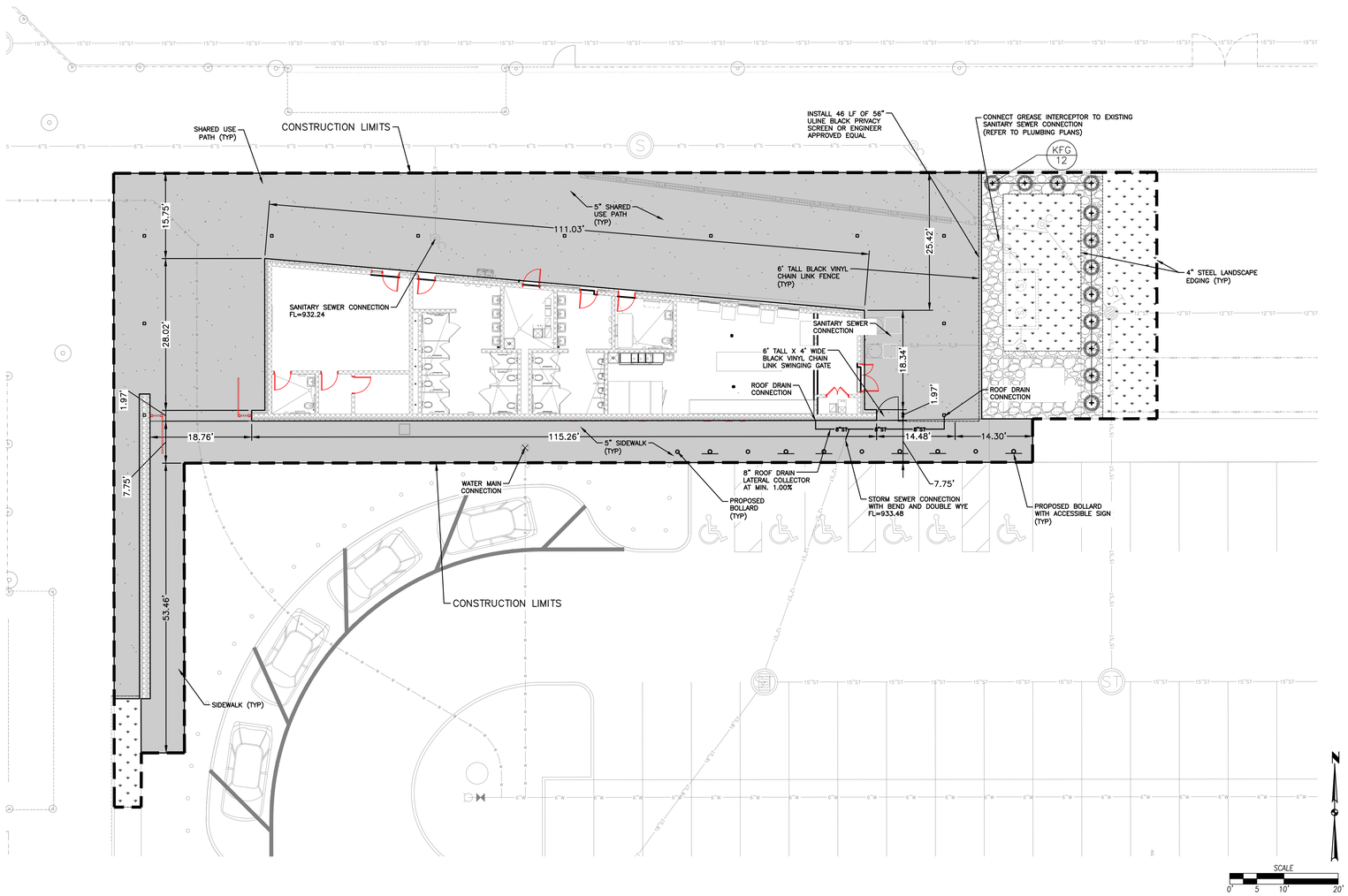
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
2202.086

UTILITY, DIMENSION, AND LANDSCAPE PLAN

C2.2

FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVPA.DWG
PLOT DATE: 4/26/2023
PLOTTED BY: Kyle Hirschfeld
DOMAIN: CIVIL



PLANT SCHEDULE				
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
KFG	21	Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'Karl Foerster'	CONT, 1 GAL

FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVP-A.DWG
PLOTTED: 4/26/2023 8:18 AM BY: THOMAS
DATE PLOTTED: 4/26/2023 8:18 AM
XREFS:
COMMENT:

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG CA
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

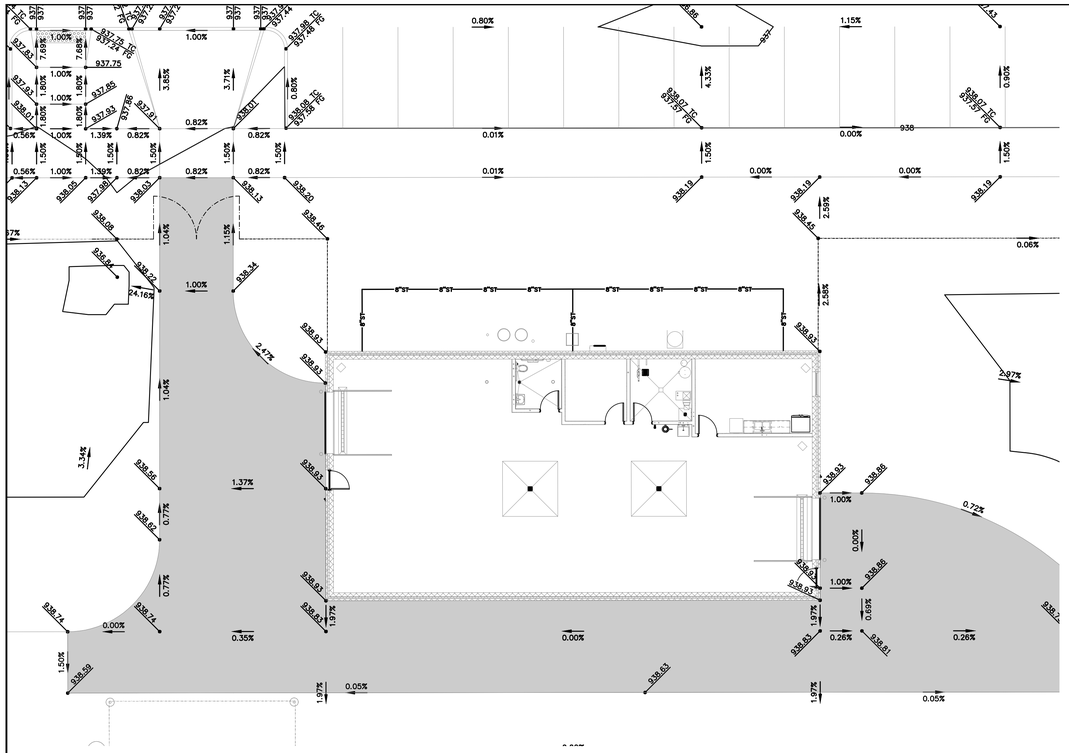
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

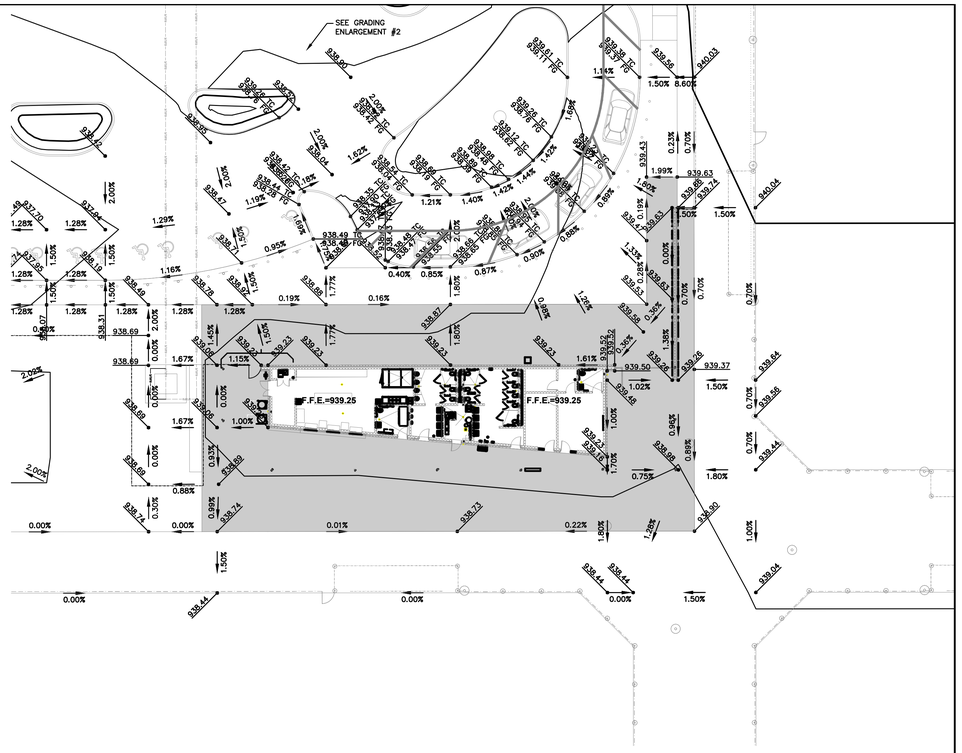
© 2023

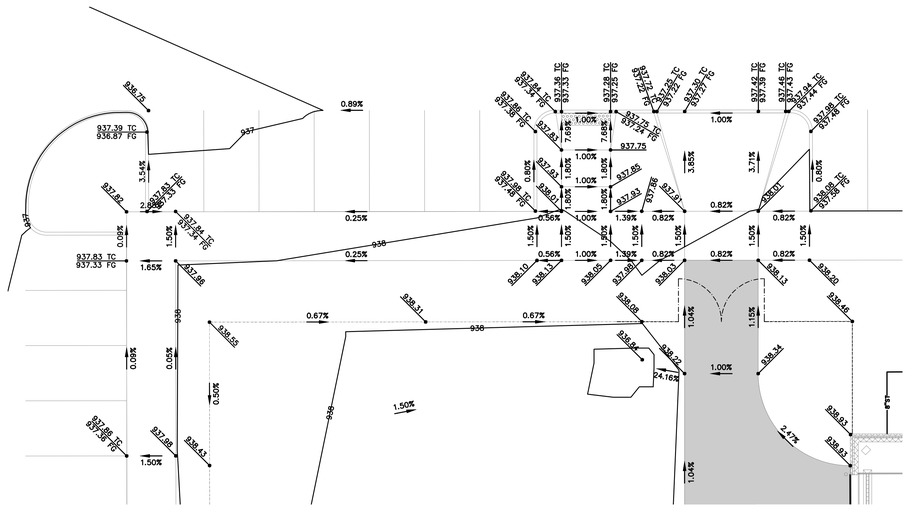
PROJECT NUMBER
2202.086

UTILITY, DIMENSION, AND LANDSCAPE PLAN

C2.3







1 **GRADING ENLARGMENT**
1"=10'

GRADING NOTES

1. PRIOR TO ANY GRADING, A COPY OF THE NPDES PERMIT SHALL BE PROVIDED TO THE CITY OF GRIMES' BUILDING DIVISION.
2. THE PROJECT REQUIRES AN IOWA NPDES PERMIT #2 AND CITY OF GRIMES GRADING PERMIT. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THROUGHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL REQUIREMENTS.
3. CONTRACTOR SHALL STRIP ALL DELETERIOUS MATERIAL. THE TOP 6" OF TOPSOIL IS TO BE STOCKPILED AND RESPREAD AFTER GRADING IS COMPLETE. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A SUITABLE TOPSOIL STOCKPILE SITE.
4. EXCAVATION SHALL BE IN ACCORDANCE WITH THE 2020 EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY OF GRIMES SUPPLEMENTALS, IF APPLICABLE.
5. MATCH EXISTING GRADES AT PROPERTY LINES AND/OR CONSTRUCTION LIMITS.
6. ALL SPOT ELEVATIONS ARE FORM GRADE (FG) OR TOP OF FINISHED SURFACES UNLESS OTHERWSE NOTED.
7. SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
8. SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
9. THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN THE CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
11. REFER TO SEPARATE STORM WATER POLLUTION PREVENTION PLAN FOR DETAILS ON EROSION CONTROL.
12. FINAL FINISH GRADING TO BE APPROVED BY THE ARCHITECT AND CIVIL ENGINEER. MATCH EXISTING GRADES AT THE INTERFACE OF NEW AND EXISTING GRADES OR PAVING.
13. SIDEWALKS:
    MAINTAIN 1% MINIMUM AND 5% MAXIMUM LONGITUDINAL SLOPES ON ALL PAVED WALKWAYS. ALL WALKS TO HAVE 2.0% MAXIMUM TRANSVERSE SLOPE IN THE DIRECTION OF NATURAL DRAINAGE. SAW CUT JOINTS AS SOON AS CONCRETE HAS SET. SAW CUTS TO BE 1/8" TO 1/4" WIDE; DEPTH: LONGITUDINAL 1/3, TRANSVERSE 1/4.
14. EXISTING TOPO FOR THIS AREA WAS TAKEN FROM PROPOSED CONTOURS FOR THE HOPE COMMERCIAL PLAT 1 & HOPE COMMERCIAL PLAT 2. TIE-IN POINTS MAY VARY BASED ON CONSTRUCTED ELEVATIONS.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.2275990

CITY OF GRIMES

IMEG CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

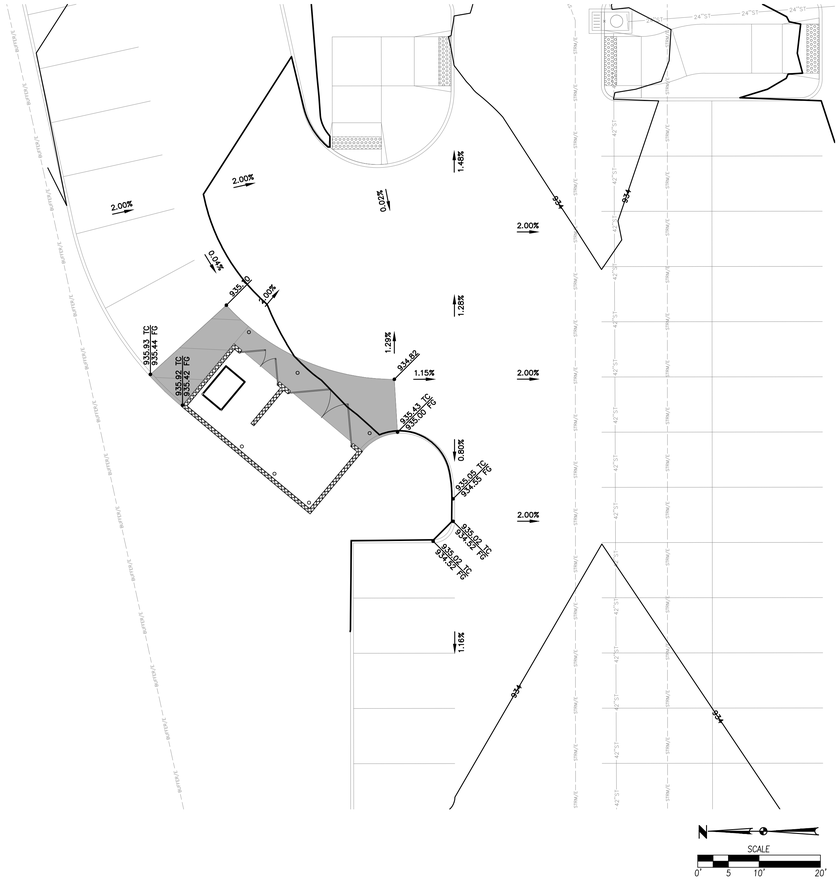
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

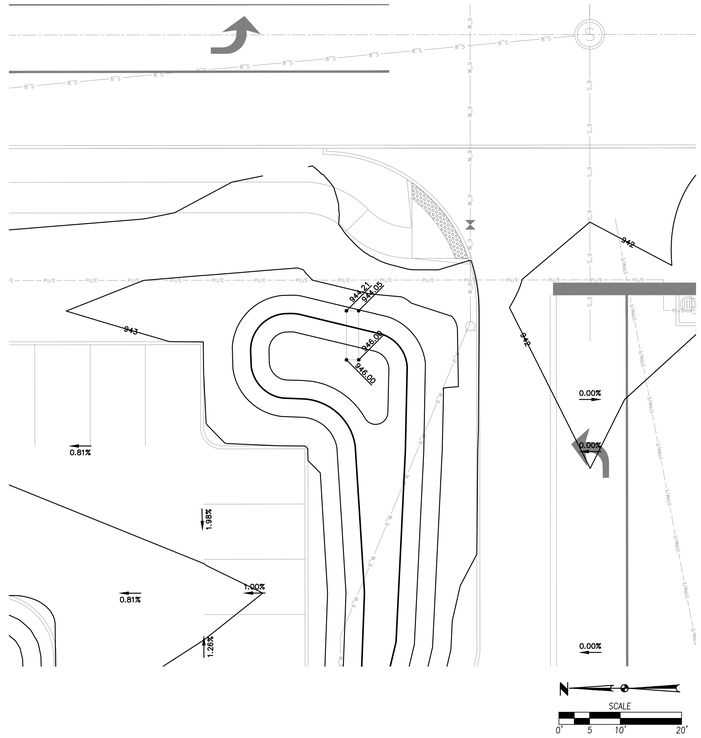
PROJECT NUMBER
2202.086

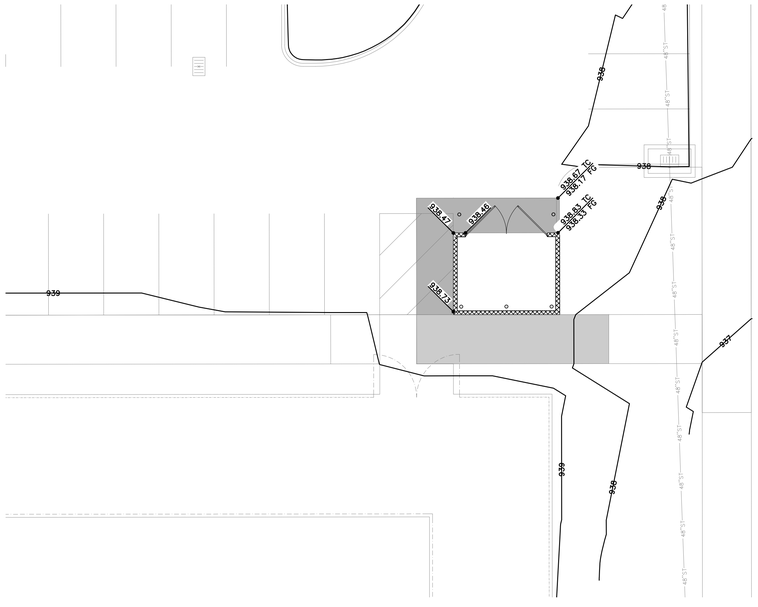
GRADING PLAN

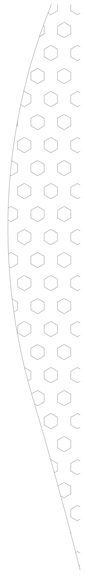
C3.1

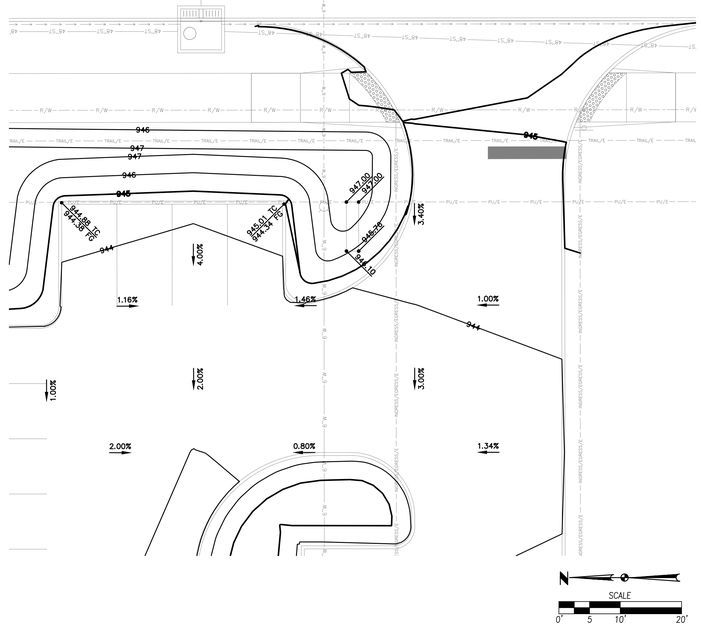
FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SWPPP.DWG
PLOT DATE: 4/20/2023
PLOT BY: Andrew Swisstad
DOMAIN: CIVIL











SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CIVIL DESIGN ADVANTAGE
4121 NW URBANDALE DRIVE, URBANDALE, IOWA 50322
PH: (515) 369-4400 Fax: (515) 369-4410
PROJECT NO. 1703.148

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

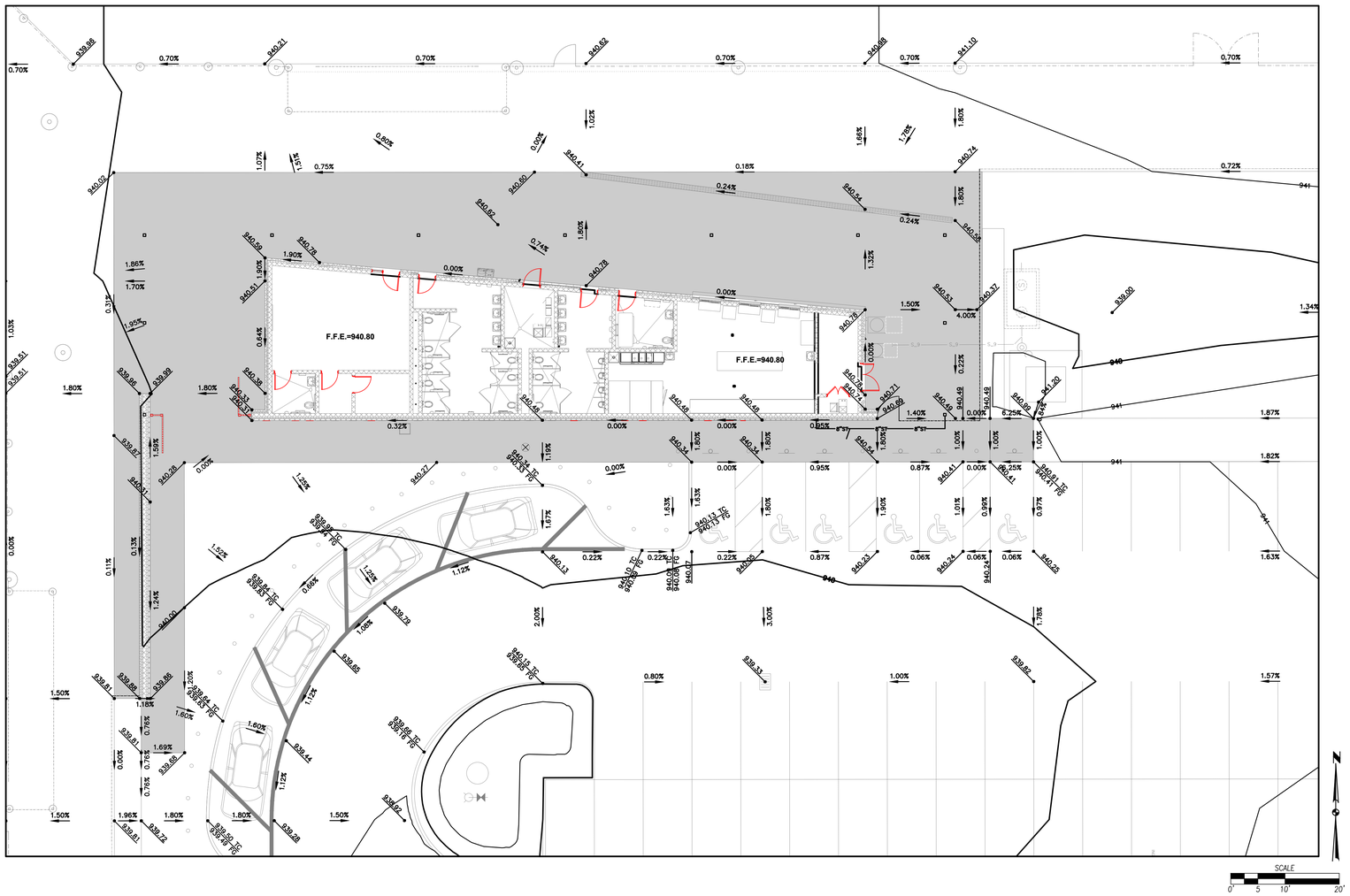
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
2202.086

GRADING PLAN

C3.2

FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVPA.DWG
PLOT DATE: 4/20/23 PLOTTED: 4/20/2023 8:16 AM
PLOT BY: Andrew Thorstad DOMAIN:



SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES
IMEG CA
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

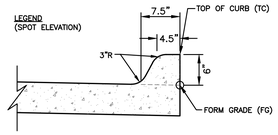
© 2021

PROJECT NUMBER
2202.086

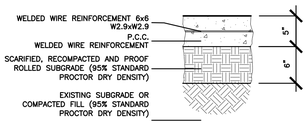
GRADING PLAN

C3.3

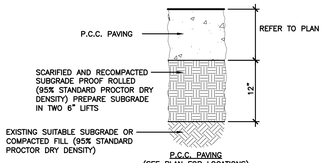
FILE: R:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVPA.DWG
LAYOUT: C3.3
PLOT DATE: 4/26/2023 8:18 AM
PLOTTED BY: Nick Revzlad
STATE PLOTTED:
COMMENTS:



1 6" STANDARD CURB
NOT TO SCALE

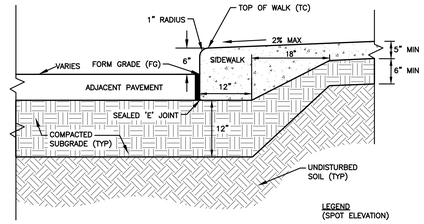


2 SHARED USE PATH DETAIL
NOT TO SCALE

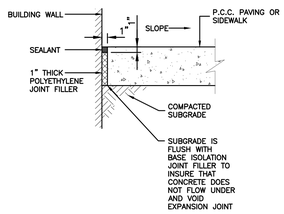


NOTE:
1. SUBGRADE PREPARATION SHALL EXTEND 24" BEYOND EDGE OF PAVING OR BACK OF CURB. EXCEPT WHEN ABUTTING EXISTING PAVEMENT.
2. TRANSVERSE JOINTS SHALL BE "C" JOINTS FOR 6" PCC AT 12' MAX. SPACING.
3. LONGITUDINAL JOINTS SHALL BE INTERCHANGEABLE, L-1 OR KT-1 FOR 6" AND 7" PCC, L-2 OR KT-2 FOR 8" PCC.

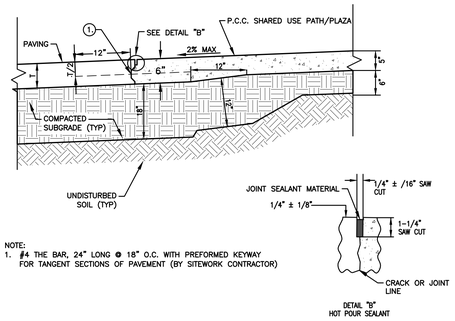
3 TYPICAL SECTION - P.C.C. PAVEMENT
NOT TO SCALE



4 CLASS "A" INTEGRAL CURB AND SIDEWALK
NOT TO SCALE

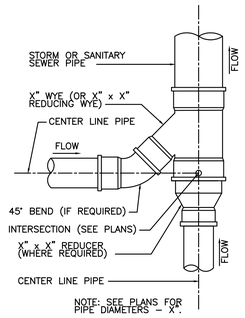


5 ISOLATION JOINT AT BUILDING
NOT TO SCALE

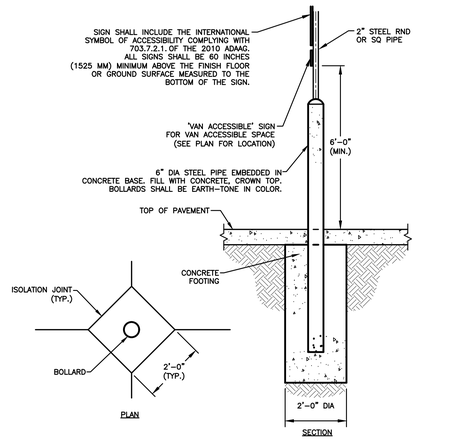


NOTE:
1. #4 THE BAR, 24" LONG @ 18" O.C. WITH PREFORMED KEYWAY FOR TANGENT SECTIONS OF PAVEMENT (BY SITEWORK CONTRACTOR)

6 SIDEWALK AT PAVEMENT (NO CURB)
NOT TO SCALE

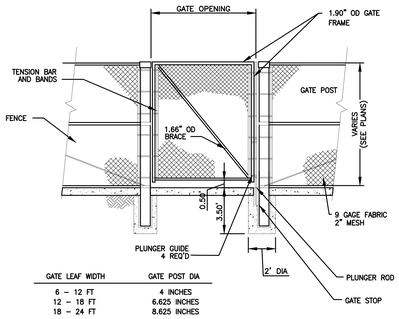


7 WYE CONNECTION
NOT TO SCALE



8 BOLLARD WITH SIGN
NOT TO SCALE

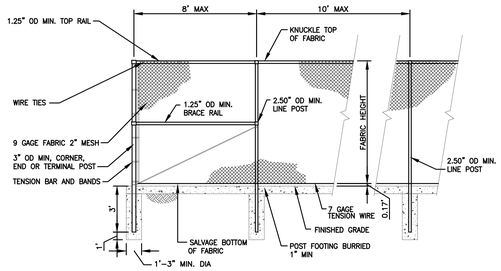
FOR REFERENCE ONLY.
(REFER TO MANUFACTURER PLANS FOR CONSTRUCTION DETAILS)



GATE LEAF WIDTH	GATE POST DIA
6 – 12 FT	4 INCHES
12 – 18 FT	6.625 INCHES
18 – 24 FT	8.625 INCHES

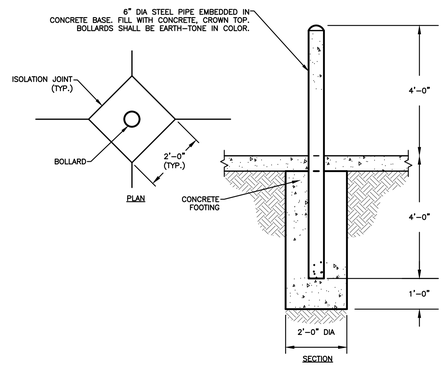
9 SINGLE LEAF GATE
NOT TO SCALE

FOR REFERENCE ONLY.
(REFER TO MANUFACTURER PLANS FOR CONSTRUCTION DETAILS)

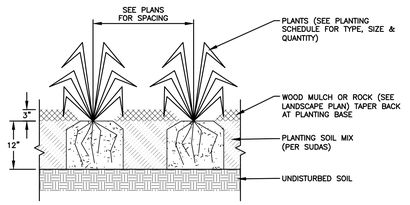


NOTES: 1. 1. ALL POLYVINYL CHLORIDE (PVC) COATED FENCE MATERIALS (FRAMEWORK, FENCE FABRIC, FITTINGS, TENSION WIRES, ETC.) SHALL BE BLACK.
2. AT A MINIMUM, RAIL & POST DIAMETERS SHALL MEET SUDAS SPECIFICATIONS.

10 CHAINLINK FENCING
NOT TO SCALE



11 BOLLARD WITHOUT SIGN
NOT TO SCALE



12 SHRUB PLANTINGS
NOT TO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.3275990
CIVIL DESIGN ADVANTAGE

GRIMESPLEX
7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

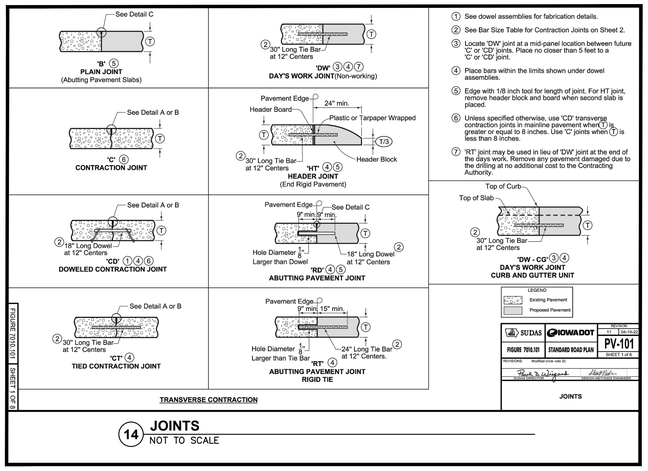
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

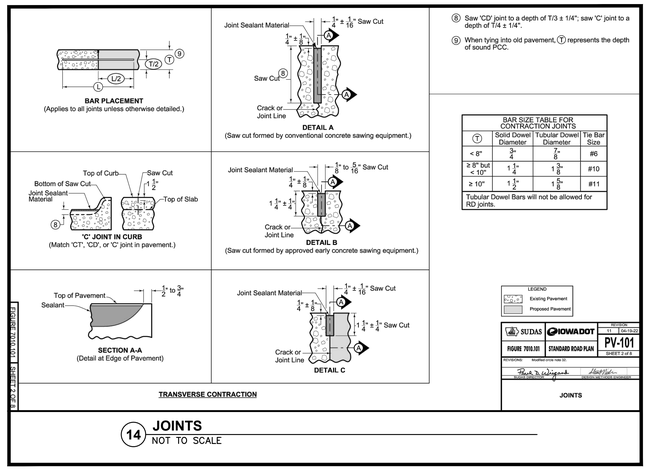
PROJECT NUMBER
2202.086

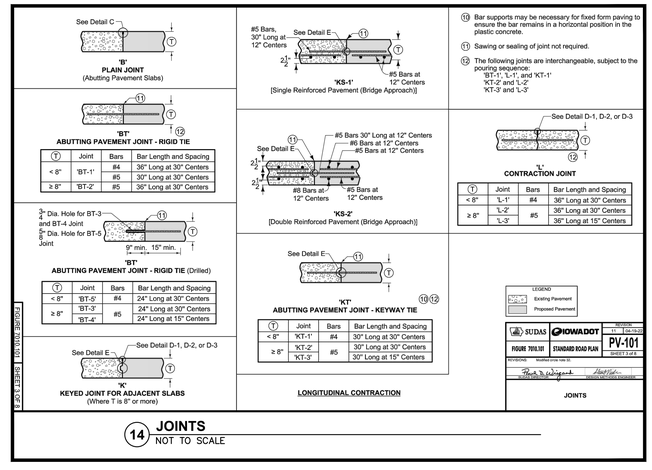
DETAILS

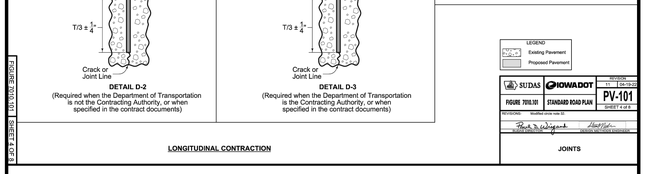
C4.1

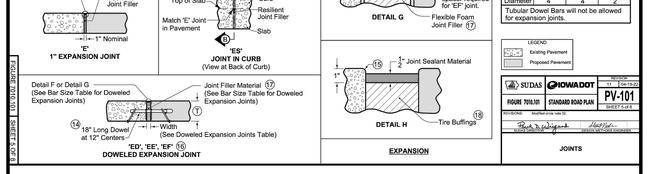
FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVPA.DWG
PLOT DATE: 4/20/2023 8:17 AM
PLOTTED BY: JEREMY STOSTAD
DOMAIN?
DWG

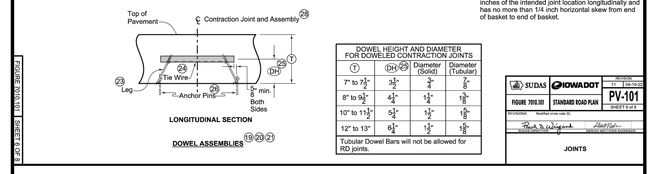


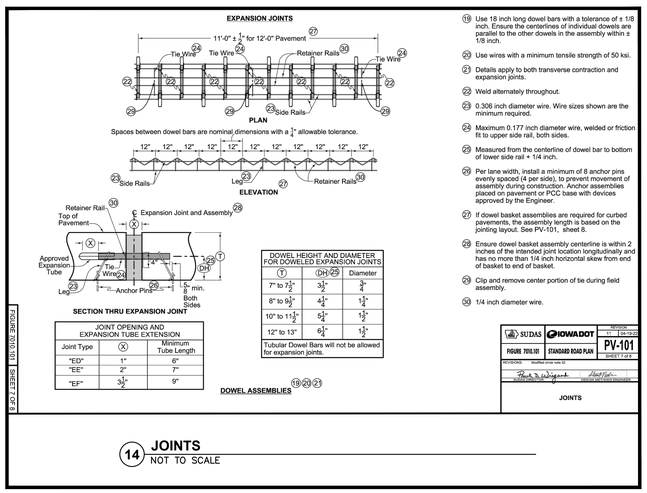


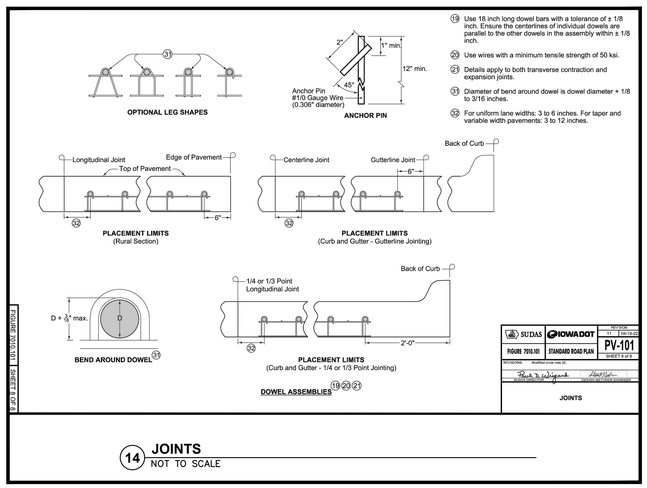












SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

FINAL PLANS
04/20/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
2202.086

DETAILS

C4.2

FILE: K:\2022\2202086\DWG\SITE PLAN\2202086-SHEET LAYOUT SVPA.DWG
PLOTTED: 4/26/2023 8:17 AM
PLOTTED BY: Mitchell Pad
PLOT SCALE: 1.000000
COMMENT:

DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:
   - IBC 2018
   - ASCE 7-16
   - ACI 318-14
   - AISC 360-16
   - AISI S100
   - NDS-18 AND SDPWS-15
   - TMS 402/602-16
2. RISK CATEGORY: II
3. SNOW:

GROUND SNOW	30 PSF
SNOW EXPOSURE FACTOR	0.9
THERMAL FACTOR	1.0
IMPORTANCE FACTOR	1.0
FLAT-ROOF SNOW	19 PSF
DESIGN SNOW	25 PSF

4. SEISMIC:

SEISMIC DESIGN CATEGORY	B
IMPORTANCE FACTOR	1.0
SOIL CLASS	D
Ss	0.06 g
S1	0.05 g
Sds	0.064 g
Sd1	0.081 g
SEISMIC FORCE RESISTING SYSTEM	INTERMEDIATE REINFORCED MASONRY WALLS
R	3.5
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

5. WIND:

BASIC WIND SPEED	V ULT = 115 MPH
IMPORTANCE FACTOR	1.0
EXPOSURE CLASS	C
INTERNAL PRESSURE COEFFICIENT, GCpi	± 0.18
MWFRS PRESSURE (1.0WL)	33 PSF

6. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDINGS IN THE COMPLETED STRUCTURES IS PROVIDED BY MASONRY SHEAR WALLS IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE WOOD SHEATHING SERVES AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
4. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN.
5. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH ARCHITECT.
7. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
8. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE.
9. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
10. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.

SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   c. CONCRETE AND MASONRY REINFORCING
   d. ENGINEERED LUMBER
   e. CLT DECKING
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE ARCHITECT/STRUCTURAL ENGINEER.
3. SUBMITTALS SHALL BE REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE ARCHITECT/STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. PREFABRICATED TRUSSES
3. ALL DELEGATED DESIGNS SHALL BEAR THE STAMP AND SIGNATURE OF THE QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

EARTHWORK

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT DATED AUGUST 24, 2022 BY TERRACON. REPORT IS ON FILE WITH THE ARCHITECT.
2. SOIL PROPERTIES PER THE GEOTECHNICAL REPORT:

ALLOWABLE NET SOIL BEARING PRESSURE:	
FOOTINGS	2000 PSF
FROST DEPTH	3.5 FT
EQUIVALENT FLUID PRESSURE	
ACTIVE PRESSURE	60 PSF/FT, DRAINED
PASSIVE PRESSURE	285 PSF/FT OF DEPTH
COEFFICIENT OF FRICTION	0.35

3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED.
4. CARE SHALL BE EXERCISED WHEN EXCAVATING OR GRADING ADJACENT TO EXISTING STRUCTURES OR IMPROVEMENTS TO NOT DAMAGE OR UNDERMINE FOUNDATIONS, WALLS, SLABS, UTILITIES, ETC.
5. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILL MATERIAL OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS AND FOUNDATIONS. IF ANY SUCH MATERIAL OR STRUCTURES ARE FOUND, ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY. ALL ABANDONED FOUNDATIONS, UTILITIES AND OTHER STRUCTURES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
6. ALL FOOTINGS AND SLABS ON GRADE SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL, REMOVING ANY EXISTING FILL, ORGANIC MATERIAL, OR UNSUITABLE SOILS, AS RECOMMENDED BY THE GEOTECHNICAL REPORT. EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED BELOW SLABS ON GRADE.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE AMERICAN CONCRETE INSTITUTE "ACI DETAILING MANUAL" (SP-066) EXCEPT AS OTHERWISE SHOWN, NOTED OR SPECIFIED.
2. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A615, GR 60	Fy = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy = 65 KSI
DEFORMED BAR ANCHORS	ASTM A1064	Fy = 70 KSI

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"

4. ALL WELDED WIRE REINFORCING (WWR) SHALL BE LAPPED 2 PANELS AT EDGES AND ENDS.
5. WHERE REINFORCEMENT LENGTH IS SPECIFIED, NO SPLICES ARE PERMITTED WITHIN THE SPECIFIED LENGTH WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
6. SUBMIT SHOP DRAWINGS FOR FABRICATION AND PLACEMENT OF REINFORCING STEEL. INCLUDE SCHEDULES AND DIAGRAMS OF BENT BARS AND SHOW ARRANGEMENT OF REINFORCEMENT, INCLUDING CONCRETE COVER. STRUCTURAL ENGINEER'S REVIEW WILL BE FOR COMPLIANCE WITH DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND QUANTITIES.
7. ALL CONCRETE NOT OTHERWISE SPECIFIED SHALL BE REINFORCED TO THE MINIMUM REQUIREMENT OF ACI 318.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE CORRESPONDING EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 117, ACI 301, ACI 305.1, ACI 306.1, ACI 308.1, ACI 318 AND SP-066, UNLESS OTHERWISE NOTED.
2. CONCRETE MATERIALS SHALL CONFORM TO:

CEMENT	ASTM C150, TYPE I OR II
FLY ASH	ASTM C618, TYPE C OR F
FINE AND COARSE AGGREGATE	ASTM C33
WATER	POTABLE
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER REDUCING ADMIXTURE	ASTM C494

CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	STRENGTH (PSI)
FOOTINGS	3000
FOUNDATIONS	4000
SLAB ON GRADE	4000
UNLESS OTHERWISE NOTED	4000

NORMAL-WEIGHT 28-DAY STRENGTH UNLESS OTHERWISE NOTED.

3. SLAB-ON-GRADE CONSTRUCTION: LOCATE SAW-CUT CONTROL JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, UNLESS OTHERWISE NOTED. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5:1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR SPECIAL CASES.

THICKNESS (IN)	MAXIMUM JOINT SPACING EACH WAY (FT)
4	12
5	13

4. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE BEFORE PLACING. SECURE SLEEVES TO PREVENT MOVEMENT DURING PLACING OPERATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS.
5. NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE OR SNOW.
6. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AGENCY, RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.

MASONRY

1. CMU CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH TMS 402/602 "BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES".
2. MINIMUM 28-DAY COMPRESSIVE STRENGTHS FOR CMU CONSTRUCTION SHALL BE:

DESIGN ASSEMBLY STRENGTH, f'm	2500 PSI
INDIVIDUAL CONCRETE MASONRY UNITS	3250 PSI
GROUT	2500 PSI

3. CMU MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

CONCRETE MASONRY UNITS	ASTM C90, NORMAL WEIGHT
MORTAR	ASTM C270, TYPE S
GROUT	ASTM C476
JOINT REINFORCING	ASTM A82

4. WIRE REINFORCING PER ASTM A82 FOR SINGLE-WYTHE CMU WALLS, CMU CAVITY WALLS, AND MULTI-WYTHE COMPOSITE CMU WALLS SHALL BE HOT-DIP GALVANIZED PER ASTM A153, CORROSION RESISTANT HORIZONTAL JOINT REINFORCING WITH THE FOLLOWING GAUGE AND VERTICAL SPACING:

RUNNING BOND	9 GA @ 16" OC (ALL WIDTHS)
BELOW GRADE WALLS	9 GA @ 8" OC

5. ALL LOAD BEARING CMU WALLS TO HAVE FULL MORTAR BED, HEAD, AND COLLAR JOINTS.
6. GROUT SOLID ALL JAMBS FULL HEIGHT IN LOAD BEARING CMU WALLS TO UNDERSIDE OF LINTEL PLUS ONE COURSE BEYOND BEARING LENGTH.
7. PROVIDE MINIMUM 1 INCH GROUT BETWEEN MAIN REINFORCING AND/OR BOLTS AND CMU UNIT FACE. VERTICAL REINFORCEMENT SHALL BE CENTERED IN WALL, UNLESS OTHERWISE NOTED. VERTICAL REINFORCING BARS SHALL SECURELY BE HELD IN POSITION BY WIRE TIES OR OTHER APPROVED MEANS TO ENSURE DESIGN LOCATION AND LAP. PLACE BARS AND LAP PRIOR TO GROUTING.
8. COORDINATE ANY UNIDENTIFIED PIPE OR DUCT PASSING THROUGH STRUCTURAL CMU WALLS WITH TYPICAL DETAILS, UNLESS OTHERWISE NOTED.
9. SEE ARCHITECTURAL DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN, AND JOINT TYPE. ALL BLOCK SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED.

LINTELS

1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION. LINTELS ARE NOT REQUIRED OVER OPENINGS 12" WIDE OR LESS THAT IS AT LEAST 1 COURSE BELOW THE BOND BEAM AT THE TOP OF WALL.
2. PENETRATIONS NOT IDENTIFIED ON THE DOCUMENTS ARE TO BE TREATED IN A MANNER SIMILAR TO THE IDENTIFIED LOCATIONS.
3. LINTELS IN NON-BEARING WALLS SHALL BE SIZED PER THE FOLLOWING:

SPAN, L	STEEL OPTION (FOR EA 4" OF MASONRY) *
0' < L ≤ 4'-0"	L3 1/2x3 1/2x1/4
4'-0" < L ≤ 6'-0"	L4x3 1/2x5/16 (LLV)
6'-0" < L ≤ 8'-0"	L5x3 1/2x5/16 (LLV)
8'-0" < L ≤ 10'-0"	L6x3 1/2x3/8 (LLV)

SPAN, L	CMU OPTIONS			
	6" BLOCK	8" BLOCK	10" BLOCK	12" BLOCK
0' < L ≤ 4'-0"	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #5 BOTT	8" DEEP W/ (1) #5 BOTT
4'-0" < L ≤ 6'-0"	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #4 BOTT	8" DEEP W/ (1) #5 BOTT	8" DEEP W/ (1) #5 BOTT
6'-0" < L ≤ 8'-0"	16" DEEP W/ (1) #4 BOTT	16" DEEP W/ (1) #4 BOTT	16" DEEP W/ (1) #5 BOTT	16" DEEP W/ (1) #5 BOTT
8'-0" < L ≤ 10'-0"	16" DEEP W/ (1) #5 BOTT	16" DEEP W/ (2) #5 BOTT	16" DEEP W/ (2) #5 BOTT	16" DEEP W/ (2) #5 BOTT

*ALL ANGLES THAT ARE BACK-TO-BACK SHALL BE WELDED TOP AND BOTTOM 3" @ 12" OC MINIMUM.

4. ALL LINTELS SHALL HAVE A MINIMUM OF 8" END BEARING AND DO NOT REQUIRE BEARING PLATES, UNLESS OTHERWISE NOTED.
5. TEMPORARY SHORING OF MASONRY LINTELS MUST BE PROVIDED UNTIL MASONRY HAS REACHED 75% OF DESIGN STRENGTH.
6. ALL STEEL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED, UNLESS OTHERWISE NOTED.

STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

WIDE FLANGE SHAPES	ASTM A992	Fy = 50 KSI
OTHER ROLLED SHAPES	ASTM A36	Fy = 36 KSI
PIPE SECTIONS	ASTM A53, GR B	Fy = 35 KSI
HSS SECTIONS, ROUND	ASTM A500, GR C	Fy = 46 KSI
HSS SECTION, SQ/RECT	ASTM A500, GR C	Fy = 50 KSI
HP SHAPES	ASTM A572	Fy = 50 KSI
BASE AND CONNECTION PLATES	ASTM A36	Fy = 36 KSI
ANCHOR RODS	ASTM F1554, GR 36	Fy = 36 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fy = 120 KSI
HEAVY HEX NUTS	ASTM A563	
WASHERS	ASTM F436	
HEADED STUD ANCHORS	ASTM A108, TYPE B	
ELECTRODES FOR ARC WELDING	AWS 5.1, E70XX	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS, UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM "SNUG TIGHT" CONDITION, UNLESS OTHERWISE NOTED.
5. ALL STEEL EXPOSED TO WEATHER OR AS NOTED ON PLAN SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G90. ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
6. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
7. CUTS, HOLES, OPENINGS, ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
8. FURNISH AND INSTALL MISCELLANEOUS STEEL (CURBS, HANGERS, EXPANSION JOINT ANGLES, STRUTS, ETC.) AS CALLED FOR OR AS NECESSARY PER ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS.
9. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 7000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
10. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR ARCHITECT/STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.

WOOD

1. STRUCTURAL SHEATHING
   A. ALL PANELS TO BE PLYWOOD OF MINIMUM 5 PLY CONSTRUCTION. EACH PANEL SHALL BEAR THE QUALITY TRADEMARK STAMP OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
   B. ROOFS:
      i. GRADE:
         a. 5/8", "C-D", GROUP 1, SPAN INDEX 40/20, EXPOSURE 1
      ii. PANEL EDGE SUPPORT SHALL BE EITHER TONGUE-AND-GROOVE EDGE. PANEL EDGE CLIP MIDWAY BETWEEN SUPPORTS, OR LUMBER BLOCKING (MIN 2x4 SIZE).
   C. MINIMUM NAILING REQUIREMENTS UNLESS OTHERWISE NOTED:
      i. ROOF:
         a. NAIL SIZE: USE 0.148" x 2 1/4" GUN NAIL
         b. SPACING:
            1) PANEL EDGES @ 6" OC
            2) INTERIOR BEARINGS @ 12" OC
            3) GLULAM BEAMS AND SHEAR COLLECTORS @ 6" OC
   D. PANEL LAYOUT:
      i. LONG DIMENSION OF PANEL TO BE PERPENDICULAR TO FRAMING MEMBERS, EXCEPT PANELS AT WALLS MAY BE INSTALLED WITH LONG DIMENSION PARALLEL TO STUDS UNLESS OTHERWISE NOTED.
      ii. END JOINTS IN ADJACENT RUNS SHALL BE STAGGERED 4 FEET.
      iii. MINIMUM PANEL WIDTH SHALL BE 12".
      iv. EDGES OF ALL PANELS LESS THAN 24" WIDE SHALL BE BACKED BY BLOCKING (MIN 2x4 SIZE).
      v. PROVIDE 1/8" GAP AT ALL SHEATHING JOINTS FOR FLOORS AND WALLS UNLESS OTHERWISE NOTED ON PLAN OR DETAILS.
   E. IF SHEATHING PANELS EXHIBIT SWELLING, NAIL HEAD PULL-THROUGH, SOFT SPOTS OR OTHER CONDITIONS WHEREBY REDUCING THE STRUCTURAL CAPACITY, REMOVE AND REPLACE.
2. LUMBER:
   A. COMPLY WITH ANSI/AWC NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION.
   B. ALL FRAMING LUMBER SHALL BE SPRUCE PINE FIR, GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION. NOTED ALLOWABLE STRESSES ARE MINIMUMS AND FOR NONREPETITIVE USES PRIOR TO ALLOWABLE STRESS INCREASES AND CONFORMING TO THE NDS AS FOLLOWS:

2" THICK - 4" TO 6" WIDE (WALL STUD ONLY)	NO. 2 Fb = 875 PSI, E = 1,400,000 PSI
2" TO 4" THICK - 6" AND WIDER	NO. 2 Fb = 875 PSI, E = 1,400,000 PSI
5" THICK - 5" AND WIDER	NO. 1 Fb = 900 PSI, E = 1,300,000 PSI

   C. ALL LUMBER STRESSES SHOWN ABOVE ARE FOR VISUALLY STRESS-RATED LUMBER USED AT 19% MAXIMUM MOISTURE CONTENT WHEN BUILDING IS ENCLOSED, SINGLE MEMBER USE. ALL LUMBER SHALL BE GRADE MARKED.
   D. PROVIDE A MINIMUM OF 1 1/2" JOIST BEARING UNLESS OTHERWISE NOTED.
   E. NOTCHING OR DRILLING HOLES IN LUMBER FRAMING MEMBERS MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
3. MANUFACTURED WOOD PRODUCTS:
   A. NOTCHING OR DRILLING HOLES IN MANUFACTURED WOOD PRODUCTS THAT ARE DIFFERENT FROM THE MANUFACTURER'S GUIDELINES MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.
   B. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION PER DETAILED INSTALLATION RECOMMENDATIONS AND GUIDELINES OF THE MANUFACTURER.
   C. ALL HANGERS SELECTED SHALL MATCH THE SIZE OF SUPPORTED MEMBER AND SHALL HAVE FULL NAILING AS SHOWN IN THE ICC REPORT.
   D. SUBSTITUTIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER AND HAVE ICC APPROVED LOAD CAPACITIES EQUAL TO OR GREATER THAN THE SIMPSON STRONG-TIE CONNECTORS.
   E. SIMPSON HANGERS AT PRESSURE TREATED MEMBERS SHALL HAVE ZMAX COATING.
   F. SEE ARCHITECTURAL DETAILS AND SPECIFICATIONS FOR MATERIAL TYPES AND FINISHES.
   G. SEE MANUFACTURER REQUIREMENTS FOR MINIMUM BEARING LENGTHS.
4. FASTENING:
   A. ALL NAILS SHALL BE COMMON WIRE NAILS. AT ALL EXPOSED NAILING TO WEATHER OR INSTALLED IN PRESSURE TREATED WOOD (E.G.-DECKING & SIDING), USE HOT-DIP GALVANIZED NAILS. USE OF PLASTIC COATED OR CASING NAILS IS NOT ALLOWED. NAIL DESIGNATIONS SHALL MEET THE FOLLOWING LENGTHS AND DIAMETERS:
      i. 6d - 2" x 0.113"
      ii. 8d - 2 1/2" x 0.131"
      iii. 10d - 3" x 0.148"
      iv. 12d - 3 1/4" x 0.148"
      v. 16d - 3 1/2" x 0.162"
      vi. 20d - 4" x 0.192"
   B. THE NAILING SCHEDULE AND STRUCTURAL DETAILS ARE BASED ON THE USAGE OF "COMMON" WIRE NAILS EXCEPT THAT 16d "SINKER" NAILS (3 1/4" x 0.148") MAY BE USED WHERE 16d IS SPECIFIED. IF GUN NAILS ARE USED, THE CONTRACTOR SHALL SUBMIT NAIL DATA FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION.
   C. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THE FOLLOWING SCHEDULE:

CONNECTION	FASTENING
JOIST TO SILL, TOP PLATE OR GIRDER	(3) 8d TOENAILS
BRIDGING OR BLOCKING BETWEEN JOISTS OR TRUSSES NOT AT WALL TOP PLATE	(2) 8d TOENAILS, EACH END OR (2) 16d END NAILS
SILL PLATE TO JOIST, RIM JOIST OR BLOCKING	16d @ 16" OC, FACE NAIL
BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE	(3) 8d TOENAILS
RIM JOIST TO TOP PLATE OR FRAMING BELOW	8d @ 6" OC, TOENAIL
RAFTER OR ROOF TRUSS TO PLATE	(3) 10d TOENAILS
FLAT BLOCKING TO TRUSS AND WEB FILLER	16d @ 16" OC, FACE NAIL

   D. PILOT HOLES SHALL BE PROVIDED FOR ALL NAILS 20d AND LARGER. PILOT HOLES SHALL HAVE A DIAMETER OF APPROXIMATELY 75% OF THE NAIL SHANK DIAMETER.
   E. USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL OF THE ARCHITECT/STRUCTURAL ENGINEER.
   F. CONTRACTOR TO AVOID SPLITTING WOOD MEMBERS DURING FASTENER INSTALLATION. NAIL HEADS SHOULD BE DRIVEN NO GREATER THAN 1/16 OF AN INCH BELOW WOOD SURFACE.
   G. ALL BOLTED WOOD CONNECTIONS SHALL BE MADE WITH A307 BOLTS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME UNLESS OTHERWISE NOTED. BOLT HOLES SHALL BE 1/32" TO 1/16" LARGER THAN THE BOLT. FORCIBLE DRIVING OF BOLTS IS NOT ALLOWED. RETIGHTEN ALL BOLTS BEFORE CONCEALING CONNECTION.
   H. USE STANDARD CUT WASHERS BETWEEN THE BOLTS HEADS, BOLT NUTS AND LAG SCREW HEADS AND WOOD FRAMING, UNLESS OTHERWISE NOTED.
   I. ALL WOOD CONNECTIONS MADE WITH LAG SCREWS SHALL BE MADE WITH SCREWS CONFORMING TO THE REQUIREMENTS OF THE CURRENT VERSION OF ANSI/ASME. LEAD HOLES FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK AND THE SAME DEPTH AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE SHALL HAVE A DIAMETER EQUAL TO 60-75% OF THE SHANK DIAMETER.
   J. WHERE THERE ARE CONNECTOR NAILING ALTERNATIVES LISTED IN THE MANUFACTURER'S CATALOG, THE NAILING PROVIDING THE HIGHEST LOAD CAPACITY SHALL BE USED, UNLESS OTHERWISE NOTED.
5. GENERAL CONSTRUCTION REQUIREMENTS:
   A. METAL FRAMING CONNECTORS NOTED ON THE DRAWINGS USE SIMPSON STRONG-TIE AS BASIS OF DESIGN, UNLESS OTHERWISE NOTED. SUBSTITUTIONS OF ALTERNATE MANUFACTURERS WILL BE ACCEPTABLE AS LONG AS LOAD CAPACITIES ARE MET OR EXCEEDED AND ARE SUBSTANTIATED BY AN ICC REPORT.
   B. FRAMING PLANS INDICATE GENERAL LAYOUT AND DIMENSIONAL CONTROL ONLY. SEE SHOP DRAWINGS FOR ENGINEERING AND ERECTION.
   C. ALL LUMBER, UNLESS NOTED, SHALL BE MILL SIZED AND SURFACED ON FOUR SIDES AND SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES.
   D. ALL ROUGH CARPENTRY SHALL PRODUCE JOINTS TRUE, TIGHT, AND WELL NAILED WITH MEMBERS ASSEMBLED IN ACCORDANCE WITH THE DRAWINGS AND ALL PERTINENT BUILDING CODES. THE SHIMMING OF SILLS, JOISTS, SHORT STUDS, TRIMMERS, HEADERS, OR OTHER FRAMING MEMBERS SHALL NOT BE PERMITTED. ALL WALLS AND PARTITIONS SHALL BE STRAIGHT, PLUMB, AND ACCURATELY LOCATED. CAREFULLY SELECT ALL STRUCTURAL MEMBERS SO KNOTS AND OBVIOUS MINOR DEFECTS WILL NOT INTERFERE WITH MAKING SOUND CONNECTIONS.
   E. INSTALL ALL BLOCKING AS REQUIRED TO SUPPORT ALL REQUIRED FINISHES AND E

TESTING, INSPECTIONS, AND OBSERVATIONS

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE GENERAL CONTRACTOR. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTIONS AND TESTS ARE REQUIRED FOR MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN CHAPTER 17 OF THE IBC OR IN STANDARDS REFERENCED BY THE IBC. THESE ITEMS INCLUDE:
   a. POST-INSTALLED ANCHORS - INSPECTION
5. THE FOLLOWING WORK SHALL BE INSPECTED BY THE SPECIAL INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.

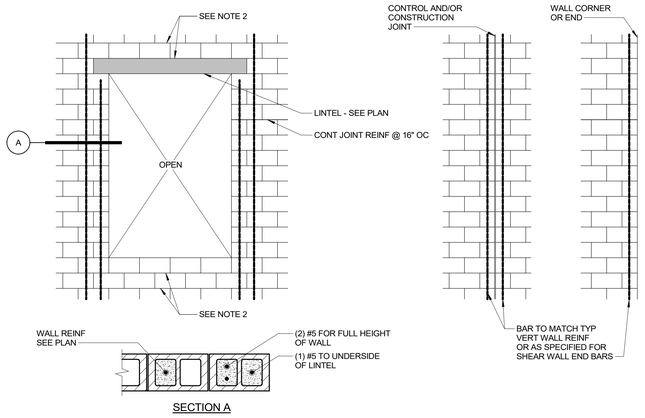
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
CONCRETE CONSTRUCTION				
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT		X	ACI 318: CH 20, 25.2, 25.3, 26.2.1-26.6.3	1908.4
2. MATERIAL IDENTIFICATION OF REINFORCING (TYPE/GRADE)		X		
3. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD		X		
4. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED		X		
5. REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED		X		
6. INSPECT ANCHORS CAST IN CONCRETE		X	ACI 318: 17.8.2	
7. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X		ACI 318: 17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a		X	ACI 318: 17.8.2	
8. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318: CH 19, 26.4.2, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
9. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1908.10
10. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5	1908.6, 1908.7, 1908.8
11. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318: 26.5.3-26.5.5	1908.9
12. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X	ACI 318: 26.11.2	
13. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318: 26.11.2(b)	

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	TMS 402	TMS 602
MASONRY CONSTRUCTION - LEVEL 2				
1. PRIOR TO CONSTRUCTION:				
a. VERIFICATION OF COMPLIANCE OF SUBMITTALS		X		ART. 1.5
b. VERIFICATION OF f'm		X		ART. 1.4 B
2. AS CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:				
a. PROPORTIONS OF SITE-PREPARED MORTAR		X		ART. 2.1, 2.6 A & 2.6 C
b. GRADE AND SIZE OF ANCHORAGES		X		ART. 2.4 B & 2.4 H
c. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND ANCHORAGES		X		ART. 3.4 & 3.6 A
3. PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE:				
a. GROUT SPACE		X		ART. 3.2 D & 3.2 F
b. PLACEMENT OF ANCHORAGES		X	SEC. 10.8 & 10.9	ART. 2.4 & 3.6
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS		X	SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7	ART. 3.2 E & 3.4
d. PROPORTIONS OF SITE-PREPARED GROUT		X		ART. 2.6 B & 2.4 G.1.b
4. DURING CONSTRUCTION:				
a. VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE		X		ART. 1.5 & 1.6.3
b. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		X		ART. 1.5
c. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		X		ART. 3.3 B
d. SIZE AND LOCATION OF STRUCTURAL MEMBERS		X		ART. 3.3 F
e. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		X	SEC. 1.2.1(e), 6.2.1 & 6.3.1	
f. WELDING OF REINFORCEMENT	X		SEC. 6.1.6.1.2	
g. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)		X		ART. 1.8 C & 1.8 D
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		X		ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3 & 1.4 B.4

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
WOOD FRAMING				
1. PREFABRICATED WOOD STRUCTURAL ELEMENTS		X		1704.2.5
a. METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER:				
i. TEMPORARY AND PERMANENT INSTALLATION RESTRAINT/BRACING		X		1705.5.3
2. HIGH-LOAD DIAPHRAGMS:				
a. SHEATHING GRADE AND THICKNESS		X		1705.5.1
b. MEMBER SIZES AT ADJOINING PANEL EDGES		X		1705.5.1
c. DIAPHRAGM NAILING		X		1705.5.1
3. LATERAL FORCE RESISTING SYSTEM (SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS, WHERE FASTENER SPACING AT PANEL EDGES IS 4" OR LESS):				
a. GLUING OF ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM	X			1705.12.1, 1705.13.2
b. NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE LATERAL FORCE RESISTING SYSTEM		X		1705.12.1, 1705.13.2

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
MASS TIMBER CONSTRUCTION				
4. INSPECTION OF ANCHOR AND CONNECTIONS OF MASS TIMBER CONSTRUCTION TO TIMBER DEEP FOUNDATION SYSTEMS		X		TABLE 1705.5.3
5. INSPECT ERECTION OF MASS TIMBER CONSTRUCTION		X		TABLE 1705.5.3
6. INSPECTION OF CONNECTIONS WHERE INSTALLATION METHODS ARE REQUIRED TO MEET DESIGN LOADS:				
a. THREADED FASTENERS:				
i. VERIFY USE OF PROPER INSTALLATION EQUIPMENT		X		TABLE 1705.5.3
ii. VERIFY USE OF PREDRILLED HOLES WHERE REQUIRED		X		TABLE 1705.5.3
iii. INSPECT SCREWS, INCLUDING DIAMETER, LENGTH, HEAD TYPE, SPACING, INSTALLATION ANGLE AND DEPTH		X		TABLE 1705.5.3
b. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS	X			TABLE 1705.5.3
c. ADHESIVE ANCHORS NOT DEFINED IN PRECEDING CELL		X		TABLE 1705.5.3
d. BOLTED CONNECTIONS		X		TABLE 1705.5.3
e. CONCEALED CONNECTIONS		X		TABLE 1705.5.3

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
SOILS				
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL		X		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		



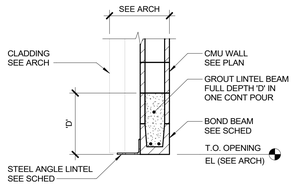
SECTION A

NOTES:

1. SEE ARCH ELEVATIONS FOR CONTROL JOINT LOCATIONS.
2. TWO COURSES OF JOINT REINF ARE REQUIRED ABOVE THE LINTEL AND BELOW THE SILL AND SHALL EXTEND A MIN OF 24 INCHES PAST THE OPENING.

1 TYPICAL CMU WALL OPENING DETAIL

3/4" = 1'-0"

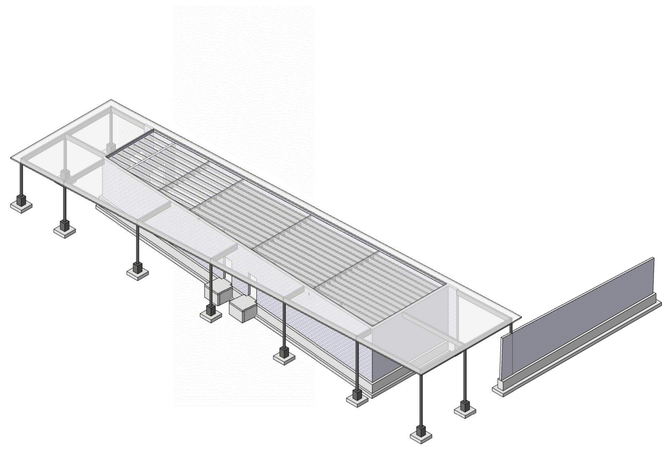


NOTES:

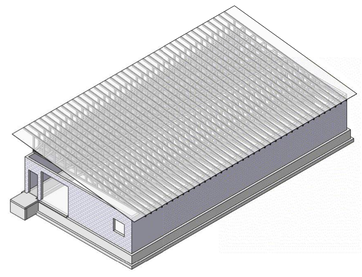
1. SEE ARCH DRAWINGS FOR INSULATION, THROUGH-WALL FLASHING, AND WEEP HOLES.
2. SHORE UNTIL GROUT FOR LINTEL HAS REACHED ITS SPECIFIED STRENGTH.

2 BOND BEAM LINTEL DETAIL

3/4" = 1'-0"



3D VIEW – FOR REFERENCE ONLY



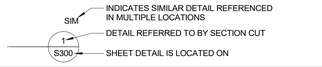
STRUCTURAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
#	NUMBER OR POUNDS
@	AT
°	DEGREE
ø	DIAMETER
(E)	EXISTING
A.B.	ANCHOR BOLT
ARCH	ARCHITECT, -URE, -URAL
B.O.	BOTTOM OF
bf	BEAM FLANGE WIDTH
BF	BRACE FRAME
BM	BEAM
B.N.	BOUNDARY NAILING
BOTT	BOTTOM
BTWN	BETWEEN
CFSF	COLD FORM STEEL FRAMING
CGS	CENTER OF GRAVITY OF THE TENDON
CJP	COMPLETE JOINT PENETRATION WELD
CLR	CLEAR
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATION
DIA	DIAMETER
DL	DEAD LOAD
DET	DETAIL
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EFF	EFFECTIVE
EL	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT
E.N.	EDGE NAILING
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
f 'c	CONCRETE COMPRESSIVE STRENGTH
FDN	FOUNDATION
F.N.	FIELD NAILING
FT	FOOT
FTG	FOOTING
Fy	YIELD STRESS
GA	GAGE OR GAUGE
GALV	GALVANIZED
GLB	GLULAM BEAM
GT	GIRDER TRUSS
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGTH BOLT
JT	JOINT
K, KIP	KILOPOUND (1,000 POUNDS)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH
LBS	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LT WT	LIGHTWEIGHT
MAX	MAXIMUM
MECH	MECHANICAL
MANUF	MANUFACTURER
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PCF	POUNDS PER CUBIC FOOT
P.H.	PENTHOUSE
PJP	PARTIAL JOINT PENETRATION WELD
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSION, -ED, -ING
R	RADIUS
REINF	REINFORCING, -MENT, -ED
REQD	REQUIRED
RTU	ROOF TOP UNIT
SC	SLIP CRITICAL
SCHED	SCHEDULE
SFRS	SEISMIC FORCE-RESISTING SYSTEM
SIM	SIMILAR
SL	SNOW LOAD
S.M.S.	SHEET METAL SCREW
SP	SPACE(S)
SPECS	SPECIFICATION(S)
SQ	SQUARE
STIFF	STIFFENER
STL	STEEL
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T.O.	TOP OF
TC	PRE-TENSIONED BOLT
TEMP	TEMPERATURE
tf	BEAM FLANGE THICKNESS
THK	THICK
TRANS	TRANSVERSE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WITH
WP	WORK POINT
WT	WEIGHT
WWR	WELDED WIRE REINFORCING

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED. SPECIFIC TO THE SHEET AND/OR DETAIL

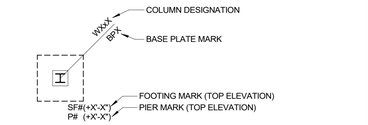


LINE TYPE KEY:

- NEW WORK (DARK SOLID LINE/LINE WEIGHT WILL VARY)
- NEW WORK BELOW OR BEYOND VIEW (DARK DASH LINE)
- EXISTING TO BE REMOVED (DARK DASH LINE)
- EXISTING WORK TO REMAIN (HALFTONED SOLID LINE/LINE WEIGHT WILL VARY)
- NON STRUCTURAL (HALFTONED LIGHT SOLID LINE)
- GRID OR CENTERLINE

MATERIAL LEGEND:

- CONCRETE - CAST-IN-PLACE
- CONCRETE - EXISTING
- EARTH
- GRAVEL OR GRANULAR FILL
- GROUT OR DRYPACK OR SAND
- MASONRY
- METAL / COLD-FORM STUD
- PRECAST CONCRETE
- STEEL



STRUCTURAL SYMBOL LIST

GENERAL SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
(+16'-3")	TOP OF STRUCTURAL FRAMING ABOVE ELEVATION (+0'-0")	N/A
(-2'-0")	TOP OF STRUCTURAL FOUNDATION BELOW ELEVATION (+0'-0")	N/A

FOUNDATION SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
-1"	SLAB DEPRESSION	

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TESTING, INSPECTIONS AND ABBREVIATIONS

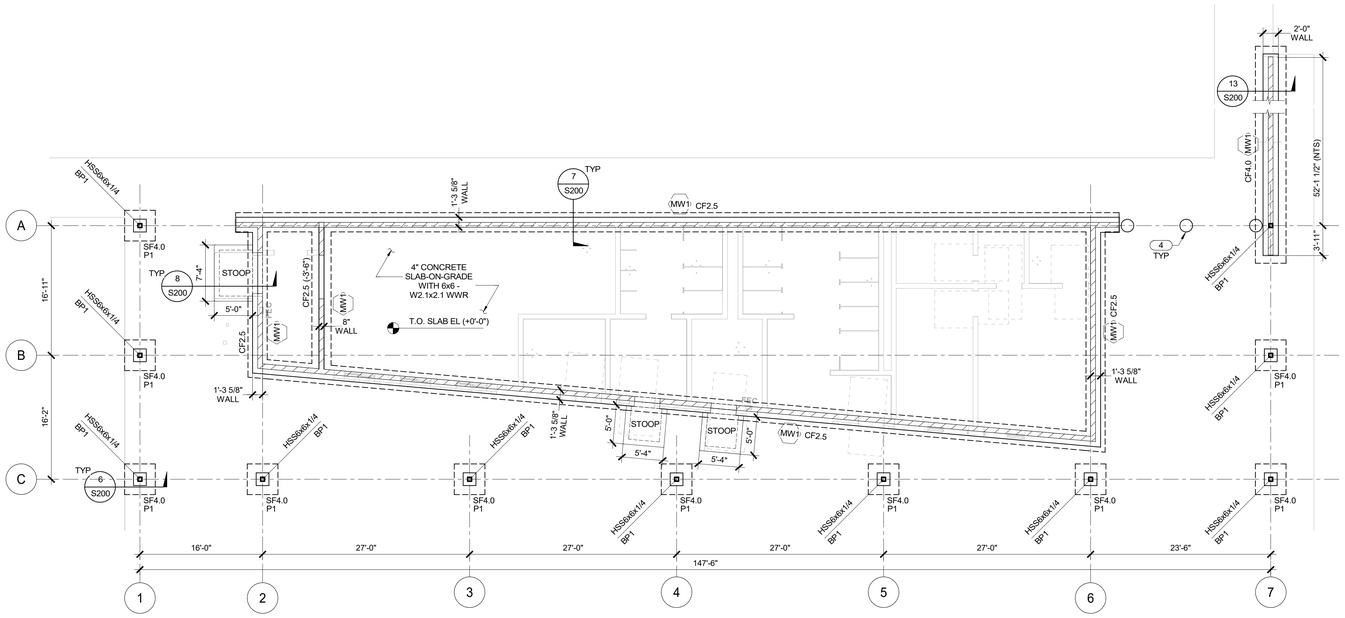
S001

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

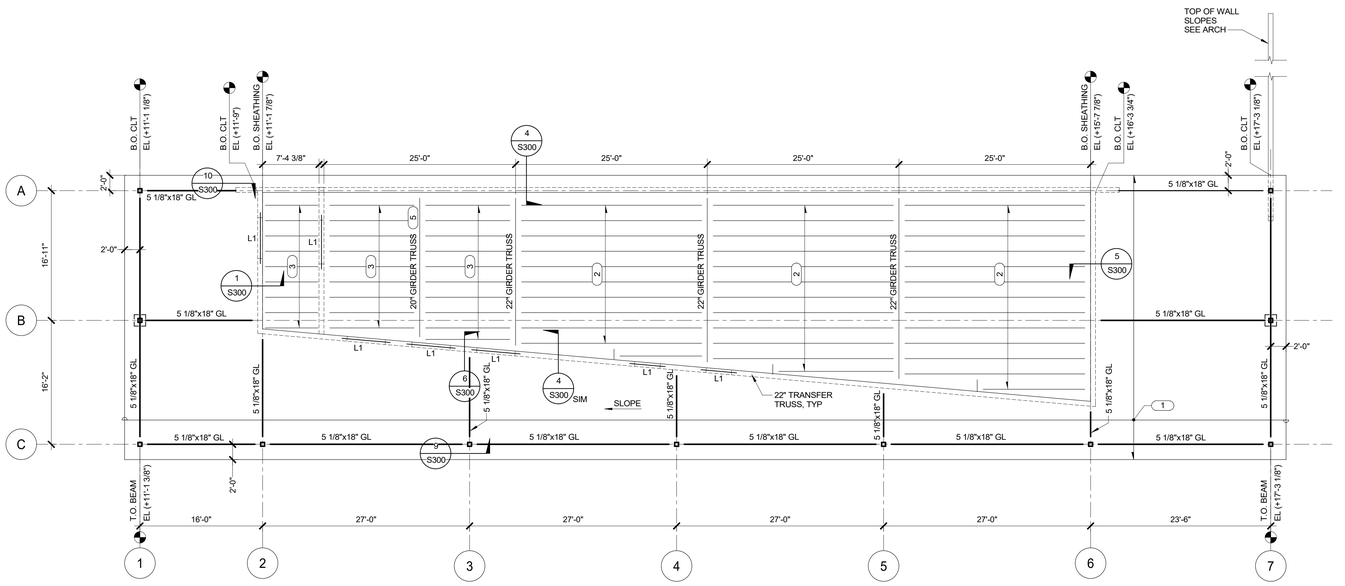
0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 11:12:00 AM
Autodesk Docs://22038 Grimesplex/S22_23000288.00_GrimesPlex - IA-Grimes Concessions_C.rvt



1 FOUNDATION PLAN - CONCESSIONS

1/8" = 1'-0"



2 ROOF FRAMING PLAN - CONCESSIONS

1/8" = 1'-0"

NOTES:

1. SEE S200 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF FOOTING EL (-3'-6") UNO.
3. TOP OF FOUNDATION WALL EL (-0'-8") UNO.
4. TOP OF PIER EL (-1'-0") UNO. SEE 5/S200.
5. SEE 12/S200 FOR BASE PLATE DETAIL.
6. PROVIDE 2'-6" x 2'-6" CORNER BARS FOR FOOTING AND WALL INTERSECTIONS. BAR SIZE AND QUANTITY TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
7. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE 10 AND 11/S200.
8. SEE S100 FOR CMU WALL SCHEDULE.
9. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.
10. ROOF SHEATHING = 5/8" OSB SHEATHING - SEE GENERAL NOTES FOR FASTENING AND STRENGTH REQUIREMENTS. SEE 3/S300 FOR TYPICAL DETAIL.
11. SEE S100 FOR LINTELS IN STRUCTURAL CMU WALLS AND S000 FOR NON-STRUCTURAL WALLS.
12. TRUSS MANUFACTURER TO DESIGN FOR 24" OC SPACING. TRUSS LAYOUT ON PLAN IS SCHEMATIC.
13. TRUSS MANUFACTURER TO COORDINATE ALL OPENINGS WITH MECHANICAL. PROVIDE FRAMING AS REQUIRED.
14. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND ATYPICAL SPANS. GENERAL CONTRACTOR SHALL COORDINATE WEB OPENING MIS-ALIGNMENT WITH MEP ROUTING.
15. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING.

KEYNOTES: (#)

1. CROSS-LAMINATED TIMBER PANELS, INDUSTRIAL GRADE, 3 PLY, 4 1/8" THICK.
2. WOOD TRUSS AT 24" OC. SEE 3/S100 FOR DIAGRAM.
3. 2x10 AT 24" OC.
4. 1'-8"Ø SONOTUBE x 3'-6" DEEP, UNREINFORCED, AT FENCE/GATE POST. SEE CIVIL FOR LOCATIONS.
5. DUCTWORK TO PASS THROUGH TRUSS WEB. SEE MECHANICAL FOR SIZE AND LOCATION.

FOUNDATION WALL REINFORCING SCHEDULE

WALL THICKNESS	HORIZONTAL		VERTICAL		REMARKS
	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	
1'-0" TO 1'-4"	#5 @ 12" OC	#5 @ 12" OC	#5 @ 12" OC	#5 @ 12" OC	-
1'-5" TO 2'-0"	#5 @ 8" OC	#5 @ 8" OC	#5 @ 12" OC	#5 @ 12" OC	-

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF2.5	2'-6"	1'-0"	(3) #5	-
CF4.0	4'-0"	1'-0"	(4) #5	#5 @ 12" OC

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5

CMU WALL REINFORCING SCHEDULE

MARK (MW#)	WALL THICKNESS	VERTICAL WALL REINFORCING SIZE AND SPACING	HORIZONTAL WALL REINFORCING SIZE AND SPACING
MW1	8"	#5 @ 48" OC	TYP @ 16" OC

NOTES:

1. TYP HORIZ REINF PER SPECIFICATIONS AND IS INTENDED TO BE A 'DUROWALL - TRUSS TYPE' OR EQUIVALENT.
2. 'GROUT ALL CORES' INDICATES EVERY REINFORCED CORE AND UNREINFORCED CORE.
3. REINFORCED CORES ARE ALWAYS GROUTED.
4. SEE 1/S001 FOR TYP CMU DETAILING.

LINTEL SCHEDULE

MARK	MEMBER SIZE	REFERENCE DETAIL	REMARKS
L1	8" DEEP BOND BEAM WITH (2) #5	2/S001	-
L2	16" DEEP BOND BEAM WITH (2) #5	2/S001	-

NOTE:

1. BEARING LENGTH EACH END = 8" UON.

NOTES:

1. DESIGN TRUSS FOR THE FOLLOWING SERVICE LOADS:
   TOP CHORD DL = 15 PSF
   BOTTOM CHORD DL = 5 PSF
   TOP CHORD SL = 25 PSF
   TOP CHORD UPLIFT WL = 5 PSF

3 ROOF TRUSS DIAGRAM

3/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

CONCESSIONS BUILDINGS PLANS

S100

IMEG 2882 106TH STREET DES MOINES, IA 50322 P: 515.334.9906 F: 515.334.9908 www.imegcorp.com

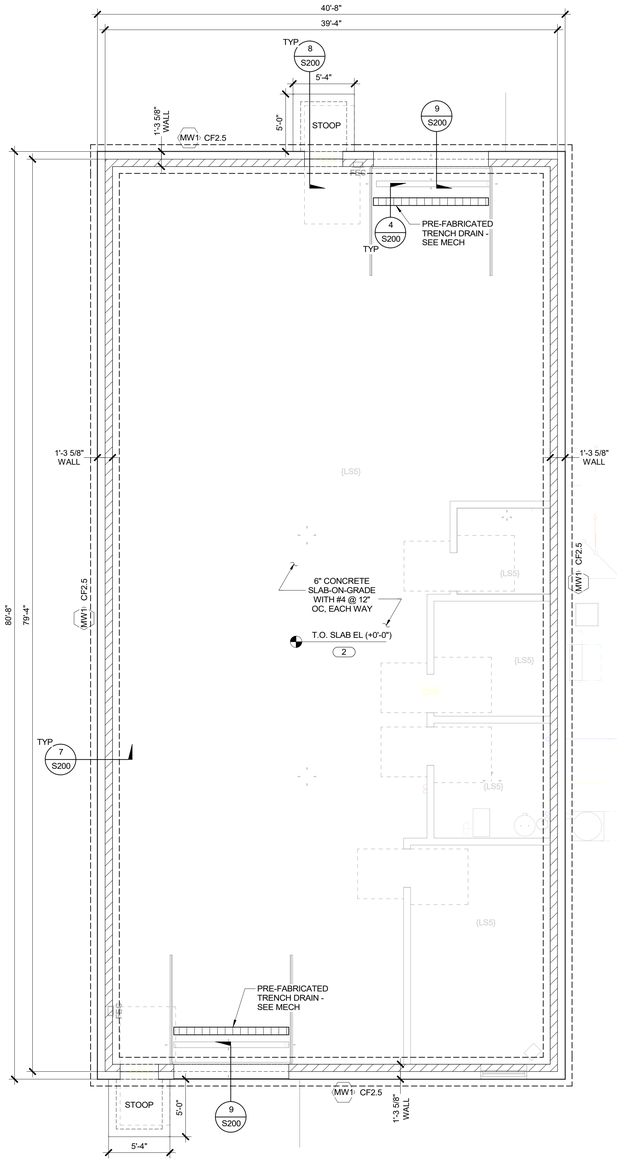
IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES PROJECT #2300028.00

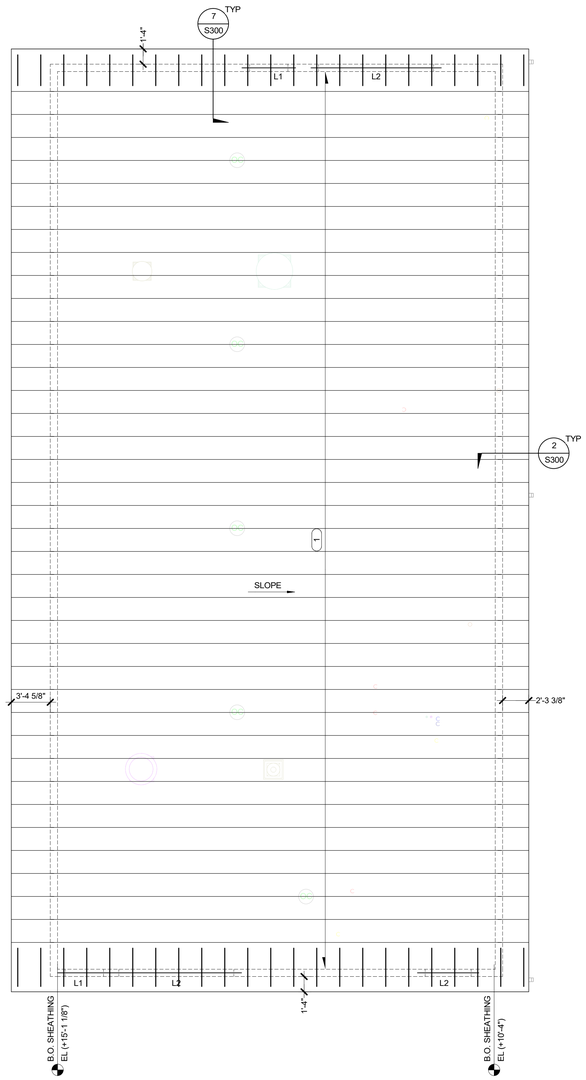
4/25/2023 11:12:09 AM
Autodesk Docs://22038 Grimesplex/S22_23000288.00_GrimesPlex - IA-Grimes Concessions_Cr.rvt

NOTES:
1. SEE S200 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
2. TOP OF EXTERIOR FOOTING EL (-3'-6") UNO.
3. TOP OF FOUNDATION WALL EL (+0'-0") UNO.
4. PROVIDE 2'-6" x 2'-6" CORNER BARS FOR WALL INTERSECTIONS. BAR SIZE TO MATCH LONGITUDINAL AND HORIZONTAL BARS.
5. PROVIDE THICKENED SLAB UNDER ALL NON-STRUCTURAL
   CMU WALLS - SEE 14/S300 FOR DETAIL AND ARCHITECTURAL PLANS FOR EXTENT AND LOCATIONS.
6. FOR PIPING AND CONDUIT THROUGH FOUNDATIONS, SEE 10 AND 11/S200.
7. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT GIVEN HERE.
8. SEE S100 FOR CMU WALL SCHEDULE.
9. SEE S100 FOR LINTELS IN STRUCTURAL CMU WALLS AND S000 FOR NON-STRUCTURAL WALLS.
10. TRUSS MANUFACTURER TO DESIGN FOR 24" OC SPACING. TRUSS LAYOUT ON PLAN IS SCHEMATIC.
11. TRUSS MANUFACTURER TO COORDINATE ALL OPENINGS WITH MECHANICAL. PROVIDE FRAMING AS REQUIRED.
12. TRUSS MANUFACTURER IS RESPONSIBLE FOR MAINTAINING WEB OPENING ALIGNMENT BETWEEN ADJACENT TRUSSES AT TYPICAL AND ATYPICAL SPANS. GENERAL CONTRACTOR SHALL COORDINATE WEB OPENING MIS-ALIGNMENT WITH MEP ROUTING.
13. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING STRONGBACK LOCATIONS BETWEEN TRUSS SUPPLIER AND MEP ROUTING.
14. ROOF SHEATHING = 5/8" OSB SHEATHING - SEE GENERAL NOTES FOR SHEATHING AND STRENGTH REQUIREMENTS. SEE 3/S300 FOR TYPICAL DETAIL.

KEYNOTES: (#)
1. WOOD TRUSS AT 24" OC. SEE 3/S101 FOR DIAGRAM.
2. SLAB SLOPES IN VARIOUS LOCATIONS FOR DRAINAGE. SEE ARCHITECTURAL FOR SLOPED AREAS.



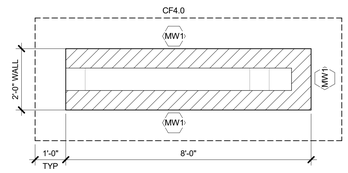
NORTH 1 **FOUNDATION PLAN - MAINTENANCE BUILDING**
3/16" = 1'-0"



NORTH 2 **ROOF FRAMING PLAN - MAINTENANCE BUILDING**
3/16" = 1'-0"

NOTES:
1. DESIGN TRUSS FOR THE FOLLOWING SERVICE LOADS:
   TOP CHORD DL = 15 PSF
   BOTTOM CHORD DL = 5 PSF
   TOP CHORD SL = 25 PSF
   TOP CHORD UPLIFT WL = 5 PSF

3 **ROOF TRUSS DIAGRAM**
3/4" = 1'-0"



4 **MONUMENT SIGN FOUNDATION PLAN**
1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The Power To Build Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

MAINTENANCE BUILDING PLANS

S101

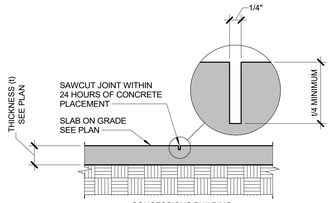
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

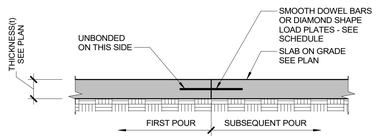
4/25/2023 11:12:15 AM
Autodesk Docs://22038 Grimesplex/S22_23000288.00_GrimesPlex - IA-Grimes Concessions_C.rvt



NOTES:

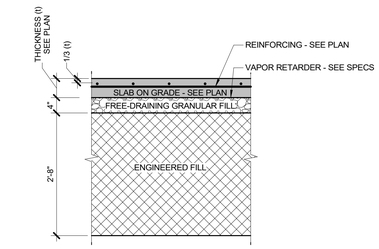
1. SEE CAST-IN-PLACE CONCRETE GENERAL NOTES CONCERNING LOCATION OF JOINTS.

1 TYPICAL CONTROL JOINT
3/4" = 1'-0"



SLAB THICKNESS	SMOOTH DOWEL BAR	DIAMOND SHAPE LOAD PLATES
4"	1/2"Ø x 1'-4" @ 18" OC	1/4"x4 1/2" x 0'-4 1/2" @ 18" OC
5"	3/4"Ø x 1'-4" @ 12" OC	
6"		
> 6"	1"Ø x 1'-4" @ 12" OC	3/8"x4 1/2" x 0'-4 1/2" @ 18" OC

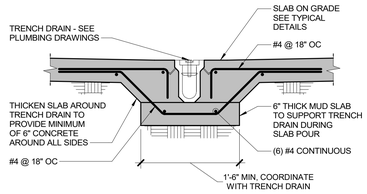
2 TYPICAL CONSTRUCTION JOINT
3/4" = 1'-0"



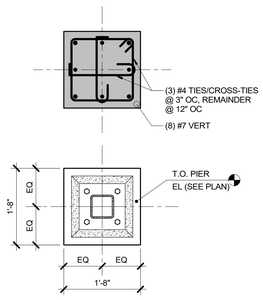
NOTES:

1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.

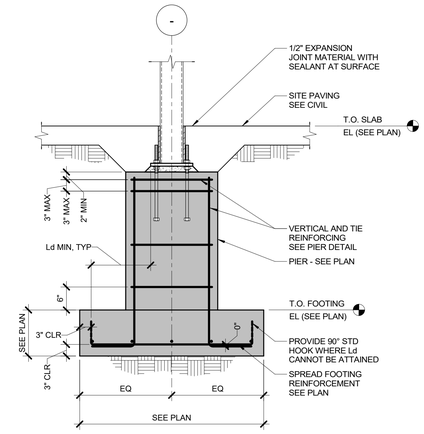
3 TYPICAL SLAB SECTION
3/4" = 1'-0"



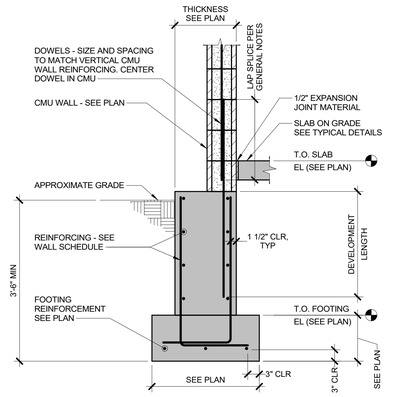
4 TRENCH DRAIN DETAIL
3/4" = 1'-0"



5 STANDALONE PIER (P1) DETAIL
3/4" = 1'-0"



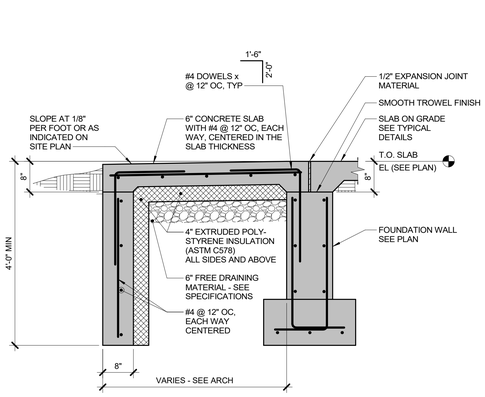
6 COLUMN ON PIER/FOOTING DETAIL
3/4" = 1'-0"



NOTE:

1. FOR HEIGHTS EXCEEDING 4'-0", EACH SIDE OF THE WALL SHALL BE BACKFILLED AT THE SAME TIME.

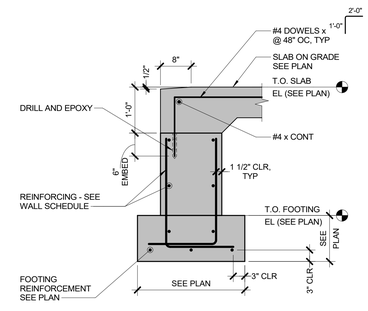
7 TYPICAL PERIMETER FROST WALL
3/4" = 1'-0"



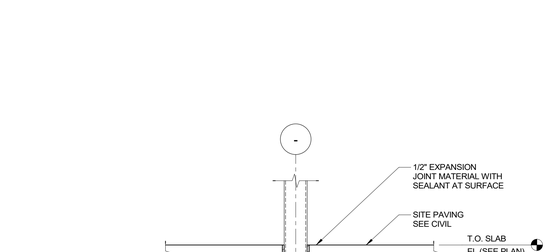
NOTE:

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT STOOP LAYOUT AND LOCATIONS.

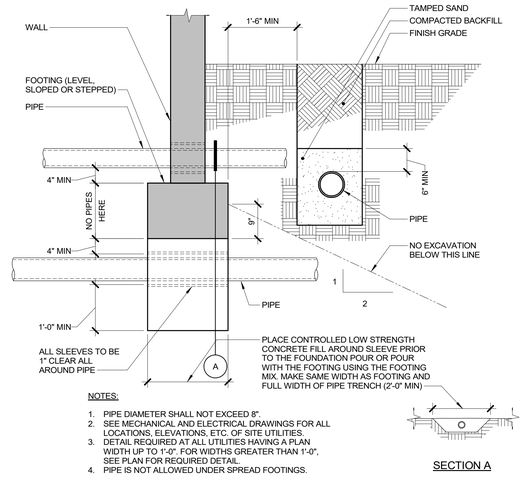
8 TYPICAL STOOP DETAIL
3/4" = 1'-0"



9 SLAB EDGE AT GARAGE DOOR
3/4" = 1'-0"



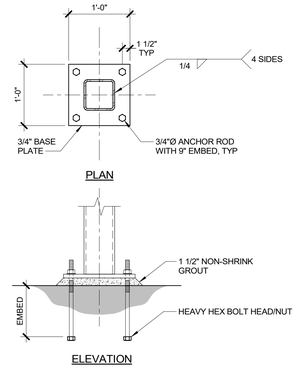
10 PIPE THROUGH FOOTING DETAIL
3/4" = 1'-0"



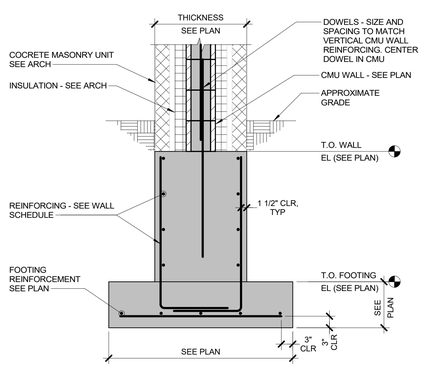
NOTES:

1. PIPE DIAMETER SHALL NOT EXCEED 8".
2. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC. OF SITE UTILITIES.
3. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 1'-0". FOR WIDTHS GREATER THAN 1'-0", SEE PLAN FOR REQUIRED DETAIL.
4. PIPE IS NOT ALLOWED UNDER SPREAD FOOTINGS.

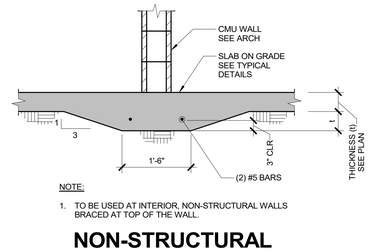
11 TYPICAL PIPE TRENCH DETAIL
3/4" = 1'-0"



12 HSS COLUMN BASE PLATE (BP1)
1" = 1'-0"



13 CONCRETE WALL DETAIL
3/4" = 1'-0"



NOTE:

1. TO BE USED AT INTERIOR, NON-STRUCTURAL WALLS BRACED AT TOP OF THE WALL.

14 NON-STRUCTURAL CMU WALL DETAIL
3/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The HIVE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

FOUNDATION DETAILS

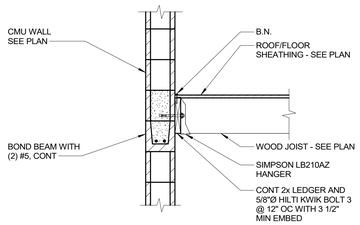
S200

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

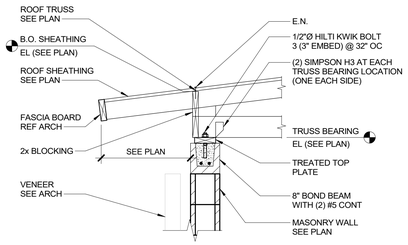
IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

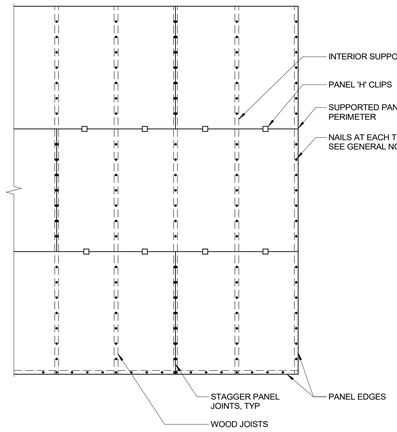
4/25/2023 11:12:18 AM
Autodesk Docs://22038 Grimesplex/S22_23000288.00_GrimesPlex - IA-Grimes Concessions_C.rvt



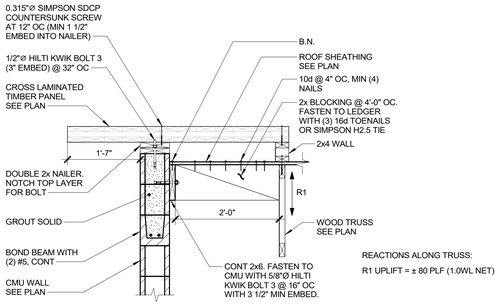
1 WOOD JOIST BEARING AT CMU WALL
3/4" = 1'-0"



2 TRUSS BEARING AT EXTERIOR WALL
3/4" = 1'-0"



3 ROOF SHEATHING LAYOUT AND FASTENING
1/2" = 1'-0"



4 WOOD JOIST PARALLEL TO CMU WALL
3/4" = 1'-0"

5 WOOD JOIST BEARING AT CMU WALL
3/4" = 1'-0"

6 WOOD BEAM BEARING AT CMU WALL
3/4" = 1'-0"

7 OUTRIGGER DETAIL
3/4" = 1'-0"

8 TYPICAL CLT PANEL - SIDE JOINT
1" = 1'-0"

9 WOOD BEAM AT STEEL COLUMN
1 1/2" = 1'-0"

10 GLU-LAM BEAM TO CMU CONNECTION
3/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG
The FUTURE. Built Smarter
www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

STRUCTURAL DETAILS

S300

IMEG
2892 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

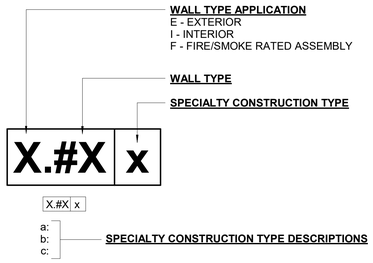
4/25/2023 11:12:22 AM
Autodesk Docs://22038 Grimesplex/S22_23000288.00_GrimesPlex - IA-Grimes Concessions_C.rvt

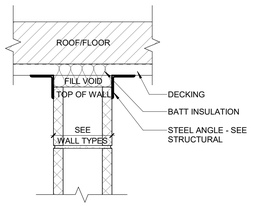
WALL TYPE NOTES:

1. ALL INTERIOR WALLS SHALL RUN TO, AND SEAL TO STRUCTURAL DECKING, UNLESS NOTED OTHERWISE

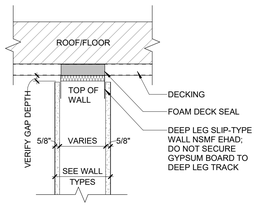
2. INSTALL ACOUSTICAL SEALANT AT THE BASE AND HEAD OF ALL INTERIOR AND EXTERIOR WALLS, UNLESS NOTED OTHERWISE.

WALL TAG LEGEND

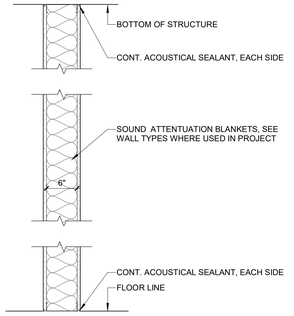




TYPICAL CEILING AT T.O.W. NON-BEARING CMU



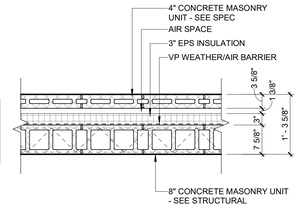
TYPICAL CEILING AT T.O.W. NON-BEARING STUDS



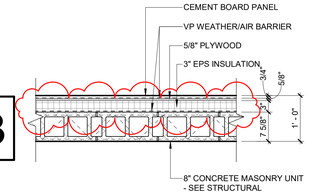
TYPICAL INTERIOR PARTITION

EXTERIOR WALL TYPES

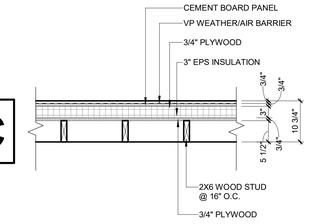
E.2A



E.2B

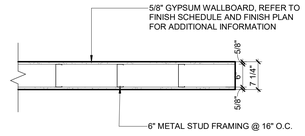


E.2C

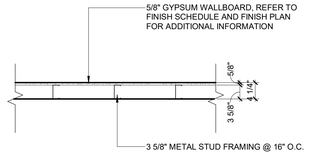


INTERIOR WALL TYPES

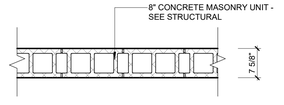
I.1A



I.1B



I.2A



SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

TBD	Revision 1

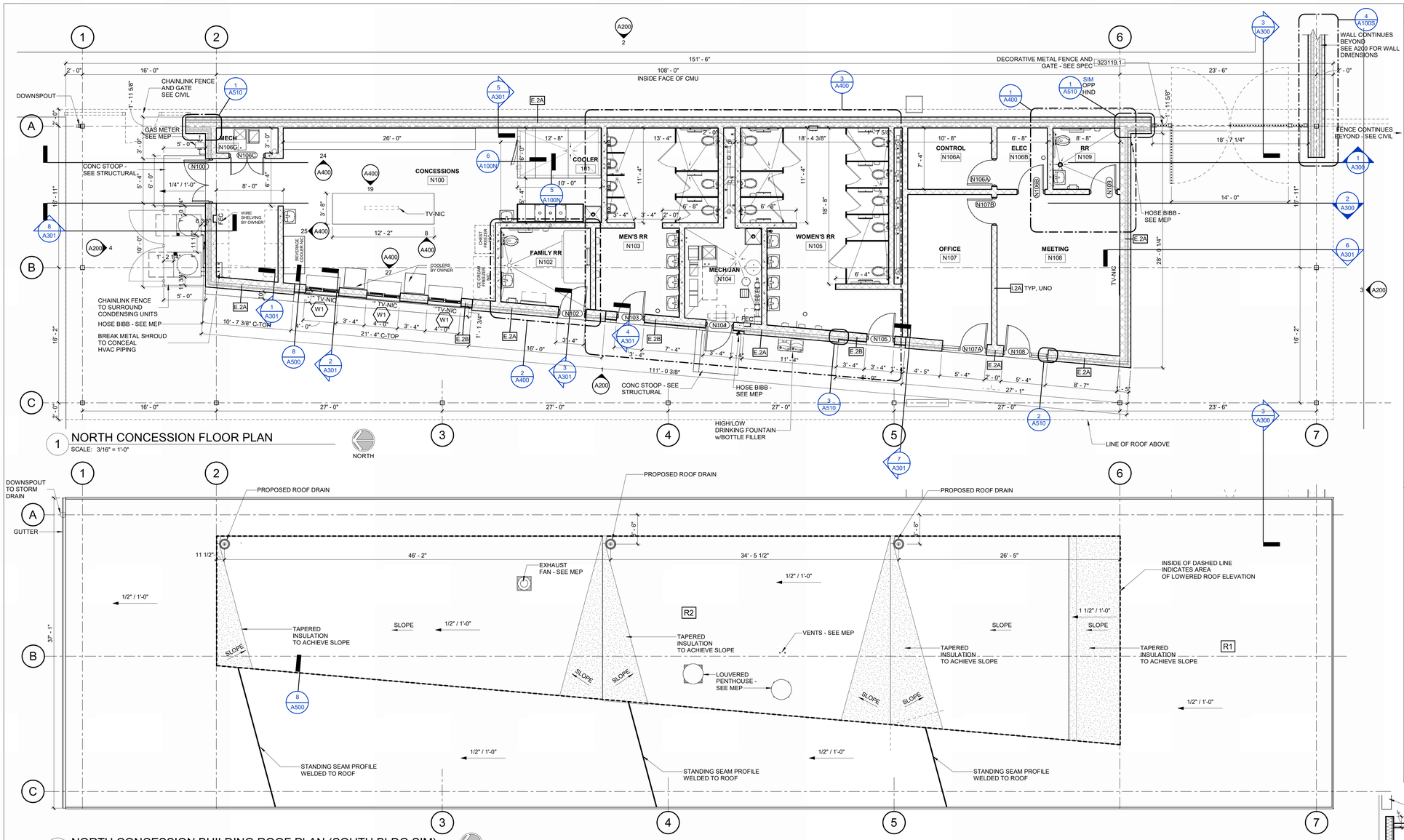
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

WALL TYPES

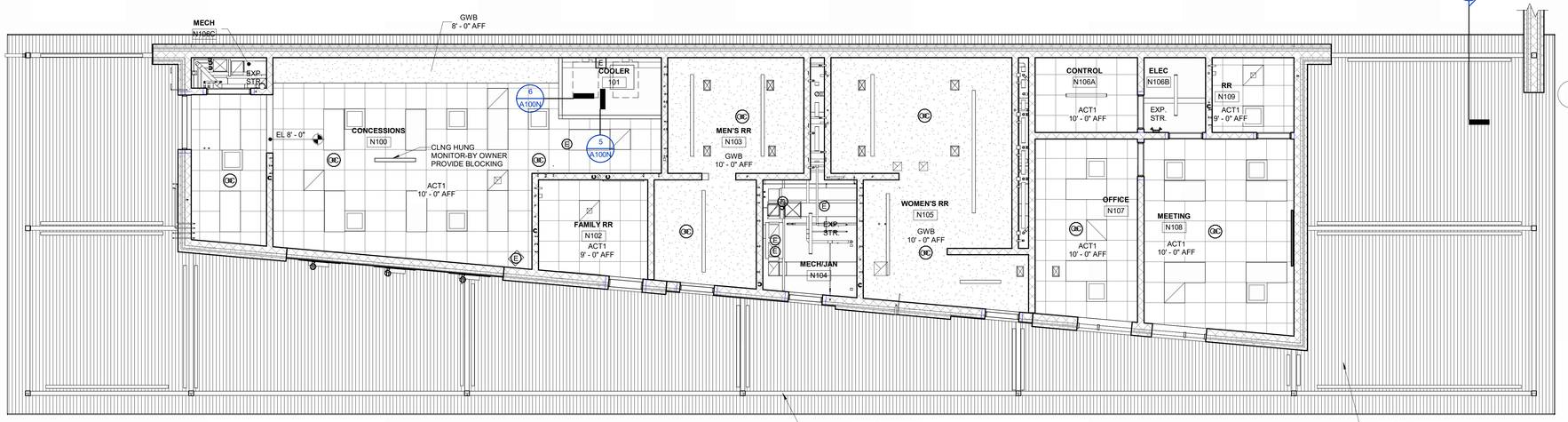
A001

4/26/2023 8:11:59 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



1 NORTH CONCESSION FLOOR PLAN
SCALE: 3/16" = 1'-0"

2 NORTH CONCESSION BUILDING ROOF PLAN (SOUTH BLDG SIM)
SCALE: 3/16" = 1'-0"

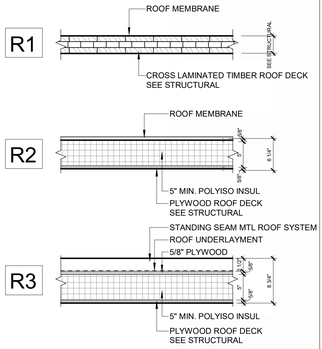


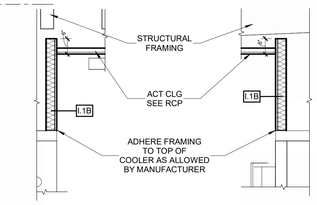
3 NORTH CONCESSION BUILDING REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL FLOOR PLAN SHEETS
2. FLOOR SPOT ELEVATIONS ARE SHOWN THUS +0'-0" ON THE FLOOR PLAN.
   ELEVATION OF NORTH CONCESSIONS: +0-0" = 939.25
   ELEVATION OF SOUTH CONCESSIONS: +0-0" = 940.80
   ELEVATION OF MAINTENANCE BUILDING: +0-0" = 938.95
3. ALL INTERIOR METAL STUD WALLS INDICATED TO HAVE ACOUSTICAL INSULATION, PROVIDE FULL DEPTH OF CAVITY AND EXTEND THE FULL HEIGHT OF WALL.
4. ALL DIMENSIONS ARE TO FACE OF FINISHED WALLS, FACE OF CMU WALLS, OR CENTERLINE OF STRUCTURE/COLUMNS, UNO.
5. PROVISIONS SHALL BE MADE AT FULL HEIGHT NONBEARING WALLS FOR POTENTIAL VERTICAL MOVEMENT OF BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSION LOADS TO WALL. VERIFY USE OF SLIP TRACK CONNECTIONS AT TOP OF WALL WITH STRUCTURAL.
6. GENERAL CONTRACTOR TO PROVIDE WOOD BLOCKING IN METAL STUD PARTITIONS FOR PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS (IE: TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, ETC.) TV MOUNTING BRACKETS SHALL BE FURNISHED AND INSTALLED BY OWNER. GENERAL CONTRACTOR TO COORDINATE LOCATIONS WITH OWNER AND PROVIDE BLOCKING AS REQUIRED.
7. GYPSUM BOARD ASSEMBLIES SHALL HAVE CONTROL JOINTS PROVIDED IN ACCORDANCE WITH INDUSTRY STANDARDS, MANUFACTURERS' RECOMMENDATIONS, AND SHALL BE LOCATED WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN PROJECT MANUAL.
8. DIMENSIONS FOR DOOR AND WINDOW OPENINGS ARE NOMINAL. VERIFY AND ALLOW RECOMMENDED SHIM AND SEALANT GAPS AS REQUIRED AT DOOR AND WINDOW FRAMES.
9. FLOOR FINISHES, WALL COVERINGS, PAINT FINISHES, AND ACOUSTICAL WALL TREATMENTS TO BE INSTALLED BEFORE INSTALLATION OF CASEWORK OR MILLWORK
10. CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS AND CABINETS AS REQUIRED BY CODE, LOCAL AUTHORITIES HAVING JURISDICTION, AND AS NOTED ON DRAWINGS AND PROJECT MANUAL.
11. GENERAL CONTRACTOR SHALL VERIFY LOCATION, MOUNTING HEIGHT, AND BLOCKING REQUIREMENTS OF BRACKETS FOR WALL MOUNTED TV AND VIDEO EQUIPMENT.
12. DOOR OPENINGS SHALL BE INSTALLED SUCH THAT THE EDGE OF THE HINGE JAMB IS 4" AWAY FROM THE ADJACENT PERPENDICULAR WALL IN CMU ASSEMBLIES AND GYP BD. WALL ASSEMBLIES TYPICAL, UNO
13. CONTRACTOR SHALL PROVIDE A CONCRETE STOOP WITH POSITIVE DRAINAGE AWAY FROM BUILDING, CONSTRUCTED ON FROST FOOTINGS AT ALL OUTSWINGING EXTERIOR DOOR LOCATIONS, SEE PLANS AND STRUCTURAL SHEETS FOR ADDITIONAL DETAIL. THRESHOLDS TO INCLUDE 2" RIGID INSULATION AND FIBERGLASS ANGLE FOR ANCHORING THE THRESHOLD. SEE DRAWINGS FOR FURTHER DETAILS.
14. CONCRETE FLOORS SHALL SLOPE TO FLOOR DRAINS WHERE INDICATED. SLOPE FLOORS TO DRAIN, NOT TO EXCEED 2% SLOPE TO MAXIMUM SLOPES TO COMPLY WITH ADA AND LOCAL CODES. SEE DRAWINGS FOR ADDITIONAL INFORMATION.

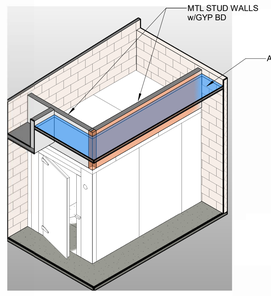
ROOF TYPES





5 T.O. COOLER DETAIL
SCALE: 1/2" = 1'-0"

6 T.O. COOLER DETAIL
SCALE: 1/2" = 1'-0"



4 COOLER 3D
SCALE:

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

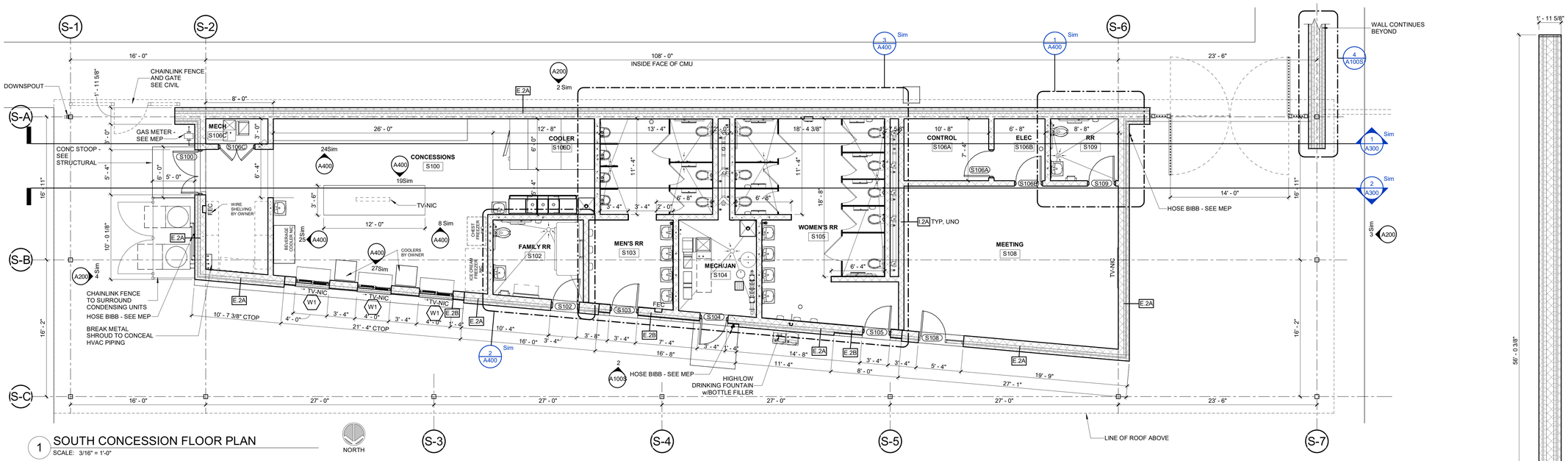
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

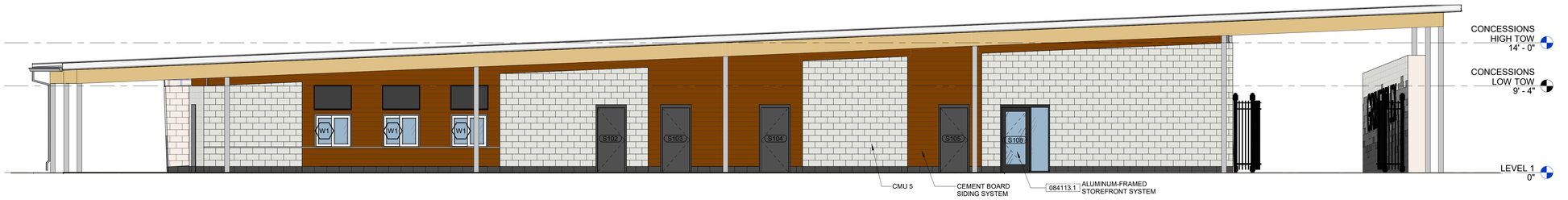
NORTH CONCESSION BUILDING PLANS

A100N

4/26/2023 8:12:07 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

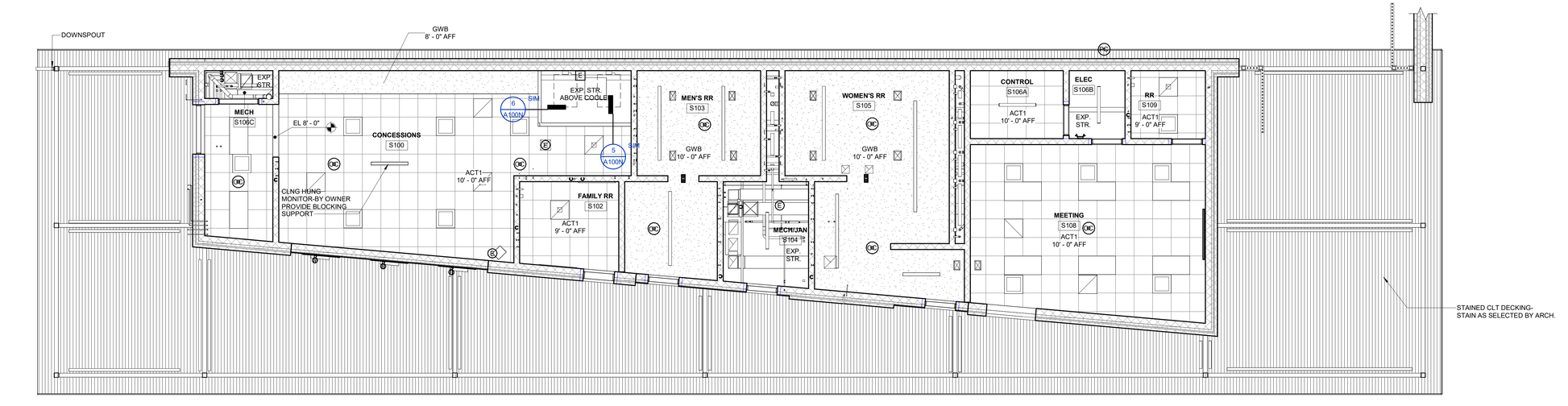


1 SOUTH CONCESSION FLOOR PLAN
SCALE: 3/16" = 1'-0"



2 SOUTH CONCESSION - NORTH ELEVATION
SCALE: 3/16" = 1'-0"

*NOTE: OTHER ELEVATIONS SIMILAR TO NORTH CONCESSION BUILIDING (SEE SHEET A200)



3 SOUTH CONCESSION BUILDING REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

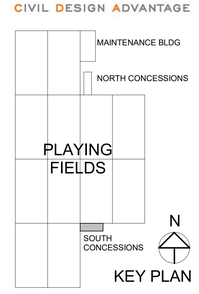
4 FREE STANDING WALL - TYPICAL
SCALE: 1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE



GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

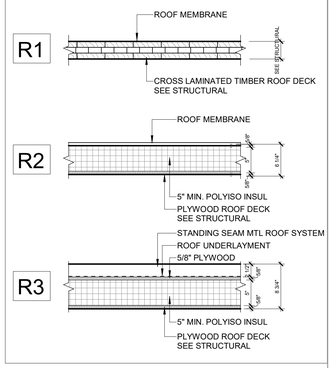
PROJECT NUMBER
22038

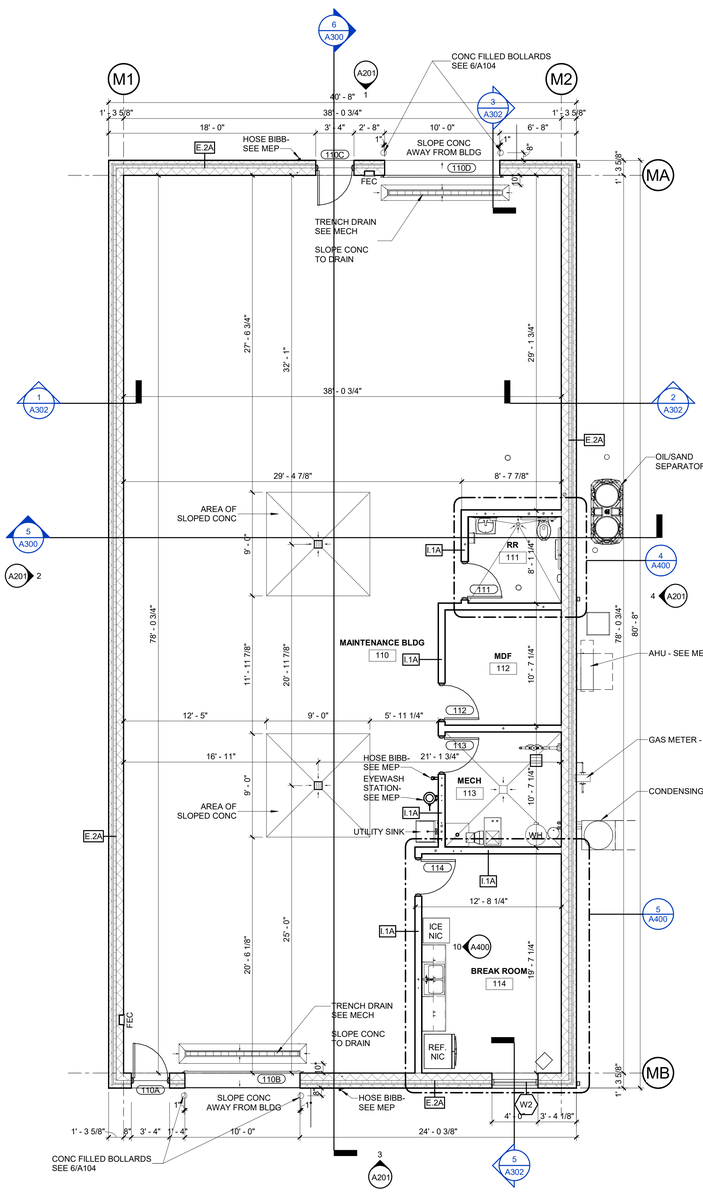
SOUTH CONCESSION BUILDING PLANS

A100S

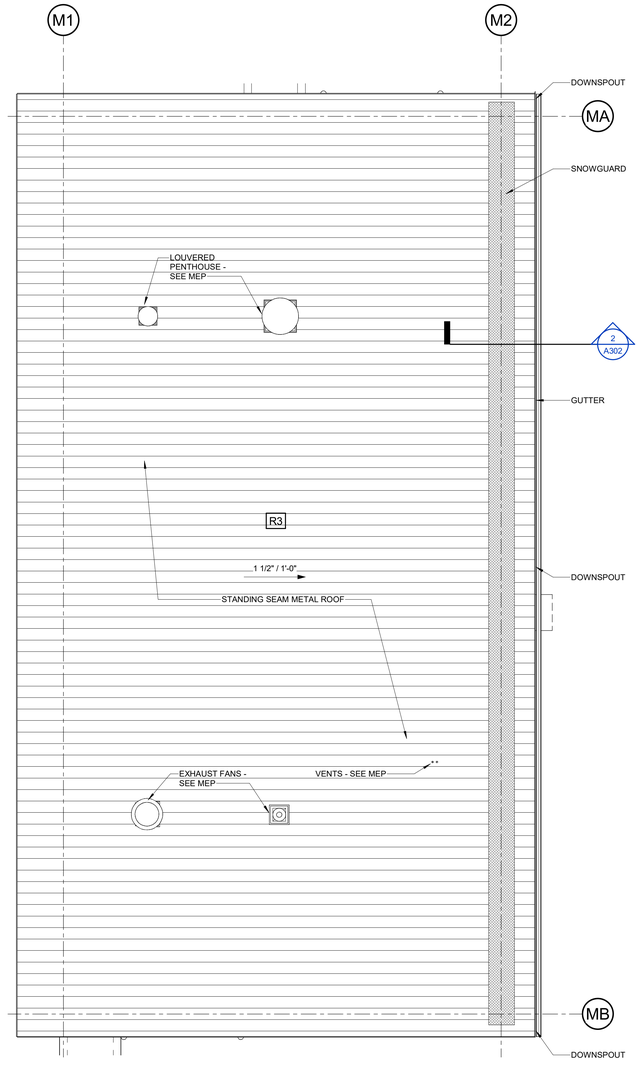
4/26/2023 8:12:13 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

ROOF TYPES

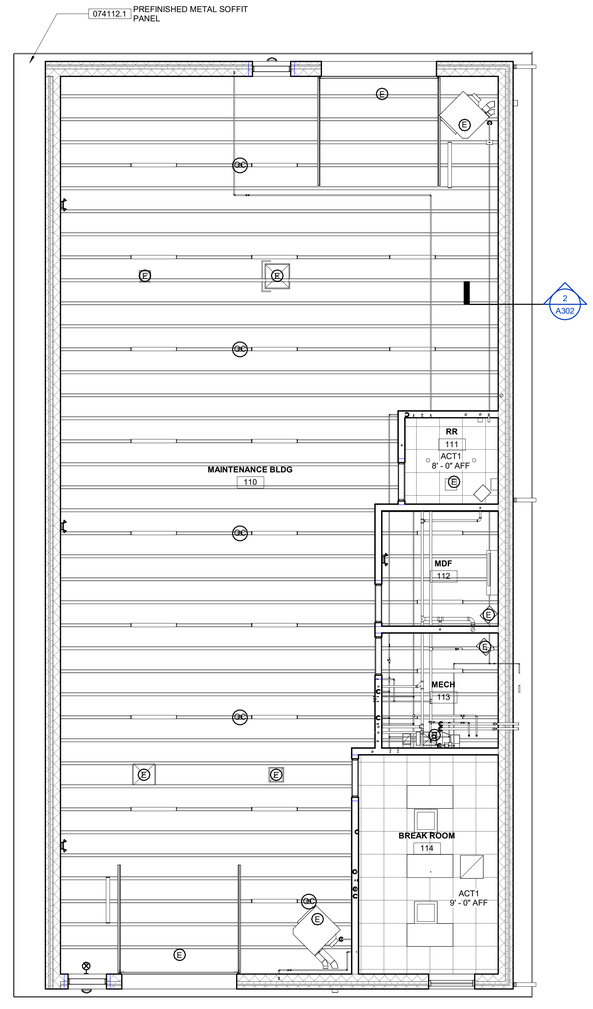




1 MAINTENANCE BUILDING PLAN
SCALE: 3/16" = 1'-0"



2 MAINTENANCE BUILDING ROOF PLAN
SCALE: 3/16" = 1'-0"



3 MAINTENANCE BUILDING REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

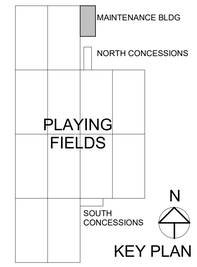
NORTH

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE



KEY PLAN

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

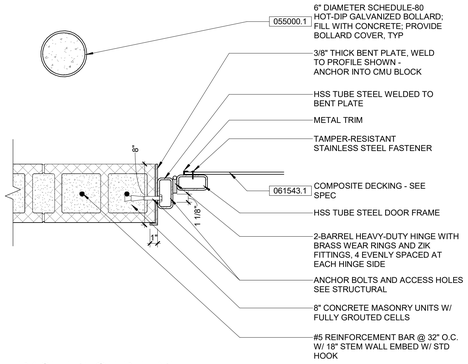
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

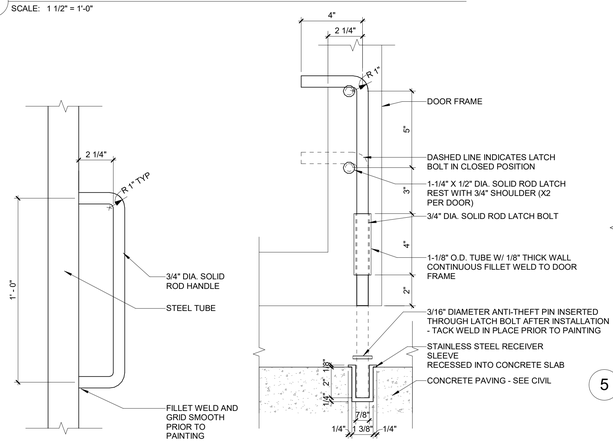
MAINTENANCE BUILDING PLANS

A101

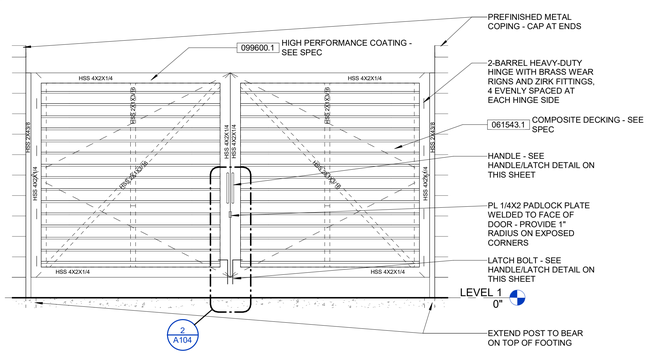
4/26/2023 8:12:16 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



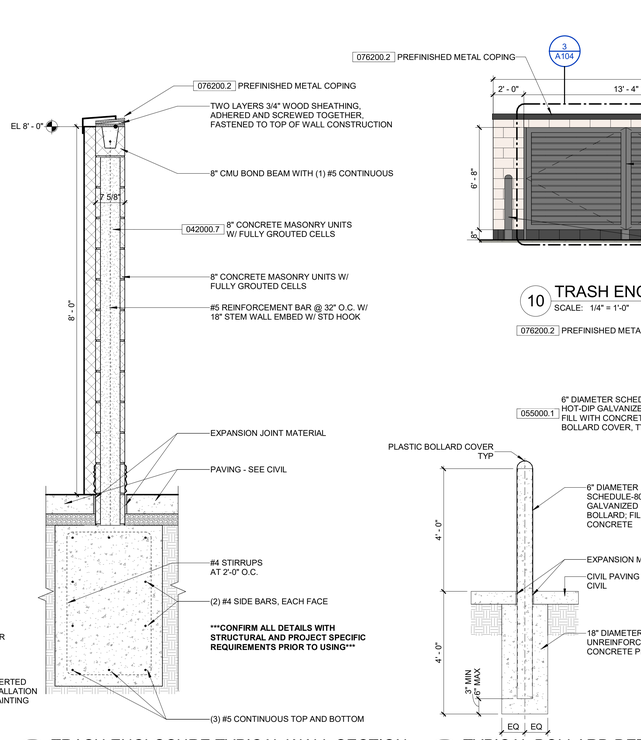
1 TRASH HINGE DETAIL
SCALE: 1 1/2" = 1'-0"



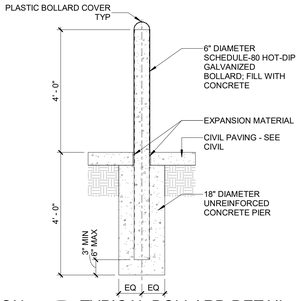
2 HANDLE / LATCH DETAILS
SCALE: 3" = 1'-0"



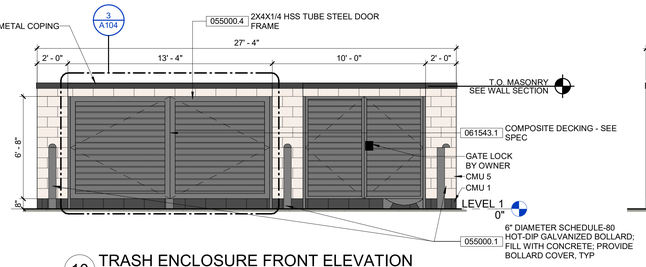
3 TRASH ENCLOSURE DOOR ELEVATION DETAIL
SCALE: 1/2" = 1'-0"



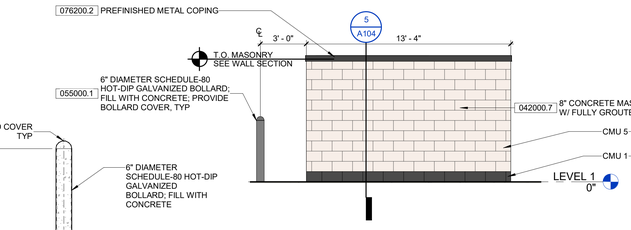
5 TRASH ENCLOSURE TYPICAL WALL SECTION
SCALE: 3/4" = 1'-0"



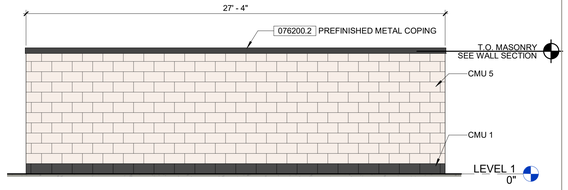
6 TYPICAL BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



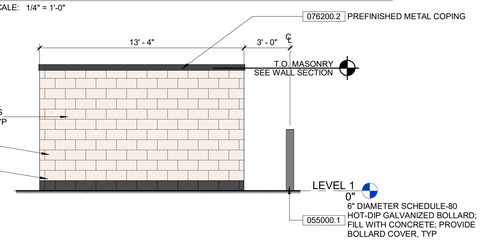
10 TRASH ENCLOSURE FRONT ELEVATION
SCALE: 1/4" = 1'-0"



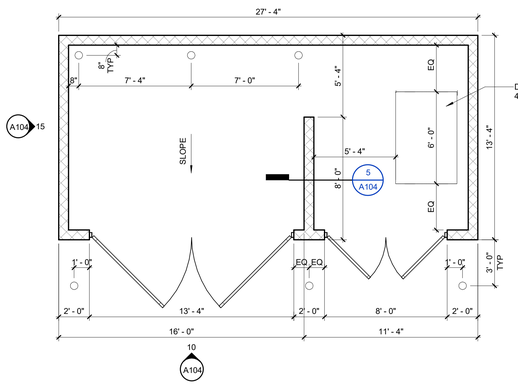
11 TRASH ENCLOSURE RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



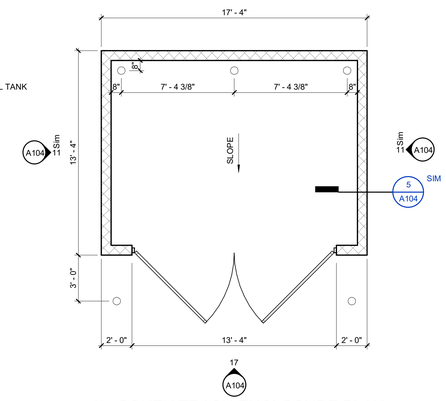
14 TRASH ENCLOSURE REAR ELEVATION
SCALE: 1/4" = 1'-0"



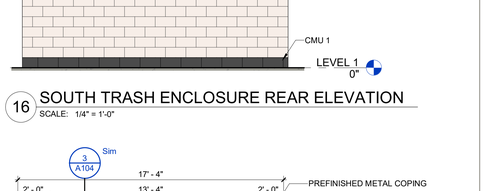
15 TRASH ENCLOSURE LEFT ELEVATION
SCALE: 1/4" = 1'-0"



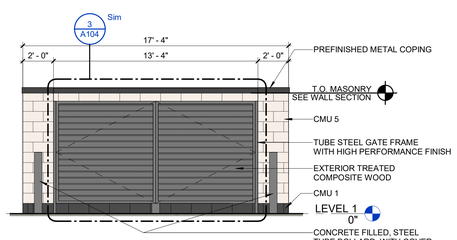
7 NORTH TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



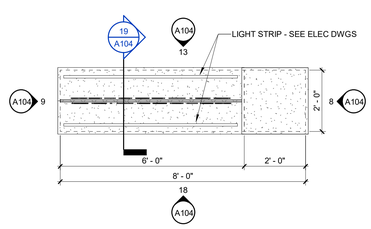
12 SOUTH TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



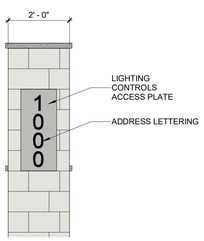
16 SOUTH TRASH ENCLOSURE REAR ELEVATION
SCALE: 1/4" = 1'-0"



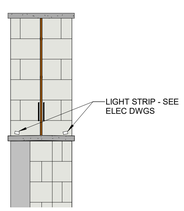
17 SOUTH TRASH ENCLOSURE FRONT ELEVATION
SCALE: 1/4" = 1'-0"



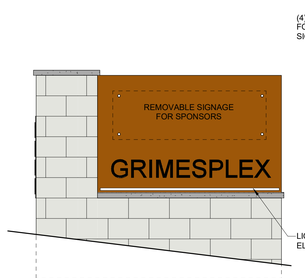
4 MONUMENT SIGN PLAN
SCALE: 1/2" = 1'-0"



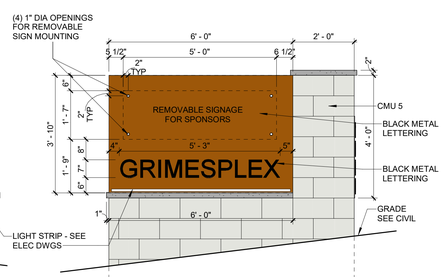
8 MONUMENT SIGN RIGHT ELEVATION
SCALE: 1/2" = 1'-0"



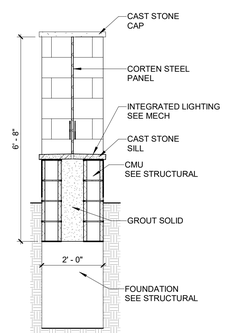
9 MONUMENT SIGN LEFT ELEVATION
SCALE: 1/2" = 1'-0"



13 MONUMENT SIGN REAR ELEVATION
SCALE: 1/2" = 1'-0"



18 MONUMENT SIGN FRONT ELEVATION
SCALE: 1/2" = 1'-0"



19 MONUMENT WALL SECTION
SCALE: 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

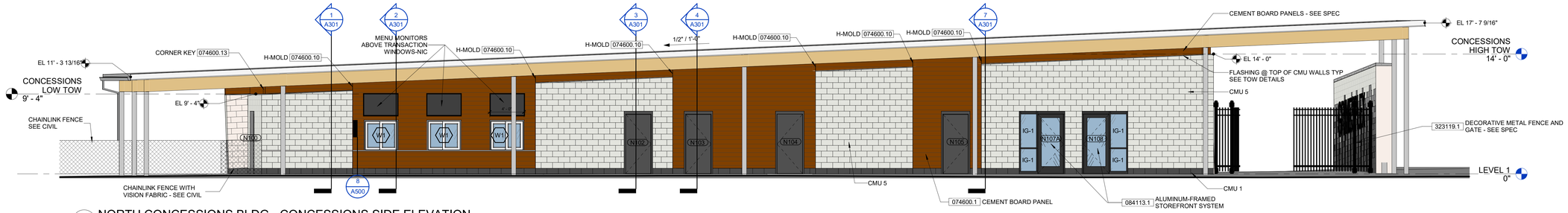
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

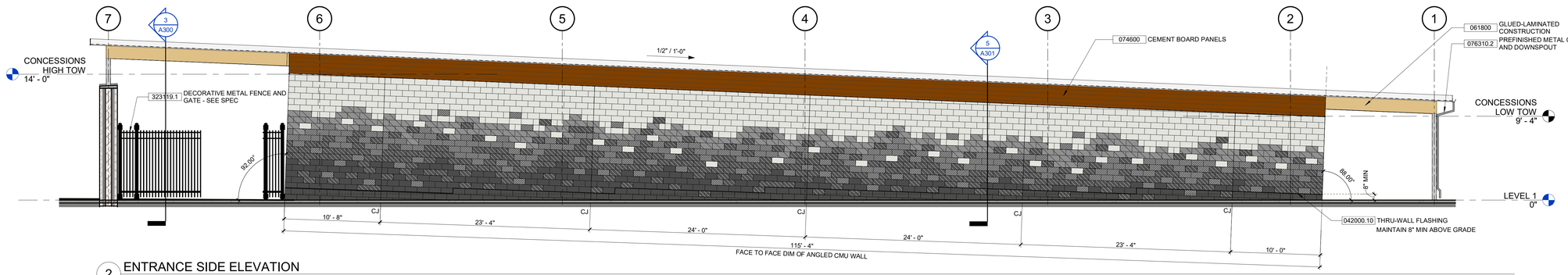
TRASH ENCLOSURE & MONUMENT SIGN

A104

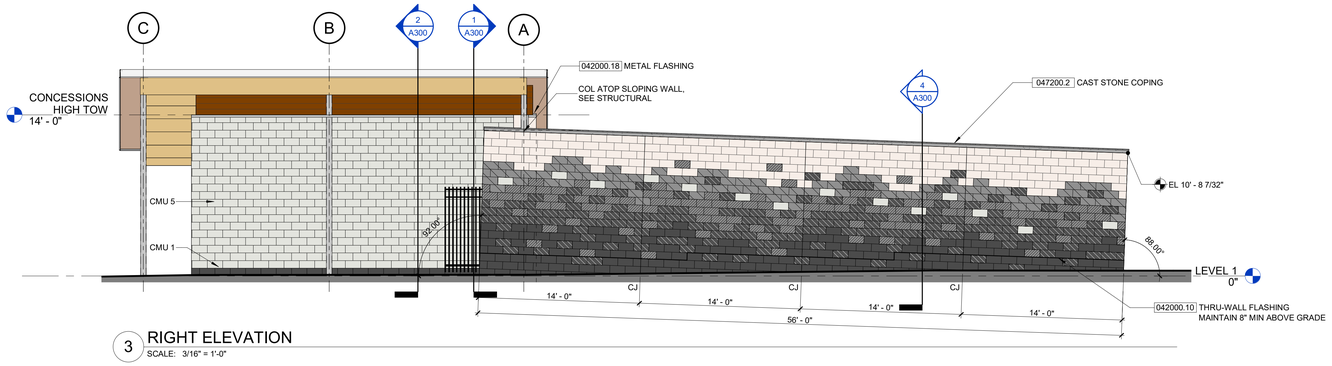
4/26/2023 8:12:21 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



1 NORTH CONCESSIONS BLDG - CONCESSIONS SIDE ELEVATION
SCALE: 3/16" = 1'-0"



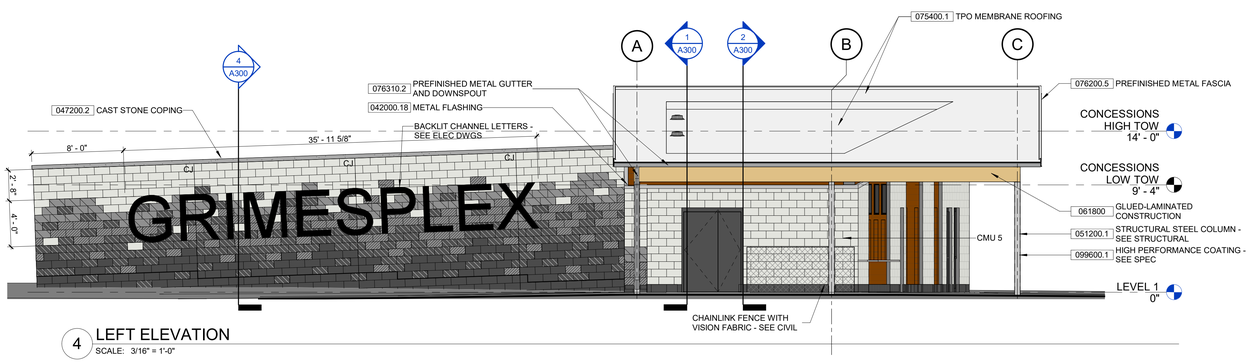
2 ENTRANCE SIDE ELEVATION
SCALE: 3/16" = 1'-0"



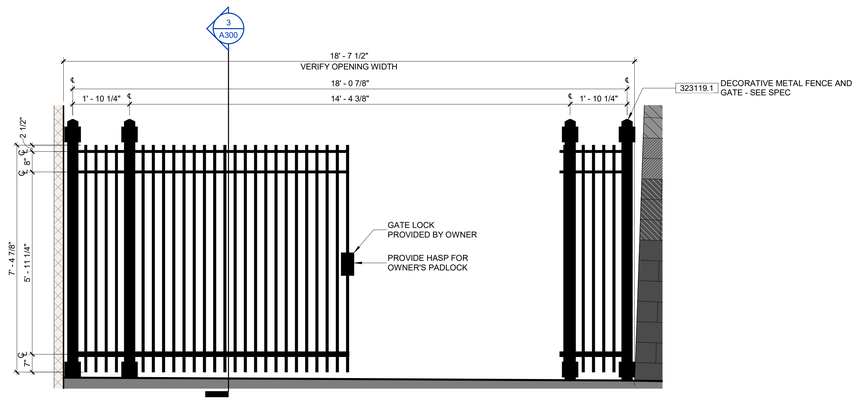
3 RIGHT ELEVATION
SCALE: 3/16" = 1'-0"

CMU LEGEND
SEE SECTION 04 20 00 FOR FINISHES

- CMU 5
- CMU 4
- CMU 3
- CMU 2
- CMU 1



4 LEFT ELEVATION
SCALE: 3/16" = 1'-0"



5 ENTRANCE GATE ELEVATION
SCALE: 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

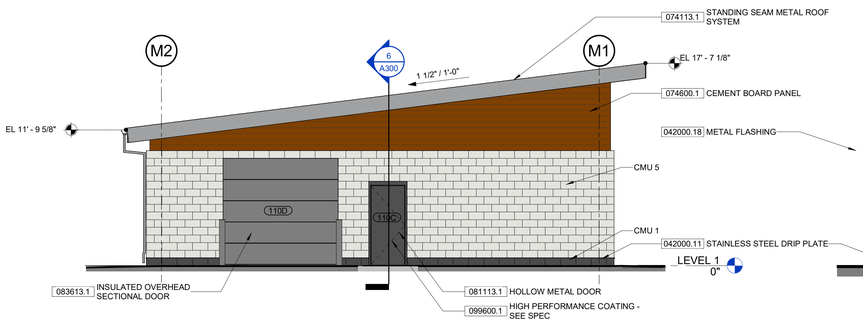
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

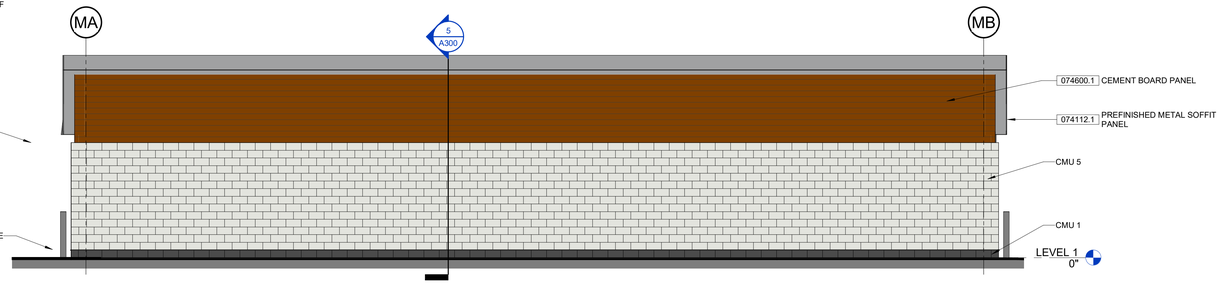
CONCESSION BUILDINGS - EXTERIOR ELEVATIONS

A200

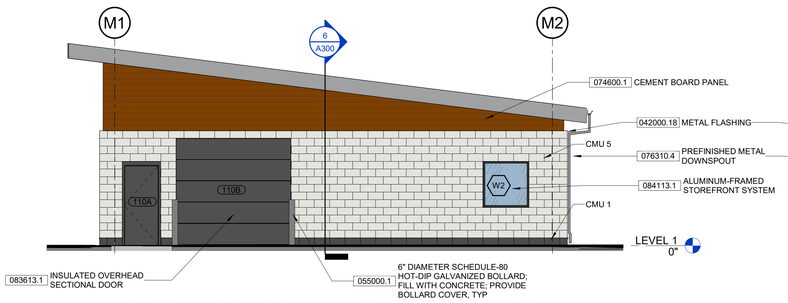
4/26/2023 8:12:26 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



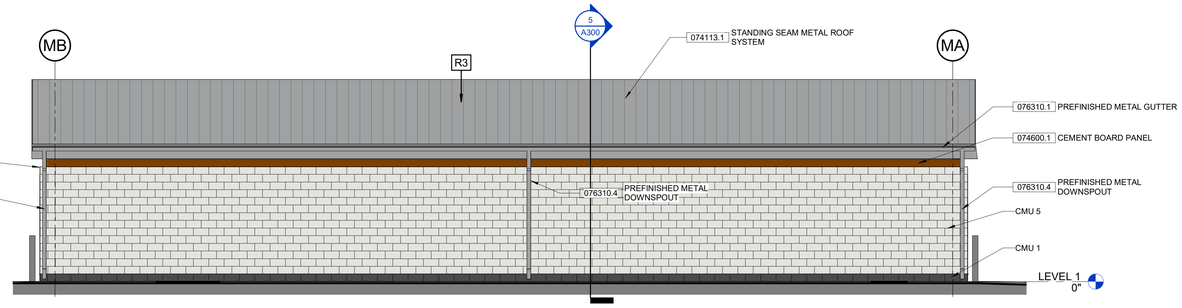
1 EXTERIOR ELEVATION - MAINTENANCE BLDG NORTH
SCALE: 3/16" = 1'-0"



2 EXTERIOR ELEVATION - MAINTENANCE BLDG WEST
SCALE: 3/16" = 1'-0"



3 EXTERIOR ELEVATION - MAINTENANCE BLDG SOUTH
SCALE: 3/16" = 1'-0"



4 EXTERIOR ELEVATION - MAINTENANCE BLDG EAST
SCALE: 3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

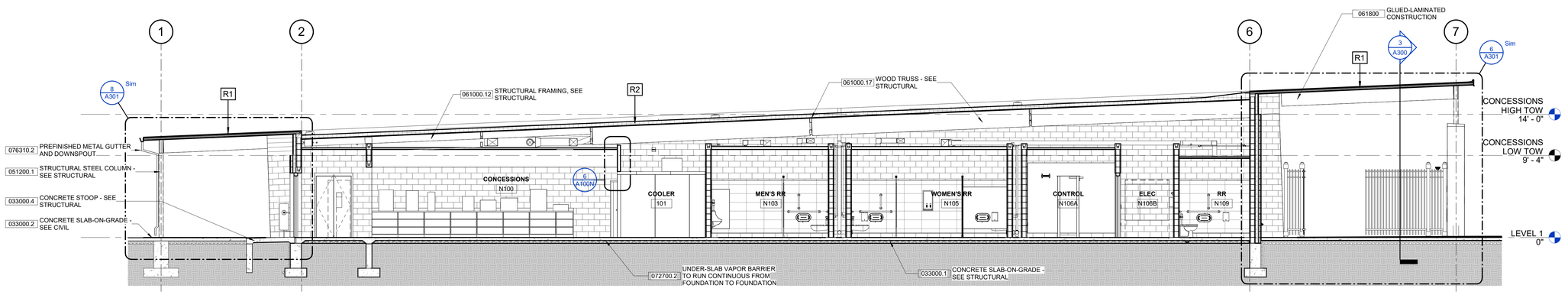
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

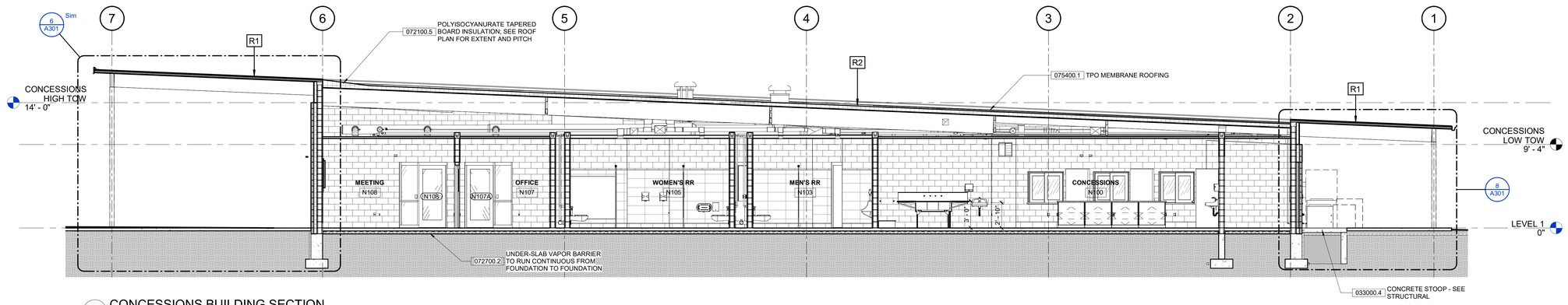
MAINTENANCE BUILDING EXTERIOR ELEVATIONS

A201

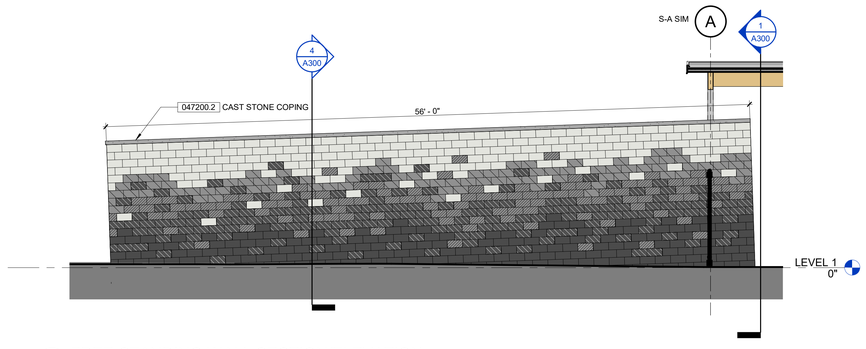
4/26/2023 8:12:30 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



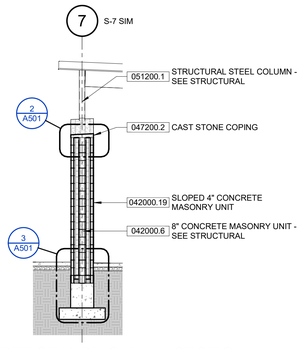
1 CONCESSIONS BUILDING SECTION
SCALE: 3/16" = 1'-0"



2 CONCESSIONS BUILDING SECTION
SCALE: 3/16" = 1'-0"



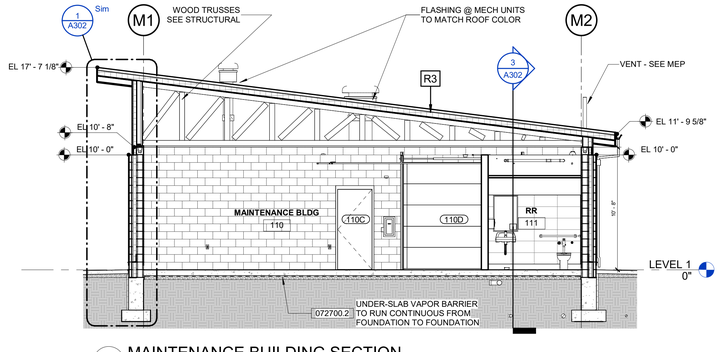
3 FREE-STANDING WALL SECTION/ELEVATION
SCALE: 3/16" = 1'-0"



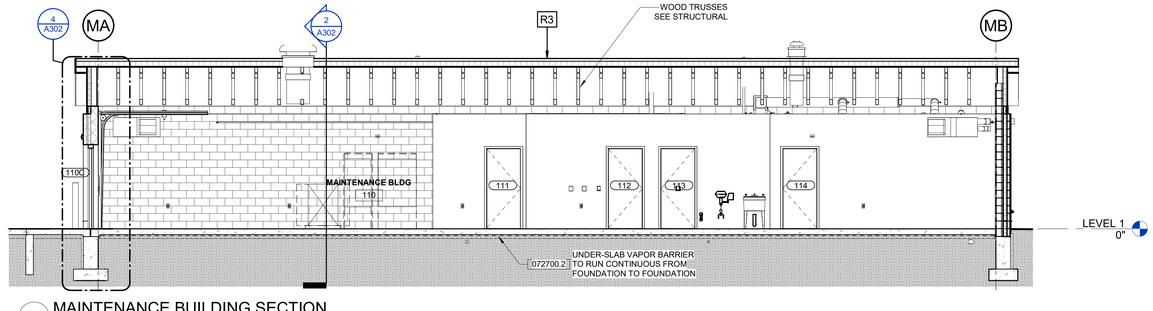
4 FREE STANDING WALL SECTION
SCALE: 3/16" = 1'-0"

CMU LEGEND
SEE SECTION 04 20 00 FOR FINISHES

- CMU 5
- CMU 4
- CMU 3
- CMU 2
- CMU 1



5 MAINTENANCE BUILDING SECTION
SCALE: 3/16" = 1'-0"



6 MAINTENANCE BUILDING SECTION
SCALE: 3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

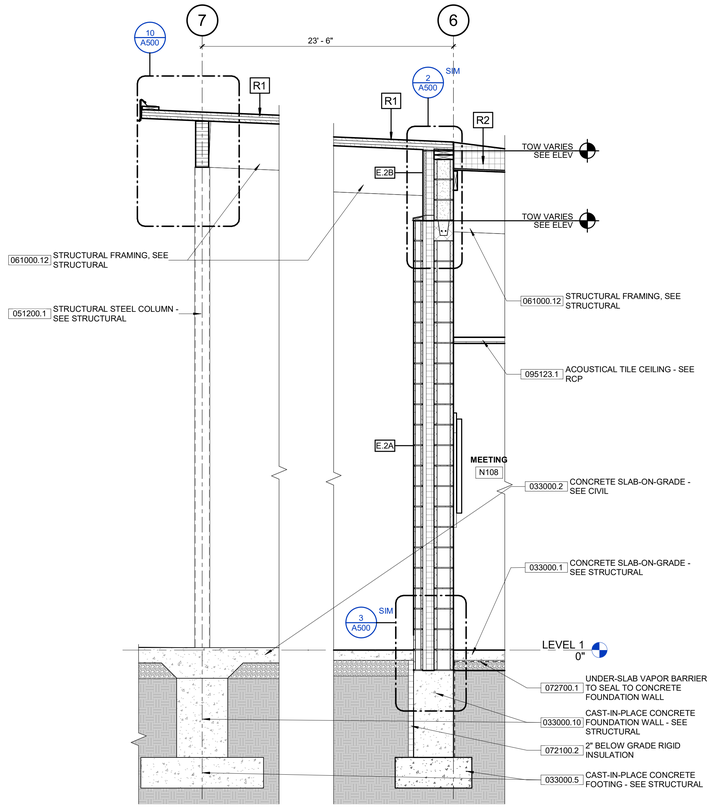
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

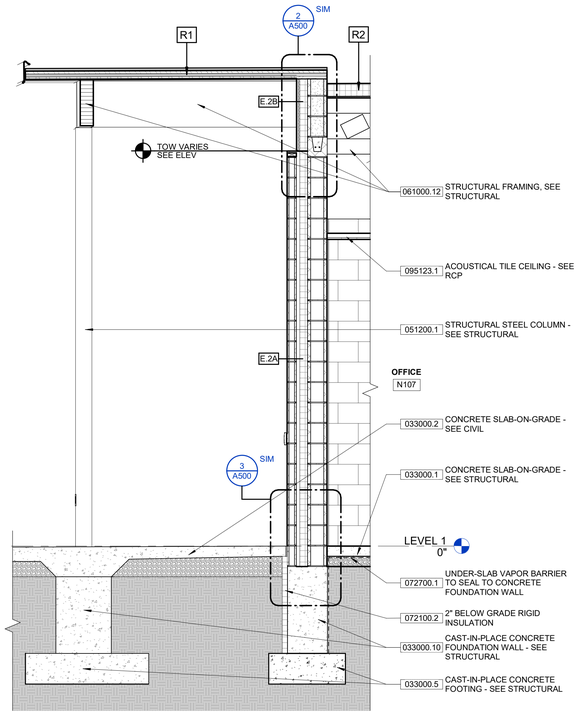
BUILDING SECTIONS

A300

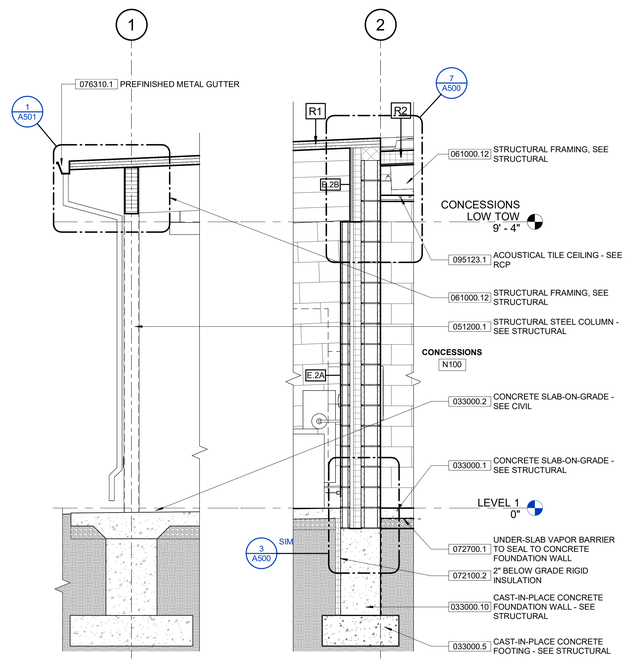
4/26/2023 8:12:41 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



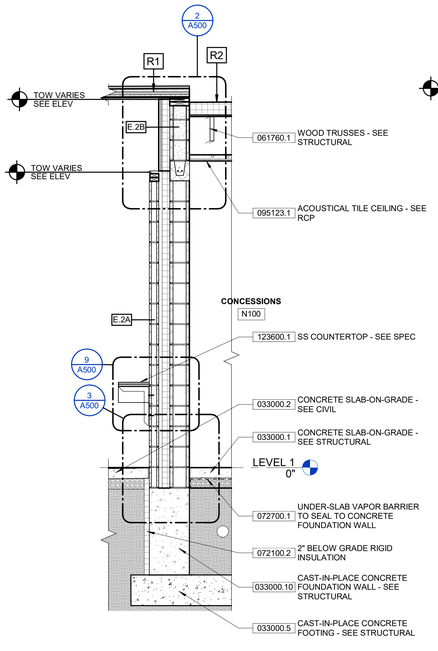
6 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



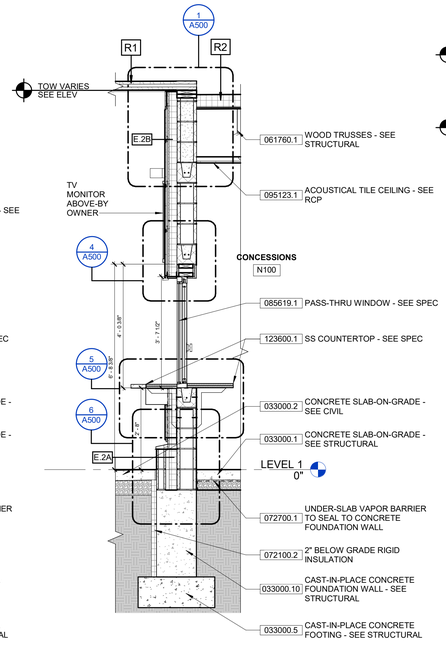
7 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



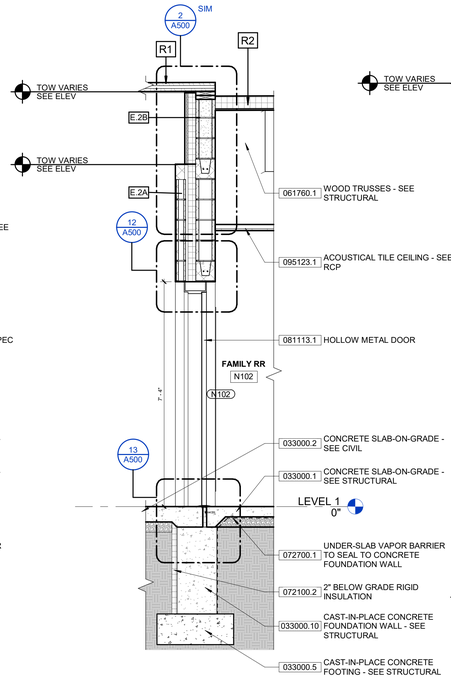
8 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



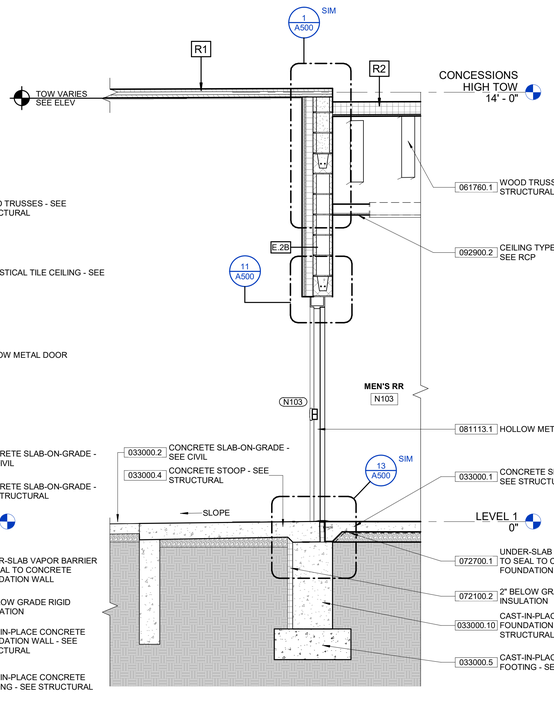
1 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



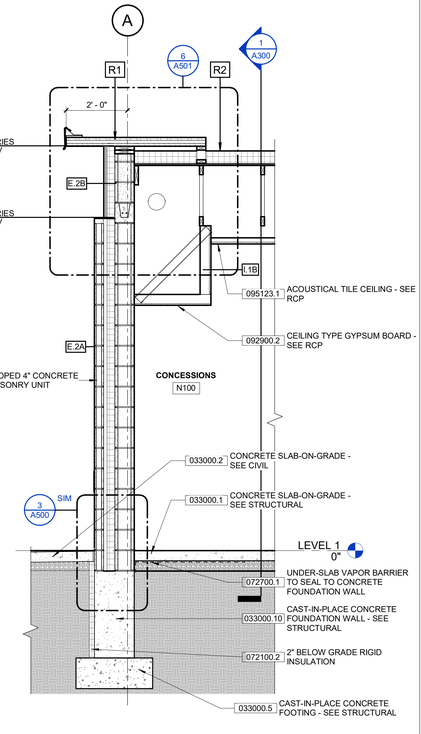
2 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



3 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



4 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"



5 CONCESSIONS WALL SECTION
SCALE: 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

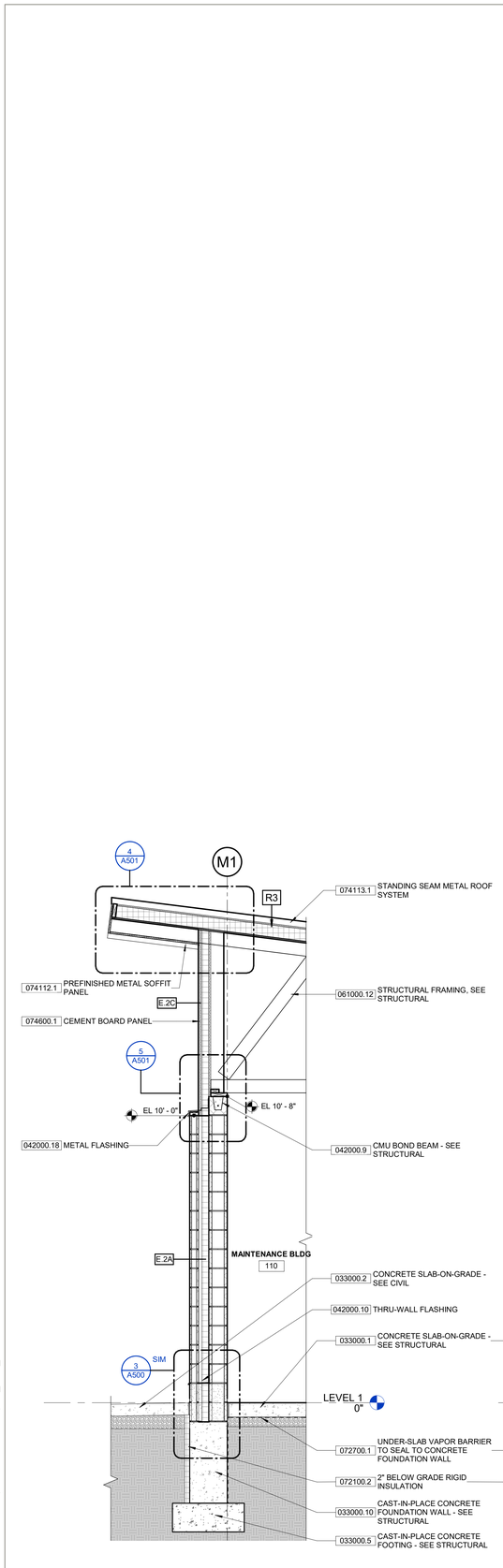
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

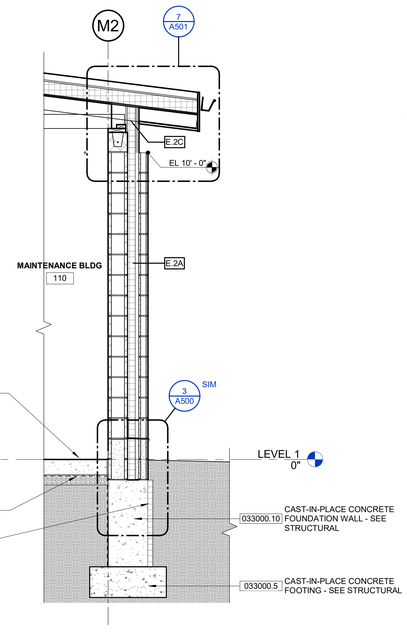
CONCESSION - WALL SECTIONS

A301

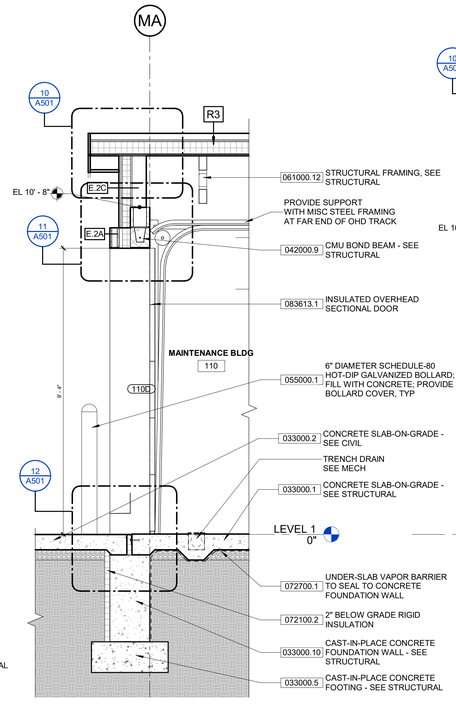
4/26/2023 8:12:48 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



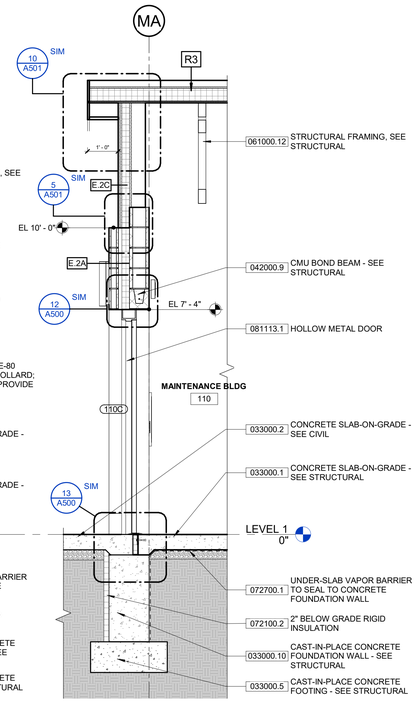
1 MAINTENANCE WALL SECTION
SCALE: 1/2" = 1'-0"



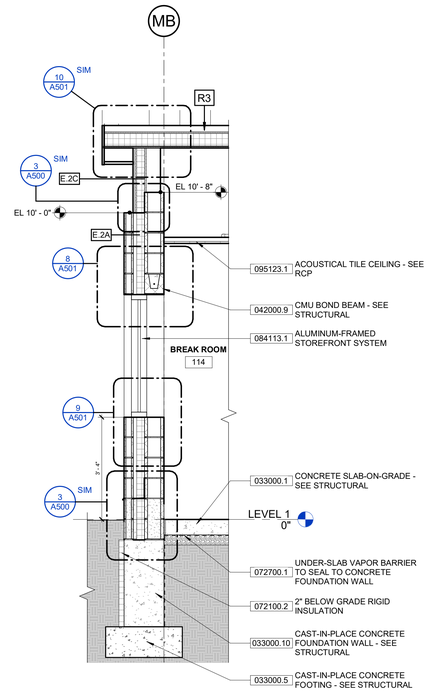
2 MAINTENANCE BLDG WALL SECTION
SCALE: 1/2" = 1'-0"



3 MAINTENANCE WALL SECTION
SCALE: 1/2" = 1'-0"



4 MAINTENANCE WALL SECTION
SCALE: 1/2" = 1'-0"



5 MAINTENANCE WALL SECTION
SCALE: 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

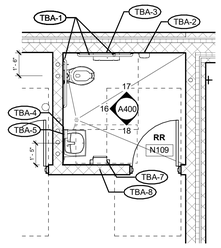
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

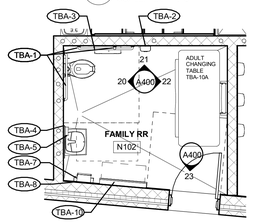
MAINTENANCE - WALL SECTIONS

A302

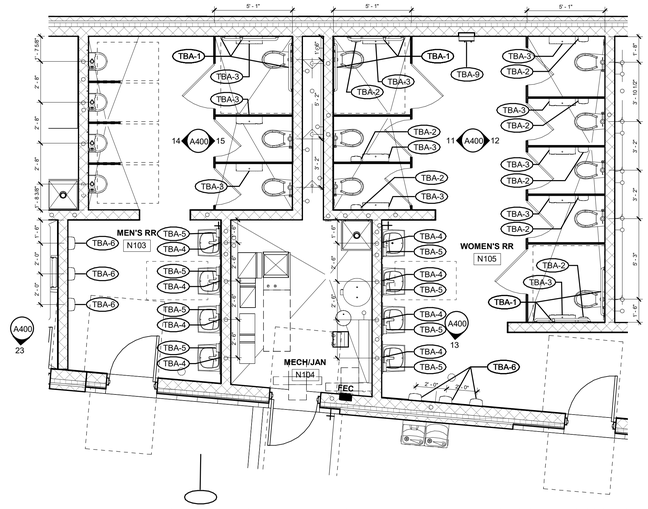
4/26/2023 8:12:51 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



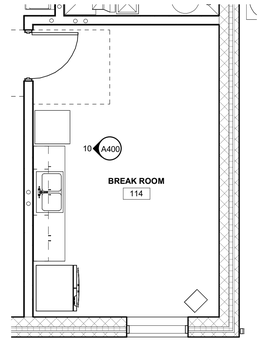
1 RR/CHANGING 109 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



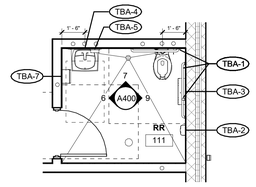
2 FAMILY RR 102 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



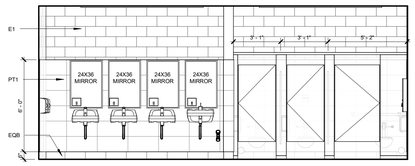
3 ENLARGED MEN'S RR AND WOMEN'S RR PLANS @ CONCESSIONS
SCALE: 1/4" = 1'-0"



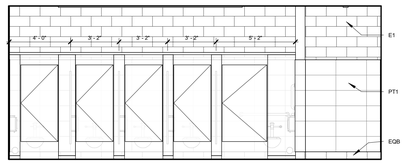
5 BREAK ROOM 113 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



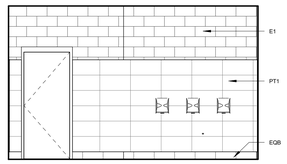
4 RR 111 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



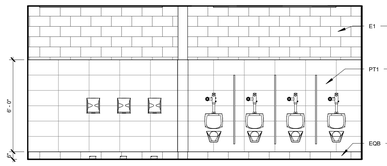
11 WOMEN'S RR-A
SCALE: 1/4" = 1'-0"



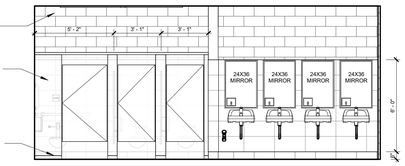
12 WOMEN'S RR-B
SCALE: 1/4" = 1'-0"



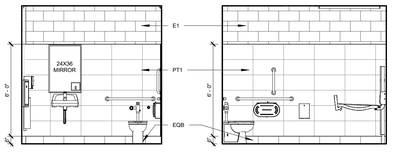
13 WOMEN'S RR-C
SCALE: 1/4" = 1'-0"



14 MEN'S RR-A
SCALE: 1/4" = 1'-0"

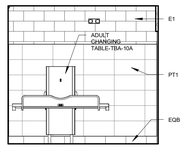


15 MEN'S RR-B
SCALE: 1/4" = 1'-0"

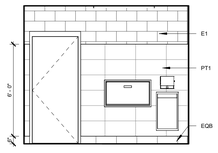


20 RR102-A
SCALE: 1/4" = 1'-0"

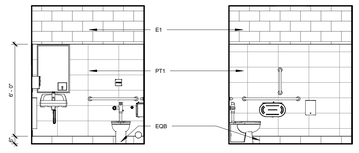
21 RR102-B
SCALE: 1/4" = 1'-0"



22 RR102-C
SCALE: 1/4" = 1'-0"

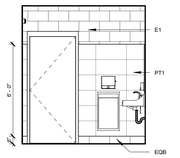


23 RR102-D
SCALE: 1/4" = 1'-0"

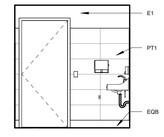


16 RR 109-A
SCALE: 1/4" = 1'-0"

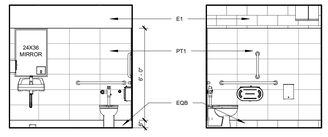
17 RR109-B
SCALE: 1/4" = 1'-0"



18 RR109-D
SCALE: 1/4" = 1'-0"

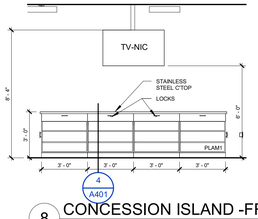


6 RR 111 - A
SCALE: 1/4" = 1'-0"

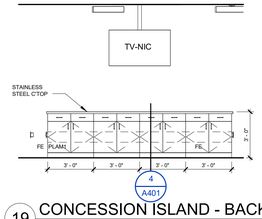


7 RR 111 - B
SCALE: 1/4" = 1'-0"

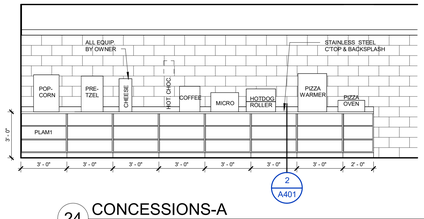
9 RR 111 - C
SCALE: 1/4" = 1'-0"



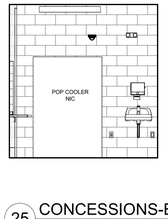
8 CONCESSION ISLAND -FRONT
SCALE: 1/4" = 1'-0"



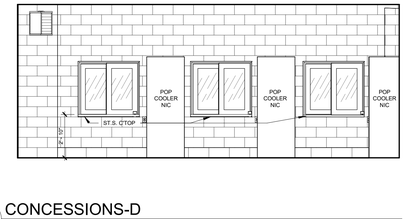
19 CONCESSION ISLAND - BACK
SCALE: 1/4" = 1'-0"



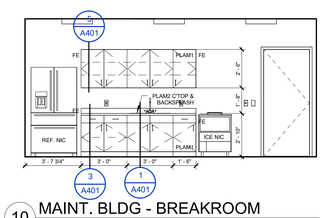
24 CONCESSIONS-A
SCALE: 1/4" = 1'-0"



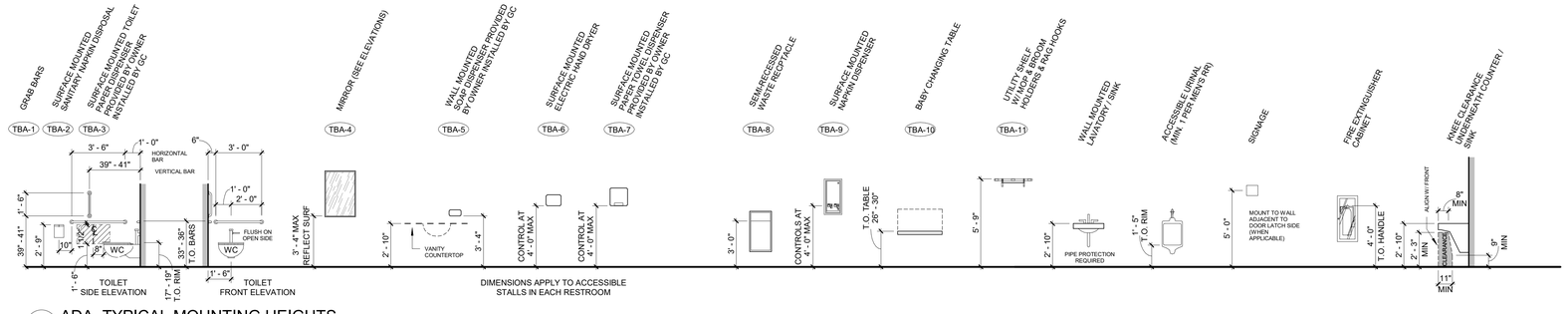
25 CONCESSIONS-B
SCALE: 1/4" = 1'-0"



27 CONCESSIONS-D
SCALE: 1/4" = 1'-0"



10 MAINT. BLDG - BREAKROOM
SCALE: 1/4" = 1'-0"



28 ADA_TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
CITY OF GRIMES
IMEG
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

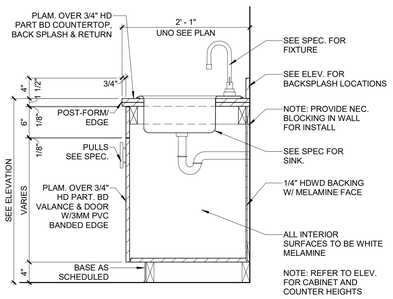
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

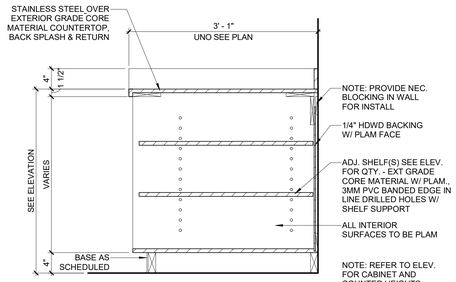
INTERIOR ELEVATIONS & ENLARGED FLOOR PLANS

A400

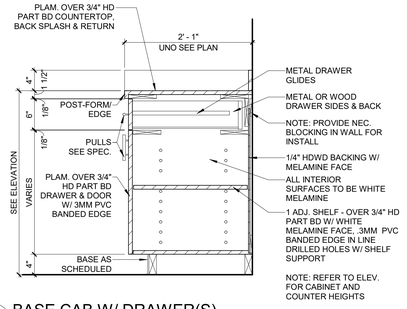
4/26/2023 8:13:03 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



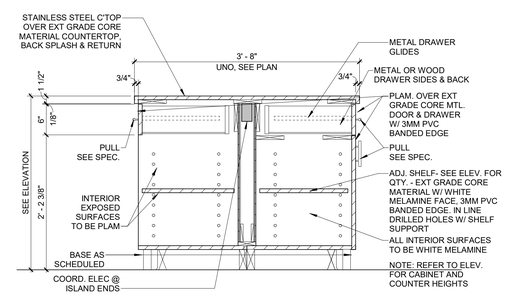
1 BASE CAB W/ SINK
SCALE: 1" = 1'-0"



2 BASE CAB - OPEN SHELVES
SCALE: 1" = 1'-0"



3 BASE CAB W/ DRAWER(S)
SCALE: 1" = 1'-0"



4 BASE CAB ISLAND W/ (2) DRAWER(S)
SCALE: 1" = 1'-0"

5 UPPER W/ DOOR(S)
SCALE: 1" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

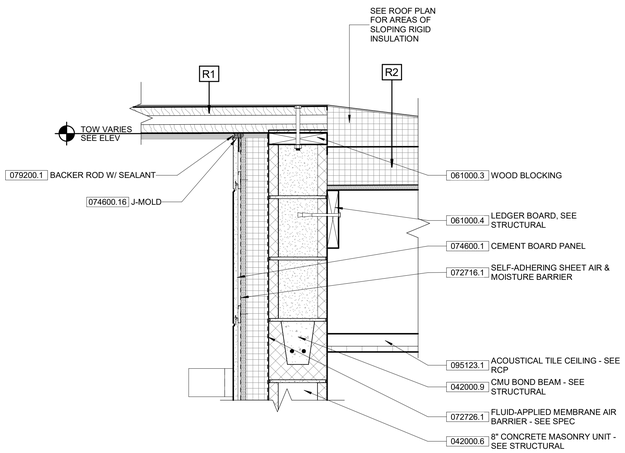
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

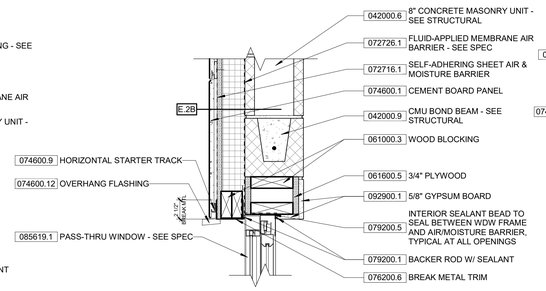
MILLWORK DETAILS

A401

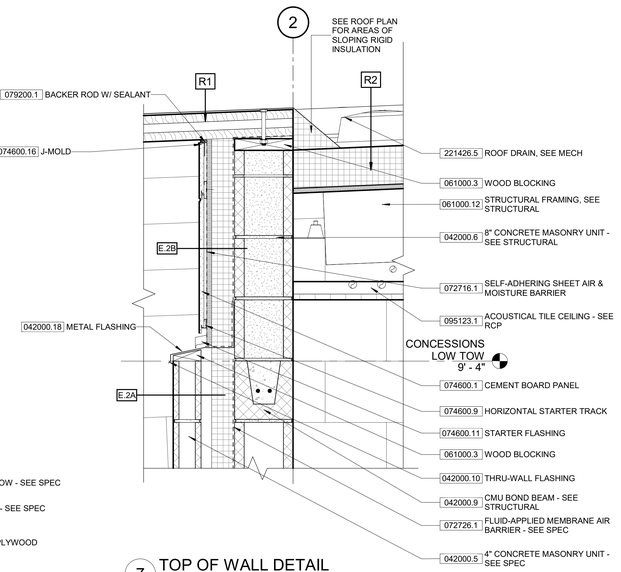
4/26/2023 8:13:04 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



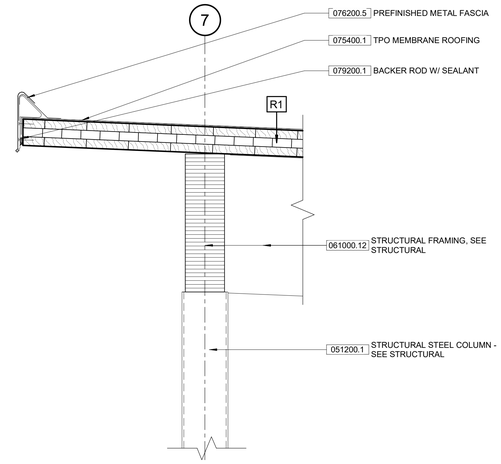
1 TOP OF WALL DETAIL
SCALE: 1 1/2" = 1'-0"



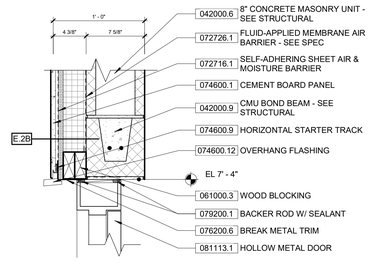
4 TRANSACTION WDW HD DETAIL
SCALE: 1 1/2" = 1'-0"



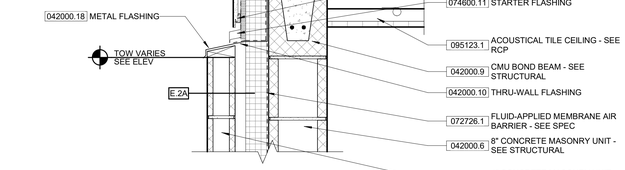
7 TOP OF WALL DETAIL
SCALE: 1 1/2" = 1'-0"



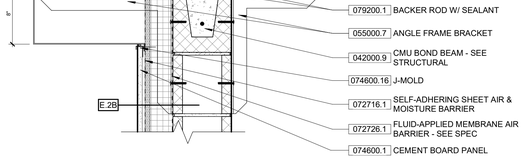
10 EDGE OF CLT ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



11 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"

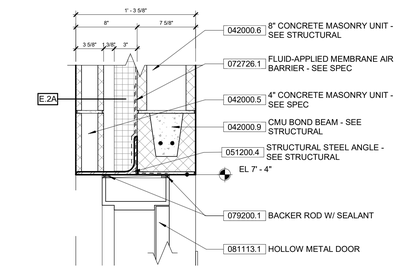


2 TOP OF WALL DETAIL
SCALE: 1 1/2" = 1'-0"

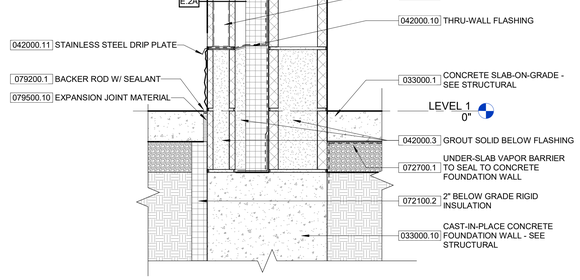


5 TRANSACTION WDW SILL DETAIL
SCALE: 1 1/2" = 1'-0"

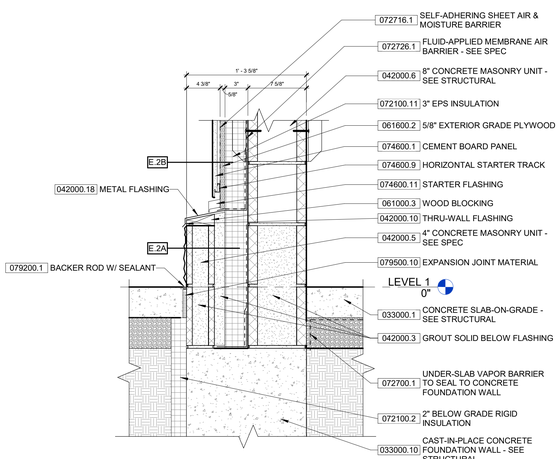
8 CTOP DETAIL
SCALE: 1 1/2" = 1'-0"



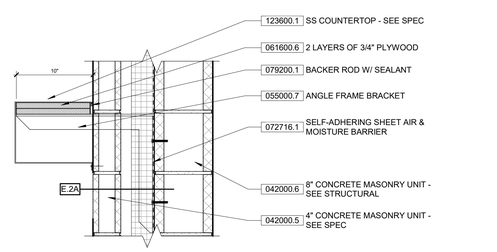
12 DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



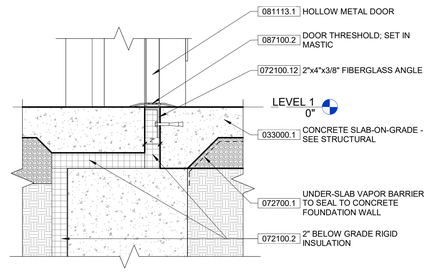
3 BASE OF WALL
SCALE: 1 1/2" = 1'-0"



6 BASE OF WALL
SCALE: 1 1/2" = 1'-0"



9 CTOP DETAIL
SCALE: 1 1/2" = 1'-0"



13 DOOR THRESHOLD DETAIL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
CITY OF GRIMES
IMEG
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

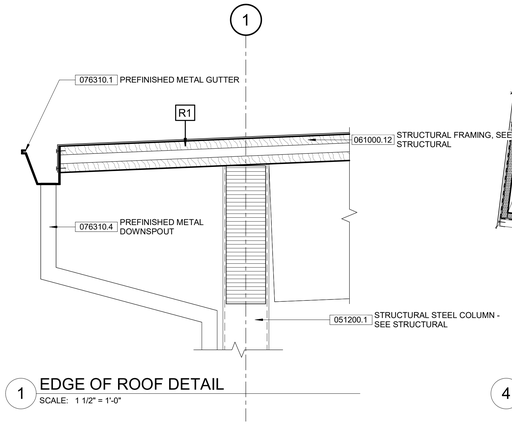
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

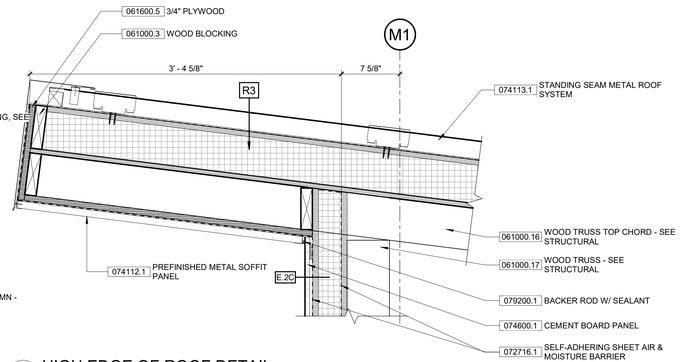
PROJECT NUMBER
22038

SECTION DETAILS
A500

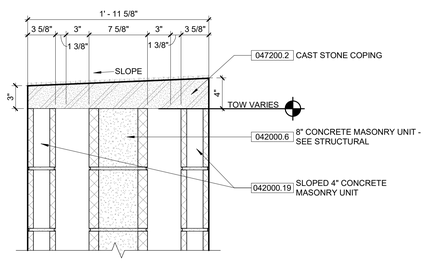
4/26/2023 8:13:10 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



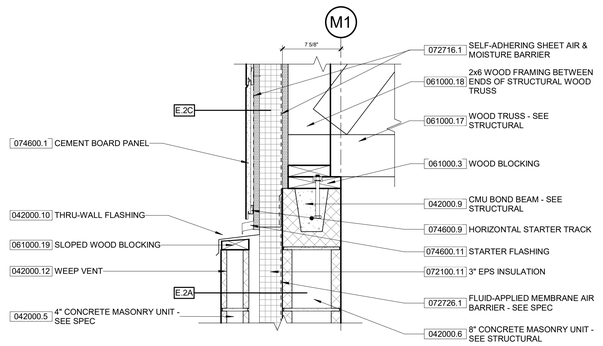
1 EDGE OF ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



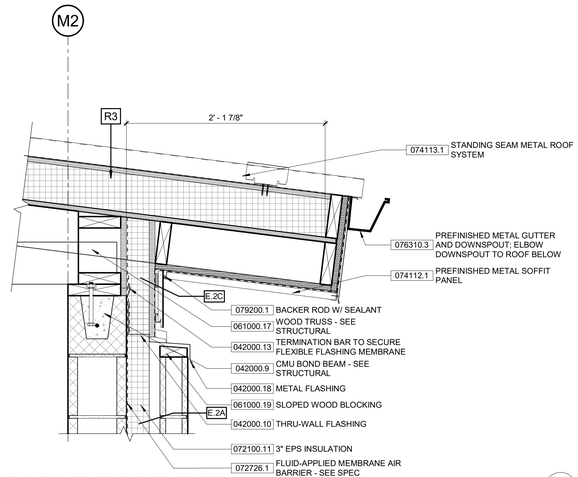
4 HIGH EDGE OF ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



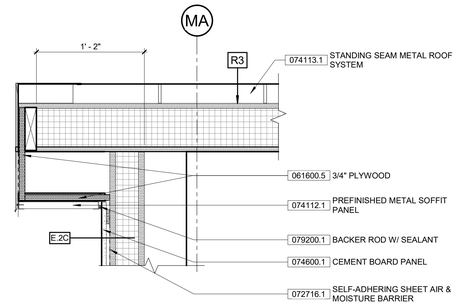
2 TOP OF WALL DETAIL
SCALE: 1 1/2" = 1'-0"



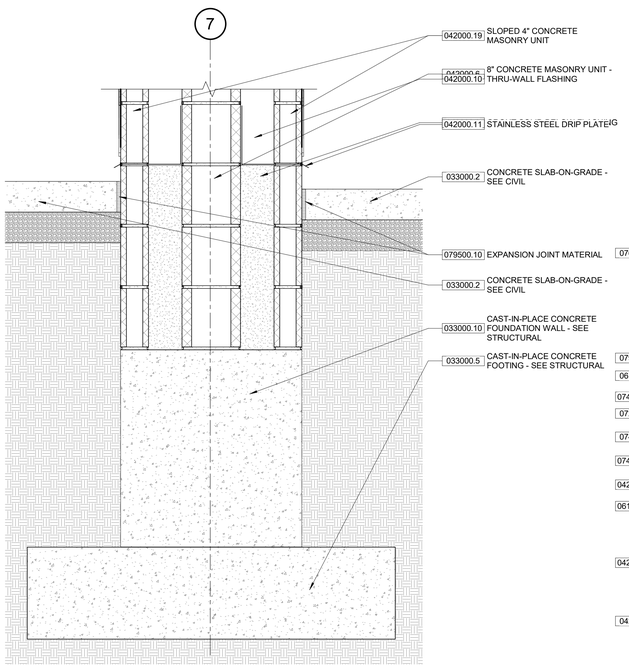
5 TOP OF WALL @ MAINTENANCE BLDG
SCALE: 1 1/2" = 1'-0"



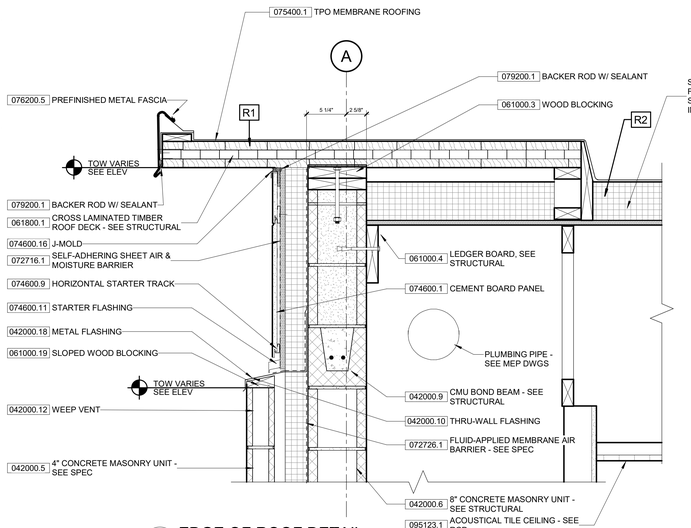
7 LOW EDGE OF ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



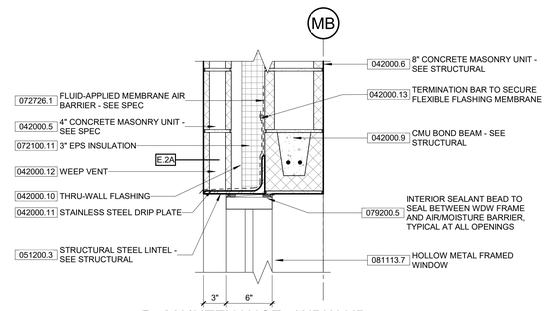
10 ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



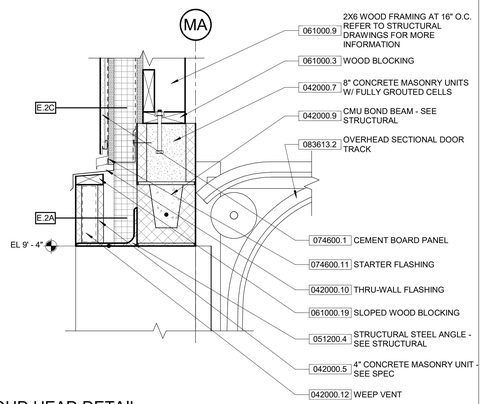
3 BASE OF WALL DETAIL
SCALE: 1 1/2" = 1'-0"



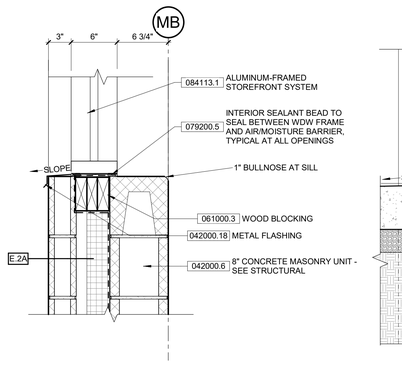
6 EDGE OF ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



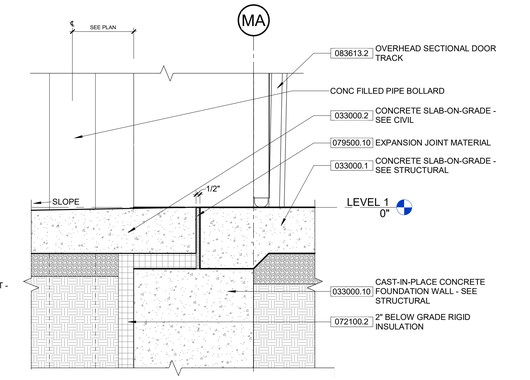
8 MAINTENANCE - WDW HD
SCALE: 1 1/2" = 1'-0"



11 OHD HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



9 MAINTENANCE - WDW SILL
SCALE: 1 1/2" = 1'-0"



12 OHD SILL DETAIL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

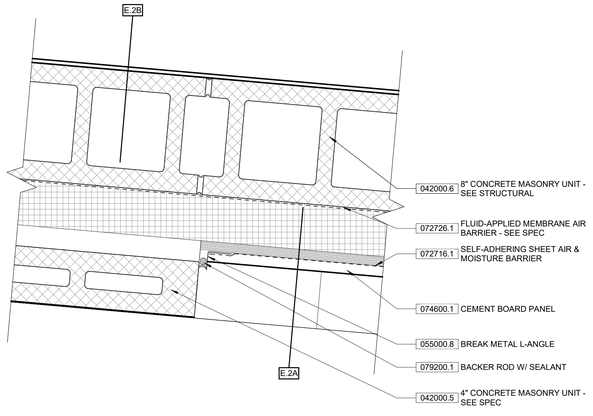
REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

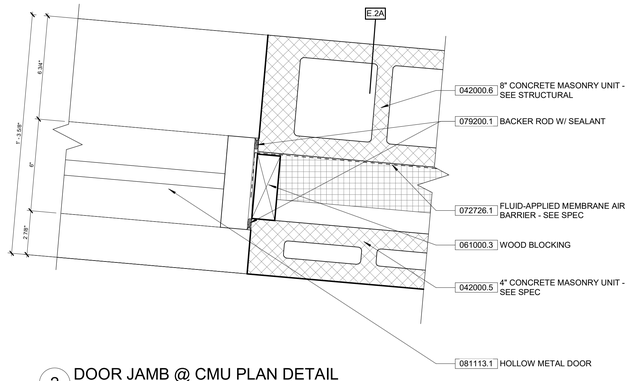
PROJECT NUMBER
22038

SECTION DETAILS
A501

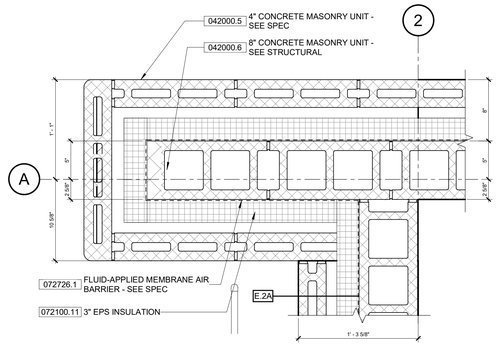
4/26/2023 8:13:16 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt



3 CMU TO CEMENT BOARD PANEL PLAN DETAIL
SCALE: 3" = 1'-0"



2 DOOR JAMB @ CMU PLAN DETAIL
SCALE: 3" = 1'-0"



1 WALL END PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
CITY OF GRIMES
IMEG
CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

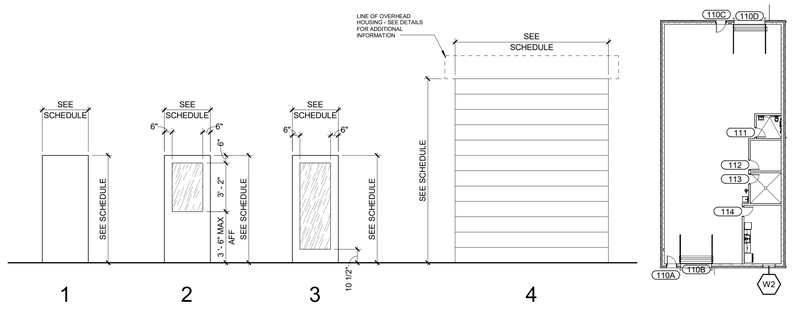
PROJECT NUMBER
22038

PLAN DETAILS
A510

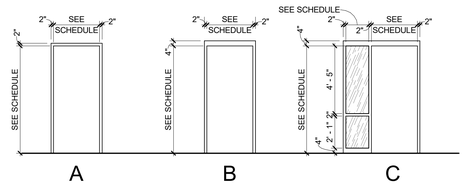
4/26/2023 8:13:17 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

GENERAL NOTES: DOOR AND FRAME NOTES

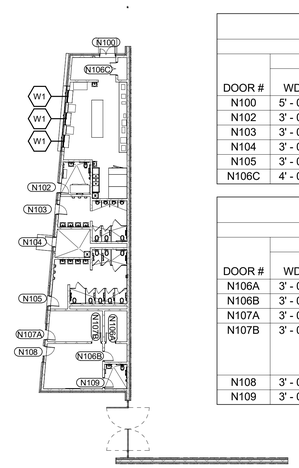
1. ALL DOOR AND FRAME DIMENSIONS TO BE VERIFIED BEFORE FABRICATION
2. ALL POTENTIAL CODE NONCOMPLIANCE ISSUES ARE TO BE IDENTIFIED PRIOR TO BIDDING A PRODUCT. ANY SUB-CONTRACTOR BIDDING A PRODUCT CONDITION KNOWN TO BE NON-COMPLIANT ASSUMES EQUAL LIABILITY.
3. ALL HOLLOW METAL DOORS AND FRAMES ARE TO BE GALVANIZED, PRIMED AND PAINTED. SEE SPEC.
4. GROUT ALL HOLLOW METAL FRAMES SOLID WITH PORTLAND CEMENT BASED MORTAR.
5. ALL FRAMES WIDER THAN 44" TO HAVE HEAD STIFFENERS.
6. BID ALL GLAZING AS DIMENSIONED. IF AREAS EXCEED CODE FOR ALLOWABLE AREAS, ASSUME FIRE GLAZING WILL BE REQUIRED.
7. VERIFY ALL ITEMS ON SCHEDULE WITH FLOOR PLAN. FLOOR PLAN PREVAILS FOR DOOR SWING, FRAME TYPE AND DIMENSIONAL INFORMATION.
8. GENERAL CONTRACTOR TO COORDINATE MEETING BETWEEN ARCHITECT/OWNER AND DOOR VENDOR TO ESTABLISH KEY SCHEDULE INFORMATION.
9. CONTRACTOR TO REVIEW ADA ACTUATOR LOCATIONS WITH OWNER & ARCHITECT BEFORE INSTALLATION.
10. HOLLOW METAL FRAME THROAT DEPTH TO MATCH WALL THICKNESS AT ALL METAL-FRAMED STUD WALLS. REFER TO FLOOR PLAN AND WALL TYPES FOR LOCATIONS, WALL TYPES AND WALL THICKNESSES. CONTRACTOR TO VERIFY FRAME DEPTH AT ALL LOCATIONS.

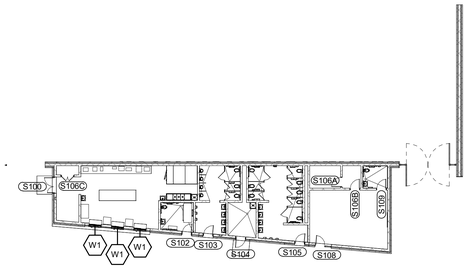


DOOR PANEL TYPES



DOOR FRAME TYPES





MAINTENANCE BUILDING EXTERIOR DOOR SCHEDULE

	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
110A	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
110B	10' - 0"	9' - 8"	0"	4							
110C	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
110D	10' - 0"	9' - 8"	0"	4							

MAINTENANCE BUILDING INTERIOR DOOR SCHEDULE

	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
111	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	A	HM		1
112	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	A	HM		1
113	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	A	HM		1
114	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	A	HM		1

NORTH CONCESSION EXTERIOR DOOR SCHEDULE

	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
N100	5' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N102	3' - 0"	7' - 0"	1 3/4"	1	HM		8 3/4"	B	HM		1
N103	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N104	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N105	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N106C	4' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1

NORTH CONCESSION INTERIOR DOOR SCHEDULE

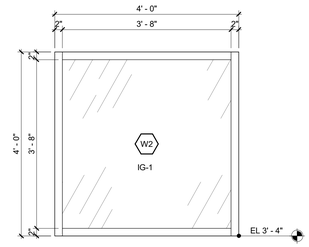
	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
N106A	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N106B	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
N107A	3' - 0"	7' - 0"	1 3/4"	3	ALUM			C	ALUM		1
N107B	3' - 0"	7' - 0"	1 3/4"	2	HM		5 3/4"	B	HM		3, 1/2 DOORLIGHT ENCLOSED GLASS BLINDS
N108	3' - 0"	7' - 0"	1 3/4"	3	ALUM			C	ALUM		1
N109	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1

SOUTH CONCESSION EXTERIOR DOOR SCHEDULE

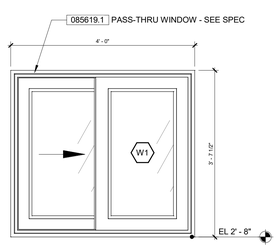
	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
S100	5' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S102	3' - 0"	7' - 0"	1 3/4"	1	HM		8 3/4"	B	HM		1
S103	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S104	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S105	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1

SOUTH CONCESSION INTERIOR DOOR SCHEDULE

	DOOR					FRAME					
	SIZE					SIZE					
DOOR #	WD	HT	TH	TYPE	MATL	SIDELIGHT WIDTH	DEPTH	TYPE	MATL	FIRE RATING	NOTES
S106A	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S106B	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S106C	4' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1
S108	3' - 0"	7' - 0"	1 3/4"	3	ALUM			C	ALUM		1
S109	3' - 0"	7' - 0"	1 3/4"	1	HM		5 3/4"	B	HM		1



W2 - ALUM STOREFRONT WINDOW
SCALE: 3/4" = 1'-0"



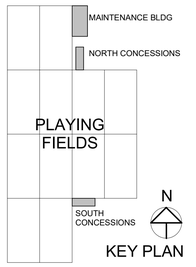
W1 - TRANSACTION WINDOW
SCALE: 3/4" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE



GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

DOOR & WINDOW SCHEDULE AND TYPES

A601

4/26/2023 8:13:21 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

FINISH KEY

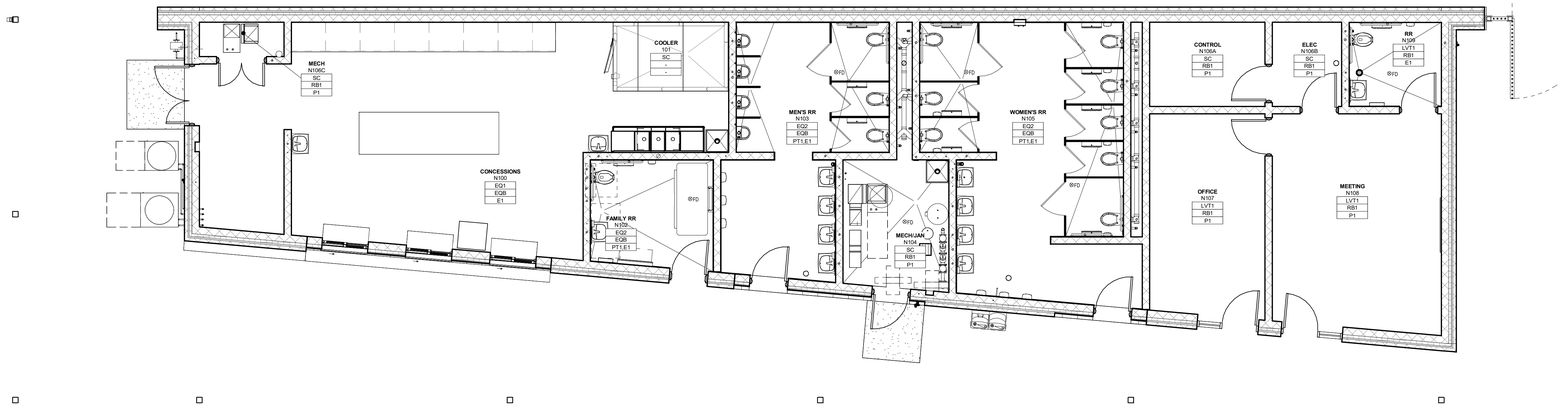
KEY	PRODUCT	MANUFACTURER	PATTERN / COLOR
1 FLOORING			
EQ1	EPOXY QUARTZ	SEE SPEC.	SEE SPEC.
EQ2	EPOXY QUARTZ	SEE SPEC.	SEE SPEC.
EQB1	EPOXY QUARTZ BASE	SEE SPEC.	SEE SPEC.
EQB2	EPOXY QUARTZ BASE	SEE SPEC.	SEE SPEC.
LVT1	LUX. VINYL TILE	SHAW CONTRACT	COVE / CASTER 27518 9"X48"
RB	RESILIENT BASE	TARKETT	40 BLACK
SC	SEALED CONCRETE	SEE SPEC	SEE SPEC.
2 WALL COVERINGS			
E1	PAINT-EPOXY	SHERWIN WILLIAMS	SW7022 ALPACA
P1	PAINT	SHERWIN WILLIAMS	SW7022 ALPACA
P2	PAINT - HM DIEFRAMES	SHERWIN WILLIAMS	SW6258 TRICORN BLACK
PT1	PORCELAIN TILE	DALTILE	VOLUME 1.0 / VAPOR VL63 (12X24")
3 PLASTIC LAMINATES / SOLID SURFACES			
PLAM1	PLASTIC LAMINATE	FORMICA	CARMEL ELM 5795-NG
ST. S	STAINLESS STEEL	SEE SPEC.	SEE SPEC.
4 CEILING FINISHES			
ACT1	ACOUSTICAL CEILING TILE	SEE SPEC.	SEE SPEC.

ROOM FINISH SCHEDULE NOTES

1. REFER TO FLOOR FINISH PLAN FOR FLOOR COVERING LOCATIONS.
2. REFER TO ELEVATIONS FOR TILE LOCATIONS, PATTERNS, AND ACCENT WALL PATTERNS.
3. 4'-0" HIGH FIBERGLASS-REINFORCED PANELS BEHIND MOP SINK AND ALONG ADJACENT WALL(S).

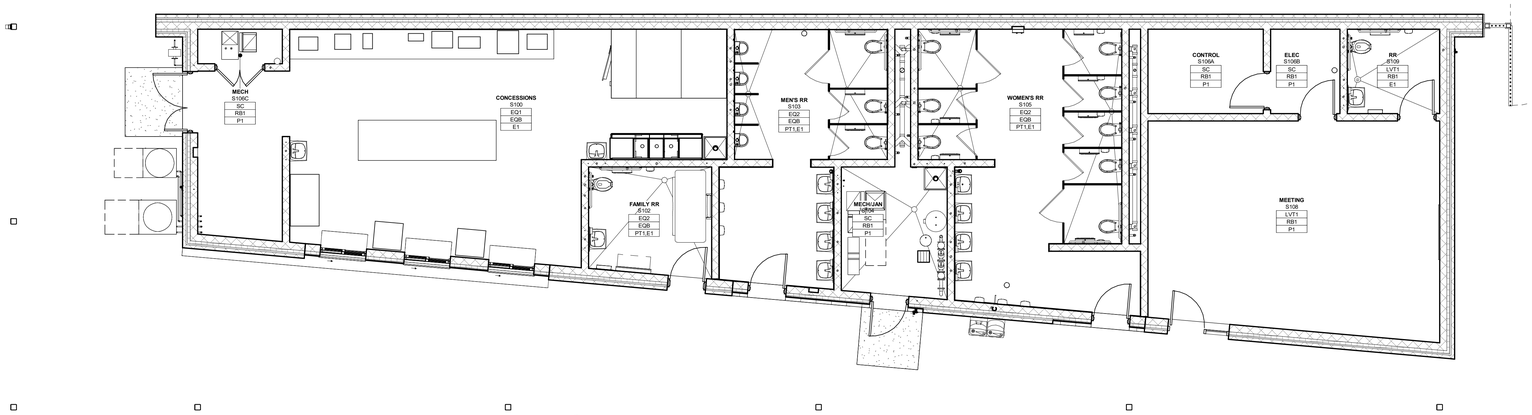
GENERAL FINISH NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION AND BEFORE ORDERING MATERIALS. DO NOT SCALE DRAWINGS.
2. EPOXY PAINT TO BE USED IN RESTROOMS.
3. PROVIDE SCHLUTER TRANSITION STRIPS AT ALL TILE TRANSITIONS. VERIFY WITH ARCHITECT.
4. ALL GYPSUM BOARD CEILINGS TO BE PAINTED CEILING WHITE UNLESS NOTED OTHERWISE.
5. ALL OTHER TRANSITION STRIPS TO BE SUBMITTED FOR APPROVAL FROM ARCHITECT.
6. SEE REFLECTED CEILING PLAN FOR ADDITIONAL CEILING HEIGHTS AND MATERIALS.



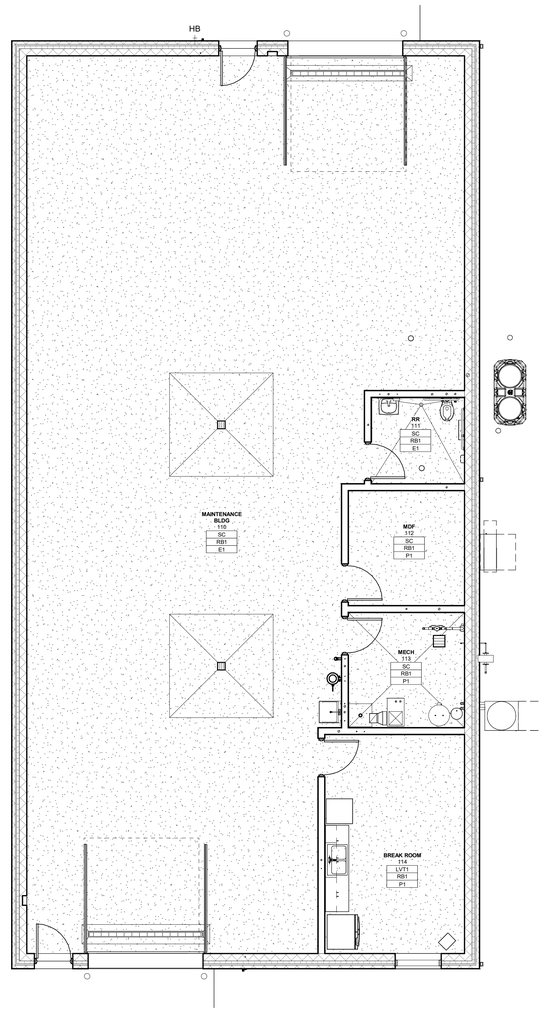
1 NORTH CONCESSIONS & OFFICE COMBINED FLOOR FINISH PLANS
SCALE: 3/16" = 1'-0"

NORTH



3 SOUTH CONCESSIONS & OFFICE COMBINED FLOOR FINISH PLANS
SCALE: 3/16" = 1'-0"

NORTH



2 MAINTENANCE BUILDING PLAN
SCALE: 3/16" = 1'-0"

NORTH

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

CITY OF GRIMES

IMEG

CIVIL DESIGN ADVANTAGE

GRIMESPLEX

1000 NW HERITAGE DRIVE
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2023

PROJECT NUMBER
22038

FLOOR FINISH PLAN

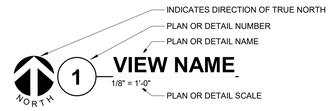
A800

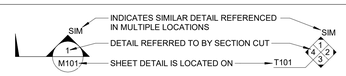
4/26/2023 8:13:23 AM
Autodesk Docs://22038 Grimesplex/22038 Grimesplex_Arch_R22.rvt

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL





LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
——— NEW
- - - - - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
——— EXISTING
- - - - - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2018 EDITION
FIRE CODE:	IFC 2018 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	KRISTEN SPINA
MECHANICAL	PARKER POLASCHEK
ELECTRICAL	CHRIS MARTING
TECHNOLOGY	ALFONSO ARAULLO
STRUCTUAL	DANIELLE BARTLETT

PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
CW	COLD WATER - POTABLE
D	DRAIN
G	NATURAL GAS
GRV	GAS REGULATOR VENT
GSAN	SANITARY DRAINAGE (GREASE SANITARY DRAINAGE)
GV	GREASE VENT
HW	HOT WATER - POTABLE
HWC	HOT WATER CIRCULATING - POTABLE
ST(1,000)	STORM DRAINAGE (ROOF SQUARE FOOTAGE)
STS	STORM DRAINAGE (SECONDARY)
V	VENT
W	SERVICE WATER - POTABLE
	PIPE CONTINUATION
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
FD	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	ROUTE TO DRAIN
RD-1 6"(1000)	ROOF DRAIN PROPERTIES SYMBOL SIZE (ROOF SQ. FT.)
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
GPM	BALANCING VALVE (NUMBER INDICATES GPM)
	CHECK VALVE
	BACKFLOW PREVENTER
	SAFETY/RELIEF VALVE
	VACUUM BREAKER
P	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	THERMOMETER WITH WELL (FILLED TYPE)
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	PUMP
M	METER

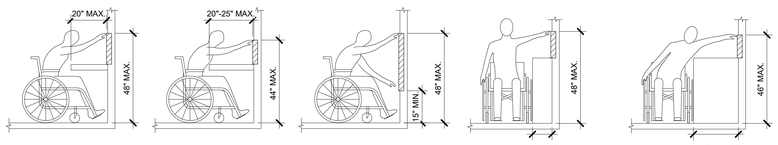
PLUMBING ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
GD	GARBAGE DISPOSER
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MV	MIXING VALVE
NIC	NOT IN CONTRACT
RD	ROOF DRAIN
SCCR	SHORT CIRCUIT CURRENT RATING
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TYP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WM	WATER METER
UB	UTILITY BOX
UON	UNLESS OTHERWISE NOTED
YCO	YARD CLEANOUT

PLUMBING ROUGH-IN SCHEDULE

NOTES: (APPLIES TO ALL PLUMBING FIXTURES LISTED BELOW)
1) SIZES SHOWN ARE MINIMUMS. LARGER SIZES SHOWN ON THE DRAWING SHALL DICTATE THE ROUGH-IN SIZE. 2) SANITARY RISERS UP IN WALL TO FIXTURES SHALL BE A MINUMUM OF 2". 3) DOMESTIC WATER BRANCH PIPING OUTSIDE OF THE WALL/CHASE SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE. ONLY THE FINAL RISE-DROP SHALL BE SMALLER. 4) FINAL SANITARY SIZE SHALL MATCH P-TRAP SIZE (REFER TO MATERIAL LIST).

TAG NAME	DESCRIPTION	COLD WATER	HOT WATER	SANITARY	VENT
EE-1	EMERGENCY EYE-FACE WASH	3/4"	3/4"	-	-
EWC-1	ELECTRIC WATER COOLER	1/2"	-	2"	1 1/2"
FD-1	FLOOR DRAIN	-	-	3"	1 1/2"
FD-2	FLOOR DRAIN	-	3/4"	3"	1 1/2"
FS-1	FLOOR SINK	-	-	4"	2"
FS-2	FLOOR SINK	-	-	4"	2"
L-1	LAVATORY (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
MB-1	MOP BASIN	3/4"	3/4"	3"	1 1/2"
MB-1	MOP BASIN	3/4"	3/4"	3"	1 1/2"
SK-1	SINK (THREE COMPARTMENT)	3/4"	3/4"	4"	4"
SK-2	SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
SS-1	SERVICE SINK	3/4"	3/4"	3"	1 1/2"
TD-1	TRENCH DRAIN	-	-	4"	2"
UB-1	UTILITY BOX	1/2"	-	-	-
UR-1	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"
UR-2	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"
WC-1	WATER CLOSET (ACCESSIBLE)	1 1/2"	-	4"	2"
WC-2	WATER CLOSET (ACCESSIBLE)	1 1/2"	-	4"	2"



INSTALL ABOVE COUNTER DEVICE AT 44" ABOVE FINISHED FLOOR.

INSTALL ABOVE COUNTER DEVICE AT 40" ABOVE FINISHED FLOOR.

INSTALL DEVICE AT 18" ABOVE FINISHED FLOOR.

ADA GUIDELINES - FRONT ACCESS

INSTALL DEVICE AT 44" ABOVE FINISHED FLOOR.

INSTALL DEVICE AT 42" ABOVE FINISHED FLOOR.

ADA GUIDELINES - SIDE ACCESS

ADA STANDARDS FOR ACCESSIBLE DESIGN

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO PLUMBING AND MECHANICAL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
10. SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
11. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
14. DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
3. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
4. ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874
5. VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
6. REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.

PLUMBING SLOPE REQUIREMENTS:

BASED ON PLUMBING CODE: UPC-2021

INTERIOR:	
SANITARY WASTE:	1/4" PER FOOT
GREASE WASTE:	1/4" PER FOOT
STORM (GRAVITY):	1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

PLUMBING SHEET INDEX

P000	PLUMBING COVERSHEET
P100N	NORTH CONCESSIONS BUILDING PLANS - PLUMBING
P100S	SOUTH CONCESSIONS BUILDING PLANS - PLUMBING
P101	MAINTENANCE BUILDING PLANS - PLUMBING
P400	PLUMBING DETAILS
P600	PLUMBING SCHEDULES
GRAND TOTAL: 6	

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

PLUMBING COVERSHEET

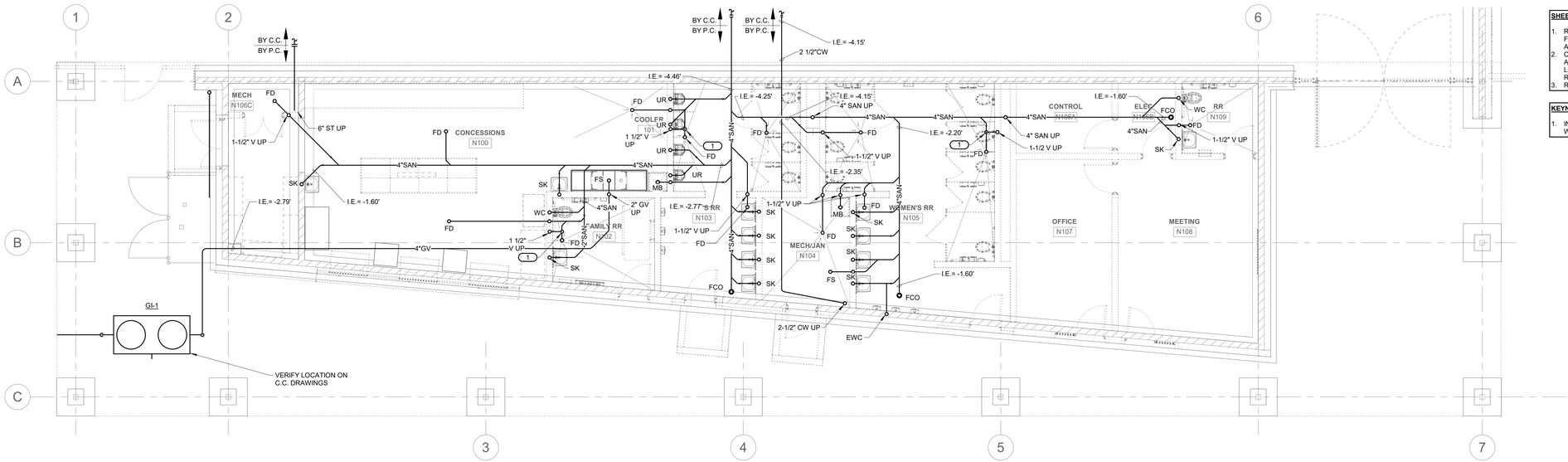
P000

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

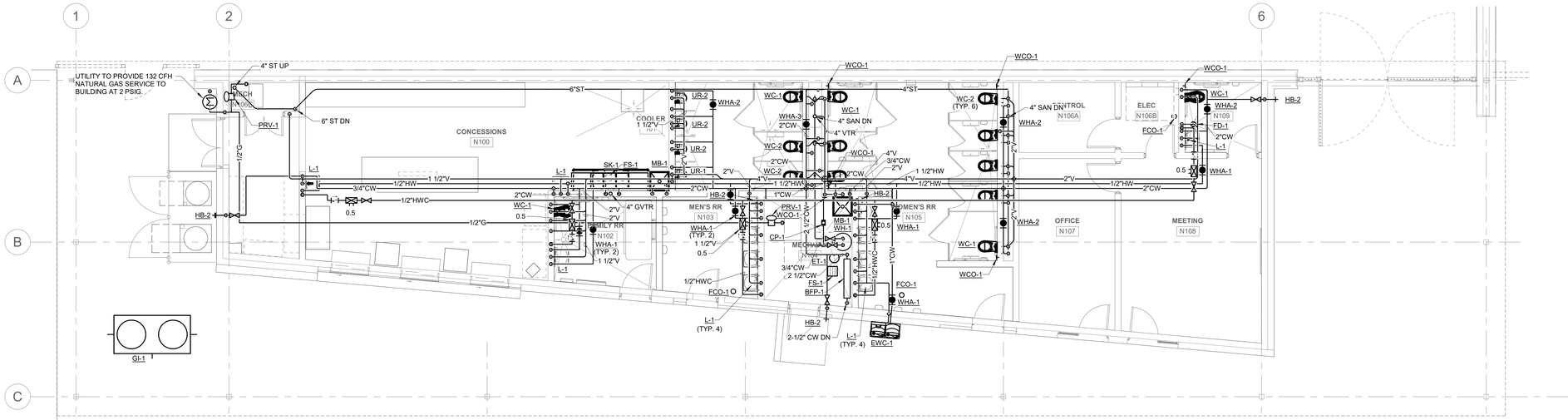
0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 10:52:46 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



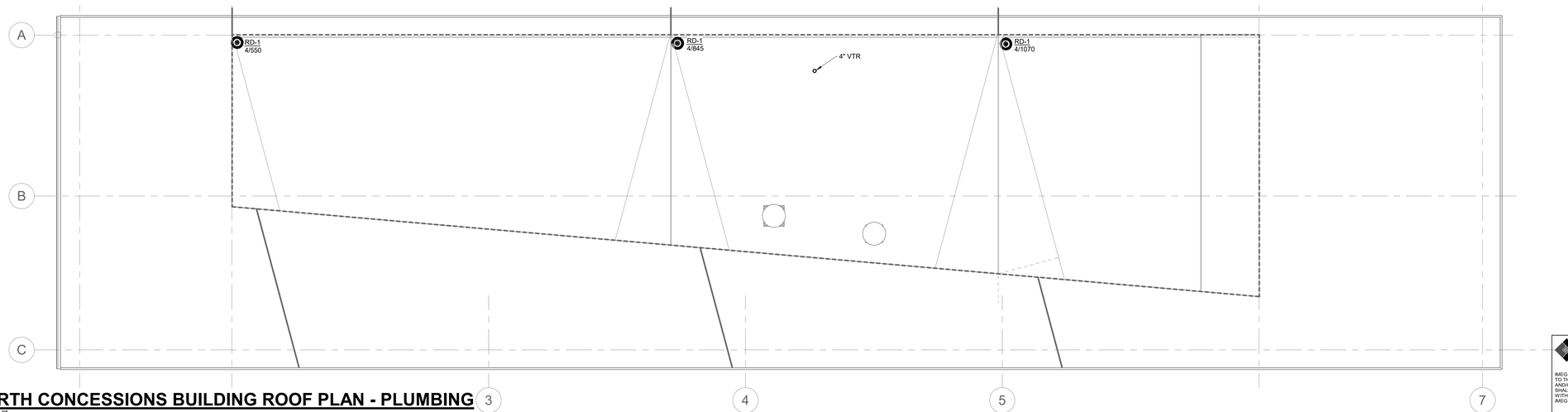
1 UNDERFLOOR NORTH CONCESSIONS & OFFICE COMBINED - PLUMBING

3/16" = 1'-0"



2 NORTH CONCESSIONS & OFFICE COMBINED - PLUMBING

3/16" = 1'-0"



3 NORTH CONCESSIONS BUILDING ROOF PLAN - PLUMBING

3/16" = 1'-0"

SHEET NOTES:

1. REFERENCE P000 PLUMBING COVERSHEET FOR PLUMBING SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE P600 FOR PLUMBING SCHEDULES.

KEYNOTES: (#)

1. INSTALL VENT PIPING AT 45 DEGREES INTO WALL.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Is In Shape www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

NORTH CONCESSIONS BUILDING PLANS - PLUMBING

P100N

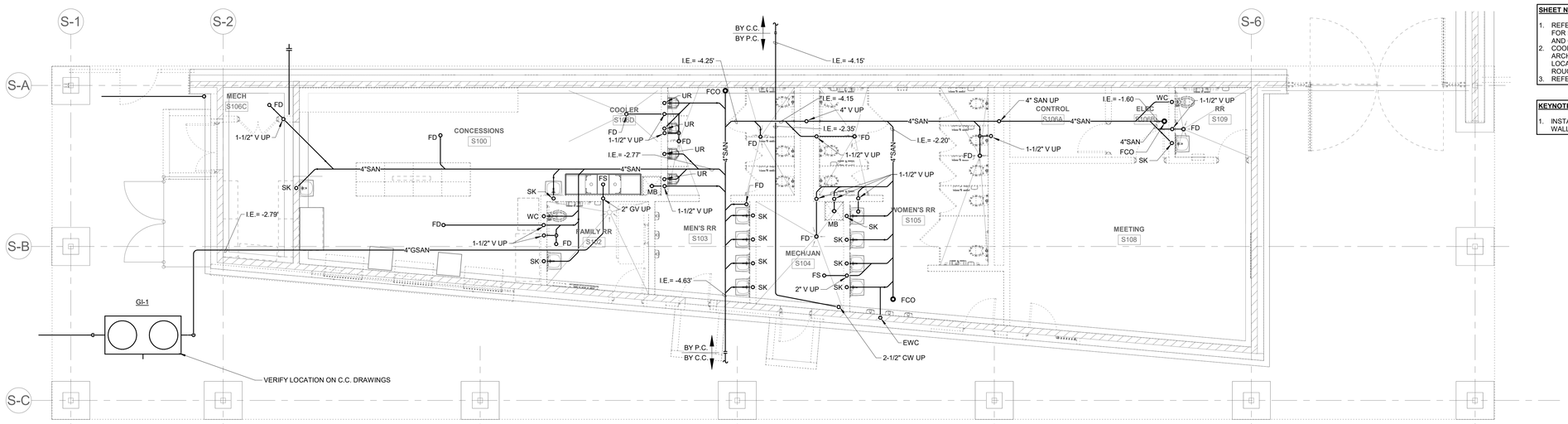
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

REF. SCALE IN INCHES 0 1 2 3

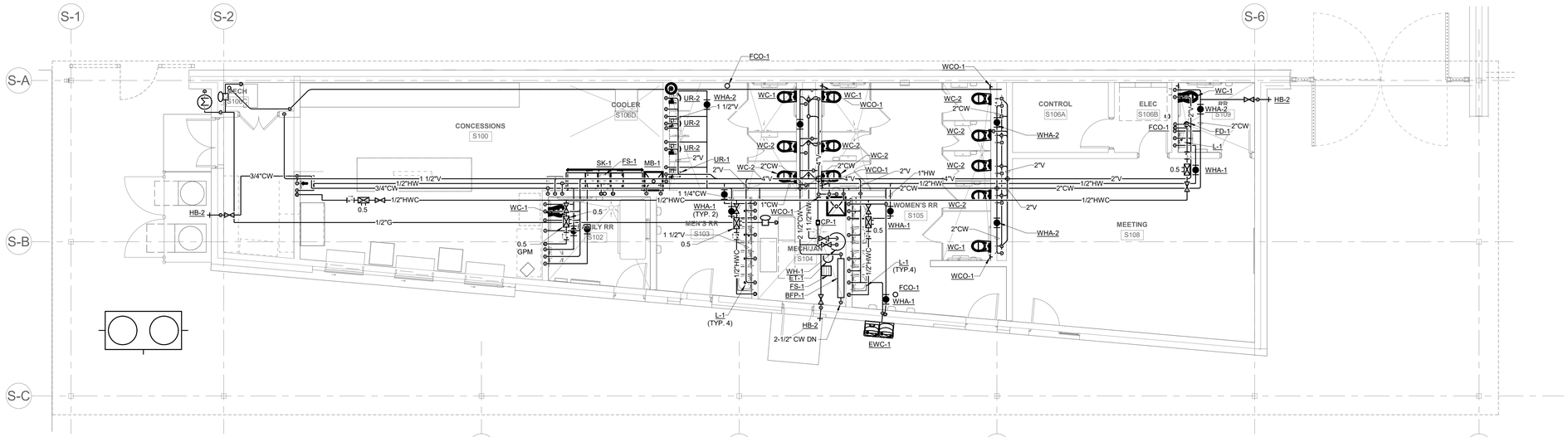
PROJECT #23000288.00

4/25/2023 10:52:54 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



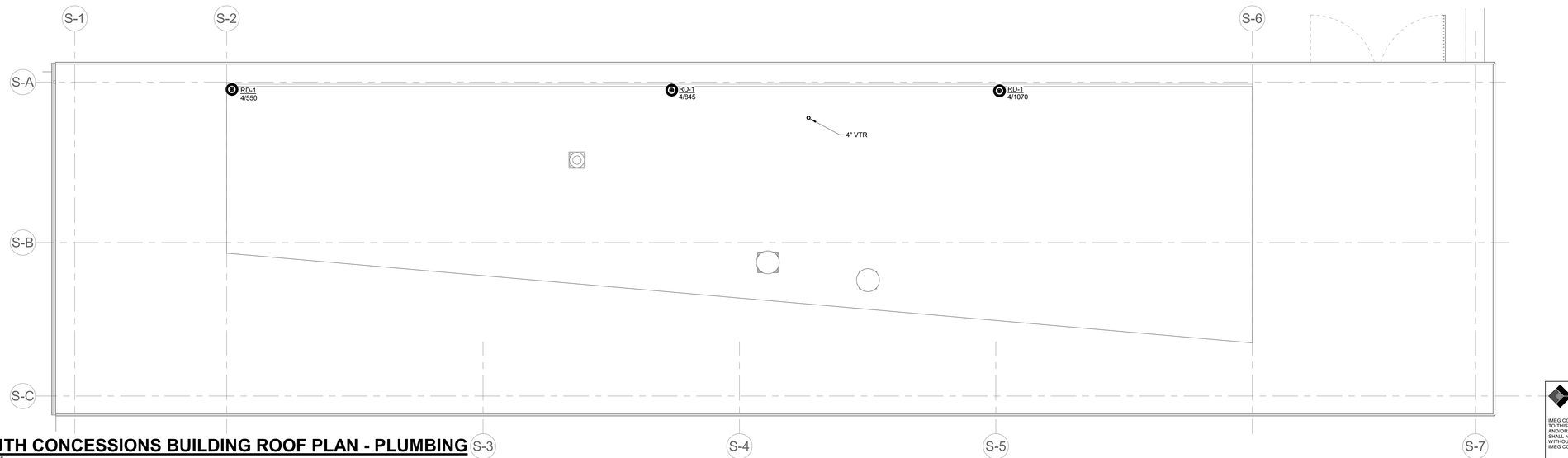
2 SOUTH CONCESSIONS UNDERFLOOR PLAN - PLUMBING

3/16" = 1'-0"



1 SOUTH CONCESSIONS FLOOR PLAN - PLUMBING

3/16" = 1'-0"



3 SOUTH CONCESSIONS BUILDING ROOF PLAN - PLUMBING

3/16" = 1'-0"

SHEET NOTES:

1. REFERENCE P000 PLUMBING COVERSHEET FOR PLUMBING SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE P600 FOR PLUMBING SCHEDULES.

KEYNOTES: (#)

1. INSTALL VENT PIPING AT 45 DEGREES INTO WALL.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The Power To Be Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

SOUTH CONCESSIONS BUILDING PLANS - PLUMBING

P100S

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9908 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

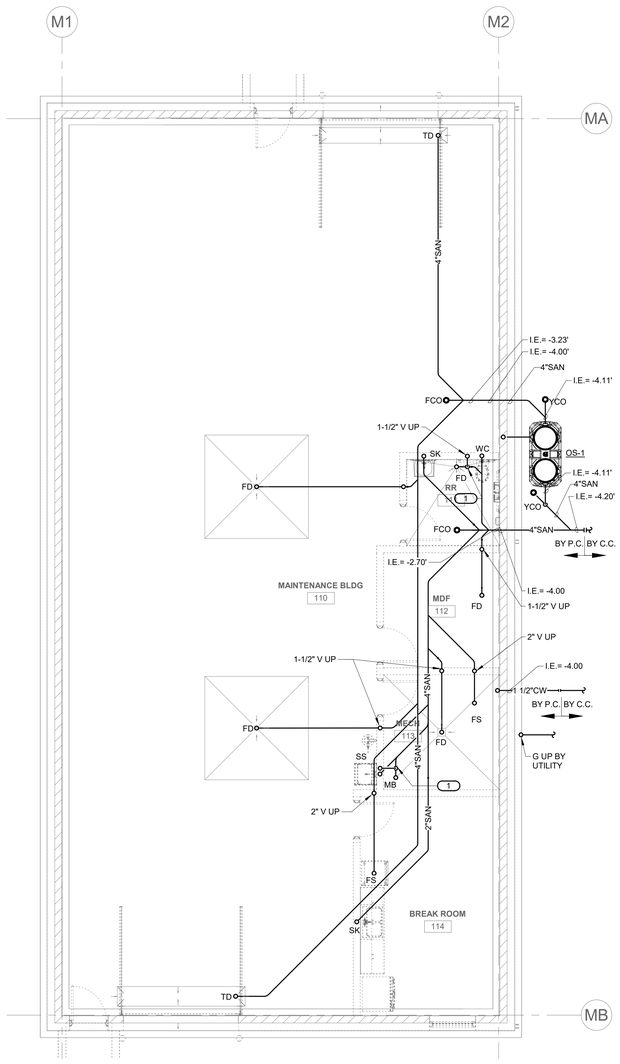
4/25/2023 10:53:01 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

SHEET NOTES:

1. REFERENCE P000 PLUMBING COVERSHEET FOR PLUMBING SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE P600 FOR PLUMBING SCHEDULES.

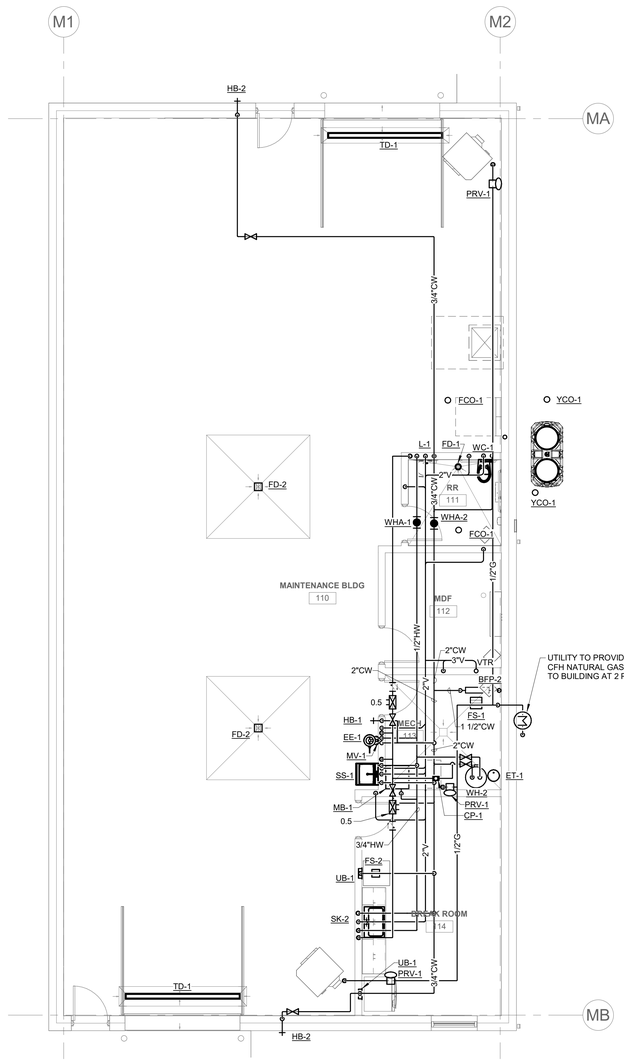
KEYNOTES: (#)

1. INSTALL VENT PIPING AT 45 DEGREES INTO WALL.



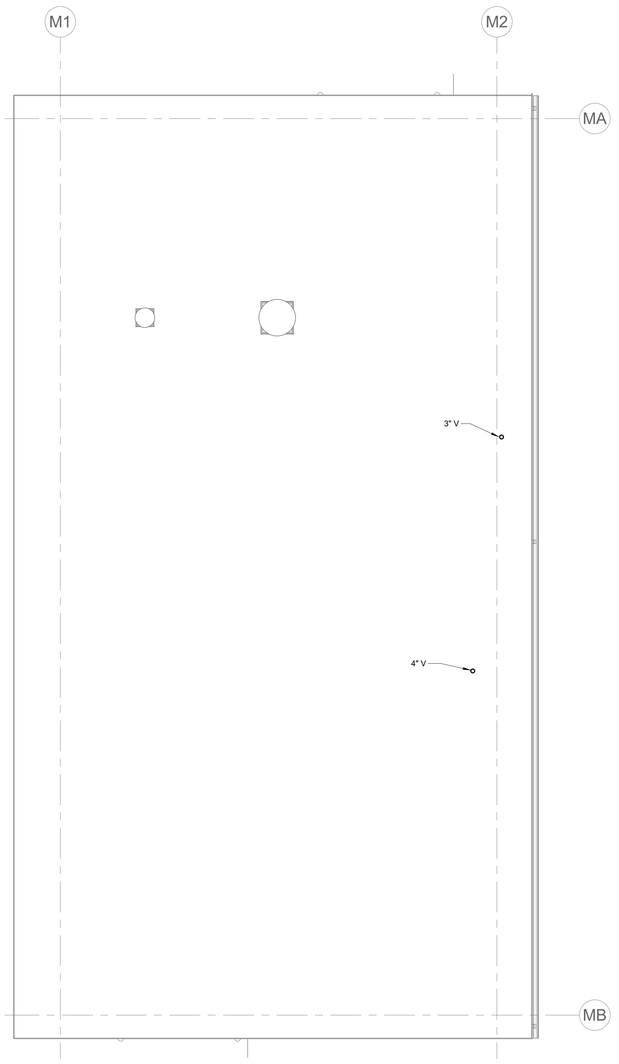
1 UNDERFLOOR MAINTENANCE BUILDING PLAN - PLUMBING

3/16" = 1'-0"



2 MAINTENANCE BUILDING PLAN - PLUMBING

3/16" = 1'-0"



3 MAINTENANCE BUILDING ROOF PLAN - PLUMBING

3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

IMEG
The POWER Built Smarter
www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

MAINTENANCE BUILDING PLANS - PLUMBING

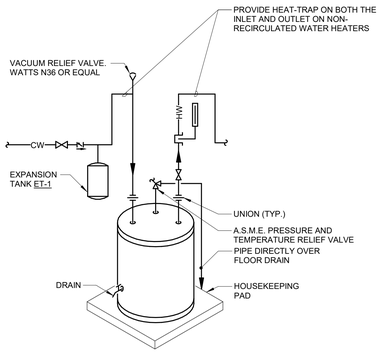
P101

IMEG
2892 106TH STREET
DES MOINES, IA 50322
P: 515.334.9908 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

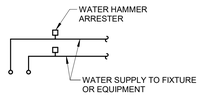
4/25/2023 10:53:05 AM
Autodesk Docs://22038 Grimesplex/IMEP22_23000288.00_22038 Grimesplex_C.rvt



1 WATER HEATER - ELECTRIC TANK
NO SCALE

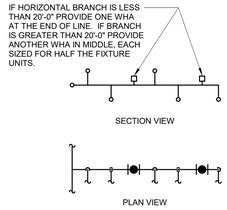
PROVIDE WATER HAMMER ARRESTER (WHA-#) AT PLUMBING FIXTURES AND QUICK CLOSING VALVES AS INDICATED ON DRAWINGS AND AS RECOMMENDED BY STANDARD PDI-WH201. REFER TO PLUMBING MATERIAL LIST FOR WATER HAMMER ARRESTER DESCRIPTION.

SINGLE / DOUBLE FIXTURE



PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	155-330

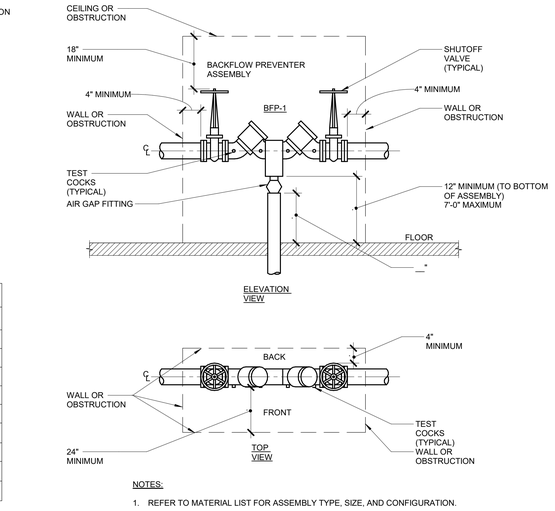
MULTIPLE FIXTURES



FIXTURE UNIT CALCULATION		
FIXTURE	COLD	HOT
WATER CLOSET (F.V.)	10	--
WATER CLOSET (TANK)	5	--
URINAL	5	--
LAVATORY	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	3
DRINKING FOUNTAIN	2	-
KITCHEN SINK	2	2
ICE MAKER / BEVERAGE	1	-

INSTALL WHA'S PER PDI STANDARDS AND MANUFACTURER'S INSTRUCTIONS. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE WHA AS SHOWN PER THE TABLES ABOVE. PROVIDE ACCESSIBILITY TO WHA WITH ACCESS PANEL OR INSTALL ABOVE ACCESSIBLE CEILING.

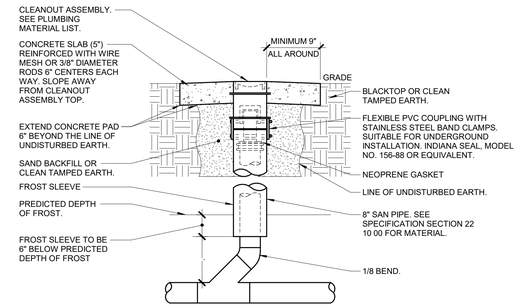
2 WATER HAMMER LOCATION AND SCHEDULE
NO SCALE



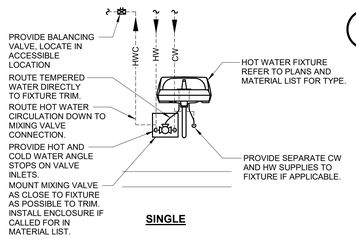
NOTES:

1. REFER TO MATERIAL LIST FOR ASSEMBLY TYPE, SIZE, AND CONFIGURATION.

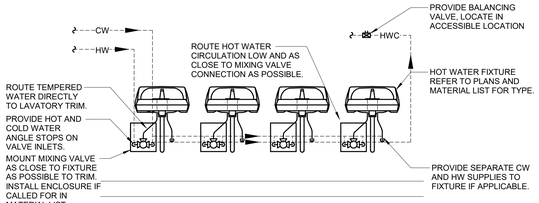
3 BACKFLOW PREVENTER DETAIL
NO SCALE



4 YARD CLEANOUT
NO SCALE



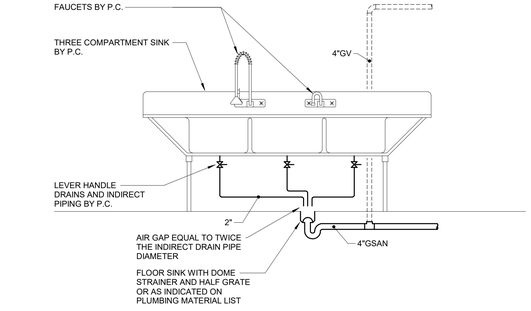
SINGLE



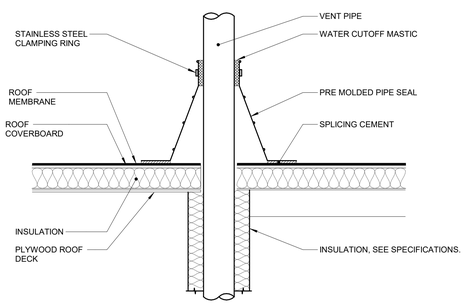
MULTIPLE/BANK

LAVATORY SHOWN; DETAIL IS APPLICABLE TO ALL HW FIXTURES AND DEVICES (E.G. LAVATORIES, SINKS, SHOWERS, TUBS, MOP SINKS, LAUNDRY TUBS, ETC.).

5 LAVATORY MIXING VALVE
NO SCALE



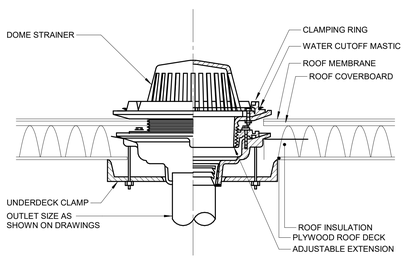
6 KITCHEN SINK - THREE COMPARTMENT
NO SCALE



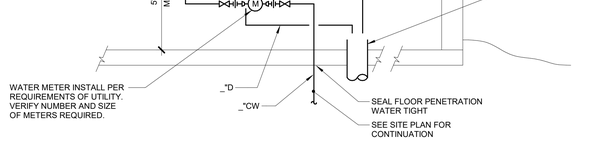
NOTES:

1. VENT PIPE SHALL BE A MINIMUM OF 3" DIAMETER UNLESS NOTED LARGER ON FLOOR PLANS. INCREASERS, IF REQUIRED TO TRANSITION TO THE LARGER VTR SIZE, MUST BE INSTALLED AT LEAST 12 INCHES BELOW THE THERMAL ENVELOPE OF THE BUILDING.
2. EXTEND VENT PIPE AT LEAST 7 FEET ABOVE ROOF LEVEL WHEN ROOF AREA IS INTENDED TO BE USED BY THE GENERAL PUBLIC. THIS INCLUDES PROMENADES, OBSERVATION DECKS, ETC. THIS IS NOT REQUIRED FOR ROOFS THAT ARE ACCESSIBLE BY MAINTENANCE PERSONEL ONLY.

8 VENT PIPE FLASHING
NO SCALE



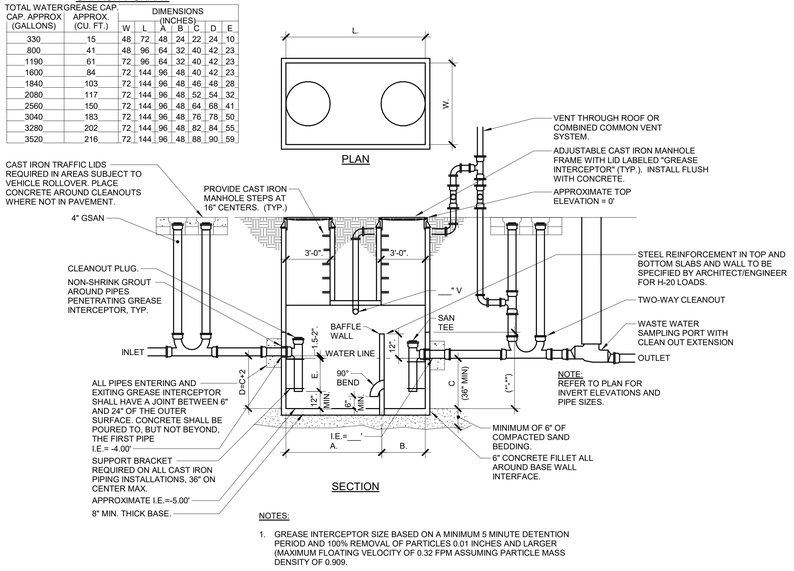
9 ROOF DRAIN
NO SCALE



10 DOMESTIC WATER ENTRANCE SINGLE METER
NO SCALE

CAPACITY CHART

TOTAL WATER CAP. APPROX (GALLONS)	GREASE CAP. APPROX. (CU. FT.)	DIMENSIONS (INCHES) W	L	A	B	C	D	E
330	15	48	72	48	24	22	24	10
800	41	48	96	64	32	40	42	23
1190	61	72	96	64	32	40	42	23
1600	84	72	144	96	48	40	42	23
1840	103	72	144	96	48	46	48	28
2080	117	72	144	96	48	52	54	32
2560	150	72	144	96	48	64	68	41
3040	183	72	144	96	48	76	78	50
3280	202	72	144	96	48	82	84	55
3520	216	72	144	96	48	88	90	59



NOTES:

1. GREASE INTERCEPTOR SIZE BASED ON A MINIMUM 5 MINUTE DETENTION PERIOD AND 100% REMOVAL OF PARTICLES 0.01 INCHES AND LARGER (MAXIMUM FLOATING VELOCITY OF 0.32 FPM ASSUMING PARTICLE MASS DENSITY OF 0.909.

7 GREASE INTERCEPTOR - EXTERIOR CONCRETE
NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Is in Shape www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

PLUMBING DETAILS

P400

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 10:53:05 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
BFP-1	BACK FLOW PREVENTER - REDUCED PRESSURE ZONE, FDA APPROVED EPOXY COATED CAST IRON OR STAINLESS STEEL, SIZE SAME AS PIPE [2 1/2" - 10"], NON-CORROSIVE INTERNAL PARTS, STAINLESS STEEL SPRINGS, DIFFERENTIAL PRESSURE RELIEF VALVE BETWEEN SPRING-LOADED CHECK VALVES, GATE STYLE SHUT-OFF VALVES ON INLET AND OUTLET OF UNIT, AIR GAP DRAIN FITTING, TEST PORTS WITH SHUT-OFF VALVES, RATED FOR 175 PSI AT 33°F TO 140°F, 15 PSI (MAXIMUM) PRESSURE DROP AT 10 FPS, FACTORY TESTED, ALL PARTS TO BE SERVICEABLE WITHOUT REMOVING UNIT FROM LINE, APPROVED BY USC FCCC & HR, AWWA C511-92, ASSE 1013, IAPMO AND SBCCI LISTED. MOUNT WITHIN 60" OF FINISHED FLOOR. ROUTE DRAIN PIPE FROM AIR GAP FITTING TO FLOOR DRAIN. PROVIDE AND INSTALL BRONZE OR EPOXY COATED STRAINER UPSTREAM OF EACH UNIT AND ADDITIONAL VALVE UPSTREAM OF EACH STRAINER. FLOW PRESSURE DROP CURVES SHALL BE SUBMITTED.	WILKINS (375), APOLLO (RPLF4A), WATTS (957), MIFAB (BEECO BARRACUDA 40 FRP SS)
BFP-2	BACK FLOW PREVENTER - REDUCED PRESSURE ZONE, LEAD FREE BRONZE CONSTRUCTION, SIZE SAME AS PIPE [1/2" to 2"], NON-CORROSIVE INTERNAL PARTS, STAINLESS STEEL SPRINGS, DIFFERENTIAL PRESSURE RELIEF VALVE BETWEEN SPRING-LOADED CHECK VALVES, BALL STYLE SHUT-OFF VALVES ON INLET AND OUTLET OF UNIT, AIR GAP DRAIN FITTING, TEST PORTS WITH SHUT-OFF VALVES, RATED FOR 175 PSI AT 33°F TO 140°F, 15 PSI (MAXIMUM) PRESSURE DROP AT 10 FPS, FACTORY TESTED, ALL PARTS TO BE SERVICEABLE WITHOUT REMOVING UNIT FROM LINE, APPROVED BY USC FCCC & HR, AWWA C511-92, ASSE 1013, IAPMO AND SBCCI LISTED. MOUNT WITHIN 60" OF FINISHED FLOOR. ROUTE DRAIN PIPE FROM AIR GAP FITTING TO FLOOR DRAIN. PROVIDE AND INSTALL BRONZE OR EPOXY COATED STRAINER UPSTREAM OF EACH UNIT AND ADDITIONAL VALVE UPSTREAM OF EACH STRAINER. FLOW PRESSURE DROP CURVES SHALL BE SUBMITTED.	WATTS (LF009), WILKINS (375XL), FEBCO (LF860), APOLLO (RPLF4A)
CP-1	CIRCULATING PUMP - LEAD FREE BRONZE CONSTRUCTION, PERMANENTLY LUBRICATED SEALED BEARINGS, MECHANICAL SEAL, OIL LUBRICATED, OPEN DRIP-PROOF NON OVERLOADING MOTOR WITH THERMAL OVERLOAD PROTECTION, FLANGED CONNECTIONS, RATED FOR 125 PSIG AT 225°F, UL LISTED. 2.5 GPM @ 6.46 FEET OF HEAD. MOTOR SHALL BE 1/6 HP OPERATING AT 3300 RPM. AQUASTAT - LINE VOLTAGE, ADJUSTABLE SETTING OF 90-180°F WITH STRAP-ON REMOTE SENSOR BULB, UL LISTED. PROVIDE WITH TRANSFORMER IF REQUIRED. INSTALL PER MANUFACTURERS INSTRUCTIONS. ELECTRICAL REQUIREMENTS - 120V-1 PHASE (HARD-WIRE)	PUMP - B&G (PL SERIES), TACO (OO SERIES), GRUNDFOS (UP SERIES) AQUASTAT - HONEYWELL, WHITE-RODGERS, JOHNSON CONTROLS, SAME AS PUMP MANUFACTURER
EE-1	EMERGENCY EYE/FACE WASH - ACCESSIBLE, WALL MOUNTED, PLASTIC BOWL WITH HINGED DUST COVER, TWIN SPRAY HEADS WITH CAPS AND RETAINING CHAINS/STRAPS, BRASS SUPPLY ARMS, INTEGRAL FLOW CONTROL FITTING, BRASS PIPING AND FITTINGS WITH BRASS/BRONZE STAY OPEN BALL VALVE, 1-1/4" DRAIN OUTLET WITH CHROME PLATED BRASS TAILPIECE AND TRAP, UNIVERSAL IDENTIFICATION SIGN, ANSI Z358.1-2004 COMPLIANT. MINIMUM FLOW RATE OF 3.0 GPM AT 30 PSI. ACTIVATION TIME SHALL BE 1 SECOND OR LESS. BRASS/BRONZE PIPING, FITTINGS, AND VALVES SHALL BE CHROME-PLATED OR CHEMICAL-RESISTANT POWDER COATED. MOUNT WITH OUTLET HEADS AT 36" ABOVE FINISH FLOOR WITH MINIMUM 27" OF KNEE CLEARANCE BELOW, AND MINIMUM OF 19" OF CLEARANCE FROM CENTER OF BOWL TO WALL OR OBSTRUCTION. IN COMPLIANCE WITH LATEST ADA AND ANSI 117.1 STANDARDS. MIXING VALVE - THERMOSTATIC MIXING VALVE FOR EMERGENCY EYEWASH OR COMBINATION EYE/WASH/SHOWER/FACE WASH FIXTURE, BRONZE BODY CONSTRUCTION, COLD WATER BYPASS, OUTLET THERMOMETER, COMBINATION CHECK STOPS OR SEPARATE SUPPLY CHECK VALVES AND SHUT OFF VALVES, MOUNTING BRACKET. SUPPLY SHUT OFF VALVES SHALL BE LOCKED OPEN OR CONTRACTOR SHALL PROVIDE A LOCKING CABINET TO PREVENT UNAUTHORIZED CLOSURE. CABINET SHALL BE [SURFACE MOUNTED] 18 GAUGE [STAINLESS] STEEL WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET CHECK STOPS, OUTLET THERMOMETER. THERMOSTATIC MIXING AND PRESSURE REGULATING VALVES TO DELIVER 3 GPM OF TEMPERED WATER (60-100 DEGREE F) WITH 10 PSI PRESSURE DIFFERENTIAL. EYEWASH SHALL COMPLY WITH ANSI Z358.1 AND ASME A112.18.1. MIXING VALVE SHALL BE ASSE 1071 LISTED AND APPROVED.	BRADLEY (S19224 SERIES), ACORN SAFETY (SO420), ENCON (01035501), GUARDIAN (G1750P), SPEAKMAN (SE-495) MIXING VALVE - LEONARD (TA-LF), ACORN CONTROLS (ET71 SERIES), ARMSTRONG (Z358), APOLLO (34ELF), BRADLEY (S19 SERIES), HAWS (TWBS.EWE), LAWLER (911E/F), POWERS (ES), SPEAKMAN (TW), GUARDIAN (G6020)
ET-1	EXPANSION TANK - WELDED STEEL CONSTRUCTION, GUARANTEED AIRTIGHT AND LEAKPROOF, STAINLESS STEEL SYSTEM CONNECTION, HEAVY DUTY BUTYL DIAPHRAGM AND RIGID POLYPROPYLENE LINER MECHANICALLY BONDED TO TANK TO PROVIDE A 100% NON-CORROSIVE WATER RESERVOIR, DIAPHRAGM AND LINER SHALL BE APPROVED FOR USE IN POTABLE WATER SYSTEMS, ALL WETTED COMPONENTS OF FDA APPROVED MATERIALS. PROVIDE STANDARD SCHRADER AIR VALVE FOR FIELD CHARGING. TANK SHALL COMPLY WITH FEDERAL ACT S.3874. MINIMUM TANK VOLUME TO BE [___] GALLONS MINIMUM ACCEPTING VOLUME TO BE [___] GALLONS TANK SHALL HAVE A WORKING TEMPERATURE OF 200°F AND A WORKING PRESSURE OF [125][150] PSIG. FACTORY PRE-CHARGED FOR SHIPPING. FIELD CHARGE TANK TO [55][___] PSIG.	EXPANSION TANK - AMTROL (THERM-X-TROL ST-[___]), B&G (PT), FLEXTRON (FTT), WATTS (PLT), WESSELS (T)
EWC-1	ELECTRIC WATER COOLER - WALL HUNG, ADA COMPLIANT WITH MATCHING STAINLESS STEEL APRON INSTALLED UNDER UPPER UNIT, BI-LEVEL STAINLESS STEEL RECTANGULAR NON-SPLASH BASINS WITH STAINLESS STEEL FINISH, PERFORATED DRAINS, STREAM PROJECTORS WITH PROTECTIVE HOODS, PUSH BUTTON OPERATING CONTROLS ON FRONT, BUILT-IN FLOW REGULATORS, PLASTIC P-TRAP ASSEMBLIES, CONFORM TO LATEST ANSI A117.1 AND ADA STANDARDS. UNIT SHALL COMPLY WITH FEDERAL ACT S.3874. ORIFICE SHALL BE AT 36" (MAXIMUM) ABOVE FINISHED FLOOR ON LOWER UNIT AND 40" ABOVE FINISHED FLOOR ON UPPER UNIT. BOTTOM OF LOWER UNIT SHALL BE AT 27" ABOVE FINISHED FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. PROVIDE DRINKING FOUNTAIN WITH FREEZE RESISTANT PACKAGE	ELECTRIC WATER COOLER -ELKAY (EDFP217FPK) OR APPROVED EQUAL FREEZE RESISTANT PACKAGE - ELKAY (LKFRB1) OR APPROVED EQUAL
FCO-1	FLOOR CLEANOUT - ADJUSTABLE, CAST IRON HOUSING, ANCHOR FLANGE, TAPERED THREAD PLUG, SECURED NICKEL BRONZE TOP. TOP STYLE SHALL MATCH FLOOR FINISH AS FOLLOWS: UNFINISHED FLOOR - ROUND SOLID SCORIATED TOP	ZURN (Z1400), JOSAM (55000), MIFAB (C1100), SMITH (4000), WADE (6000), WATTS (CO-200)

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
FD-1	FLOOR DRAIN - CAST IRON BODY, NICKEL BRONZE ADJUSTABLE TOP, 5" ROUND , 3" BOTTOM OUTLET, FLASHING COLLAR, . TRAP SEAL - 3", PLASTIC HOUSING WITH FLEXIBLE DIAPHRAGM, SEALING GASKETS, RECLOSES AND SEALS WHEN DISCHARGE IS COMPLETED, ASSE 1072.	FLOOR DRAIN - ZURN (Z-415), SMITH (2005), WADE (1100), JOSAM (30000), WATTS (FD-100), MIFAB (F1100), SUN (FD1000) TRAP SEAL - SURE SEAL (SS), PROVENT (TRAP GUARD), SMITH (QUAD CLOSE), GREEN DRAIN, MIFAB (MI-GARD)
FD-2	FLOOR DRAIN - CAST IRON BODY, NICKEL BRONZE ADJUSTABLE TOP, 8" SQUARE, 3" BOTTOM OUTLET, FLASHING COLLAR.	FLOOR DRAIN - ZURN (Z-415), SMITH (2005), WADE (1100), JOSAM (30000), WATTS (FD-100), MIFAB (F1100), SUN (FD1000) TRAP SEAL - SURE SEAL (SS), PROVENT (TRAP GUARD), SMITH (QUAD CLOSE), GREEN DRAIN, MIFAB (MI-GARD)
FS-1	FLOOR SINK - CAST IRON BODY, NICKEL BRONZE RIM AND GRATE, 12" SQUARE, 4" BOTTOM OUTLET, 6" DEEP RECEPTOR WITH STAINLESS STEEL MESH SEDIMENT BUCKET, ACID RESISTANT COATED INTERIOR, SEEPAGE FLANGE WITH CLAMP.	ZURN (Z1901), SMITH (3151), WADE (9140), JOSAM (49340A). WATTS (FS-740), SIOUX CHIEF (861-2xXFNWC), SUN (FS2000). MIFAB (FS1730)
FS-2	FLOOR SINK - CAST IRON BODY, NICKEL BRONZE RIM AND GRATE, 8" SQUARE, 2" BOTTOM OUTLET, 6" DEEP RECEPTOR WITH ALUMINUM DOME STRAINER, ACID RESISTANT COATED INTERIOR, SEEPAGE FLANGE WITH CLAMP.	ZURN (Z1910), SMITH (3101), WADE (W-9110), JOSAM (49300), WATTS (FS-710), SIOUX CHIEF (861-2xXFNWC), SUN (FS2300). MIFAB (FS1520)
GI-1	GREASE INTERCEPTOR - EXTERIOR, UNDERGROUND, CONCRETE MANHOLE CONSTRUCTION, INTERNAL AND EXTERNAL ACID RESISTANT COATING, INTEGRAL AIR RELIEF, INTEGRAL CLEANOUT, GASKETED H-20 LOAD RATED STEEL COVER WITH LOCK AND LIFT RING. [___] GPM MAXIMUM FLOW, 1000 GALLONS HOLDING CAPACITY, ESTIMATED [___] MONTH PUMP OUT SCHEDULE.	REFER TO GREASE INTERCEPTOR DETAIL
HB-1	HOSE BIBB - FOR INDOOR USE, BRASS VALVE BODY AND SEAT, STANDARD FINISH, NON-FERROUS METAL STEM, AUTOMATIC DRAINING, VACUUM BREAKER, 3/4" MALE HOSE THREAD, KEY OPERATED, 360 DEGREE SWIVEL INLET, ASSE 1019 OR 1052 LISTED AND APPROVED. VERIFY NUMBER OF KEY OPERATORS TO BE PROVIDED WITH OWNER. MOUNT AT 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON DRAWINGS.	PRIER (C-633NSV), WOODFORD (79), WATTS (HY-440), MIFAB (MHY-50)
HB-2	HOSE BIBB - FREEZELESS WALL HYDRANT, BRASS VALVE BODY AND SEAT, STANDARD FINISH, NON-FERROUS METAL STEM, AUTOMATIC DRAINING, VACUUM BREAKER, 3/4" MALE HOSE THREAD, WALL CLAMP, CONCEALED IN FLUSH MOUNTED LOCKABLE WALL BOX, KEY OPERATED, ASSE 1019 OR 1052 LISTED AND APPROVED. VERIFY NUMBER OF KEY OPERATORS TO BE PROVIDED WITH OWNER. BOX COVER AND HYDRANT SHALL USE A COMMON KEY. MOUNT AT 18" ABOVE GRADE UNLESS NOTED OTHERWISE ON DRAWINGS.	PRIER (C-634BX), WOODFORD (B67), ZURN (Z1300), WATTS (HY-725), MIFAB (MHY-20), SMITH (5509QT), WADE (8700)
L-1	LAVATORY - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, 20"x18", 4" HIGH CONTOURED BACKSPLASH, SINGLE FAUCET HOLE, DRILLED FOR CONCEALED ARM CARRIER. LAVATORY TRIM - SENSOR ACTIVATED MIXING FAUCET, HARD-WIRED, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SPOUT WITH VANDAL RESISTANT AERATOR, SINGLE HOLE, PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE, SOLID BRASS SOLENOID WITH BUILT-IN FILTER, WATERPROOF CONNECTORS AND CABLE , UL APPROVED TRANSFORMER. ELECTRICAL REQUIREMENTS - 120 VAC INPUT MOUNT CONTROLS IN WATERPROOF VANDAL-RESISTANT ENCLOSURE BELOW LAVATORY. PROVIDE TRANSFORMER WITH CABLE EXTENSIONS (AS REQUIRED) OR PLUG-IN TRANSFORMER. MOUNT TRANSFORMER ABOVE CEILING OR IN ACCESSIBLE PIPE CHASE. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR. SELECT TRANSFORMER TO SERVE MAXIMUM NUMBER OF ELECTRONIC VALVES TO REDUCE AMOUNT OF TRANSFORMERS. MAXIMUM FLOW TO BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED. MOUNT MIXING VALVE UNDER COUNTER/LAVATORY. MIXING VALVE SHALL NOT BE WYE PATTERN STYLE. MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE ARRANGEMENT FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, UNIONTHREADED INLETS WITH STRAINERS, COMBINATION CHECK STOPS OR SEPARATE SUPPLY CHECK VALVES AND SHUT OFF VALVES. CABINET - SURFACE MOUNTED 18 GAUGE STAINLESS STEEL CABINET WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET STOPS, OUTLET THERMOMETER, AND OUTLET VALVES. RATED FOR [___] GPM OUTPUT MAXIMUM AT [___] PSI DIFFERENTIAL AND 0.5 GPM OUTPUT MINIMUM. UNIT TO MIX [120] [140] [___] DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET. UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. [PROGRAMMING UNIT - HAND HELD, CAPABLE OF CHANGING SETTINGS, RUNNING DIAGNOSTICS, AND SCAN FAUCETS WITH ISSUES. PROVIDE ONE CONTROLLER FOR EVERY [25][50][100]] FAUCETS.] INSULATION KIT - PRE-MANUFACTURED FOR P-TRAP, STOP VALVES AND SUPPLY LINES. ACCESSORIES - QUARTER-TURN 3/8" CHROME PLATED HEAVY BRASS ANGLE SUPPLY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES, DRAIN AND TAILPIECE, 1-1/4" 17 GAUGE CAST BRASS P-TRAP, SUPPORT CARRIER. MOUNT LAVATORY WITH SUPPORT CARRIER BOLTED SECURELY TO FLOOR. TOP OF RIM SHALL BE AT [31"][34"] ABOVE FLOOR [IN COMPLIANCE WITH LATEST ADA STANDARD]. [PROVIDE 29" MINIMUM CLEARANCE FROM FLOOR TO BOTTOM OF APRON IN COMPLIANCE WITH LATEST ANSI A117.1 AND ADA STANDARDS.] [ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.]	LAVATORY - AMERICAN STANDARD (0356.421), KOHLER (K-2007), SLOAN (SS-3103), TOTO (LT307), ZURN (Z5361) LAVATORY TRIM - DELTA (590T0), AMERICAN STANDARD (775B.205/PK00.HAC), CHICAGO FAUCET (116.706.AB.1), HYDROTEK (H-2603C-LR), MOEN (8302), SLOAN (ETF-610), SPEAKMAN (S-8800), ZURN (Z6913-XL), AMTC (AEF-301) MIXING VALVE - LEONARD (170-LF/270-LF/370-LF), ACORN CONTROLS (ST7069), APOLLO (34BLF), BRADLEY (S59 SERIES), LAWLER (310/570), POWERS (SERIES LFLM495), SYMMONS (8210CK MAXLINE SERIES), WATTS (LFMMV), WILKINS (ZW1070XL) INSULATION KIT - TRUEBRO (LAV-GUARD), BROCAR PRODUCTS (TRAP WRAP), MCGUIRE (PROWRAP), PLUMBEREX (PRO-EXTREME)
MB-1	MOP BASIN - PRECAST TERRAZZO, 24"x24"x12", STAINLESS STEEL INTEGRAL DRAIN WITH REMOVABLE STRAINER, 3" OUTLET, CONTINUOUS STAINLESS STEEL CAP ON ALL EDGES. TRIM - EXPOSED TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, SINGLE WING HANDLES, 1/4 TURN CERAMIC DISC CARTRIDGE, 3/4" HOSE THREAD SPOUT WITH INTEGRAL VACUUM BREAKER, WALL BRACE, PAIL HOOK, CHECK STOPS OR INLINE CHECK VALVES TO PREVENT THERMAL CROSSOVER. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - MOP HANGER, HOSE AND HOSE BRACKET, TRAP TWO 24" WIDE STAINLESS STEEL WALL GUARD	MOP BASIN - FIAT (TSB), ACORN (TSH), CREATIVE INDUSTRIES (MC), WILLIAMS (SB) TRIM - DELTA (28C2383), AMERICAN STANDARD (8344.012), CHICAGO FAUCETS (897-CP), MOEN (8124), SPEAKMAN (SC-5812), SYMMONS (S-2490), ZURN (Z841M1-XL)
MV-1	MIXING VALVE - THERMOSTATIC MIXING VALVE FOR EMERGENCY SHOWER OR COMBINATION SHOWER/EYEWASH FIXTURE, BRONZE BODY CONSTRUCTION, FAIL TO COLD WATER ONLY, INLET AND OUTLET THERMOMETERS, COMBINATION CHECK STOPS OR SEPARATE SUPPLY CHECK VALVES AND SHUT OFF VALVES, [OUTLET ISOLATION VALVE,] MOUNTING BRACKET. SUPPLY SHUT OFF VALVES SHALL BE LOCKED OPEN [OR CONTRACTOR SHALL PROVIDE A LOCKING CABINET] TO PREVENT UNAUTHORIZED CLOSURE. [CABINET SHALL BE [RECESSED][SURFACE MOUNTED] 18 GAUGE [STAINLESS][PAINTED] STEEL WITH 16 GAUGE LOCKING DOOR TO ENCLOSE VALVE, INLET CHECK STOPS, OUTLET THERMOMETER, [AND OUTLET VALVE].] DUAL THERMOSTATIC MIXING AND PRESSURE REGULATING VALVE TO DELIVER 25 GPM OF TEMPERED WATER (60-100 DEGREE F) WITH 10 PSI PRESSURE DIFFERENTIAL. UNIT SHALL BE ASSE 1071 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874.	LEONARD (TM-LF), ACORN CONTROLS (ET71 SERIES), ARMSTRONG (Z358), BRADLEY (S19), HAWS (9201H), LAWLER (911), POWERS (ETV400), GUARDIAN (G6040)
OS-1	OIL/SAND SEPARATOR - GRAVITY TYPE, POLYETHYLENE CONSTRUCTION, FIELD ADJUSTABLE EXTENSIONS TO GRADE, TWO VENT CONNECTIONS. CAPACITY SHALL BE 100 GPM, 68"x33"x51-1/2" DEEP OVERALL, 4" INLET/OUTLET, AND 3" VENT CONNECTIONS.	STRIEM (OS SERIES) OR APPROVED EQUAL
RD-1	ROOF DRAIN - CAST IRON BODY, SECURED CAST IRON DOME, 15" ROUND, BOTTOM OUTLET, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, BEARING PAN, ADJUSTABLE EXTENSION TO MATCH INSULATION THICKNESS, OUTLET SIZE AS LISTED ON DRAWINGS.	ZURN (Z-100), SMITH (1010), WADE (3000), JOSAM (21500), WATTS (RD-300), MIFAB (R1200), SUN (RD4000), FROET (200C)

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
SK-1	SINK - TRIPLE COMPARTMENT, 14 GAUGE STAINLESS STEEL, 96" (SIDE-TO-SIDE) x 27.5" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 24" x 15" x 12" DEEP, 8" BACKSPLASH WITH SLOPING TOP, 24" DRAINBOARDS, 3-1/2" DIAMETER DRAIN OUTLETS, 14 GAUGE STAINLESS STEEL TUBULAR LEGS WITH ADJUSTABLE BULLET SHAPED FEET, NSF COMPLIANT. SINK TRIM - TWO HANDLE MIXING VALVE, BRASS CONSTRUCTION, CHROME-PLATED FINISH, INDEXED LEVER HANDLES, ADJUSTABLE SUPPLY ARMS, WALL/SPLASH GUARD MOUNTED, INTEGRAL STOPS, 18" DOUBLE JOINTED SWINGING SPOUT, AERATOR. ACCESSORIES - REMOVABLE STRAINER PLATES AND NEOPRENE STOPPERS, 1-1/2" 17 GAUGE CHROME-PLATED BRASS TAILPIECES AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME PLATED SOFT COPPER SUPPLY LINES.	SINK - ELKAY (WNSF), JUST (NSFB), FRANKE COMMERCIAL (WTL) SINK TRIM - CHICAGO FAUCET (445-DJ18ABCP), T&S BRASS (B-0265), ZURN (Z-841K1-XL)
SK-2	SINK - SELF-RIMMING DOUBLE COMPARTMENT WITH FAUCET DECK [AND OVERFLOW IN EACH BOWL], 20 GAUGE TYPE 300 SERIES STAINLESS STEEL, COMPLETELY UNDERCOATED, 32" (SIDE-TO-SIDE) x 21" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 32" x 21" x 6" DEEP, 3-1/2" DIAMETER DRAIN OUTLET LOCATION CENTERED IN EACH BOWL, REMOVABLE TYPE 304 STAINLESS STEEL BASKET STRAINER AND NEOPRENE STOPPER. SINK TRIM - SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, CONVENTIONAL SWING SPOUT, NOMINAL 8" REACH, AERATOR, SUPPLIES AT 8" CENTERS. MAXIMUM FLOW TO BE [2.2 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A112.18.1M.] FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED. ACCESSORIES - 1-1/2" 20 GAUGE CHROME-PLATED BRASS TAILPIECES AND P-TRAP, QUARTER-TURN BALL VALVE TYPE 3/8" CHROME-PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, CHROME-PLATED SOFT COPPER SUPPLY LINES.	SINK - ELKAY (PSRLK99), JUST (DLJB-99), FRANKE (LBD), KINDRED (QDL), MOEN SINK TRIM - DELTA (100LF-HDF), AMERICAN STANDARD (4175.500), CHICAGO FAUCET (431-ABCP), ELKAY (LK1000CR), KOHLER (K-15171), MOEN (67425), SPEAKMAN (S-3762), SYMMONS (S-23)
SS-1	SERVICE SINK - SINGLE TUB, POLYPROPYLENE CONSTRUCTION, 20"x24", 14" DEEP BOWL, BAKED ENAMEL LEGS, FAUCET SHELF. SINK TRIM - TWO HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, DOMED SINGLE WING HANDLES, 4" CENTERS, 8" SWING SPOUT, AERATOR. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. ACCESSORIES - REMOVABLE STRAINER PLATE AND NEOPRENE STOPPER, 1-1/2" 17 GAUGE CHROME PLATED BRASS TAILPIECE, CHROME PLATED CAST BRASS P-TRAP, QUARTER-TURN 3/8" CHROME PLATED BRASS ANGLE SUPPLIES WITH LOOSE KEY STOPS, INLINE CHECK VALVES TO PREVENT THERMAL CROSSOVER, CHROME PLATED SOFT COPPER SUPPLY LINES.	SINK - FIAT (P-1), MUSTEE (14) TRIM - DELTA (27C4), AMERICAN STANDARD (7573.240), CHICAGO FAUCET (1891-XKABCP), MOEN (8273), ZURN (Z812F3-XL)
TD-1	TRENCH DRAIN - PRE-MANUFACTURED POLYSTYRENE TRENCH FORMING SYSTEM, 12" WIDE, 8 FOOT SECTIONS PRE-SLOPED AT 1/8" PER FOOT, ROUNDED BOTTOM, INTEGRAL DEFORMING GROVES, STEEL SUPPORT RAILS AND ANCHORING STUDS, HEAVY DUTY CAST IRON GRATE, H-20 RATED, INTEGRAL CATCH BASIN.	ABT (TF-14)
UB-1	UTILITY BOX - POLYSTYRENE CONSTRUCTION, 6"W BY 6"H BOX DIMENSIONS, MATCHING SNAP ON FACEPLATE, LOW LEAD 1/4 TURN SHUT OFF VALVE WITH INTEGRAL WATER HAMMER ARRESTOR. PROVIDE A 6 FOOT STAINLESS STEEL FLEXIBLE HOSE FOR CONNECTION TO EQUIPMENT.	OATEY (39142), SYMMONS (IM600A), WATER-TITE
UR-1	URINAL - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP SPUD, 2" OUTLET. FLUSH VALVE - EXPOSED, SENSOR OPERATION, HARD WIRED, 0.5 GALLON PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MANUAL OVER-RIDE, RANGE ADJUSTMENT SCREW, CHROME-PLATED COVER PLATE WITH TAMPER-PROOF SCREWS, CHLORAMINE RESISTANT MATERIALS, 3-YEAR WARRANTY. ELECTRICAL REQUIREMENTS - 120VAC INPUT CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN ACCESSORIES - SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF BOWL RIM SHALL BE AT 17" (MAXIMUM) ABOVE FLOOR IN COMPLIANCE WITH LATEST ADA STANDARDS. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	URINAL - AMERICAN STANDARD (6590.001), KOHLER (K-4991-ET), SLOAN (SU-1006/SU-1009), GERBER (27-780), TOTO (UT447), ZURN (Z5750) FLUSH VALVE - ZURN (ZEMS6003AV), SLOAN (ROYAL 186 ES-S), AMERICAN STANDARD (6062.051), HYDROTEK (H8-B1-05), MOEN (8315AC05), AMTC (AEF-801-HWCU-05)

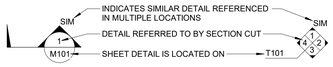
PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
UR-2	URINAL - WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP SPUD, 2" OUTLET. FLUSH VALVE - EXPOSED, SENSOR OPERATION, HARD WIRED, 0.5 GALLON PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MANUAL OVER-RIDE, RANGE ADJUSTMENT SCREW, CHROME-PLATED COVER PLATE WITH TAMPER-PROOF SCREWS, CHLORAMINE RESISTANT MATERIALS, 3-YEAR WARRANTY. ELECTRICAL REQUIREMENTS - 120VAC INPUT CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN ACCESSORIES - SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF BOWL RIM SHALL BE AT 16"-17" ABOVE FINISHED FLOOR (VERIFY EXACT MOUNTING HEIGHT WITH MANUFACTURER). VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	URINAL - AMERICAN STANDARD (6590.001), KOHLER (K-4991-ET), SLOAN (SU-1006/SU-1009), GERBER (27-780), TOTO (UT447), ZURN (Z5750) FLUSH VALVE - ZURN (ZEMS6003AV), SLOAN (ROYAL 186 ES-S), AMERICAN STANDARD (6062.051), HYDROTEK (H8-B1-05), MOEN (8315AC05), AMTC (AEF-801-HWCU-05)
WC-1	WATER CLOSET - ACCESSIBLE, WALL MOUNTED, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, WATER SAVING, ELONGATED BOWL, 1-1/2" TOP SPUD. FLUSH VALVE - EXPOSED, WALL MOUNTED SENSOR OPERATION, HARD WIRED, 1.6 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME PLATED, 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE WITH VANDAL RESISTANT CAP, HIGH BACK PRESSURE VACUUM BREAKER, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MECHANICAL OVER-RIDE BUTTON, CHLORAMINE RESISTANT MATERIALS, CHROME PLATED COVER PLATE WITH TAMPER-PROOF SCREWS, TRANSFORMER AND LOW VOLTAGE WIRING, ADA COMPLIANT, 3 YEAR WARRANTY. ELECTRICAL REQUIREMENTS - 120VAC INPUT SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID PLASTIC, SELF-SUSTAINING HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS. CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN ACCESSORIES - WATER CLOSET SUPPORT CARRIER RATED FOR 500 LBS. MOUNT WATER C

VIEW KEY

NAME
10'-0"
LEVEL NAME
HEIGHT ABOVE PROJECT 0'-0"

INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
——— NEW
- - - - - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
——— EXISTING
- - - - - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E	TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING
TAG	UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST
	INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2018 EDITION
FIRE CODE:	IFC 2018 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	KRISTEN SPINA
MECHANICAL	PARKER POLASCHEK
ELECTRICAL	CHRIS MARTING
TECHNOLOGY	ALFONSO ARAULLO
STRUCTUAL	DANIELLE BARTLETT

VENTILATION SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
SD-1 6/115	AIR TERMINAL PROPERTIES
	OPPOSED BLADE DAMPER (REFER TO SCHEDULE)
	PARALLEL BLADE DAMPER (REFER TO SCHEDULE)
CO	CARBON MONOXIDE SENSOR
O	OCCUPANCY SENSOR
T	THERMOSTAT/SENSOR
T	THERMOSTAT/SENSOR WITH HEAVY DUTY ENCLOSURE

VENTILATION ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
EA	EXHAUST/RELIEF AIR
FD	FIRE DAMPER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
TD	TRANSFER DUCT
TYP	TYPICAL

VENTILATION GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE INLET SIZE.
2. ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER.
3. PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO PLUMBING AND MECHANICAL.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
10. SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
11. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
12. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
13. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
14. DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
15. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
16. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
17. PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
18. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL DESIGN CONDITIONS:

DESIGN CONDITIONS: **BASED ON WEATHER DATA FOR: GRIMES, IOWA**

SUMMER: 95°F DRY BULB, 78°F WET BULB
WINTER: -15°F DRY BULB

TYPICAL ROOM SETPOINTS:

SUMMER DESIGN: 72°F DRY BULB, NO HUMIDITY REQUIREMENT
WINTER DESIGN: 70°F DRY BULB, NO HUMIDITY REQUIREMENT

REFER TO CONTROL DIAGRAMS FOR ROOM SPECIFICS.

VENTILATION SHEET INDEX

M000	VENTILATION COVERSHEET
M100N	NORTH CONCESSIONS BUILDING PLANS - VENTILATION
M100S	SOUTH CONCESSIONS BUILDING PLANS - VENTILATION
M101	MAINTENANCE BUILDING PLANS - VENTILATION
M400	VENTILATION DETAILS
M600	VENTILATION SCHEDULES
GRAND TOTAL: 6	

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

VENTILATION COVERSHEET

M000

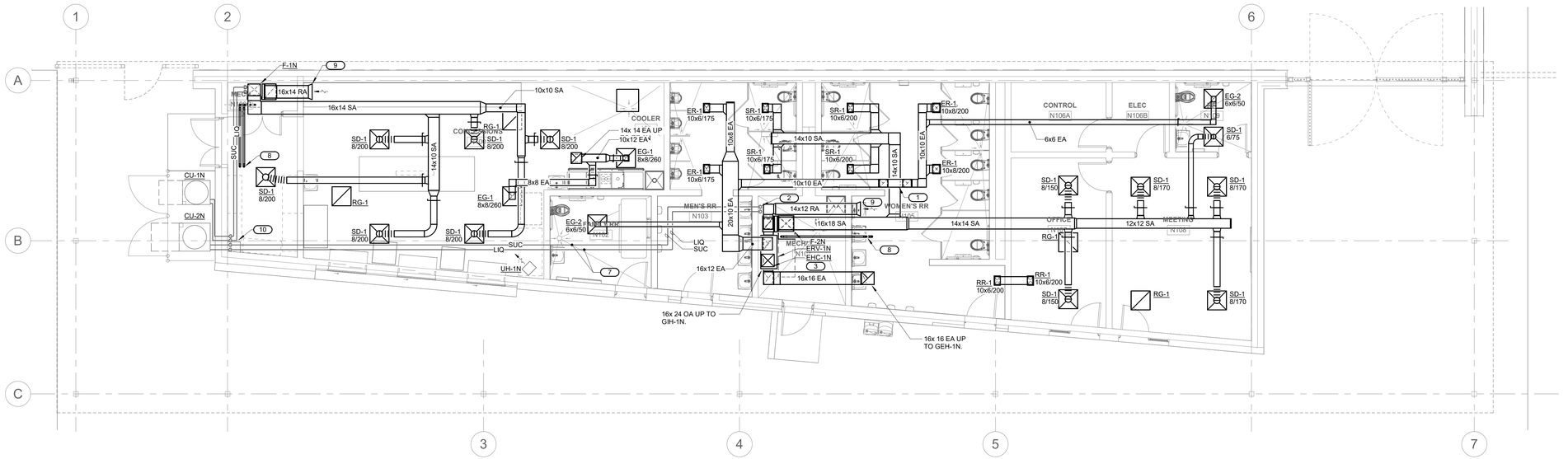
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED, REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 10:41:01 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



NORTH CONCESSIONS & OFFICE COMBINED - VENTILATION

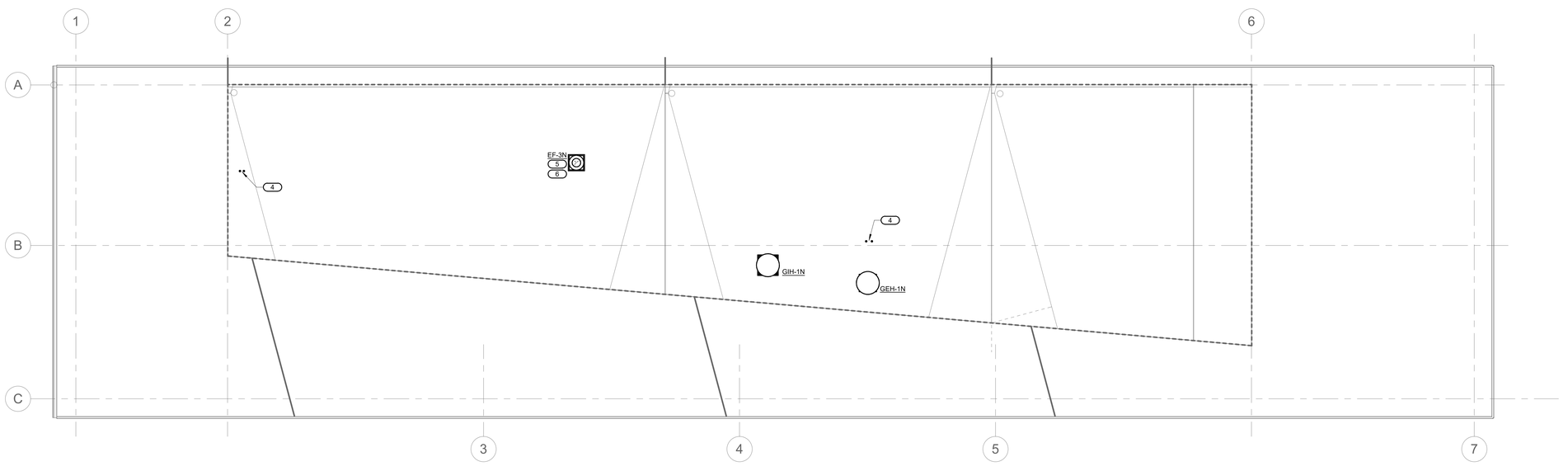
3/16" = 1'-0"

SHEET NOTES:

1. REFERENCE M000 MECHANICAL COVERSHEET FOR MECHANICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE M600 FOR MECHANICAL SCHEDULES.
4. THE SIZE OF BRANCH DUCTS TO AIR TERMINALS SHALL MATCH THEIR INLET SIZE UNLESS OTHERWISE NOTED.
5. REFER TO 1/M400 FOR DIFFUSER CONNECTION DETAIL.
6. REFER TO 2/M400 FOR DUCT BRANCH CONNECTIONS DETAIL.
7. REFER TO 3/M400 FOR DUCT ELBOW CONSTRUCTION DETAIL.
8. REFER TO 5/M400 FOR TRANSFER DUCT DETAIL.

KEYNOTES: (#)

1. ROUTE EXHAUST AIR DUCT ABOVE SUPPLY DUCT IN BEAM POCKET.
2. ROUTE SUCTION AND LIQUID LINES TO F-2.
3. ELECTRICAL HEATING COIL SHALL BE INSTALLED ON THE INLET OUTSIDE AIR DUCT UPSTREAM OF THE ERV.
4. 2" COMBUSTION AIR AND EXHAUST AIR PIPES. INSTALL PER MFR RECCOMENDATIONS.
5. EXHAUST FAN CONTROLLED PER WALL SWITCH. REFER TO 9/M400 FOR FAN CONTROL DETAIL AND ELECTRICAL PLANS FOR WALL SWITCH LOCATION.
6. REFER TO 6/M400 FOR ROOF FAN CURB - METAL ROOF DETAIL.
7. SIZE SUCTION AND LIQUID TO MANUFACTURER'S RECCOMENDATIONS.
8. COMBUSTION AND EXHAUST AIR UP. SIZE PER MANUFACTURER'S RECCOMENDATIONS.
9. REFER TO 4/M400 FOR BELLMOUTH IN-WALL DETAIL.
10. RUN REFRIGERANT PIPING DOWN INSIDE WALL. WALL PENETRATION SHALL BE AT SAME LEVEL AS CONNECTION POINT OF CONDENSING UNIT.



NORTH CONCESSIONS BUILDING ROOF PLAN - VENTILATION

3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE. Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

NORTH CONCESSIONS BUILDING PLANS - VENTILATION

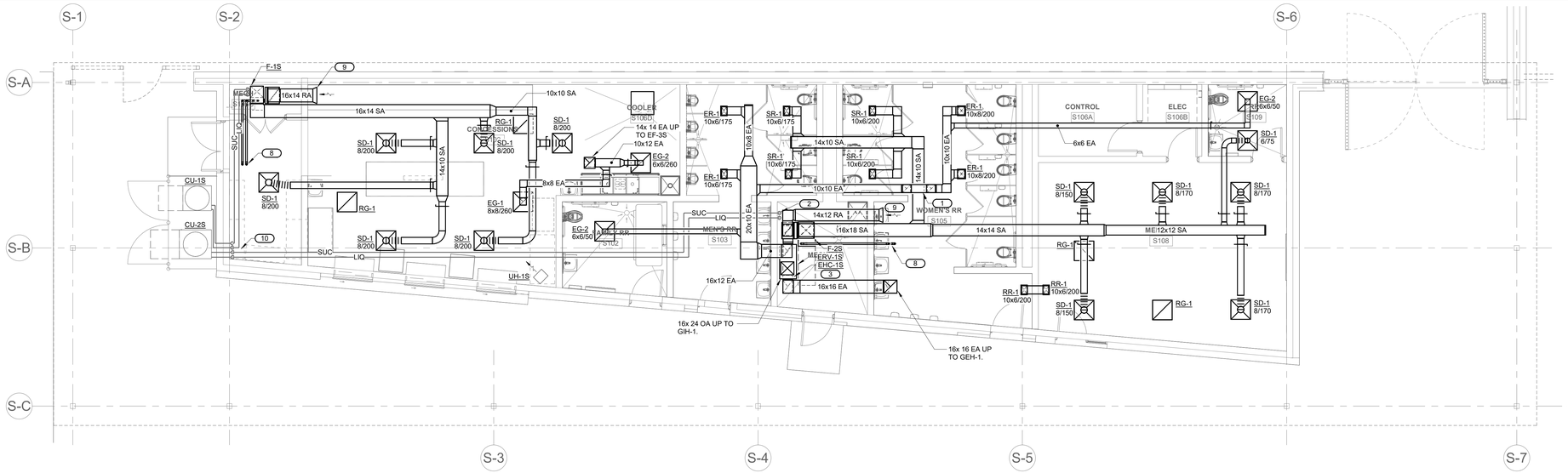
M100N

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 10:41:04 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



NORTH

2 SOUTH CONCESSIONS FLOOR PLAN - VENTILATION

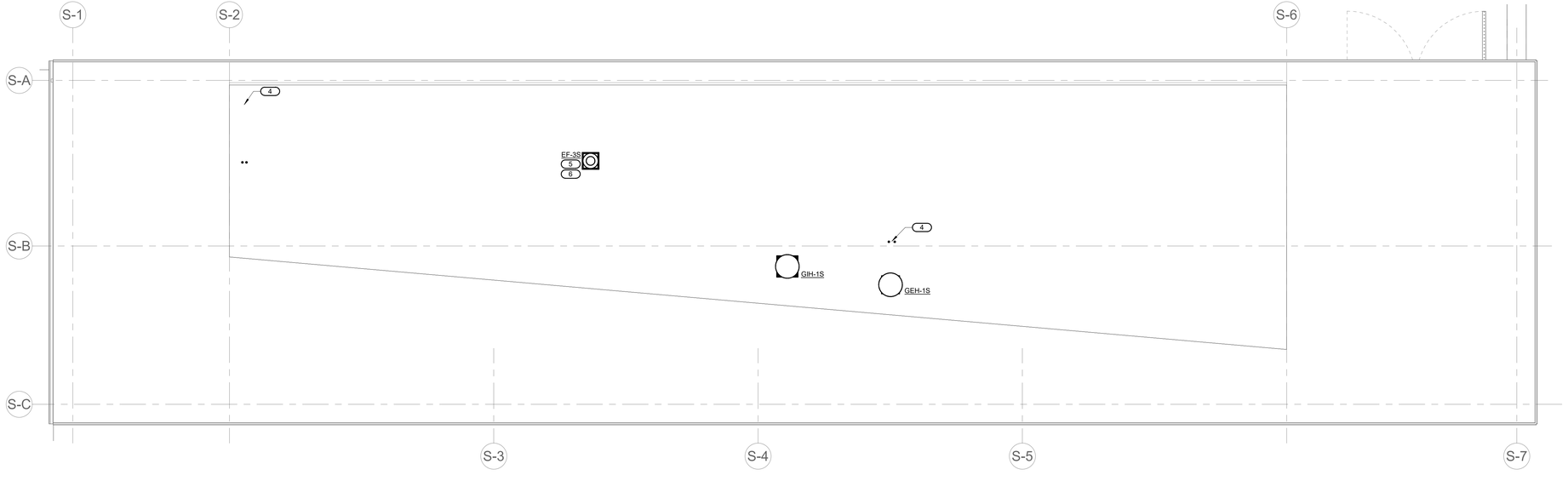
3/16" = 1'-0"

SHEET NOTES:

1. REFERENCE M000 MECHANICAL COVERSHEET FOR MECHANICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE M600 FOR MECHANICAL SCHEDULES.
4. THE SIZE OF BRANCH DUCTS TO AIR TERMINALS SHALL MATCH THEIR INLET SIZE UNLESS OTHERWISE NOTED.
5. REFER TO 1/M400 FOR DIFFUSER CONNECTION DETAIL.
6. REFER TO 2/M400 FOR DUCT BRANCH CONNECTIONS DETAIL.
7. REFER TO 3/M400 FOR DUCT ELBOW CONSTRUCTION DETAIL.
8. REFER TO 5/M400 FOR TRANSFER DUCT DETAIL.

KEYNOTES: (#)

1. ROUTE EXHAUST AIR DUCT ABOVE SUPPLY DUCT IN BEAM POCKET.
2. ROUTE SUC AND LIQ TO F-2.
3. ELECTRICAL HEATING COIL SHALL BE INSTALLED ON THE INLET OUTSIDE AIR DUCT UPSTREAM OF THE ERV.
4. 2" COMBUSTION AIR AND EXHAUST AIR PIPES. INSTALL PER MFR RECCOMENDATIONS.
5. EXHAUST FAN CONTROLLED PER WALL SWITCH. REFER TO 9/M400 FOR FAN CONTROL DETAIL AND ELECTRICAL PLANS FOR WALL SWITCH LOCATION.
6. REFER TO 6/M400 FOR ROOF FAN CURB - METAL ROOF DETAIL.
7. REFER TO 4/M400 FOR BELLMOUTH IN-WALL DETAIL.
8. COMBUSTION AND EXHAUST AIR UP. SIZE PER MANUFACTURER'S RECCOMENDATIONS.
9. REFER TO 4/M400 FOR BELLMOUTH IN-WALL DETAIL.
10. RUN REFRIGERANT PIPING DOWN INSIDE WALL. WALL PENETRATION SHALL BE AT SAME LEVEL AS CONNECTION POINT OF CONDENSING UNIT.



NORTH

1 SOUTH CONCESSIONS BUILDING ROOF PLAN - VENTILATION

3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Brighter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

SOUTH CONCESSIONS BUILDING PLANS - VENTILATION

M100S

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

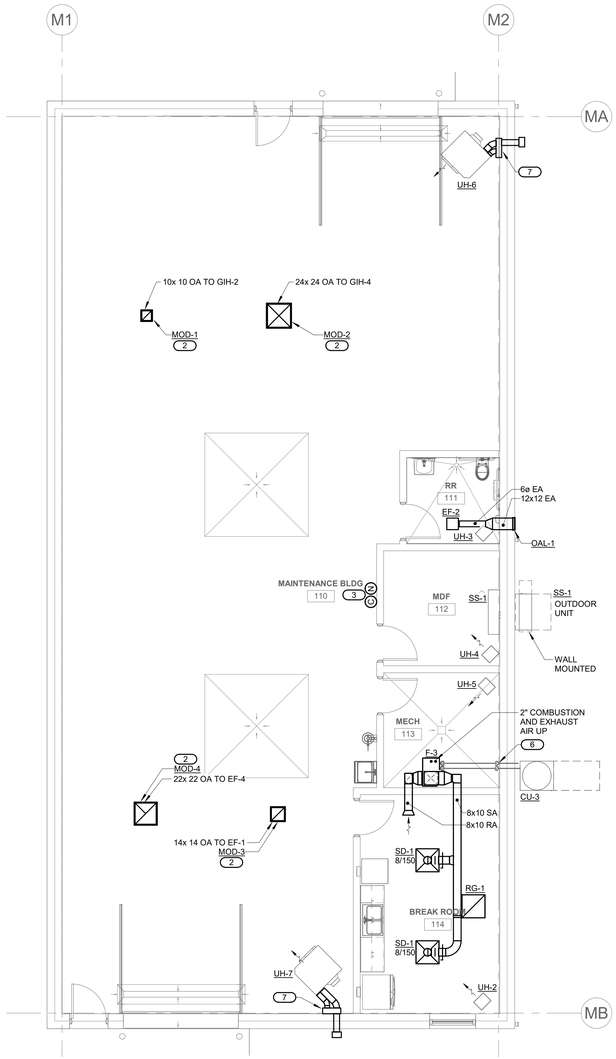
4/25/2023 10:41:07 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt

KEYNOTES: (#)

1. 2" COMBUSTION AIR AND EXHAUST AIR PIPES. INSTALL PER MFR RECCOMENDATIONS.
2. MOTOR OPERATED DAMPER INSTALLED INLINE OF DUCTWORK.
3. MOUNT CO SENSOR 5'-0" AFF AND MOUNT NO2 SENSOR 1'-0" BELOW ROOF DECK.
4. EXHAUST FAN CONTROLLED PER GAS DETECTION CONTROL PLAN OR MANUAL WALL SWITCH. SEE 8/M400 FOR VEHICLE FLEET EXHAUST CONTROLS. SEE ELECTRICAL PLANS FOR SWITCH LOCATION.
5. REFER TO 7/M400 FOR ROOF FAN W/ DRIP PAN DETAIL.
6. RUN REFRIGERANT PIPING DOWN INSIDE WALL. WALL PENETRATION SHALL BE AT SAME LEVEL AS CONNECTION POINT OF CONDENSING UNIT.
7. TERMINATE UNIT HEATER INTAKE AND FLUE ACCORDING TO MFR RECCOMENDATIONS.

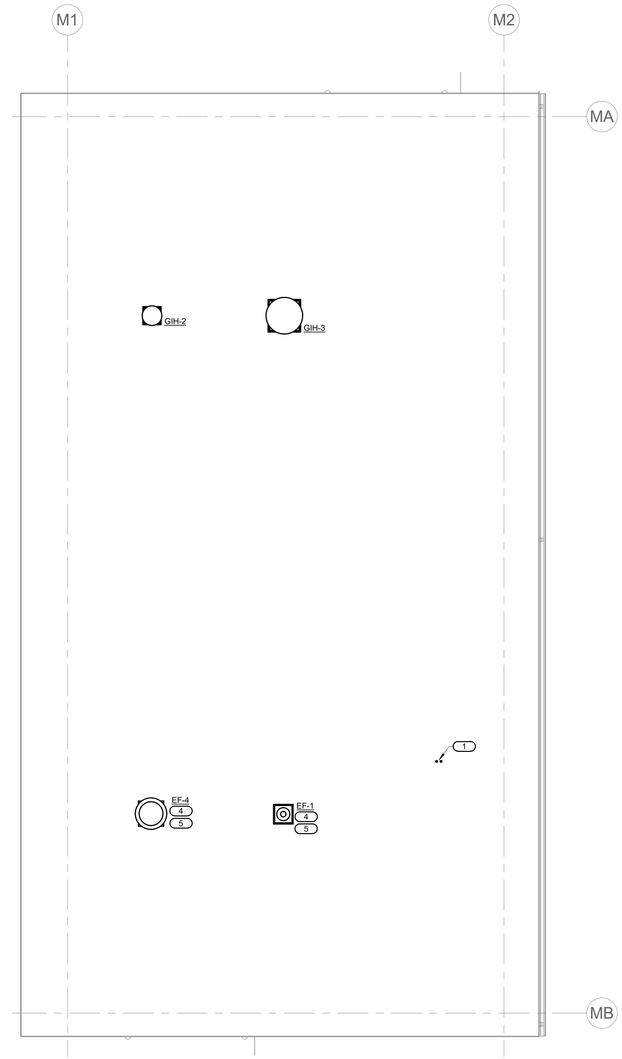
SHEET NOTES:

1. REFERENCE M000 MECHANICAL COVERSHEET FOR MECHANICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. COORDINATE AND CONFIRM ALL ARCHITECTURALLY EXPOSED DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN OR INSTALLATION.
3. REFERENCE M600 FOR MECHANICAL SCHEDULES.
4. THE SIZE OF BRANCH DUCTS TO AIR TERMINALS SHALL MATCH THEIR INLET SIZE UNLESS OTHERWISE NOTED.
5. REFER TO 1/M400 FOR DIFFUSER CONNECTION DETAIL.
6. REFER TO 2/M400 FOR DUCT BRANCH CONNECTIONS DETAIL.
7. REFER TO 3/M400 FOR DUCT ELBOW CONSTRUCTION DETAIL.
8. REFER TO 4/M400 FOR BELLMOUTH IN-WALL DETAIL.
9. REFER TO 5/M400 FOR TRANSFER DUCT DETAIL.



2 MAINTENANCE BUILDING PLAN - VENTILATION

3/16" = 1'-0"



3 MAINTENANCE BUILDING ROOF PLAN - VENTILATION

3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Is Yours www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

MAINTENANCE BUILDING PLANS - VENTILATION

M101

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9066 F: 515.334.9908
www.imegcorp.com

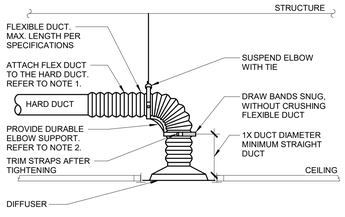
IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND DATA ARE NOT TO BE USED, THE SOLE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 10:41:09 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

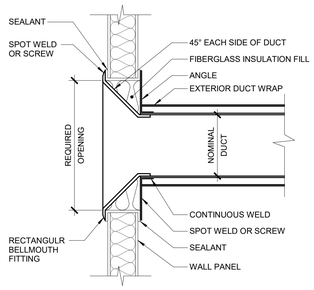
NOTES TO SPECIFIER:
USE THIS DETAIL FOR STANDARD INSTALLATIONS.



NOTES:

1. TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS; ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO TIE WRAPPING.
2. DURABLE ELBOW SUPPORT ACCEPTABLE MANUFACTURER AND MODEL: HART AND COOLEY - SMARTFLOW, THERMAFLEX - FLEXFLOW, TITUS - FLEXRIGHT, OR APPROVED EQUAL.

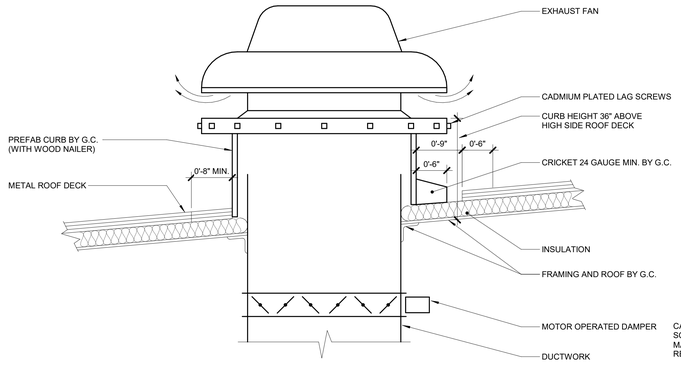
1 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)
NO SCALE



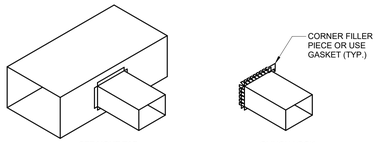
NOTES:

1. COORDINATE WITH HOUSING PANEL MANUFACTURER FOR EXACT BELLMOUTH FITTING INSTALLATION REQUIREMENTS.

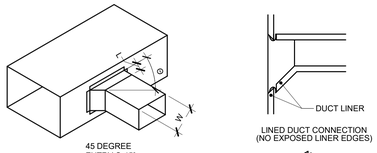
4 BELLMOUTH IN WALL DETAIL - RECTANGULAR
NO SCALE



6 ROOF FAN CURB - METAL ROOF
NO SCALE



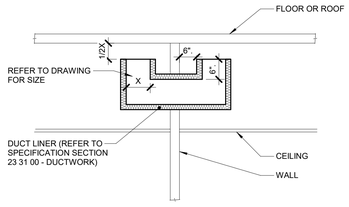
NOTE:STRAIGHT TAP WITH BUTT FLANGE FOR BRANCH AND TEE CONNECTION IN RECTANGULAR DUCTS UNDER 1" PRESSURE CLASS ONLY.



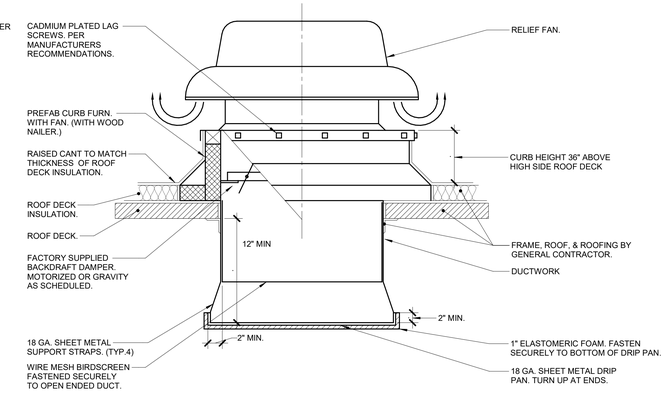
NOTES:

1. DO NOT USE CONNECTIONS WITH SCOOPS.
2. FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SECURE THEM SUITABLY FOR THE PRESSURE CLASS.
3. ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4"W.G. AND OVER.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2 DUCT - BRANCH CONNECTIONS
NO SCALE



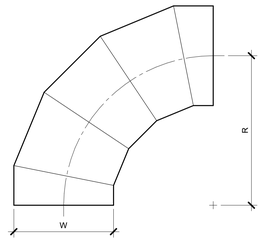
5 TRANSFER DUCT - ELBOW ENDS
NO SCALE



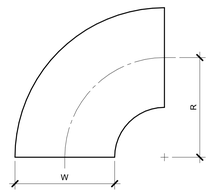
NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.

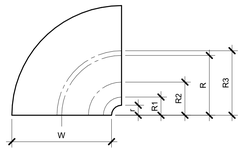
7 ROOF FAN CURB W/ DRIP PAN
NO SCALE



OVAL / ROUND RADIUS ELBOW SMOOTH OR 5 GORE (MINIMUM)
R/W = 1.5 (MINIMUM)

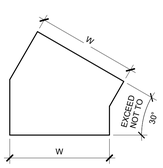


RECTANGULAR RADIUS ELBOW TYPE RE1
R/W = 1.0 (MINIMUM)
R/W < 1.0 SHALL BE TYPE RE3



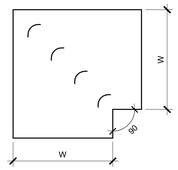
RECTANGULAR RADIUS ELBOW WITH VANES TYPE RE3

REFER TO SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL, FOURTH EDITION, SECTION 5.14 "SPLITTER VANES" AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION, FIGURES 4-2 AND 4-9 AND CHARTS 4-1 AND 4-1M. ELBOW SHALL HAVE THREE SPLITTER VANES AND r/W = 0.10 (R/W = 0.60) UNLESS NOTED OTHERWISE.

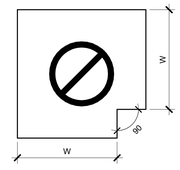


RECTANGULAR MITERED ELBOW TYPE RE6

USE ONLY AS PART OF OFFSETS AND TRANSITIONS PER FIGURE 4-7 TYPE 2 OR AS SHOWN ON DRAWINGS. OFFSETS ABOVE 30° SHALL BE TYPE RE1.

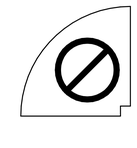


RECTANGULAR MITERED ELBOW WITH VANES TYPE RE2



RECTANGULAR / OVAL / ROUND MITERED ELBOW WITHOUT VANES TYPE RE4

NOT ALLOWED



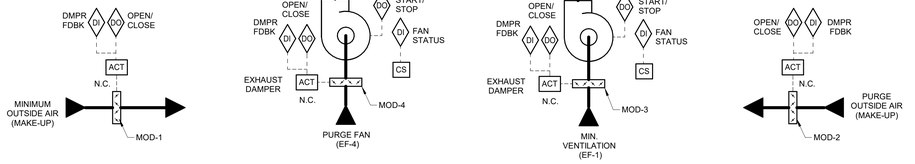
RECTANGULAR RADIUS ELBOW WITH SQUARE THROAT

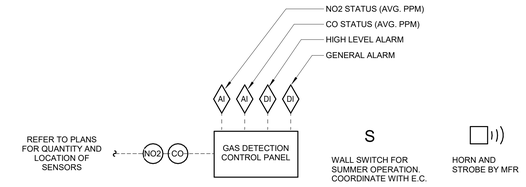
NOT ALLOWED

NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE "RE1".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.

3 DUCT - ELBOW CONSTRUCTION
NO SCALE





SEQUENCE OF OPERATION:

DURING OCCUPIED SCHEDULE:

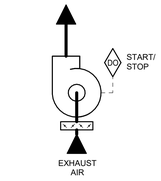
IF CARBON MONOXIDE LEVELS ARE BELOW 20 PPM (ADJ.) AND NITROGEN DIOXIDE LEVELS BELOW 1 PPM (ADJ.) THE FOLLOWING SHALL OCCUR.
- THE MINIMUM OUTSIDE AIR DAMPER (MOD-1) AND MINIMUM EXHAUST FAN DAMPER (MOD-3) SHALL OPEN.
- THE EXHAUST FAN (EF-1) SHALL BE ENABLED AND RUN CONTINUOUSLY.
- THE PURGE FANS SHALL BE DISABLED AND ASSOCIATED DAMPERS SHALL BE CLOSED.

IF CARBON MONOXIDE LEVELS ARE ABOVE 25 PPM (ADJ.) OR NITROGEN DIOXIDE LEVELS ARE ABOVE 3PPM (ADJ.) THE FOLLOWING SHALL OCCUR.
- THE MINIMUM OUTSIDE AIR DAMPER (MOD-1) AND MINIMUM EXHAUST FAN DAMPER (MOD-3) SHALL OPEN.
- THE EXHAUST FAN (EF-1) SHALL BE ENABLED AND RUN CONTINUOUSLY.
- THE PURGE OUTSIDE AIR DAMPER (MOD-2) AND PURGE EXHAUST FAN DAMPER (MOD-4) SHALL OPEN AND THE PURGE EXHAUST FAN (EF-4) SHALL ENABLE UNTIL CARBON MONOXIDE LEVELS ARE BELOW 20 PPM (ADJ.) AND NITROGEN DIOXIDE LEVELS BELOW 1 PPM (ADJ.).

SUMMER FAN OPERATION:
DURING WARMER MONTHS THE PURGE EXHAUST FAN AND ASSOCIATED DAMPERS SHALL BE SETUP TO TURN ON/OFF VIA WALL MOUNTED SWITCH. THE WALL MOUNTED SWITCH SHALL BE WIRED IN SUCH THAT THE GAS DETECTION SYSTEM WILL OVERRIDE SWITCH POSITION TO CONTROL FANS.

ALARMS, INTERLOCKS, AND SAFETIES:
- IF HAZARDOUS GAS LEVELS REACH 200 PPM (ADJ.) CARBON MONOXIDE OR 5 PPM (ADJ) NITROGEN DIOXIDE, THE HIGH ALARM INDICATOR LIGHTS ON THE MAIN PANEL SHALL ACTIVATE.

8 VEHICLE FLEET EXHAUST CONTROLS
NO SCALE



SEQUENCE OF OPERATION:;
FAN SHALL BE CONTROLLED BY MANUAL MOTOR STARTER (WALL SWITCH) PROVIDED BY OTHERS.

2-POSITION DAMPER SHALL FULLY OPEN WHEN FAN IS ENERGIZED. WHEN FAN IS DE-ENERGIZED, 2-POSITION DAMPER SHALL FULLY CLOSE.

9 FAN - WALL SWITCH
NO SCALE

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

VENTILATION DETAILS

M400

IMEG 2882 106TH STREET DES MOINES, IA 50322 P: 515.334.9908 F: 515.334.9908 www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 10:41:10 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

FURNACE SCHEDULE

NOTES:
1.

TAG NAME	AREA SERVED	EXT. S.P. IN. W.C.	FAN/BLOWER				ELECTRICAL						HEATING			EVAPORATOR				MAX. DIMENSIONS			WEIGHT	MANUFACTURER	MODEL	EVAPORATOR COIL MODEL	NOTES
			CFM	MAX. COIL A.P.D. IN. W.C.	HP	AIR FLOW TYPE	VOLTAGE	PHASES	DISCONNECT BY (NOTE A)	DISCONNECT TYPE (NOTE B)	CONTROLLER/ STARTER BY (NOTE A)	CONTROLLER/ STARTER SCCR	MINIMUM EFFICIENCY AFUE	INPUT	OUTPUT	MAX. LAT °F	EAT DB °F	EAT WB °F	TOTAL MBH	LENGTH	WIDTH	HEIGHT					
F-1N	NORTH CONCESSIONS	0.5	1,200	0.23	0.5	CV	120 V	1	EC	NF	MFR	5000	96	44	42	53.6	72	60	28.3	29.25	17.5	33	130	LENNOX	EL296	CX35	
F-1S	SOUTH CONCESSIONS	0.5	1,200	0.23	0.5	CV	120 V	1	EC	NF	MFR	5000	96	44	42	53.6	72	60	28.3	29.25	17.5	33	130	LENNOX	EL296	CX35	
F-2N	NORTH OFFICE	0.5	1,635	0.2	0.75	CV	120 V	1	EC	NF	MFR	5000	96	88	85	59	77	65.9	38.6	29.25	21.00	33	163	LENNOX	EL296	CX35	
F-2S	SOUTH OFFICE	0.5	1,635	0.2	0.75	CV	120 V	1	EC	NF	MFR	5000	96	88	85	59	77	65.9	38.6	29.25	21.00	33	163	LENNOX	EL296	CX35	
F-3	MAINTENANCE BREAKROOM	0.5	300	0.21	0.5	CV	120 V	1	EC	NF	MFR	5000	96	44	42	54.7	73.8	61.4	17.3	29.25	17.5	33	130	LENNOX	EL296	CX35	

CONDENSING UNIT SCHEDULE

NOTES:
1.REFER TO SPECIFICATION SECTION 23 62 13 FOR ADDITIONAL REQUIREMENTS.

TAG NAME	SERVICE	NOMINAL DESIGN TONS	REFRIGERANT	AMBIENT TEMP °F	NUMBER OF COMPRESSORS	NUMBER OF STAGES	NUMBER OF FANS	ELECTRICAL					DISCONNECT		CONTROLLER/ STARTER		MAX. DIMENSIONS			WEIGHT	MANUFACTURER	NOTES
								NO. OF POWER CONNECTIONS	VOLTAGE	PHASES	MCA	MOCP	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR	LENGTH	WIDTH	HEIGHT			
CU-1N	F-1N	2.5	R410A	95.0	1	1	1	1	208	1	18	25	EC	NF	MFR	5000	35	30.5	31	210	LENNOX	
CU-1S	F-1N	2.5	R410A	95.0	1	1	1	1	208	1	18	25	EC	NF	MFR	5000	35	30.5	31	210	LENNOX	
CU-2N	F-2S S	3	R410A	95.0	1	1	1	1	208	1	21	30	EC	NF	MFR	5000	39.38	35.5	39	241	LENNOX	
CU-2S	F-2S S	3	R410A	95.0	1	1	1	1	208	1	21	30	EC	NF	MFR	5000	39.38	35.5	39	241	LENNOX	
CU-3	F-3	1.5	R410A	95.0	1	1	1	1	208	1	12	15	EC	NF	MFR	5000	35	30.5	31	185	LENNOX	

SPLIT SYSTEM UNIT SCHEDULE

NOTES:
1.

TAG NAME	AREA SERVED	INDOOR UNIT							OUTDOOR UNIT						ELECTRICAL							MANUFACTURER	NOTES
		CFM	COOLING MBH	HEATING MBH	MAX. DIMENSIONS			WEIGHT	MODEL	SEER	MAX. DIMENSIONS			WEIGHT	MODEL	VOLTAGE	PHASE	MCA	MOCP AMPS	DISCONNECT		CONTROLLER/ STARTER			
					LENGTH	WIDTH	HEIGHT				HEIGHT	LENGTH	WIDTH							BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR		
SS-1	MAINTENANCE MDF	370	24	26	35 13/64	11 29/64	8 20/64	24.3	BMKH	24.6	17"-3 123/128"	37"-6 123/128"	31"-1 41/128"	153	BMKH	208	1	23.0	30	MFR	NF	MFR	5000	BLUERIDGE	

LOUVER SCHEDULE

NOTES:
1.FINISH TYPES: TYPE 1 - MILL FINISH, TYPE 2 - 204-R1 SATIN ANODIZED, TYPE 3 - BAKED ENAMEL FINISH ON PRETREATED PRIME PAINT, STANDARD COLOR - SELECTION BY ARCHITECT. TYPE 4 - BAKED EPOXY FINISH ON PRIME COATED METAL, STANDARD COLOR - SELECTION BY ARCHITECT. TYPE 5 - DURANODIC BRONZE - LIGHT, MEDIUM, DARK. TYPE 6 - PVDF (KYNAR 500, HYLAR 5000, OR DURANAR), STANDARD COLOR - SELECTION BY ARCHITECT.

TAG NAME	AREA SERVED	SIZE (INCHES)			FREE AREA VELOCITY	S.P. IN. W.C.	FINISH (NOTE 1)	MANUFACTURER	MODEL	NOTES
		CFM	WIDTH	HEIGHT						
OAL-1		0	12	12	0	0.00		RUSKIN	ELF375	

FAN SCHEDULE

NOTES:
1.

TAG NAME	AREA SERVED	CFM	S.P. IN. W.C.	FAN CLASS	FAN RPM (NOTE F)	DRIVE TYPE	ELECTRICAL (NOTE 1)						MANUFACTURER	MODEL	NOTES
							BHP (NOTE E)	VOLTAGE	PHASES	DISCONNECT BY (NOTE A)	DISCONNECT TYPE (NOTE B)	CONTROLLER/ STARTER BY (NOTE A)	CONTROLLER/ STARTER TYPE (NOTE C)	CONTROLLER/ STARTER SCCR			
EF-1	GARAGE (VENTILATION)	150	0.61		1000	DIRECT	0.03	120	1	MFR	NF	MFR	NF	5000	GREENHECK	CSP-A250	
EF-2	MAINTENANCE RESTROOM	75	0.26		900	DIRECT	0.01	120	1	MFR	NF	MFR	NF	5000	GREENHECK	SP-A90	
EF-3N	CONCESSIONS	520	0.69		1035	DIRECT	0.14	120	1	MFR	NF	MFR	NF	5000	GREENHECK	CSP-A700	
EF-3S	CONCESSIONS	520	0.69		1035	DIRECT	0.14	120	1	MFR	NF	MFR	NF	5000	GREENHECK	CSP-A700	
EF-4	GARAGE (PURGE)	2100	0.50		974	DIRECT	0.41	120	1	MFR	NF	MFR	NF	5000	GREENHECK	GB-160	

ENERGY RECOVERY SCHEDULE

NOTES:
1.

AIR HANDLING UNIT TAG NAME	SERVICE	TYPE	MINIMUM EFFICIENCY	OUTSIDE/SUPPLY AIR STREAM									RETURN/EXHAUST AIR STREAM										RECOVERED SUMMER MBH	RECOVERED WINTER MBH	FANS								ELECTRICAL				NOTES
					SUMMER			WINTER						SUMMER				WINTER							SUPPLY				RETURN				VOLTAGE	PHASE	DISCONNECT		CONTROLLER /STARTER	
				CFM	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	APD	CFM	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	APD			MOTOR HP	TYPE	DRIVE	FLA	MOTOR HP	TYPE	DRIVE	FLA			BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)	
ERV-1N	F-2N	FLAT PLATE	62	950	95	78	80.4	69.8	-15	-15	51.1	40.7	0.75	950	72	60	86.6	70	72	54	35.9	33.6	0.75	33.24	43.8	0.75	ECM	DIRECT	6.7	0.75	ECM	DIRECT	6.7	208 V	1	MFR	NF	MFR	NF	
ERV-1S	F-2S	FLAT PLATE	62	950	95	78	80.4	69.8	-15	-15	51.1	40.7	0.75	950	72	60	86.6	70	72	54	35.9	33.6	0.75	33.24	43.8	0.75	ECM	DIRECT	6.7	0.75	ECM	DIRECT	6.7	208 V	1	MFR	NF	MFR	NF	

UNIT HEATER SCHEDULE - ELECTRIC

NOTES:
1.

TAG NAME	AREA SERVED	CONFIGURATION	CFM	HEATING ELEMENT			ELECTRICAL		DISCONNECT		CONTROLLER/ STARTER		WEIGHT	MANUFACTURER	MODEL	NOTES
				NUMBER OF STAGES	TOTAL KW (QTY * KW) QTY	KW	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR				
UH-1N	CONCESSIONS	HORIZONTAL	650	1	1	7.5	208	1	MFR	NF	MFR	5000	38	MARLEY	MUH078	
UH-1S	CONCESSIONS	HORIZONTAL	650	1	1	7.5	208	1	MFR	NF	MFR	5000	38	MARLEY	MUH078	
UH-2	MAINTENANCE BREAKROOM	HORIZONTAL	350	1	1	3	208	1	MFR.	NF	MFR	5000	38	MARLEY	MUH0381	
UH-3	MAINTENANCE RESTROOM	HORIZONTAL	350	1	1	3	208	1	MFR.	NF	MFR	5000	38	MARLEY	MUH0381	
UH-4	MAINTENANCE MDF	HORIZONTAL	350	1	1	3	208	1	MFR.	NF	MFR	5000	38	MARLEY	MUH0381	
UH-5	MAINTENANCE MECHANICAL	HORIZONTAL	350	1	1	3	208	1	MFR.	NF	MFR	5000	38	MARLEY	MUH0381	

HOOD SCHEDULE

NOTES:
1.EACH HOOD SHALL HAVE 18" CURB.

TAG NAME	SERVICE	CFM	THROAT SIZE		THROAT VELOCITY	STATIC PRESSURE DROP	FREE AREA	DAMPER TYPE	CURB TYPE	MAX. DIMENSIONS			MANUFACTURER	MODEL	NOTES
			WIDTH	LENGTH						LENGTH	WIDTH	HEIGHT			
GEH-1N	ERV	950	16	16	848	0.08	1	GRAVITY	CURB CAP	29	29	22	GREENHECK	GRSR-15	1
GEH-1S	ERV	950	16	16	848	0.08	1	GRAVITY	CURB CAP	29	29	22	GREENHECK	GRSR-15	1
GIH-1N	ERV	950	16	16	655	0.07	1	GRAVITY	CURB CAP	29	29	23	GREENHECK	GRSI-16	1
GIH-1S	ERV	950	16	16	655	0.07	1	GRAVITY	CURB CAP	29	29	23	GREENHECK	GRSI-16	1
GIH-2	GARAGE (VENTILATION)	300	10	10	526	0.05	1	GRAVITY	CURB CAP	20.5	20.5	19.75	GREENHECK	GRSI-10	1
GIH-3	GARAGE (PURGE)	2100	24	24	648	0.07	3	GRAVITY	CURB CAP	34	34	23	GREENHECK	GRSI-24	1

UNIT HEATER SCHEDULE - GAS FIRED

NOTES:
1.

TAG NAME	AREA SERVED	CFM	HEATING (MBH)		ELECTRICAL				DISCONNECT		CONTROLLER/ STARTER		GAS PRESSURE (W.C.)	MAX. DIMENSIONS			WEIGHT	MANUFACTURER	MODEL	NOTES
			INPUT	OUTPUT	HP	RPM	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR		LENGTH	WIDTH	HEIGHT				
UH-6	MAINTENANCE GARAGE	1921	150	125	0.25	1050	120	1	MFR	NF	MFR	5000	11	38 3/16	48 7/16	20 1/8	179	REZNOR	UDZ	
UH-7	MAINTENANCE GARAGE	1921	150	125	0.25	1050	120	1	MFR	NF	MFR	5000	11	38 3/16	48 7/16	20 1/8	179	REZNOR	UDZ	

AIR TERMINAL SCHEDULE

NOTES:
1.CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
2.REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

TAG NAME	FACE SIZE (IN.) (NOTE 2)	TYPE	BORDER (NOTE 1)	MATERIAL	FINISH	VOLUME DAMPER REQUIRED	MANUFACTURER	MODEL	NOTES
EG-1	24x24	PERFORATED FACE	LAY-IN	STEEL	WHITE	NO	TITUS	PAR	
EG-2	24x24	PERFORATED FACE	LAY-IN	ALUMINUM	WHITE	NO	TITUS	PAR	
ER-1	INLET +2	35 DEGREE DEFLECTION	1 1/4"	ALUMINUM	WHITE	YES	TITUS	350R	
RG-1	24x24	PERFORATED FACE	LAY-IN	ALUMINUM	WHITE	NO	TITUS	PXP	FACE ONLY - NON DUCTED
RR-1	INLET +2	35 DEGREE DEFLECTION	1 1/4"	ALUMINUM	WHITE	YES	TITUS	350R	
SD-1	24x24	PLAQUE	LAY-IN	ALUMINUM	WHITE	NO	TITUS	OMNI	ALL NON-FERROUS CONSTRUCTION FOR MRI OR DAMP LOCATION
SR-1	INLET +2	35 DEGREE DEFLECTION	1 1/4"	ALUMINUM	WHITE	YES	TITUS	350R	

COIL SCHEDULE - ELECTRIC HEATING

NOTES:
1.

TAG NAME	AREA SERVED	CFM	EAT °F	LAT °F	HEATING ELEMENT TOTAL KW (QTY * KW)		ELECTRICAL		DISCONNECT		CONTROLLER/STARTER			MAX. DIMENSIONS		MANUFACTURER	MODEL	NOTES
					QTY	KW	VOLTAGE	PHASES	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	SCCR	CONTROL TYPE	WIDTH	HEIGHT			
EHC-1N	ERV-1	950	-15	15	1	9	208 V	1	EC	NF	MFR	5000	SCR	12'-0"	16'-0"	INDEECO	QUA	
EHC-1S	ERV-1	950	-15	15	1	9	208 V	1	EC	NF	MFR	5000	SCR	12'-0"	16'-0"	INDEECO	QUA	

SCHEDULE GENERAL NOTES:

A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR
MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR.
ATC = AUTOMATIC TEMPERATURE CONTROL CONTRACTOR

B. DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED

C. CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
MS = MANUAL STARTER

D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE, WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.

E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.

F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.

G. CURB TYPE:
MFR = STANDARD CURB BY MANUFACTURER
GC = BY GENERAL CONTRACTOR

MOTOR OPERATED DAMPER SCHEDULE

NOTES:
1.

TAG NAME	AREA SERVED	SIZE		CFM	BLADE CONFIGURATION	BLADE ORIENTATION	INSULATED	ACTUATOR TYPE (NOTE 1)	ACTUATOR STYLE	POWER FAILURE POSITION	POSITIVE POSITION FEEDBACK REQUIRED	NOTES
		WIDTH	HEIGHT	MAX.								
MOD-1		10	10	150	PARALLEL	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	No	
MOD-2		24	24	2100	PARALLEL	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	No	
MOD-3		14	14	0	PARALLEL	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	No	
MOD-4		22	22	0	PARALLEL	HORIZONTAL	Yes	ELECTRIC	TWO POSITION	NORMALLY CLOSED (NC)	No	

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

VENTILATION SCHEDULES

M600

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

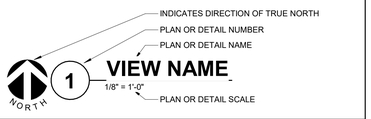
0 1 2 3
REF. SCALE IN INCHES
PROJECT #22002288.00

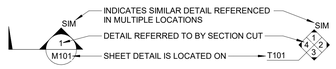
4/25/2023 10:41:13 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

VIEW KEY

NAME → LEVEL NAME
10'-0" → HEIGHT ABOVE PROJECT 0'-0"

1 → INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL





LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
——— NEW
– – – – – – – – – EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
——— EXISTING
– – – – – – – – – EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2018 EDITION
FIRE CODE:	IFC 2018 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	KRISTEN SPINA
MECHANICAL	PARKER POLASCHEK
ELECTRICAL	CHRIS MARTING
TECHNOLOGY	ALFONSO ARAULLO
STRUCTUAL	DANIELLE BARTLETT

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
E	ECONN	26 05 33	ELECTRICAL CONNECTION
J	JB	26 05 33	JUNCTION BOX
	PANEL '###'	26 24 16	PANELBOARD - SURFACE MOUNT
	MX-#/MS-#/CB-#/CS-#	26 24 19	MANUAL SWITCH / STARTER / COMBINATION STARTER/ CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
$	SW-1P	26 09 33	SWITCH - SINGLE POLE
$_3$	SW-3W	26 09 33	SWITCH - THREE WAY
D_D	SW-D-LED	26 09 33	DIMMER - LED
PC	SW-LS-PC	26 09 33	PHOTOCELL
OC$_D$	SW-OC-D	26 09 33	OCCUPANCY SENSOR - DUAL TECHNOLOGY
S_O	SW-OC-P-O	26 09 33	SWITCH - OCCUPANCY SENSOR WALL SWITCH
OC$_P$	SW-OC-P-P	26 09 33	OCCUPANCY SENSOR - PASSIVE INFRARED 360 DEGREE COVERAGE
OC$_U$	SW-OC-U	26 09 33	OCCUPANCY SENSOR - ULTRASONIC 360 DEGREE COVERAGE

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	REFER TO LUMINAIRE SCHEDULE		LINEAR LUMINAIRES
			TROFFER
			WALL SCONCE LUMINAIRE
			DOWNLIGHT LUMINAIRE
			INDUSTRIAL LUMINAIRE
			SINGLE FACE EXIT SIGN
			DOUBLE FACE EXIT SIGN
			EMERGENCY UNIT

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	REC-DUP	26 27 26	DUPLEX RECEPTACLE, 125V
	REC-DUP-GFI	26 27 26	DUPLEX GFI RECEPTACLE, 125V
W	REC-DUP-WP	26 27 26	DUPLEX GFI WEATHERPROOF RECEPTACLE 125V
	REC-TAMP	26 27 26	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-GFI	26 27 26	GFI DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-QUAD	26 27 26	QUAD RECEPTACLE, TAMPER RESISTANT, 125V
	REC-QUAD	26 27 26	QUAD RECEPTACLE, 125V
	REC-QUAD-GFI	26 27 26	QUAD GFI RECEPTACLE, 125V

ELECTRICAL EQUIPMENT TAGS

TAG:	DESCRIPTION:	RELATED SPECIFICATION
LC-#	LIGHTING CONTACTOR	26 28 21
MX-#	MANUAL SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE	26 24 19
SPD-#	SURGE PROTECTION DEVICE	26 43 00

ELECTRICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

LUMINAIRE SYMBOL KEY

SYMBOL:	DESCRIPTION:
	NORMAL BRANCH LUMINAIRE
	BATTERY BACKED LUMINAIRE

CONDUIT INSTALLATION SCHEDULE

THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION.

INSTALLATION TYPE	RMC	IMC	EMT	PVC COATED RMC	PVC
FEEDERS: SWITCHBOARDS, DISTRIBUTION PANELS, PANELBOARDS, MOTOR CONTROL CENTERS, ETC.		X	X		
BRANCH CIRCUITS: LIGHTING, RECEPTACLES, CONTROLS, ETC.		X	X		
MECHANICAL EQUIPMENT FEEDERS: PUMPS, CHILLERS, AIR HANDLING UNITS, ETC.		X	X		
FLOOR MOUNTED EQUIPMENT FEEDERS: PUMPS, ETC. (INCLUDE NO MORE THAN 6 FEET OF LFMC TO PUMP)		X	X		
CONTROLS (LIGHTING, POWER, BUILDING AUTOMATION, ETC.)		X	X		
FINISHED SPACES / CONCEALED			X		
WET AND DAMP LOCATIONS: (CONDUIT, BOXES, FITTINGS, INSTALLED AND EQUIPPED TO PREVENT WATER ENTRY)	X				
ELEVATED CONCRETE SLABS (ABOVE GRADE)	X				X
INTERIOR LOCATIONS: CONCEALED			X		
INTERIOR LOCATIONS: EXPOSED		X	X		
INTERIOR LOCATIONS: EXISTING WALLS AND EXPOSED INSTALLATION (FINISHED SPACES)			X		
UNDERGROUND / SLABS ON GRADE (IN OR UNDER SLABS ON GRADE)					
WITHIN 5' FROM THE PERIMETER OF THE BUILDING	X				X
WITHIN 5' FROM THE PERIMETER OF THE BUILDING WHEN PASSING THROUGH THE PERIMETER OF THE BUILDING FOUNDATION:	X				
UNDERGROUND SITE CONDUITS:					
WITHIN 5' FROM THE PERIMETER OF A BUILDING FOUNDATION	X				
5' OR GREATER FROM THE PERIMETER OF A BUILDING FOUNDATION	X				X
UNDER ROADS, DRIVES, AND VEHICLE TRAVELED WAYS. WHEN HDPE DIRECTIONAL BORING IS ALLOWED: PROVIDE PRESSURIZED GROUT				X	X

ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET **E-600** FOR LUMINAIRE SCHEDULE.
2. (L##) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE. REFER TO SHEET **E-600**.
3. VACANCY/OCCUPANCY SENSOR LAYOUT: SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.

LUMINAIRE KEY:

LUMINAIRE — F1 = FIXTURE TAG
1 = CIRCUIT NUMBER
a = SWITCH DESIGNATION
NL = SUBSCRIPT (IF APPLICABLE)
Z = ZONE DESIGNATION

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL

DEVICE KEY:

DEVICE — A = MOUNTING (IF APPLICABLE)
1 = CIRCUIT NUMBER

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
C	MOUNT AT CEILING
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
R	MOUNT IN SURFACE RACEWAY
EWC	ELECTRIC WATER COOLER

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
4. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. MOUNT EXTERIOR LOCATED RECEPTACLES WITH WHILE-IN-USE COVERS AT +20" FROM FINISHED GRADE (CENTER DIMENSIONS) TO MAINTAIN INSTALLATION ADA COMPLIANCE.
5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
6. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
7. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
8. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
10. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
11. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
12. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
13. ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

ELECTRICAL SHEET INDEX

E000	ELECTRICAL COVERSHEET
E001	SITE PLAN - ELECTRICAL
E100N	NORTH CONCESSIONS BUILDING PLANS - ELECTRICAL
E100S	SOUTH CONCESSIONS BUILDING PLANS - ELECTRICAL
E101	MAINTENANCE BUILDING PLANS- ELECTRICAL
E400	ELECTRICAL DETAILS
E500	ELECTRICAL DIAGRAMS
E600	ELECTRICAL SCHEDULES
E601	ELECTRICAL SCHEDULES
E700	ELECTRICAL PANEL SCHEDULES
GRAND TOTAL: 10	

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

ELECTRICAL COVERSHEET

E000

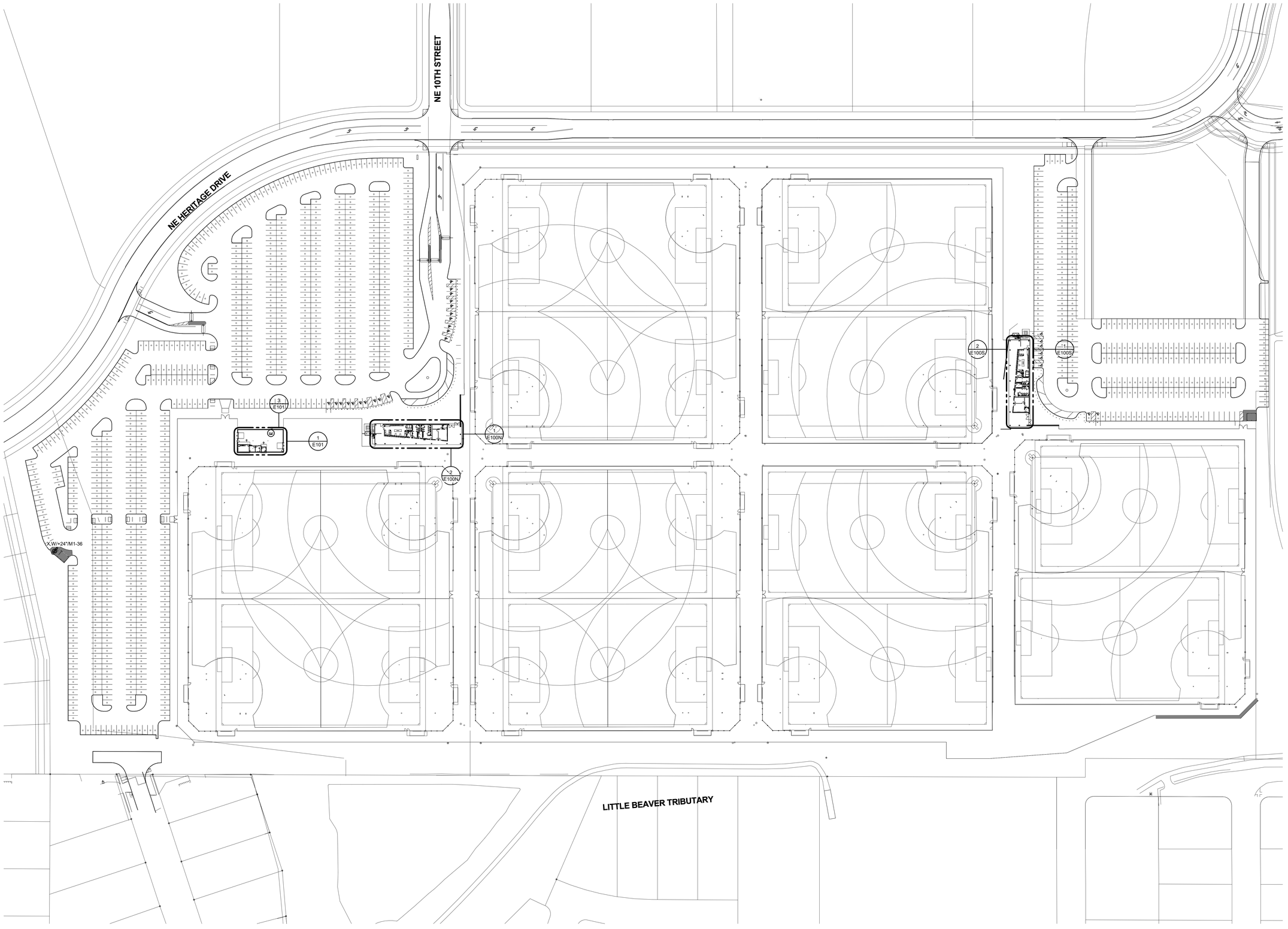
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 10:30:48 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



1 SITE PLAN - ELECTRICAL
1/64" = 1'-0"

NORTH

4/25/2023 10:30:49 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

IMEG
The FUTURE. Built Smarter
www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

SITE PLAN - ELECTRICAL

E001

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9666 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

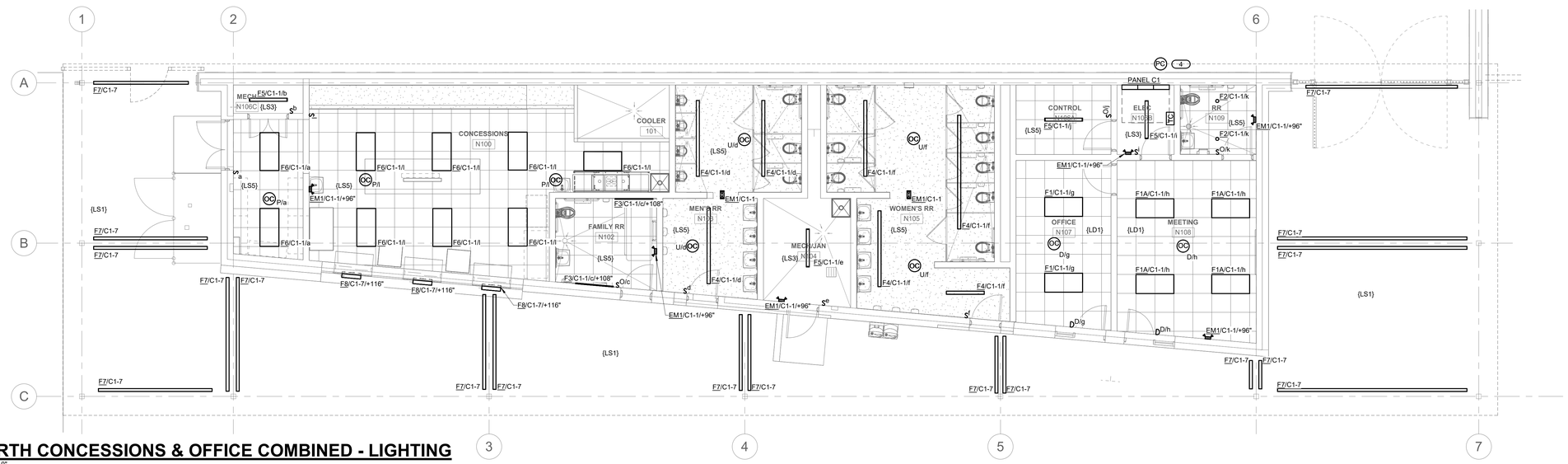
PROJECT #23000288.00

SHEET NOTES:

1. FIXTURE F7 TO BE MOUNTED IN CORRELATION WITH STRUCTUAL BEAM. TYPICAL ALL F7 FIXTURES. REFER TO STRUCTURAL SHEETS FOR COORDINATION.
2. ALL MECHANICAL EQUIPMENT DISCONNECTS/STARTERS PROVIED BY EQUIPMENT MANUFACTURER, WIRED BY EC UNLESS OTHERWISE NOTED.

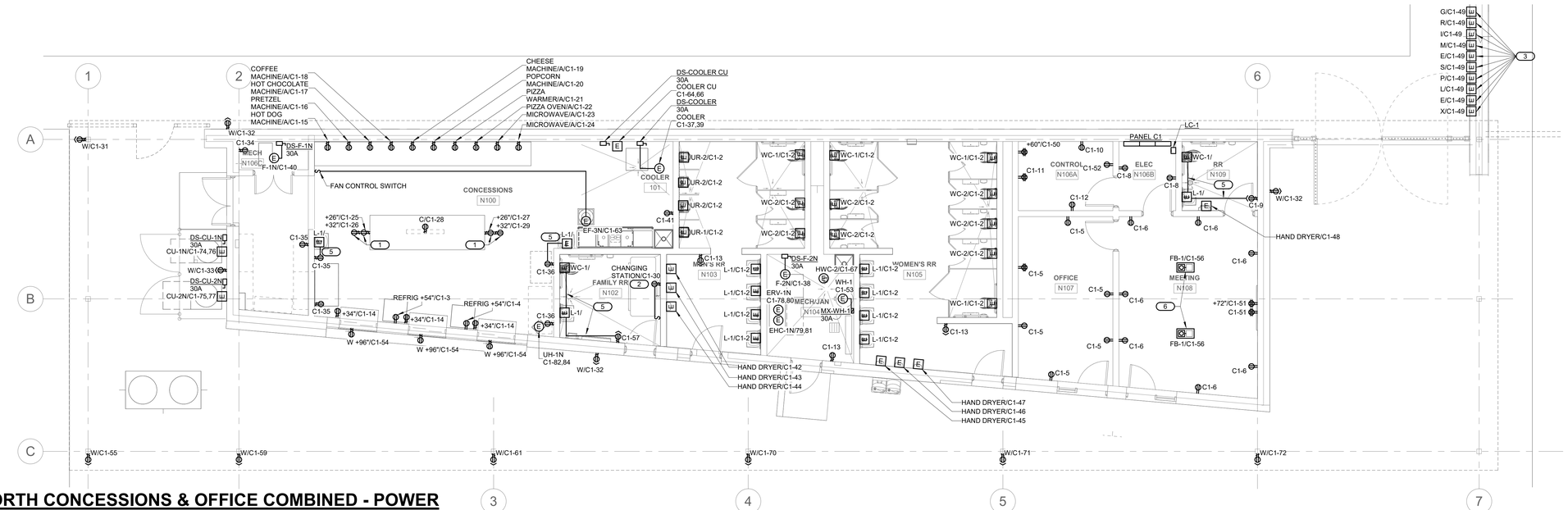
KEYNOTES: (#)

1. DEVICE MOUNTED IN MILLWORK. CORDINATE EXACT ROUTING OF CONDUIT AND DEVICE LOCATION WITH MILLWORK PROVIDER.
2. VERIFY EXACT POWER REQUIREMENTS WITH EQUIPTMENT ACTUALLY PROVIDED.
3. REFER TO 1/E400 FOR EXTERIOR LIGHTING CONTROL DETAIL.
4. PHOTOCELL MOUNTED ON ROOF. REFER TO DETAIL 2/E400.
5. CONNECT TO LINE SIDE OF GFI RECEPTACLE CIRCUIT.
6. CORDINATE WITH ARCHITECTURAL FOR LOCATION OF FLOOR BOX.



1 NORTH CONCESSIONS & OFFICE COMBINED - LIGHTING

3/16" = 1'-0"



2 NORTH CONCESSIONS & OFFICE COMBINED - POWER

3/16" = 1'-0"

4/25/2023 10:30:56 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The Intimate Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

NORTH CONCESSIONS BUILDING PLANS - ELECTRICAL

E100N

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

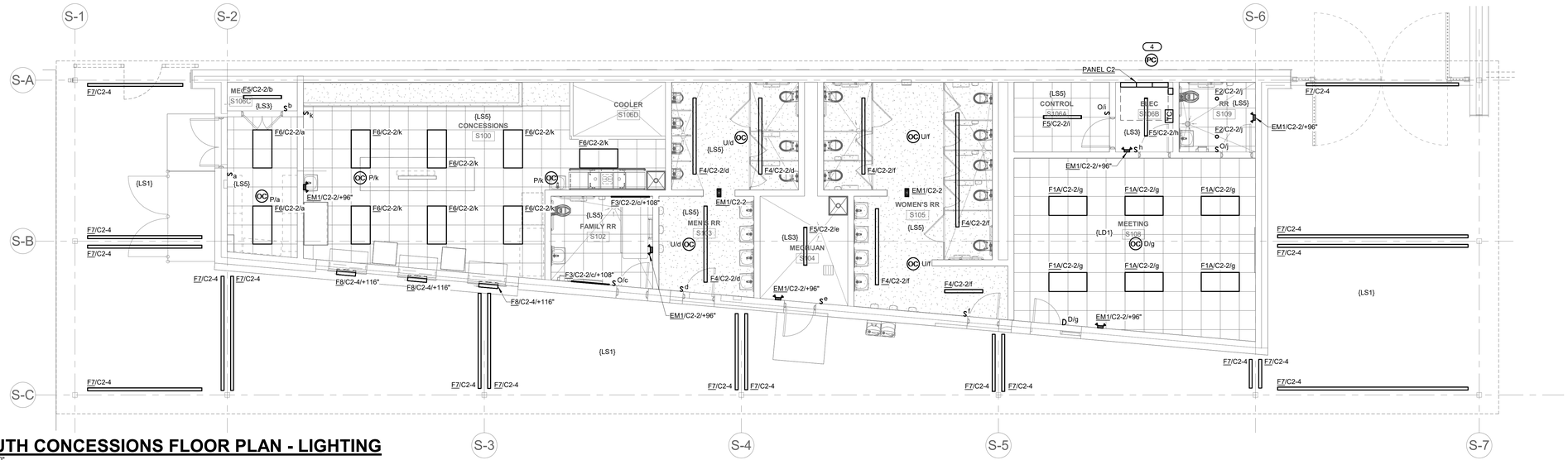
0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

SHEET NOTES:

1. FIXTURE F7 TO BE MOUNTED IN CORRILATION WITH STRUCTUAL BEAM. TYPICAL ALL F7 FIXTURES.
2. ALL MECHANICAL EQUIPTMENT DISCONNECTS/STARTERS PROVIED BY EQUPITMENT MANUFACTURER, WIRED BY EC UNLESS OTHERWISE NOTED.

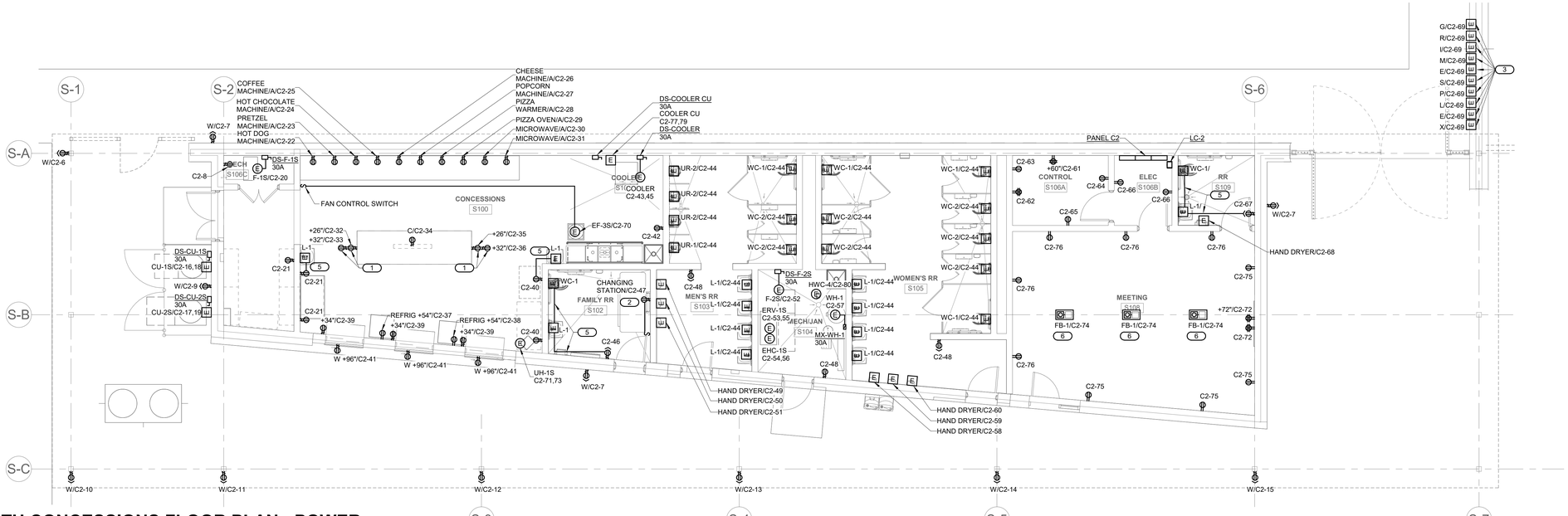
KEYNOTES: (#)

1. DEVICE MOUNTED IN MILLWORK. CORDINATE EXACT ROUTING OF CONDUIT AND DEVICE LOCATION WITH MILLWORK PROVIDER.
2. VERIFY EXACT REQUIREMENTS WITH EQUIPTMENT ACTUALLY PROVIDED.
3. REFER TO 1/E400 FOR EXTERIOR LIGHTING CONTROL DETAIL.
4. PHOTOCELL MOUNTED ON ROOF. REFER TO DETAIL 2/E400.
5. CONNECT TO LINE SIDE OF GFI RECEPTACLE CIRCUIT.
6. CORDINATE WITH ARCHITECTURAL FOR LOCATION OF FLOOR BOX.



1 SOUTH CONCESSIONS FLOOR PLAN - LIGHTING

3/16" = 1'-0"



2 SOUTH CONCESSIONS FLOOR PLAN - POWER

3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

IMEG
The POWER Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.

© 2021

PROJECT NUMBER
22038

SOUTH CONCESSIONS BUILDING PLANS - ELECTRICAL

E100S

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

REF. SCALE IN INCHES 0 1 2 3

PROJECT #23000288.00

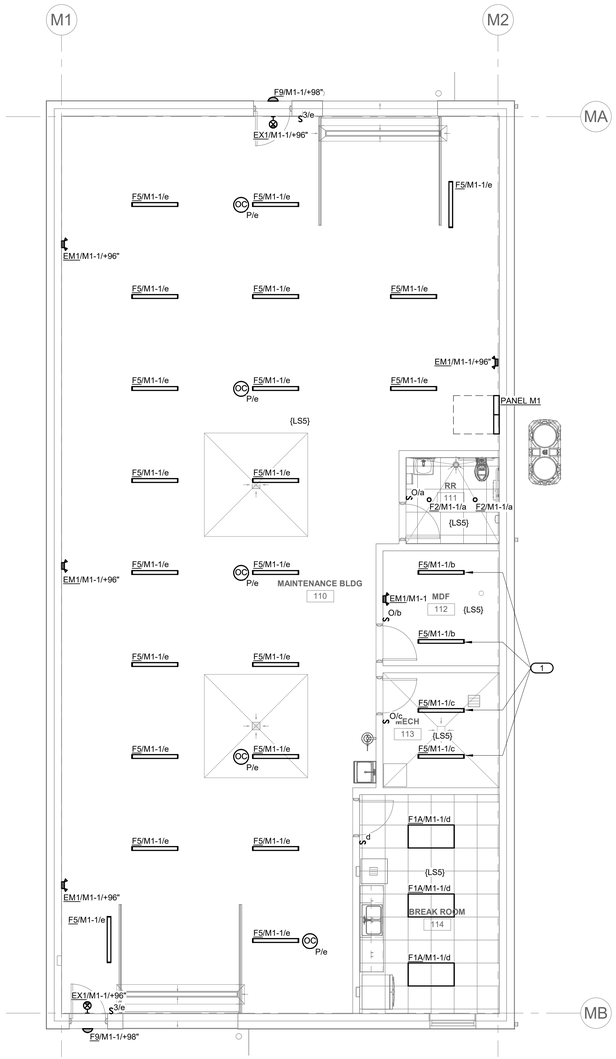
4/25/2023 10:31:02 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

SHEET NOTES:

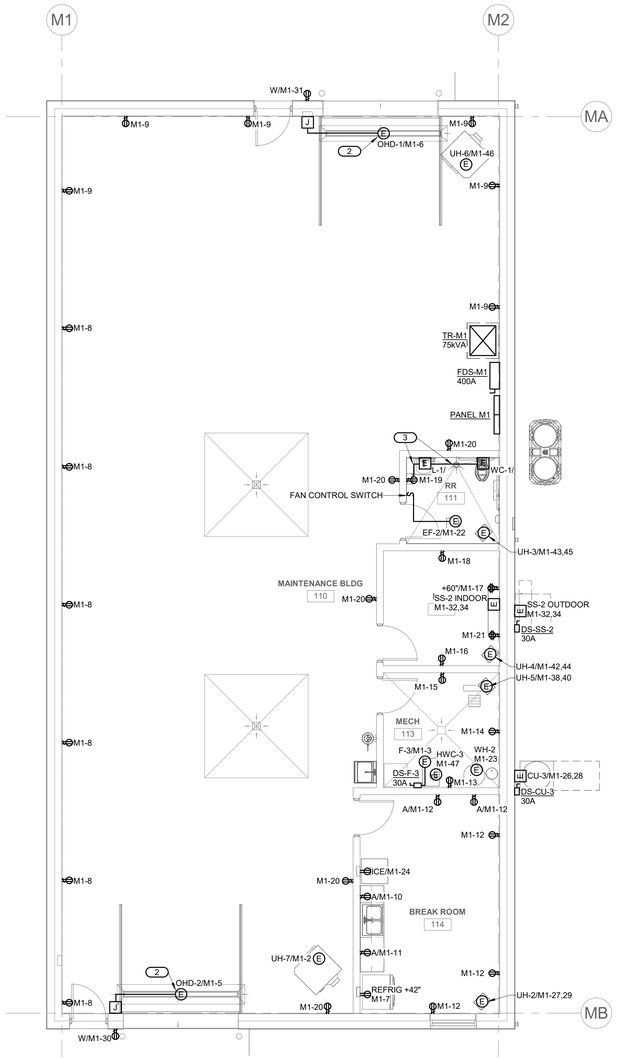
1. FIXTURE F5 TO BE MOUNTED TO BOTTOM OF JOISTS.
2. CEILING OCUPANCY SENSORS TO BE MOUNTED TO BOTTOM OF JOISTS.

KEYNOTES: (#)

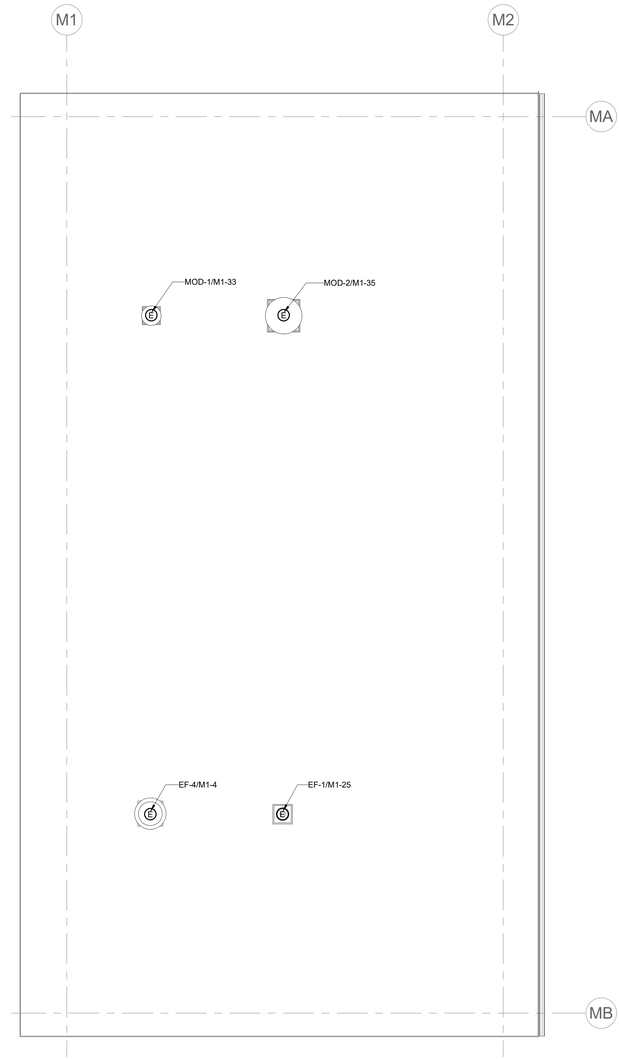
1. PENDANT MOUNT FIXTURE FROM JOISTS. CORDINATE WITH MECHANICAL CONTRACTOR TO AVOID MECHANICAL EQUIPMENT.
2. ELECTRICAL CONTRACTOR TO PROVIDE WIRING AND PATHWAYS FOR GARAGE CONTROLLERS.
3. CONNECT TO LINE SIDE OF GFI RECEPTACLE CIRCUIT.



1 MAINTENANCE BUILDING PLAN - LIGHTING
3/16" = 1'-0"



2 MAINTENANCE BUILDING PLAN - POWER
3/16" = 1'-0"



3 MAINTENANCE BUILDING ROOF PLAN - POWER & SYSTEMS
3/16" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The Future Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

MAINTENANCE BUILDING PLANS- ELECTRICAL

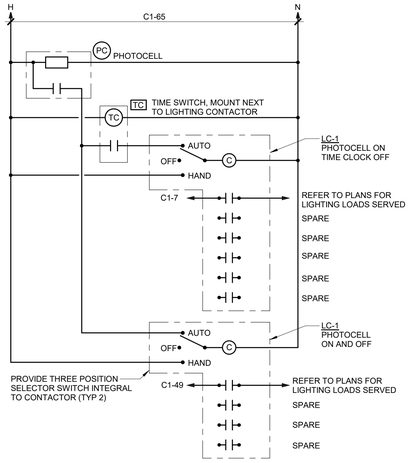
E101

IMEG
2882 100TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

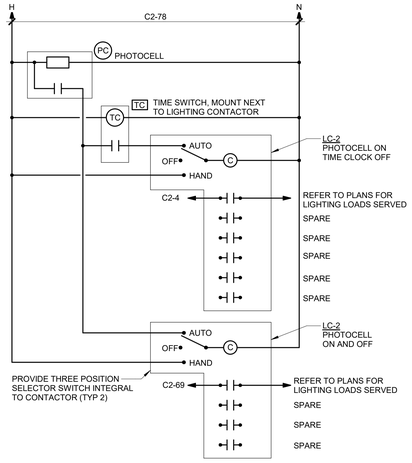
0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 10:31:06 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



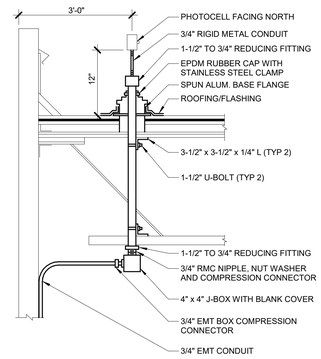
NORTH CONCESSIONS EXTERIOR LIGHTING CONTROL DETAIL

1 — 12" = 1'-0"



SOUTH CONCESSIONS EXTERIOR LIGHTING CONTROL DETAIL

2 — 12" = 1'-0"



PHOTOCELL MOUNTING DETAIL

3 — 12" = 1'-0"

NOTES

1. STRUCTURAL DETAIL SHOWN IS TO BE REPRESENTATIVE ONLY. REFER TO ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS FOR ACTUAL CONDITIONS ON THIS PROJECT.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The HOME Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

ELECTRICAL DETAILS

E400

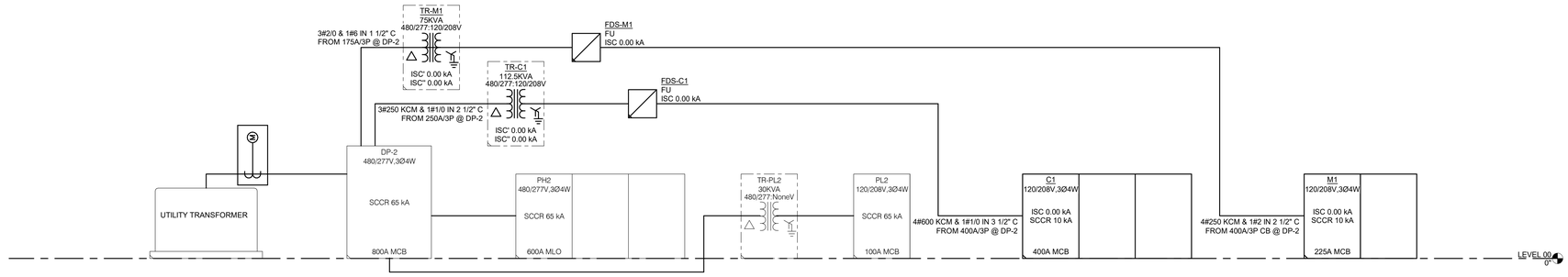
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

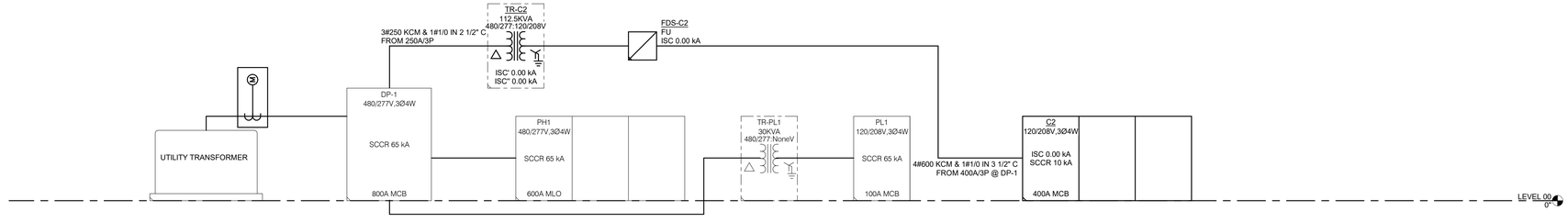
PROJECT #23000288.00

4/25/2023 10:31:07 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt



NORTH 1 **NORTH CONCESSIONS BUILDING RISER DIAGRAM**

12" = 1'-0"



NORTH 2 **SOUTH CONCESSIONS BUILDING RISER DIAGRAM**

12" = 1'-0"

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

ELECTRICAL DIAGRAMS
E500

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 10:31:07 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt

PLAN ID	LIGHTING CONTROL SEQUENCE DESCRIPTION: NOTES: 1, {L##} DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE. 2, [#B] PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF [RAISE/LOWER AND] SWITCHING ON/OFF FOR MULTIPLE SCENES AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF...
{LS1}	Sequence: Switched lights are controlled in this space. ON: The lights turn on via an outdoor photocell when insufficient daylight is available. OFF: The lights will automatically turn off by astronomic time switch.
{LS2}	Sequence: Switched lights are controlled in this space. ON: The lights turn on via an outdoor photocell when insufficient daylight is available. OFF: The lights will automatically turn off when sufficient daylight is available.
{LS3}	Sequence: Switched lights are controlled in this space. ON: The lights turn on using switches. OFF: The lights turn off using switches.
{LS4}	Sequence: Switched lights are controlled in this space. ON: The lights turned on using switches. OFF: After the space has been vacant for 15 minutes, the lights will automatically turn off.
{LS5}	Sequence: Switched lights are controlled in this space. ON: The lights are turn on by occupancy sensor or by switch. OFF: The lights are After the space has been vacant for 15 minutes, the lights will automatically turn off.
{LS6}	Sequence: Switched lights and exhaust fan are controlled in this space. ON: The lights turn on by occupancy sensor. Exhaust fan shared with other toilet is turned on by occupancy sensor. OFF: The lights turn off after the space has been vacant for 15 minutes. Exhaust fan is turned off after both toilets are vacant for 15 minutes. [ADDITIONAL CONTROL: This space will have contact closure outputs available for VAV unoccupied control.]
{LD1}	Sequence: Dimmed lights are controlled in this space. ON: The lights turned on using a wall control or at last switched state upon occupancy. ADJUST: The dimmable lights are raised / lowered using a wall controller. OFF: The lights may be turned off using a wall controller. After the space has been vacant for 15 minutes, the lights will automatically turn off. [ADDITIONAL CONTROL: This space will have contact closure outputs available for VAV unoccupied control.]

LED LUMINAIRE SCHEDULE

(DESC) DOOR:	**DISTRIBUTION:**	**BEAM/WIDTH:**	**(L/L) LENS/LOUVER:**
FA - FLAT ALUMINUM	II - ANSI/IES TYPE 2 DISTRIBUTION	NSP - VERY NARROW SPOT	K19 - KSH19 .156" ACRYLIC
FS - FLAT STEEL	III - ANSI/IES TYPE 3 DISTRIBUTION	SP - SPOT	A - 125"ACRYLIC
RA - REGRESSED ALUMINUM	IV - ANSI/IES TYPE 4 DISTRIBUTION	MD - MEDIUM	B - BAFFLE/LOUVER
RS - REGRESSED STEEL	V - ANSI/IES TYPE 5 DISTRIBUTION	WD - WIDE	C - CLEAR ALZAK
FINISH:		VWD - VERY WIDE	F - FROSTED ACRYLIC
PAF - PAINT AFTER FABRICATION		WW - WALL WASH	G - TEMPERED GLASS
CFSA - COLOR-FINISH SELECTION BY ARCHITECT			K - KSH12 .125" ACRYLIC
(MTG)...	RE - RECESSED		**(WATT) PER: FIX - FIXTURE, FT - FOOT, LAMP**
CL - CEILING SURFACE	SP - SUSPENDED		**(TYPE) LED**
CV - COVE	SU - SURFACE		LED - LIGHT EMITTING DIODE
FR - FLANGED RECESSED	UC - UNDER CABINET		TLED - TUBULAR LED LAMP
P - PERIMETER	WL - WALL		OLED - ORGANIC LED
PL - POLE	O - OTHER (SEE DESCRIPTION)		DLED - DYNAMIC TUNABLE LED
(TYPE) DRIVER:			
0-10V - 0-10V DIMMING	EB - ELECTRONIC	HL - HIGH/LOW (100%/50%) STEP DIM	MV - MULTI-VOLTAGE ELECTRONIC
DALI - DIGITAL ADDRESSABLE	ELV - ELECTRONIC LOW VOLTAGE	LINE - LINE VOLTAGE DIMMING	REM - REMOTE
DMX - DIGITAL MULTIPLEX	EM - EMERGENCY BATTERY	ML - MULTI-LEVEL SWITCHING	O - OTHER (SEE DESCRIPTION)

				DIMENSIONS				WATT		LED			DRIVER		
ITEM	**DESCRIPTION**	**L/L**	**MTG**	**L**	**W**	**H**	**DIA**	**MAX ANSI**	**PER**	**TYPE**	**QTY**	**DELIVERED LUMENS (MIN)**	**VOLTS**	**TYPE**	**APPROVED MANUFACTURER / SERIES**
F1	RECESSED ARCHITECTURAL LED TROFFER WITH ONE-PIECE 24 GAUGE STEEL REFLECTOR AND HOUSING. OPAL ACRYLIC DIFFUSER. WHITE POWER COAST FINISH.	O	RE	48"	24"	4"	NA	51 W	FIX	LED	1	5500	120V	0-10V	FOCAL POINT FEG2-24 SERIES FINELITE HPR SERIES MARK ARCHITECTURAL WHSPR SERIES OR ENGINEER PRE-APPROVED EQUIVALENT.
F1A	SIMILAR TO F1 BUT WITH A LOWER LUMEN PACKAGE.	O	RE	48"	24"	4"	NA	33 W	FIX	LED	1	4000	120V	0-10V	REFER TO F1.
F2	3.5" ROUND DOWNLIGHT. 50 DEGREE BEAM SPREAD. WIDE FLOOD. FINISH SELECTED BY ARCHITECT.	O	RE	NA	NA	2.6"	4"	12 W	FIX	LED	1	2100	120V	0-10V	FOCAL POINT FLC3D SERIES GOTHAM EVO SERIES PORTFOLIO LD4C SERIES OR ENGINEER PRE-APPROVED EQUIVALENT.
F3	LED SURFACE LED MOUNT LUMINAIRE, EXTRUDED MARINE ALUMINIUM HOUSING, LISTED FOR DAMP LOCATION,IP64 RATED	P	CL	48"	5"	4"	NA	49 W	FIX	LED	1	4000	120V	0-10V	KENALL ML4AS SERIES OR ENGINEER PRE-APPROVED EQUIVALENT.
F4	LINEAR RECESSED LED FIXTURE. 4" APERATURE, ONE PIECE ALUMINUM HOUSING. FINISH SELECTED BY ARCHITECT. REFER TO DRAWINGS FOR EXACT LENGTH.	O	RE	X"	4"	4.88"	NA	13 W	FT	LED	1	375 LUMEN/FT	120V	0-10V	FOCAL POINT FSM4L SERIES AXIS BBLED SERIES FINELITE HP-4R SERIES OR ENGINEER PRE-APPROVED...
F5	SURFACE MOUNT LUMINAIRE, 22 GUAGE STEEL CONSTRUCTION, POLYCARBONATE END CAPS, ACRYLIC LENS, LISTED FOR DAMP LOCATIONS.	F	SP/CL	48"	3"	3.875"	NA	31 W	FIX	LED	1	4000	120V	0-10V	COOPER METALUX SNLED SERIES COLUMBIA LCL SERIES LITHONIA CLX SERIES OR ENGINEER PRE-APPROVED...
F6	LED CEILING MOUNT FOOD PROCESSING LUMINAIRE. DIFFUSED HIGH-EFFICIENCY LENS. RECESSED CEILING MOUNT. ONE PIECE OVERLAPPING DOOR.	F	CL	47.94"	23.94"	4.43"	NA	48 W	FIX	LED	1	4000	120V	0-10V	KENALL CSEDO SERIES OR ENGINEER PRE-APPROVED EQUIVALENT.
F7	3" SUSPENDED BIDIRECTIONAL LINEAR LED LUMENAIRE. APPROVED FOR WET LOCATION. IP65 AND IK10 RATED. SATINE WET LENS AND EXTRUDED ALUMINUM HOUSING. REFER TO DRAWINGS FOR EXACT LENGTH.	O	SP	X"	3.687"	4.687"	NA	4.3 W	FT	LED	1	447 LUMEN/FT	120V	0-10V	PINNACLE EDGE WET 3 OR ENGINEER PRE-APPROVED EQUIVALENT.
F8	3" WALL MOUNTED BIDIRECTIONAL LINEAR LED LUMENAIRE. APPROVED FOR WET LOCATION. IP65 AND IK10 RATED. SATINE WET LENS AND EXTRUDED ALUMINUM HOUSING.	O	WL	24"	3.687"	4.687"	NA	4.3 W	FT	LED	1	447 LUMEN/FT	120V	0-10V	PINNACLE EDGE WET 3 OR ENGINEER PRE-APPROVED EQUIVALENT.
F9	WALL MOUNTED COMMERCIAL OUTDOOR LED. EMERGENCY BATTERY BACKUP.	O	WL	5.5"	9"	8"	NA	4 W	FIX	LED	1	1200	120V	EM	LITHONIA WDGE1 LED OR PRE-OR ENGINEER PRE-APPROVED EQUIVALENT.
EM1	EMERGENCY UNIT, TWO ADJUSTABLE LED HEADS. WHITE THERMOPLASTIC HOUSING. SELF TEST & DIAGNOSTICS OF INVERTER AND LAMPS.	O	WL	11"	3.5"	7.5"	N/A	3 W	FIX	LED	1	3 WATT LED	120V	EM	HUBBELL DUAL-LITE EVHC ACUITY LITHONIA ELM4L EELP EM20-E-LED ISOLITE BUG SERIES OR ENGINEER PRE-APPROVED EQUIVALENT
EX1	SINGLE-FACE EXIT SIGN, WHITE THERMOPLASTIC BODY, GREEN LETTERS, EMERGENCY NI-CAD BATTERY INSIDE OF SIGN, UNIVERSAL ARROWS/MOUNTING. SUITABLE FOR OPERATION IN TEMPERATURES OF 0-40 DEGREES CELSIUS.	O	WL	12"	1.5"	10"	N/A	3 W	FIX	LED	1	3 WATT LED	120V	EM	ACUITY LITHONIA LQMS SIGNIFY CHLORIDE CLX CURRENT HLI DUAL-LITE EVE COOPER SURELITES APX* OR ENGINEER PRE-APPROVED EQUIVALENT

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATION SECTIONS LIGHTING 26 51 19 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
INTERIOR CORRELATED COLOR TEMPERATURE 4000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.
EXTERIOR CORRELATED COLOR TEMPERATURE 4000K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE. Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

ELECTRICAL SCHEDULES

E600

IMEG
2892 100TH STREET
DES MOINES, IA 50322
P: 515.334.9606 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 10:31:08 AM
Autodesk Docs://22038 Grimesplex/IMEP22_23000288.00_22038 Grimesplex_C.rvt

ELECTRICAL CONNECTION SCHEDULE

	ITEM	LOCATION	VOLTAGE	LOAD CLASS.	MOTOR	MOTORS QTY @ HP	MOTORS QTY @ HP	MOTORS QTY @ HP	ELECTRIC HEATING ELEMENT (KW)	APPARENT LOAD	FLA	MCA	MOCP	OCPD	REQ EMER	CIRCUIT NUMBER	WIRE AND RACEWAY	ISC	SCCR	DISCONNECT BY	DISCONNECT TYPE	CONTROLLER / STARTER BY	CONTROLLER / STARTER TYPE	COMMENTS
	L-1		120 V, 1Ø	Receptacles	No	0 - 0	0 - 0	0 - 0	0	0.00 kVA	0 A	0 A	0 A	20 A	No			0 A	0 A					

PANEL C1

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 400 A/3P @ DP-2
LOCATION: ELEC N106B

SOLID NEUTRAL
GROUND BUS

MAIN: 400 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	WIRE SIZE N	WIRE SIZE G	A	B	C	WIRE SIZE G	WIRE SIZE N	WIRE SIZE H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	INDOOR LIGHTING	20 A	1	12	12	12	2.75	0.12		12	12	12	1	20 A	WC/LUR CONNECTIONS	2	*G
*G	3	FRIDGE 1	20 A	1	12	12	12			1	12	12	12	1	20 A	FRIDGE 2	4	*G
	5	OFFICE RECEPTACLES	20 A	1	12	12	12				12	12	12	1	20 A	MEETING RECEPTACLES	6	
	7	OUTDOOR LIGHTING	20 A	1	12	12	12	0.67	0.36		12	12	12	1	20 A	ELEC ROOM RECEPTACLES	8	
	9	RR RECEPTACLE	20 A	1	12	12	12			0.18	12	12	12	1	20 A	CONTROL RECEPTACLE 1	10	
	11	CONTROL RECEPTACLE 2	20 A	1	12	12	12			0.36	12	12	12	1	20 A	CONTROL RECEPTACLE 3	12	
	13	F-RR/M-RR/W-RR/JAN RECEPTACLES	20 A	1	12	12	12	0.54	0.54		12	12	12	1	20 A	PURCHASE WINDOW RECEPTACLES	14	
	15	HOT DOG MACHINE	20 A	1	12	12	12			1	12	12	12	1	20 A	PRETZEL MACHINE	16	
	17	HOT CHOCOLATE MACHINE	20 A	1	12	12	12				12	12	12	1	20 A	COFFEE MACHINE	18	
	19	CHEESE MACHINE	20 A	1	12	12	12	1	1		12	12	12	1	20 A	POPCORN MACHINE	20	
	21	PIZZA WARMER	20 A	1	12	12	12			1	12	12	12	1	20 A	PIZZA OVEN	22	
	23	MICROWAVE	20 A	1	12	12	12				12	12	12	1	20 A	MICROWAVE	24	
	25	UNDER COUNTER RECEPTACLE 1	20 A	1	12	12	12	0.18	0.18		12	12	12	1	20 A	UNDER COUNTER RECEPTACLE 2	26	
	27	UNDER COUNTER RECEPTACLE 3	20 A	1	12	12	12			0.18	12	12	12	1	20 A	HANGING TV RECEPTACLE	28	
	29	UNDER COUNTER RECEPTACLE 4	20 A	1	12	12	12				12	12	12	1	20 A	CHANGING STATION	30	
	31	BEAM RECEPTACLE 1	20 A	1	12	12	12	0.18	0.54		12	12	12	1	20 A	OUTDOOR RECEPTACLES	32	
	33	DEDICATED OUTDOOR RECEPTACLE	20 A	1	12	12	12			0.18	12	12	12	1	20 A	MECH ROOM RECEPTACLE	34	
	35	CONCESSIONS WALL RECEPTACLES 1	20 A	1	12	12	12			0.54	0.36	12	12	1	20 A	CONCESSIONS WALL RECEPTACLES 2	36	
*G	37	COOLER	20 A	2	12	12	12	0.57	0.8		12	12	12	1	20 A	F-2N	38	
--	39	--	--	--	--	--	--		0.57	0.6		12	12	1	20 A	F-1N	40	
	41	UNDER COUNTER RECEPTACLE 6	20 A	1	12	12	12			0.18	1.12	10	10	1	25 A	HAND DRYER 1	42	*G
*G	43	HAND DRYER 2	25 A	1	10	10	10	1.12	1.12			10	10	1	25 A	HAND DRYER 3	44	*G
*G	45	HAND DRYER 4	25 A	1	10	10	10		1.12	1.12		10	10	1	25 A	HAND DRYER 5	46	*G
*G	47	HAND DRYER 6	25 A	1	10	10	10			1.12	1.12	10	10	1	25 A	HAND DRYER 7	48	*G
	49	SIGN	20 A	1	12	12	12	1.2	0.18		12	12	12	1	20 A	TECH RACK RECEPTACLE	50	
	51	MEETING ROOM MONITOR RECEPTACLES	20 A	1	12	12	12		0.36	0.18		12	12	1	20 A	CONTROL RECEPTACLE 4	52	
	53	WATER HEATER	200 A	1	3/0	3/0	6			17.7	0.54	12	12	1	20 A	OUTDOOR MONITORS	54	*G
	55	BEAM RECEPTACLE 2	20 A	1	12	12	12	0.18	0.36			12	12	1	20 A	FLOOR BOX	56	
	57	FAMILY RR RECEPTACLE	20 A	1	12	12	12		0.18	0.5		10	6	6	3	60 A	(FUTURE) DISHWASHER	58	
	59	BEAM RECEPTACLE 3	20 A	1	12	12	12			0.18	0.5	--	--	--	--	--	--	60	--
	61	BEAM RECEPTACLE 4	20 A	1	12	12	12	0.18	0.5			--	--	--	--	--	--	62	--
	63	EF-3N	20 A	1	12	12	12		0.15	0.57		12	12	2	20 A	COOLER CU	64	
--	65	EXTERIOR LIGHTING CONTROLS	20 A	1	--	--	--				0	0.57	--	--	--	--	66	--
	67	HWC-2	20 A	1	12	12	12	0.5	0			--	--	--	1	20 A	SPARE	68	--
--	69	SPARE	20 A	1	--	--	--			0	0.18	12	12	1	20 A	BEAM RECEPTACLE 5	70	
	71	BEAM RECEPTACLE 6	20 A	1	12	12	12				0.18	0.18	12	12	1	20 A	BEAM RECEPTACLE 7	72	
	73								1.88				10	10	10	2	25 A	CU-1N	74	
	75	CU-2N	30 A	2	10	10	10			2.2	1.88		--	--	--	--	--		76	--
--	77	--	--	--	--	--	--				2.2	0.8	12	12	12	2	20 A	ERV-1N	78	
	79	EHC-1N	60 A	2	6	6	10	5	0.8			--	--	--	--	--	--	80	--
--	81	--	--	--	--	--	--		5	4.2		10	6	6	2	60 A	UH-1N	82	
--	83	SPD	30 A	3	--	--	--				0	4.2	--	--	--	--	--	84	--
--	85	--	--	--	--	--	--	0	0				--	--	--	1	20 A	SPARE	86	--
--	87	--	--	--	--	--	--			0	0		--	--	--	1	20 A	SPARE	88	--
--	89	SPARE	20 A	1	--	--	--				0	0	--	--	--	1	20 A	SPARE	90	--
--	91	SPARE	20 A	1	--	--	--	0	0				--	--	--	1	20 A	SPARE	92	--
--	93	SPARE	20 A	1	--	--	--			0	0		--	--	--	1	20 A	SPARE	94	--
--	95	SPARE	20 A	1	--	--	--				0	0	--	--	--	1	20 A	SPARE	96	--
--	97	SPARE	20 A	1	--	--	--	0	0				--	--	--	1	20 A	SPARE	98	--
--	99	SPARE	20 A	1	--	--	--			0	0		--	--	--	1	20 A	SPARE	100	--
--	101	SPACE	--	1	--	--	--					--	--	--	--	1	--	SPACE	102	--
--	103	SPACE	--	1	--	--	--	--	--				--	--	--	1	--	SPACE	104	--
--	105	SPACE	--	1	--	--	--			--	--		--	--	--	1	--	SPACE	106	--
--	107	SPACE	--	1	--	--	--					--	--	--	--	1	--	SPACE	108	--
--	109	SPACE	--	1	--	--	--	--	--				--	--	--	1	--	SPACE	110	--
--	111	SPACE	--	1	--	--	--			--	--		--	--	--	1	--	SPACE	112	--
--	113	SPACE	--	1	--	--	--					--	--	--	--	1	--	SPACE	114	--
--	115	SPACE	--	1	--	--	--	--	--				--	--	--	1	--	SPACE	116	--
--	117	SPACE	--	1	--	--	--			--	--		--	--	--	1	--	SPACE	118	--
--	119	SPACE	--	1	--	--	--					--	--	--	--	1	--	SPACE	120	--
--	121	SPACE	--	1	--	--	--	--	--				--	--	--	1	--	SPACE	122	--
--	123	SPACE	--	1	--	--	--			--	--		--	--	--	1	--	SPACE	124	--
--	125	SPACE	--	1	--	--	--					--	--	--	--	1	--	SPACE	126	--
			Total Load:					22.43 kVA	25.88 kVA	40.55 kVA								
			Total Amps:					186.90	220.04	342.29								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*	
HVAC	19.25 kVA	100.00%	19.25 kVA		
HVAC Cooling Only	9.28 kVA	100.00%	9.28 kVA	**TOTAL CONNECTED LOAD:**	88.85 kVA
HVAC Heating Only	8.4 kVA	100.00%	8.4 kVA	**TOTAL ESTIMATED DEMAND LOAD:**	73.081 kVA
Lighting	3.413 kVA	100.00%	3.413 kVA	**TOTAL CONNECTED AMPS:**	246.62 A
Power	23.77 kVA	100.00%	23.77 kVA	**TOTAL ESTIMATED DEMAND AMPS:**	202.9 A
Receptacles	24.735 kVA	70.21%	17.368 kVA		

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: *G = GFCI RATED CIRCUIT BREAKER

PANEL C2

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 400 A/3P @ DP-1
LOCATION: ELEC S106B

SOLID NEUTRAL
GROUND BUS

MAIN: 400 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	WIRE SIZE N	WIRE SIZE G	A	B	C	WIRE SIZE G	WIRE SIZE N	WIRE SIZE H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
--	1	SPD	30 A	3	--	--	--	0	2.71		12	12	12	1	20 A	INDOOR LIGHTING	2	
--	3	--	--	--	--	--	--			0	0.67		12	12	12	1	20 A	OUTDOOR LIGHTING	4	
--	5	--	--	--	--	--	--					0	0.18	12	12	1	20 A	BEAM RECEPTACLE 1	6	
	7	OUTDOOR RECEPTACLES	20 A	1	12	12	12	0.54	0.18					12	12	1	20 A	MECH ROOM RECEPTACLE	8	
	9	DEDICATED OUTDOOR RECEPTACLE	20 A	1	12	12	12			0.18	0.18			12	12	1	20 A	BEAM RECEPTACLE 2	10	
	11	BEAM RECEPTACLE 3	20 A	1	12	12	12					0.18	0.18	12	12	1	20 A	BEAM RECEPTACLE 4	12	
	13	BEAM RECEPTACLE 5	20 A	1	12	12	12	0.18	0.18					12	12	1	20 A	BEAM RECEPTACLE 6	14	
	15	BEAM RECEPTACLE 7	20 A	1	12	12	12			0.18	1.9			10	10	2	25 A	CU-1S	16	
	17	CU-2S	30 A	2	10	10	10					2.2	1.9	--	--	--	--		18	--
--	19	--	--	--	--	--	--	2.2	1.13					12	12	1	20 A	F-1S	20	
	21	CONCESSIONS WALL RECEPTACLES 1	20 A	1	12	12	12			0.54	1			12	12	1	20 A	HOT DOG MACHINE	22	
	23	PRETZEL MACHINE	20 A	1	12	12	12					1	1	12	12	1	20 A	HOT CHOCOLATE MACHINE	24	
	25	COFFEE MACHINE	20 A	1	12	12	12	1	1					12	12	1	20 A	CHEESE MACHINE	26	
	27	POPCORN MACHINE	20 A	1	12	12	12			1	1			12	12	1	20 A	PIZZA WARMER	28	
	29	PIZZA OVEN	20 A	1	12	12	12					1	1	12	12	1	20 A	MICROWAVE	30	
	31	MICROWAVE	20 A	1	12	12	12	1	0.18					12	12	1	20 A	UNDER COUNTER RECEPTACLE 1	32	
	33	UNDER COUNTER RECEPTACLE 2	20 A	1	12	12	12			0.18	0.18			12	12	1	20 A	HANGING TV RECEPTACLE	34	
	35	UNDER COUNTER RECEPTACLE 3	20 A	1	12	12	12					0.18	0.18	12	12	1	20 A	UNDER COUNTER RECEPTACLE 4	36	
*G	37	FRIDGE 1	20 A	1	12	12	12	1	1					12	12	1	20 A	FRIDGE 2	38	*G
	39	PURCHASE WINDOW RECEPTACLES	20 A	1	12	12	12			0.54	0.36			12	12	1	20 A	CONCESSIONS WALL RECEPTACLES 2	40	
*G	41	OUTDOOR MONITORS	20 A	1	12	12	12					0.54	0.18	12	12	1	20 A	UNDER COUNTER RECEPTACLE 6	42	
*G	43	COOLER	20 A	2	12	12	12	0.57	0.12					12	12	1	20 A	WC/LUR CONNECTIONS	44	*G
--	45	--	--	--	--	--	--			0.57	0.18			12	12	1	20 A	FAMILY RR RECEPTACLE	46	
	47	CHANGING STATION	20 A	1	12	12	12					1	0.54	12	12	1	20 A	F-RR/M-RR/W-RR/JAN RECEPTACLES	48	
*G	49	HAND DRYER 1	25 A	1	10	10	10	1.12	1.12					10	10	1	25 A	HAND DRYER 2	50	*G
*G	51	HAND DRYER 3	25 A	1	10	10	10			1.12	0.8			12	12	1	20 A	F-2S	52	
	53	ERV-1S	20 A	2	12	12	12					0.8	5	10	6	2	60 A	EHC-1S	54	
--	55	--	--	--	--	--	--	0.8	5					--	--	--	--	--	56	--
	57	WATER HEATER	200 A	1	3/0	3/0	6			17.7	1.12			10	10	10	1	25 A	HAND DRYER 4	58	*G
*G	59	HAND DRYER 5	25 A	1	10	10	10					1.12	1.12	10	10	10	1	25 A	HAND DRYER 6	60	*G
	61	TECH RACK RECEPTACLE	20 A	1	12	12	12	0.18	0.36					12	12	1	20 A	CONTROL RECEPTACLE 2	62	
	63	CONTROL RECEPTACLE 1	20 A	1	12	12	12			0.18	0.18			12	12	1	20 A	CONTROL RECEPTACLE 4	64	
	65	CONTROL RECEPTACLE 3	20 A	1	12	12	12					0.18	0.36	12	12	1	20 A	CONTROL RECEPTACLE 3	66	
	67	RR RECEPTACLE	20 A	1	12	12	12	0.18	1.12					10	10	10	1	25 A	HAND DRYER 7	68	*G
	69	SIGN	20 A	1	12	12	12			1.2	0.15			12	12	1	20 A	EF-3S	70	
	71	UH-1S	60 A	2	6	6	10					4.2	0.36	12	12	1	20 A	MEETING ROOM MONITOR RECEPTACLES	72	
	73	--	--	--	--	--	--	4.2	0.54					12	12	1	20 A	FLOOR BOX	74	
	75	MEETING RECEPTACLES	20 A	1	12	12	12			0.72	0.9			12	12	1	20 A	MEETING RECEPTACLES	76	
	77	COOLER CU	20 A	2								0.57	0	--	--	--	1	20 A	EXTERIOR LIGHTING CONTROLS	78	--
--	79	--	--	--	--	--	--	0.57	0.5					12	12	12	1	20 A	HWC-4	80	
--	81	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	82	--
--	83	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	84	--
--	85	SPARE	20 A	1	--	--	--	0	0					--	--	--	1	20 A	SPARE	86	--
--	87	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	88	--
--	89	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	90	--
--	91	SPARE	20 A	1	--	--	--	0	0					--	--	--	1	20 A	SPARE	92	--
--	93	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	94	--
--	95	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	96	--
--	97	SPARE	20 A	1	--	--	--	0	0					--	--	--	1	20 A	SPARE	98	--
--	99	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	100	--
--	101	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	102	--
--	103	SPACE	--	1	--	--	--	--	--					--	--	--	1	--	SPACE	104	--
--	105	SPACE	--	1	--	--	--			--	--			--	--	--	1	--	SPACE	106	--
--	107	SPACE	--	1	--	--	--					--	--	--	--	--	1	--	SPACE	108	--
--	109	SPACE	--	1	--	--	--	--	--					--	--	--	1	--	SPACE	110	--
--	111	SPACE	--	1	--	--	--			--	--			--	--	--	1	--	SPACE	112	--
--	113	SPACE	--	1	--	--	--					--	--	--	--	--	1	--	SPACE	114	--
--	115	SPACE	--	1	--	--	--	--	--					--	--	--	1	--	SPACE	116	--
--	117	SPACE	--	1	--	--	--			--	--			--	--	--	1	--	SPACE	118	--
--	119	SPACE	--	1	--	--	--					--	--	--	--	--	1	--	SPACE	120	--
--	121	SPACE	--	1	--	--	--	--	--					--	--	--	1	--	SPACE	122	--
--	123	SPACE	--	1	--	--	--			--	--			--	--	--	1	--	SPACE	124	--
--	125	SPACE	--	1	--	--	--					--	--	--	--	--	1	--	SPACE	126	--
			Total Load:					28.66 kVA	32.72 kVA	24.97 kVA								
			Total Amps:					243.59	277.42	208.04								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*	
HVAC	19.78 kVA	100.00%	19.78 kVA		
HVAC Cooling Only	9.33 kVA	100.00%	9.33 kVA	**TOTAL CONNECTED LOAD:**	86.35 kVA
HVAC Heating Only	8.4 kVA	100.00%	8.4 kVA	**TOTAL ESTIMATED DEMAND LOAD:**	71.351 kVA
Lighting	3.373 kVA	100.00%	3.373 kVA	**TOTAL CONNECTED AMPS:**	239.68 A
Power	22.27 kVA	100.00%	22.27 kVA	**TOTAL ESTIMATED DEMAND AMPS:**	198.1 A
Receptacles	23.195 kVA	71.56%	16.598 kVA		

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: *G = GFCI RATED CIRCUIT BREAKER

PANEL M1

MOUNTING: SURFACE
ENCLOSURE: NEMA PB 1
FED FROM: 400 A/3P CB @ DP-2
LOCATION: MAINTENANCE BLDG 110

SOLID NEUTRAL
GROUND BUS

MAIN: 225 A MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
SCCR: 10 kA
ISC UNKNOWN 0.00 kA

NOTES:

KEY	CKT NO.	LOAD DESCRIPTION	OCPD AMPS	P	WIRE SIZE H	WIRE SIZE N	WIRE SIZE G	A	B	C	WIRE SIZE G	WIRE SIZE N	WIRE SIZE H	P	OCPD AMPS	LOAD DESCRIPTION	CKT NO.	KEY
	1	LIGHTING	20 A	1	12	12	12	1.01	0.5		12	12	12	1	20 A	UH-7	2	
	3	F-3	20 A	1	12	12	12			0.6	0.45			12	12	1	20 A	EF-4	4	
	5	OVHED DOOR 1	20 A	1	12	12	12					1.13	1.13	12	12	1	20 A	OVHED DOOR 2	6	
*G	7	FRIDGE	20 A	1	12	12	12	1	1.08					12	12	1	20 A	MAINTENANCE RECEPTACLES 1	8	
	9	MAINTENANCE RECEPTACLES 2	20 A	1	12	12	12			1.08	1			12	12	1	20 A	COUNTER RECEPTACLE 1	10	
	11	COUNTER RECPTACLE 2	20 A	1	12	12	12					1	5	12	12	1	20 A	BREAK ROOM RECEPTACLES	12	
	13	MECH RECEPTACLE 1	20 A	1	12	12	12	0.18	0.18					12	12	1	20 A	MECH RECEPTACLE 2	14	
	15	MECH RECEPTACLE 3	20 A	1	12	12	12			0.18	0.18			12	12	1	20 A	TECH RECEPTACLE 1	16	
	17	TECH RACK RECEPTACLE	20 A	1	12	12	12					0.18	0.18	12	12	1	20 A	TECH RECEPTACLE 3	18	
	19	RR RECEPTACLE	20 A	1	12	12	12	0.18	0.9					12	12	1	20 A	MAINTENANCE RECEPTACLES 3	20	
	21	TECH RECEPTACLE 3	20 A	1	12	12	12			0.18	0.02			12	12	1	20 A	EF-2	22	
	23	WATER HEATER	60 A	1	4	4	10					5.3	1	12	12	1	20 A	ICE MACHINE	24	*G
	25	EF-1	20 A	1	12	12	12	0.04	1.25					12	12	2	20 A	CU-3	26	
	27	UH-2	20 A	2	12	12	12			1.7	1.25			--	--	--	--	--	28	--
--	29	--	--	--	--	--	--					1.7	0.18	12	12	1	20 A	OUTDOOR RECEPTACLE 1	30	
	31	OUTDOOR RECEPTACLE 2	20 A	1	12	12	12	0.18	2.39					10	10	10	2	30 A	SS-2	32	
	33	MOD-1	0 A	1						0	2.39			--	--	--	--	--	34	--
	35	MOD-2	0 A	1								0	1.13	8	6	6	1	20 A	FUEL TANK RECEPTACLE	36	*G
--	37	SPD	30 A	3	--	--	--	0	1.7					12	12	12	2	20 A	UH-5	38	
--	39	--	--	--	--	--	--			0	1.7			--	--	--	--	--	40	--
--	41	--	--	--	--	--	--					0	1.7	12	12	2	20 A	UH-4	42	
	43	UH-5	20 A	2	12	12	12	1.7	1.7					--	--	--	--	--	44	--
--	45	--	--	--	--	--	--			1.7	0.06			12	12	1	20 A	UH-6	46	
	47	HWC-3	20 A	1	12	12	12					0.5	0	--	--	--	1	20 A	SPARE	48	--
--	49	SPARE	20 A	1	--	--	--	0	0					--	--	--	1	20 A	SPARE	50	--
--	51	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	52	--
--	53	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	54	--
--	55	SPARE	20 A	1	--	--	--	0	0					--	--	--	1	20 A	SPARE	56	--
--	57	SPARE	20 A	1	--	--	--			0	0			--	--	--	1	20 A	SPARE	58	--
--	59	SPARE	20 A	1	--	--	--					0	0	--	--	--	1	20 A	SPARE	60	--
			Total Load:					13.99 kVA	12.49 kVA	20.13 kVA								
			Total Amps:					118.49	104.10	169.67								

LOAD SUMMARY

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS*	
HVAC					
HVAC Cooling Only				**TOTAL CONNECTED LOAD:**	46.61 kVA
HVAC Heating Only	14.16 kVA	100.00%	14.16 kVA	**TOTAL ESTIMATED DEMAND LOAD:**	35.702 kVA
Lighting	1.007 kVA	100.00%	1.007 kVA	**TOTAL CONNECTED AMPS:**	129.38 A
Power	0.99 kVA	100.00%	0.99 kVA	**TOTAL ESTIMATED DEMAND AMPS:**	99.1 A
Receptacles	17.25 kVA	78.99%	13.625 kVA		

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: *G = GFCI RATED CIRCUIT BREAKER

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The HIVE® Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

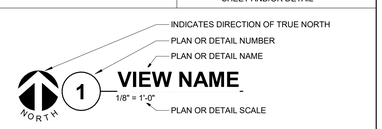
REVISIONS

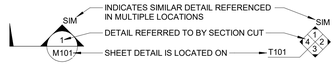
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL





LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
———— NEW
- - - - - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
———— EXISTING
- - - - - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS.

BUILDING CODE:	IBC 2018 EDITION
FIRE CODE:	IFC 2018 EDITION
PLUMBING CODE:	UPC 2021 EDITION
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
ENERGY CONSERVATION CODE:	IECC 2012
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
DC	AC-DC	DOOR CONTACT	2.
EDH	AC-EDH	ELECTRIFIED DOOR HARDWARE	2.
RTE	AC-RTE	REQUEST TO EXIT	2.
CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	2.
R#	AC-R#-W	SECURITY CREDENTIAL READER (WALL)	2.
C#	SC-IO-W	INFORMATION OUTLET (WALL)	1.
RI	SC-RI-W	INFORMATION OUTLET ROUGH-IN (WALL)	.
W	SC-WP-W	INFORMATION OUTLET WALL PHONE (WALL)	1.
C#	SC-IO-C	INFORMATION OUTLET (CEILING)	1.
CM-#	VS-CM-#	VIDEO SURVEILLANCE CAMERA 270° FIELD OF VIEW	3.
CM-#	VS-CM-#	VIDEO SURVEILLANCE CAMERA 360° FIELD OF VIEW	3.
CM-#	VS-CM-#	VIDEO SURVEILLANCE CAMERA SINGLE LENS FIELD OF VIEW	3.
WIDTH X HEIGHT		CABLE TRAY, CHANNEL TRAY, BASKET TRAY	
WIDTH X HEIGHT		LADDER RACK	
DIAMETERø C		CONDUIT	
		CONDUIT DOWN	
		CONDUIT UP OR UP/DOWN	
		CONDUIT SLEEVE	
		CONTINUATION	

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
2. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
3. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.
4. REFER TO RISERS ON SHEET(S): T200,T201.

TECHNOLOGY SYMBOL NOTES:

1. "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T300 FOR ADDITIONAL INFORMATION.
2. REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T201 FOR ADDITIONAL INFORMATION.
3. "CM-#" ON FLOOR PLANS INDICATES CAMERA TYPE AND IS ASSOCIATED WITH THE CORRESPONDING "VS-CM-#" EQUIPMENT SCHEDULE ABBREVIATION. "##-##" SUBSCRIPT INDICATES FLOOR NUMBER-CAMERA NUMBER. REFER TO INDIVIDUAL CAMERA REQUIREMENT SCHEDULE ON T201 FOR ADDITIONAL INFORMATION.

TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFC	BELOW FINISHED CEILING
C	CONDUIT
DE	DELAYED EGRESS
DPDT	DOUBLE POLE DOUBLE THROW
FOV	FIELD OF VIEW
J-BOX	JUNCTION BOX
POE	POWER OVER ETHERNET
PTZ	PAN TILT ZOOM
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
MDF	MAIN DISTRIBUTION FRAME

SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN, REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27 05 28 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM, REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7. 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2. 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, AND MANHOLES	[E]T-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

SUGGESTED MATRIX OF RESPONSIBILITY NOTES

1. LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
3. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
5. UNLESS TRADE RULES DICTATE OTHERWISE.
6. FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
7. INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
8. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE TECHNOLOGY BONDING RISER DIAGRAM AND TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
MDF	N/A	T110	112

TECHNOLOGY SHEET INDEX

T000	TECHNOLOGY COVERSHEET
T100N	NORTH CONCESSIONS BUILDING PLANS - TECHNOLOGY
T100S	SOUTH CONCESSIONS BUILDING PLANS - TECHNOLOGY
T101	MAINTENANCE BUILDING PLANS - TECHNOLOGY
T200	TECHNOLOGY DETAILS
T201	TECHNOLOGY DETAILS
T202	TECHNOLOGY DETAILS
T300	TECHNOLOGY SCHEDULES

GRAND TOTAL: 8

TECHNOLOGY GENERAL NOTES:

1. ##.###-# INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.

TECHNOLOGY MOUNTING SUBSCRIPT KEY:
A MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
H MOUNT ORIENTED HORIZONTALLY
L MOUNT IN CASEWORK
M MOUNT IN MODULAR FURNITURE
S MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.

TECHNOLOGY INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
4. VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
5. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
7. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 27 05 03 AND 28 05 03 DIVISION 7 26 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
8. THE TECHNOLOGY CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THE CEILINGS, CEILING TILES, AND CEILING GRID ASSOCIATED WITH THE AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
9. ALL LADDER RACK AND CABLE TRAY SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATION SECTION[S] 27 05 28 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.
10. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH. NTD: EDIT TO MATCH SCOPE
11. FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
12. MOUNT BACKBOXES FLUSH WITH WALL. ALL BACKBOX HEIGHTS ARE TO CENTERLINE DIMENSION, UNLESS OTHERWISE NOTED.
13. PROVIDE RACEWAY AND BOXES LISTED FOR THE INSTALLED ENVIRONMENT. SEAL RACEWAY AND BOX FROM WATER AND MOISTURE AT TRANSITION BETWEEN DIFFERENT ENVIRONMENTAL CONDITIONS SUCH AS INTERIOR/EXTERIOR, TEMPERATURE CHANGES, ETC.

TECHNOLOGY DEMOLITION NOTES

1. THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
2. ITEMS (i.e. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN. (i.e., FOR MAINTENANCE PURPOSES).
3. EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED PRIOR TO REMOVAL, PROTECTED FROM DAMAGE, AND RE-INSTALLED IN ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
4. OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
5. ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.
6. COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
7. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
8. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
9. DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
10. DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE/RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.
11. REFER TO SPECIFICATIONS SECTION 27 05 00 FOR ADDITIONAL INFORMATION.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TECHNOLOGY COVERSHEET

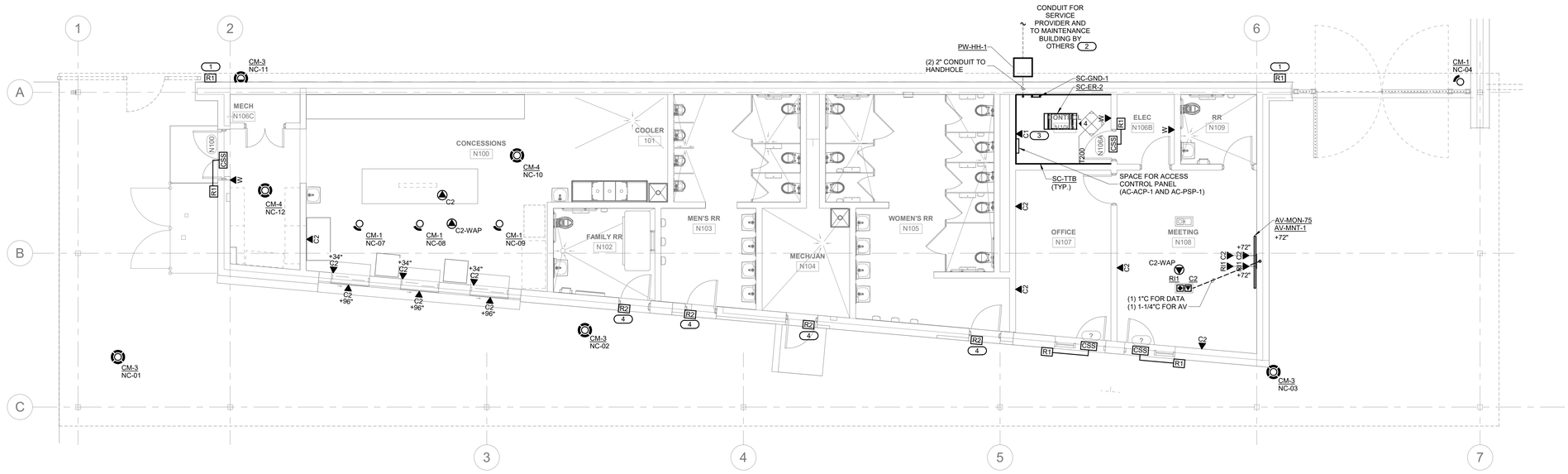
T000

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 11:17:38 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



1 NORTH CONCESSIONS & OFFICE COMBINED PLAN - TECHNOLOGY

3/16" = 1'-0"

SHEET NOTES:

1. ALL LOW VOLTAGE DEVICES SHALL BE SERVED FROM THE SC-ER-1 RACK LOCATION SHOWN WITHIN EACH STRUCTURE.
2. REFER TO T000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.
3. REFER TO T300 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTE: (#)

1. ROUGH-IN FOR FUTURE READER LOCATION. PROVIDE A 4"BACKBOX WITH 1-GANG OPENING AND A 1"CONDUIT FROM THE BACKBOX TO THE ACCESS CONTROL PANEL LOCATION SERVING THE SPACE. INSTALL AN ADDITIONAL 4"SQUARE BOX IN THE SECURED SIDE OF THE WALL TO PROVDE THE ABILITY TO TIE ADDITIONAL CONDUIT FOR A POWER SUPPLY AND ELECTRICIFED LOCKSET AT A LATER DATE. COORDINATE FINAL MOUNTING LOCATION WITH THE A/E PRIOR TO ROUGH-IN.
2. THE E.C. SHALL INCLUDE DIGGING AND EXTENDING THE (2) EXISTING 2"CONDUIT TO THE HANDHOLE INSTALLED AS PART OF THE SITE PROJECT. ASSUME A DISTANCE OF 20' FROM WHERE THE CONDUITS ARE CAPPED.
3. DATA PROVIDED FOR ACCESS CONTROL PANEL.
4. COORDINATE NOUNTING REQUIREMENTS WITH DOOR VENDOR.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE. Built Smarter. www.imegcorp.com

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

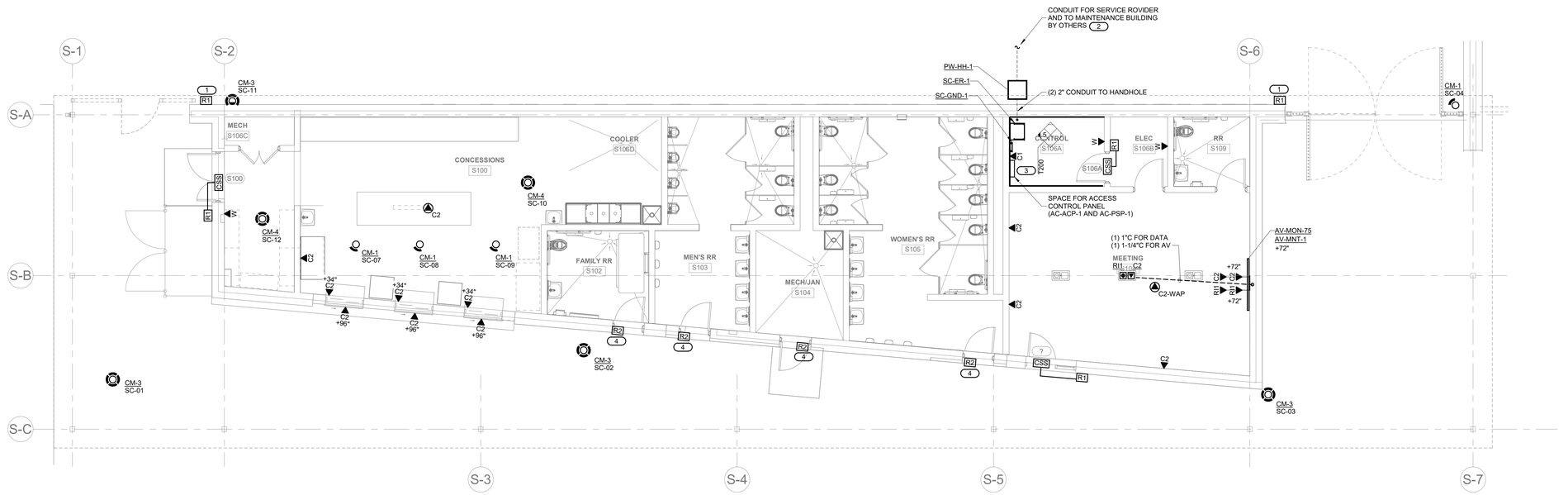
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

NORTH CONCESSIONS BUILDING PLANS - TECHNOLOGY

T100N

4/25/2023 11:17:42 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt



1 SOUTH CONCESSIONS BUILDING PLAN - TECHNOLOGY

3/16" = 1'-0"

SHEET NOTES:

1. ALL LOW VOLTAGE DEVICES SHALL BE SERVED FROM THE SC-ER-1 RACK LOCATION SHOWN WITHIN EACH STRUCTURE.
2. REFER TO T000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.
3. REFER TO T300 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTE: (#)

1. ROUGH-IN FOR FUTURE READER LOCATION. PROVIDE A 4"BACKBOX WITH 1-GANG OPENING AND A 1"CONDUIT FROM THE BACKBOX TO THE ACCESS CONTROL PANEL LOCATION SERVING THE SPACE. INSTALL AN ADDITIONAL 4"SQUARE BOX IN THE SECURED SIDE OF THE WALL TO PROVDE THE ABILITY TO TIE ADDITIONAL CONDUIT FOR A POWER SUPPLY AND ELECTRICIFED LOCKSET AT A LATER DATE. COORDINATE FINAL MOUNTING LOCATION WITH THE A/E PRIOR TO ROUGH-IN.
2. THE E.C. SHALL INCLUDE DIGGING AND EXTENDING THE (2) EXISTING 2"CONDUIT TO THE HANDHOLE INSTALLED AS PART OF THE SITE PROJECT. ASSUME A DISTANCE OF 20' FROM WHERE THE CONDUITS ARE CAPPED.
3. DATA PROVIDED FOR ACCESS CONTROL PANEL.
4. COORDINATE MOUNTING REQUIREMENTS WITH DOOR VENDOR.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG www.imegcorp.com The FUTURE. Built Smarter

IMEG 2882 106TH STREET DES MOINES, IA 50322 P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

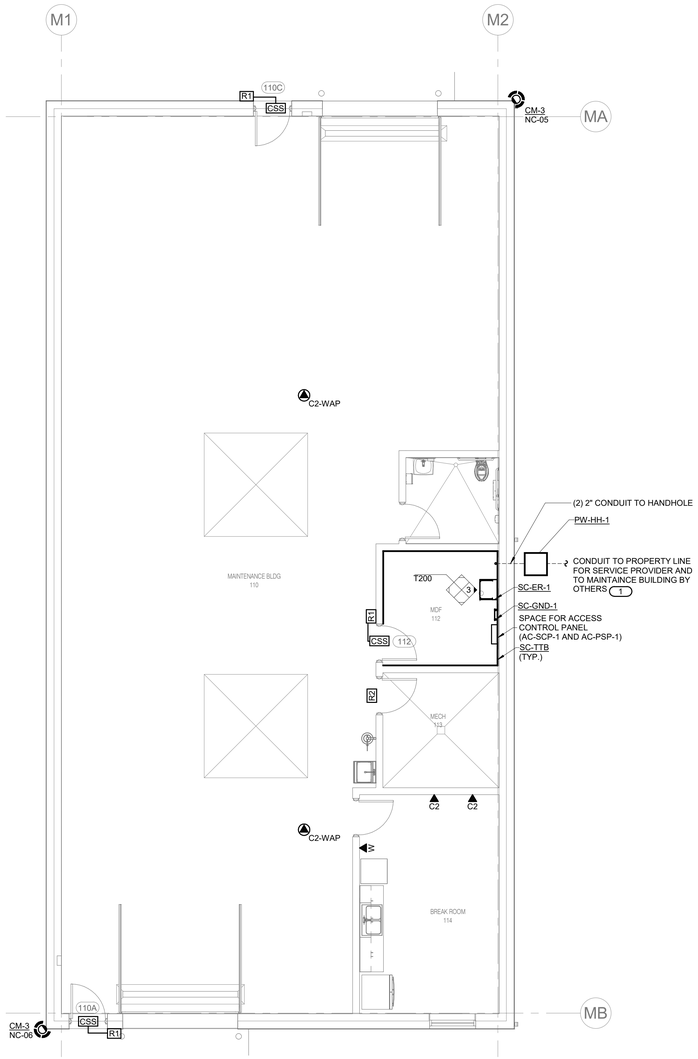
THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

SOUTH CONCESSIONS BUILDING PLANS - TECHNOLOGY

T100S

4/25/2023 11:17:44 AM
Autodesk Docs://22038 GrimesplexMEP22_23000288.00_22038 Grimesplex_C.rvt



1 MAINTENANCE BUILDING PLAN - TECHNOLOGY

3/16" = 1'-0"

SHEET NOTES:

1. ALL LOW VOLTAGE DEVICES SHALL BE SERVED FROM THE SC-ER-1 RACK LOCATION SHOWN WITHIN EACH STRUCTURE.
2. REFER TO T000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.
3. REFER TO T300 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
4. PROVIDE SIX (6) ELECTRONIC PADLOCK (SALTO NEOXX -G4) AS PART OF THE ACCESS CONTROL SYSTEM. COORDINATE WITH THE CITY OF GRIMES IS FOR PROGRAMMING REQUIRED.

KEYNOTE: (#)

1. THE E.C. SHALL INCLUDE DIGGING AND EXTENDING THE (2) EXISTING 2"CONDUIT TO THE HANDHOLE INSTALLED AS PART OF THE SITE PROJECT. ASSUME A DISTANCE OF 20' FROM WHERE THE CONDUITS ARE CAPPED.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE. Built Smarter. www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

MAINTENANCE BUILDING PLANS - TECHNOLOGY

T101

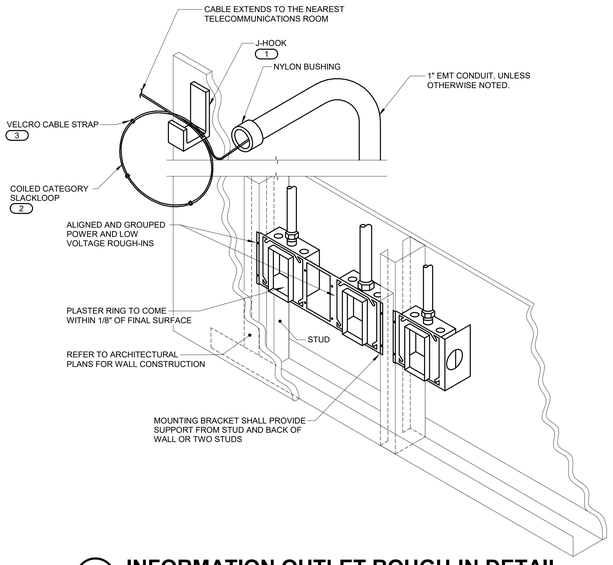
IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9908 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 11:17:45 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288_22038 Grimesplex_C.rvt



1 INFORMATION OUTLET ROUGH-IN DETAIL

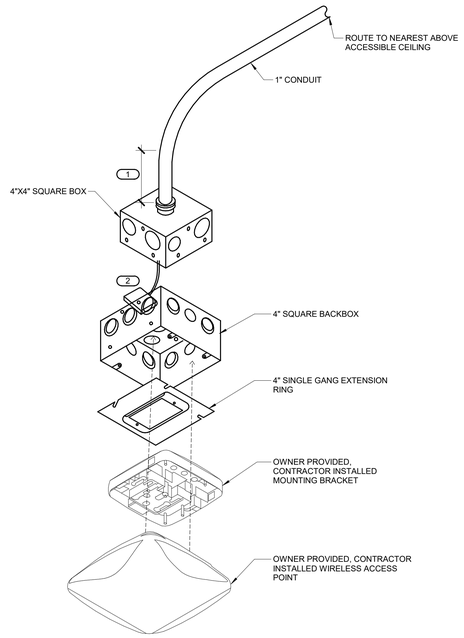
NO SCALE

NOTES:

1. THE INTENT OF THE DETAIL IS TO ALIGN AND GROUP DEVICE ROUGH-INS FOR POWER AND LOW VOLTAGE TECHNOLOGY SYSTEMS. SOLIDLY MOUNTED AND THE SURFACE OF THE TRIM IS EITHER FLUSH WITH THE WALL SURFACE OR WITHIN 1/8" OF THE WALL SURFACE. JUNCTION BOXES LARGER THAN 4" SQUARE SHALL BE MOUNTED IN A MANNER THAT IS SIMILAR TO THE SYSTEM NOTED ABOVE OR ACHIEVES THE SAME RESULTS.
2. PLASTER RINGS DEPTH SHALL BE 1/8" DEEPER THAN THE GYP BOARD APPLIED TO THE WALL. PLASTER RING SHALL BE 3/4" FOR USE WITH 5/8" GYP BOARD.
3. METAL STUD-TO-STUD MOUNTING BRACKETS FOR MULTIPLE BOXES BETWEEN STUD. ERICO CADDY RBS## SERIES, EATON B-LINE BB SERIES, OR EQUAL.
4. MOUNTING SUPPORT BRACKETS SIZES FOR SINGLE BOXES IN A STUD CAVITY SHALL MATCH THE STUD DEPTH. ERICO CADDY H## SERIES, EATON B-LINE BB## SERIES, OR EQUAL.
5. WHERE RECEPTACLE AND TECHNOLOGY DEVICES ARE SHOWN SERVING A COMMON COMPUTER OR EQUIPMENT, OR SHOWN IN SIMILAR LOCATIONS ON THE DRAWINGS THE DEVICES SHALL BE INSTALLED IN THE SAME STUD CAVITY WITH MOUNTING BRACKETS OR ALIGNED ON OPPOSITE SIDES OF A COMMON STUD WITH SEPARATE SUPPORT.
6. TERMINATE CONDUIT STUB ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE. CONDUIT RUN SHALL NOT CONTAIN MORE THAN 180 DEGREES OF BEND BETWEEN ACCESSIBLE JUNCTION BOXES OR BETWEEN JUNCTION BOX AND END OF CONDUIT.
7. WHERE CONDUIT STUB IS LOCATED IN A ROOM WITH AN ACCESSIBLE CEILING AND IS NOT REQUIRED TO RUN TO CABLE ROUTE LOCATED OUTSIDE THE ROOM, STUB MUST TERMINATE ABOVE THE ACCESSIBLE CEILING WITH A 90-DEGREE BEND AT THE TOP ORIENTED IN TO THE ROOM AT THE HEIGHT OF THE ASSOCIATED CABLE TRAY OR J-HOOK ROUTE IN THE ROOM.
8. ALL STUBS MUST BE FITTED WITH A NYLON BUSHING ON EACH END OF THE CONDUIT.
9. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR TECHNOLOGY ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

KEYNOTES: (#)

1. MOUNT A DEDICATED J-HOOK TO THE NEAREST CEILING SUBSTRUCTURE, COLUMN, JOIST, OR WALL ABOVE THE CEILING AS SHOWN ON THE DRAWINGS. PROVIDE THE PROPER SUPPORT WHEN HANGING FROM THE CEILING SUBSTRUCTURE OR COLUMN WALL OR JOIST. REFER TO SPECIFICATION SECTION 27 05 28 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO SECTION 27 15 00 FOR SLACKLOOP LENGTH. MAINTAIN THE MANUFACTURERS BEND RADIUS FOR SLACKLOOP SIZE.
3. PROVIDE AND INSTALL A VELCRO CABLE STRAP ON THE SLACKLOOP APPROXIMATELY EVERY 6" ALONG THE SLACKLOOP. FOR SLACKLOOPS GREATER THAN 3' A MINIMUM OF (4) STRAPS WILL BE INSTALLED.



2 WIRELESS ACCESS POINT ROUGH-IN/MOUNTING DETAIL

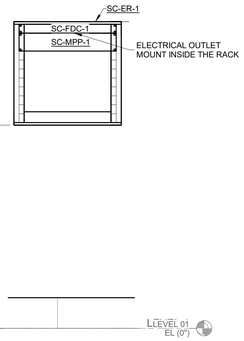
NO SCALE

NOTES:

1. INDEPENDENTLY SUPPORT ROUGH-IN FROM STRUCTURE.

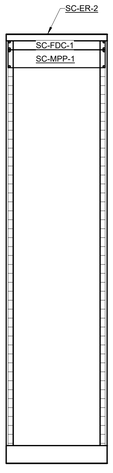
KEYNOTES: (#)

1. STUB VERTICAL CONDUIT 10" MINIMUM FROM HORIZONTAL CONDUIT. COORDINATE STUB LENGTH WITH OWNER PRIOR TO ROUGH-IN. STUB VERTICAL CONDUIT TO A HEIGHT IN WHICH WIRELESS ACCESS POINT IS MOUNTED JUST BELOW STRUCTURE/FINISHED HANGING CEILING.
2. 1-PORT SURFACE MOUNTED BOX. SUPPORT FROM J-HOOK. REFER TO THE INFORMATION OUTLET SCHEDULE AND TECHNOLOGY EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.



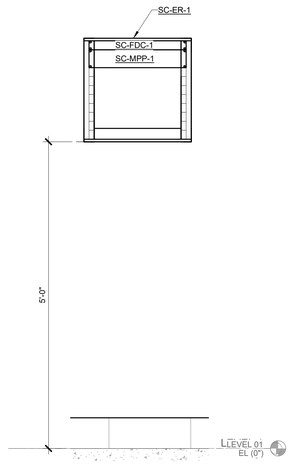
3 EQUIPMENT RACK ELEVATION

1" = 1'-0"



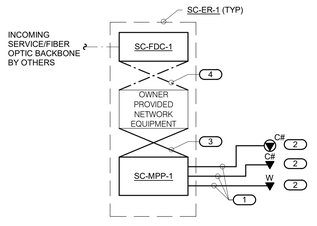
4 EQUIPMENT RACK ELEVATION - NORTH CONCESSION

1" = 1'-0"



5 EQUIPMENT RACK ELEVATION - SOUTH CONCESSION

1" = 1'-0"



6 CONNECTIVITY RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO T300 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: (#)

1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE, SEE SPECIFICATIONS.
2. REFER TO INFORMATION OUTLET SCHEDULE ON T300 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
3. RJ-45 TO RJ-45 CATEGORY CAT 6 UTP PATCH CORD. SEE SPECIFICATIONS.
4. FIBER PATCH CORD. SEE SPECIFICATIONS.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG
The FUTURE. Built Smarter
www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS, WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TECHNOLOGY DETAILS

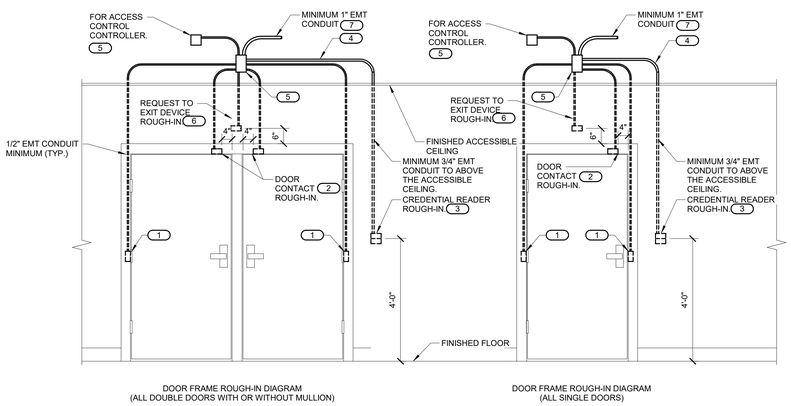
T200

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 11:17:48 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt



DOOR FRAME ROUGH-IN DIAGRAM
(ALL DOUBLE DOORS WITH OR WITHOUT MULLION)

DOOR FRAME ROUGH-IN DIAGRAM
(ALL SINGLE DOORS)

1 CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL

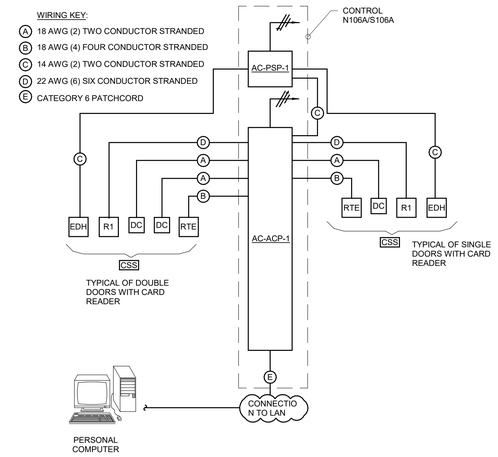
NO SCALE

NOTES:

1. CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS FOR COMPLETE INFORMATION. MIRROR THE DETAIL AS REQUIRED.
2. ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
3. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT.
4. THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION. MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
5. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6. REFER TO THE CONTROLLED SECURITY SCHEME WIRING DIAGRAM ON 2/T201 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME SCHEDULE ON T201 FOR ADDITIONAL INFORMATION.
7. INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE RESPONSIBILITY FOR ADDITIONAL INFORMATION.

KEYNOTES: (#)

1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
2. ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH.
3. DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.
4. CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING. PROVIDE A NYLON BUSHING ON CONDUIT END.
5. MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.
6. PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON T201 FOR DOORS THAT REQUIRE THIS ROUGH-IN.
7. CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING. PROVIDE A NYLON BUSHING ON CONDUIT END.



2 CONTROLLED SECURITY SCHEME WIRING DIAGRAM

NO SCALE

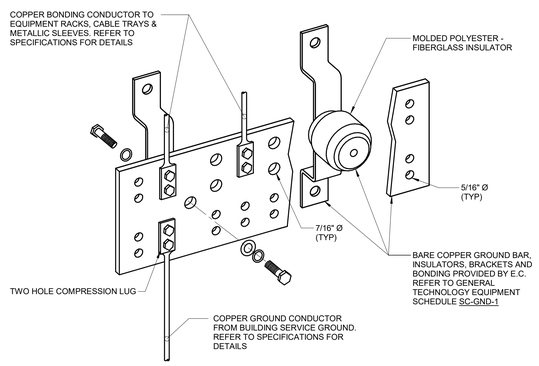
NOTES:

1. THIS RISER IS DIAGRAMMATIC AND NOT INTENDED TO SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE.
2. ALL CABLING SHALL BE PLENUM RATED.
3. REFER TO 1/T201 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL.
4. REFER TO T300 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE

1. ELECTRONIC DOOR HARDWARE SUCH AS ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ETC. SHALL BE PROVIDED AND INSTALLED BY OTHERS.
2. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR CREDENTIAL READER TYPE INFORMATION.

	CREDENTIAL READER			INTEGRATION										REQUEST TO EXIT	DOOR HARDWARE / MONITORING									OTHER (REFER TO NOTES)			
DOOR #	ROUGH-IN ONLY	CREDENTIAL READER TYPE	MULTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR	OPERATES MULTIPLE DOORS	AUTOMATIC DOOR OPERATOR	ELEVATOR	LOCKED BY EMERGENCY DURESS SEQUENCE	INFANT PROTECTION	REMOTE UNLOCK VIA INTERCOM MASTER	REMOTE UNLOCK VIA PUSHBUTTON	INTRUSION DETECTION	REMOTE UNLOCK VIA FIRE COMMAND CENTER	VIDEO SURVEILLANCE	WANDER PREVENTION SYSTEM	MOTION DETECTOR	LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE	INTERNAL ELECTRIFIED HARDWARE CONNECTION (BY OTHERS)	ELECTRONIC LOCKING HARDWARE (BY OTHERS)	MAG LOCK	LATCH STATUS DETECTION (BY OTHERS)	LOCAL ALARM HORN	MONITOR LATCH BOLT (BY OTHERS)	MONITOR DOOR POSITION SWITCH SPDT	MONITOR DOOR POSITION SWITCH DPDT	MONITOR DOOR POSITION SWITCH - OVERHEAD DOOR	MONITOR DOOR POSITION SWITCH - ROOF HATCH	DELAYED EGRESS (BY OTHERS)	LOCAL 120VAC POWER SUPPLY	SCHEDULE BASED LOCKING	VISUAL STROBE/AUDIBLE ALARM	NOTES
110A		R1															•	•					•							
110C		R1															•	•					•							
112		R1															•	•					•							
N100		R1															•	•					•							
N106A		R1															•	•					•							
N107A		R1															•	•					•							
N108		R1															•	•					•							
S100		R1															•	•					•							
S106A		R1															•	•					•							
S108		R1															•	•					•							

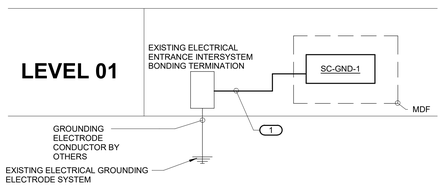


3 BONDING BUS BAR DETAIL

NO SCALE

NOTES:

1. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE SC-GND-1 FOR WIDTH REQUIREMENTS.
2. REFER TO 5/T201 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.



4 TECHNOLOGY BONDING RISER DIAGRAM

NO SCALE

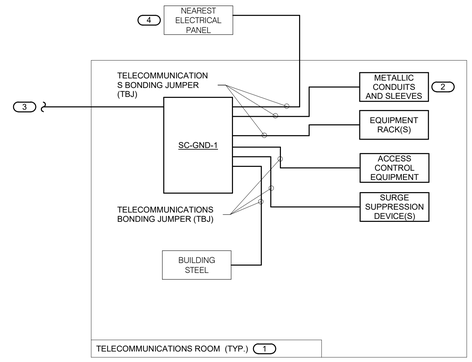
NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG [] PLENUM RATED COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
4. REFER TO 5/T201 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.
5. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.

KEYNOTES: (#)

1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.

BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0



5 TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM

NO SCALE

NOTES:

1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG [PLENUM RATED] COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
4. REFER TO 1/T201 FOR BONDING BUS BAR DETAIL AND ADDITIONAL INFORMATION AND REQUIREMENTS FOR SC-GND-1.

KEYNOTES: (#)

1. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T000 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
2. INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
3. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT), TO EXISTING ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION. REFER TO 4/T201 FOR TELECOMMUNICATIONS BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS.
4. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATION.

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Smarter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TECHNOLOGY DETAILS

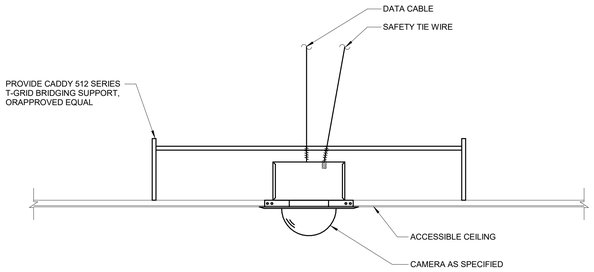
T201

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND DATA ARE NOT TO BE USED, THE PROPERTY OF IMEG CORP., AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES
PROJECT #23000288.00

4/25/2023 11:17:51 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

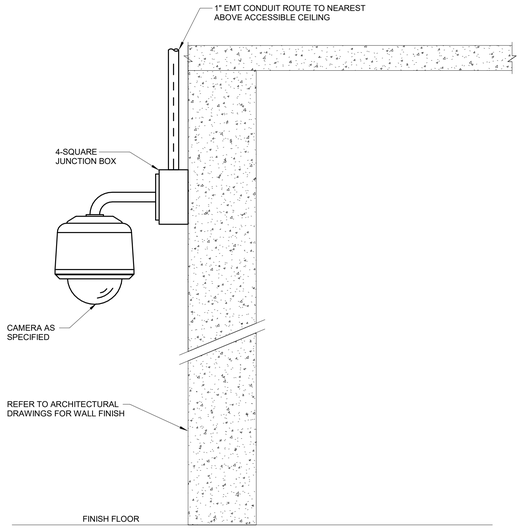


1 ACCESSIBLE CEILING CAMERA MOUNT AND ROUGH-IN DETAIL

NO SCALE

NOTES:

1. COORDINATE EXACT LOCATION ON SITE WITH WORK BY OTHER TRADES TO ENSURE DESIRED VIEWING AREA AND SERVICE ACCESS AFTER COMPLETION OF PROJECT AND TO MINIMIZE ANY POSSIBLE DAMAGE TO INSTALLED CAMERA OR ASSOCIATED CABLING.
2. PROVIDE CAMERA MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION FROM THE SAME MANUFACTURER OF THE CAMERA AND APPROVED BY THE MANUFACTURER FOR USE WITH THE SPECIFIC MODEL NUMBER OF CAMERA INSTALLED.

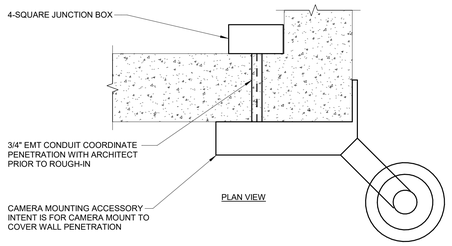


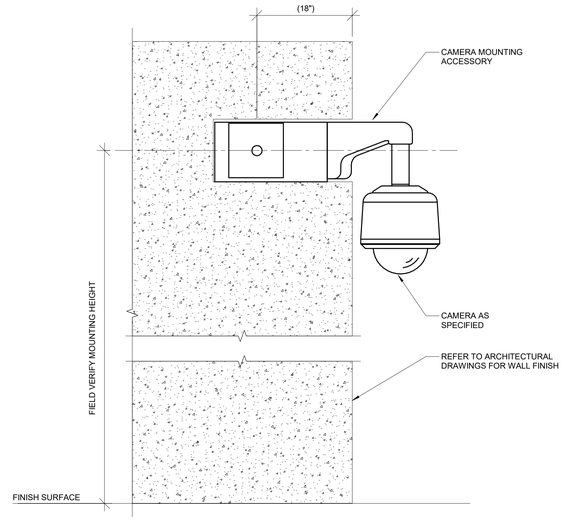
2 WALL SURFACE PENDANT CAMERA MOUNT AND ROUGH-IN DETAIL

NO SCALE

NOTES:

1. COORDINATE EXACT LOCATION ON SITE WITH WORK BY OTHER TRADES TO ENSURE DESIRED VIEWING AREA AND SERVICE ACCESS AFTER COMPLETION OF PROJECT AND TO MINIMIZE ANY POSSIBLE DAMAGE TO INSTALLED CAMERA OR ASSOCIATED CABLING.
2. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR CAMERA ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.
3. PROVIDE CAMERA MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION FROM THE SAME MANUFACTURER OF THE CAMERA AND APPROVED BY THE MANUFACTURER FOR USE WITH THE SPECIFIC MODEL NUMBER OF CAMERA INSTALLED.
4. SEAL WALL MOUNT BASE PLATE TO JUNCTION BOX TO PREVENT WATER INFILTRATION.





3 CORNER CAMERA MOUNT AND ROUGH-IN DETAIL

NO SCALE

NOTES:

1. COORDINATE EXACT LOCATION ON SITE WITH WORK BY OTHER TRADES TO ENSURE DESIRED VIEWING AREA AND SERVICE ACCESS AFTER COMPLETION OF PROJECT AND TO MINIMIZE ANY POSSIBLE DAMAGE TO INSTALLED CAMERA OR ASSOCIATED CABLING.
2. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR CAMERA ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.
3. PROVIDE CAMERA MOUNTING ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION FROM THE SAME MANUFACTURER OF THE CAMERA AND APPROVED BY THE MANUFACTURER FOR USE WITH THE SPECIFIC MODEL NUMBER OF CAMERA INSTALLED.
4. SEAL WALL MOUNT BASE PLATE TO FACADE TO PREVENT WATER INFILTRATION.

INDIVIDUAL CAMERA REQUIREMENTS SCHEDULE

CAMERA #	CAMERA TYPE	CAMERA ENVIRONMENT	TELECOM ROOM #	LOCATION	FIELD OF VIEW DESCRIPTION	MOUNTING TYPE	DETAIL REFERENCE	FRAME RATE	PERCENT MOTION	ADDITIONAL INFORMATION	NOTES
NC-01	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
NC-02	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
NC-03	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
NC-04	CM-1	EXTERIOR	CONTROL 106A	EXTERIOR	GENERAL VIEW OF ENTRANCE	ACCESSIBLE CEILING	1/T202	12	80		
NC-05	CM-3	EXTERIOR	MDF	EXTERIOR	EXTERIOR VIEW	CORNER	3/T202	12	80		
NC-06	CM-3	EXTERIOR	MDF	EXTERIOR	EXTERIOR VIEW	CORNER	3/T202	12	80		
NC-07	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
NC-08	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
NC-09	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
NC-10	CM-4	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
NC-11	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	WALL	2/T202	12	80		
NC-12	CM-4	INTERIOR	CONTROL 106A	INTERIOR	ENTRANCE	ACCESSIBLE CEILING	1/T202	12	80		
SC-01	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
SC-02	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
SC-03	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	ACCESSIBLE CEILING	1/T202	12	80		
SC-04	CM-1	EXTERIOR	CONTROL 106A	EXTERIOR	GENERAL VIEW OF ENTRANCE	ACCESSIBLE CEILING	1/T202	12	80		
SC-07	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
SC-08	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
SC-09	CM-1	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
SC-10	CM-4	INTERIOR	CONTROL 106A	INTERIOR	CONCESSIONS	ACCESSIBLE CEILING	1/T202	12	80		
SC-11	CM-3	EXTERIOR	CONTROL 106A	EXTERIOR	EXTERIOR VIEW	WALL	2/T202	12	80		
SC-12	CM-4	INTERIOR	CONTROL 106A	INTERIOR	ENTRANCE	ACCESSIBLE CEILING	1/T202	12	80		

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990
IMEG The FUTURE Built Brighter www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TECHNOLOGY DETAILS
T202

IMEG
2882 106TH STREET
DES MOINES, IA 50322
P: 515.334.9906 F: 515.334.9908
www.imegcorp.com

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 11:17:52 AM
Autodesk Docs://22038 Grimesplex/MEP22_23000288.00_22038 Grimesplex_C.rvt

TECHNOLOGY EQUIPMENT SCHEDULE

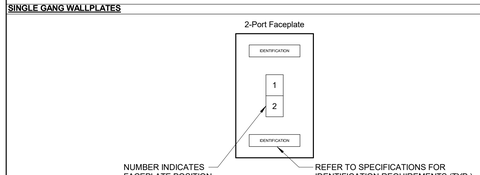
THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

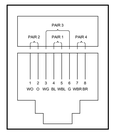
CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
AC-ACP-1	ACCESS CONTROL INTELLIGENT CONTROL PANEL AND INPUT MODULE.	SALTO CU4000 NO SUBSTITUTIONS
AC-DC	DOOR CONTACT SWITCH. INTEGRAL PART OF ACCESS CONTROL SYSTEM, 1" DIAMETER, MAGNETIC, STANDARD GAP, RECESSED IN DOOR FRAME. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR AND DOOR SUPPLIER. REFER TO SPECIFICATION SECTION 17830.	GE SECURITY 1076W OR PRE-APPROVED EQUAL
AC-EDH	ELECTRIC LOCKING HARDWARE, FURNISHED AND INSTALLED BY DOOR HARDWARE PROVIDER, CONTROLLED BY THE SECURITY SYSTEM. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO 3/T201 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	*
AC-PSP-1	ACCESS CONTROL LOW VOLTAGE DOOR POWER SUPPLY, 8 PTC PROTECTED OUTPUTS, 24 VDC @ 8 AMP TOTAL OUTPUT. BUILT-IN CHARGER FOR LEAD ACID OR GEL TYPE BATTERIES. PROVIDE WITH (2) 12AH BATTERIES. AC FAIL SUPERVISION AND LOW BATTERY SUPERVISION FORM C CONTACT CLOSURES. UL 294 AND 1481 LISTED FOR ACCESS CONTROL AND FIRE SIGNALING.	ALTRONIX AL1024ULXPD8 OR PRE-APPROVED EQUAL
AC-R1-W	CREDENTIAL READER, PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM, REFER TO ACCESS CONTROL SYSTEM DOOR SCHEDULE FOR COMPLETE INFORMATION, CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION, REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE INFORMATION. REFER TO 3/T201 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	SALTO DESIGN XS NO SUBSTITUTIONS
AC-R2-W	WIRELESS READER AND LOCKSET, PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM.	SALTO XS4 MINI NO SUBSTITUTIONS
AC-RTE	PIR REQUEST TO EXIT MOTION DETECTOR, DOOR MONITOR WITH SOUNDER ALERT, ADJUSTABLE LATCH TIME, SELECTABLE FAIL SAFE/SECURE, ACTIVATION LED, 12 VDC OPERATION, SEQUENTIAL LOGIC INPUT, TWO FORM C CONTACTS. PROVIDE WITH TRIM PLATE (TP 160) CEILING MOUNTED OR WALL MOUNTED AT 84" AFF. REFER TO 3/T201 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	BOSCH DS 160 NO SUBSTITUTION
AV-MNT-1	WALL MOUNT FOR 32-80" DISPLAYS, BUILT IN PIVOT UP TO 90° (45° IN EACH DIRECTION) ALLOWS FOR ADJUSTABLE VIEWING ANGLES	PEERLESS SP850-UNLP-GB OR PRE-APPROVED EQUAL
AV-MON-75	75" LED MONITOR. PROVIDE WITH ALL REQUIRED ACCESSORIES.	SAMSUNG BE75TH OR PRE-APPROVED EQUAL
AV-RI-F	TECHNOLOGY ROUGH-IN, FLOOR. ROUGH-IN IN E.C. PROVIDED FLOOR BOX. COORDINATE ADDITIONAL MOUNTING REQUIREMENTS WITH E.C. PROVIDE (1) 1-1/4" EMT CONDUIT TO THE NEAREST ACCESSIBLE CEILING UNLESS NOTED OTHERWISE	*
PW-HH-1	HANDHOLE COMPOSITE POLYMER CONCRETE BODY AND COVER. STAINLESS STEEL HARDWARE BOLTED NON-SKID COVER RATED FOR 15,000LB. DESIGN LOAD OCCASIONAL NON-DELIBERATE VEHICULAR TRAFFIC. STACK UNITS TO ACIEVE DEPTH SHOWN ON PLANS. UNITS IN LANDSCAPED AREAS SHALL BE GREEN IN COLOR. "COMMUNICATIONS" LOGO ON HANHOLE COVER. CONTRACTOR SHALL FIELD VERIFY QUANTITY AND LOCATIONS. PW-HH-1 = 24"WX24"L.	HUBBELL/QUAZITE PG2424BB24 PG2424HA00 CARSON INDUSTRIES ARMORCAST HIGHLINE PRODUCTS SYNERTECH
SC-ER-1	WALL MOUNTED SWING GATE RACK. 30" H X 19.76" W X 18" D. 12-24 THREADED RAILS, EXTRA LARGE CABLE OPENINGS AT TOP AND BOTTOM. BLACK TEXTURED POWDER COAT FINISH. (12) RU MOUNTING SPACE AVAILABLE.	PANDUIT CMR19X84 NO SUBSTITUTION
SC-ER-2	4 POST EQUIPMENT RACK, 84"H x 20.3"W, x 23"D, STANDARD 19" MOUNTING SPACE, DURABLE BLACK POWDER COAT FINISH, MEETS EIA-310-E REQUIREMENTS. 2000 lbs STATIC LOAD RATING.	PANDUIT ER4P23 NO SUBSTITUTIONS
SC-FDC-1	OPTICAL FIBER DISTRIBUTION CABINET. 12 FIBER MINIMUM CAPACITY, FRONT LOCKING DOOR, SLIDE OUT RAILS TO FACILITATE FRONT ACCESS, JUMPER TROUGHS IN CONNECTOR PANELS TO REDUCE MOUNTING SPACE. REQUIRES (3) 1.75" RACK MOUNTING SPACES. PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANEL(S), LC CONNECTOR COUPLINGS, JUMPERS, AND REAR MOUNTED CLOSET HOUSING PANEL(S). REFER TO SPECIFICATIONS SECTION 27 13 00 FOR ADDITIONAL INFORMATION.	PANDUIT FRME2 NO SUBSTITUTIONS
SC-GND-1	WALL MOUNT GROUND BAR. 4"H X 12"L X 1/4" D COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO MOUNTING BRACKERS. PROVIDE UNIT CONFIGURATED WITH SIXTEEN (16) SETS OF 5/16" HOLES SPACED 5/8" ON CENTER TO ACCOMMODATE "A" SPACED TWO-HOLE COMPRESSION LUGS AND THREE (3) SETS OF 7/16" HOLES SPACED 1" ON CENTER TO ACCOMMODATE "C" SPACED TWO-HOLE COMPRESSION LUGS. ANSI/EIA/TIA-607 AND BICSI COMPLIANT. UL LISTED	CHATSWORTH PRODUCTS 40153-012 OR PRE-APPROVED EQUAL
SC-IO-C	INFORMATION OUTLET , CEILING MOUNT, 1 PORT SURFACE BOX AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO THE NEAREST ACCESSIBLE CEILING.	SURFACE MOUNT BOX: PANDUIT CBX1 SERIES COVERPLATE: PANDUIT NK2FIWY JACK: CAT6 CJ688TGXX NO SUBSTITUTIONS
SC-IO-F	INFORMATION OUTLET, FLOOR MOUNT, 2-PORT COVERPLATE AS INDICATED ON DRAWINGS, " # " INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION. INSTALL INFORMATION OUTLET IN E.C. PROVIDED FLOOR BOX. COORDINATE ADDITIONAL MOUNTING REQUIREMENTS WITH E.C. PROVIDE (1) 1" EMT CONDUIT TO THE NEAREST ACCESSIBLE CEILING. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS.	PANDUIT COVERPLATE: CFPL4EIY JACK: CAT6 CJ6X88TGXX NO SUBSTITUTION
SC-IO-W	INFORMATION OUTLET, WALL MOUNT, 2 PORT COVERPLATE AS INDICATED ON DRAWINGS. "#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS (HUBBELL SFB10A OR APPROVED EQUAL).	FACEPLATE: PANDUIT NK2FIWY NK4FIWY JACK: PANDUIT CAT 6 NK688MBL NO SUBSTITUTIONS
SC-MPP-1	48 PORT PATCH PANEL, RACK MOUNT, RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK, PORT IDENTIFICATION NUMBERS, COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.	PANDUIT CPP48FMWBLY NO SUBSTITUTIONS
SC-RI-W	INFORMATION OUTLET ROUGH-IN, WALL MOUNT. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1-1/4" EMT CONDUIT TO A NEAREST ACCESSIBLE CEILING.	*
SC-TTB	TELECOMMUNICATIONS TERMINAL BOARD, 4' X 8' X 3/4" A-C GRADE FIRE-RATED PLYWOOD. EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 8'6" A.F.F.	*
SC-WP-W	INFORMATION OUTLET, WALL PHONE. PROVIDE (1) RJ-45 JACK FOR VOICE AT +48" AFF FOR WALL HUNG PHONE. PROVIDE WITH STAINLESS STEEL FACEPLATE, MATING LUGS. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO NEAREST CORRIDOR CEILING.	COVERPLATE: PANDUIT KWPY JACK: CAT 6 CJ688TGXX SERIES NO SUBSTITUTIONS
VS-CM-1	2MP DOME CAMERA. REFER TO SPECIFICATION 28 23 00 FOR ADDITIONAL INFORMATION. INFORMATION OUTLET FOR CAMERA SHALL BE FURNISHED AND INSTALLED BY DIV 27. CABLING SHALL BE TERMINATED IN AN. RJ-45 JACK AND INSTALLED IN A 1-PORT SURFACE MOUNT BOX.	CAMERA: AVIGILON 3.0C-H4A-D1-IR(-B) SURFACE MOUNT BOX: PANDUIT CBX1 SERIES JACK: CAT6 CJ688TGXX NO SUBSTITUTIONS
VS-CM-3	15 MP MULTIDIRECTIONAL CAMERA WITH IR FOR 360° COVERAGE. REFER TO SPECIFICATION 28 23 00 FOR ADDITIONAL INFORMATION. INFORMATION OUTLET FOR CAMERA SHALL BE FURNISHED AND INSTALLED BY DIV 27. CABLING SHALL BE TERMINATED IN AN RJ-45 JACK AND INSTALLED IN A 1-PORT SURFACE MOUNT BOX.	CAMERA: AVIGILON 15C-H4A-3MH-360 SURFACE MOUNT BOX: PANDUIT CBX1 SERIES JACK: CAT6 CJ688TGXX NO SUBSTITUTIONS
VS-CM-4	15 MP MULTIDIRECTIONAL CAMERA WITH IR FOR 360° COVERAGE. REFER TO SPECIFICATION 28 23 00 FOR ADDITIONAL INFORMATION. INFORMATION OUTLET FOR CAMERA SHALL BE FURNISHED AND INSTALLED BY DIV 27. CABLING SHALL BE TERMINATED IN AN RJ-45 JACK AND INSTALLED IN A 1-PORT SURFACE MOUNT BOX.	CAMERA: AVIGILON 12.0-H4F-DO1-IR SURFACE MOUNT BOX: PANDUIT CBX1 SERIES JACK: CAT6 CJ688TGXX NO SUBSTITUTIONS

INFORMATION OUTLET SCHEDULE

SINGLE GANG WALLPLATES





ANSI/TIA/EIA T568B
PIN/PAIR ASSIGNMENT

NOTES:
1. PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS.
2. REFER TO SPECIFICATIONS SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS.

SCHEDULE NOTES:
1. LOCATION OF FUTURE OR OWNER PROVIDED WIRELESS ACCESS POINT. PROVIDE A 20' SLACK COIL AT THE NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION AFTER WIRELESS SURVEY.

LEGEND

DATA	CAT 6 RJ-45
BLANK	BLANK FILLER MODULE

CONFIGURATION	FACEPLATE PORTS	FACEPLATE PORT IDENTIFICATION: POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	NOTES
C1	1	DATA						
C2	2	DATA	DATA					
C2-WAP	2	DATA	DATA					1.
W	1	VOICE						

SVPA ARCHITECTS
1466 28th Street, Suite 200 | West Des Moines, Iowa 50266 | 515.327.5990

IMEG
The FUTURE Built Smarter
www.imegcorp.com

GRIMESPLEX

7054 NW 114th St
GRIMES, IOWA 50111

ISSUANCE

CONSTRUCTION DOCUMENTS
04/25/2023

REVISIONS

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT, THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS INC. REPRODUCTION IS PROHIBITED.
© 2021

PROJECT NUMBER
22038

TECHNOLOGY SCHEDULES

T300

IMEG
www.imegcorp.com
2892 100TH STREET
DES MOINES, IA 50322
P: 515.334.9606 F: 515.334.9908

IMEG CORP. RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG CORP. AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG CORP. ©2023 IMEG CORP.

0 1 2 3
REF. SCALE IN INCHES

PROJECT #23000288.00

4/25/2023 11:17:55 AM
Autodesk Docs://22038 Grimesplex/IMEP22_23000288.00_22038 Grimesplex_C.rvt

EDGE COMMERCIAL

Submittal

Job: S-14117-22
GRIMESPLEX
1000 NE Heritage Dr.
Grimes, IA 50111

Spec Section No: 265000
Submittal No: 01
Revision No: 0
Sent Date: 11/14/2022

Spec Section Title:

Submittal Title: 265000-01 Athletic Lighting Shop Drawings & Product Data

Contractor:
Edge Commercial, LLC
Project Manager:
Branson Ropp

Contractor's Stamp

Reviewed by Edge Commercial
Branson Ropp
11-14-22

Architect:
Phone:
Fax:

Architect's Stamp

Engineer:
Phone:
Fax:

Engineer's Stamp

Van Maanen Electric Inc.

500 Iowa Speedway Drive
Newton, IA 50208
Phone: 641-791-9473
Fax: 641-791-9484

LETTER OF TRANSMITTAL

TO: Edge Construction **Date:** 11/11/22

Re: Grimes Plax

WE ARE SENDING YOU:

- ☒ Attached
- ☐ Shop Drawings
- ☐ Copy of Letter
- ☐ Prints
- ☐ Change Order
- ☐ Plans
- ☐ Specifications
- ☐ Samples
- ☐ Other

Document Type	Copy	Description
Submittal	1	Lighting

THESE ARE TRANSMITTED as checked below:

- ☒ For approval
- ☒ For your use
- ☒ As requested
- ☐ For review and comment
- ☐ FOR BIDS DUE
- ☐ Approved as submitted
- ☐ Approved as noted
- ☐ Returned for corrections
- ☐ Other
- ☐ PRINTS RETURNED
- ☐ Resubmit 3 copies for approval
- ☐ Submit ___ copies for distribution
- ☐ Return ___ corrected prints

Remarks:
Please let me know if you have any questions or need anything further at this time.

Thank you,
Becca Decker
bdecker@vanmaanenelectric.com
641-791-9473

Please contact us if enclosures are not as noted.

Project Submittal: **Approval Letter**

November 11, 2022

Josh Hetzler
Van Maanen Electric Inc
500 Iowa Speedwday Drive
Newton, IA 50208

RE: Grimes Sportsplex
Project #209347

Dear Josh Hetzler

This serves as approval for submittals provided by Musco Sports Lighting, LLC. Please review the enclosed documents and note changes where appropriate. Upon your approval, we can begin fabrication of the materials for your project. Any changes may result in delay of production, delivery, and additional costs.

We shall deliver equipment to the job site 10 - 12 weeks, after submittal approval or release of order.

Please indicate your approval of these submittals in their entirety by signing below.

_____ _____
Authorized Signature Date

_____ _____
Printed Name Company Name

Please return one copy of this form to:
Musco Sports Lighting, LLC
2107 Stewart Road
Muscatine, Iowa 52761

Toll Free: 800-756-1205
Fax: 800-374-6402
Email: crissy.shoemaker@musco.com

MUSCO LIGHTING SUBMITTAL FOR PRODUCTION

PREPARED FOR:

Grimes Sportsplex

Lighting Project
Grimes, IA
November 11, 2022

Project #209347

Submitted by:
Musco Sports Lighting, LLC

Attn: Crissy Shoemaker
2107 Stewart Road
Muscatine, Iowa 52761

Toll Free: 800-756-1205
Fax: 800-374-6402

This information Is provided by Musco exclusively For this project. Reproduction or distribution of the enclosed documents or information withough the written permission of Musco Sports Lighting, LLC is prohibited. M-1164-enUS-5

TABLE OF CONTENTS

A. BILL OF MATERIALS

B. LIGHTING DESIGN

C. CONTROLS AND MONITORING

D. STRUCTURAL INFORMATION

E. WARRANTY

F. PRODUCT INFORMATION

A. BILL OF MATERIALS

Project Submittal: Bill of Materials

Equipment Description	
28	Light-Structure System™ Total Light Control™ TLC-LED-900 luminaires
99	Light-Structure System™ Total Light Control™ TLC-LED-1200 luminaires
245	Light-Structure System™ Total Light Control™ TLC-LED-1500 luminaires
114	Light-Structure System™ Total Light Control™ TLC-BT-575 luminaires
25	70 ft galvanized steel poles
8	80 ft galvanized steel poles
13	90 ft galvanized steel poles
46	Pre-cast concrete foundations (9,500 PSI) with integrated grounding
✓	Factory wired and assembled pole top luminaire assemblies
✓	Factory wired electrical component enclosures
✓	Factory built wire harnesses with plug-in connections
Controls	
10	8 24’”x72” & 2 24”x48” Control and monitoring cabinet
✓	High/medium/low dimming
54	30-amp contactors
6	60-amp contactors
61	On-Off-Auto (OOA) switches
Warranty	
✓	Musco’s Constant 25™ product assurance and warranty program that eliminates 100% maintenance costs for 25 years, including labor, materials, monitoring and guaranteed light levels.

B. LIGHTING DESIGN

Grimes Sportsplex

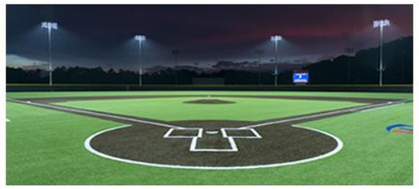
Grimes,IA

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	70'	70'	2	TLC-LED-1200	2.34 kW	J
		70'	1	TLC-LED-900	0.89 kW	J
		16'	1	TLC-BT-575	0.58 kW	J
A2	70'	70'	2	TLC-LED-1200	2.34 kW	L
		70'	1	TLC-LED-900	0.89 kW	L
		16'	1	TLC-BT-575	0.58 kW	L
A3	70'	70'	1	TLC-LED-1200	1.17 kW	A
		70'	2	TLC-LED-900	1.78 kW	A
		16'	1	TLC-BT-575	0.58 kW	A
A4	70'	70'	2	TLC-LED-1200	2.34 kW	C
		70'	1	TLC-LED-900	0.89 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
A5	70'	70'	2	TLC-LED-1200	2.34 kW	D
		70'	1	TLC-LED-900	0.89 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
A6	70'	70'	3	TLC-LED-1200	3.51 kW	F
		70'	1	TLC-LED-1500	1.43 kW	F
		16'	1	TLC-BT-575	0.58 kW	F
A7	70'	70'	2	TLC-LED-1200	2.34 kW	AA
		70'	1	TLC-LED-900	0.89 kW	AA
		16'	1	TLC-BT-575	0.58 kW	AA
A8	70'	70'	3	TLC-LED-1200	3.51 kW	Y
		70'	1	TLC-LED-1500	1.43 kW	Y
		16'	1	TLC-BT-575	0.58 kW	Y
A9	70'	70'	3	TLC-LED-1200	3.51 kW	P
		70'	3	TLC-LED-1200	3.51 kW	AJ
		70'	1	TLC-LED-1500	1.43 kW	P
		70'	1	TLC-LED-1500	1.43 kW	AJ
		16'	1	TLC-BT-575	0.58 kW	P
		70'	1	TLC-LED-1500	1.43 kW	AJ
		16'	1	TLC-BT-575	0.58 kW	P
		16'	1	TLC-BT-575	0.58 kW	AJ
A10	70'	70'	3	TLC-LED-1200	3.51 kW	G
		70'	3	TLC-LED-1200	3.51 kW	O
		70'	1	TLC-LED-1500	1.43 kW	G
		70'	1	TLC-LED-1500	1.43 kW	O
		16'	1	TLC-BT-575	0.58 kW	G
		16'	1	TLC-BT-575	0.58 kW	O
A11	70'	70'	2	TLC-LED-1200	2.34 kW	I
		70'	2	TLC-LED-1200	2.34 kW	M
		70'	1	TLC-LED-900	0.89 kW	I
		70'	1	TLC-LED-900	0.89 kW	M
		16'	1	TLC-BT-575	0.58 kW	I
		16'	1	TLC-BT-575	0.58 kW	M
A12	70'	70'	2	TLC-LED-1200	2.34 kW	X
		70'	1	TLC-LED-900	0.89 kW	X
		16'	1	TLC-BT-575	0.58 kW	X
A13	70'	70'	2	TLC-LED-1200	2.34 kW	V
		70'	1	TLC-LED-900	0.89 kW	V
		16'	1	TLC-BT-575	0.58 kW	V
A14	70'	70'	2	TLC-LED-1200	2.34 kW	U
		70'	2	TLC-LED-1200	2.34 kW	AK
		70'	1	TLC-LED-900	0.89 kW	U
		70'	1	TLC-LED-900	0.89 kW	AK
		16'	1	TLC-BT-575	0.58 kW	U
		16'	1	TLC-BT-575	0.58 kW	AK
A15	70'	70'	2	TLC-LED-1200	2.34 kW	S

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

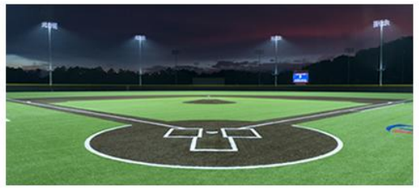
Grimes Sportsplex

Grimes,IA

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
		70'	1	TLC-LED-900	0.89 kW	S
		16'	1	TLC-BT-575	0.58 kW	S
A16	70'	70'	2	TLC-LED-1200	2.34 kW	R
		70'	2	TLC-LED-1200	2.34 kW	AH
		70'	1	TLC-LED-900	0.89 kW	R
		70'	1	TLC-LED-900	0.89 kW	AH
		16'	1	TLC-BT-575	0.58 kW	R
		16'	1	TLC-BT-575	0.58 kW	AH
A17	70'	70'	2	TLC-LED-1200	2.34 kW	AG
		70'	1	TLC-LED-900	0.89 kW	AG
		16'	1	TLC-BT-575	0.58 kW	AG
A18	70'	70'	2	TLC-LED-1200	2.34 kW	AE
		70'	2	TLC-LED-1200	2.34 kW	AT
		70'	1	TLC-LED-900	0.89 kW	AE
		70'	1	TLC-LED-900	0.89 kW	AT
		16'	1	TLC-BT-575	0.58 kW	AE
		16'	1	TLC-BT-575	0.58 kW	AT
A19	70'	70'	2	TLC-LED-1200	2.34 kW	AD
		70'	1	TLC-LED-900	0.89 kW	AD
		16'	1	TLC-BT-575	0.58 kW	AD
A20	70'	70'	2	TLC-LED-1200	2.34 kW	AB
		70'	1	TLC-LED-900	0.89 kW	AB
		16'	1	TLC-BT-575	0.58 kW	AB
A21	80'	80'	5	TLC-LED-1500	7.15 kW	AQ
		16'	3	TLC-BT-575	1.73 kW	AQ
A22	80'	80'	2	TLC-LED-1200	2.34 kW	AR
		80'	4	TLC-LED-1500	5.72 kW	AR
		16'	1	TLC-BT-575	0.58 kW	AR
A23	80'	80'	5	TLC-LED-1500	7.15 kW	AM
		80'	5	TLC-LED-1500	7.15 kW	AZ
		16'	3	TLC-BT-575	1.73 kW	AM
		16'	3	TLC-BT-575	1.73 kW	AZ
A24	70'	70'	6	TLC-LED-1200	7.02 kW	AU
		16'	1	TLC-BT-575	0.58 kW	AU
A25	70'	70'	4	TLC-LED-1200	4.68 kW	AO
		70'	3	TLC-LED-1200	3.51 kW	BB
		70'	1	TLC-LED-1500	1.43 kW	BB
		16'	1	TLC-BT-575	0.58 kW	AO
		16'	2	TLC-BT-575	1.15 kW	BB
A26	80'	80'	2	TLC-LED-1200	2.34 kW	AN
		80'	2	TLC-LED-1200	2.34 kW	AY
		80'	4	TLC-LED-1500	5.72 kW	AN
		80'	4	TLC-LED-1500	5.72 kW	AY
		16'	1	TLC-BT-575	0.58 kW	AN
		16'	1	TLC-BT-575	0.58 kW	AY
A27	70'	70'	2	TLC-LED-1200	2.34 kW	AX
		70'	2	TLC-LED-1500	2.86 kW	AX
		16'	1	TLC-BT-575	0.58 kW	AX
A28	70'	70'	5	TLC-LED-1500	7.15 kW	AV
		16'	3	TLC-BT-575	1.73 kW	AV
A29	80'	80'	1	TLC-LED-1200	1.17 kW	BH
		80'	8	TLC-LED-1500	11.44 kW	BH
		16'	3	TLC-BT-575	1.73 kW	BH
A30	80'	80'	2	TLC-LED-1200	2.34 kW	BC
		80'	7	TLC-LED-1500	10.01 kW	BC
		16'	3	TLC-BT-575	1.73 kW	BC

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

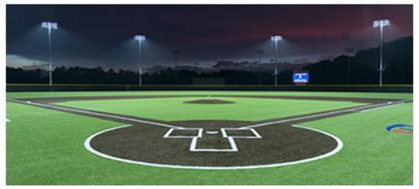
Grimes Sportsplex

Grimes,IA

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A31	80'	80'	9	TLC-LED-1500	12.87 kW	BD
		16'	3	TLC-BT-575	1.73 kW	BD
A32	70'	70'	3	TLC-LED-900	2.67 kW	BF
		16'	2	TLC-BT-575	1.15 kW	BF
A33	80'	80'	9	TLC-LED-1500	12.87 kW	BG
		16'	3	TLC-BT-575	1.73 kW	BG
B1	90'	90'	1	TLC-LED-1200	1.17 kW	K
		90'	7	TLC-LED-1500	10.01 kW	K
		90'	2	TLC-LED-900	1.78 kW	K
		16'	3	TLC-BT-575	1.73 kW	K
B2	90'	90'	1	TLC-LED-1200	1.17 kW	B
		90'	9	TLC-LED-1500	12.87 kW	B
		16'	3	TLC-BT-575	1.73 kW	B
B3	90'	90'	1	TLC-LED-1200	1.17 kW	E
		90'	9	TLC-LED-1500	12.87 kW	E
		16'	3	TLC-BT-575	1.73 kW	E
B4	90'	90'	1	TLC-LED-1200	1.17 kW	Z
		90'	9	TLC-LED-1500	12.87 kW	Z
		16'	3	TLC-BT-575	1.73 kW	Z
B5	90'	90'	1	TLC-LED-1200	1.17 kW	Q
		90'	1	TLC-LED-1200	1.17 kW	AI
		90'	9	TLC-LED-1500	12.87 kW	Q
		90'	9	TLC-LED-1500	12.87 kW	AI
		16'	3	TLC-BT-575	1.73 kW	Q
		16'	3	TLC-BT-575	1.73 kW	AI
B6	90'	90'	1	TLC-LED-1200	1.17 kW	H
		90'	1	TLC-LED-1200	1.17 kW	N
		90'	9	TLC-LED-1500	12.87 kW	H
		90'	9	TLC-LED-1500	12.87 kW	N
		16'	3	TLC-BT-575	1.73 kW	H
		16'	3	TLC-BT-575	1.73 kW	N
B7	90'	90'	1	TLC-LED-1200	1.17 kW	W
		90'	7	TLC-LED-1500	10.01 kW	W
		90'	2	TLC-LED-900	1.78 kW	W
		16'	3	TLC-BT-575	1.73 kW	W
B8	90'	90'	1	TLC-LED-1200	1.17 kW	T
		90'	1	TLC-LED-1200	1.17 kW	AL
		90'	10	TLC-LED-1500	14.30 kW	AL
		90'	9	TLC-LED-1500	12.87 kW	T
		16'	3	TLC-BT-575	1.73 kW	T
		16'	3	TLC-BT-575	1.73 kW	AL
B9	90'	90'	1	TLC-LED-1200	1.17 kW	AF
		90'	1	TLC-LED-1200	1.17 kW	AS
		90'	10	TLC-LED-1500	14.30 kW	AS
		90'	9	TLC-LED-1500	12.87 kW	AF
		16'	3	TLC-BT-575	1.73 kW	AF
		16'	3	TLC-BT-575	1.73 kW	AS
B10	90'	90'	1	TLC-LED-1200	1.17 kW	AC
		90'	9	TLC-LED-1500	12.87 kW	AC
		16'	3	TLC-BT-575	1.73 kW	AC
B11	90'	90'	1	TLC-LED-1200	1.17 kW	AP
		90'	1	TLC-LED-1200	1.17 kW	BA
		90'	13	TLC-LED-1500	18.59 kW	BA
		90'	10	TLC-LED-1500	14.30 kW	AP
		16'	3	TLC-BT-575	1.73 kW	AP
		16'	3	TLC-BT-575	1.73 kW	BA

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

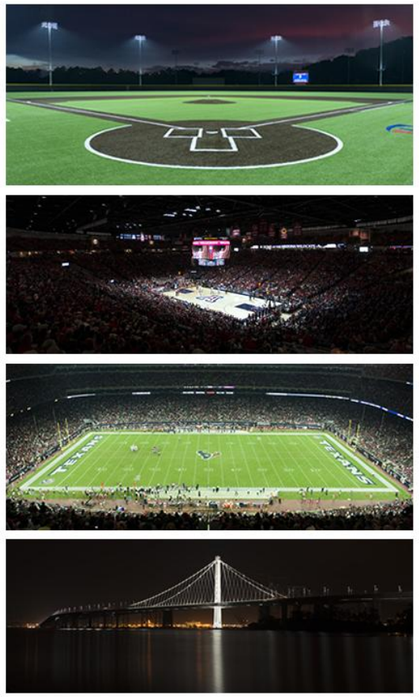
ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

Pole / Fixture Summary						
Pole ID	**Pole Height**	**Mtg Height**	**Fixture Qty**	**Luminaire Type**	**Load**	**Circuit**
B12	90'	90'	1	TLC-LED-1200	1.17 kW	AW
		90'	10	TLC-LED-1500	14.30 kW	AW
		16'	3	TLC-BT-575	1.73 kW	AW
B13	90'	90'	1	TLC-LED-1200	1.17 kW	BE
		90'	14	TLC-LED-1500	20.02 kW	BE
		16'	3	TLC-BT-575	1.73 kW	BE
46			***486***		***556.65 kW***	

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

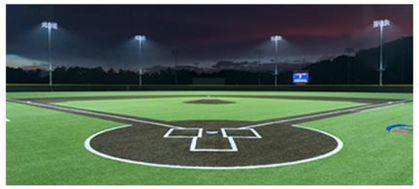
Grimes Sportsplex

Grimes,IA

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	A	3.53 kW	4
B	B	15.77 kW	13
C	C	3.81 kW	4
D	D	3.81 kW	4
E	E	15.77 kW	13
F	F	5.52 kW	5
G	G	5.52 kW	5
H	H	15.77 kW	13
I	I	3.81 kW	4
J	J	3.81 kW	4
K	K	14.69 kW	13
L	L	3.81 kW	4
M	M	3.81 kW	4
N	N	15.77 kW	13
O	O	5.52 kW	5
P	P	5.52 kW	5
Q	Q	15.77 kW	13
R	R	3.81 kW	4
S	S	3.81 kW	4
T	T	15.77 kW	13
U	U	3.81 kW	4
V	V	3.81 kW	4
W	W	14.69 kW	13
X	X	3.81 kW	4
Y	Y	5.52 kW	5
Z	Z	15.77 kW	13
AA	AA	3.81 kW	4
AB	AB	3.81 kW	4
AC	AC	15.77 kW	13
AD	AD	3.81 kW	4
AE	AE	3.81 kW	4
AF	AF	15.77 kW	13
AG	AG	3.81 kW	4
AH	AH	3.81 kW	4
AI	AI	15.77 kW	13
AJ	AJ	5.52 kW	5
AK	AK	3.81 kW	4
AL	AL	17.2 kW	14
AM	AM	8.88 kW	8
AN	AN	8.64 kW	7
AO	AO	5.26 kW	5
AP	AP	17.2 kW	14
AQ	AQ	8.88 kW	8
AR	AR	8.64 kW	7
AS	AS	17.2 kW	14
AT	AT	3.81 kW	4
AU	AU	7.6 kW	7
AV	AV	8.88 kW	8
AW	AW	17.2 kW	14
AX	AX	5.78 kW	5
AY	AY	8.64 kW	7
AZ	AZ	8.88 kW	8
BA	BA	21.49 kW	17
BB	BB	6.09 kW	6
BC	BC	14.08 kW	12
BD	BD	14.6 kW	12
BE	BE	22.92 kW	18
BF	BF	3.82 kW	5
BG	BG	14.6 kW	12
BH	BH	14.34 kW	12

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost File #209347f · 23-Aug-22

PROJECT SUMMARY

Grimes Sportsplex

Grimes,IA

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1500	LED 5700K - 75 CRI	1430W	160,000	>120,000	>120,000	>120,000	245
TLC-LED-1200	LED 5700K - 75 CRI	1170W	136,000	>120,000	>120,000	>120,000	99
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	114
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	28

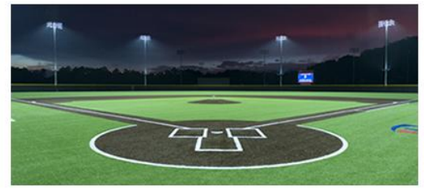
Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Baseball 1 (Infield)	Horizontal Illuminance	50.2	35	62	1.76	1.43	B,C,D,E,F,G,H,I,J,K	78
Baseball 1 (Outfield)	Horizontal Illuminance	32.5	25	47	1.86	1.30	B,C,D,E,F,G,H,I,J,K	78
Baseball 2 (Infield)	Horizontal Illuminance	51.3	34	60	1.75	1.51	M,N,O,P,Q,R,S,T,W,X	78
Baseball 2 (Outfield)	Horizontal Illuminance	32.3	25	49	1.98	1.29	M,N,O,P,Q,R,S,T,W,X	78
Baseball 3 (Infield)	Horizontal Illuminance	50.3	38	62	1.63	1.32	AA,AB,AC,AF,AG,AH,AI,AJ,Y,Z	78
Baseball 3 (Outfield)	Horizontal Illuminance	32.4	26	49	1.92	1.25	AA,AB,AC,AF,AG,AH,AI,AJ,Y,Z	78
Baseball 4 (Infield)	Horizontal Illuminance	50.8	37	63	1.69	1.37	AL,AM,AN,AO,AP,AQ	56
Baseball 4 (Outfield)	Horizontal Illuminance	31.3	20	43	2.10	1.57	AL,AM,AN,AO,AP,AQ	56
Baseball 5 (Infield)	Horizontal Illuminance	51.1	38	66	1.76	1.34	AS,AV,AW,AX,AY,AZ	56
Baseball 5 (Outfield)	Horizontal Illuminance	30.7	21	42	2.01	1.46	AS,AV,AW,AX,AY,AZ	56
Baseball 6 (Infield)	Horizontal Illuminance	65.3	48	83	1.74	1.36	BA,BB,BC,BD,BE,BH	77
Baseball 6 (Outfield)	Horizontal Illuminance	48.4	30	62	2.08	1.61	BA,BB,BC,BD,BE,BH	77
Field 10 (Infield)	Horizontal Illuminance	52.6	37	63	1.71	1.42	AF,AG,AH,A I	34
Field 10 (Outfield)	Horizontal Illuminance	30.7	24	43	1.78	1.28	AF,AG,AH,A I	34
Field 11 (Infield)	Horizontal Illuminance	51.4	38	58	1.53	1.35	AA,AB,AC,Z	34
Field 11 (Outfield)	Horizontal Illuminance	32.2	24	43	1.81	1.34	AA,AB,AC,Z	34
Field 12 (Infield)	Horizontal Illuminance	51.6	36	60	1.65	1.43	AC,AD,AE,A F	34
Field 12 (Outfield)	Horizontal Illuminance	32.1	22	42	1.89	1.46	AC,AD,AE,A F	34
Field 13 (Infield)	Horizontal Illuminance	51	34	67	1.97	1.50	AK,AL,AQ,A R	33
Field 13 (Outfield)	Horizontal Illuminance	30.1	19	46	2.38	1.58	AK,AL,AQ,A R	33
Field 14 (Infield)	Horizontal Illuminance	56.3	48	65	1.35	1.17	AM,AN,AO,A P	34
Field 14 (Outfield)	Horizontal Illuminance	36.7	23	56	2.46	1.60	AM,AN,AO,A P	34
Field 15 (Infield)	Horizontal Illuminance	57.7	50	67	1.34	1.15	AW,AX,AY,A Z	34
Field 15 (Outfield)	Horizontal Illuminance	37.2	23	56	2.46	1.62	AW,AX,AY,A Z	34
Field 16 (Infield)	Horizontal Illuminance	51.1	41	65	1.61	1.25	AS,AT,AU,A V	33
Field 16 (Outfield)	Horizontal Illuminance	30.4	18	39	2.12	1.69	AS,AT,AU,A V	33
Field 17 (Infield)	Horizontal Illuminance	59.7	39	70	1.82	1.53	BE,BF,BG,B H	47
Field 17 (Outfield)	Horizontal Illuminance	45.4	26	57	2.17	1.75	BE,BF,BG,B H	47
Field 18 (Infield)	Horizontal Illuminance	71.5	58	84	1.46	1.23	BA,BB,BC,B D	47
Field 18 (Outfield)	Horizontal Illuminance	50.4	31	74	2.42	1.63	BA,BB,BC,B D	47
Field 1 (Infield)	Horizontal Illuminance	50.6	41	60	1.45	1.23	A,B,K,L	34
Field 1 (Outfield)	Horizontal Illuminance	32.2	23	45	1.96	1.40	A,B,K,L	34
Field 2 (Infield)	Horizontal Illuminance	50.3	39	60	1.53	1.29	H,I,J,K	34
Field 2 (Outfield)	Horizontal Illuminance	31.9	22	46	2.06	1.45	H,I,J,K	34
Field 3 (Infield)	Horizontal Illuminance	51.9	40	63	1.60	1.30	B,C,D,E	34
Field 3 (Outfield)	Horizontal Illuminance	32.6	25	41	1.65	1.30	B,C,D,E	34

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

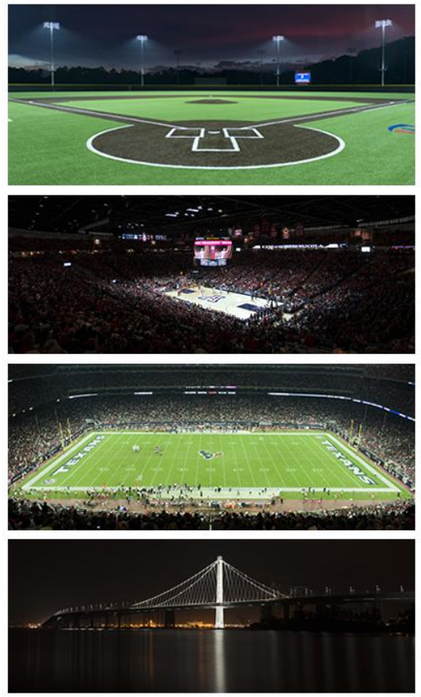
Grimes Sportsplex

Grimes,IA

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Field 4 (Infield)	Horizontal Illuminance	56.4	47	63	1.34	1.20	E,F,G,H	36
Field 4 (Outfield)	Horizontal Illuminance	37.8	25	52	2.06	1.51	E,F,G,H	36
Field 5 (Infield)	Horizontal Illuminance	50.5	38	61	1.61	1.33	M,N,W,X	34
Field 5 (Outfield)	Horizontal Illuminance	30.3	21	40	1.88	1.44	M,N,W,X	34
Field 6 (Infield)	Horizontal Illuminance	52.6	41	63	1.56	1.28	T,U,V,W	34
Field 6 (Outfield)	Horizontal Illuminance	30.9	23	44	1.93	1.34	T,U,V,W	34
Field 7 (Infield)	Horizontal Illuminance	54.6	49	61	1.24	1.11	N,O,P,Q	36
Field 7 (Outfield)	Horizontal Illuminance	39.2	25	58	2.37	1.57	N,O,P,Q	36
Field 8 (Infield)	Horizontal Illuminance	50.3	39	58	1.49	1.29	Q,R,S,T	34
Field 8 (Outfield)	Horizontal Illuminance	32.4	23	44	1.87	1.41	Q,R,S,T	34
Field 9 (Infield)	Horizontal Illuminance	55.8	44	62	1.42	1.27	AI,AJ,Y,Z	36
Field 9 (Outfield)	Horizontal Illuminance	38.5	23	53	2.26	1.67	AI,AJ,Y,Z	36
NW Property Line	Horizontal	0.30	0	0.55	0.00		A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,BG,BH,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486
NW Property Line	Max Candela (by Fixture)	4837	59.5	8765	147.45	81.36	A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,BG,BH,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

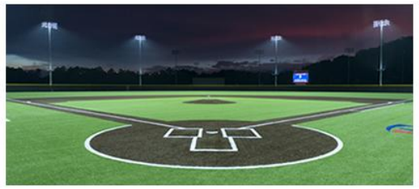
Grimes Sportsplex

Grimes,IA

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
NW Property Line	Max Vertical Illuminance Metric	0.46	0	0.84	1451.63		A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,BG,BH,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486
North Spill	Horizontal	0	0	0	0.00		BG,BH,A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486
North Spill	Max Candela (by Fixture)	551	119	929	7.80	4.63	BG,BH,A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

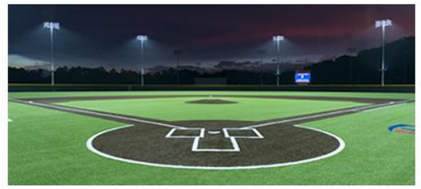
Grimes Sportsplex

Grimes,IA

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
North Spill	Max Vertical Illuminance Metric	0	0	0.01	16.25		BG,BH,A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486
Road Spill	Horizontal	0.32	0	1.44	0.00		BG,BH,A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486
Road Spill	Max Candela (by Fixture)	22114	69.5	148049	2129.63	318.10	BG,BH,A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X, Y,Z	486

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

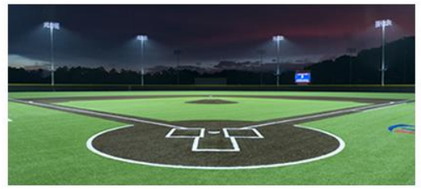
Grimes Sportsplex

Grimes,IA

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Road Spill	Max Vertical Illuminance Metric	0.57	0	3.04	11409.97		BG,BH,A,AA ,AB,AC,AD, AE,AF,AG,A H,AI,AJ,AK ,AL,AM,AN, AO,AP,AQ,A R,AS,AT,AU ,AV,AW,AX, AY,AZ,B,BA ,BB,BC,BD, BE,BF,C,D, E,F,G,H,I, J,K,L,M,N, O,P,Q,R,S, T,U,V,W,X, Y,Z	486
Soccer 10	Horizontal Illuminance	30.4	23	44	1.92	1.32	AS,AU,AV,A W	43
Soccer 11	Horizontal Illuminance	50.2	40	62	1.57	1.26	BA,BE,BG,B H	59
Soccer 12	Horizontal Illuminance	50.7	39	66	1.68	1.30	BA,BC,BD,B E	59
Soccer 1	Horizontal Illuminance	32.3	26	50	1.95	1.24	B,E,H,J,K, L	60
Soccer 2	Horizontal Illuminance	33.7	27	47	1.73	1.25	B,D,E,F,H, K	61
Soccer 3	Horizontal Illuminance	31	25	41	1.67	1.24	N,Q,T,V,W, X	60
Soccer 4	Horizontal Illuminance	34.6	27	53	1.96	1.28	N,P,Q,R,T, W	61
Soccer 5	Horizontal Illuminance	33.4	27	48	1.78	1.24	AC,AF,AH,A I,AJ,Z	61
Soccer 6	Horizontal Illuminance	33	26	47	1.81	1.27	AB,AC,AD,A F,AI,Z	60
Soccer 7	Horizontal Illuminance	30.1	23	38	1.65	1.31	AL,AP,AQ,A R	43
Soccer 8	Horizontal Illuminance	33.6	26	43	1.66	1.29	AL,AM,AN,A P	43
Soccer 9	Horizontal Illuminance	33	26	42	1.63	1.27	AS,AW,AY,A Z	43
Softball 1 (Infield)	Horizontal Illuminance	50.6	42	60	1.43	1.20	A,B,K,L,E, H	60
Softball 1 (Outfield)	Horizontal Illuminance	32.2	23	46	1.97	1.40	A,B,K,L,E, H	60
Softball 2 (Infield)	Horizontal Illuminance	56.3	46	62	1.34	1.22	B,E,F,G,H, K	62
Softball 2 (Outfield)	Horizontal Illuminance	35.5	26	52	1.99	1.37	B,E,F,G,H, K	62
Softball 3 (Infield)	Horizontal Illuminance	52.6	41	63	1.56	1.28	N,Q,T,V,W, U	60
Softball 3 (Outfield)	Horizontal Illuminance	30.6	24	44	1.82	1.28	N,Q,T,V,W, U	60
Softball 4 (Infield)	Horizontal Illuminance	54.7	49	61	1.24	1.12	N,O,P,Q,T, W	62
Softball 4 (Outfield)	Horizontal Illuminance	36.7	25	58	2.32	1.47	N,O,P,Q,T, W	62
Softball 5 (Infield)	Horizontal Illuminance	55.8	44	62	1.42	1.27	AC,AF,AI,A J,Y,Z	62
Softball 5 (Outfield)	Horizontal Illuminance	36.1	27	53	1.99	1.34	AC,AF,AI,A J,Y,Z	62
Softball 6 (Infield)	Horizontal Illuminance	51.6	36	60	1.64	1.43	AC,AD,AE,A F,AI,Z	60
Softball 6 (Outfield)	Horizontal Illuminance	32.3	22	42	1.93	1.47	AC,AD,AE,A F,AI,Z	60
Softball 7 (Infield)	Horizontal Illuminance	56.5	48	65	1.35	1.18	AL,AM,AN,A O,AP,AQ	56
Softball 7 (Outfield)	Horizontal Illuminance	35.5	23	56	2.44	1.54	AL,AM,AN,A O,AP,AQ	56
Softball 8 (Infield)	Horizontal Illuminance	57.7	50	67	1.34	1.15	AS,AV,AW,A X,AY,AZ	56
Softball 8 (Outfield)	Horizontal Illuminance	35.3	23	56	2.39	1.53	AS,AV,AW,A X,AY,AZ	56
Softball 9 (Infield)	Horizontal Illuminance	71.5	57	84	1.47	1.25	BA,BB,BC,B D,BE,BH	77

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

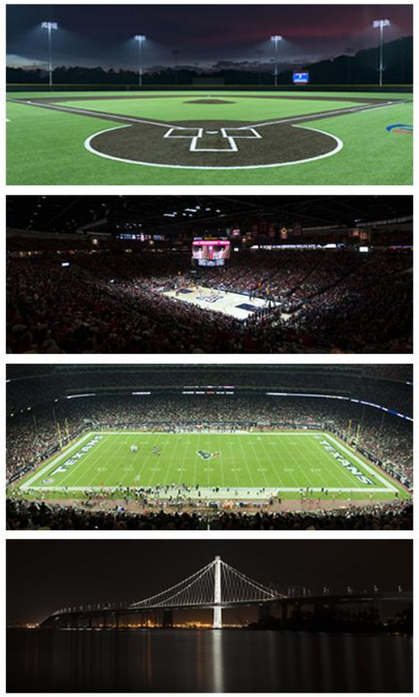
Grimes Sportsplex

Grimes,IA

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Softball 9 (Outfield)	Horizontal Illuminance	51.9	38	74	1.98	1.37	BA,BB,BC,BD,BE,BH	77
West Blanket Grid	Horizontal Illuminance	9.30	0	69	0.00		A,AA,AB,AC,AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ,AR,AS,AT,AU,AV,AW,AX,AY,AZ,B,BA,BB,BC,BD,BE,BF,BG,BH,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z	486

From Hometown to Professional



We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

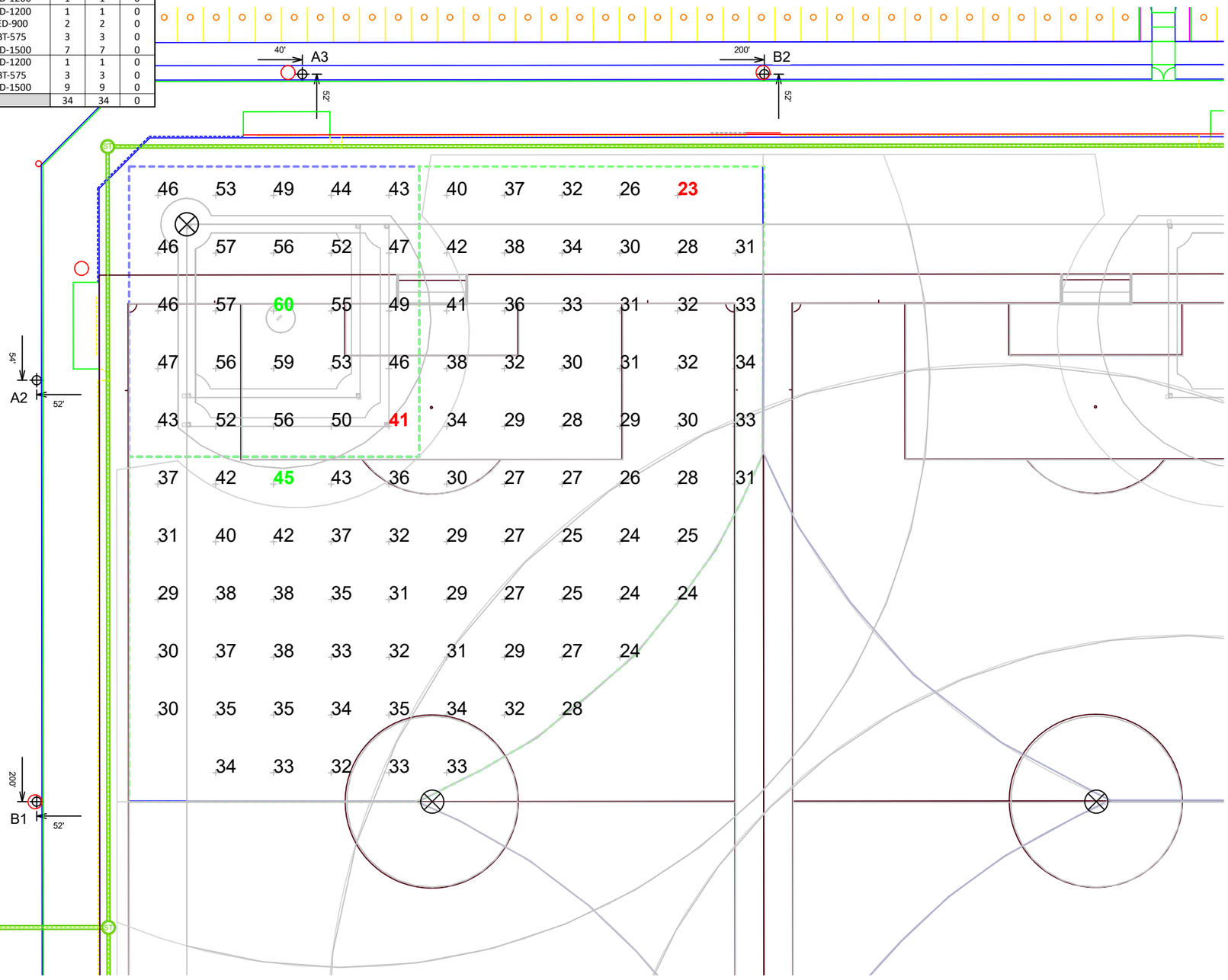
ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A2	70'	-.16'	69.84'	TLC-LED-900	1	1	0
				15.34'	TLC-BT-575	1	1	0
				69.84'	TLC-LED-1200	2	2	0
1	A3	70'	-.16'	69.84'	TLC-LED-900	2	2	0
				15.34'	TLC-BT-575	1	1	0
				69.84'	TLC-LED-1200	1	1	0
1	B1	90'	-.16'	89.84'	TLC-LED-1200	1	1	0
				89.84'	TLC-LED-900	2	2	0
				15.34'	TLC-BT-575	3	3	0
				89.84'	TLC-LED-1500	7	7	0
1	B2	90'	-.16'	89.84'	TLC-LED-1200	1	1	0
				15.34'	TLC-BT-575	3	3	0
				89.84'	TLC-LED-1500	9	9	0
4	TOTALS					34	34	0



GRID SUMMARY

Name:	**Field 1**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.6	32.2
Maximum:	60	45
Minimum:	41	23
Avg / Min:	1.22	1.39
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.45	1.96
UG (adjacent pts):	1.24	1.30
CU:	0.39	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	A, B, K, L
No. of Luminaires:	**34**
Total Load:	37.78 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

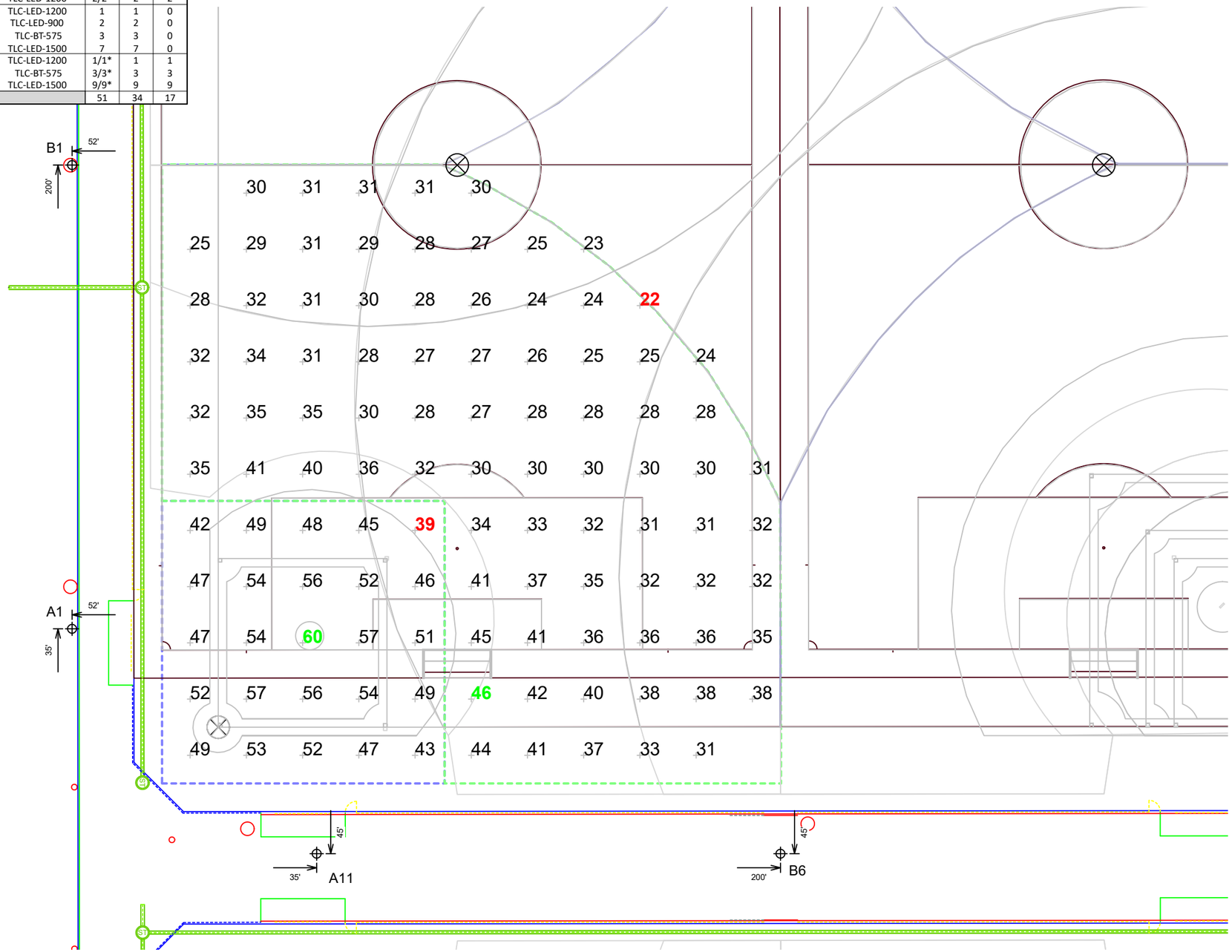
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	0'	70'	TLC-LED-900	1	1	0
				15.46'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	2	2	0
1	A11	70'	0'	70'	TLC-LED-900	1/1*	1	1
				15.46'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1200	2/2*	2	2
1	B1	90'	0'	90'	TLC-LED-1200	1	1	0
				90'	TLC-LED-900	2	2	0
				15.46'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	7	7	0
1	B6	90'	0'	90'	TLC-LED-1200	1/1*	1	1
				15.46'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1500	9/9*	9	9
4	TOTALS					51	34	17

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 2**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.3	31.9
Maximum:	60	46
Minimum:	39	22
Avg / Min:	1.29	1.43
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.53	2.06
UG (adjacent pts):	1.19	1.24
CU:	0.38	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	H, I, J, K
No. of Luminaires:	**34**
Total Load:	38.06 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

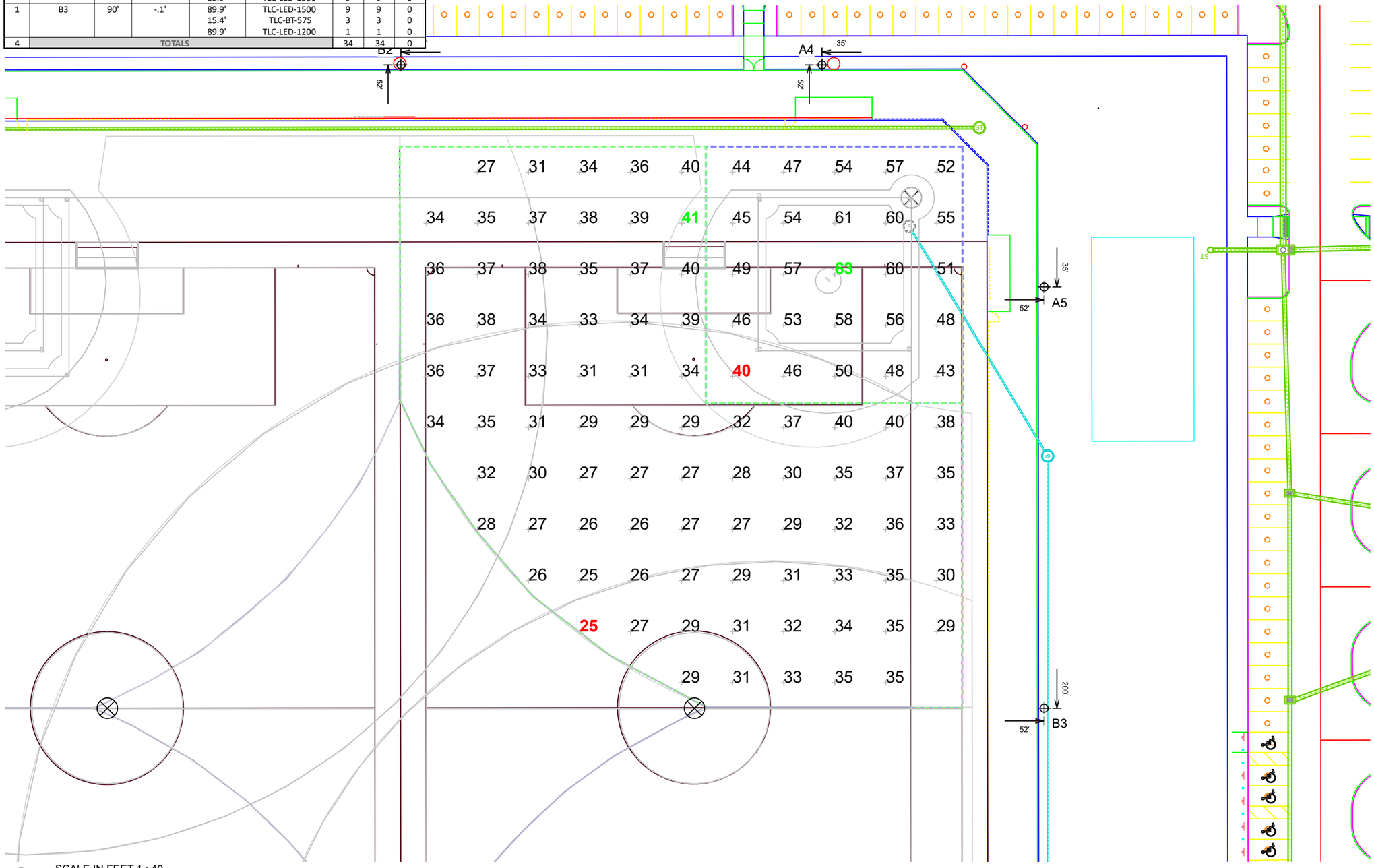
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A4-A5	70'	-.1'	69.9'	TLC-LED-900	1	1	0
				15.4'	TLC-BT-575	1	1	0
				69.9'	TLC-LED-1200	2	2	0
1	B2	90'	-.1'	89.9'	TLC-LED-1200	1	1	0
				15.4'	TLC-BT-575	3	3	0
				89.9'	TLC-LED-1500	9	9	0
1	B3	90'	-.1'	89.9'	TLC-LED-1500	9	9	0
				15.4'	TLC-BT-575	3	3	0
				89.9'	TLC-LED-1200	1	1	0
4	TOTALS					34	34	0



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 3**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.9	32.6
Maximum:	63	41
Minimum:	40	25
Avg / Min:	1.31	1.32
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.60	1.65
UG (adjacent pts):	1.19	1.31
CU:	0.38	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	B, C, D, E
No. of Luminaires:	**34**
Total Load:	39.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

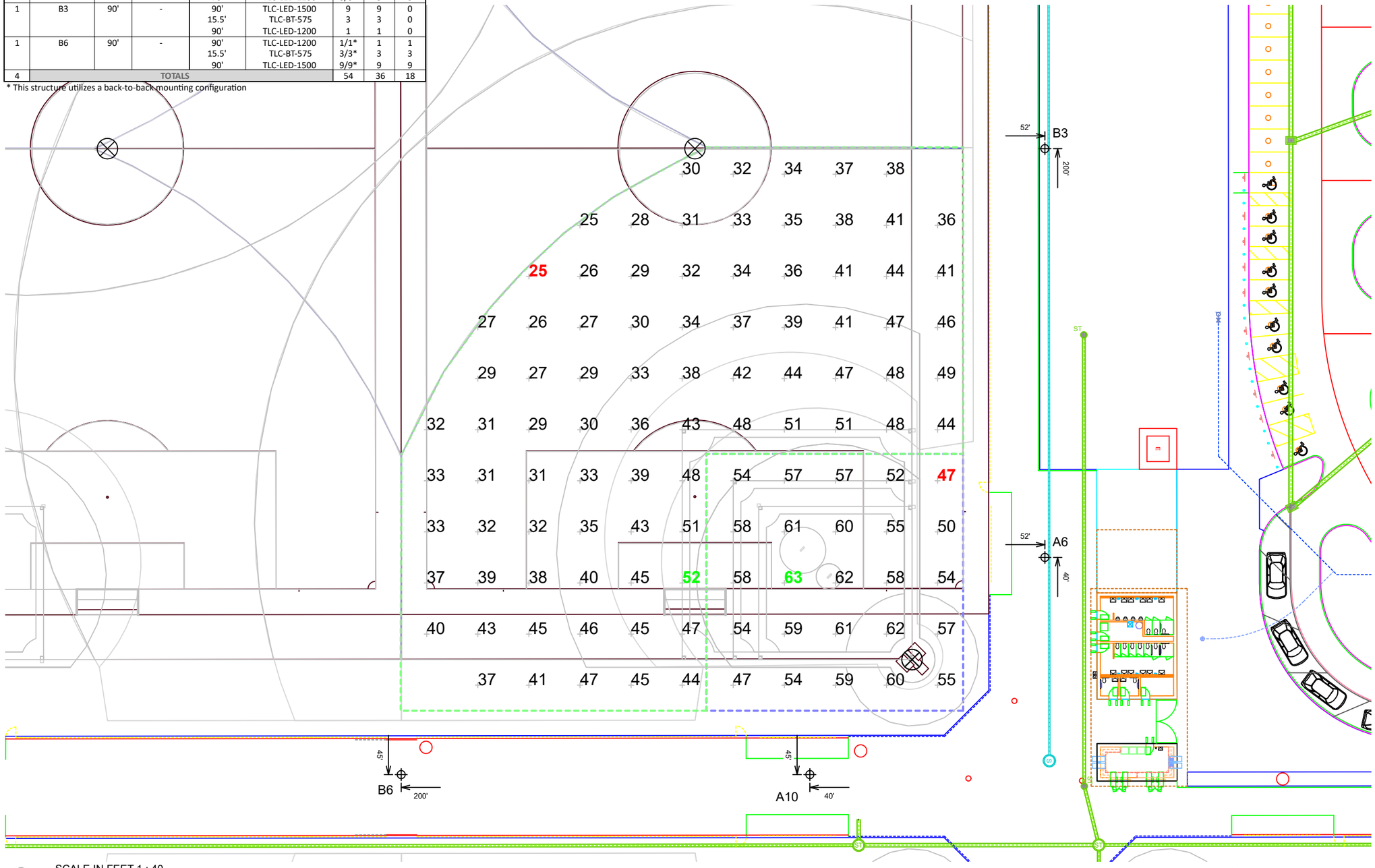
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A6	70'	-	70'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	A10	70'	-	70'	TLC-LED-1500	1/1*	1	1
				15.5'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1200	3/3*	3	3
1	B3	90'	-	90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
1	B6	90'	-	90'	TLC-LED-1200	1/1*	1	1
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1500	9/9*	9	9
4	TOTALS					54	36	18

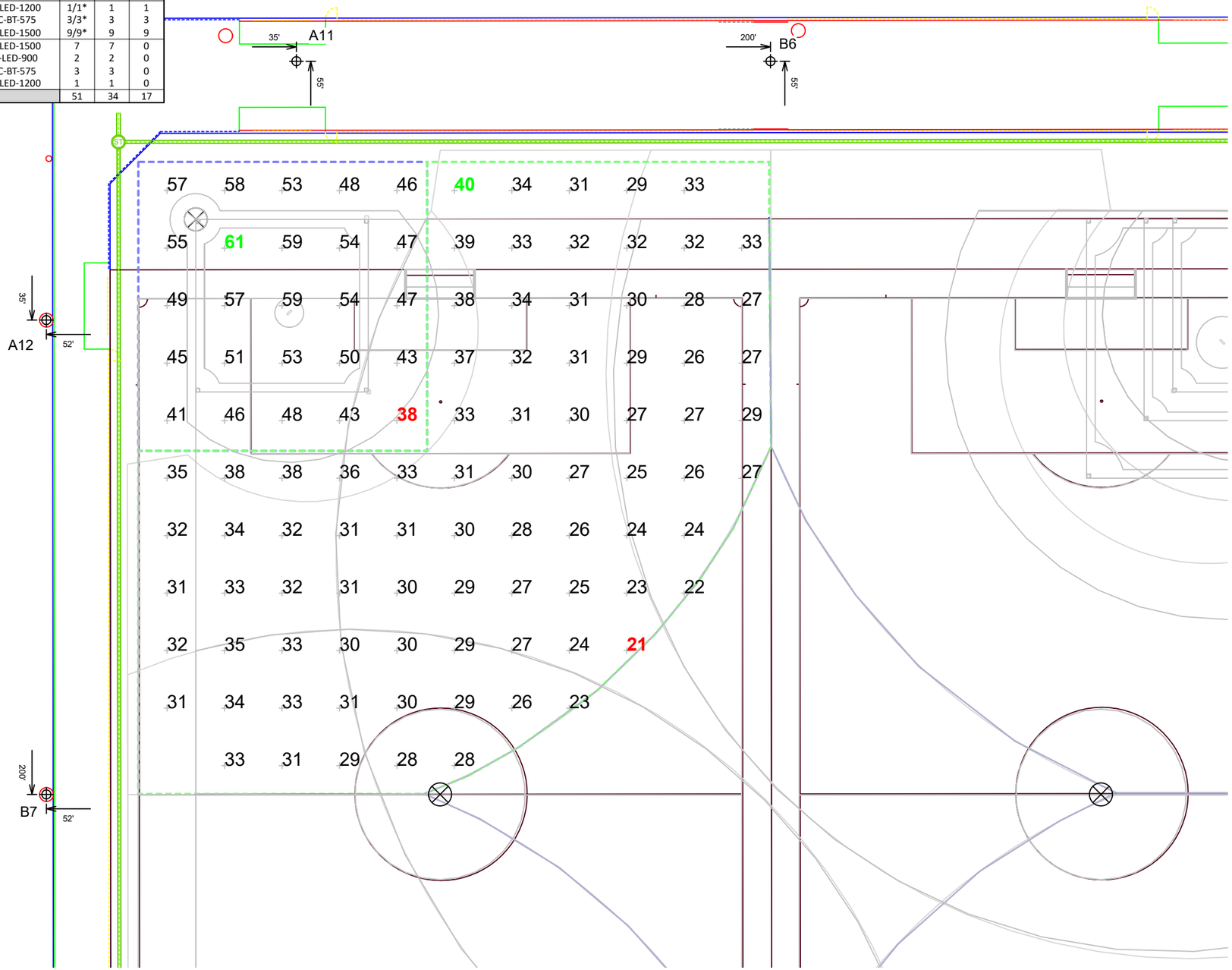
* This structure utilizes a back-to-back mounting configuration


30 32 34 37 38
25 28 31 33 35 38 41 36
25 26 29 32 34 36 41 44 41
27 26 27 30 34 37 39 41 47 46
29 27 29 33 38 42 44 47 48 49
32 31 29 30 36 43 48 51 51 48 44
33 31 31 33 39 48 54 57 57 52 47
33 32 32 35 43 51 58 61 60 55 50
37 39 38 40 45 52 58 63 62 58 54
40 43 45 46 45 47 54 59 61 62 57
37 41 47 45 44 47 54 59 60 55
52'
B3
200'
52'
A6
40'
45'
B6
200'
45'
A10
40'
ST
ST
ST
ST
B
B
B

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A11	70'	-.12'	69.88'	TLC-LED-900	1/1*	1	1
				15.38'	TLC-BT-575	1/1*	1	1
				69.88'	TLC-LED-1200	2/2*	2	2
1	A12	70'	0'	70'	TLC-LED-900	1	1	0
				15.46'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	2	2	0
1	B6	90'	-.12'	89.88'	TLC-LED-1200	1/1*	1	1
				15.38'	TLC-BT-575	3/3*	3	3
				89.88'	TLC-LED-1500	9/9*	9	9
1	B7	90'	0'	90'	TLC-LED-1500	7	7	0
				90'	TLC-LED-900	2	2	0
				15.46'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
4	TOTALS					51	34	17

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 5**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.5	30.3
Maximum:	61	40
Minimum:	38	21
Avg / Min:	1.33	1.42
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.61	1.88
UG (adjacent pts):	1.16	1.20
CU:	0.37	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	M, N, W, X
No. of Luminaires:	**34**
Total Load:	38.06 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

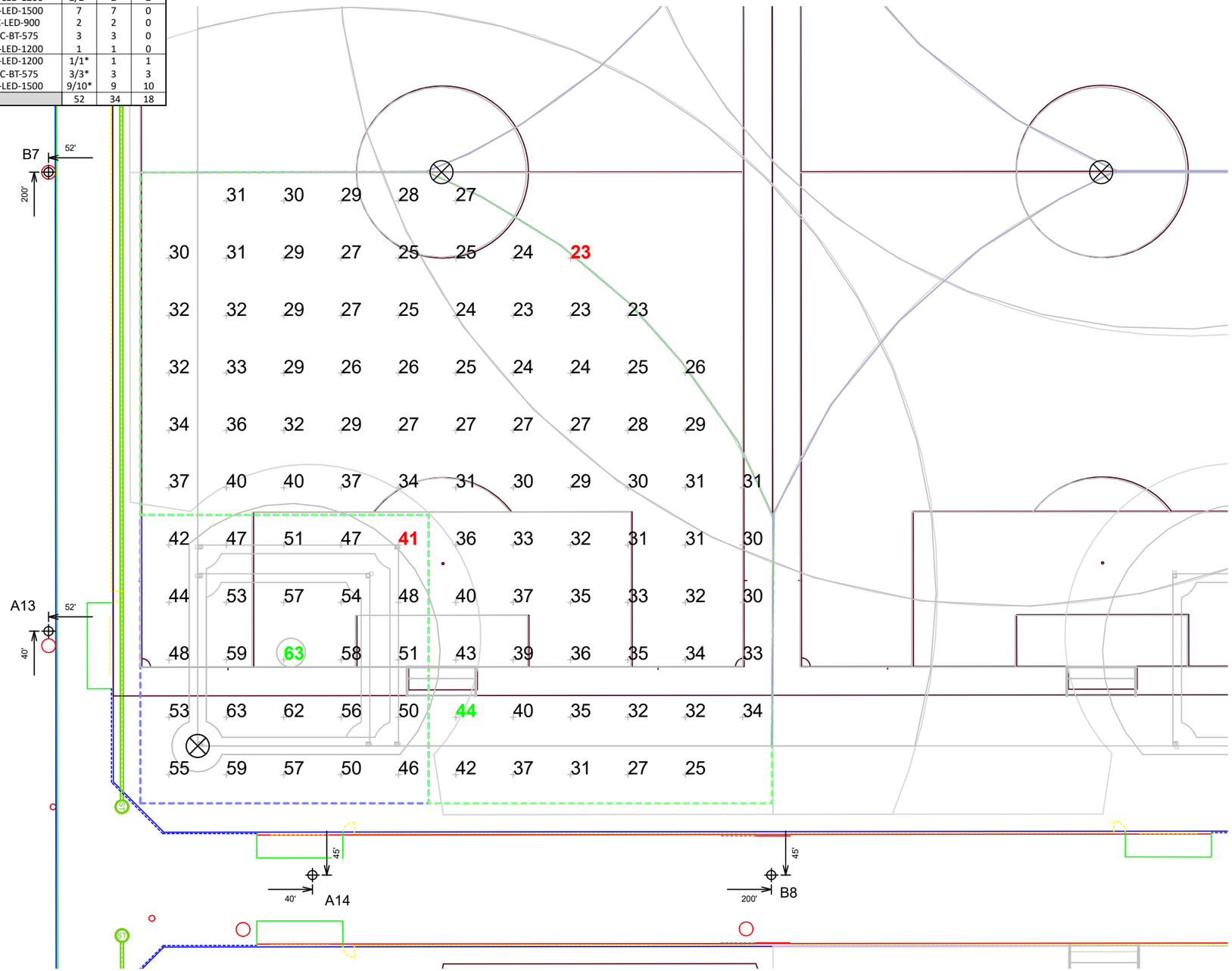
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A13	70'	.1'	70.1'	TLC-LED-900	1	1	0
				15.6'	TLC-BT-575	1	1	0
				70.1'	TLC-LED-1200	2	2	0
1	A14	70'	.1'	70.1'	TLC-LED-900	1/1*	1	1
				15.6'	TLC-BT-575	1/1*	1	1
				70.1'	TLC-LED-1200	2/2*	2	2
1	B7	90'	.1'	90.1'	TLC-LED-1500	7	7	0
				90.1'	TLC-LED-900	2	2	0
				15.6'	TLC-BT-575	3	3	0
				90.1'	TLC-LED-1200	1	1	0
1	B8	90'	.1'	90.1'	TLC-LED-1200	1/1*	1	1
				15.6'	TLC-BT-575	3/3*	3	3
				90.1'	TLC-LED-1500	9/10*	9	10
4	TOTALS					52	34	18

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 6**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	52.6	30.9
Maximum:	63	44
Minimum:	41	23
Avg / Min:	1.29	1.35
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.56	1.93
UG (adjacent pts):	1.21	1.28
CU:	0.38	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	T, U, V, W
No. of Luminaires:	**34**
Total Load:	38.06 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

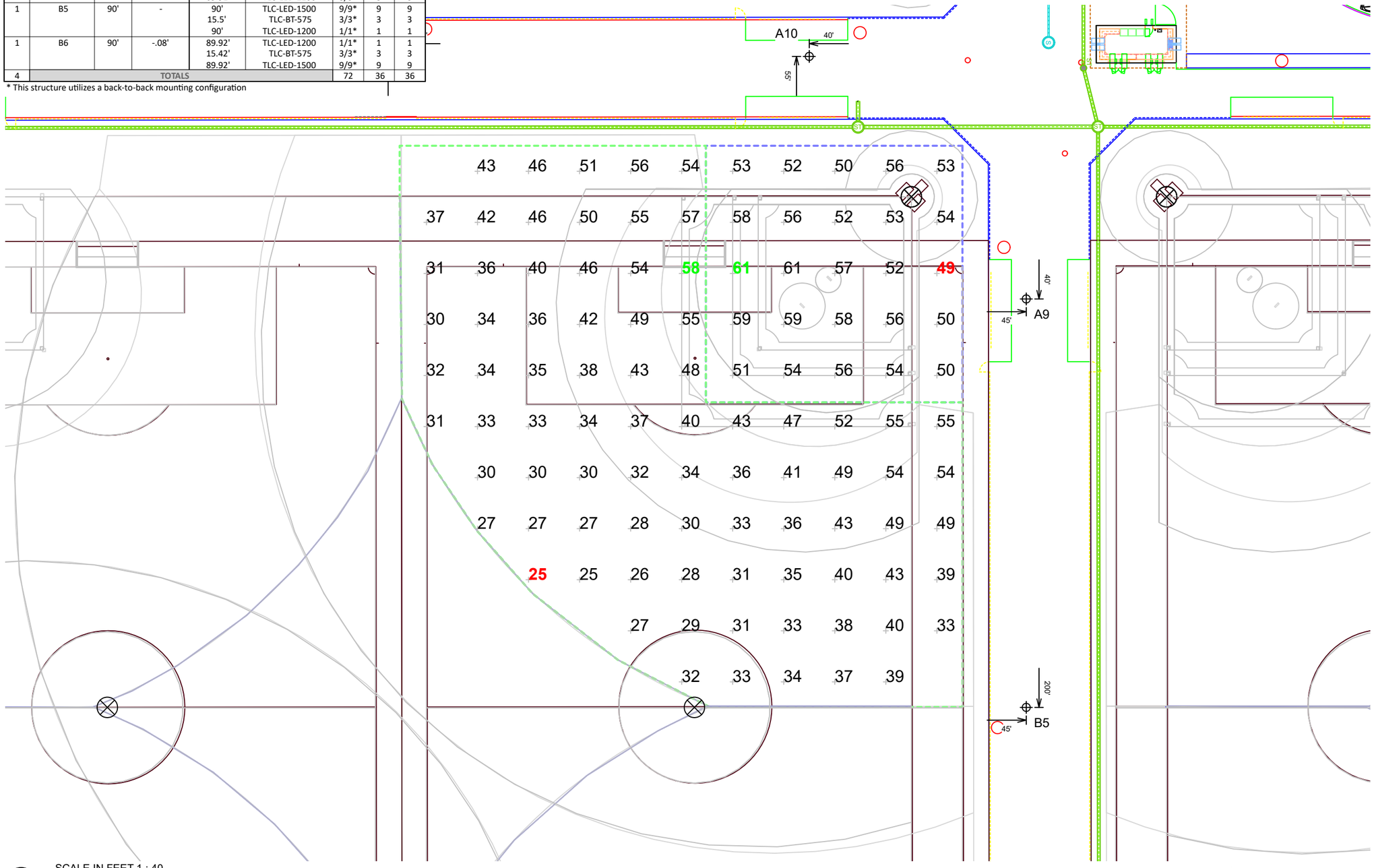
Grimes Sportsplex

Grimes,IA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A9	70'	-	70'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1500	1/1*	1	1
1	A10	70'	-.08'	69.92'	TLC-LED-1500	1/1*	1	1
				15.42'	TLC-BT-575	1/1*	1	1
				69.92'	TLC-LED-1200	3/3*	3	3
1	B5	90'	-	90'	TLC-LED-1500	9/9*	9	9
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B6	90'	-.08'	89.92'	TLC-LED-1200	1/1*	1	1
				15.42'	TLC-BT-575	3/3*	3	3
				89.92'	TLC-LED-1500	9/9*	9	9
4	TOTALS					72	36	36

* This structure utilizes a back-to-back mounting configuration



GRID SUMMARY

Name:	**Field 7**
Size:	Irregular 200' / 215' / 201'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	54.6	39.2
Maximum:	61	58
Minimum:	49	25
Avg / Min:	1.11	1.60
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.24	2.37
UG (adjacent pts):	1.15	1.25
CU:	0.39	
No. of Points:	25	81

LUMINAIRE INFORMATION

Applied Circuits:	N, O, P, Q
No. of Luminaires:	**36**
Total Load:	42.56 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

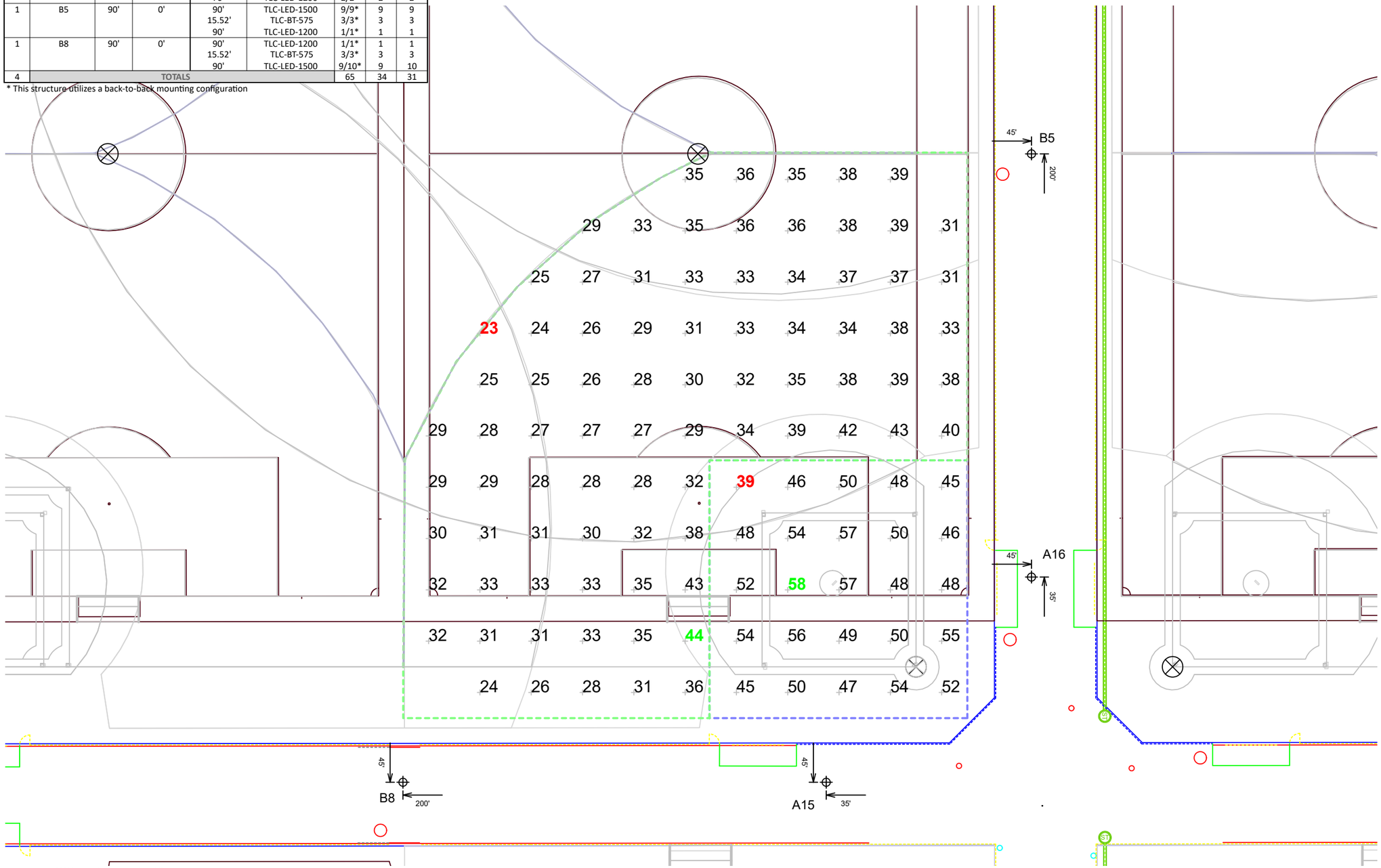
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A15	70'	0'	70'	TLC-LED-900	1	1	0
				15.52'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	2	2	0
1	A16	70'	0'	70'	TLC-LED-900	1/1*	1	1
				15.52'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1200	2/2*	2	2
1	B5	90'	0'	90'	TLC-LED-1500	9/9*	9	9
				15.52'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B8	90'	0'	90'	TLC-LED-1200	1/1*	1	1
				15.52'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1500	9/10*	9	10
4	TOTALS					65	34	31

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 8**
Size:	Irregular 200' / 214' / 201'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.3	32.4
Maximum:	58	44
Minimum:	39	23
Avg / Min:	1.28	1.39
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.49	1.87
UG (adjacent pts):	1.22	1.29
CU:	0.37	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	Q, R, S, T
No. of Luminaires:	**34**
Total Load:	39.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

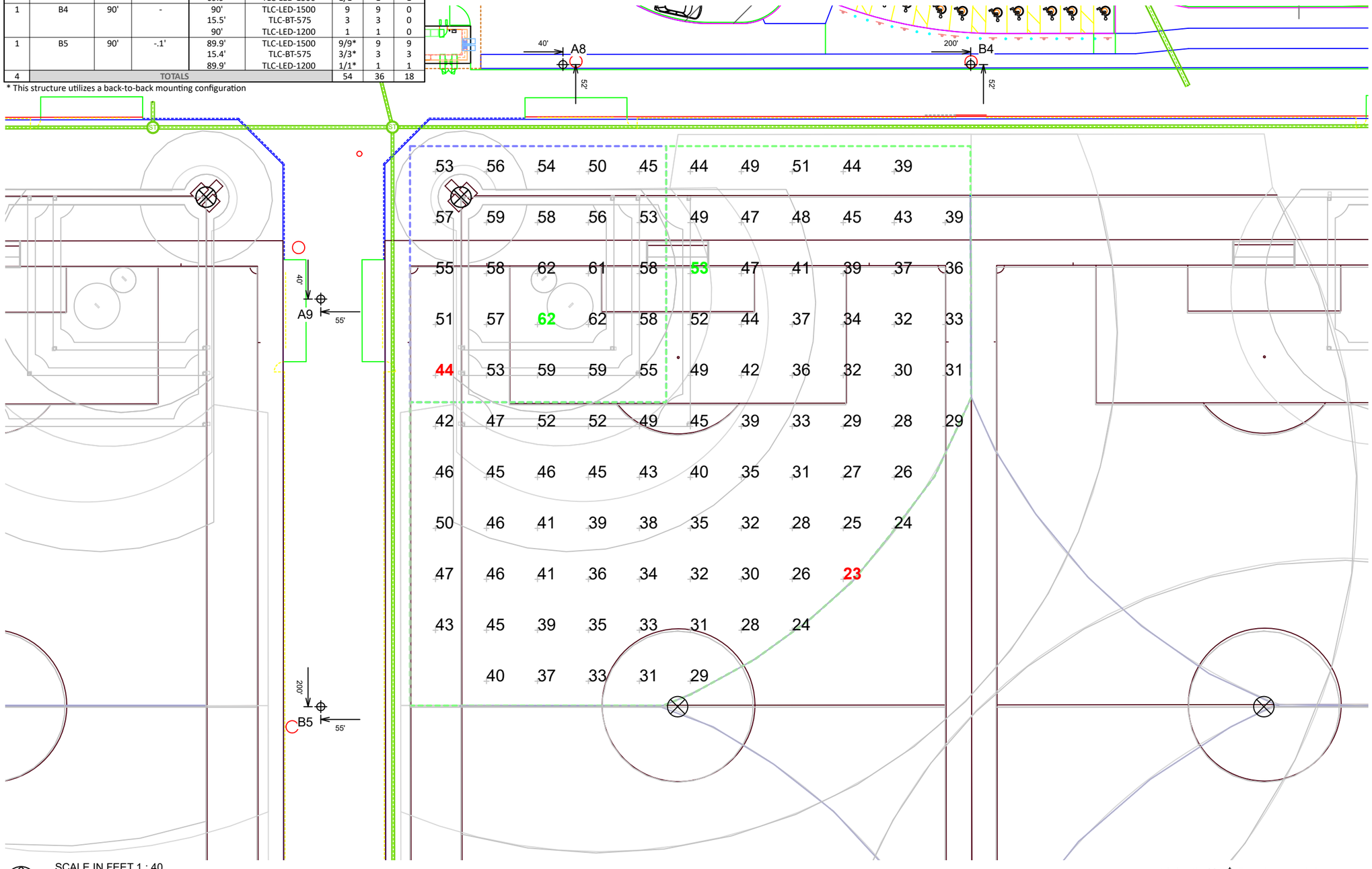
Grimes Sportsplex

Grimes,IA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A8	70'	-	70'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	A9	70'	-.1'	69.9'	TLC-LED-1200	3/3*	3	3
				15.4'	TLC-BT-575	1/1*	1	1
				69.9'	TLC-LED-1500	1/1*	1	1
1	B4	90'	-	90'	TLC-LED-1500	9	9	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
1	B5	90'	-.1'	89.9'	TLC-LED-1500	9/9*	9	9
				15.4'	TLC-BT-575	3/3*	3	3
				89.9'	TLC-LED-1200	1/1*	1	1
4	TOTALS					54	36	18

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

GRID SUMMARY

Name:	**Field 9**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	55.8	38.5
Maximum:	62	53
Minimum:	44	23
Avg / Min:	1.27	1.65
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.42	2.26
UG (adjacent pts):	1.20	1.20
CU:	0.39	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AI, AJ, Y, Z
No. of Luminaires:	**36**
Total Load:	42.56 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

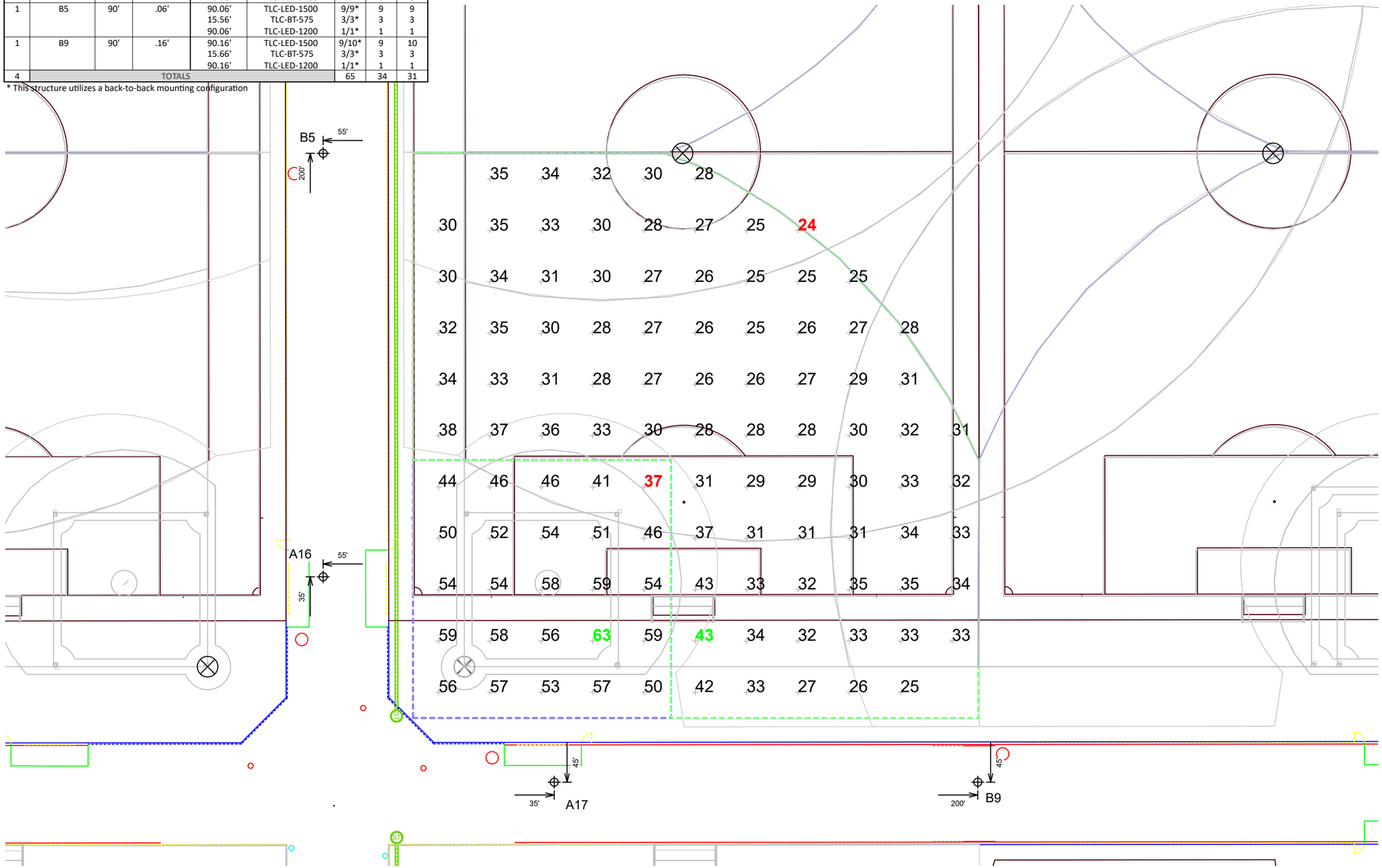
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A16	70'	.06'	70.06'	TLC-LED-900	1/1*	1	1
				15.56'	TLC-BT-575	1/1*	1	1
				70.06'	TLC-LED-1200	2/2*	2	2
1	A17	70'	.16'	70.16'	TLC-LED-900	1	1	0
				15.66'	TLC-BT-575	1	1	0
				70.16'	TLC-LED-1200	2	2	0
1	B5	90'	.06'	90.06'	TLC-LED-1500	9/9*	9	9
				15.56'	TLC-BT-575	3/3*	3	3
				90.06'	TLC-LED-1200	1/1*	1	1
1	B9	90'	.16'	90.16'	TLC-LED-1500	9/10*	9	10
				15.66'	TLC-BT-575	3/3*	3	3
				90.16'	TLC-LED-1200	1/1*	1	1
4	TOTALS					65	34	31

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 10**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	52.6	30.7
Maximum:	63	43
Minimum:	37	24
Avg / Min:	1.43	1.27
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.71	1.78
UG (adjacent pts):	1.26	1.32
CU:	0.36	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AF, AG, AH, AI
No. of Luminaires:	**34**
Total Load:	39.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

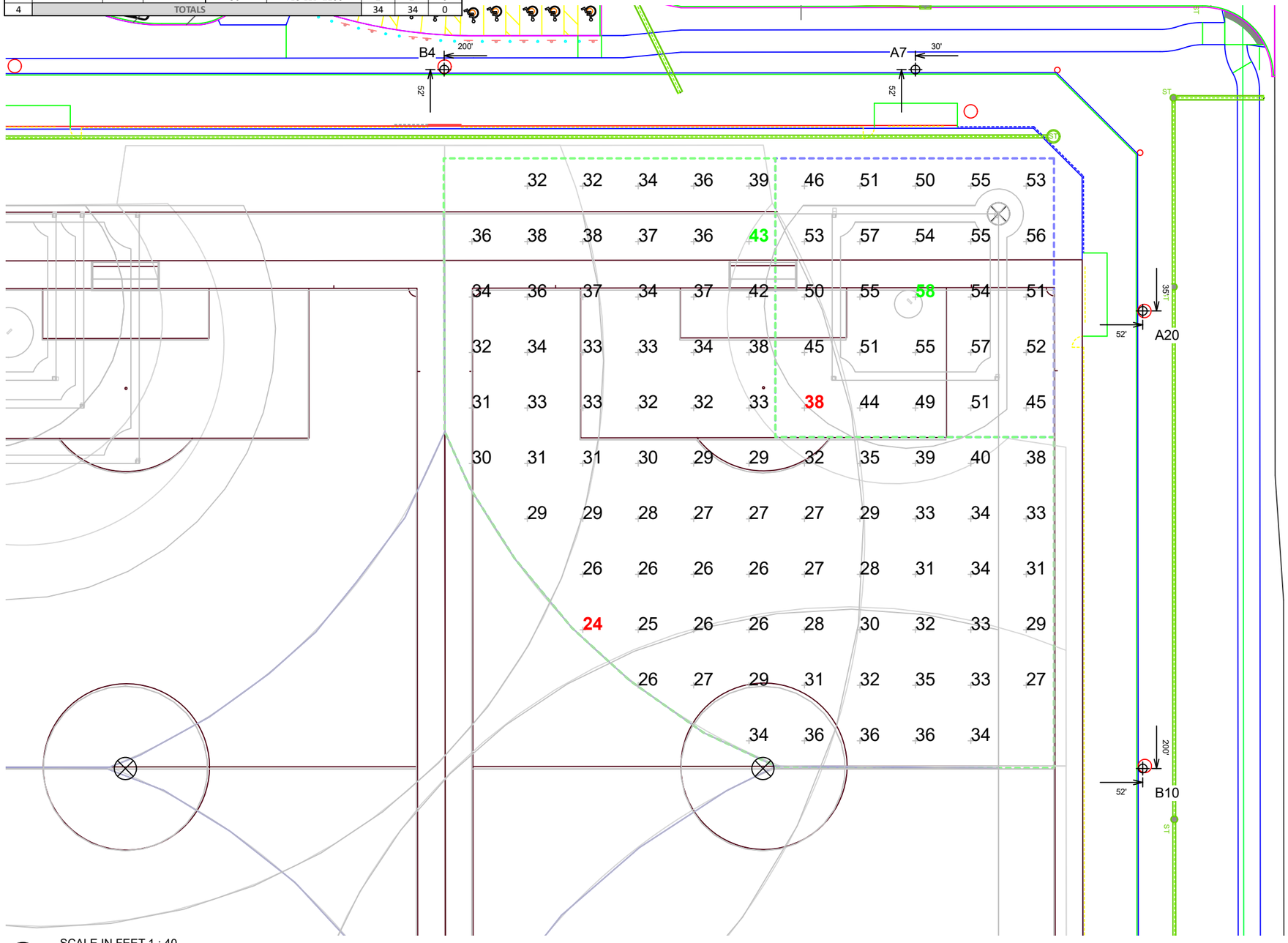
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A7, A20	70'	0'	70'	TLC-LED-900	1	1	0
				15.54'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	2	2	0
2	B4, B10	90'	0'	90'	TLC-LED-1500	9	9	0
				15.54'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
4	TOTALS					34	34	0



SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 11**
Size:	Irregular 200' / 214' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.4	32.2
Maximum:	58	43
Minimum:	38	24
Avg / Min:	1.35	1.35
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.53	1.81
UG (adjacent pts):	1.17	1.23
CU:	0.37	
No. of Points:	25	81

LUMINAIRE INFORMATION

Applied Circuits:	AA, AB, AC, Z
No. of Luminaires:	**34**
Total Load:	39.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

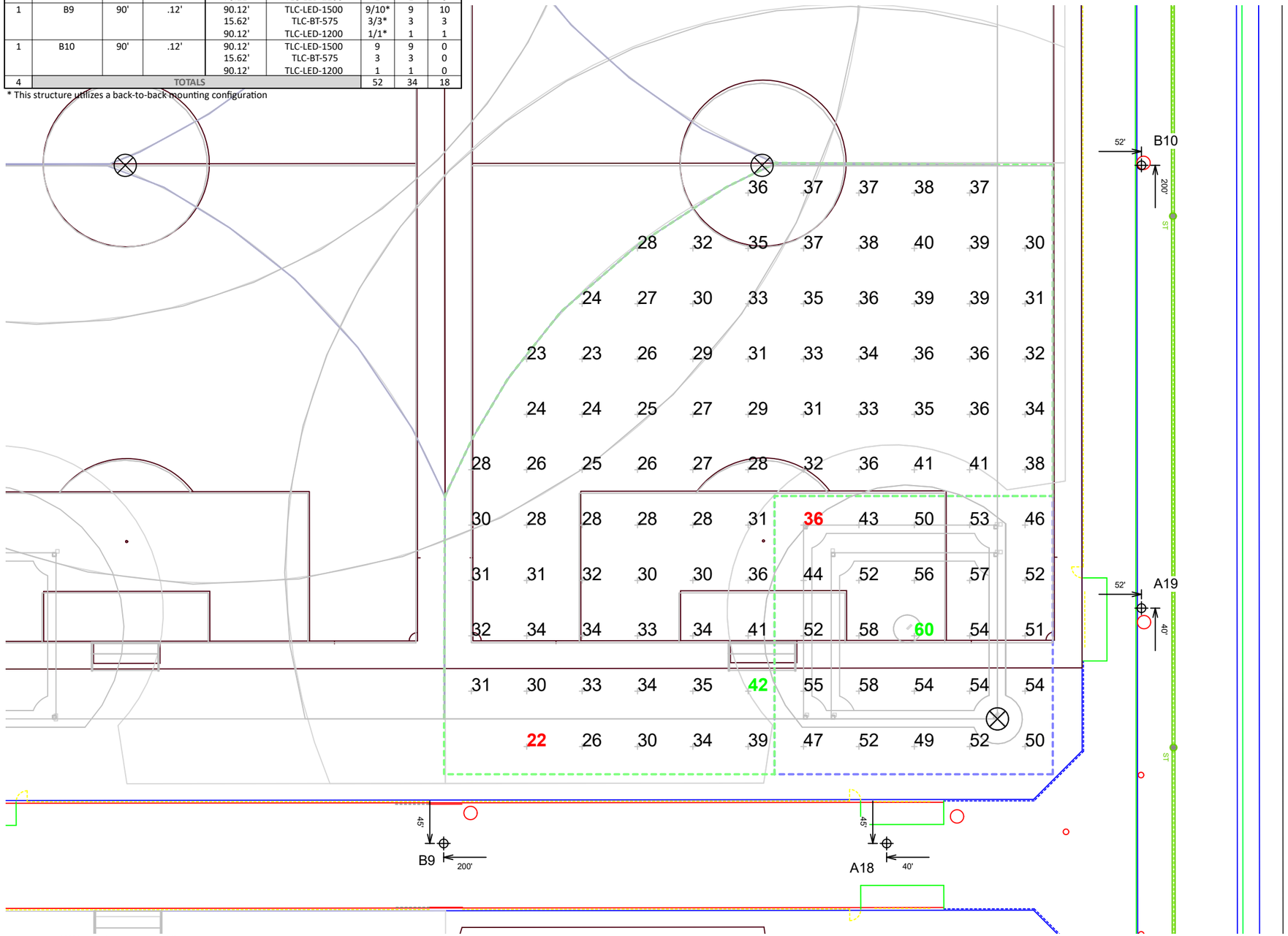
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A18	70'	.12'	70.12'	TLC-LED-900	1/1*	1	1
				15.62'	TLC-BT-575	1/1*	1	1
				70.12'	TLC-LED-1200	2/2*	2	2
1	A19	70'	.12'	70.12'	TLC-LED-900	1	1	0
				15.62'	TLC-BT-575	1	1	0
				70.12'	TLC-LED-1200	2	2	0
1	B9	90'	.12'	90.12'	TLC-LED-1500	9/10*	9	10
				15.62'	TLC-BT-575	3/3*	3	3
				90.12'	TLC-LED-1200	1/1*	1	1
1	B10	90'	.12'	90.12'	TLC-LED-1500	9	9	0
				15.62'	TLC-BT-575	3	3	0
				90.12'	TLC-LED-1200	1	1	0
4	TOTALS					52	34	18

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 12**
Size:	Irregular 200' / 215' / 200'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.6	32.1
Maximum:	60	42
Minimum:	36	22
Avg / Min:	1.43	1.44
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.65	1.89
UG (adjacent pts):	1.22	1.35
CU:	0.37	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AC, AD, AE, AF
No. of Luminaires:	**34**
Total Load:	39.14 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

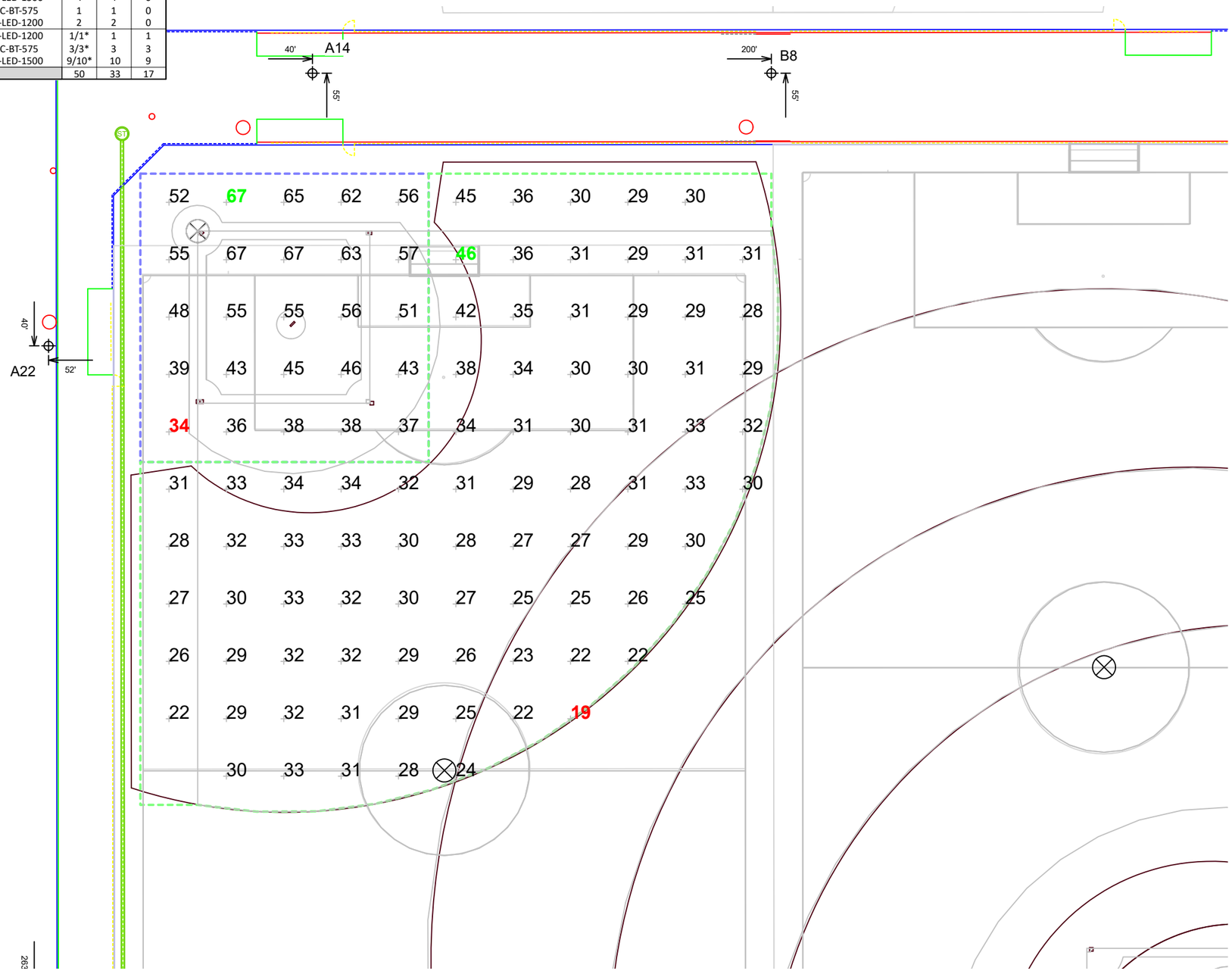
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A14	70'	.12'	70.12'	TLC-LED-900	1/1*	1	1
				15.62'	TLC-BT-575	1/1*	1	1
				70.12'	TLC-LED-1200	2/2*	2	2
1	A21	80'	.42'	15.92'	TLC-BT-575	3	3	0
				80.42'	TLC-LED-1500	5	5	0
1	A22	80'	.42'	80.42'	TLC-LED-1500	4	4	0
				15.92'	TLC-BT-575	1	1	0
				80.42'	TLC-LED-1200	2	2	0
1	B8	90'	.12'	90.12'	TLC-LED-1200	1/1*	1	1
				15.62'	TLC-BT-575	3/3*	3	3
				90.12'	TLC-LED-1500	9/10*	10	9
4	TOTALS					50	33	17

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 13**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.0	30.1
Maximum:	67	46
Minimum:	34	19
Avg / Min:	1.49	1.55
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.97	2.38
UG (adjacent pts):	1.30	1.30
CU:	0.36	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AK, AL, AQ, AR
No. of Luminaires:	**33**
Total Load:	38.51 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

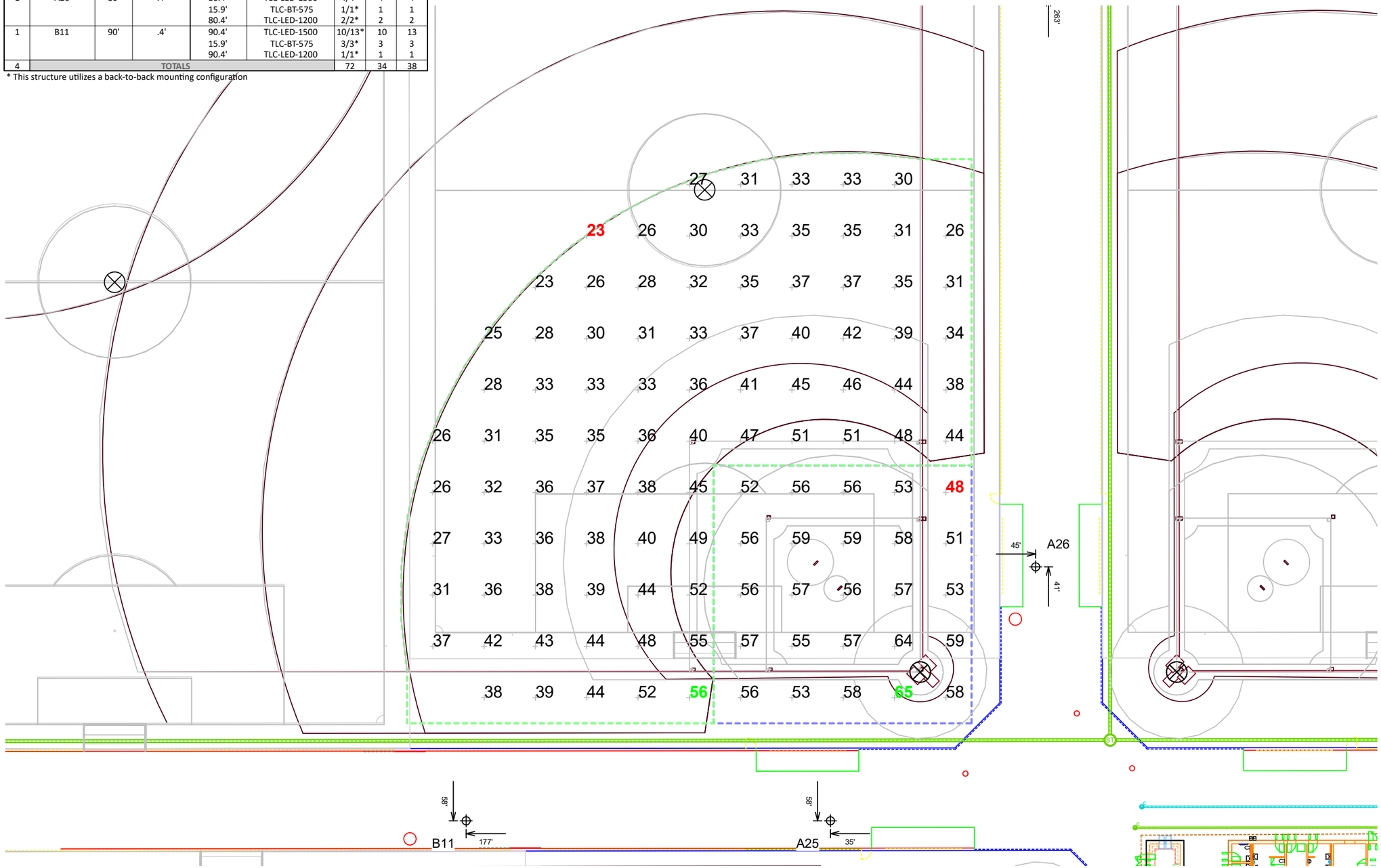
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	.4'	15.9'	TLC-BT-575	3/3*	3	3
				80.4'	TLC-LED-1500	5/5*	5	5
1	A25	70'	.4'	70.4'	TLC-LED-1500	1*	0	1
				15.9'	TLC-BT-575	1/2*	1	2
				70.4'	TLC-LED-1200	4/3*	4	3
1	A26	80'	.4'	80.4'	TLC-LED-1500	4/4*	4	4
				15.9'	TLC-BT-575	1/1*	1	1
				80.4'	TLC-LED-1200	2/2*	2	2
1	B11	90'	.4'	90.4'	TLC-LED-1500	10/13*	10	13
				15.9'	TLC-BT-575	3/3*	3	3
				90.4'	TLC-LED-1200	1/1*	1	1
4	TOTALS					72	34	38

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 14**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	56.3	36.7
Maximum:	65	56
Minimum:	48	23
Avg / Min:	1.17	1.62
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.35	2.46
UG (adjacent pts):	1.13	1.25
CU:	0.41	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AM, AN, AO, AP
No. of Luminaires:	**34**
Total Load:	39.96 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

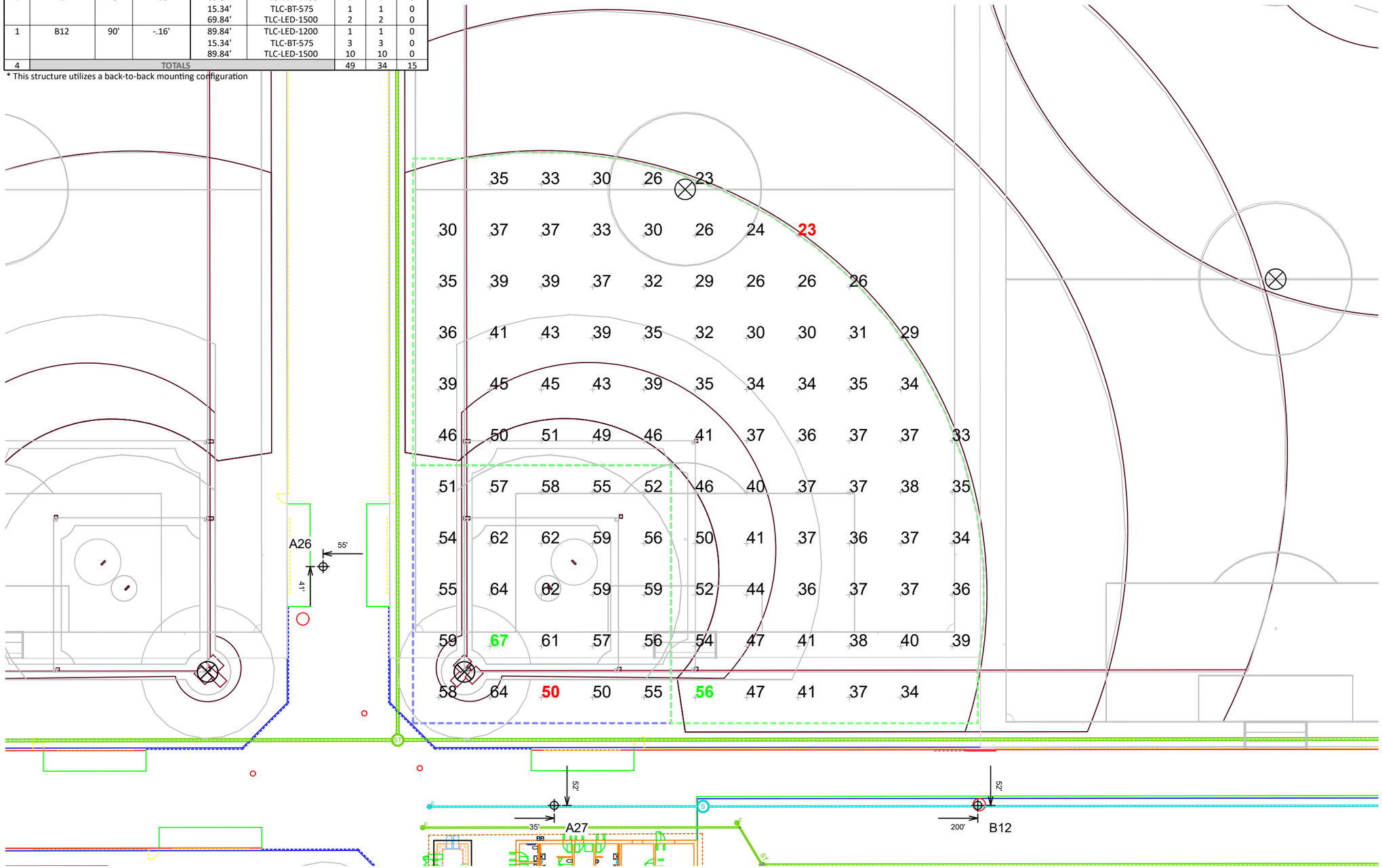
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	.42'	15.92'	TLC-BT-575	3/3*	3	3
				80.42'	TLC-LED-1500	5/5*	5	5
1	A26	80'	.42'	80.42'	TLC-LED-1500	4/4*	4	4
				15.92'	TLC-BT-575	1/1*	1	1
				80.42'	TLC-LED-1200	2/2*	2	2
1	A27	70'	-.16'	69.84'	TLC-LED-1200	2	2	0
				15.34'	TLC-BT-575	1	1	0
				69.84'	TLC-LED-1500	2	2	0
1	B12	90'	-.16'	89.84'	TLC-LED-1200	1	1	0
				15.34'	TLC-BT-575	3	3	0
				89.84'	TLC-LED-1500	10	10	0
4	TOTALS					49	34	15

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 15**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	57.7	37.2
Maximum:	67	56
Minimum:	50	23
Avg / Min:	1.15	1.64
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.34	2.46
UG (adjacent pts):	1.28	1.23
CU:	0.41	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AW, AX, AY, AZ
No. of Luminaires:	**34**
Total Load:	40.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

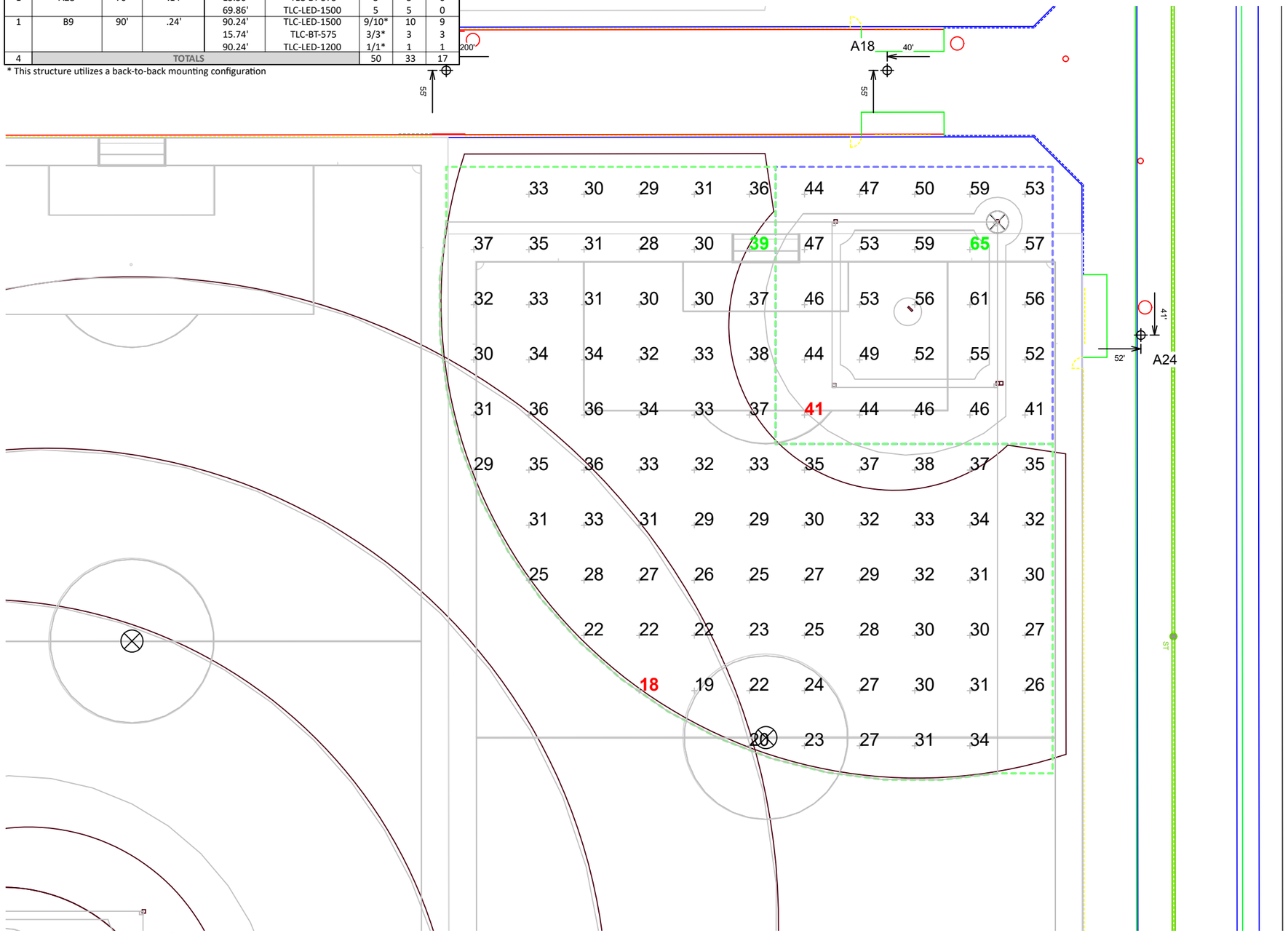
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A18	70'	.24'	70.24'	TLC-LED-900	1/1*	1	1
				15.74'	TLC-BT-575	1/1*	1	1
				70.24'	TLC-LED-1200	2/2*	2	2
1	A24	70'	-.14'	15.36'	TLC-BT-575	1	1	0
				69.86'	TLC-LED-1200	6	6	0
1	A28	70'	-.14'	15.36'	TLC-BT-575	3	3	0
				69.86'	TLC-LED-1500	5	5	0
1	B9	90'	.24'	90.24'	TLC-LED-1500	9/10*	10	9
				15.74'	TLC-BT-575	3/3*	3	3
				90.24'	TLC-LED-1200	1/1*	1	1
4	TOTALS					50	33	17

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 16**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.1	30.4
Maximum:	65	39
Minimum:	41	18
Avg / Min:	1.26	1.67
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.61	2.12
UG (adjacent pts):	1.26	1.29
CU:	0.37	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	AS, AT, AU, AV
No. of Luminaires:	**33**
Total Load:	37.47 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

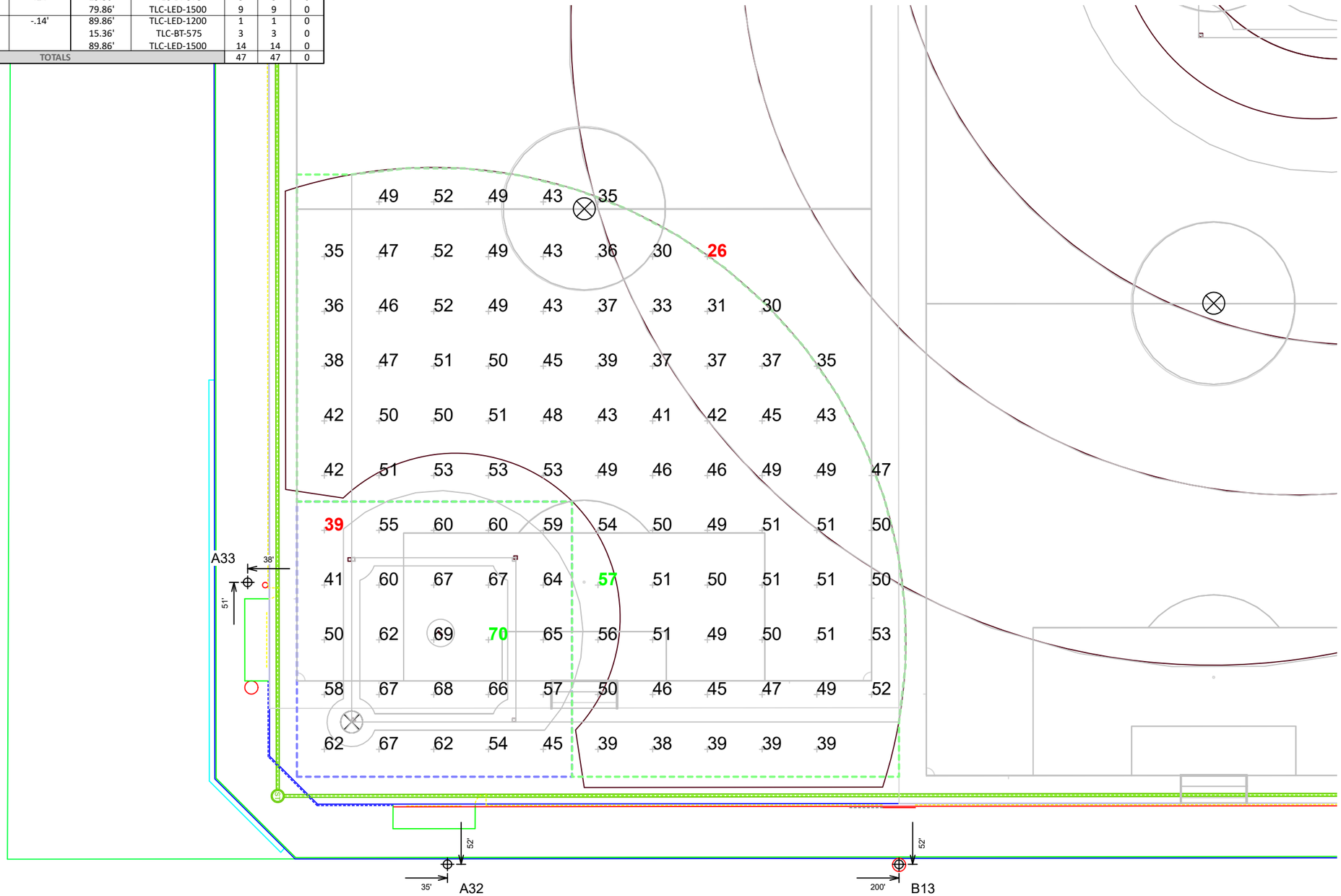
ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A29	80'	-.14'	79.86'	TLC-LED-1200	1	1	0
				15.36'	TLC-BT-575	3	3	0
				79.86'	TLC-LED-1500	8	8	0
1	A32	70'	-.14'	15.36'	TLC-BT-575	2	2	0
				69.86'	TLC-LED-900	3	3	0
1	A33	80'	-.14'	15.36'	TLC-BT-575	3	3	0
				79.86'	TLC-LED-1500	9	9	0
1	B13	90'	-.14'	89.86'	TLC-LED-1200	1	1	0
				15.36'	TLC-BT-575	3	3	0
				89.86'	TLC-LED-1500	14	14	0
4	TOTALS					47	47	0



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Field 17**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	59.7	45.4
Maximum:	70	57
Minimum:	39	26
Avg / Min:	1.54	1.74
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.82	2.17
UG (adjacent pts):	1.48	1.32
CU:	0.35	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	BE, BF, BG, BH
No. of Luminaires:	**47**
Total Load:	55.67 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

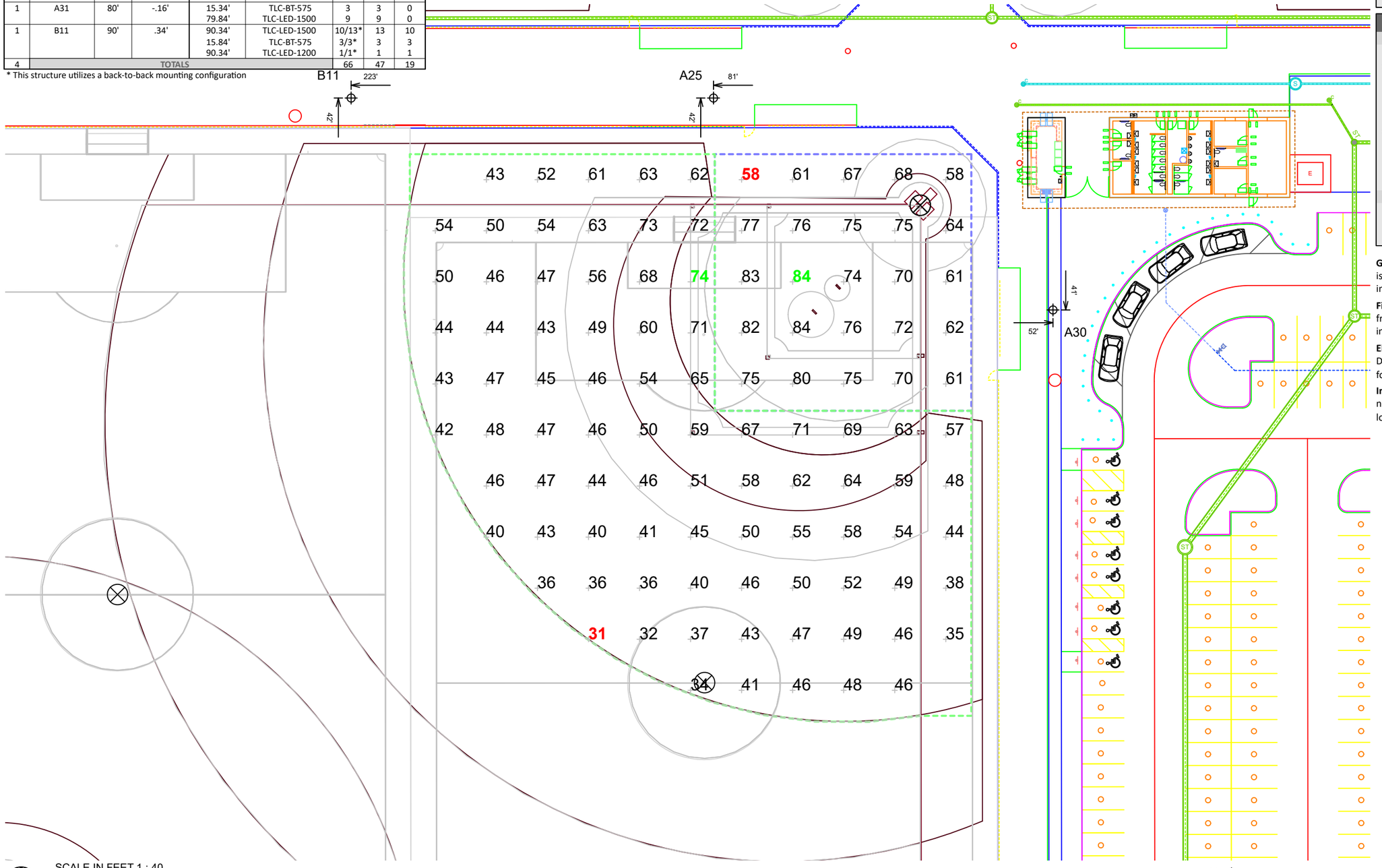
Grimes Sportsplex

Grimes,IA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A25	70'	.34'	70.34'	TLC-LED-1500	1*	1	0
				15.84'	TLC-BT-575	1/2*	2	1
				70.34'	TLC-LED-1200	4/3*	3	4
1	A30	80'	-.16'	79.84'	TLC-LED-1200	2	2	0
				15.34'	TLC-BT-575	3	3	0
				79.84'	TLC-LED-1500	7	7	0
1	A31	80'	-.16'	15.34'	TLC-BT-575	3	3	0
				79.84'	TLC-LED-1500	9	9	0
1	B11	90'	.34'	90.34'	TLC-LED-1500	10/13*	13	10
				15.84'	TLC-BT-575	3/3*	3	3
				90.34'	TLC-LED-1200	1/1*	1	1
4	TOTALS					66	47	19

* This structure utilizes a back-to-back mounting configuration



GRID SUMMARY

Name:	**Field 18**
Size:	200'/215'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	71.5	50.4
Maximum:	84	74
Minimum:	58	31
Avg / Min:	1.24	1.65
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.46	2.42
UG (adjacent pts):	1.34	1.31
CU:	0.39	
No. of Points:	25	82

LUMINAIRE INFORMATION

Applied Circuits:	BA, BB, BC, BD
No. of Luminaires:	**47**
Total Load:	56.25 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

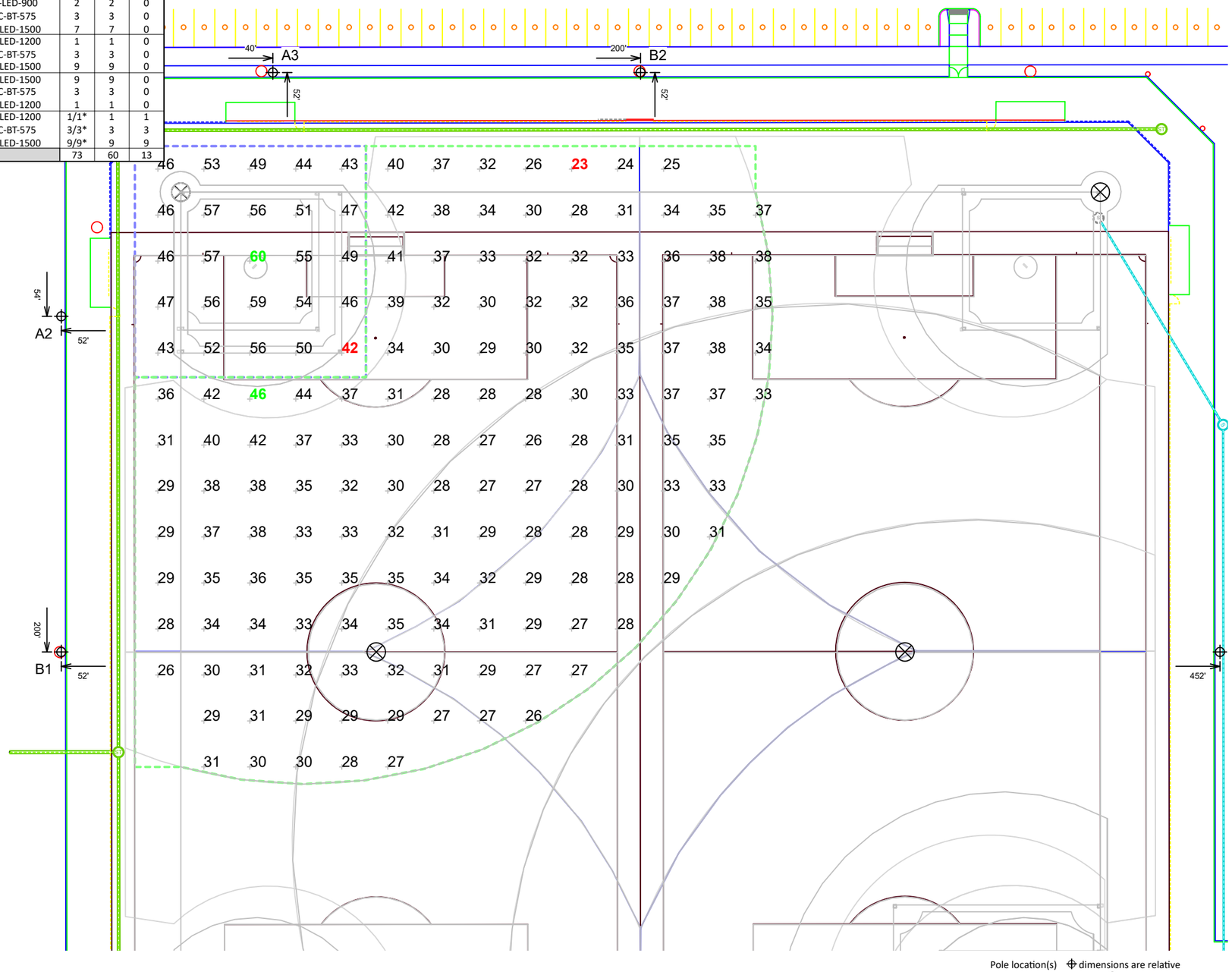
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A2	70'	.28'	70.28'	TLC-LED-900	1	1	0
				15.78'	TLC-BT-575	1	1	0
				70.28'	TLC-LED-1200	2	2	0
1	A3	70'	.28'	70.28'	TLC-LED-900	2	2	0
				15.78'	TLC-BT-575	1	1	0
				70.28'	TLC-LED-1200	1	1	0
1	B1	90'	.28'	90.28'	TLC-LED-1200	1	1	0
				90.28'	TLC-LED-900	2	2	0
				15.78'	TLC-BT-575	3	3	0
				90.28'	TLC-LED-1500	7	7	0
1	B2	90'	.28'	90.28'	TLC-LED-1200	1	1	0
				15.78'	TLC-BT-575	3	3	0
				90.28'	TLC-LED-1500	9	9	0
1	B3	90'	.28'	90.28'	TLC-LED-1500	9	9	0
				15.78'	TLC-BT-575	3	3	0
				90.28'	TLC-LED-1200	1	1	0
1	B6	90'	.28'	90.28'	TLC-LED-1200	1/1*	1	1
				15.78'	TLC-BT-575	3/3*	3	3
				90.28'	TLC-LED-1500	9/9*	9	9
6	TOTALS					73	60	13

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 1**
Size:	250'/280'/250' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.6	32.2
Maximum:	60	46
Minimum:	42	23
Avg / Min:	1.20	1.40
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.43	1.97
UG (adjacent pts):	1.24	1.35
CU:	0.31	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	A, B, E, H, K, L
No. of Luminaires:	**60**
Total Load:	69.31 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

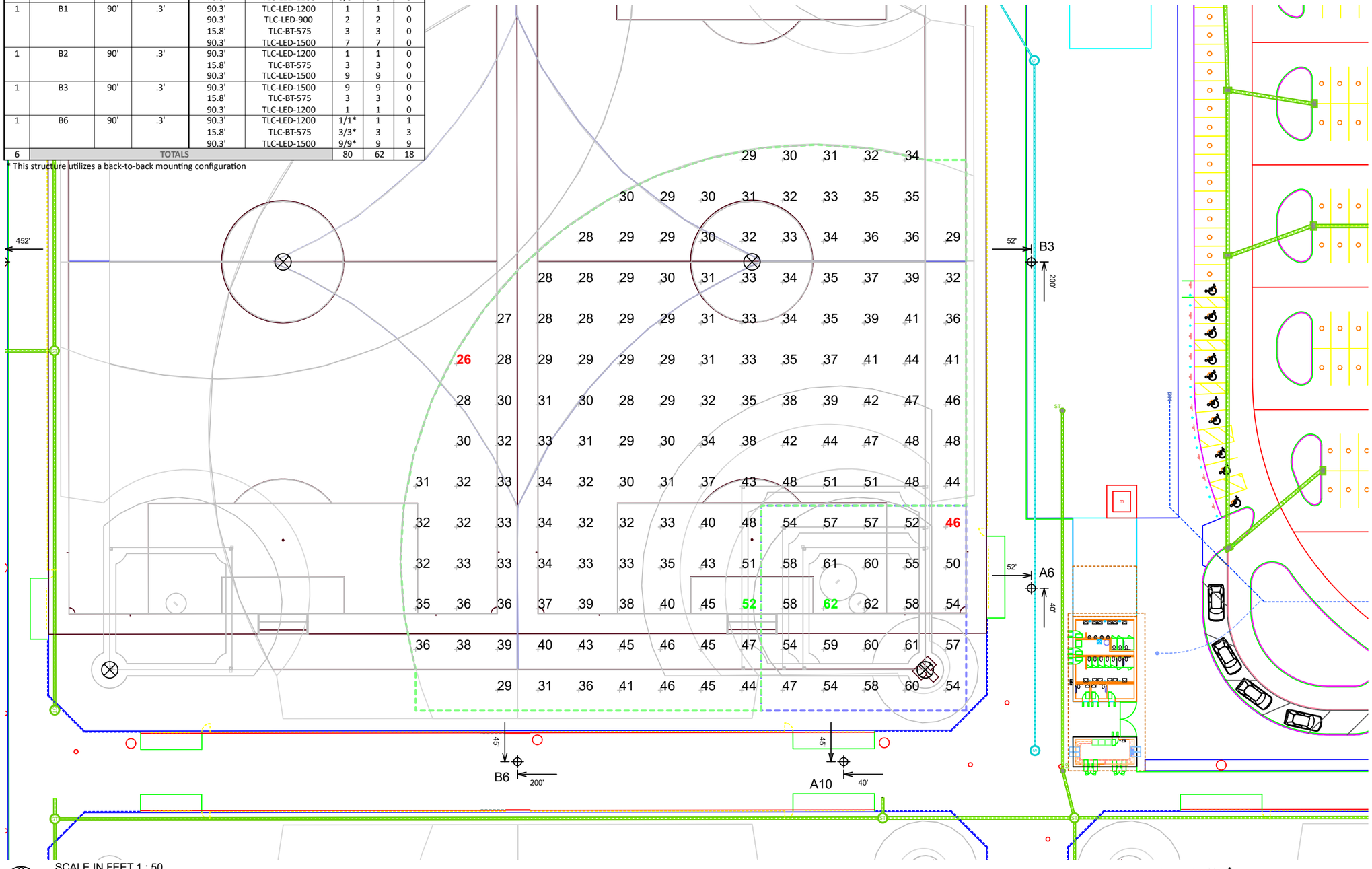
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A6	70'	.3'	70.3'	TLC-LED-1500	1	1	0
				15.8'	TLC-BT-575	1	1	0
				70.3'	TLC-LED-1200	3	3	0
1	A10	70'	.3'	70.3'	TLC-LED-1500	1/1*	1	1
				15.8'	TLC-BT-575	1/1*	1	1
				70.3'	TLC-LED-1200	3/3*	3	3
1	B1	90'	.3'	90.3'	TLC-LED-1200	1	1	0
				90.3'	TLC-LED-900	2	2	0
				15.8'	TLC-BT-575	3	3	0
				90.3'	TLC-LED-1500	7	7	0
1	B2	90'	.3'	90.3'	TLC-LED-1200	1	1	0
				15.8'	TLC-BT-575	3	3	0
				90.3'	TLC-LED-1500	9	9	0
1	B3	90'	.3'	90.3'	TLC-LED-1500	9	9	0
				15.8'	TLC-BT-575	3	3	0
				90.3'	TLC-LED-1200	1	1	0
1	B6	90'	.3'	90.3'	TLC-LED-1200	1/1*	1	1
				15.8'	TLC-BT-575	3/3*	3	3
				90.3'	TLC-LED-1500	9/9*	9	9
6	TOTALS					80	62	18

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 2**
Size:	250'/280'/250' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	56.3	35.5
Maximum:	62	52
Minimum:	46	26
Avg / Min:	1.21	1.37
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.34	1.99
UG (adjacent pts):	1.15	1.37
CU:	0.33	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	B, E, F, G, H, K
No. of Luminaires:	**62**
Total Load:	73.01 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

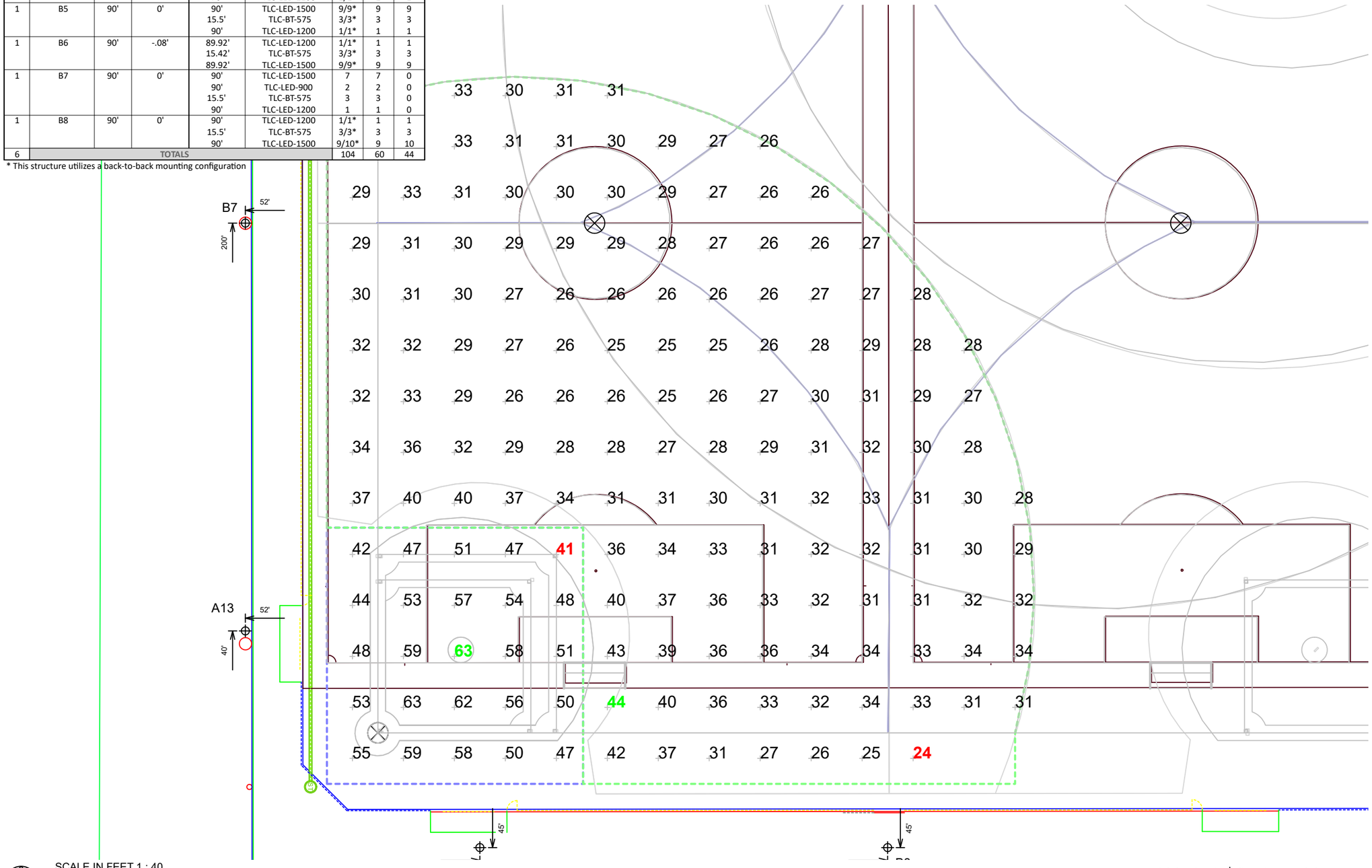
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A13	70'	0'	70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	2	2	0
1	A14	70'	0'	70'	TLC-LED-900	1/1*	1	1
				15.5'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1200	2/2*	2	2
1	B5	90'	0'	90'	TLC-LED-1500	9/9*	9	9
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B6	90'	-.08'	89.92'	TLC-LED-1200	1/1*	1	1
				15.42'	TLC-BT-575	3/3*	3	3
				89.92'	TLC-LED-1500	9/9*	9	9
1	B7	90'	0'	90'	TLC-LED-1500	7	7	0
				90'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
1	B8	90'	0'	90'	TLC-LED-1200	1/1*	1	1
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1500	9/10*	9	10
6	TOTALS					104	60	44

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 3**
Size:	250'/280'/250' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	52.6	30.6
Maximum:	63	44
Minimum:	41	24
Avg / Min:	1.29	1.26
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.56	1.82
UG (adjacent pts):	1.22	1.36
CU:	0.30	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	N, Q, T, U, V, W
No. of Luminaires:	**60**
Total Load:	69.59 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

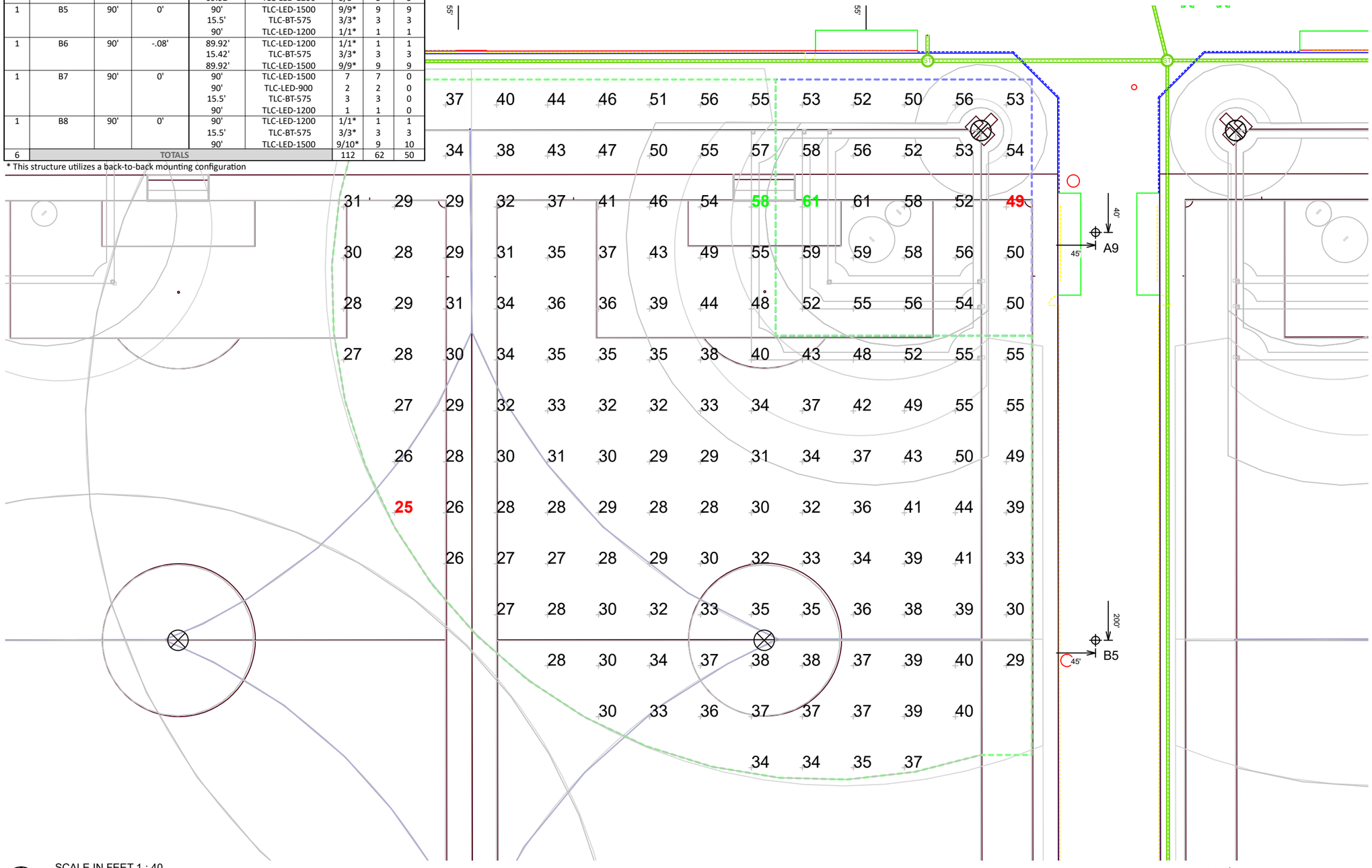
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A9	70'	0'	70'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1500	1/1*	1	1
1	A10	70'	-.08'	69.92'	TLC-LED-1500	1/1*	1	1
				15.42'	TLC-BT-575	1/1*	1	1
				69.92'	TLC-LED-1200	3/3*	3	3
1	B5	90'	0'	90'	TLC-LED-1500	9/9*	9	9
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B6	90'	-.08'	89.92'	TLC-LED-1200	1/1*	1	1
				15.42'	TLC-BT-575	3/3*	3	3
				89.92'	TLC-LED-1500	9/9*	9	9
1	B7	90'	0'	90'	TLC-LED-1500	7	7	0
				90'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
1	B8	90'	0'	90'	TLC-LED-1200	1/1*	1	1
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1500	9/10*	9	10
6	TOTALS					112	62	50

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 4**
Size:	245'/280'/245' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	54.7	36.7
Maximum:	61	58
Minimum:	49	25
Avg / Min:	1.11	1.46
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.24	2.32
UG (adjacent pts):	1.14	1.40
CU:	0.33	
No. of Points:	25	140

LUMINAIRE INFORMATION

Applied Circuits:	N, O, P, Q, T, W
No. of Luminaires:	**62**
Total Load:	73.01 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

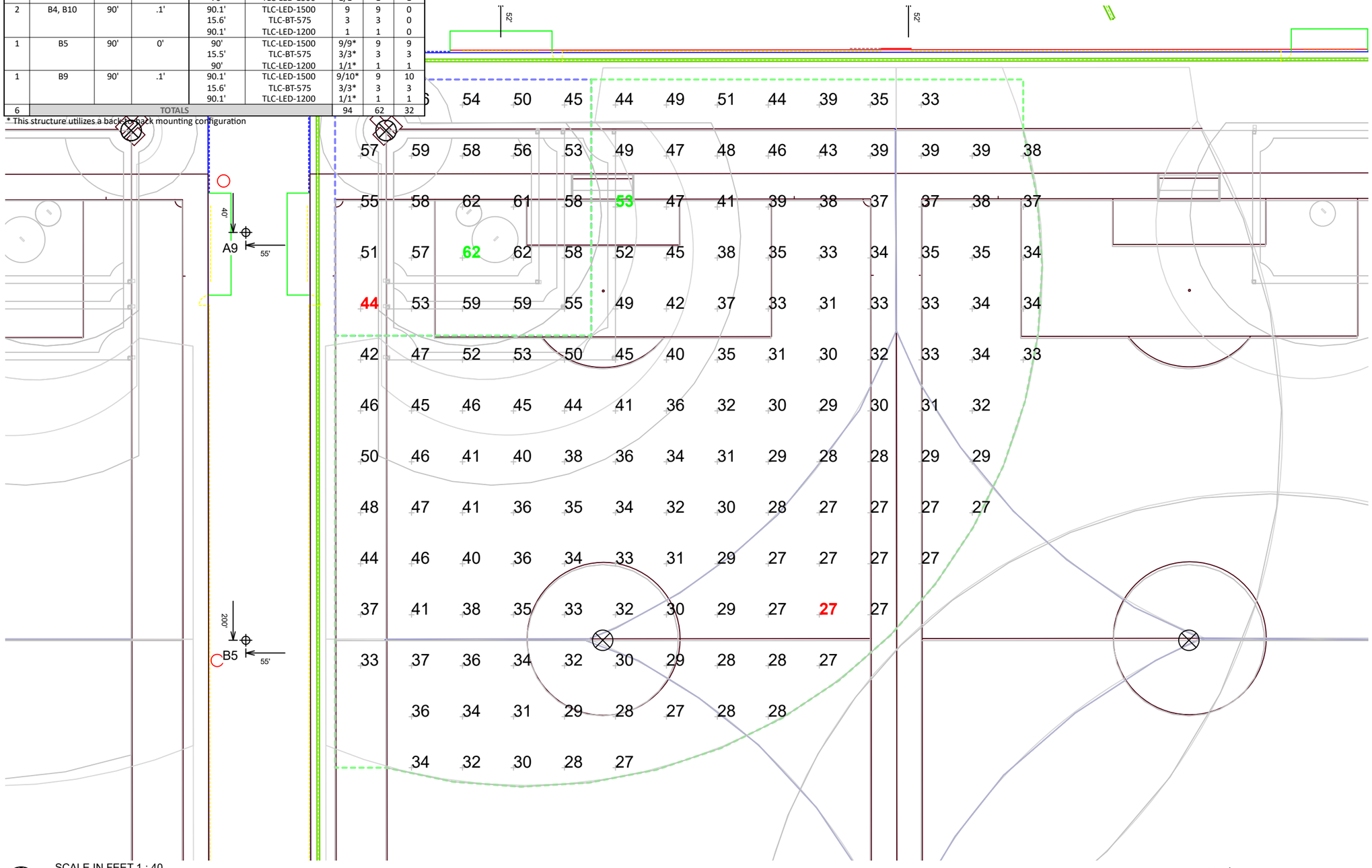
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A8	70'	.1'	70.1'	TLC-LED-1500	1	1	0
				15.6'	TLC-BT-575	1	1	0
				70.1'	TLC-LED-1200	3	3	0
1	A9	70'	0'	70'	TLC-LED-1200	3/3*	3	3
				15.5'	TLC-BT-575	1/1*	1	1
				70'	TLC-LED-1500	1/1*	1	1
2	B4, B10	90'	.1'	90.1'	TLC-LED-1500	9	9	0
				15.6'	TLC-BT-575	3	3	0
				90.1'	TLC-LED-1200	1	1	0
1	B5	90'	0'	90'	TLC-LED-1500	9/9*	9	9
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B9	90'	.1'	90.1'	TLC-LED-1500	9/10*	9	10
				15.6'	TLC-BT-575	3/3*	3	3
				90.1'	TLC-LED-1200	1/1*	1	1
6	TOTALS					94	62	32

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 5**
Size:	250'/280'/250' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	55.8	36.1
Maximum:	62	53
Minimum:	44	27
Avg / Min:	1.27	1.35
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.42	1.99
UG (adjacent pts):	1.20	1.19
CU:	0.33	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	AC, AF, AI, AJ, Y, Z
No. of Luminaires:	**62**
Total Load:	74.09 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

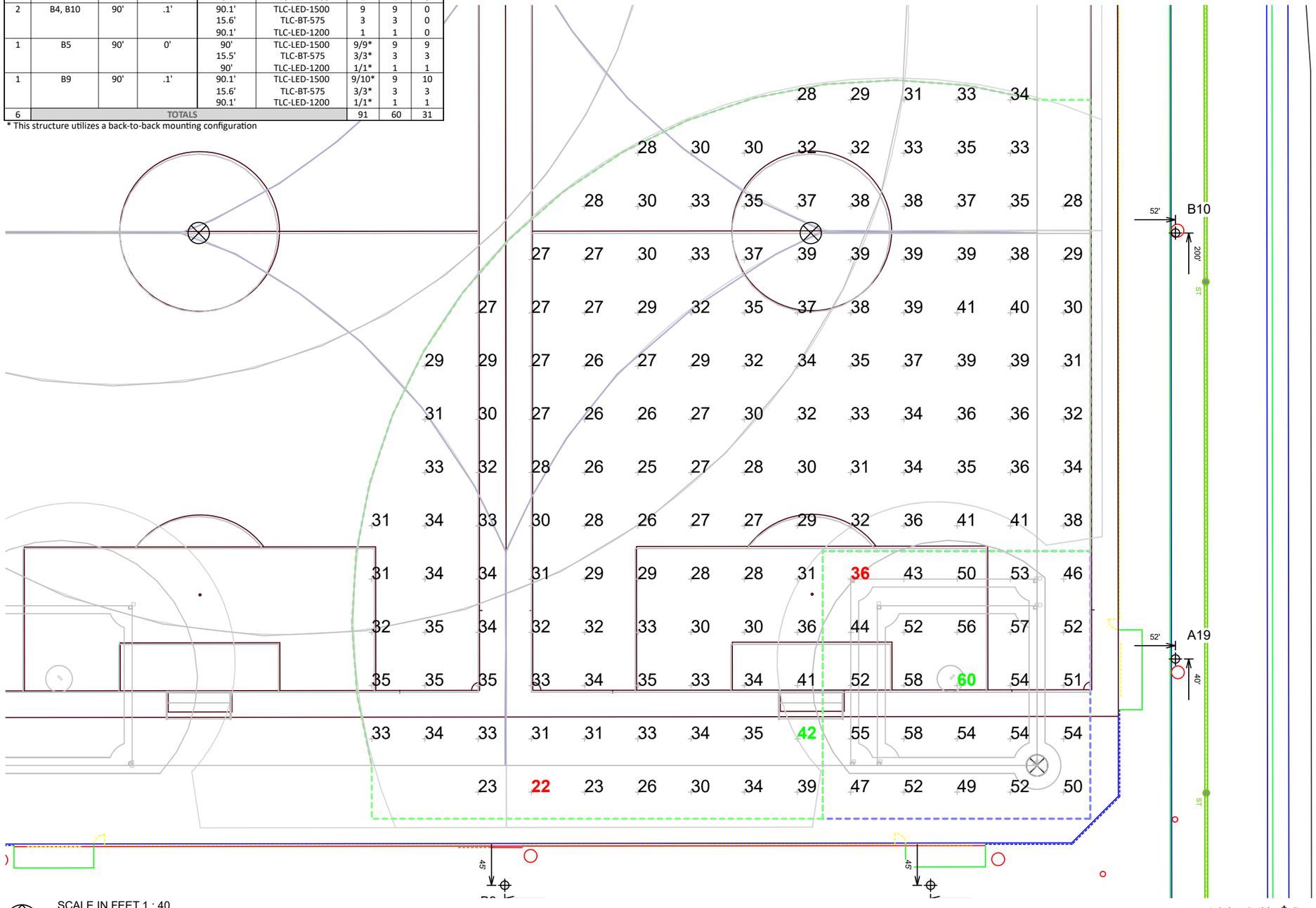
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A18	70'	.1'	70.1'	TLC-LED-900	1/1*	1	1
				15.6'	TLC-BT-575	1/1*	1	1
				70.1'	TLC-LED-1200	2/2*	2	2
1	A19	70'	.1'	70.1'	TLC-LED-900	1	1	0
				15.6'	TLC-BT-575	1	1	0
				70.1'	TLC-LED-1200	2	2	0
2	B4, B10	90'	.1'	90.1'	TLC-LED-1500	9	9	0
				15.6'	TLC-BT-575	3	3	0
				90.1'	TLC-LED-1200	1	1	0
1	B5	90'	0'	90'	TLC-LED-1500	9/9*	9	9
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
1	B9	90'	.1'	90.1'	TLC-LED-1500	9/10*	9	10
				15.6'	TLC-BT-575	3/3*	3	3
				90.1'	TLC-LED-1200	1/1*	1	1
6	TOTALS					91	60	31

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 6**
Size:	250'/280'/250' - basepath 70'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.6	32.3
Maximum:	60	42
Minimum:	36	22
Avg / Min:	1.42	1.48
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.64	1.93
UG (adjacent pts):	1.22	1.45
CU:	0.31	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	AC, AD, AE, AF, AI, Z
No. of Luminaires:	**60**
Total Load:	70.67 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

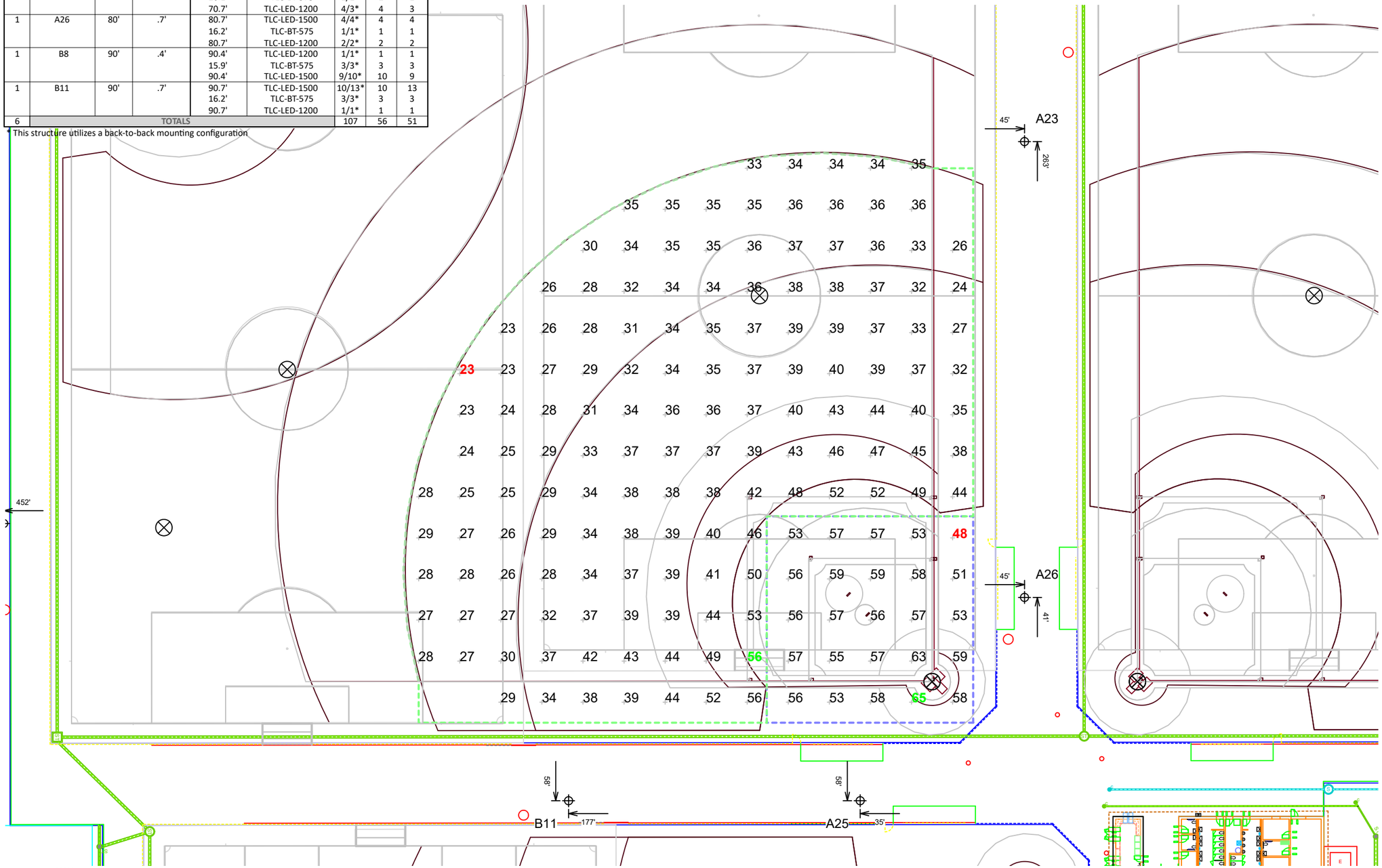
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A21	80'	.7'	16.2'	TLC-BT-575	3	3	0
				80.7'	TLC-LED-1500	5	5	0
1	A23	80'	.7'	16.2'	TLC-BT-575	3/3*	3	3
				80.7'	TLC-LED-1500	5/5*	5	5
1	A25	70'	.7'	70.7'	TLC-LED-1500	1*	0	1
				16.2'	TLC-BT-575	1/2*	1	2
				70.7'	TLC-LED-1200	4/3*	4	3
1	A26	80'	.7'	80.7'	TLC-LED-1500	4/4*	4	4
				16.2'	TLC-BT-575	1/1*	1	1
				80.7'	TLC-LED-1200	2/2*	2	2
1	B8	90'	.4'	90.4'	TLC-LED-1200	1/1*	1	1
				15.9'	TLC-BT-575	3/3*	3	3
				90.4'	TLC-LED-1500	9/10*	10	9
1	B11	90'	.7'	90.7'	TLC-LED-1500	10/13*	10	13
				16.2'	TLC-BT-575	3/3*	3	3
				90.7'	TLC-LED-1200	1/1*	1	1
6	TOTALS					107	56	51

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 7**
Size:	250'/280'/250' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	56.5	35.5
Maximum:	65	56
Minimum:	48	23
Avg / Min:	1.17	1.55
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.35	2.44
UG (adjacent pts):	1.14	1.32
CU:	0.36	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	AL, AM, AN, AO, AP, AQ
No. of Luminaires:	**56**
Total Load:	66.03 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

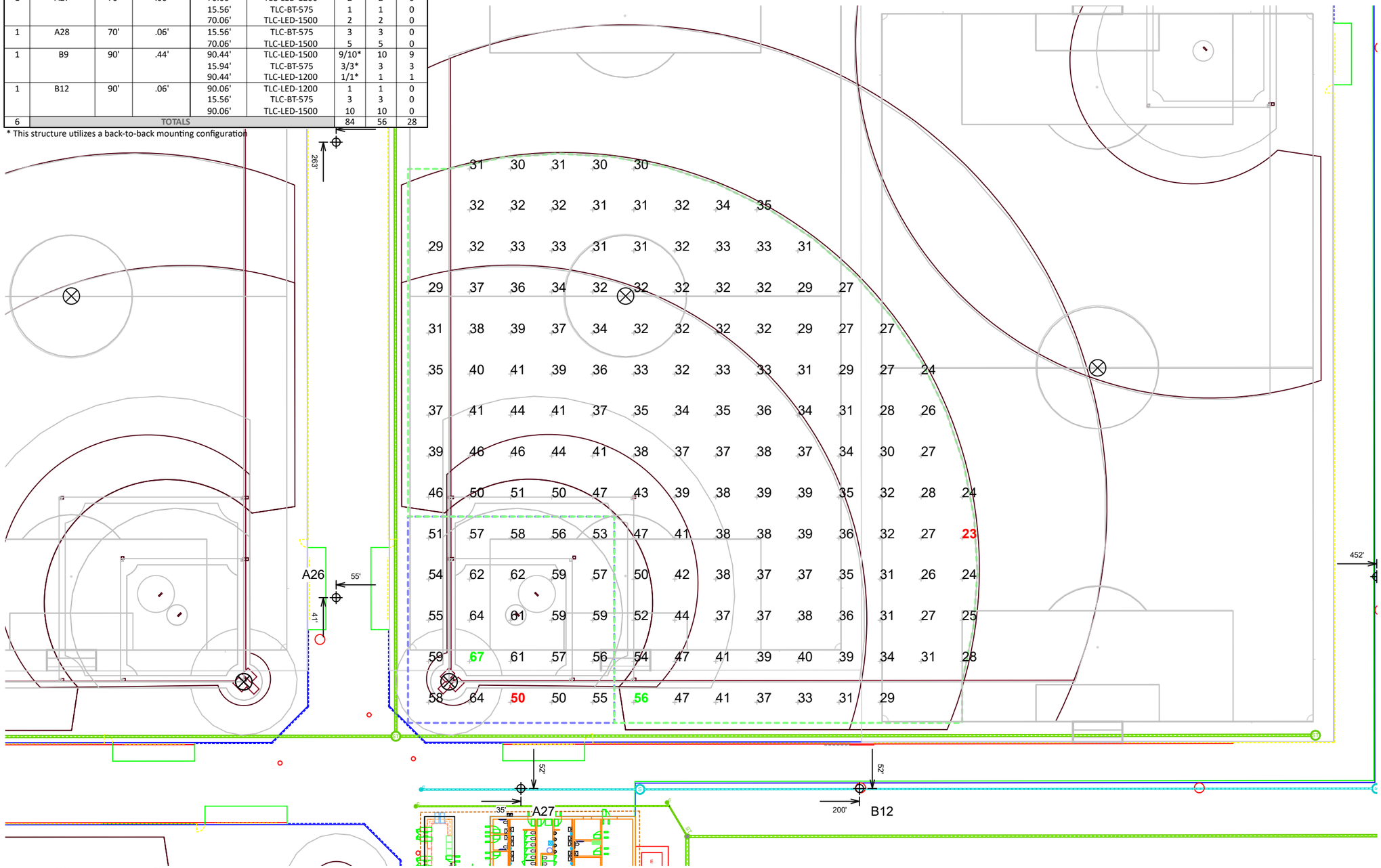
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	.64'	16.14'	TLC-BT-575	3/3*	3	3
				80.64'	TLC-LED-1500	5/5*	5	5
1	A26	80'	.64'	80.64'	TLC-LED-1500	4/4*	4	4
				16.14'	TLC-BT-575	1/1*	1	1
				80.64'	TLC-LED-1200	2/2*	2	2
1	A27	70'	.06'	70.06'	TLC-LED-1200	2	2	0
				15.56'	TLC-BT-575	1	1	0
				70.06'	TLC-LED-1500	2	2	0
1	A28	70'	.06'	15.56'	TLC-BT-575	3	3	0
				70.06'	TLC-LED-1500	5	5	0
1	B9	90'	.44'	90.44'	TLC-LED-1500	9/10*	10	9
				15.94'	TLC-BT-575	3/3*	3	3
				90.44'	TLC-LED-1200	1/1*	1	1
1	B12	90'	.06'	90.06'	TLC-LED-1200	1	1	0
				15.56'	TLC-BT-575	3	3	0
				90.06'	TLC-LED-1500	10	10	0
6	TOTALS					84	56	28

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 8**
Size:	250'/280'/250' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	57.7	35.3
Maximum:	67	56
Minimum:	50	23
Avg / Min:	1.16	1.51
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.34	2.39
UG (adjacent pts):	1.28	1.27
CU:	0.36	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	AS, AV, AW, AX, AY, AZ
No. of Luminaires:	**56**
Total Load:	66.55 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

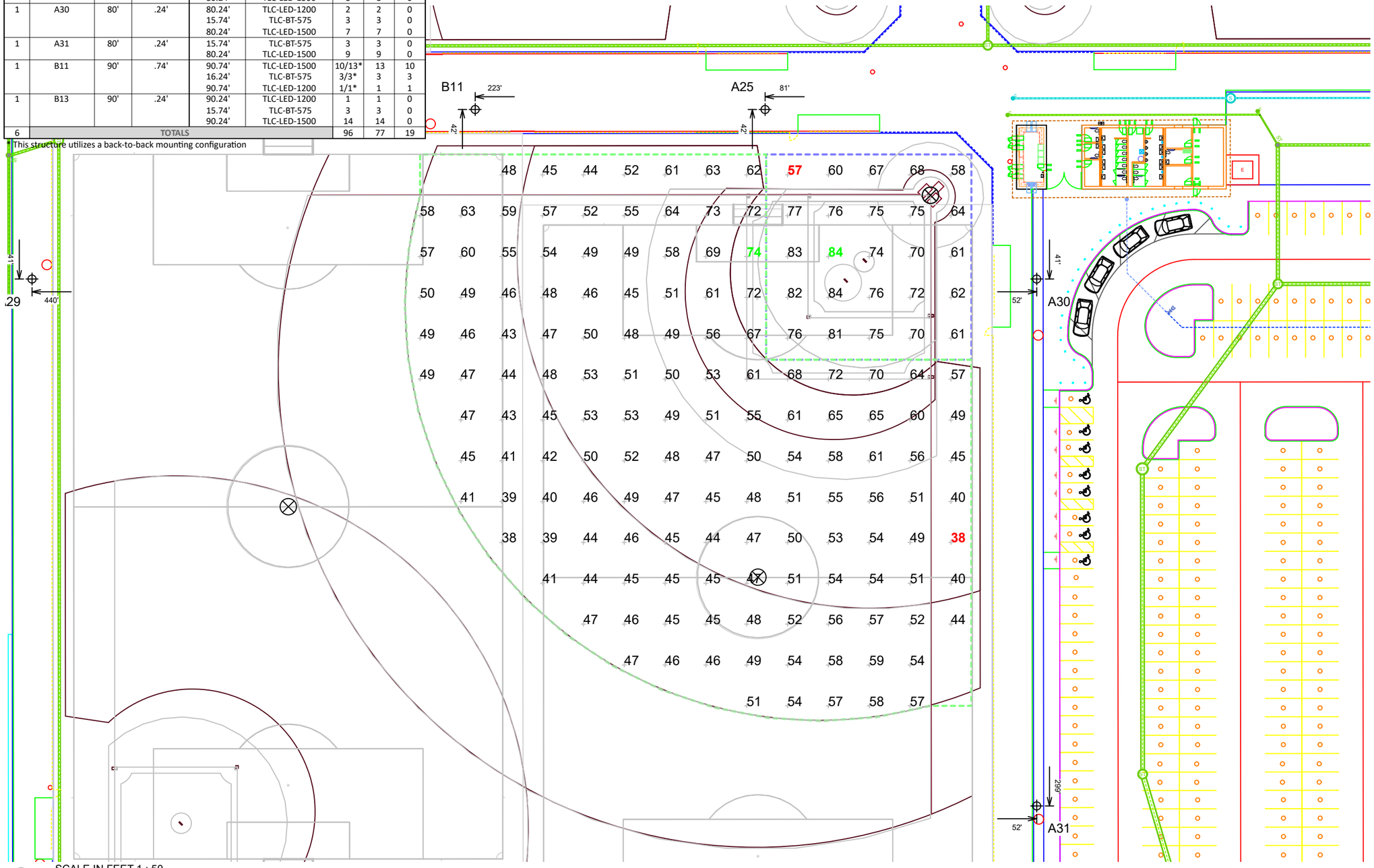
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A25	70'	.74'	70.74'	TLC-LED-1500	1*	1	0
				16.24'	TLC-BT-575	1/2*	2	1
				70.74'	TLC-LED-1200	4/3*	3	4
1	A29	80'	.24'	80.24'	TLC-LED-1200	1	1	0
				15.74'	TLC-BT-575	3	3	0
				80.24'	TLC-LED-1500	8	8	0
1	A30	80'	.24'	80.24'	TLC-LED-1200	2	2	0
				15.74'	TLC-BT-575	3	3	0
				80.24'	TLC-LED-1500	7	7	0
1	A31	80'	.24'	15.74'	TLC-BT-575	3	3	0
				80.24'	TLC-LED-1500	9	9	0
1	B11	90'	.74'	90.74'	TLC-LED-1500	10/13*	13	10
				16.24'	TLC-BT-575	3/3*	3	3
				90.74'	TLC-LED-1200	1/1*	1	1
1	B13	90'	.24'	90.24'	TLC-LED-1200	1	1	0
				15.74'	TLC-BT-575	3	3	0
				90.24'	TLC-LED-1500	14	14	0
6	TOTALS					96	77	19

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Softball 9**
Size:	250'/280'/250' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	71.5	51.9
Maximum:	84	74
Minimum:	57	38
Avg / Min:	1.25	1.38
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.47	1.98
UG (adjacent pts):	1.34	1.31
CU:	0.36	
No. of Points:	25	142

LUMINAIRE INFORMATION

Applied Circuits:	BA, BB, BC, BD, BE, BH
No. of Luminaires:	**77**
Total Load:	93.5 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

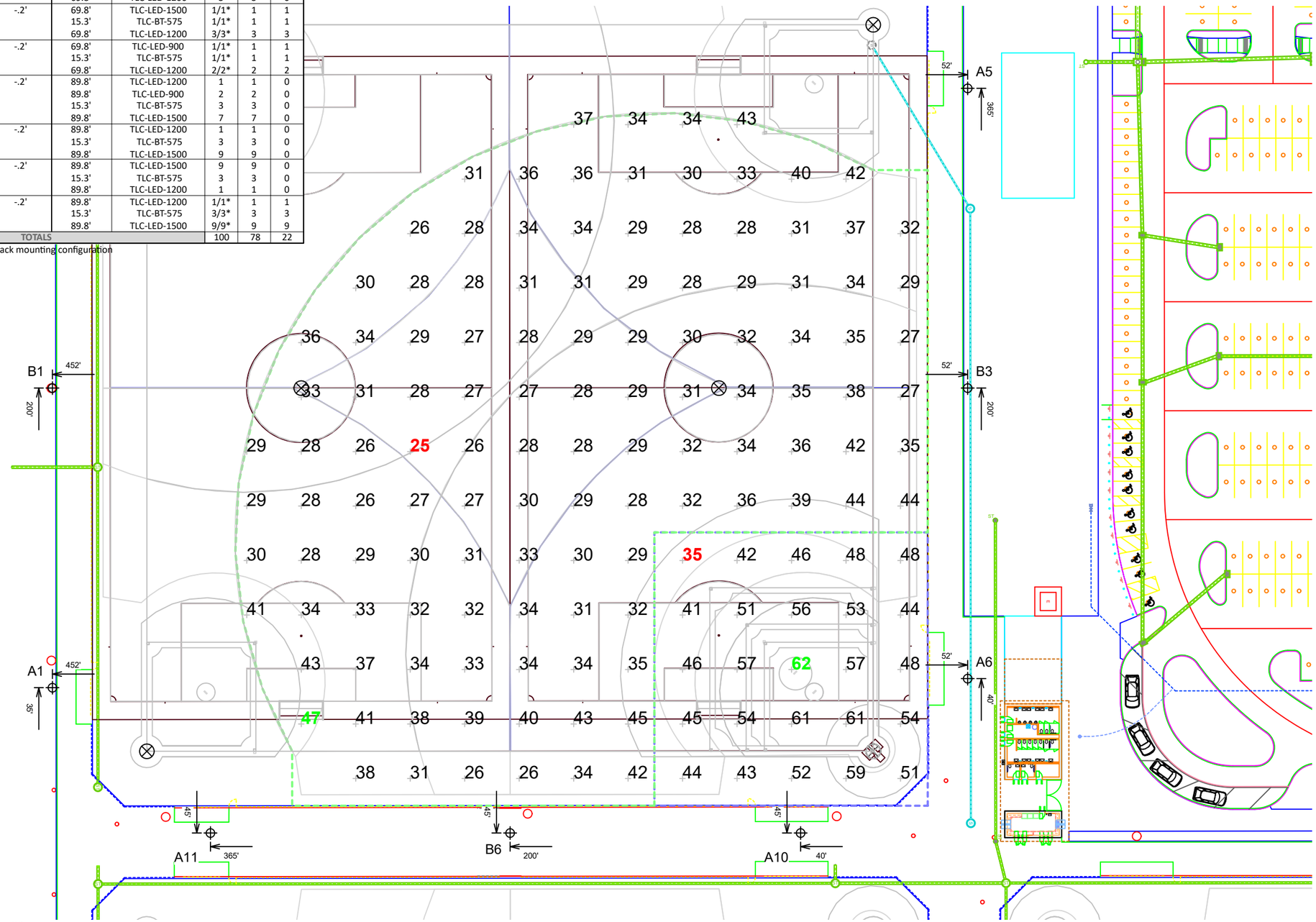
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
3	A1, A4-A5	70'	-.2'	69.8'	TLC-LED-900	1	1	0
				15.3'	TLC-BT-575	1	1	0
				69.8'	TLC-LED-1200	2	2	0
1	A6	70'	-.2'	69.8'	TLC-LED-1500	1	1	0
				15.3'	TLC-BT-575	1	1	0
				69.8'	TLC-LED-1200	3	3	0
1	A10	70'	-.2'	69.8'	TLC-LED-1500	1/1*	1	1
				15.3'	TLC-BT-575	1/1*	1	1
				69.8'	TLC-LED-1200	3/3*	3	3
1	A11	70'	-.2'	69.8'	TLC-LED-900	1/1*	1	1
				15.3'	TLC-BT-575	1/1*	1	1
				69.8'	TLC-LED-1200	2/2*	2	2
1	B1	90'	-.2'	89.8'	TLC-LED-1200	1	1	0
				89.8'	TLC-LED-900	2	2	0
				15.3'	TLC-BT-575	3	3	0
				89.8'	TLC-LED-1500	7	7	0
1	B2	90'	-.2'	89.8'	TLC-LED-1200	1	1	0
				15.3'	TLC-BT-575	3	3	0
				89.8'	TLC-LED-1500	9	9	0
1	B3	90'	-.2'	89.8'	TLC-LED-1500	9	9	0
				15.3'	TLC-BT-575	3	3	0
				89.8'	TLC-LED-1200	1	1	0
1	B6	90'	-.2'	89.8'	TLC-LED-1200	1/1*	1	1
				15.3'	TLC-BT-575	3/3*	3	3
				89.8'	TLC-LED-1500	9/9*	9	9
10	TOTALS					100	78	22

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 1**
Size:	320'/400'/320' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.2	32.5
Maximum:	62	47
Minimum:	35	25
Avg / Min:	1.42	1.28
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.76	1.86
UG (adjacent pts):	1.26	1.50
CU:	0.48	
No. of Points:	25	119

LUMINAIRE INFORMATION

Applied Circuits:	B, C, D, E, F, G, H, I, J, K
No. of Luminaires:	**78**
Total Load:	88.23 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

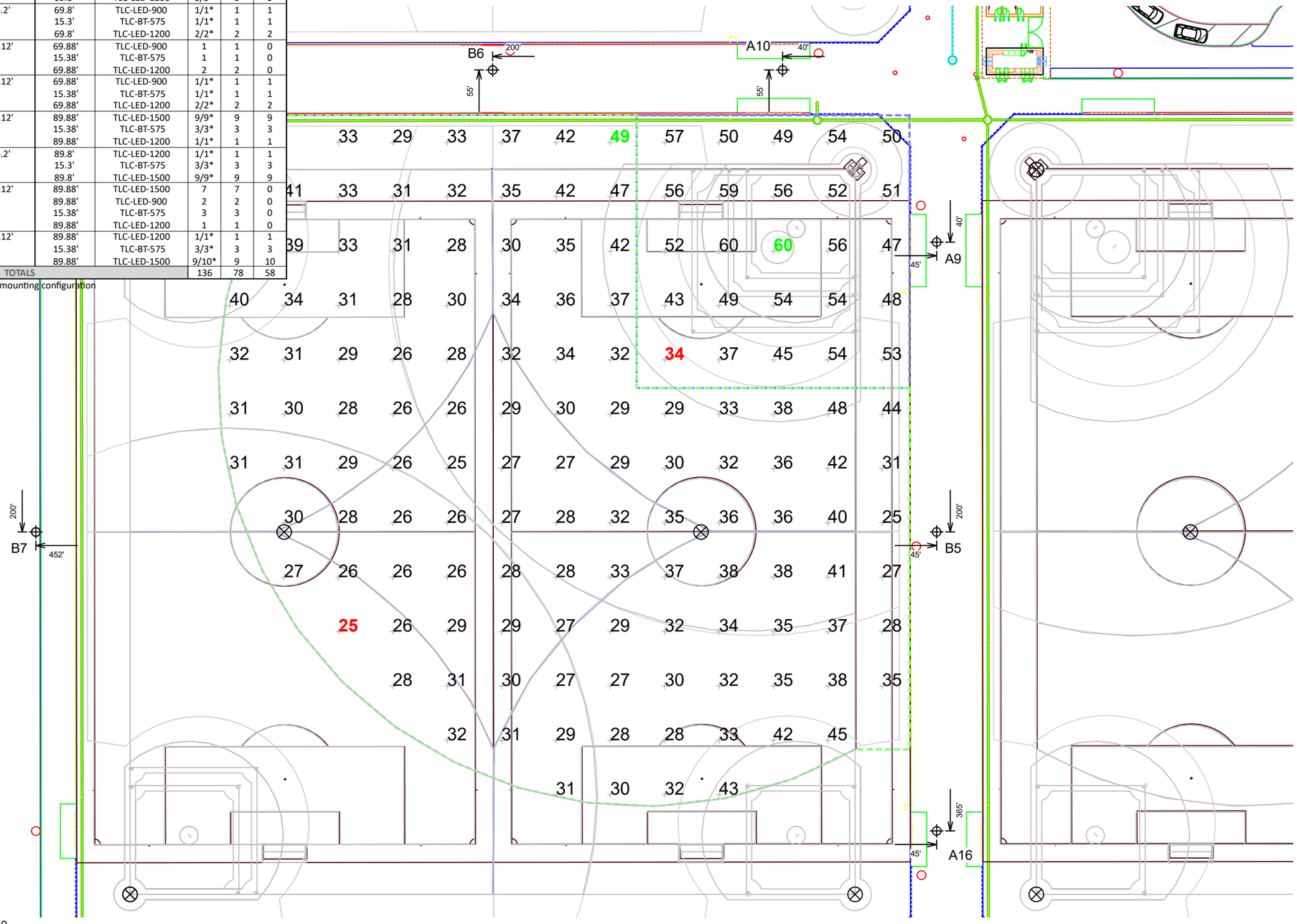
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A9	70'	-.12'	69.88'	TLC-LED-1200	3/3*	3	3
				15.38'	TLC-BT-575	1/1*	1	1
				69.88'	TLC-LED-1500	1/1*	1	1
1	A10	70'	-.2'	69.8'	TLC-LED-1500	1/1*	1	1
				15.3'	TLC-BT-575	1/1*	1	1
				69.8'	TLC-LED-1200	3/3*	3	3
1	A11	70'	-.2'	69.8'	TLC-LED-900	1/1*	1	1
				15.3'	TLC-BT-575	1/1*	1	1
				69.8'	TLC-LED-1200	2/2*	2	2
2	A12, A15	70'	-.12'	69.88'	TLC-LED-900	1	1	0
				15.38'	TLC-BT-575	1	1	0
				69.88'	TLC-LED-1200	2	2	0
1	A16	70'	-.12'	69.88'	TLC-LED-900	1/1*	1	1
				15.38'	TLC-BT-575	1/1*	1	1
				69.88'	TLC-LED-1200	2/2*	2	2
1	B5	90'	-.12'	89.88'	TLC-LED-1500	9/9*	9	9
				15.38'	TLC-BT-575	3/3*	3	3
				89.88'	TLC-LED-1200	1/1*	1	1
1	B6	90'	-.2'	89.8'	TLC-LED-1200	1/1*	1	1
				15.3'	TLC-BT-575	3/3*	3	3
				89.8'	TLC-LED-1500	9/9*	9	9
1	B7	90'	-.12'	89.88'	TLC-LED-1500	7	7	0
				89.88'	TLC-LED-900	2	2	0
				15.38'	TLC-BT-575	3	3	0
				89.88'	TLC-LED-1200	1	1	0
1	B8	90'	-.12'	89.88'	TLC-LED-1200	1/1*	1	1
				15.38'	TLC-BT-575	3/3*	3	3
				89.88'	TLC-LED-1500	9/10*	9	10
10	TOTALS					136	78	58

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 2**
Size:	320'/400'/320' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.3	32.3
Maximum:	60	49
Minimum:	34	25
Avg / Min:	1.49	1.31
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.75	1.98
UG (adjacent pts):	1.31	1.56
CU:	0.48	
No. of Points:	25	119

LUMINAIRE INFORMATION

Applied Circuits:	M, N, O, P, Q, R, S, T, W, X
No. of Luminaires:	**78**
Total Load:	88.23 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

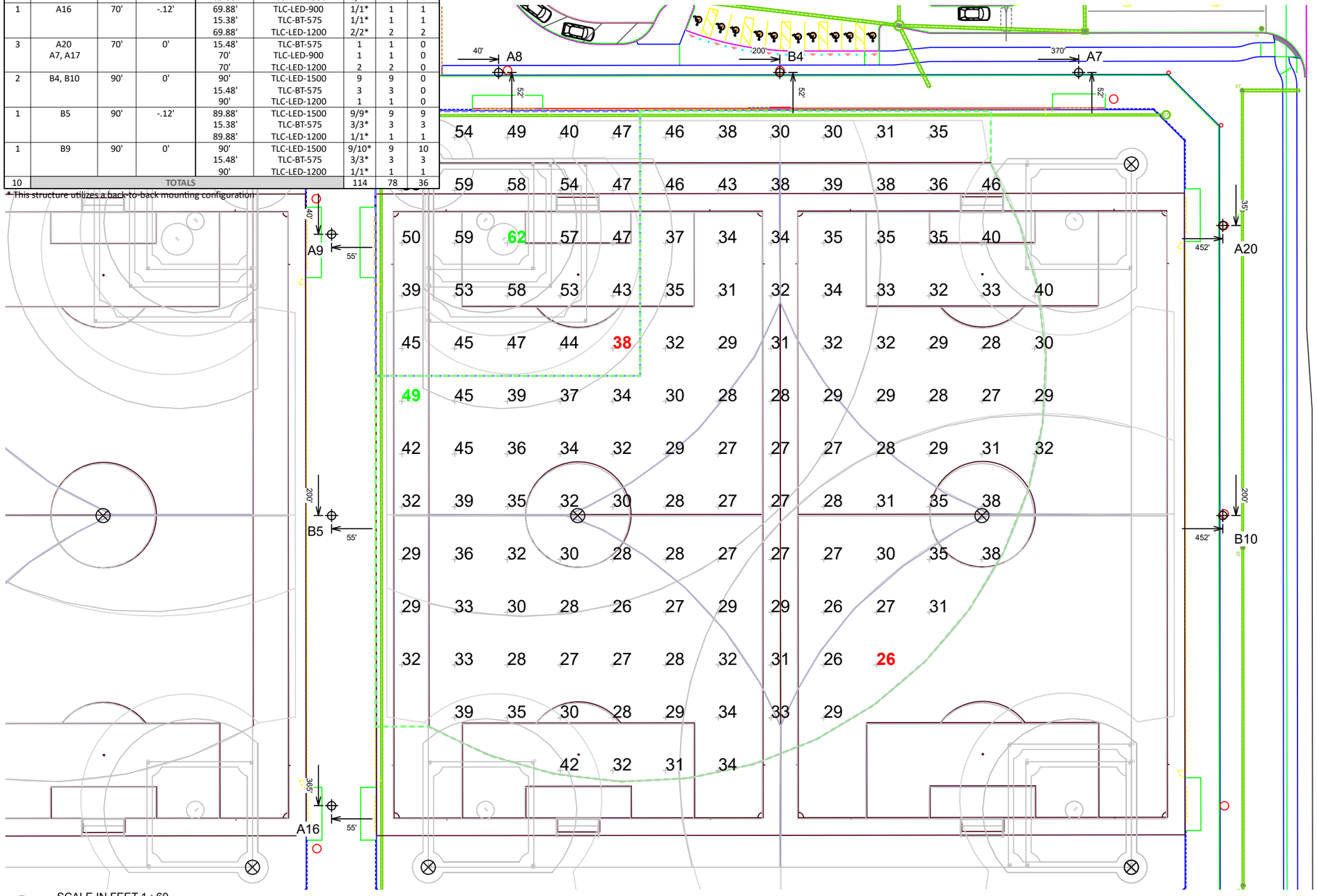
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A8	70'	0'	70'	TLC-LED-1500	1	1	0
				15.48'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	A9	70'	-.12'	69.88'	TLC-LED-1200	3/3*	3	3
				15.38'	TLC-BT-575	1/1*	1	1
				69.88'	TLC-LED-1500	1/1*	1	1
1	A16	70'	-.12'	69.88'	TLC-LED-900	1/1*	1	1
				15.38'	TLC-BT-575	1/1*	1	1
				69.88'	TLC-LED-1200	2/2*	2	2
3	A20	70'	0'	15.48'	TLC-BT-575	1	1	0
	A7, A17			70'	TLC-LED-900	1	1	0
				70'	TLC-LED-1200	2	2	0
2	B4, B10	90'	0'	90'	TLC-LED-1500	9	9	0
				15.48'	TLC-BT-575	3	3	0
				90'	TLC-LED-1200	1	1	0
1	B5	90'	-.12'	89.88'	TLC-LED-1500	9/9*	9	9
				15.38'	TLC-BT-575	3/3*	3	3
				89.88'	TLC-LED-1200	1/1*	1	1
1	B9	90'	0'	90'	TLC-LED-1500	9/10*	9	10
				15.48'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
10	TOTALS					114	78	36

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 3**
Size:	320'/400'/320' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.3	32.4
Maximum:	62	49
Minimum:	38	26
Avg / Min:	1.31	1.27
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.63	1.92
UG (adjacent pts):	1.37	1.37
CU:	0.48	
No. of Points:	25	119

LUMINAIRE INFORMATION

Applied Circuits:	AA, AB, AC, AF, AG, AH, AI, AJ, Y, Z
No. of Luminaires:	**78**
Total Load:	89.31 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

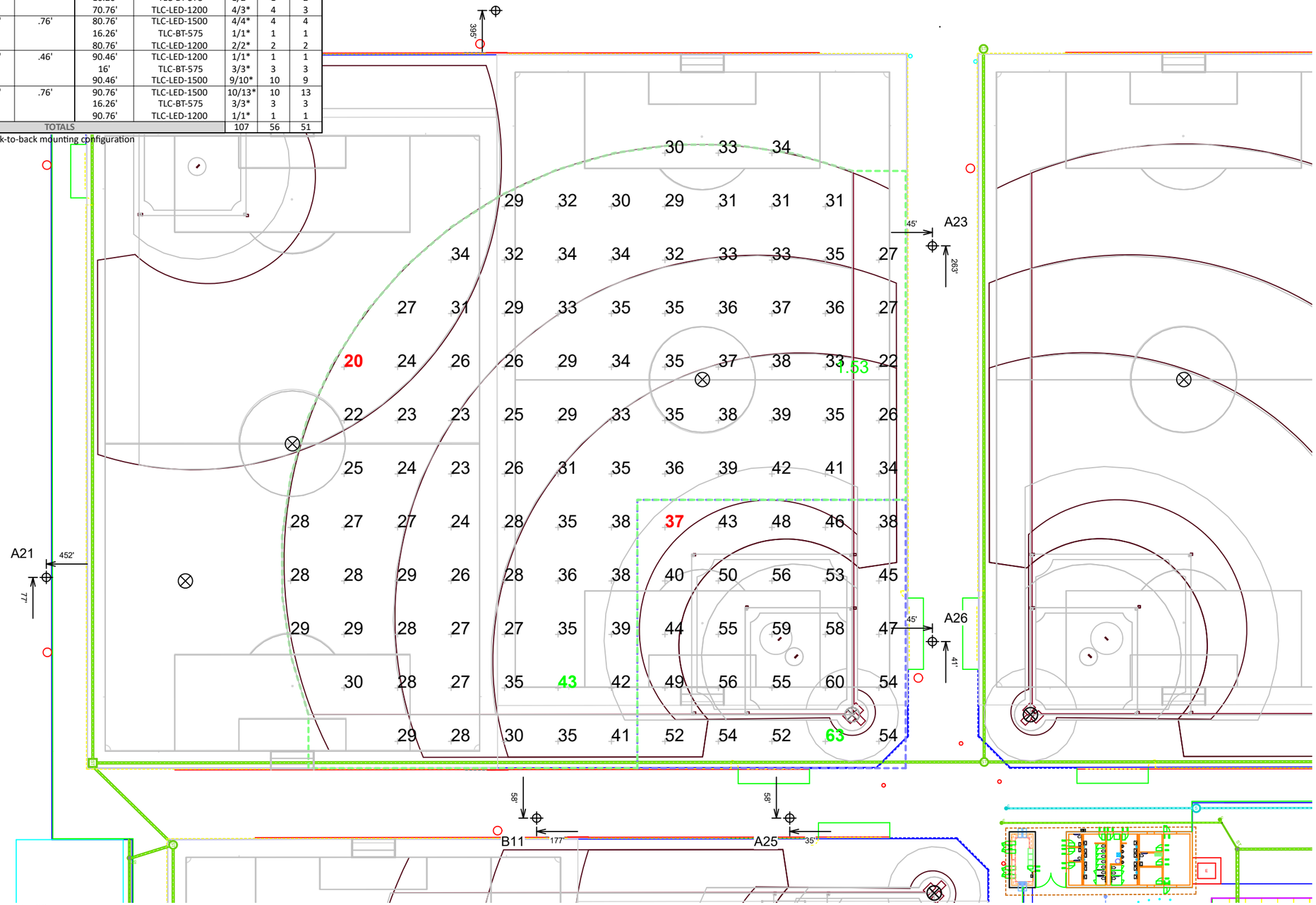
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A21	80'	.76'	16.26'	TLC-BT-575	3	3	0
				80.76'	TLC-LED-1500	5	5	0
1	A23	80'	.76'	16.26'	TLC-BT-575	3/3*	3	3
				80.76'	TLC-LED-1500	5/5*	5	5
1	A25	70'	.76'	70.76'	TLC-LED-1500	1*	0	1
				16.26'	TLC-BT-575	1/2*	1	2
				70.76'	TLC-LED-1200	4/3*	4	3
1	A26	80'	.76'	80.76'	TLC-LED-1500	4/4*	4	4
				16.26'	TLC-BT-575	1/1*	1	1
				80.76'	TLC-LED-1200	2/2*	2	2
1	B8	90'	.46'	90.46'	TLC-LED-1200	1/1*	1	1
				16'	TLC-BT-575	3/3*	3	3
				90.46'	TLC-LED-1500	9/10*	10	9
1	B11	90'	.76'	90.76'	TLC-LED-1500	10/13*	10	13
				16.26'	TLC-BT-575	3/3*	3	3
				90.76'	TLC-LED-1200	1/1*	1	1
6	TOTALS					107	56	51

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 4**
Size:	305'/355'/305' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	50.8	31.3
Maximum:	63	43
Minimum:	37	20
Avg / Min:	1.36	1.54
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.69	2.10
UG (adjacent pts):	1.27	1.53
CU:	0.53	
No. of Points:	25	94

LUMINAIRE INFORMATION

Applied Circuits:	AL, AM, AN, AO, AP, AQ
No. of Luminaires:	**56**
Total Load:	66.03 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

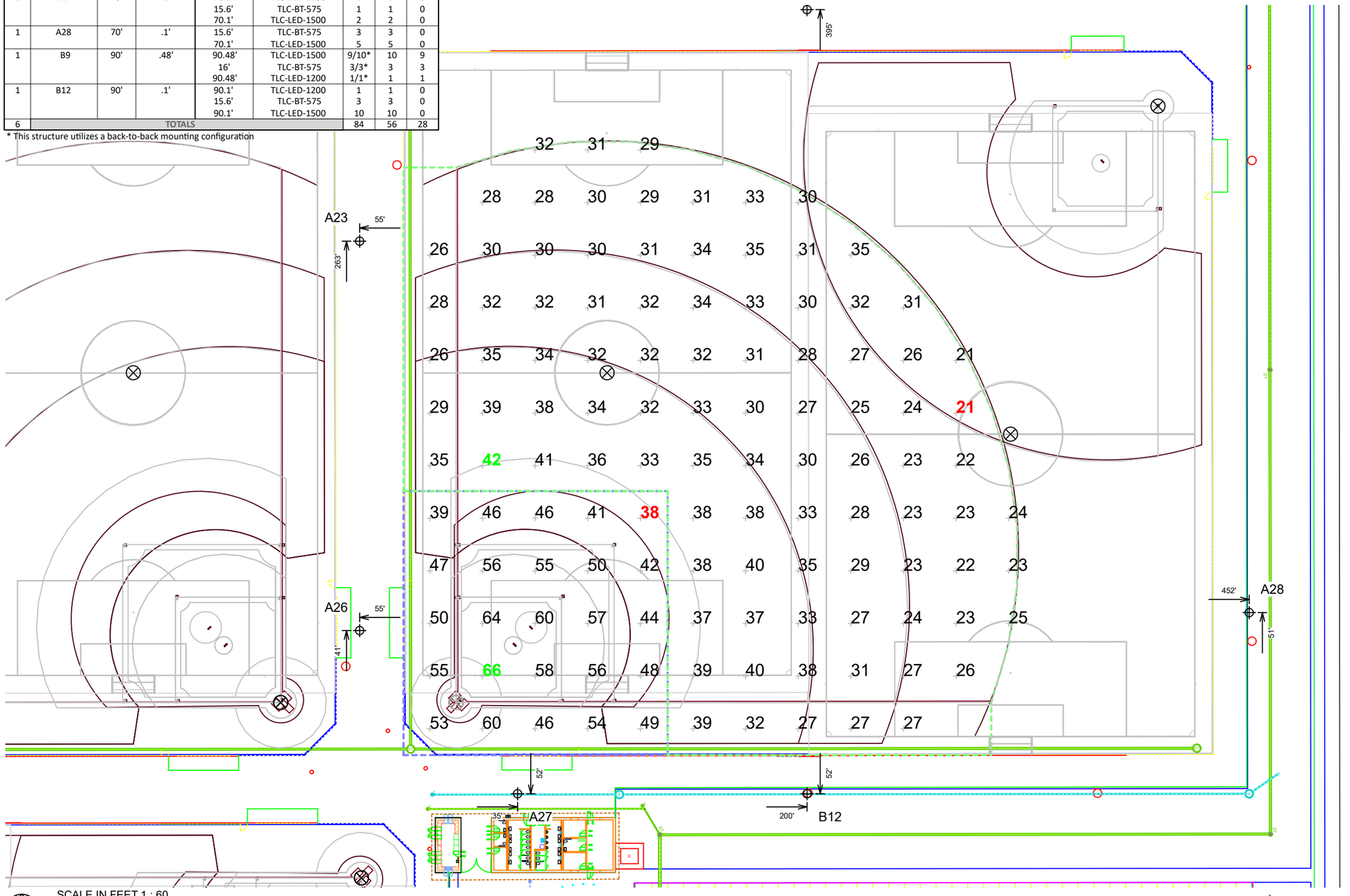
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	.68'	16.18'	TLC-BT-575	3/3*	3	3
				80.68'	TLC-LED-1500	5/5*	5	5
1	A26	80'	.68'	80.68'	TLC-LED-1500	4/4*	4	4
				16.18'	TLC-BT-575	1/1*	1	1
				80.68'	TLC-LED-1200	2/2*	2	2
1	A27	70'	.1'	70.1'	TLC-LED-1200	2	2	0
				15.6'	TLC-BT-575	1	1	0
				70.1'	TLC-LED-1500	2	2	0
1	A28	70'	.1'	15.6'	TLC-BT-575	3	3	0
				70.1'	TLC-LED-1500	5	5	0
1	B9	90'	.48'	90.48'	TLC-LED-1500	9/10*	10	9
				16'	TLC-BT-575	3/3*	3	3
				90.48'	TLC-LED-1200	1/1*	1	1
1	B12	90'	.1'	90.1'	TLC-LED-1200	1	1	0
				15.6'	TLC-BT-575	3	3	0
				90.1'	TLC-LED-1500	10	10	0
6	TOTALS					84	56	28

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 5**
Size:	305'/355'/305' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	51.1	30.7
Maximum:	66	42
Minimum:	38	21
Avg / Min:	1.36	1.47
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.76	2.01
UG (adjacent pts):	1.31	1.40
CU:	0.52	
No. of Points:	25	94

LUMINAIRE INFORMATION

Applied Circuits:	AS, AV, AW, AX, AY, AZ
No. of Luminaires:	**56**
Total Load:	66.55 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

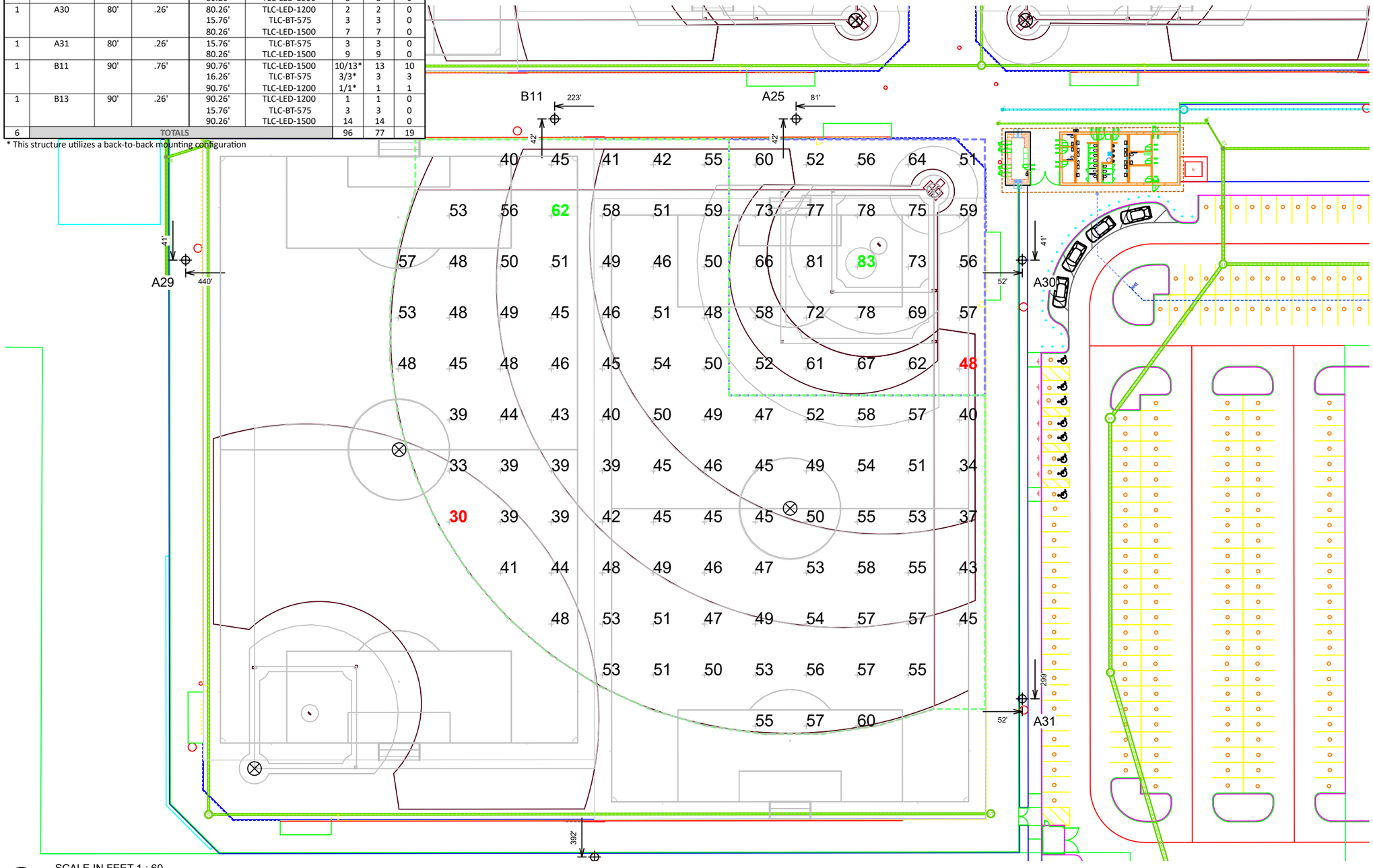
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A25	70'	.76'	70.76'	TLC-LED-1500	1*	1	0
				16.26'	TLC-BT-575	1/2*	2	1
				70.76'	TLC-LED-1200	4/3*	3	4
1	A29	80'	.26'	80.26'	TLC-LED-1200	1	1	0
				15.76'	TLC-BT-575	3	3	0
				80.26'	TLC-LED-1500	8	8	0
1	A30	80'	.26'	80.26'	TLC-LED-1200	2	2	0
				15.76'	TLC-BT-575	3	3	0
				80.26'	TLC-LED-1500	7	7	0
1	A31	80'	.26'	15.76'	TLC-BT-575	3	3	0
				80.26'	TLC-LED-1500	9	9	0
1	B11	90'	.76'	90.76'	TLC-LED-1500	10/13*	13	10
				16.26'	TLC-BT-575	3/3*	3	3
				90.76'	TLC-LED-1200	1/1*	1	1
1	B13	90'	.26'	90.26'	TLC-LED-1200	1	1	0
				15.76'	TLC-BT-575	3	3	0
				90.26'	TLC-LED-1500	14	14	0
6	TOTALS					96	77	19

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 60

0' 60' 120'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Baseball 6**
Size:	305'/355'/305' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	65.3	48.4
Maximum:	83	62
Minimum:	48	30
Avg / Min:	1.36	1.62
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.74	2.08
UG (adjacent pts):	1.50	1.50
CU:	0.55	
No. of Points:	25	94

LUMINAIRE INFORMATION

Applied Circuits:	BA, BB, BC, BD, BE, BH
No. of Luminaires:	**77**
Total Load:	93.5 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

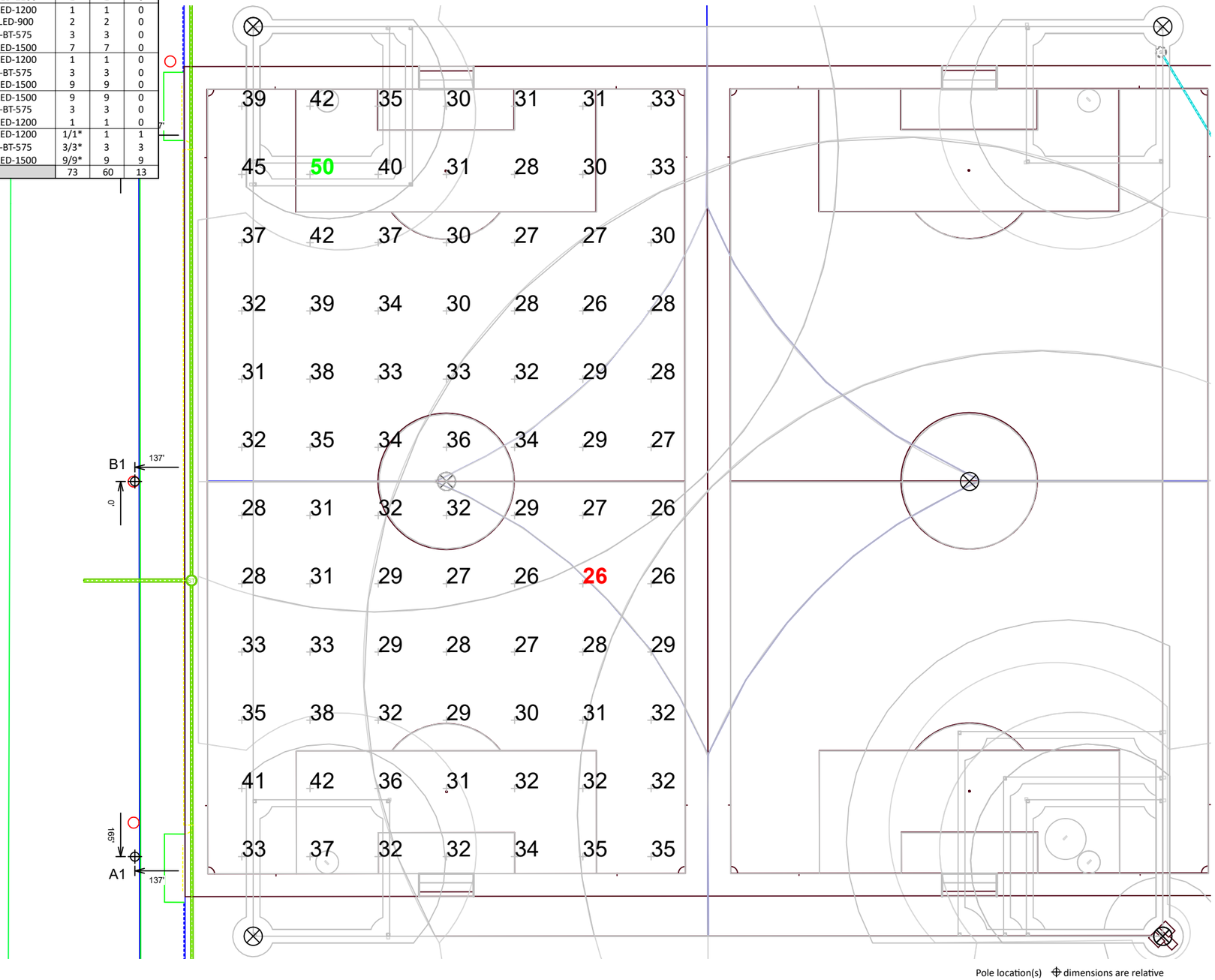
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	70'	.12'	70.12'	TLC-LED-900	1	1	0
				15.62'	TLC-BT-575	1	1	0
				70.12'	TLC-LED-1200	2	2	0
1	A2	70'	.12'	70.12'	TLC-LED-900	1	1	0
				15.62'	TLC-BT-575	1	1	0
				70.12'	TLC-LED-1200	2	2	0
1	B1	90'	.12'	90.12'	TLC-LED-1200	1	1	0
				90.12'	TLC-LED-900	2	2	0
				15.62'	TLC-BT-575	3	3	0
				90.12'	TLC-LED-1500	7	7	0
1	B2	90'	.12'	90.12'	TLC-LED-1200	1	1	0
				15.62'	TLC-BT-575	3	3	0
				90.12'	TLC-LED-1500	9	9	0
1	B3	90'	.12'	90.12'	TLC-LED-1500	9	9	0
				15.62'	TLC-BT-575	3	3	0
				90.12'	TLC-LED-1200	1	1	0
1	B6	90'	.12'	90.12'	TLC-LED-1200	1/1*	1	1
				15.62'	TLC-BT-575	3/3*	3	3
				90.12'	TLC-LED-1500	9/9*	9	9
6	TOTALS					73	60	13

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 1**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	32.3
Maximum:	50
Minimum:	26
Avg / Min:	1.26
Guaranteed Max / Min:	**2.5**
Max / Min:	1.95
UG (adjacent pts):	1.28
CU:	0.33
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	B, E, H, J, K, L
No. of Luminaires:	**60**
Total Load:	69.59 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

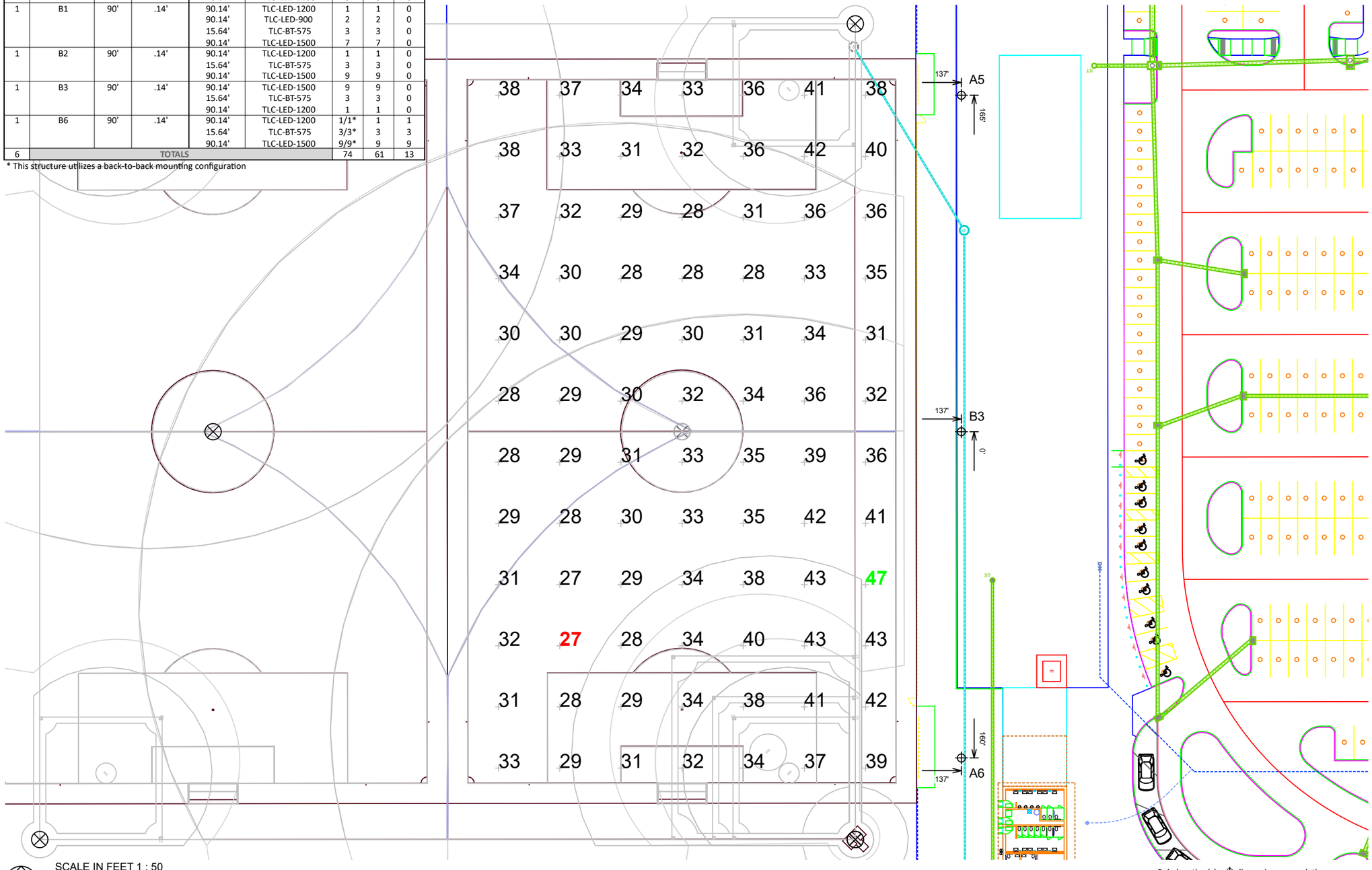
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A5	70'	.14'	70.14'	TLC-LED-900	1	1	0
				15.64'	TLC-BT-575	1	1	0
				70.14'	TLC-LED-1200	2	2	0
1	A6	70'	.14'	70.14'	TLC-LED-1500	1	1	0
				15.64'	TLC-BT-575	1	1	0
				70.14'	TLC-LED-1200	3	3	0
1	B1	90'	.14'	90.14'	TLC-LED-1200	1	1	0
				90.14'	TLC-LED-900	2	2	0
				15.64'	TLC-BT-575	3	3	0
				90.14'	TLC-LED-1500	7	7	0
1	B2	90'	.14'	90.14'	TLC-LED-1200	1	1	0
				15.64'	TLC-BT-575	3	3	0
				90.14'	TLC-LED-1500	9	9	0
1	B3	90'	.14'	90.14'	TLC-LED-1500	9	9	0
				15.64'	TLC-BT-575	3	3	0
				90.14'	TLC-LED-1200	1	1	0
1	B6	90'	.14'	90.14'	TLC-LED-1200	1/1*	1	1
				15.64'	TLC-BT-575	3/3*	3	3
				90.14'	TLC-LED-1500	9/9*	9	9
6	TOTALS					74	61	13

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 2**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.7
Maximum:	47
Minimum:	27
Avg / Min:	1.24
Guaranteed Max / Min:	**2.5**
Max / Min:	1.73
UG (adjacent pts):	1.21
CU:	0.33
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	B, D, E, F, H, K
No. of Luminaires:	**61**
Total Load:	71.3 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

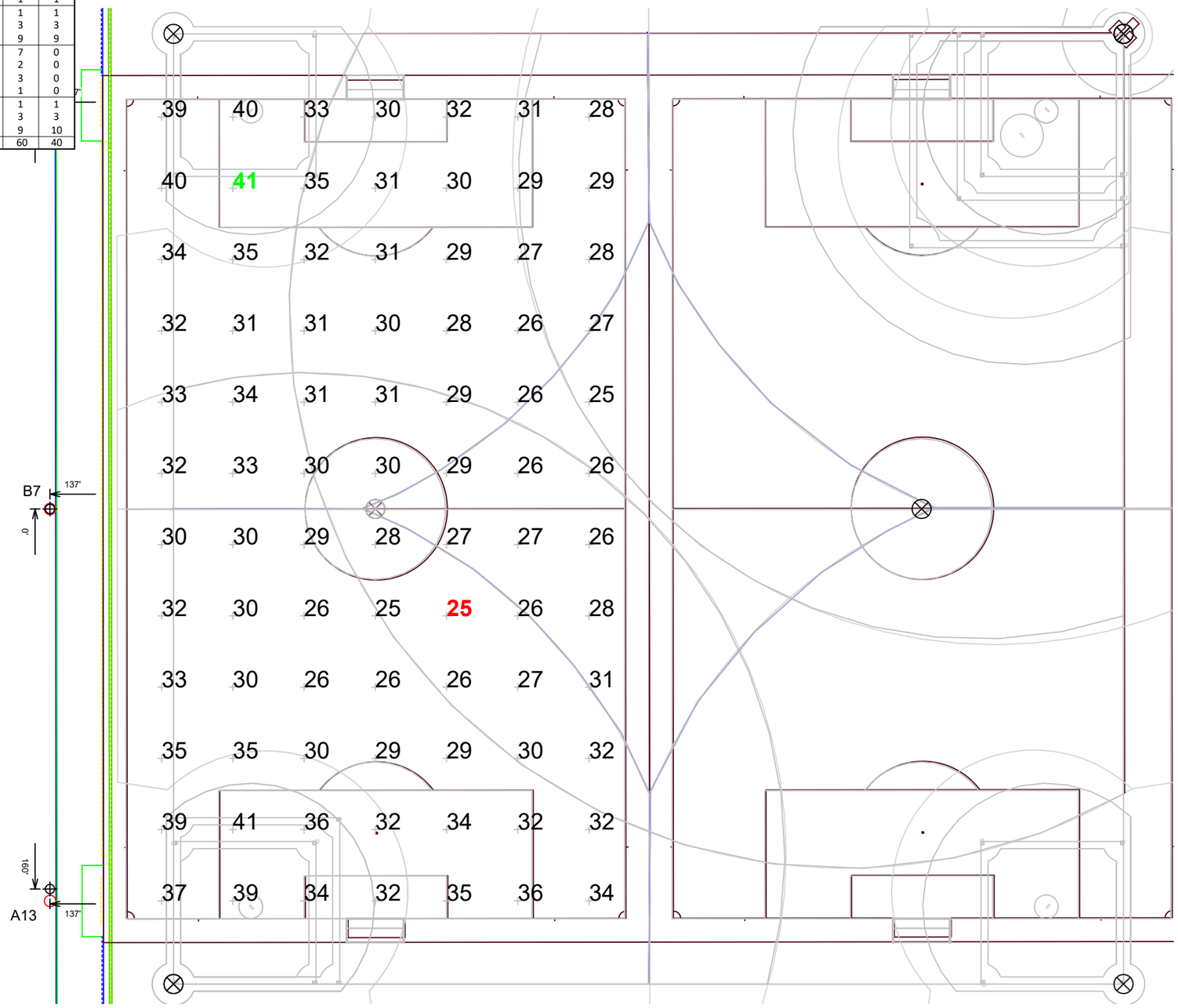
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A12-A13	70'	.24'	70.24'	TLC-LED-900	1	1	0
				15.74'	TLC-BT-575	1	1	0
				70.24'	TLC-LED-1200	2	2	0
1	B5	90'	.24'	90.24'	TLC-LED-1500	9/9*	9	9
				15.74'	TLC-BT-575	3/3*	3	3
				90.24'	TLC-LED-1200	1/1*	1	1
1	B6	90'	.16'	90.16'	TLC-LED-1200	1/1*	1	1
				15.66'	TLC-BT-575	3/3*	3	3
				90.16'	TLC-LED-1500	9/9*	9	9
1	B7	90'	.24'	90.24'	TLC-LED-1500	7	7	0
				90.24'	TLC-LED-900	2	2	0
				15.74'	TLC-BT-575	3	3	0
				90.24'	TLC-LED-1200	1	1	0
1	B8	90'	.24'	90.24'	TLC-LED-1200	1/1*	1	1
				15.74'	TLC-BT-575	3/3*	3	3
				90.24'	TLC-LED-1500	9/10*	9	10
6	TOTALS					100	60	40

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 3**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	31.0
Maximum:	41
Minimum:	25
Avg / Min:	1.25
Guaranteed Max / Min:	**2.5**
Max / Min:	1.67
UG (adjacent pts):	1.19
CU:	0.31
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	N, Q, T, V, W, X
No. of Luminaires:	**60**
Total Load:	69.59 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

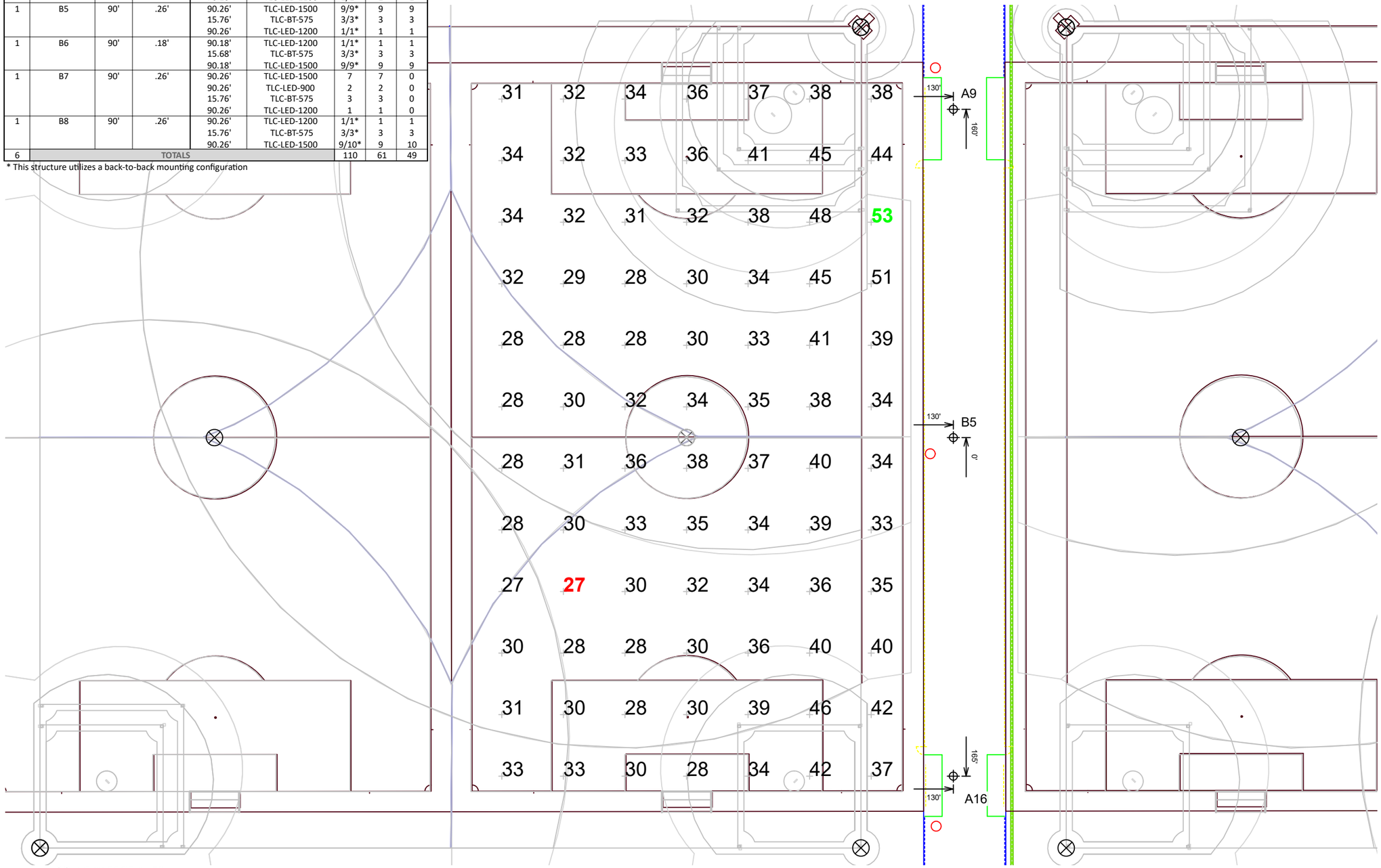
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A9	70'	.26'	70.26'	TLC-LED-1200	3/3*	3	3
				15.76'	TLC-BT-575	1/1*	1	1
				70.26'	TLC-LED-1500	1/1*	1	1
1	A16	70'	.26'	70.26'	TLC-LED-900	1/1*	1	1
				15.76'	TLC-BT-575	1/1*	1	1
				70.26'	TLC-LED-1200	2/2*	2	2
1	B5	90'	.26'	90.26'	TLC-LED-1500	9/9*	9	9
				15.76'	TLC-BT-575	3/3*	3	3
				90.26'	TLC-LED-1200	1/1*	1	1
1	B6	90'	.18'	90.18'	TLC-LED-1200	1/1*	1	1
				15.68'	TLC-BT-575	3/3*	3	3
				90.18'	TLC-LED-1500	9/9*	9	9
1	B7	90'	.26'	90.26'	TLC-LED-1500	7	7	0
				90.26'	TLC-LED-900	2	2	0
				15.76'	TLC-BT-575	3	3	0
				90.26'	TLC-LED-1200	1	1	0
1	B8	90'	.26'	90.26'	TLC-LED-1200	1/1*	1	1
				15.76'	TLC-BT-575	3/3*	3	3
				90.26'	TLC-LED-1500	9/10*	9	10
6	TOTALS					110	61	49

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 4**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	34.6
Maximum:	53
Minimum:	27
Avg / Min:	1.27
Guaranteed Max / Min:	**2.5**
Max / Min:	1.96
UG (adjacent pts):	1.32
CU:	0.34
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	N, P, Q, R, T, W
No. of Luminaires:	**61**
Total Load:	71.3 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

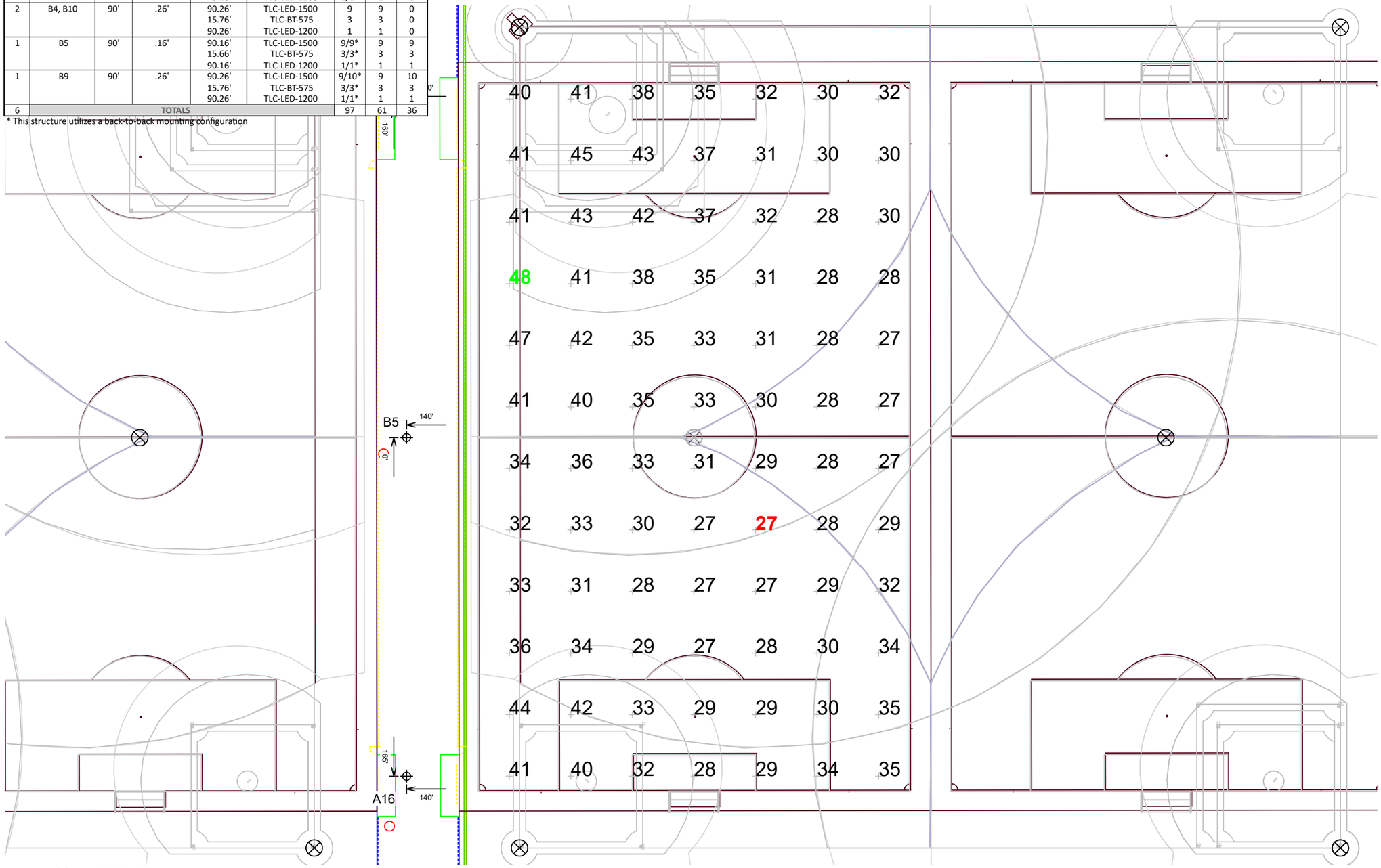
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A9	70'	.16'	70.16'	TLC-LED-1200	3/3*	3	3
				15.66'	TLC-BT-575	1/1*	1	1
				70.16'	TLC-LED-1500	1/1*	1	1
1	A16	70'	.16'	70.16'	TLC-LED-900	1/1*	1	1
				15.66'	TLC-BT-575	1/1*	1	1
				70.16'	TLC-LED-1200	2/2*	2	2
2	B4, B10	90'	.26'	90.26'	TLC-LED-1500	9	9	0
				15.76'	TLC-BT-575	3	3	0
				90.26'	TLC-LED-1200	1	1	0
1	B5	90'	.16'	90.16'	TLC-LED-1500	9/9*	9	9
				15.66'	TLC-BT-575	3/3*	3	3
				90.16'	TLC-LED-1200	1/1*	1	1
1	B9	90'	.26'	90.26'	TLC-LED-1500	9/10*	9	10
				15.76'	TLC-BT-575	3/3*	3	3
				90.26'	TLC-LED-1200	1/1*	1	1
6	TOTALS					97	61	36

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 5**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.4
Maximum:	48
Minimum:	27
Avg / Min:	1.25
Guaranteed Max / Min:	**2.5**
Max / Min:	1.78
UG (adjacent pts):	1.25
CU:	0.32
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AC, AF, AH, AI, AJ, Z
No. of Luminaires:	**61**
Total Load:	72.38 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

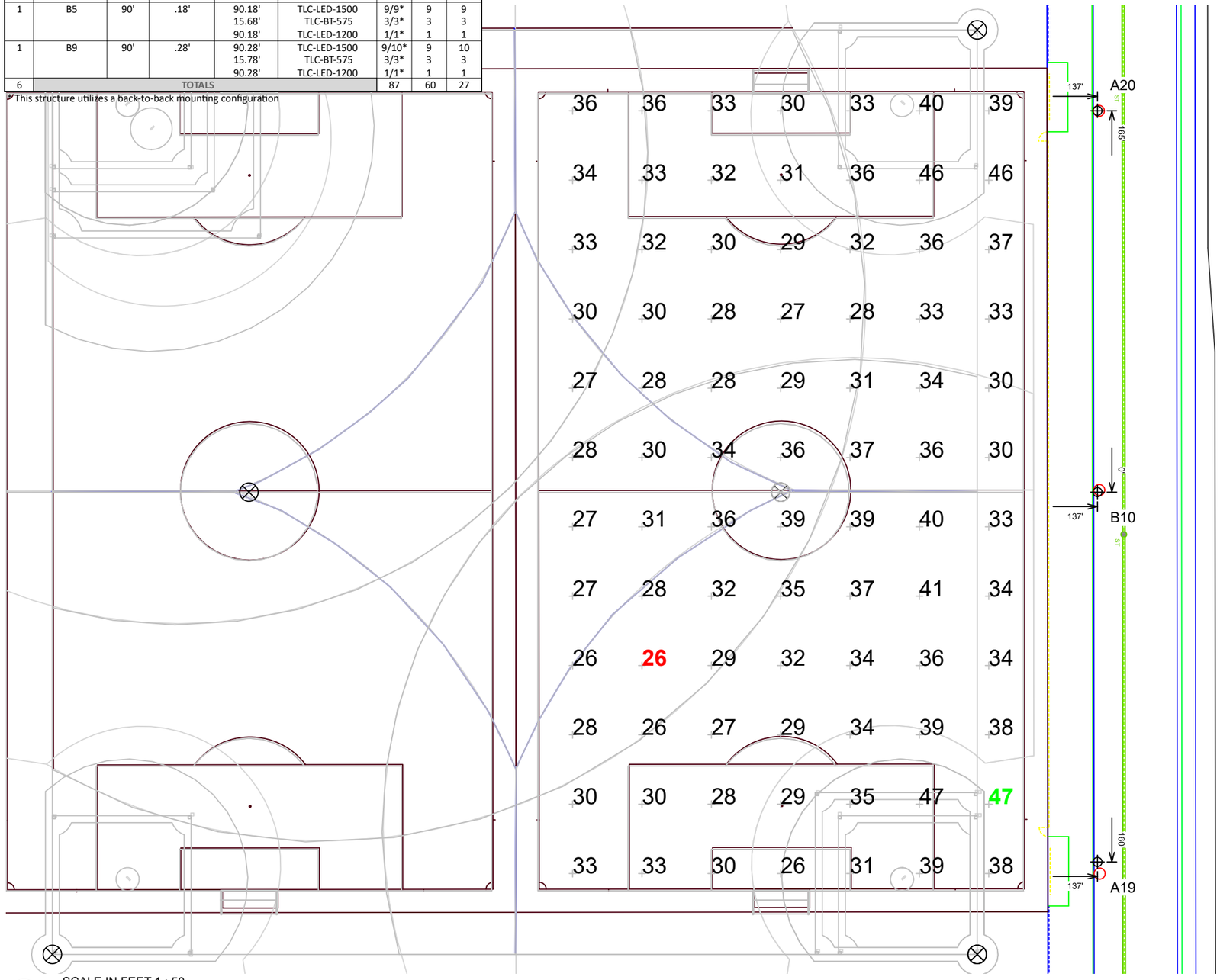
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A19-A20	70'	.28'	70.28'	TLC-LED-900	1	1	0
				15.78'	TLC-BT-575	1	1	0
				70.28'	TLC-LED-1200	2	2	0
2	B4, B10	90'	.28'	90.28'	TLC-LED-1500	9	9	0
				15.78'	TLC-BT-575	3	3	0
				90.28'	TLC-LED-1200	1	1	0
1	B5	90'	.18'	90.18'	TLC-LED-1500	9/9*	9	9
				15.68'	TLC-BT-575	3/3*	3	3
				90.18'	TLC-LED-1200	1/1*	1	1
1	B9	90'	.28'	90.28'	TLC-LED-1500	9/10*	9	10
				15.78'	TLC-BT-575	3/3*	3	3
				90.28'	TLC-LED-1200	1/1*	1	1
6	TOTALS					87	60	27

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 6**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.0
Maximum:	47
Minimum:	26
Avg / Min:	1.28
Guaranteed Max / Min:	**2.5**
Max / Min:	1.81
UG (adjacent pts):	1.33
CU:	0.33
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AB, AC, AD, AF, AI, Z
No. of Luminaires:	**60**
Total Load:	70.67 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

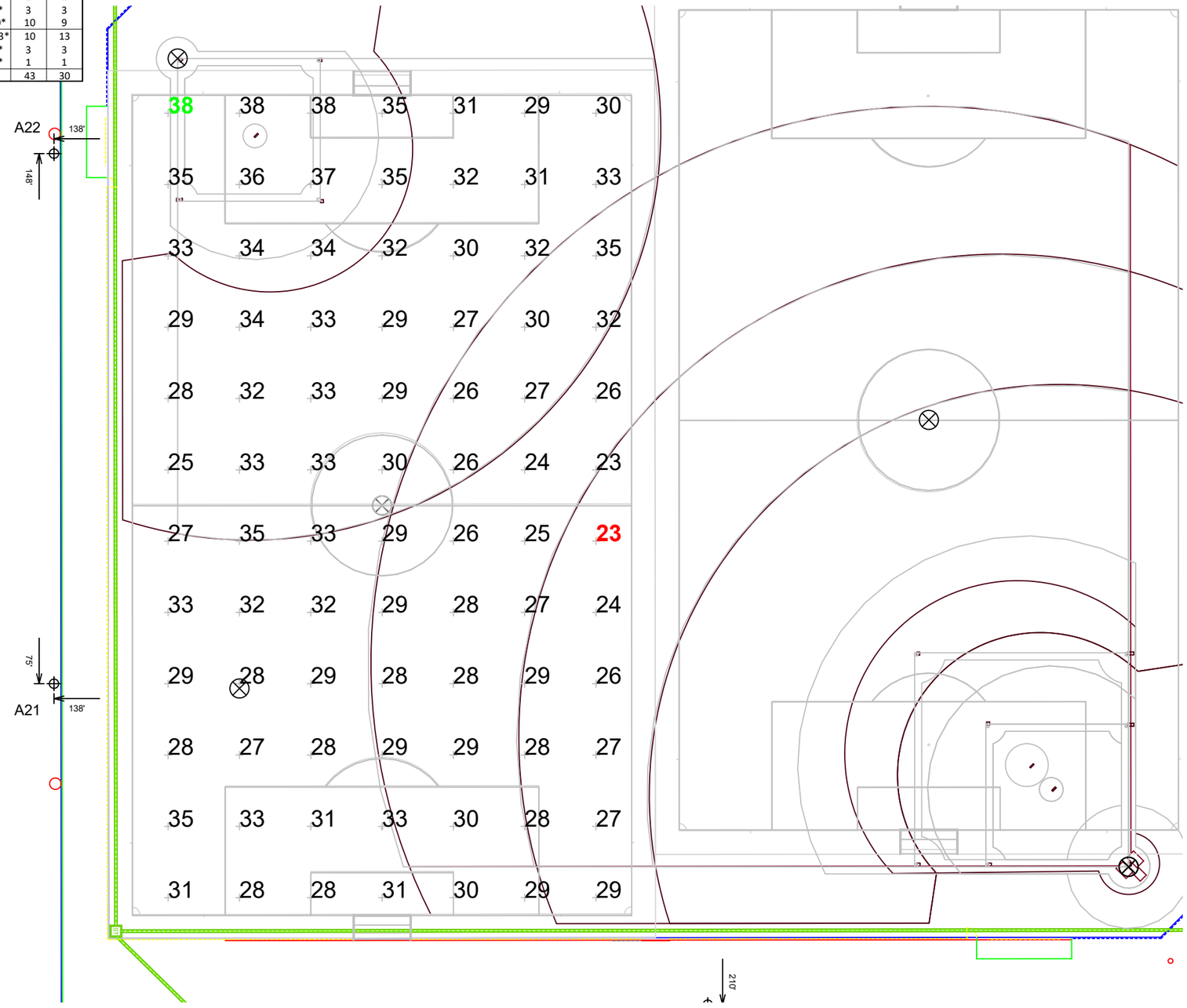
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A21	80'	-	15.5'	TLC-BT-575	3	3	0
				80'	TLC-LED-1500	5	5	0
1	A22	80'	-	80'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	1	1	0
				80'	TLC-LED-1200	2	2	0
1	B8	90'	-.3'	89.7'	TLC-LED-1200	1/1*	1	1
				15.2'	TLC-BT-575	3/3*	3	3
				89.7'	TLC-LED-1500	9/10*	10	9
1	B11	90'	-	90'	TLC-LED-1500	10/13*	10	13
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
4	TOTALS					73	43	30

* This structure utilizes a back-to-back mounting configuration



Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 7**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	30.1
Maximum:	38
Minimum:	23
Avg / Min:	1.32
Guaranteed Max / Min:	**2.5**
Max / Min:	1.65
UG (adjacent pts):	1.32
CU:	0.41
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AL, AP, AQ, AR
No. of Luminaires:	**43**
Total Load:	51.9 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

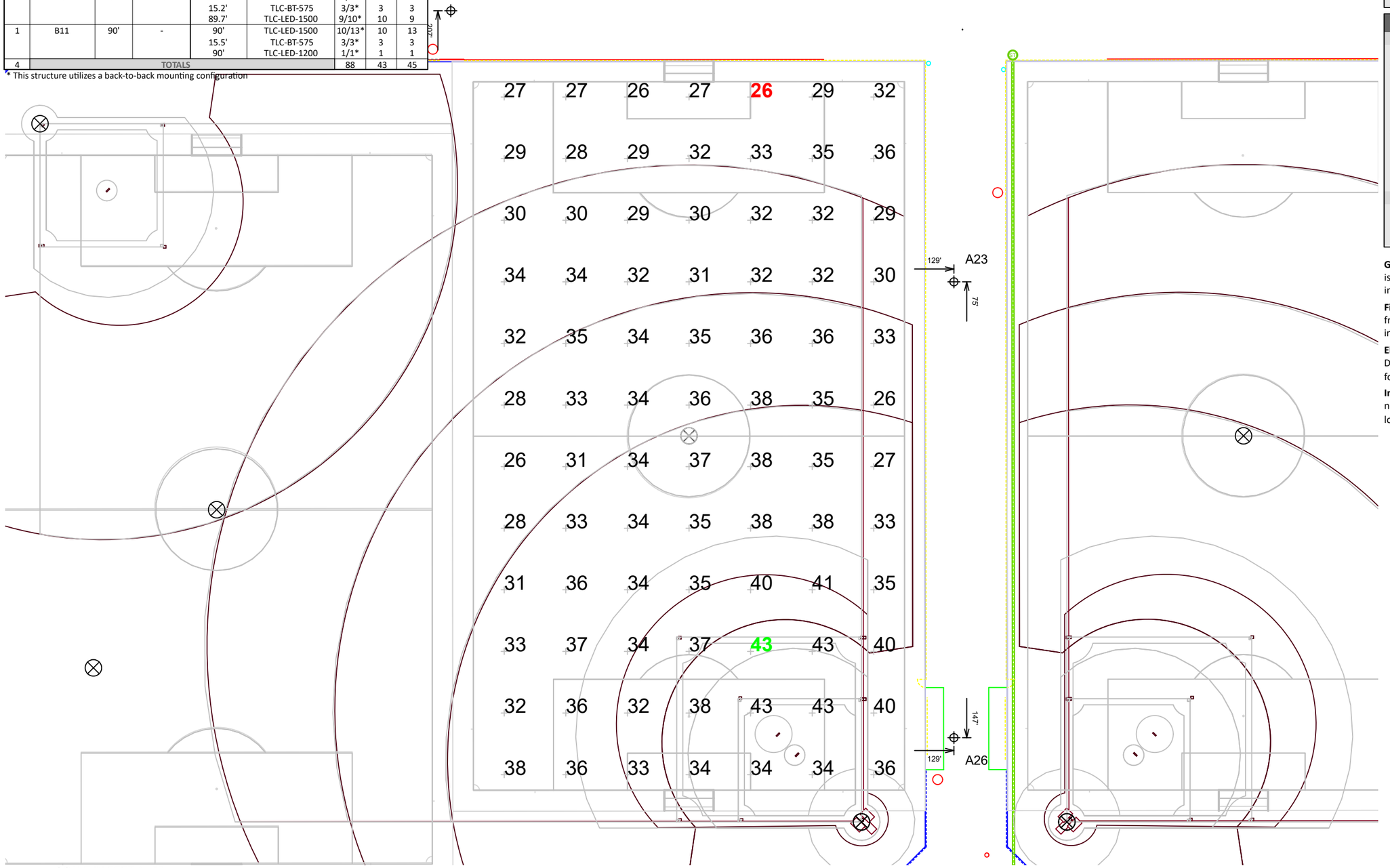
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	-	15.5'	TLC-BT-575	3/3*	3	3
				80'	TLC-LED-1500	5/5*	5	5
1	A26	80'	-	80'	TLC-LED-1500	4/4*	4	4
				15.5'	TLC-BT-575	1/1*	1	1
				80'	TLC-LED-1200	2/2*	2	2
1	B8	90'	-.3'	89.7'	TLC-LED-1200	1/1*	1	1
				15.2'	TLC-BT-575	3/3*	3	3
				89.7'	TLC-LED-1500	9/10*	10	9
1	B11	90'	-	90'	TLC-LED-1500	10/13*	10	13
				15.5'	TLC-BT-575	3/3*	3	3
				90'	TLC-LED-1200	1/1*	1	1
4	TOTALS					88	43	45

* This structure utilizes a back-to-back mounting configuration



Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 8**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.6
Maximum:	43
Minimum:	26
Avg / Min:	1.28
Guaranteed Max / Min:	**2.5**
Max / Min:	1.66
UG (adjacent pts):	1.33
CU:	0.45
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AL, AM, AN, AP
No. of Luminaires:	**43**
Total Load:	51.9 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

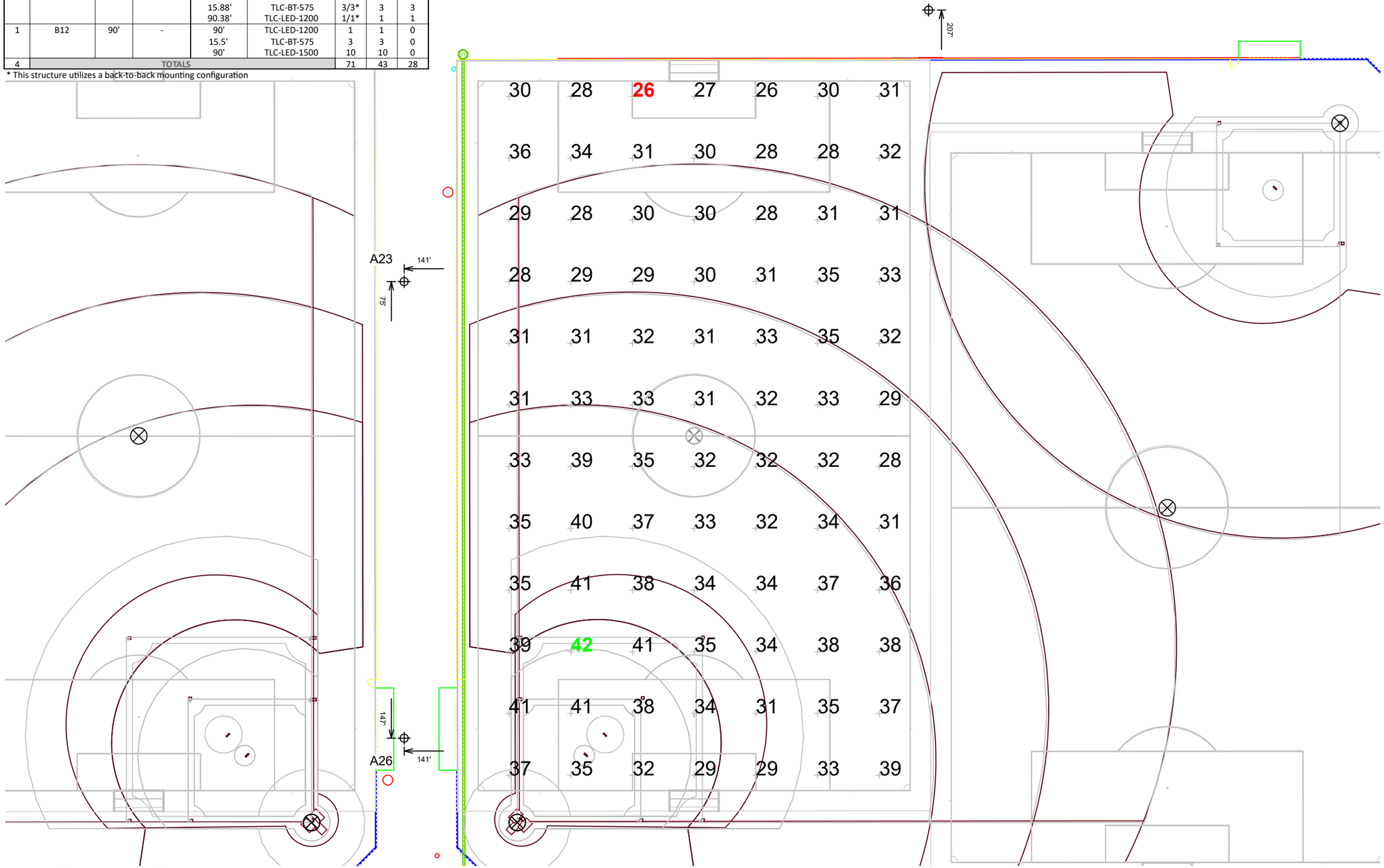
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A23	80'	.58'	16.08'	TLC-BT-575	3/3*	3	3
				80.58'	TLC-LED-1500	5/5*	5	5
1	A26	80'	.58'	80.58'	TLC-LED-1500	4/4*	4	4
				16.08'	TLC-BT-575	1/1*	1	1
				80.58'	TLC-LED-1200	2/2*	2	2
1	B9	90'	.38'	90.38'	TLC-LED-1500	9/10*	10	9
				15.88'	TLC-BT-575	3/3*	3	3
				90.38'	TLC-LED-1200	1/1*	1	1
1	B12	90'	-	90'	TLC-LED-1200	1	1	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	10	10	0
4	TOTALS					71	43	28

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 9**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.0
Maximum:	42
Minimum:	26
Avg / Min:	1.28
Guaranteed Max / Min:	**2.5**
Max / Min:	1.63
UG (adjacent pts):	1.25
CU:	0.45
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AS, AW, AY, AZ
No. of Luminaires:	**43**
Total Load:	51.9 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

musco Lighting

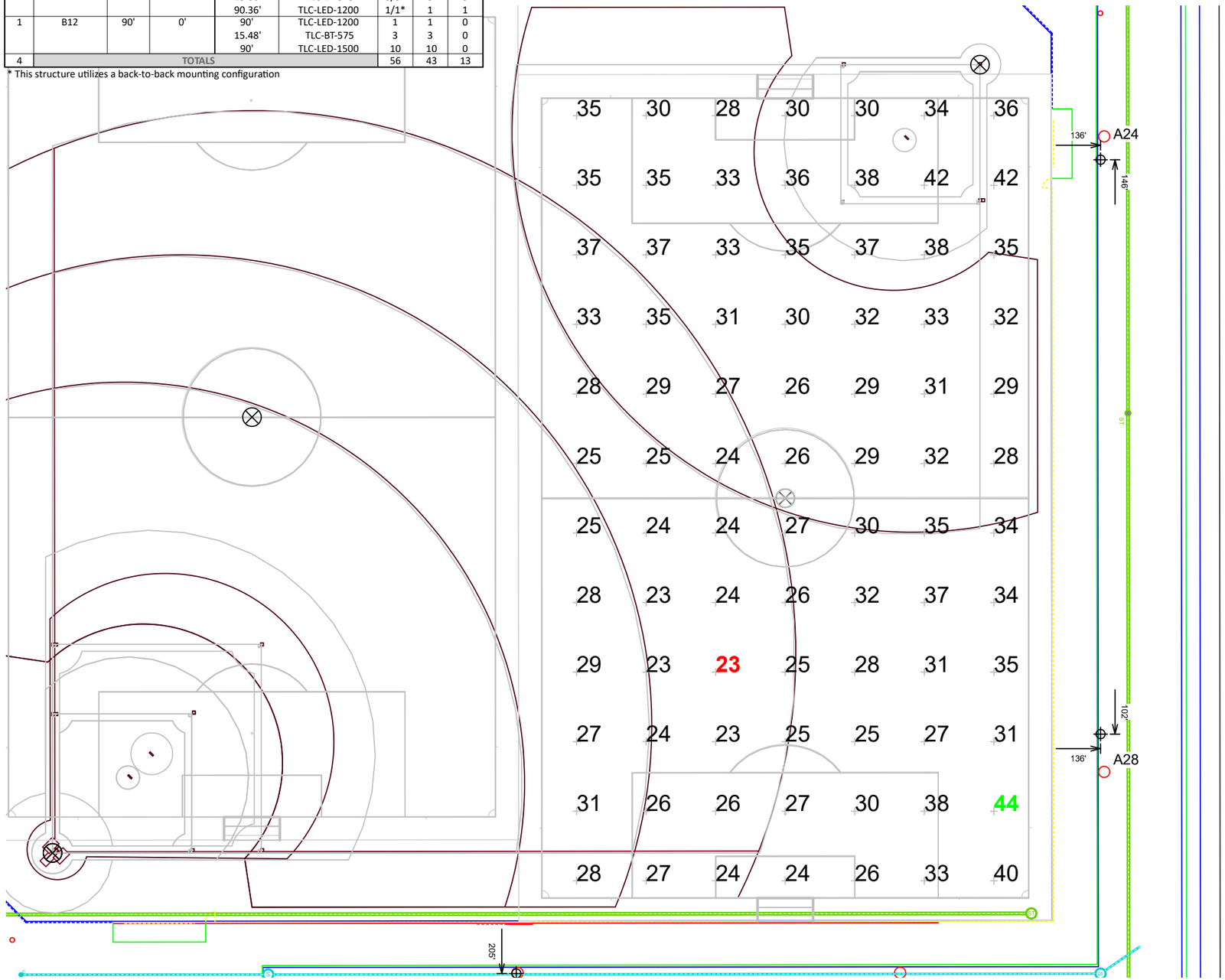
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A24	70'	0'	15.48'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	6	6	0
1	A28	70'	0'	15.48'	TLC-BT-575	3	3	0
				70'	TLC-LED-1500	5	5	0
1	B9	90'	.36'	90.36'	TLC-LED-1500	9/10*	10	9
				15.86'	TLC-BT-575	3/3*	3	3
				90.36'	TLC-LED-1200	1/1*	1	1
1	B12	90'	0'	90'	TLC-LED-1200	1	1	0
				15.48'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	10	10	0
4	TOTALS					56	43	13

* This structure utilizes a back-to-back mounting configuration



ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 10**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	30.4
Maximum:	44
Minimum:	23
Avg / Min:	1.33
Guaranteed Max / Min:	**2.5**
Max / Min:	1.92
UG (adjacent pts):	1.42
CU:	0.42
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	AS, AU, AV, AW
No. of Luminaires:	**43**
Total Load:	50.86 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

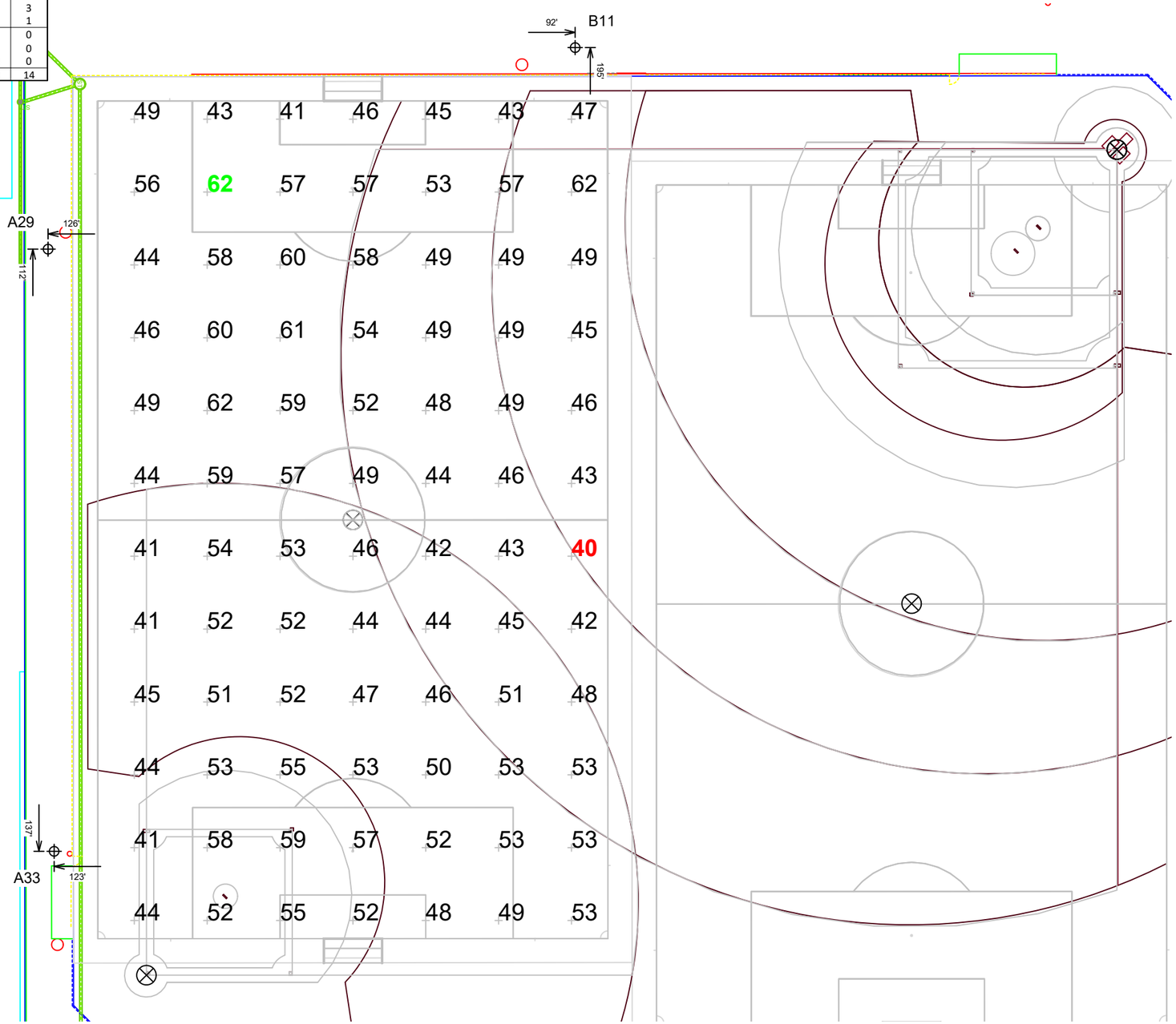
We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A29	80'	-.22'	79.78'	TLC-LED-1200	1	1	0
				15.28'	TLC-BT-575	3	3	0
				79.78'	TLC-LED-1500	8	8	0
1	A33	80'	-.22'	15.28'	TLC-BT-575	3	3	0
				79.78'	TLC-LED-1500	9	9	0
1	B11	90'	.28'	90.28'	TLC-LED-1500	10/13*	13	10
				15.78'	TLC-BT-575	3/3*	3	3
				90.28'	TLC-LED-1200	1/1*	1	1
1	B13	90'	-.22'	89.78'	TLC-LED-1200	1	1	0
				15.28'	TLC-BT-575	3	3	0
				89.78'	TLC-LED-1500	14	14	0
4	TOTALS					73	59	14

* This structure utilizes a back-to-back mounting configuration



SCALE IN FEET 1 : 50

0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

Grimes Sportsplex

Grimes,IA

GRID SUMMARY

Name:	**Soccer 11**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**50**
Scan Average:	50.2
Maximum:	62
Minimum:	40
Avg / Min:	1.27
Guaranteed Max / Min:	**2**
Max / Min:	1.57
UG (adjacent pts):	1.43
CU:	0.48
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	BA, BE, BG, BH
No. of Luminaires:	**59**
Total Load:	73.33 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

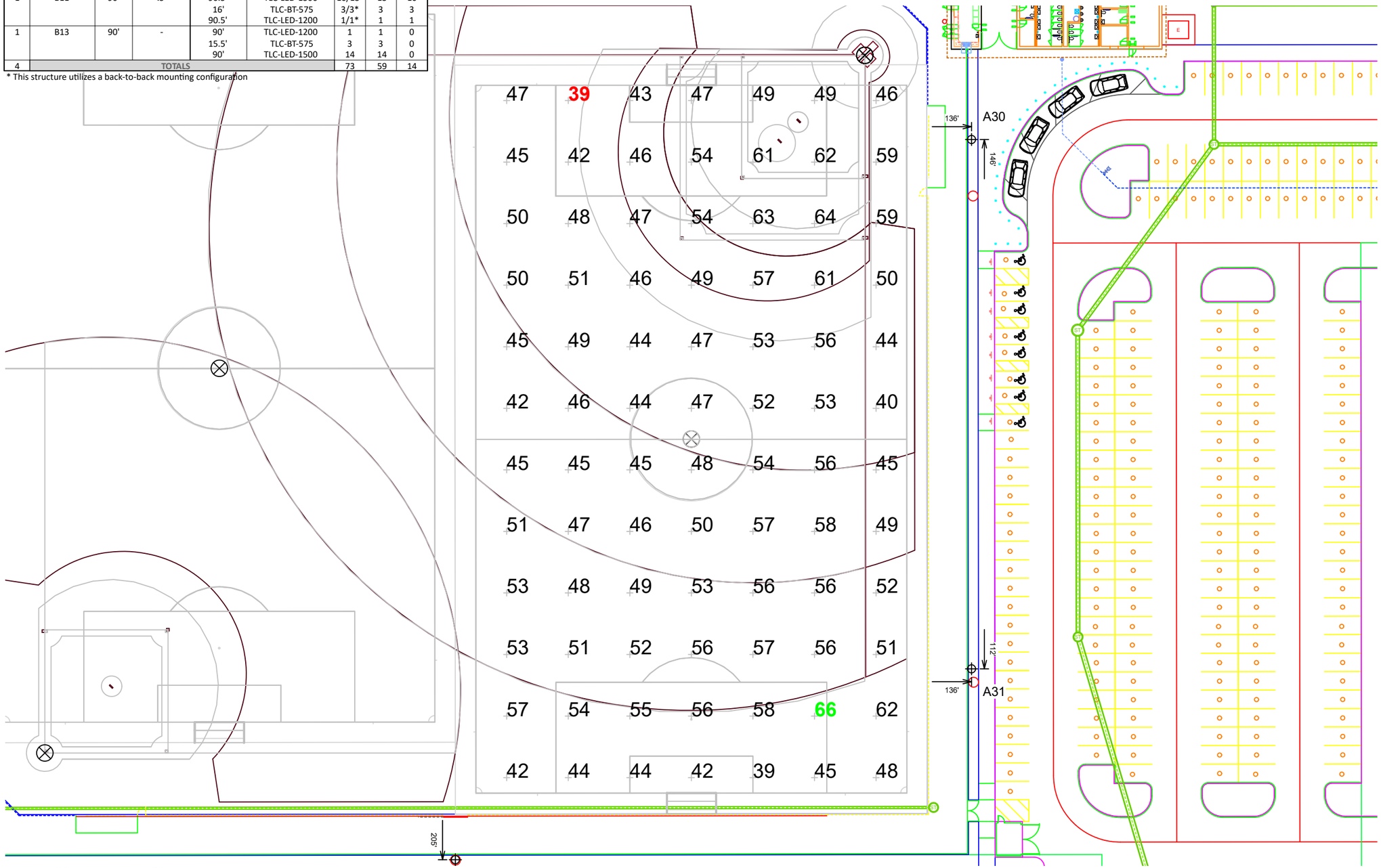
Grimes Sportsplex

Grimes,IA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A30	80'	-	80'	TLC-LED-1200	2	2	0
				15.5'	TLC-BT-575	3	3	0
				80'	TLC-LED-1500	7	7	0
1	A31	80'	-	15.5'	TLC-BT-575	3	3	0
				80'	TLC-LED-1500	9	9	0
1	B11	90'	.5'	90.5'	TLC-LED-1500	10/13*	13	10
				16'	TLC-BT-575	3/3*	3	3
				90.5'	TLC-LED-1200	1/1*	1	1
1	B13	90'	-	90'	TLC-LED-1200	1	1	0
				15.5'	TLC-BT-575	3	3	0
				90'	TLC-LED-1500	14	14	0
4	TOTALS					73	59	14

* This structure utilizes a back-to-back mounting configuration



GRID SUMMARY

Name:	**Soccer 12**
Size:	345' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**50**
Scan Average:	50.7
Maximum:	66
Minimum:	39
Avg / Min:	1.30
Guaranteed Max / Min:	**2**
Max / Min:	1.68
UG (adjacent pts):	1.48
CU:	0.48
No. of Points:	84

LUMINAIRE INFORMATION

Applied Circuits:	BA, BC, BD, BE
No. of Luminaires:	**59**
Total Load:	73.07 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Ben Drost · File #209347f · 23-Aug-22

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2022 Musco Sports Lighting, LLC.

C. CONTROLS AND MONITORING

Control System Summary

Project Specific Notes:

Project Information

Project #:	209347
Project Name:	Grimes Sportsplex
Date:	10/14/22
Project Engineer:	Ben Drost
Sales Representative:	Jason Schillig
Control System Type:	Control-Link™ Control and Monitoring System
Communication Type:	PowerLine-ST
Scan:	209347f2-a2
Document ID:	209347P1V3-1014101901
Distribution Panel Location or ID:	North 3 Pods
Total # of Distribution Panel Locations for Project:	2
Design Voltage/Hertz/Phase:	480/60/3
Control Voltage:	120

Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1.Control and Monitoring Cabinet	24 X 72
2.Control and Monitoring Cabinet	24 X 72
3.Control and Monitoring Cabinet	24 X 72
4.Control and Monitoring Cabinet	24 X 72
5.Control and Monitoring Cabinet	24 X 48

	QTY	SIZE (AMPS)
Total Contactors	30	30 AMP
Total Off/On/Auto Switches:	30	

Preliminary Plans:
Confirm all Details - voltage
# of distribution panels, etc.

Materials Checklist

Contractor/Customer Supplied:

- ❑ A dedicated control circuit must be supplied per distribution panel location
  - — If the control voltage is NOT available, a control transformer is required
- ❑ Electrical distribution panel to provide overcurrent protection for circuits
  - — HID rated or D-curve circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- ❑ Wiring
  - — See chart on page 2 for wiring requirements
  - — Equipment grounding conductor and splices must be insulated (per circuit)
  - — Lightning ground protection (per pole), if not Musco supplied
- ❑ Electrical conduit wireway system
  - — Entrance hubs rated NEMA 4, must be die-cast zinc, PVC, or copper-free die-cast aluminum
- ❑ Mounting hardware for cabinets
- ❑ Breaker lock-on device to prevent unauthorized power interruption to control power and powerline connection (if present)
- ❑ Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central™ operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation.

Note: Activation may take up to 1 1/2 hours.

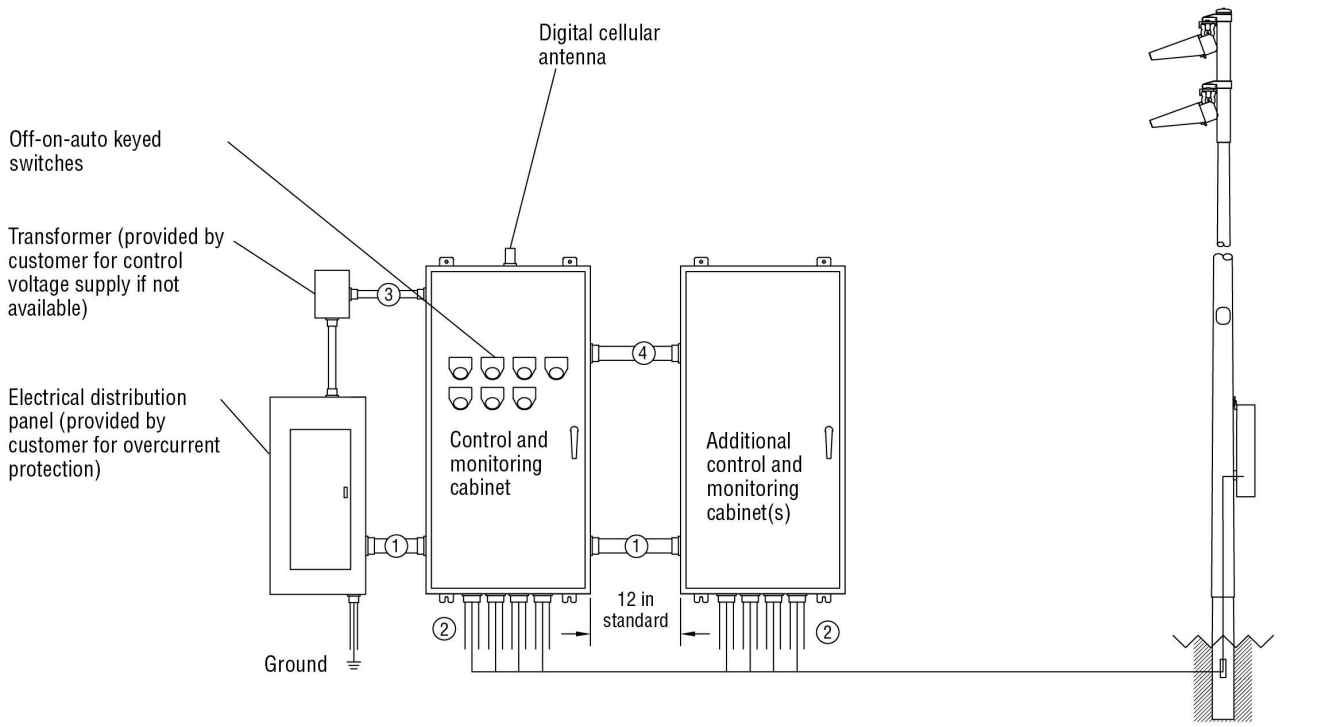
IMPORTANT NOTES

1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements.

©1999,2022 Musco Sports Lighting,LLC

Control•Link® Control and Monitoring System



Conduit ID	Description	# of Wires	Wire (AWG)	Conduit (in)	Max. Wire Length (ft)	MUSCO Supplied	Notes
1	Line power to contactors, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
2	Load power to lighting circuits, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
3	Control power (dedicated, 20A)	3	12	*C	N/A	No	C,E
4	Control harnesses	*F	12	2	*F	Yes	C,E,F

R60-101-00_B

* Notes:
A. See voltage and phasing per the notes on cover page.
B. Calculate per load and voltage drop.
C. All conduit diameters should be per code unless otherwise specified to allow for connector size.
D. Equipment grounding conductor and any splices must be insulated.
E. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
F. Harness is provided in 8-ft length.

IMPORTANT: Control wires (3,4) must be in separate conduit from line and load power wires (1, 2).

SWITCHING SCHEDULE

Field/Zone Description	Zones
West Blanket Grid	**1,2,3,4,5,6,7,8,9,10,11,12,**
-Field 1	1
-Baseball 3	2
-Baseball 3	3
-Baseball 3	4
-Field 12	5
-Baseball 3	6
-Baseball 3	7
-Baseball 3	8
-Baseball 1	9
-Baseball 1	10
-Baseball 1	11
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
-Baseball 1	16
-Baseball 1	17
-Baseball 1	18
-Field 1	19
-Baseball 2	20
-Baseball 2	21
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
-Baseball 2	25
-Field 6	26
-Baseball 2	27
-Baseball 2	28
-Baseball 3	29
-Baseball 3	30
Field 1	**1,9,18,19**
-Field 1	1
-Baseball 1	9
-Baseball 1	18
-Field 1	19
Softball 1	**1,9,12,15,18,19**
-Field 1	1
-Baseball 1	9
-Baseball 1	12
-Baseball 1	15
-Baseball 1	18
-Field 1	19
West Blanket Grid	**25,26,27,28,29,30**
-Field 1	1

CONTINUED ON NEXT PAGE

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Musco Supplied Equipment	INRUSH: 7350.0
	SEALED: 780.0

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 3	2
-Baseball 3	3
-Baseball 3	4
-Field 12	5
-Baseball 3	6
-Baseball 3	7
-Baseball 3	8
-Baseball 1	9
-Baseball 1	10
-Baseball 1	11
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
-Baseball 1	16
-Baseball 1	17
-Baseball 1	18
-Field 1	19
-Baseball 2	20
-Baseball 2	21
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
-Baseball 2	25
-Field 6	26
-Baseball 2	27
-Baseball 2	28
-Baseball 3	29
-Baseball 3	30
Field 11	**2,3,4,30**
-Baseball 3	2
-Baseball 3	3
-Baseball 3	4
-Baseball 3	30
Baseball 3	**2,3,4,6,7,8,29,30**
-Baseball 3	2
-Baseball 3	3
-Baseball 3	4
-Baseball 3	6
-Baseball 3	7
-Baseball 3	8
-Baseball 3	29
-Baseball 3	30
Soccer 6	**3,4,5,7,30**
-Baseball 3	3

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 3	4
-Field 12	5
-Baseball 3	7
-Baseball 3	30
Field 12	**4,5**
-Baseball 3	4
-Field 12	5
Softball 5	**4,7,8,29,30**
-Baseball 3	4
-Baseball 3	7
-Baseball 3	8
-Baseball 3	29
-Baseball 3	30
Softball 6	**4,5,7,30**
-Baseball 3	4
-Field 12	5
-Baseball 3	7
-Baseball 3	30
Soccer 5	**4,6,7,8,30**
-Baseball 3	4
-Baseball 3	6
-Baseball 3	7
-Baseball 3	8
-Baseball 3	30
Field 10	**6,7**
-Baseball 3	6
-Baseball 3	7
Field 9	**7,8,29,30**
-Baseball 3	7
-Baseball 3	8
-Baseball 3	29
-Baseball 3	30
Field 3	**9,10,11,12**
-Baseball 1	9
-Baseball 1	10
-Baseball 1	11
-Baseball 1	12
Softball 2	**9,12,13,14,15,18**
-Baseball 1	9
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
-Baseball 1	18
Baseball 1	**9,10,11,12,13,14,15,16,17,18**
-Baseball 1	9

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 1	10
-Baseball 1	11
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
-Baseball 1	16
-Baseball 1	17
-Baseball 1	18
Soccer 1	**9,12,15,17,18,19**
-Baseball 1	9
-Baseball 1	12
-Baseball 1	15
-Baseball 1	17
-Baseball 1	18
-Field 1	19
Soccer 2	**9,11,12,13,15,18**
-Baseball 1	9
-Baseball 1	11
-Baseball 1	12
-Baseball 1	13
-Baseball 1	15
-Baseball 1	18
Field 4	**12,13,14,15**
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
West Blanket Grid	**13,14,15,16,17,18,19,20,21,22,23,24,**
-Field 1	1
-Baseball 3	2
-Baseball 3	3
-Baseball 3	4
-Field 12	5
-Baseball 3	6
-Baseball 3	7
-Baseball 3	8
-Baseball 1	9
-Baseball 1	10
-Baseball 1	11
-Baseball 1	12
-Baseball 1	13
-Baseball 1	14
-Baseball 1	15
-Baseball 1	16

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 1	17
-Baseball 1	18
-Field 1	19
-Baseball 2	20
-Baseball 2	21
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
-Baseball 2	25
-Field 6	26
-Baseball 2	27
-Baseball 2	28
-Baseball 3	29
-Baseball 3	30
Field 2	**15,16,17,18**
-Baseball 1	15
-Baseball 1	16
-Baseball 1	17
-Baseball 1	18
Field 5	**20,21,27,28**
-Baseball 2	20
-Baseball 2	21
-Baseball 2	27
-Baseball 2	28
Baseball 2	**20,21,22,23,24,25,27,28**
-Baseball 2	20
-Baseball 2	21
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
-Baseball 2	25
-Baseball 2	27
-Baseball 2	28
Field 7	**21,22,23,24**
-Baseball 2	21
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
Softball 3	**21,24,26,27**
-Baseball 2	21
-Baseball 2	24
-Field 6	26
-Baseball 2	27
Softball 4	**21,22,23,24,27**
-Baseball 2	21

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 2	22
-Baseball 2	23
-Baseball 2	24
-Baseball 2	27
Soccer 3	**21,24,26,27,28**
-Baseball 2	21
-Baseball 2	24
-Field 6	26
-Baseball 2	27
-Baseball 2	28
Soccer 4	**21,23,24,25,27**
-Baseball 2	21
-Baseball 2	23
-Baseball 2	24
-Baseball 2	25
-Baseball 2	27
Field 8	**24,25**
-Baseball 2	24
-Baseball 2	25
Field 6	**26,27**
-Field 6	26
-Baseball 2	27

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
A3	Field 1	4	4	**5.9**	30	C1	1
A7	Baseball 3	4	4	**5.9**	30	C2	2
A20	Baseball 3	4	4	**6.5**	30	C3	3
B10	Baseball 3	13	13	**24.9**	30	C4	4
A19	Field 12	4	4	**6.5**	30	C5	5
A16	Baseball 3	4	4	**6.5**	30	C6	6
B5	Baseball 3	13	13	**24.9**	30	C7	7
A9	Baseball 3	5	5	**9.7**	30	C8	8
B2	Baseball 1	13	13	**24.9**	30	C9	9
A4	Baseball 1	4	4	**5.9**	30	C10	10
A5	Baseball 1	4	4	**6.5**	30	C11	11
B3	Baseball 1	13	13	**24.9**	30	C12	12
A6	Baseball 1	5	5	**9.7**	30	C13	13
A10	Baseball 1	5	5	**9.1**	30	C14	14
B6	Baseball 1	13	13	**24.9**	30	C15	15
A11	Baseball 1	4	4	**5.9**	30	C16	16
A1	Baseball 1	4	4	**6.5**	30	C17	17
B1	Baseball 1	13	13	**23.1**	30	C18	18
A2	Field 1	4	4	**5.9**	30	C19	19
A11	Baseball 2	4	4	**6.5**	30	C20	20
B6	Baseball 2	13	13	**24.9**	30	C21	21
A10	Baseball 2	5	5	**9.7**	30	C22	22

CONTINUED ON NEXT PAGE

Control System Summary

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
A9	Baseball 2	5	5	**9.1**	30	C23	23
B5	Baseball 2	13	13	**24.9**	30	C24	24
A16	Baseball 2	4	4	**5.9**	30	C25	25
A13	Field 6	4	4	**6.5**	30	C26	26
B7	Baseball 2	13	13	**22.5**	30	C27	27
A12	Baseball 2	4	4	**5.9**	30	C28	28
A8	Baseball 3	5	5	**9.1**	30	C29	29
B4	Baseball 3	13	13	**24.9**	30	C30	30

*Full Load Amps based on amps per driver.

Control System Summary

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	Pole A3	5.86		
1	1	C2	Pole A7	5.86		
1	1	C3	Pole A20	6.50		
1	1	C4	Pole B10	24.94		
1	1	C5	Pole A19	6.48		
1	1	C6	Pole A16	6.50		
1	1	C7	Pole B5	24.94		
2	2	C8	Pole A9	9.71		
2	2	C9	Pole B2	24.94		
2	2	C10	Pole A4	5.86		
2	2	C11	Pole A5	6.50		
2	2	C12	Pole B3	24.94		
2	2	C13	Pole A6	9.71		
2	2	C14	Pole A10	9.13		
3	3	C15	Pole B6	24.94		
3	3	C16	Pole A11	5.86		
3	3	C17	Pole A1	6.50		
3	3	C18	Pole B1	23.14		
3	3	C19	Pole A2	5.86		
3	3	C20	Pole A11	6.50		
3	3	C21	Pole B6	24.94		
4	4	C22	Pole A10	9.71		
4	4	C23	Pole A9	9.13		
4	4	C24	Pole B5	24.94		
4	4	C25	Pole A16	5.86		
4	4	C26	Pole A13	6.50		
4	4	C27	Pole B7	22.50		
4	4	C28	Pole A12	5.86		
5	5	C29	Pole A8	9.13		
5	5	C30	Pole B4	24.94		

ZONE SCHEDULE

			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 1	1	Field 1	A3	C1
Zone 2	2	Baseball 3	A7	C2
Zone 3	3	Baseball 3	A20	C3
Zone 4	4	Baseball 3	B10	C4
Zone 5	5	Field 12	A19	C5
Zone 6	6	Baseball 3	A16	C6
Zone 7	7	Baseball 3	B5	C7
Zone 8	1	Baseball 3	A9	C8
Zone 9	2	Baseball 1	B2	C9
Zone 10	3	Baseball 1	A4	C10
Zone 11	4	Baseball 1	A5	C11

CONTINUED ON NEXT PAGE

ZONE SCHEDULE

			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 12	5	Baseball 1	B3	C12
Zone 13	6	Baseball 1	A6	C13
Zone 14	7	Baseball 1	A10	C14
Zone 15	1	Baseball 1	B6	C15
Zone 16	2	Baseball 1	A11	C16
Zone 17	3	Baseball 1	A1	C17
Zone 18	4	Baseball 1	B1	C18
Zone 19	5	Field 1	A2	C19
Zone 20	6	Baseball 2	A11	C20
Zone 21	7	Baseball 2	B6	C21
Zone 22	1	Baseball 2	A10	C22
Zone 23	2	Baseball 2	A9	C23
Zone 24	3	Baseball 2	B5	C24
Zone 25	4	Baseball 2	A16	C25
Zone 26	5	Field 6	A13	C26
Zone 27	6	Baseball 2	B7	C27
Zone 28	7	Baseball 2	A12	C28
Zone 29	1	Baseball 3	A8	C29
Zone 30	2	Baseball 3	B4	C30

Control System Summary

Project Specific Notes:

Project Information

Project #:	209347
Project Name:	Grimes Sportsplex
Date:	10/14/22
Project Engineer:	Ben Drost
Sales Representative:	Jason Schillig
Control System Type:	Control-Link™ Control and Monitoring System
Communication Type:	PowerLine-ST
Scan:	209347f2-a2
Document ID:	209347P1V3-1014101901
Distribution Panel Location or ID:	South 3 Pods
Total # of Distribution Panel Locations for Project:	2
Design Voltage/Hertz/Phase:	480/60/3
Control Voltage:	120

Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1.Control and Monitoring Cabinet	24 X 72
2.Control and Monitoring Cabinet	24 X 72
3.Control and Monitoring Cabinet	24 X 72
4.Control and Monitoring Cabinet	24 X 72
5.Control and Monitoring Cabinet	24 X 48

	QTY	SIZE (AMPS)
Total Contactors	24	30 AMP
Total Contactors	6	60 AMP
Total Off/On/Auto Switches:	31	

Preliminary Plans:
Confirm all Details - voltage
# of distribution panels, etc.

Materials Checklist

Contractor/Customer Supplied:

- ❑ A dedicated control circuit must be supplied per distribution panel location
  - — If the control voltage is NOT available, a control transformer is required
- ❑ Electrical distribution panel to provide overcurrent protection for circuits
  - — HID rated or D-curve circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- ❑ Wiring
  - — See chart on page 2 for wiring requirements
  - — Equipment grounding conductor and splices must be insulated (per circuit)
  - — Lightning ground protection (per pole), if not Musco supplied
- ❑ Electrical conduit wireway system
  - — Entrance hubs rated NEMA 4, must be die-cast zinc, PVC, or copper-free die-cast aluminum
- ❑ Mounting hardware for cabinets
- ❑ Breaker lock-on device to prevent unauthorized power interruption to control power and powerline connection (if present)
- ❑ Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central™ operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation.

Note: Activation may take up to 1 1/2 hours.

IMPORTANT NOTES

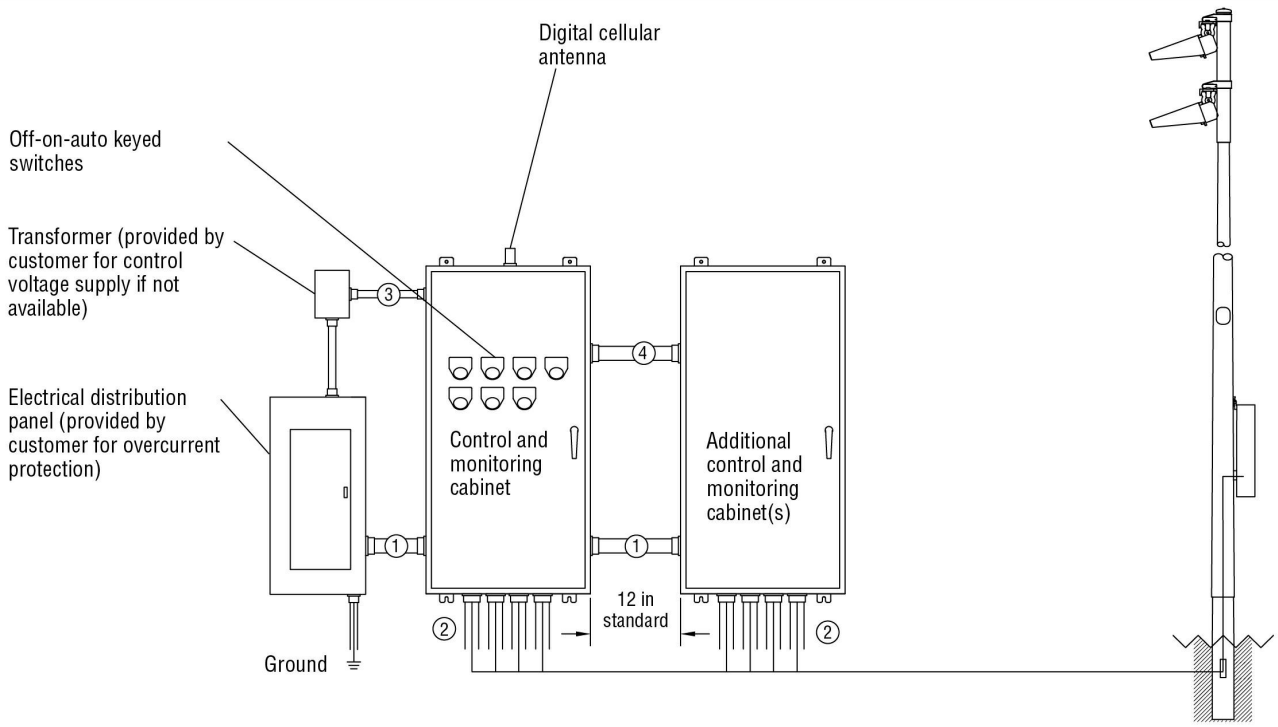
1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements.

©1999,2022 Musco Sports Lighting,LLC

Control System Summary

Control•Link® Control and Monitoring System



Conduit ID	Description	# of Wires	Wire (AWG)	Conduit (in)	Max. Wire Length (ft)	MUSCO Supplied	Notes
1	Line power to contactors, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
2	Load power to lighting circuits, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
3	Control power (dedicated, 20A)	3	12	*C	N/A	No	C,E
4	Control harnesses	*F	12	2	*F	Yes	C,E,F

R60-101-00_B

* Notes:
A. See voltage and phasing per the notes on cover page.
B. Calculate per load and voltage drop.
C. All conduit diameters should be per code unless otherwise specified to allow for connector size.
D. Equipment grounding conductor and any splices must be insulated.
E. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
F. Harness is provided in 8-ft length.

IMPORTANT: Control wires (3,4) must be in separate conduit from line and load power wires (1, 2).

SWITCHING SCHEDULE

Field/Zone Description	Zones
West Blanket Grid Service2	**1,2,3,4,5,6,7,8,9,10,11,12,**
-Field 12	1
-Field 12	2
-Baseball 3	3
-Baseball 3	4
-Field 13	5
-Baseball 4	6
-Baseball 4	7
-Baseball 4	8
-Baseball 4	9
-Baseball 4	10
-Baseball 4	11
-Field 13	12
-Baseball 5	13
-Field 16	14
-Field 16	15
-Baseball 5	16
-Baseball 5	17
-Baseball 5	18
-Baseball 5	19
-Baseball 5	20
-Baseball 6	21
-Baseball 6	22
-Baseball 6	23
-Baseball 6	24
-Baseball 6	25
-Field 17	26
-Field 17	27
-Baseball 6	28
-Baseball 2	29
-Baseball 2	30
-Field 6	31
Field 12 Service2	**1,2,3**
-Field 12	1
-Field 12	2
-Baseball 3	3
West Blanket Grid Service2	**25,26,27,28,29,30,31**
-Field 12	1
-Field 12	2
-Baseball 3	3
-Baseball 3	4
-Field 13	5
-Baseball 4	6
-Baseball 4	7
-Baseball 4	8

CONTINUED ON NEXT PAGE

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Musco Supplied Equipment	INRUSH: 7350.0
	SEALED: 780.0

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 4	9
-Baseball 4	10
-Baseball 4	11
-Field 13	12
-Baseball 5	13
-Field 16	14
-Field 16	15
-Baseball 5	16
-Baseball 5	17
-Baseball 5	18
-Baseball 5	19
-Baseball 5	20
-Baseball 6	21
-Baseball 6	22
-Baseball 6	23
-Baseball 6	24
-Baseball 6	25
-Field 17	26
-Field 17	27
-Baseball 6	28
-Baseball 2	29
-Baseball 2	30
-Field 6	31
Soccer 6 Service2	**1,3**
-Field 12	1
-Baseball 3	3
Field 10 Service2	**3,4**
-Baseball 3	3
-Baseball 3	4
Softball 5 Service2	**3**
Soccer 5 Service2	**3**
Field 13	**5,6,11,12**
-Field 13	5
-Baseball 4	6
-Baseball 4	11
-Field 13	12
Softball 7	**6,7,8,9,10,11**
-Baseball 4	6
-Baseball 4	7
-Baseball 4	8
-Baseball 4	9
-Baseball 4	10
-Baseball 4	11
Soccer 7	**6,10,11,12**
-Baseball 4	6

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 4	10
-Baseball 4	11
-Field 13	12
Soccer 8	**6,7,8,10**
-Baseball 4	6
-Baseball 4	7
-Baseball 4	8
-Baseball 4	10
Field 14	**7,8,9,10**
-Baseball 4	7
-Baseball 4	8
-Baseball 4	9
-Baseball 4	10
Field 16	**13,14,15,16**
-Baseball 5	13
-Field 16	14
-Field 16	15
-Baseball 5	16
Softball 8	**13,16,17,18,19,20**
-Baseball 5	13
-Baseball 5	16
-Baseball 5	17
-Baseball 5	18
-Baseball 5	19
-Baseball 5	20
West Blanket Grid Service2	**13,14,15,16,17,18,19,20,21,22,23,24,**
-Field 12	1
-Field 12	2
-Baseball 3	3
-Baseball 3	4
-Field 13	5
-Baseball 4	6
-Baseball 4	7
-Baseball 4	8
-Baseball 4	9
-Baseball 4	10
-Baseball 4	11
-Field 13	12
-Baseball 5	13
-Field 16	14
-Field 16	15
-Baseball 5	16
-Baseball 5	17
-Baseball 5	18
-Baseball 5	19

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 5	20
-Baseball 6	21
-Baseball 6	22
-Baseball 6	23
-Baseball 6	24
-Baseball 6	25
-Field 17	26
-Field 17	27
-Baseball 6	28
-Baseball 2	29
-Baseball 2	30
-Field 6	31
Soccer 9	**13,17,19,20**
-Baseball 5	13
-Baseball 5	17
-Baseball 5	19
-Baseball 5	20
Soccer 10	**13,15,16,17**
-Baseball 5	13
-Field 16	15
-Baseball 5	16
-Baseball 5	17
Field 15	**17,18,19,20**
-Baseball 5	17
-Baseball 5	18
-Baseball 5	19
-Baseball 5	20
Field 18	**21,22,23,24**
-Baseball 6	21
-Baseball 6	22
-Baseball 6	23
-Baseball 6	24
Softball 9	**21,22,23,24,25,28**
-Baseball 6	21
-Baseball 6	22
-Baseball 6	23
-Baseball 6	24
-Baseball 6	25
-Baseball 6	28
Soccer 11	**21,25,27,28**
-Baseball 6	21
-Baseball 6	25
-Field 17	27
-Baseball 6	28
Soccer 12	**21,23,24,25**
-Baseball 6	21

CONTINUED ON NEXT PAGE

SWITCHING SCHEDULE

Field/Zone Description	Zones
-Baseball 6	23
-Baseball 6	24
-Baseball 6	25
Field 17	**25,26,27,28**
-Baseball 6	25
-Field 17	26
-Field 17	27
-Baseball 6	28
Field 8 Service2	**29,30**
-Baseball 2	29
-Baseball 2	30
Field 6 Service2	**30,31**
-Baseball 2	30
-Field 6	31
Softball 4 Service2	**30**
Soccer 3 Service2	**30**

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
A18	Field 12	4	4	**6.5**	30	C1	2
B9	Baseball 3	13	13	**24.9**	30	C2	3
A17	Baseball 3	4	4	**5.9**	30	C3	4
A14	Field 13	4	4	**6.5**	30	C4	5
B8	Baseball 4	19	19	**37.8**	60	C5	6
A23	Baseball 4	12	12	**21.7**	30	C6	7
A26	Baseball 4	11	11	**21.2**	30	C7	8
A25	Baseball 4	5	5	**9.1**	30	C8	9
B11	Baseball 4	17	17	**34.0**	60	C9	10
A21	Baseball 4	12	12	**21.7**	30	C10	11
A22	Field 13	11	11	**21.2**	30	C11	12
B9	Baseball 5	18	18	**34.6**	60	C12	13
A18	Field 16	4	4	**5.9**	30	C13	14
A24	Field 16	11	11	**20.0**	30	C14	15
A28	Baseball 5	12	12	**21.7**	30	C15	16
B12	Baseball 5	18	18	**34.6**	60	C16	17
A27	Baseball 5	5	5	**9.7**	30	C17	18
A26	Baseball 5	11	11	**21.2**	30	C18	19
A23	Baseball 5	12	12	**21.7**	30	C19	20
B11	Baseball 6	17	17	**34.0**	60	C20	21
A25	Baseball 6	6	6	**9.7**	30	C21	22
A30	Baseball 6	12	12	**21.2**	30	C22	23
A31	Baseball 6	12	12	**21.7**	30	C23	24
B13	Baseball 6	18	18	**34.6**	60	C24	25
A32	Field 17	5	5	**6.5**	30	C25	26
A33	Field 17	12	12	**21.7**	30	C26	27
A29	Baseball 6	12	12	**21.7**	30	C27	28
A15	Baseball 2	4	4	**6.5**	30	C28	29
B8	Baseball 2	13	13	**24.9**	30	C29	30

CONTINUED ON NEXT PAGE

Control System Summary

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
A14	Field 6	4	4	**5.9**	30	C30	31

*Full Load Amps based on amps per driver.

Control System Summary

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
6	6	C1	Pole A18	6.50		
6	6	C2	Pole B9	24.94		
6	6	C3	Pole A17	5.86		
6	6	C4	Pole A14	6.50		
6	6	C5	Pole B8	37.76		
6	6	C6	Pole A23	21.74		
6	6	C7	Pole A26	21.16		
7	7	C8	Pole A25	9.13		
7	7	C9	Pole B11	33.97		
7	7	C10	Pole A21	21.74		
7	7	C11	Pole A22	21.16		
7	7	C12	Pole B9	34.55		
7	7	C13	Pole A18	5.86		
7	7	C14	Pole A24	20.00		
8	8	C15	Pole A28	21.74		
8	8	C16	Pole B12	34.55		
8	8	C17	Pole A27	9.71		
8	8	C18	Pole A26	21.16		
8	8	C19	Pole A23	21.74		
8	8	C20	Pole B11	33.97		
8	8	C21	Pole A25	9.71		
9	9	C22	Pole A30	21.16		
9	9	C23	Pole A31	21.74		
9	9	C24	Pole B13	34.55		
9	9	C25	Pole A32	6.48		
9	9	C26	Pole A33	21.74		
9	9	C27	Pole A29	21.74		
9	9	C28	Pole A15	6.50		
10	10	C29	Pole B8	24.94		
10	10	C30	Pole A14	5.86		

ZONE SCHEDULE

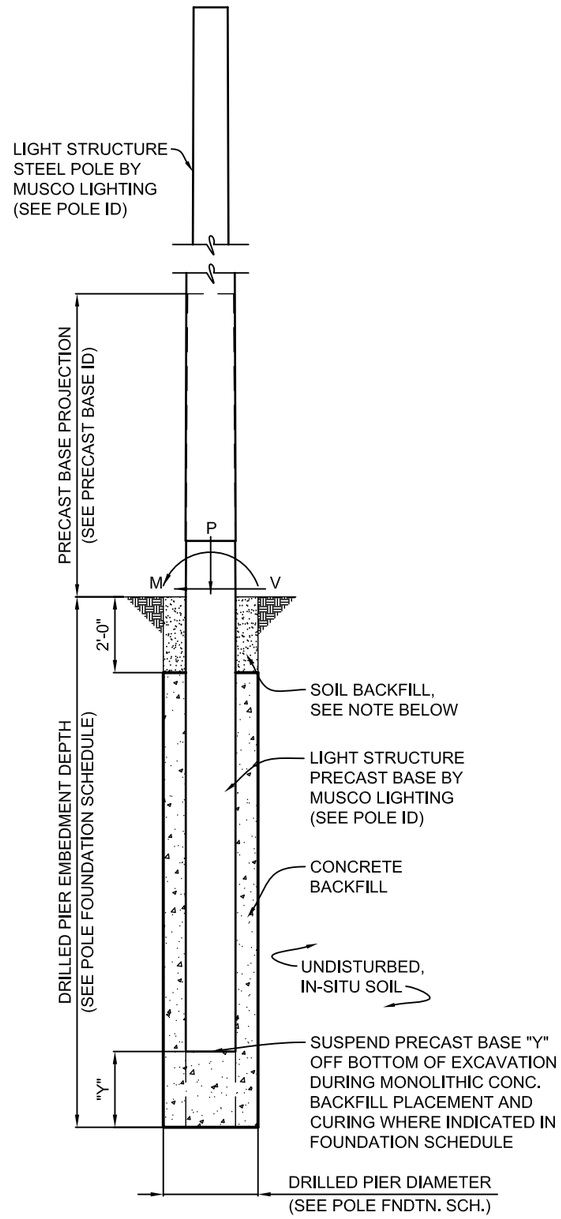
			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 2	1	Field 12	A18	C1
Zone 3	2	Baseball 3	B9	C2
Zone 4	3	Baseball 3	A17	C3
Zone 5	4	Field 13	A14	C4
Zone 6	5	Baseball 4	B8	C5
Zone 7	6	Baseball 4	A23	C6
Zone 8	7	Baseball 4	A26	C7
Zone 9	1	Baseball 4	A25	C8
Zone 10	2	Baseball 4	B11	C9
Zone 11	3	Baseball 4	A21	C10
Zone 12	4	Field 13	A22	C11

CONTINUED ON NEXT PAGE

ZONE SCHEDULE

			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 13	5	Baseball 5	B9	C12
Zone 14	6	Field 16	A18	C13
Zone 15	7	Field 16	A24	C14
Zone 16	1	Baseball 5	A28	C15
Zone 17	2	Baseball 5	B12	C16
Zone 18	3	Baseball 5	A27	C17
Zone 19	4	Baseball 5	A26	C18
Zone 20	5	Baseball 5	A23	C19
Zone 21	6	Baseball 6	B11	C20
Zone 22	7	Baseball 6	A25	C21
Zone 23	1	Baseball 6	A30	C22
Zone 24	2	Baseball 6	A31	C23
Zone 25	3	Baseball 6	B13	C24
Zone 26	4	Field 17	A32	C25
Zone 27	5	Field 17	A33	C26
Zone 28	6	Baseball 6	A29	C27
Zone 29	7	Baseball 2	A15	C28
Zone 30	1	Baseball 2	B8	C29
Zone 31	2	Field 6	A14	C30

D. STRUCTURAL INFORMATION



POLE FOUNDATION ELEV.

SCALE: NOT TO SCALE

SOIL BACKFILL NOTE:
THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

DESIGN NOTES

DESIGN PARAMETERS:
WIND: V_{ult} = 115 MPH, V_{asd} = 89 MPH (EXPOSURE C, RISK CATEGORY II) PER INTERNATIONAL BUILDING CODE, 2015 EDITION (ASCE 7-10). DESIGN WIND PARAMETERS ARE AS NOTED, ACTUAL EXPOSURE MUST BE VERIFIED FOR THE SITE BY THE PROPER GOVERNING OFFICIAL.

GEOTECHNICAL PARAMETERS:
ALLOWABLE END BEARING SOIL PRESSURE: 2,000 PSF
ALLOWABLE LATERAL SOIL BEARING PRESSURE:
0 PSF/FT (GRADE TO -2'-0"); 150 PSF/FT (BELOW -2'-0")
IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, CHAPTER 18.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE GEOTECHNICAL ENGINEERING REPORTS, PROJECT #08195021-03 & #08215116-01, PREPARED BY TERRACON CONSULTANTS, INC.; DES MOINES, IA.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 6'-0".

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

CONCRETE:
CONCRETE SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF 3,000 PSI. 3,000 PSI CONCRETE SPECIFIED FOR EARLY POLE ERECTION, ACTUAL REQUIRED MINIMUM ALLOWABLE CONCRETE STRENGTH IS 1,000 PSI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM UNDISTURBED SOIL.

GENERAL NOTES:
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

PRELIMINARY
FOR BID
PURPOSES ONLY

GRIMES
SPORTSPLEX
FIELD LIGHTING
GRIMES, IA

musco Lighting
CORPORATE: 100 1st AVE WEST
OSKALOOSA, IA 52577
(800) 825-6020

STRUCTURAL
ENGINEERS, P.C.
114 NICHOLAS DRIVE
MARSHALLTOWN, IOWA 50158
PHONE NUMBER: 641-752-6334
EMAIL: MSL.INFO@SEPC.BIZ

DRAWING TITLE:
POLE AND FOUNDATION
SCALE: SEE PLAN
NOTES:
SCAN #209347f

PROJECT NUMBER
209347

DATE
14 OCTOBER 2022

DRAWING NUMBER
C1
OF TWO

USE OR REPRODUCTION OF THIS INFORMATION OTHER THAN ITS INTENDED PURPOSE FOR THIS PROJECT IS PROHIBITED WITHOUT WRITTEN CONSENT FROM MUSCO SPORTS LIGHTING, LLC.

PRECAST BASE IDENTIFICATION

PRECAST BASE TYPE	PRECAST BASE WEIGHT	PRECAST BASE LENGTH	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT	OUTSIDE DIAMETER
2B	1,690 LBS	17'-3"	7'-3"	10'-0"	12.00"
3B	2,470 LBS	20'-0"	8'-0"	12'-0"	13.38"
4B	3,490 LBS	22'-0"	8'-0"	14'-0"	15.75"
5B	4,580 LBS	23'-11"	7'-11"	16'-0"	18.25"
6B	6,930 LBS	26'-1"	8'-1"	18'-0"	20.56"
7B	10,160 LBS	27'-10"	7'-10"	20'-0"	23.75"

POLE IDENTIFICATION

POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT^2)
A1 - A5, A7, A12, A13, A15, A17, A19, A20	LSS70AA	2B	4 (3)	10.5
A6, A8, A27	LSS70A	3B	5 (4)	12.3
A9, A10	LSS70C	4B	10 (4) / (4)	22.2
A11, A14, A16, A18	LSS70B	3B	8 (3) / (3)	19.8
A21	LSS80A	4B	8 (5)	21.2
A22	LSS80B	5B	7 (6)	19.2
A23	LSS80B	5B	16 (5) / (5)	39.3
A24	LSS70B	3B	7 (6)	14.4
A25	LSS70C	4B	11 (4) / (4)	25.2
A26	LSS80B	5B	14 (6) / (6)	36.0
A28	LSS70B	3B	8 (5)	21.2
A29 - A31, A33	LSS80B	5B	12 (5+4)	33.3
A32	LSS70AA	2B	5 (3)	11.5
B1 - B4, B7, B10	LSS90A	5B	13 (5+5)	34.3
B5, B6	LSS90C	7B	26 (5+5) / (5+5)	64.6
B8, B9	LSS90C	7B	27 (5+5) / (6+5)	68.2
B11	LSS90C	7B	31 (6+5) / (7+7)	81.1
B12	LSS90B	6B	14 (6+5)	37.0
B13	LSS90B	6B	18 (5+5+5)	47.0

- A1 - A8, A12, A13, A15, A17, A19, A20, A22, A24, & A27 HAVE (1) MUSCO LED AT 15'-6" AGL INCLUDED ABOVE.
- A9 - A11, A14, A16, A18, A26, & A32 HAVE (2) MUSCO LED's AT 15'-6" AGL INCLUDED ABOVE.
- A21, A25, A28 - A31, A33, B1 - B4, B7, B10, B12, & B13 HAVE (3) MUSCO LED's AT 15'-6" AGL INCLUDED ABOVE.
- A23, B5, B6, B8, B9, & B11 HAVE (6) MUSCO LED's AT 15'-6" AGL INCLUDED ABOVE.

POLE FOUNDATION SCHEDULE

POLE DESIGNATION	FORCES (1.)			DRILLED PIER			
	MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS	DIAMETER INCHES	EMBEDMENT DEPTH	SUSPENSION "Y" (2.)	CONCRETE BACKFILL YD^3 (3.)
A1 - A5, A7, A12, A13, A15, A17, A19, A20	43,869	1,012	1,236	42	12'-0"	2'-0"	3.4
A6, A8, A27	51,409	1,175	1,505	42	12'-0"	NA	3.3
A9, A10	76,651	1,652	2,425	42	14'-0"	NA	3.7
A11, A14, A16, A18	65,650	1,388	1,751	42	13'-0"	1'-0"	3.6
A21	85,211	1,733	2,306	42	14'-0"	NA	3.7
A22	95,163	1,911	3,188	42	16'-0"	NA	4.1
A23	123,929	2,416	3,766	42	16'-0"	NA	4.1
A24	58,898	1,274	1,788	42	13'-0"	1'-0"	3.6
A25	78,909	1,715	2,482	42	14'-0"	NA	3.7
A26	137,531	2,451	3,884	42	16'-0"	NA	4.1
A28	65,424	1,423	1,861	42	13'-0"	1'-0"	3.6
A29 - A31, A33	119,678	2,283	3,528	42	16'-0"	NA	4.1
A32	41,846	1,017	1,279	42	12'-0"	2'-0"	3.4
B1 - B4, B7, B10	150,557	2,485	3,827	42	16'-0"	NA	4.1
B5, B6	227,812	3,743	7,082	42	20'-0"	NA	4.4
B8, B9	238,414	3,858	7,244	42	20'-0"	NA	4.4
B11	275,426	4,258	7,787	42	20'-0"	NA	4.4
B12	158,639	2,730	4,466	42	18'-0"	NA	4.4
B13	186,446	3,045	4,798	42	18'-0"	NA	4.4

1. ASD LOAD COMBINATION D + 0.6W.
   VERTICAL FORCE IS WEIGHT OF DRESSED POLE (DOES NOT INCLUDE PRECAST BASE WEIGHT)
2. SUSPEND PRECAST BASE "Y" OFF THE BOTTOM OF THE EXCAVATION DURING MONOLITHIC CONCRETE BACKFILL PLACEMENT AND CURING. NA = NOT APPLICABLE, SUSPENSION NOT REQUIRED.
3. MINIMUM CONCRETE BACKFILL VOLUME, SITE CONDITIONS MAY REQUIRE ADDITIONAL BACKFILL.

PRELIMINARY
FOR BID
PURPOSES ONLY

GRIMES
SPORTSPLEX
FIELD LIGHTING
GRIMES, IA

musco Lighting
CORPORATE: 100 1st AVE WEST
OSKALOOSA, IA 52577
(800) 825-6020

STRUCTURAL ENGINEERS, P.C.
114 NICHOLAS DRIVE
MARSHALLTOWN, IOWA 50158
PHONE NUMBER: 641-752-6334
EMAIL: MSLINFO@SEPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION
SCALE: SEE PLAN
NOTES: SCAN #209347f

PROJECT NUMBER
209347

DATE
14 OCTOBER 2022

DRAWING NUMBER
C2
OF TWO

USE OR REPRODUCTION OF THIS INFORMATION OTHER THAN ITS INTENDED PURPOSE FOR THIS PROJECT IS PROHIBITED WITHOUT WRITTEN CONSENT FROM MUSCO SPORTS LIGHTING, LLC.

E. WARRANTY

Musco Constant 25™

25-Year Product Assurance & Warranty Program

Project name: Grimes Sportsplex Project number: 209347

Owner: City of Grimes City: Grimes State: IA

Covered product(s): Light-Structure System™ with TLC for LED™ technology

Date issued: Date of Shipment Expiration: Date of Shipment + 25 Years

Musco Sports Lighting, LLC will provide all materials and labor to maintain operation of your lighting system to original design criteria for 25 years. Musco products and services are guaranteed to perform on your project as detailed in this document.

Light Performance

Specified illumination levels will be maintained and are marked as guaranteed in the Musco Illumination Summary.

Individual luminaire outages that occur during the warranty and maintenance period are repaired when the usage of any field is materially impacted.

Spill Light Control

If specified, spill light levels at identified locations are guaranteed to be controlled to the maximum values provided in the Musco Illumination Summary.

Energy Consumption

Total average kW consumption for your lighting system is guaranteed to be not more than the total load shown in the Musco Illumination Summary.

Monitoring, Maintenance, and Control Services

Musco shall monitor the performance of your lighting system, including on/off status, hours of usage, and luminaire outages. If outages that affect playability are detected, Musco will contact you and proactively dispatch technicians.

On-off control of your lighting system is provided via an easy-to-use web site scheduling system, smartphone app, phone, email, or fax. Our trained Control-Link Central™ service center staff is available toll-free 24/7. Regular usage reports are always available on Control-Link Central's web site.

Structural Integrity

Your project has been designed to IBC, 2015, 115mph, Exposure C .
Structural integrity of equipment manufactured by Musco is guaranteed.

Musco has a team of people to ensure fulfillment of our product and services warranty and maintains financial reserves dedicated to support our fulfillment of this warranty. Please keep this document as your signed contract guaranteeing comprehensive service for the 25 year period.

©2005, 2019 Musco Sports Lighting, LLC

Musco Constant 25™

25-Year Product Assurance & Warranty Program

Terms and Conditions

Service under this Contract is provided by Musco Sports Lighting, LLC ("Musco") or an authorized servicer approved by Musco. Services performed under this Contract shall consist of furnishing labor and parts necessary to restore the operation of the Covered Product(s) to original design criteria provided such service is necessitated by failure of the Covered Product(s) during normal usage. This Contract covers Product(s) consisting of Musco's Total Light Control – TLC for LED® with Control-Link® and any additional Musco manufactured product as listed on page 1.

"We", "us," and "our" mean Musco. "You" and "your" mean the purchaser of the Covered Product(s). No one has the authority to change this Contract without the prior written approval of Musco. Musco shall not assume responsibility for their agents or assignees other than as described below. If there is a conflict between the terms of this Contract and information communicated either orally or in writing by one or more of our employees or agents, this Contract shall control.

Additional Provisions

1. Availability of Service: Control-Link Central™ operators shall be available 24/7 via web site, phone, fax, or email. Maintenance service specialists shall be available 8AM to 5PM Central Time, and services shall be rendered during these same hours in your local time zone, Monday through Friday (with the exception of national holidays). Hours of operation are subject to change without notice to you. Musco will exercise all reasonable efforts to perform service under this Contract, but will not be responsible for delays or failure in performing such services caused by adverse weather conditions, acts of any government, failure of transportation, accidents, riots, war, labor actions or strikes or other causes beyond its control.

2. Determination of Repairs: Musco will utilize the field monitoring system and any information provided by the customer to determine when the usage of the field is materially impacted. From this information, Musco will determine needed repair and/or replacement of Covered Product(s) and parts. Repair will be with Product(s) of like kind and quality.

3. Your Requirements Under this Contract: You must meet all electrical and installation requirements as specified by the manufacturer. In addition, you promise and assure: full cooperation with Musco, Musco's technicians and authorized servicers during telephone diagnosis and repair of the Covered Product(s); reasonable accessibility of the Covered Product(s); a nonthreatening and safe environment for service.

   You agree to check fuses and to replace fuses as needed. Musco provides spare fuses in the lowest alpha-numeric numbered enclosure. Musco will replenish spare fuses used.

   You agree to keep your control system online. This means keeping the required control voltage to the control system at all times. Any deviation from this practice must be discussed with Musco's Warranty Department.

4. Service Limitations — This Contract does not cover: Maintenance, repair, or replacement necessitated by loss or damage resulting from any external causes such as, but not limited to, theft, environmental conditions, negligence, misuse, abuse, improper electrical/power supply, unauthorized repairs by third parties, attachments, damage to cabinetry, equipment modifications, vandalism, animal or insect infestation, physical damage to Covered Product(s) parts or components, failure of existing structures, supporting electrical systems or any non-Musco equipment, or acts of God/nature (including, but not limited to: earthquake, flood, tornadoes, typhoons, hurricanes, or lightning).

5. Contract Limitations:

   a. EXCLUSIONS FROM COVERAGE: IN NO EVENT WILL MUSCO BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH INCLUDE, BUT ARE NOT LIMITED TO, ANY DELAY IN RENDERING SERVICE OR LOSS OF USE DURING THE REPAIR PERIOD OF THE COVERED PRODUCT(S) OR WHILE OTHERWISE AWAITING PARTS.

   b. Limitation of Liability: To the extent permitted by applicable law, the liability of Musco, if any, for any allegedly defective Covered Product(s) or components shall be limited to repair or replacement of the Covered Product(s) or components at Musco's option. THIS CONTRACT IS YOUR SOLE EXPRESS WARRANTY WITH RESPECT TO THE COVERED PRODUCT(S). ALL IMPLIED WARRANTIES WITH RESPECT TO THE COVERED PRODUCT(S) INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED.

   c. For the purposes of and by your acceptance of this Contract you acknowledge and agree that if a surety bond ("Bond") is provided the warranty and/or maintenance guarantee provided for in this Contract and any corresponding liability on behalf of the issuing surety under the Bond is limited to the first twelve (12) months of said warranty and/or maintenance guarantee coverage period. Any warranty and/or guarantee coverage period in excess of said initial 12 month period does not fall within the scope of the Bond and shall be the sole responsibility of Musco.

   d. Musco requires reasonable access for a crane or man lift equipment to service the lighting system. Musco will not be responsible for damage from operating the vehicle on the property when the equipment is operated in the prescribed manner over the designated access route.

   e. Obsolescence or Environmental Restrictions: If during any maintenance or other work performed under this Warranty, any of the parts of the Covered Product(s) are found to be either obsolete, no longer available, or prohibited by any state of federal agency, Musco shall replace said parts with comparable parts and materials with equal operating characteristics solely at Musco's discretion. The cost of replacement of any obsolete cellular related technology shall be borne by you. Prior to completing any such work, Musco shall notify you of the cost (if any) you will incur in the replacement of such parts under this section.

6. Transfer and Assignment: Except to owners, you shall not have the right to assign or otherwise transfer your rights and obligations under this Contract except with the prior written consent of Musco; however, a successor in interest by merger, operation of law, assignment or purchase or otherwise of your entire business shall acquire all of your interests under this Contract.

7. Governing Law: Unless otherwise governed by applicable state law, the Contract shall be interpreted and enforced according to the laws of the State of Iowa.

8. Subrogation: In the event Musco repairs or replaces any Covered Product(s), parts or components due to any defect for which the manufacturer or its agents or suppliers may be legally responsible, you agree to assign your rights of recovery to Musco. You will be reimbursed for any reasonable costs and expenses you may incur in connection with the assignment of your rights. You will be made whole before Musco retains any amounts it may recover.

Signature: _____

Vice President of Sales

©2005, 2019 Musco Sports Lighting, LLC

F. PRODUCT INFORMATION

TLC for LED®

5 Easy Pieces™

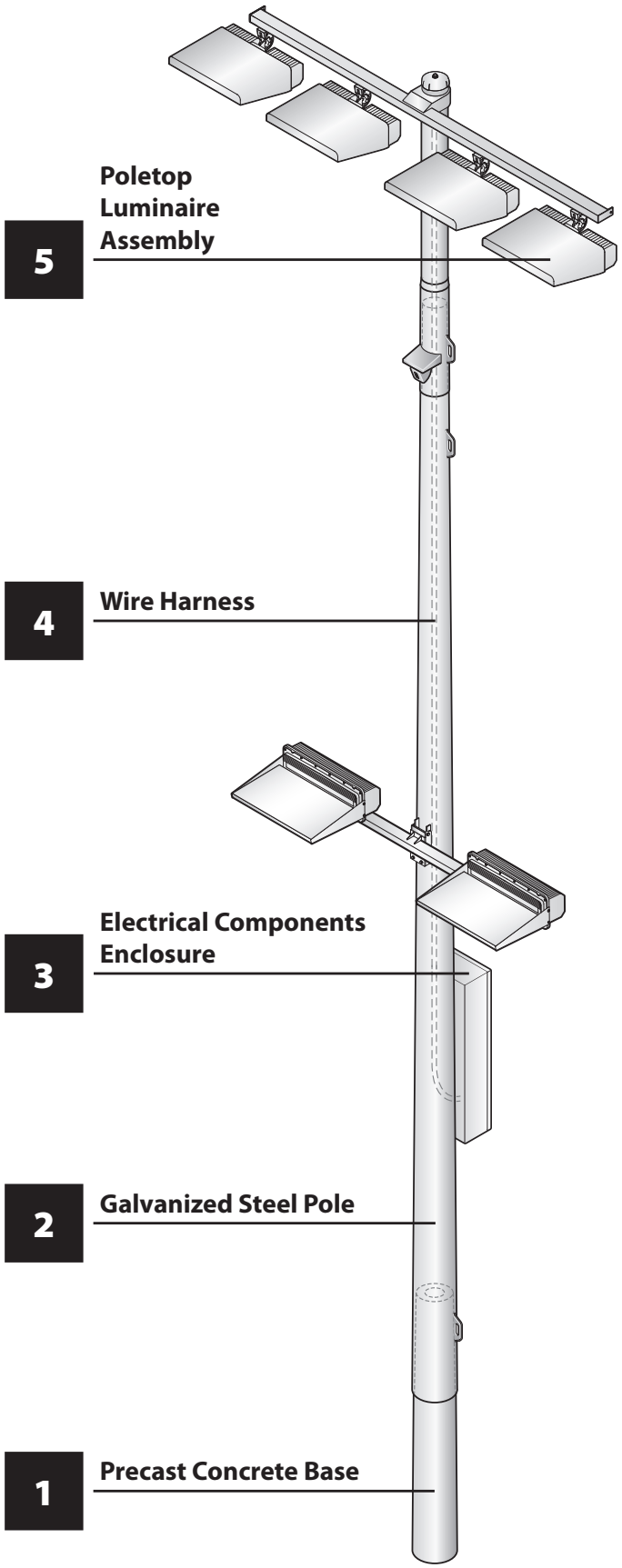
Complete System from Foundation to Poletop

Factory wired, aimed, and tested

Fast, trouble-free installation

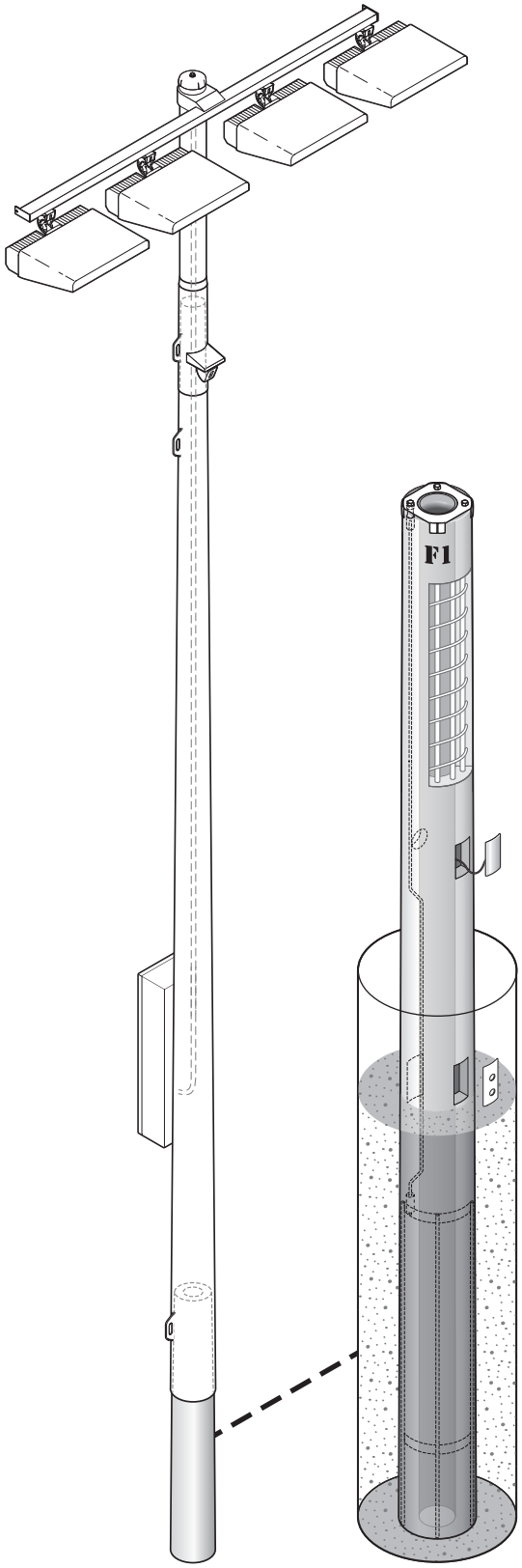
Comprehensive corrosion package

Integrated lightning ground



TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2015, 2019 Musco Sports Lighting, LLC · U.S. and foreign patent(s) issued and pending. · M-2214-en04-3

TLC for LED® – Precast Concrete Base



Overview

The precast concrete base is set directly into the ground and backfilled with concrete. The base includes an integrated lightning ground system.

Features

Base

- Set pole on base in 24 hours
- Tapered upper section for slip-fit steel pole
- Access holes for wire entry
- Epoxy-coated ends prevent water intrusion
- Lifting hole accepts load-rated steel rod provided by Musco

Integrated Lightning Ground System

- Complies with NFPA 780, UL 96A, and EN 62305 standards when installed per Musco installation instructions
- UL Listed, Class II Lightning Protection, file number E337467
- Tested up to 100 kA by independent laboratory
- Steel pole interfaces with integrated grounding system by means of the pole grounding connector
- 2/0 AWG (crossectional area of 67.4 mm^2) grounding electrode conductor
- Concrete-encased grounding electrode, 20 feet (6.1 m) total length, ½ inch (12.7 mm) diameter

Technical Specifications

Base dimensions vary. For measurements refer to project-specific *Foundation and Pole Assembly* drawing.

Construction

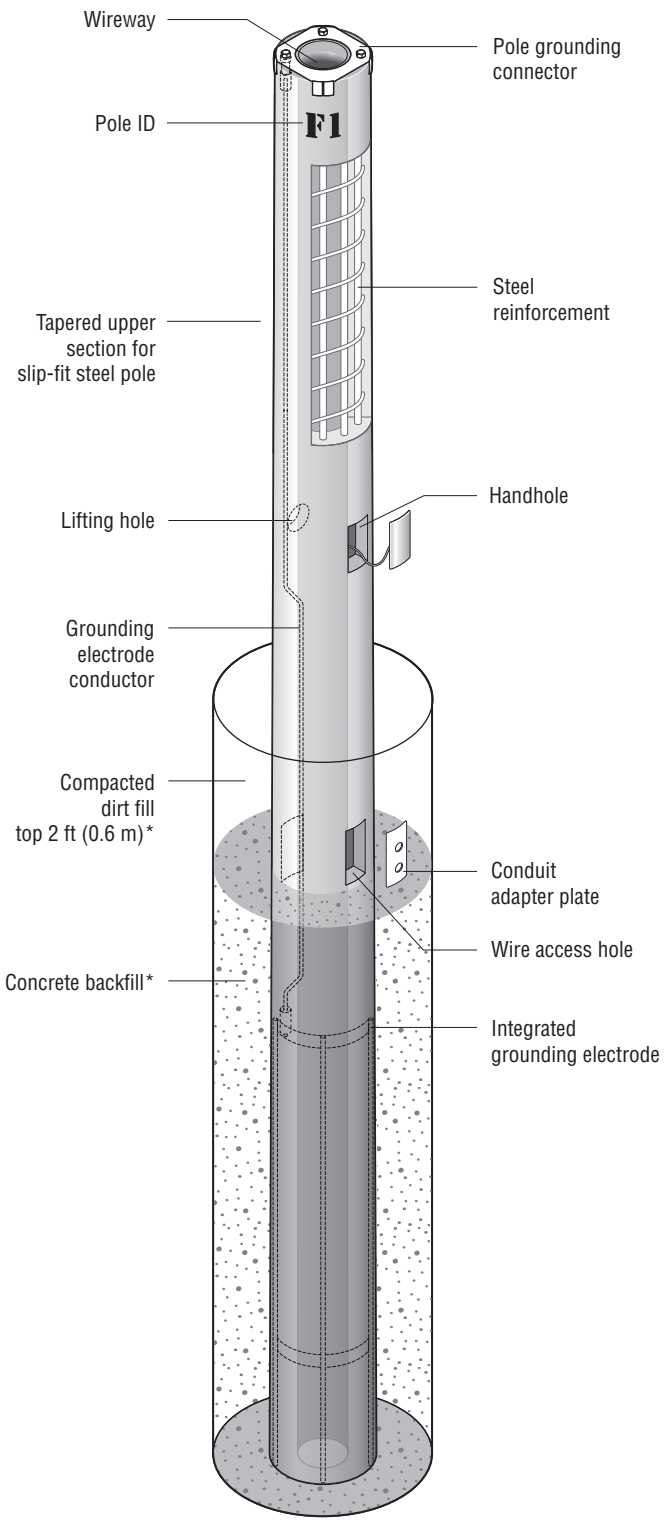
- Spun concrete construction
- Prestressed steel vertical strands and coil spiral for strength throughout base
- Minimum design strength is 9500 lb/in^2 (65.5 MPa) at 28 days
- Meets ASTM C1804 design requirements

Quality Assurance Tests

- 28-day compressive strength
- Bending moment capacity
- Grounding system continuity

TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2012, 2019 Musco Sports Lighting, LLC · U.S. patents issued. · M-2215-en04-3

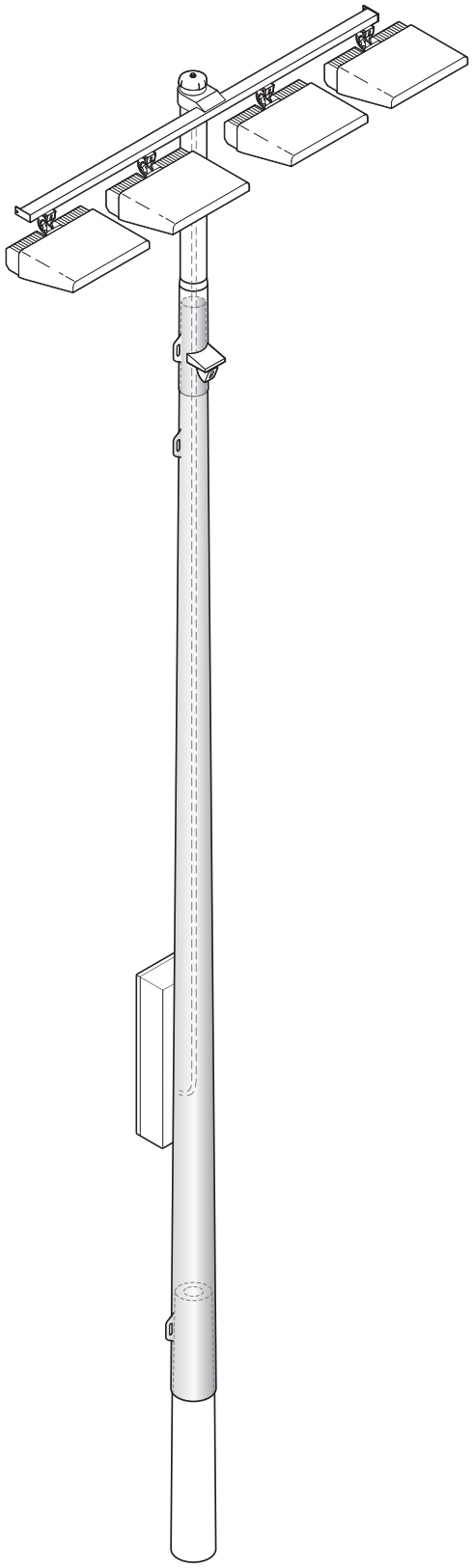
TLC for LED® – Precast Concrete Base



*Standard pier foundation shown. Foundation and/or backfill may vary per alternate foundation design.

TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2012, 2019 Musco Sports Lighting, LLC · U.S. patents issued. · M-2215-en04-3

TLC for LED® – Galvanized Steel Pole



Overview

The galvanized steel pole is designed to slip-fit together with the precast concrete base and the poletop luminaire assembly.

Features

- Slip-fit connection allows pole assembly with come-alongs
- Built-in hardware for attaching electrical components enclosure
- Wire access from inside the pole (no exposed wiring or conduit)
- Shipped in sections for easier handling
- Labeled with pole identification for location on field

Technical Specifications

Pole dimensions vary. For measurements refer to project specific pole configuration drawing.

Construction

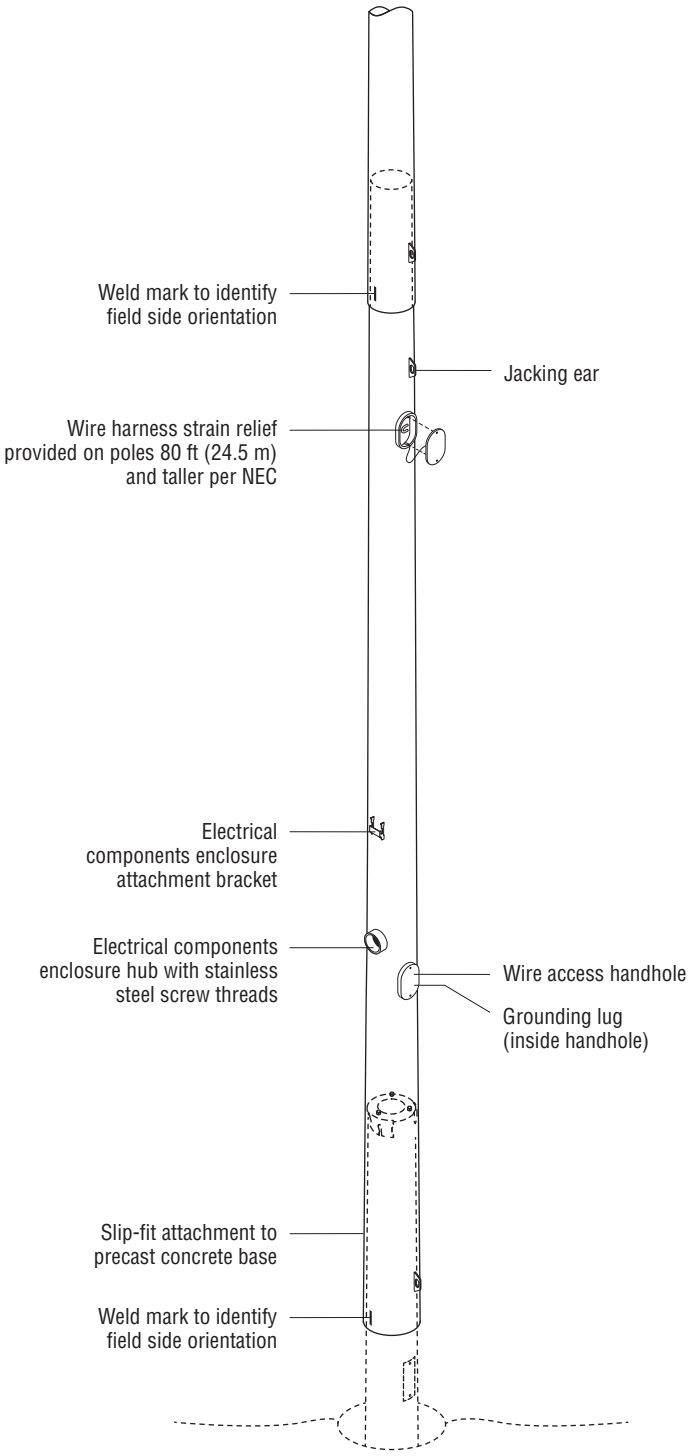
- Pole designs comply with all major building codes
- High strength, low alloy, tapered, round steel pole
- Hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- Conforms to AASHTO stress standards and BS EN 40-3-1
- Grounding lug—rated for aluminum (AL) or copper (CU) wiring
- Pole shipped in sections
- Stainless steel fasteners passivated and coated
- Material certifications are available

Quality Assurance Tests

- Bending stress
- Minimum galvanizing thickness
- Straightness measurement

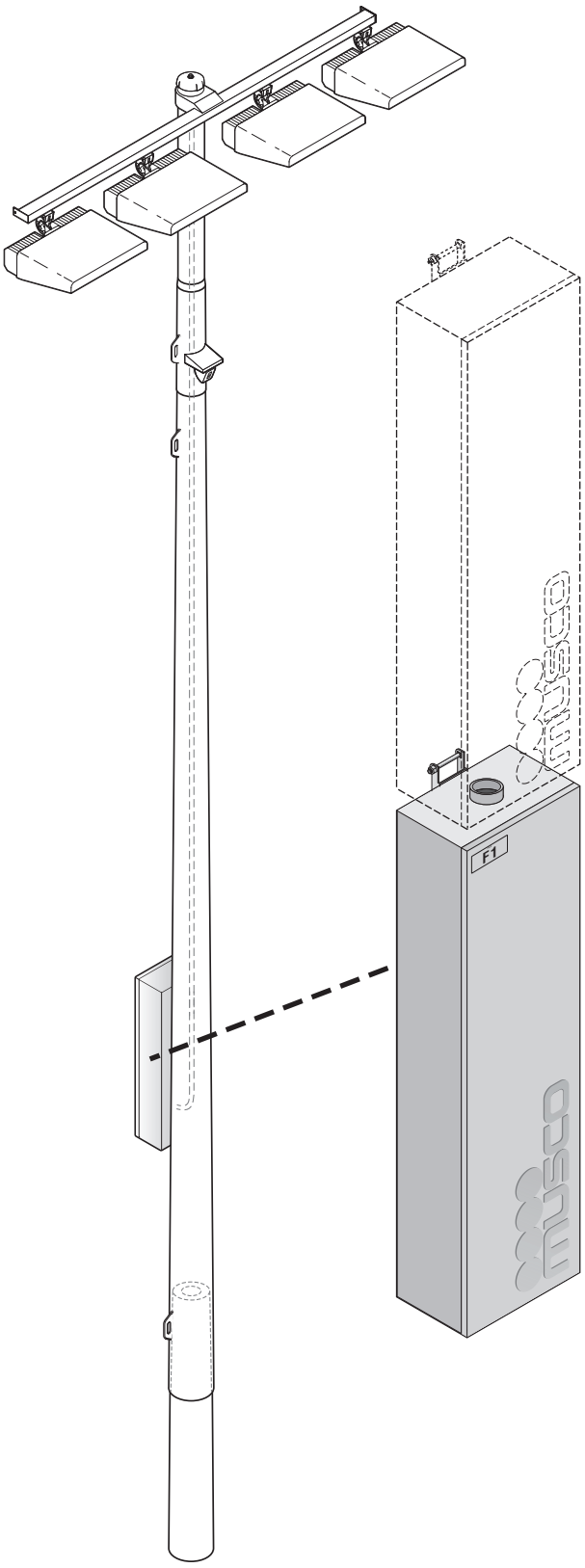
TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2005, 2019 Musco Sports Lighting, LLC · M-2216-en04-3

TLC for LED® – Galvanized Steel Pole



TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2005, 2019 Musco Sports Lighting, LLC · M-2216-en04-3

TLC for LED® – Electrical Components Enclosure



Overview

The electrical components enclosure contains all necessary equipment to operate luminaires. Built-in mounting hardware allows for easy attachment to the galvanized steel pole. Quick connect plugs fasten to the wire harness.

Features

- Factory-built and tested as a unit
- Quick connect plug for easy field wiring
- Mounted 10 ft (3 m) above grade for servicing with ladder
- Labeled with pole identification and electrical information
- Drivers individually fused and spare fuses supplied
- Wire access from inside the pole (no exposed wiring or conduit)
- Disconnect per circuit

Technical Specifications

For amperage draws and circuitry refer to project specific document.

Construction

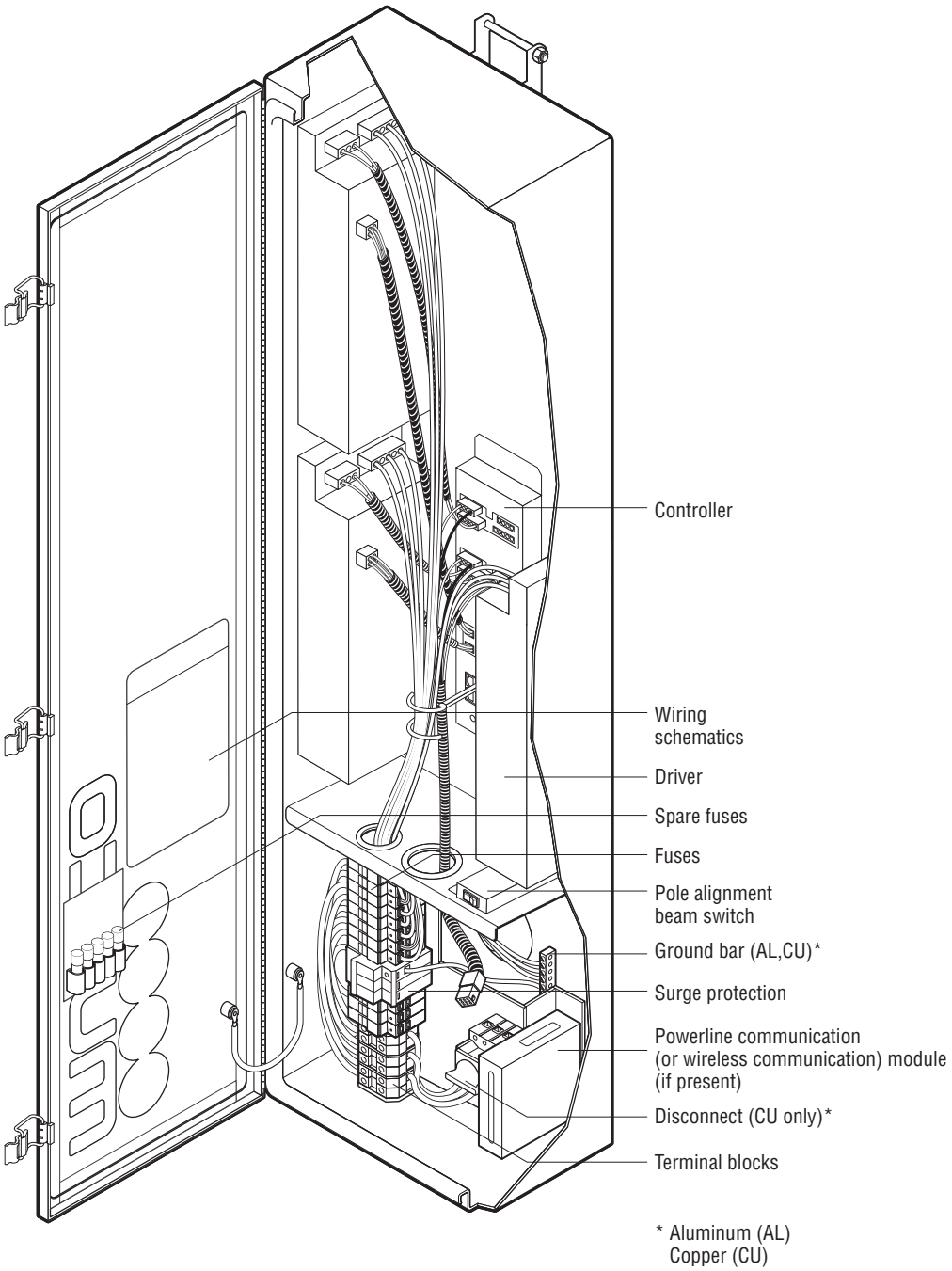
- 0.08 inch (2 mm) thick, powder-coated aluminum
- Enclosure ratings: NEMA 3R, IP54
- Designed to operate in up to 50˚ C (122˚ F) ambient temperature
- Full length stainless steel hinge
- All stainless steel fasteners passivated and coated
- Meets touchsafe standards
- Up to four drivers per enclosure
- Approximate weight 65 lb (29 kg)
- Lower enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 52.5 in (1334 mm) high
- Upper enclosure size 14.25 in (362 mm) wide x 8 in (203 mm) deep x 40.5 in (1029 mm) high

Quality Assurance Tests

- Grounding continuity
- High potential dielectric withstand
- Full functionality test

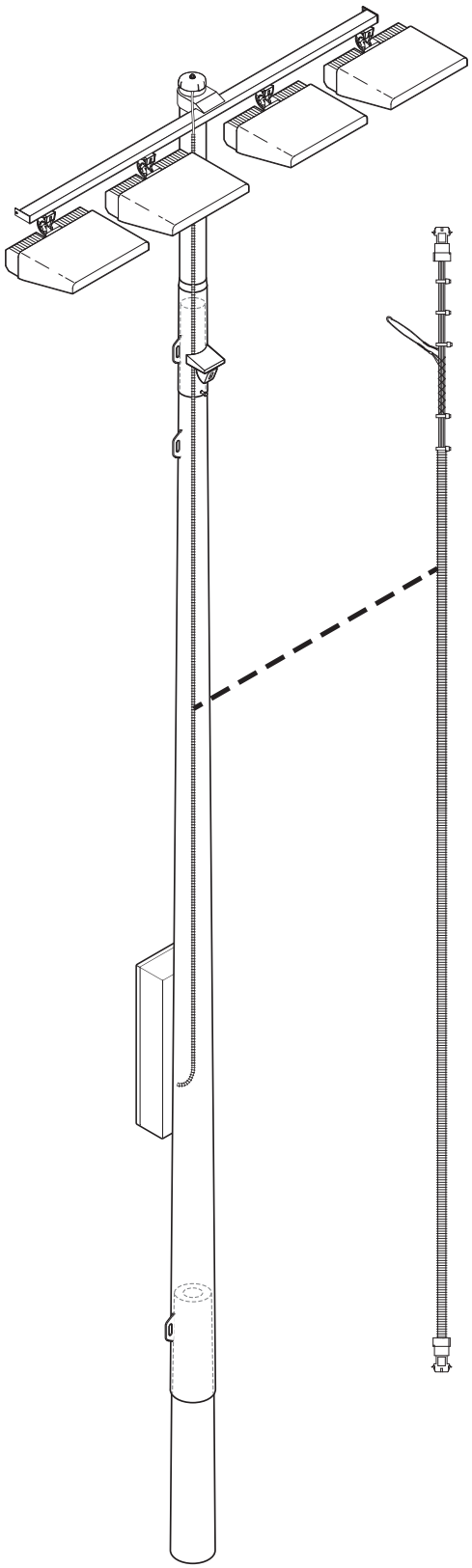
TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2015, 2019 Musco Sports Lighting, LLC · ECE 9 · M-2217-en04-3

TLC for LED® – Electrical Components Enclosure



TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2015, 2019 Musco Sports Lighting, LLC · ECE 9 · M-2217-en04-3

TLC for LED® – Wire Harness



Overview

The factory-built wire harness connects the electrical components enclosure to the poletop luminaire assembly.

Features

- Quick connect plugs for easy field wiring
- Factory-assembled support grip alleviates strain on connections
- Spiral wound cable eliminates slippage
- Protective sleeve prevents wire damage
- All internal wiring, no exposed wires
- Labels identify pole and luminaires

Technical Specifications

Construction

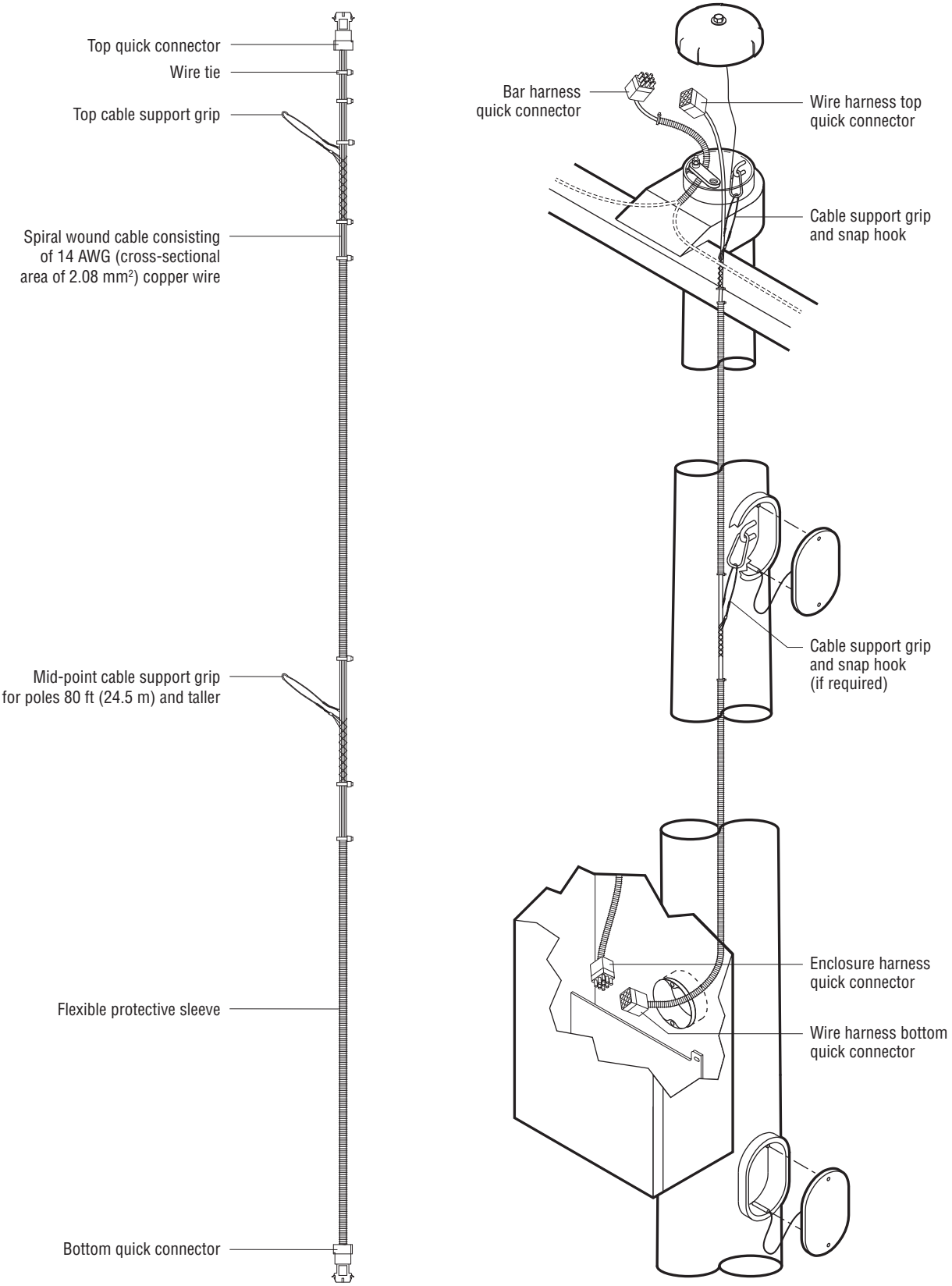
- Spiral wound, wrapped cable, 14 AWG (cross-sectional area of 2.08 mm^2) copper wire
- Integral cable support grip
- Two wires per driver
- Each harness supports up to four drivers
- Multiple top connectors may be present if required for number of luminaires

Quality Assurance Tests

- Connector/load resistance
- High potential dielectric withstand
- Grounding continuity
- Termination crimp

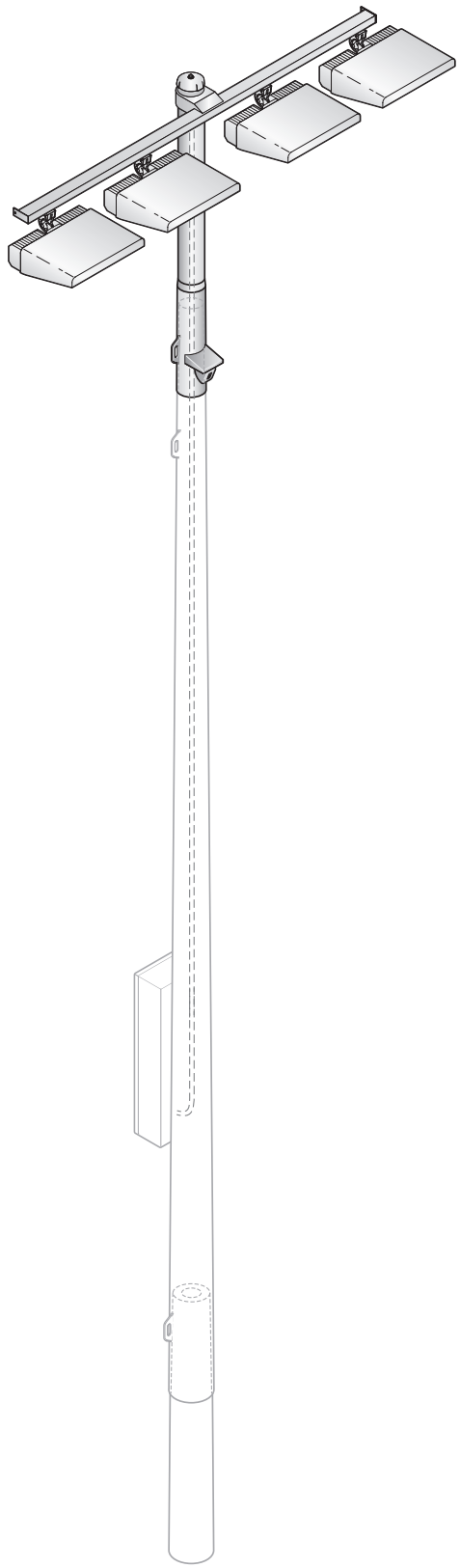
TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2005, 2019 Musco Sports Lighting, LLC · M-2218-en04-3

TLC for LED® – Wire Harness



TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2005, 2019 Musco Sports Lighting, LLC · M-2218-en04-3

TLC for LED® – Poletop Luminaire Assembly, Weld On



Overview

The factory-aimed poletop luminaire assembly is the upper section of the pole and slip-fits together with the galvanized steel pole.

Features

- Each luminaire is factory-built, tested, and ships as a unit
- Luminaires are factory-aimed to two-tenths degree of accuracy
- Luminaire mounts and connects in a single step
- Slip-fit connection allows assembly with come-alongs
- All luminaires are factory-wired to a quick connect harness for easy installation
- Labels identify pole and luminaire location
- No exposed wiring or conduit
- Factory-set pole alignment beam allows easy field alignment

Technical Specifications

Construction

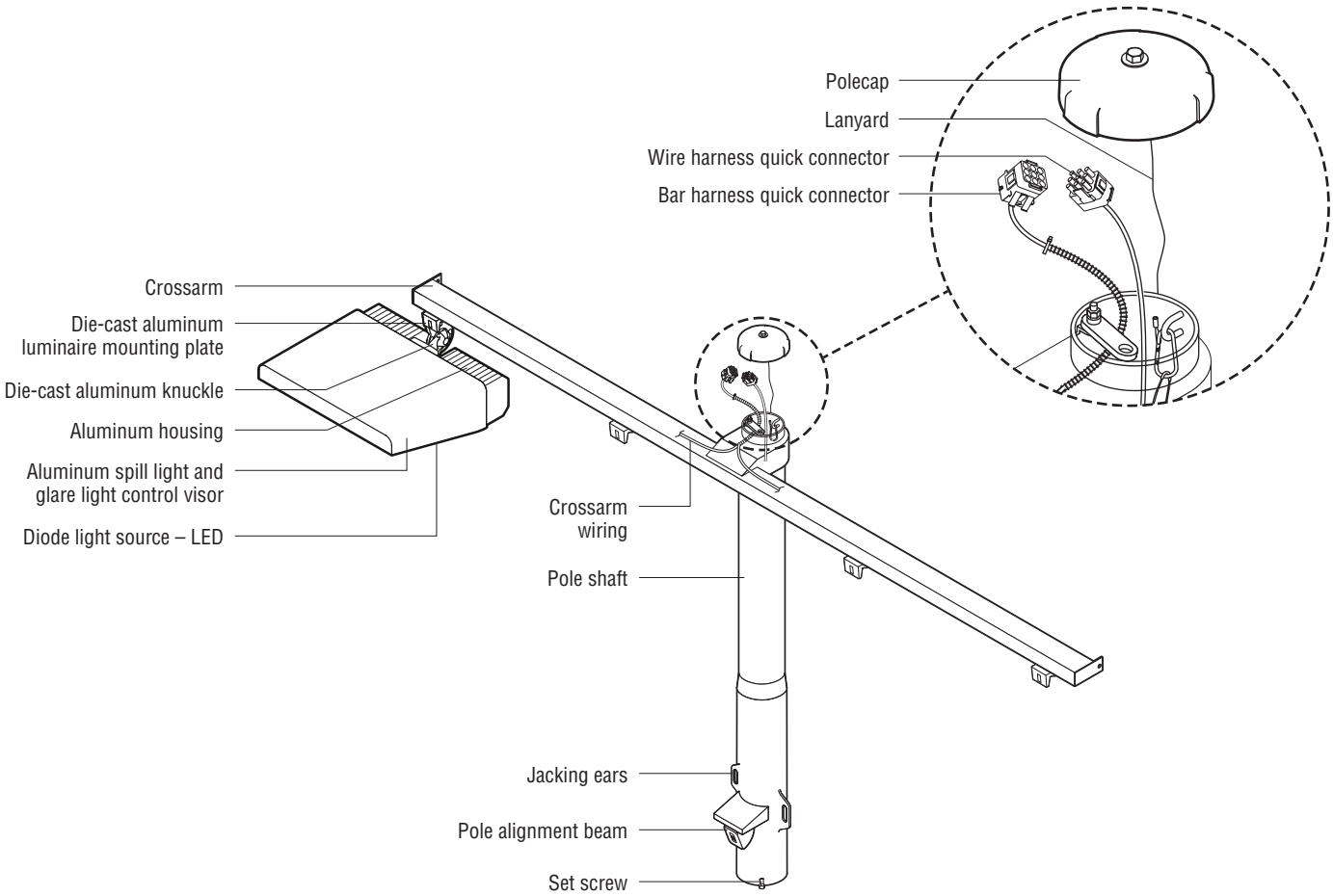
- Crossarms and pole shaft hot-dip galvanizing inside and outside after fabrication meets ASTM-A123 and EN 1461 standards
- All aluminum components are powder-coated or anodized to mil-A-8625F and BS 5599
- Luminaire and knuckle are powder-coated die-cast aluminum
- All stainless steel fasteners are passivated and coated
- Crossarms are constructed of rectangular steel tubing
- Polecap is attached with stainless steel lanyard and securing bolt

Quality Assurance Tests

- Galvanizing thickness
- High potential dielectric withstand
- Electrical continuity

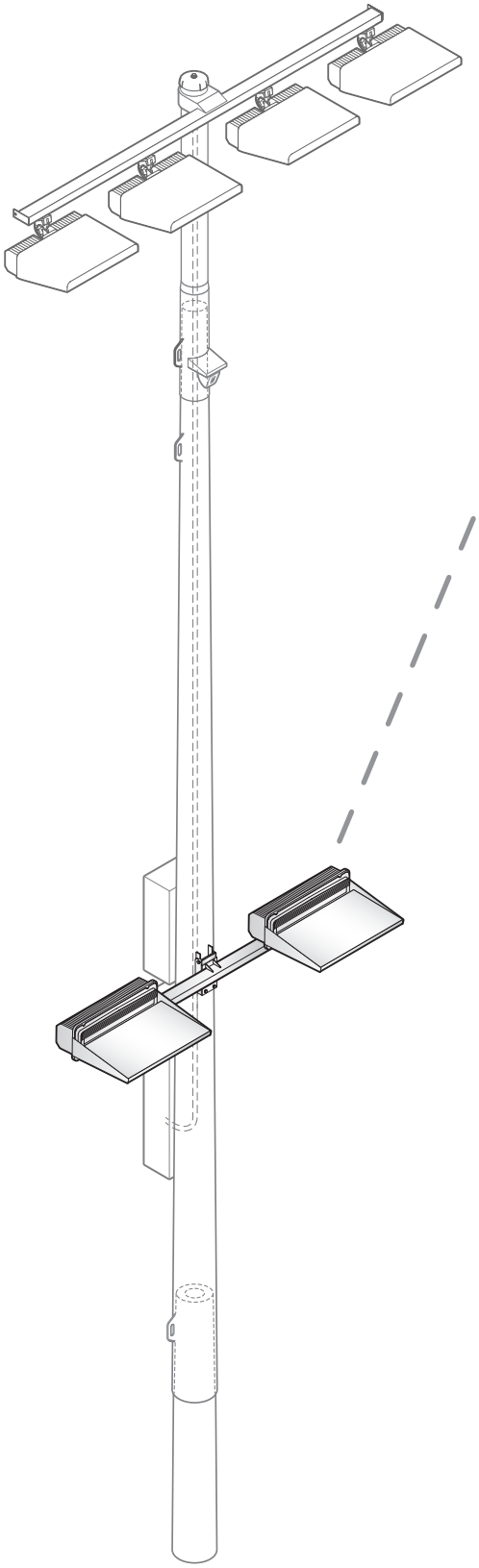
TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2015, 2019 Musco Sports Lighting, LLC · U.S. and foreign patent(s) issued and pending. · M-2219-en04-3

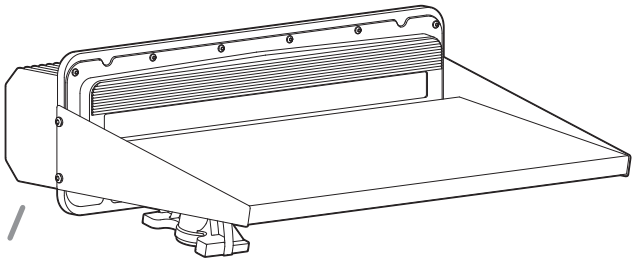
TLC for LED® – Poletop Luminaire Assembly, Weld On



TLC for LED is a trademark of Musco Sports Lighting, LLC and is registered in the United States.
©2015, 2019 Musco Sports Lighting, LLC · U.S. and foreign patent(s) issued and pending. · M-2219-en04-3

Luminaire and Driver – TLC-BT-575





Luminaire Data

Weight (luminaire)	34 lb (15 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens[1]	52,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

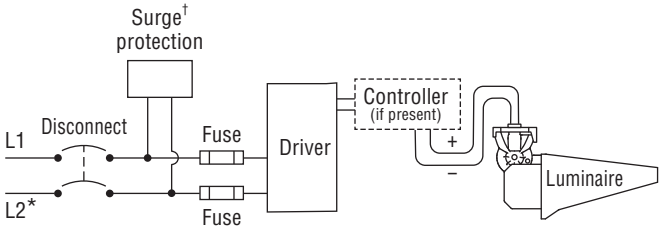
Luminaire and Driver – TLC-BT-575

Driver Data

Electrical Data

Rated wattage[1]	
Per driver	575 W
Per luminaire	575 W
Number of luminaires per driver	1
Starting (inrush) current	<40 A, 256 µs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Total harmonic distortion (THD) at full output	<20%

Typical Wiring



* If L2 is neutral then not switched or fused.
† Not present if indoor installation.

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire[2]	3.48 A	3.35 A	3.16 A	3.03 A	2.90 A	2.51 A	2.01 A	1.83 A	1.74 A	1.68 A	1.45 A

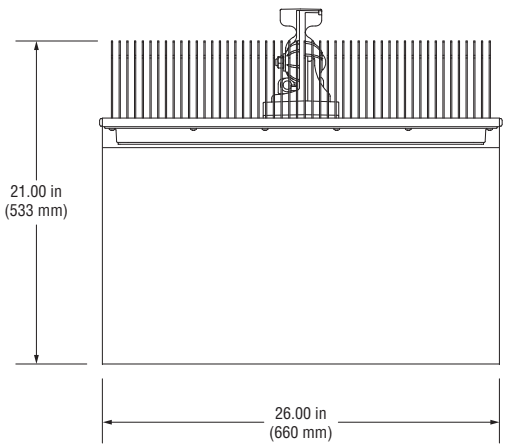
Footnotes:

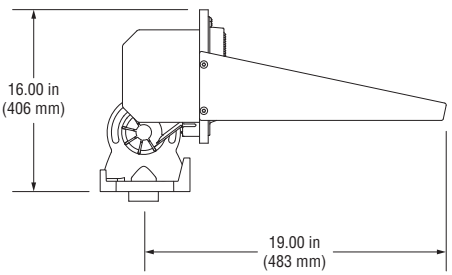
1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.

2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

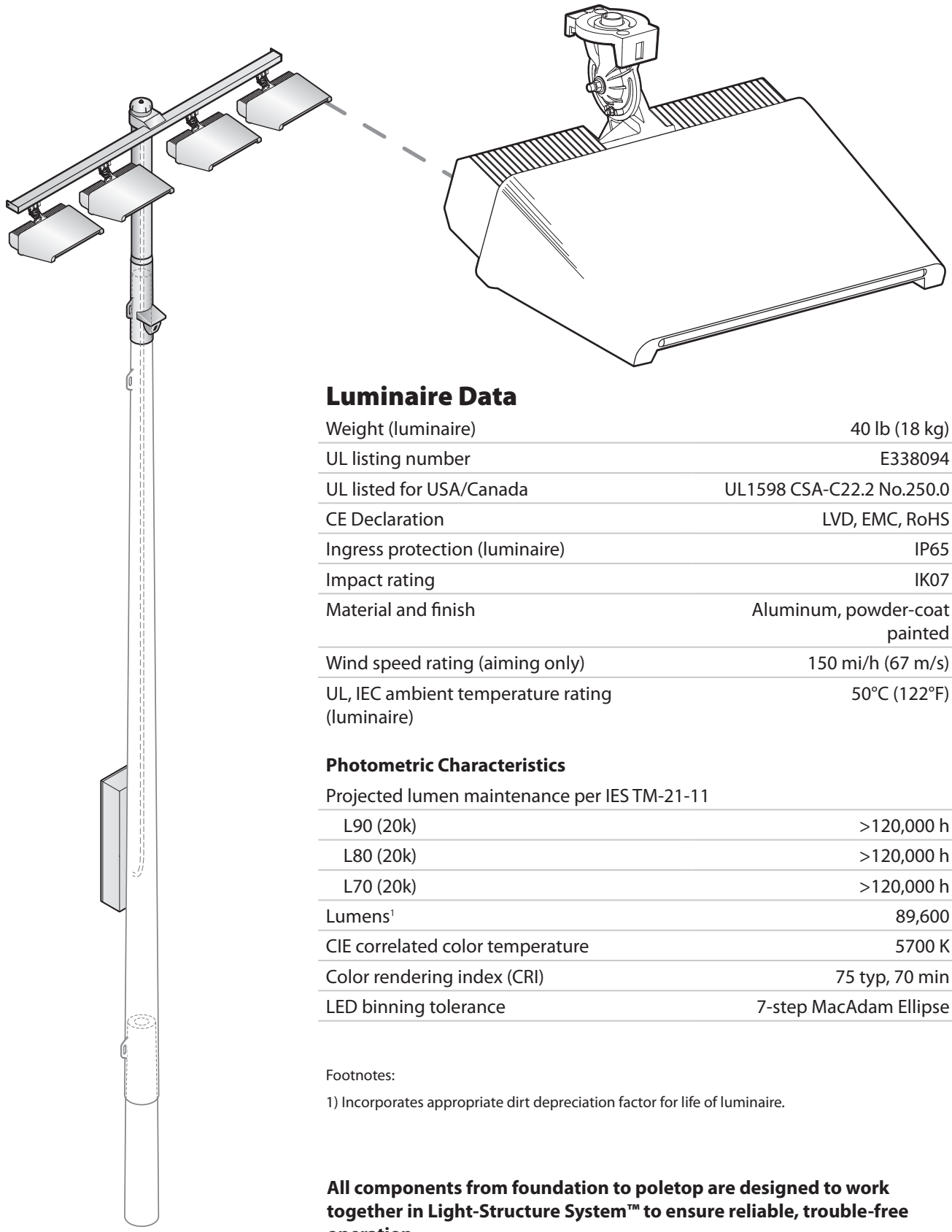
Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





Luminaire and Driver – TLC-LED-900



Luminaire Data

Weight (luminaire)	40 lb (18 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens[1]	89,600
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

U.S. and foreign patent(s) issued and pending • 2018, 2021 Musco Sports Lighting, LLC • TLC-LED-900 5700K 75 CRI • M-2629-en04-5

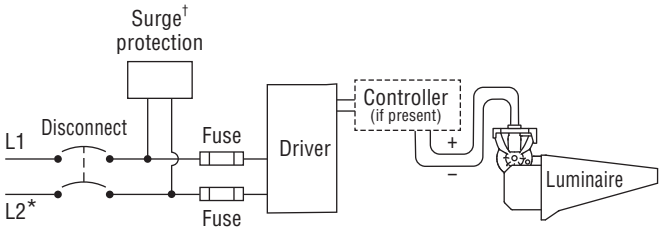
Luminaire and Driver – TLC-LED-900

Driver Data

Electrical Data

Rated wattage[1]	
Per driver	890 W
Per luminaire	890 W
Number of luminaires per driver	1
Starting (inrush) current	<40 A, 256 µs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	25 – 100%
Range, light output	30 – 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

Typical Wiring



* If L2 is neutral then not switched or fused.
† Not present if indoor installation.

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire[2]	5.50 A	5.29 A	5.00 A	4.78 A	4.58 A	3.97 A	3.17 A	2.90 A	2.75 A	2.65 A	2.29 A

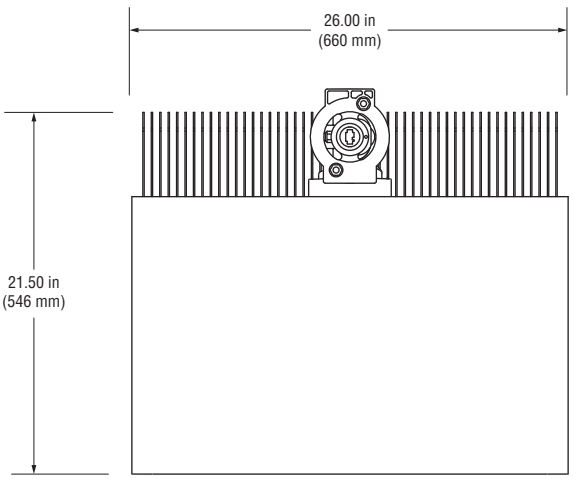
Footnotes:

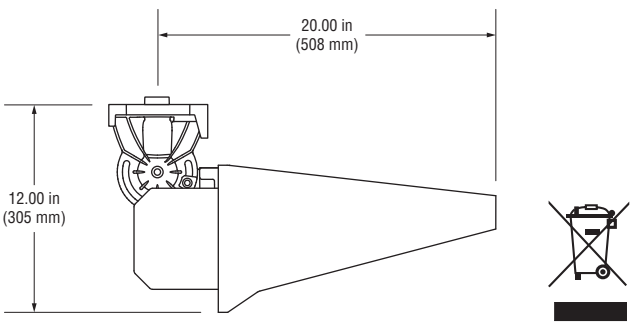
1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.

2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

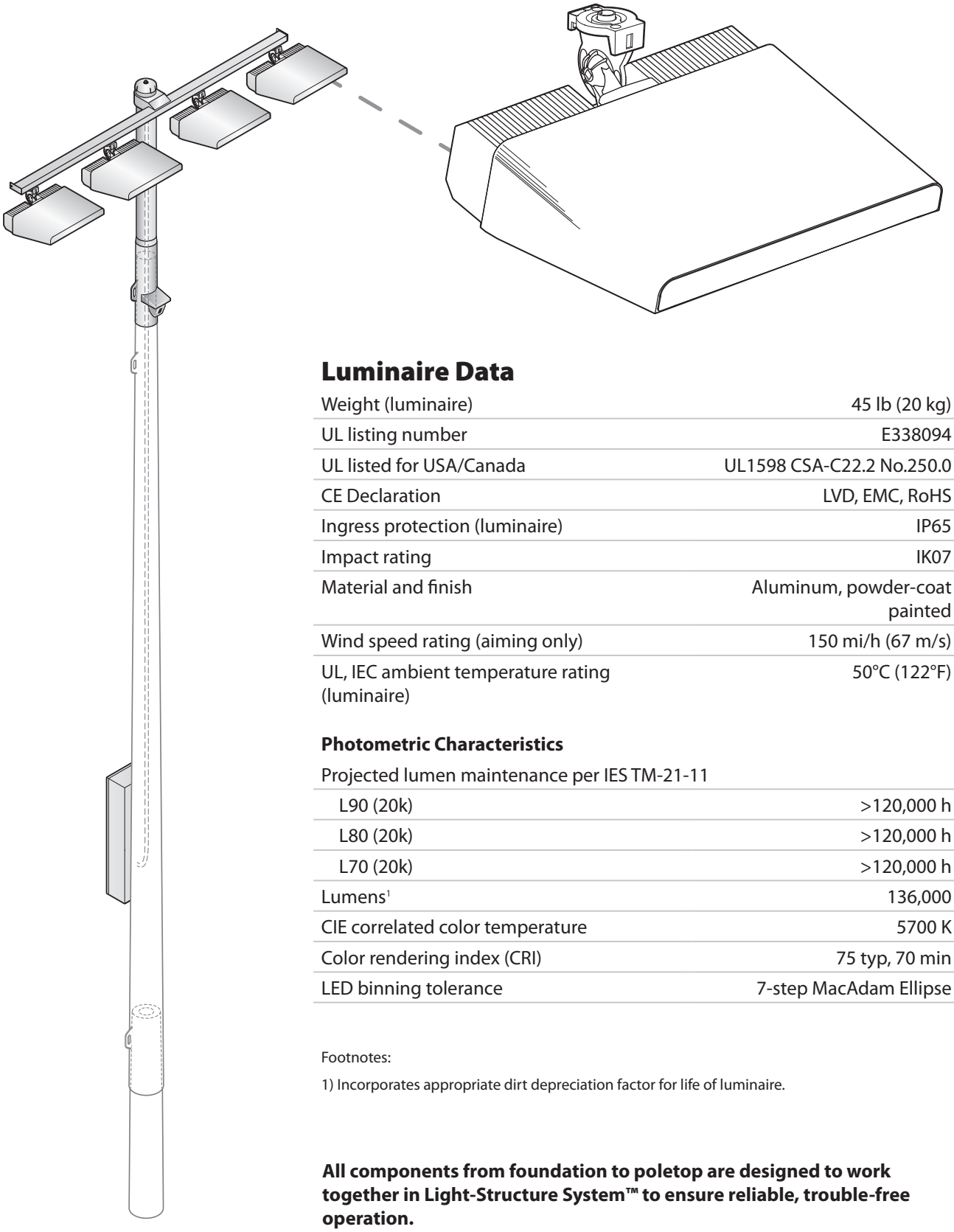
1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





U.S. and foreign patent(s) issued and pending • 2018, 2021 Musco Sports Lighting, LLC • TLC-LED-900 5700K 75 CRI • M-2629-en04-5

Luminaire and Driver – TLC-LED-1200



Luminaire Data

Weight (luminaire)	45 lb (20 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens[1]	136,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

U.S. and foreign patent(s) issued and pending • 2019, 2021 Musco Sports Lighting, LLC • TLC-LED-1200 5700K 75 CRI • M-2967-en04-4

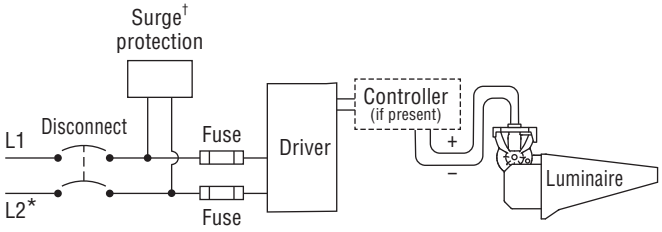
Luminaire and Driver – TLC-LED-1200

Driver Data

Electrical Data

Rated wattage[1]	
Per driver	1170 W
Per luminaire	1170 W
Number of luminaires per driver	1
Starting (inrush) current	<40 A, 256 µs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	14 – 100%
Range, light output	19 – 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

Typical Wiring



* If L2 is neutral then not switched or fused.
† Not present if indoor installation.

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire[2]	7.26 A	6.98 A	6.60 A	6.31 A	6.05 A	5.24 A	4.18 A	3.82 A	3.63 A	3.50 A	3.03 A

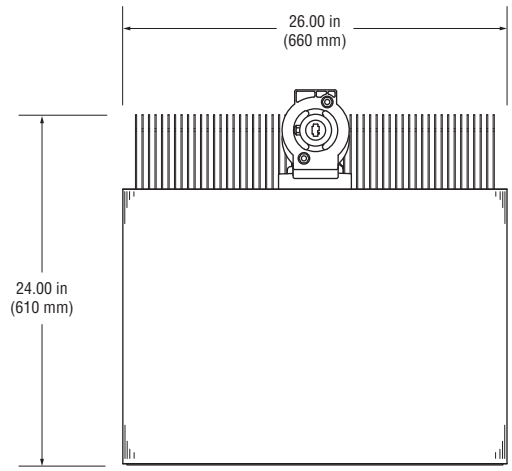
Footnotes:

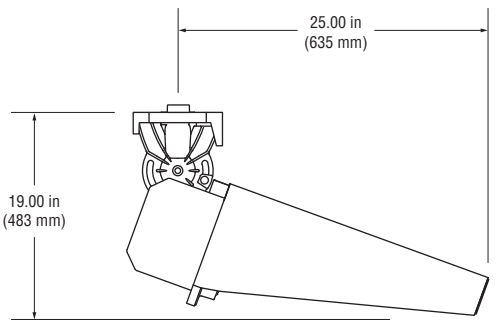
1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.

2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

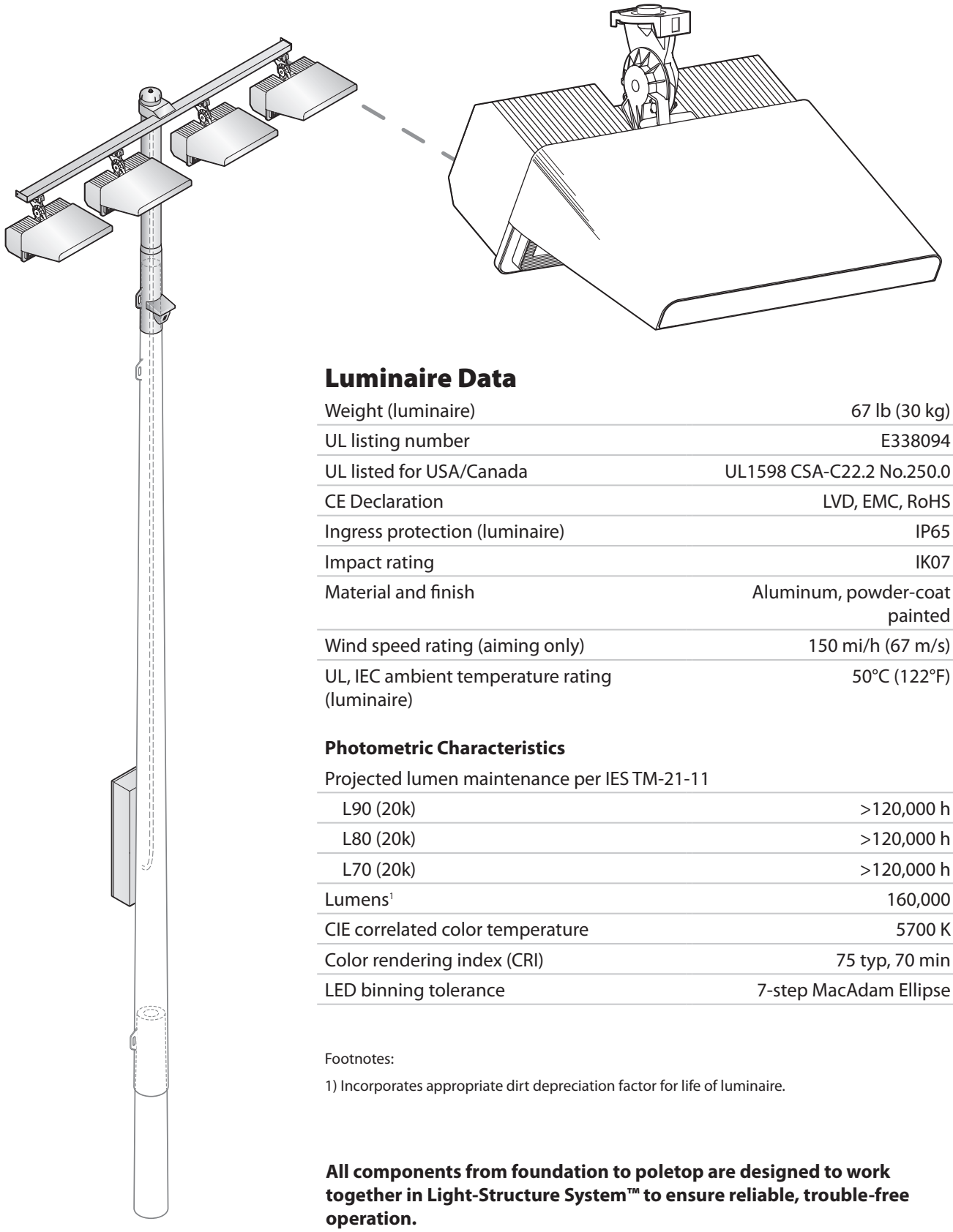
1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





U.S. and foreign patent(s) issued and pending • 2019, 2021 Musco Sports Lighting, LLC • TLC-LED-1200 5700K 75 CRI • M-2967-en04-4

Luminaire and Driver – TLC-LED-1500



Luminaire Data

Weight (luminaire)	67 lb (30 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens[1]	160,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

U.S. and foreign patent(s) issued and pending • 2019, 2021 Musco Sports Lighting, LLC • TLC-LED-1500 5700K 75 CRI • M-2979-en04-4

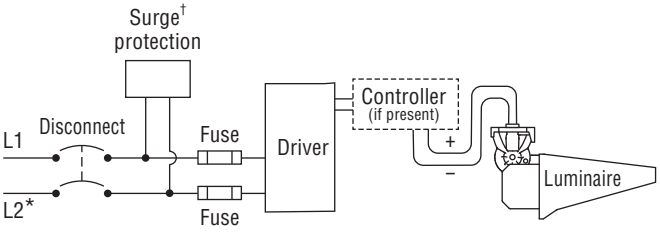
Luminaire and Driver – TLC-LED-1500

Driver Data

Electrical Data

Rated wattage[1]	
Per driver	1430 W
Per luminaire	1430 W
Number of luminaires per driver	1
Starting (inrush) current	<40 A, 256 µs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	12 – 100%
Range, light output	17 – 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

Typical Wiring



* If L2 is neutral then not switched or fused.
† Not present if indoor installation.

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire[2]	8.86 A	8.52 A	8.06 A	7.71 A	7.39 A	6.40 A	5.11 A	4.67 A	4.43 A	4.27 A	3.70 A

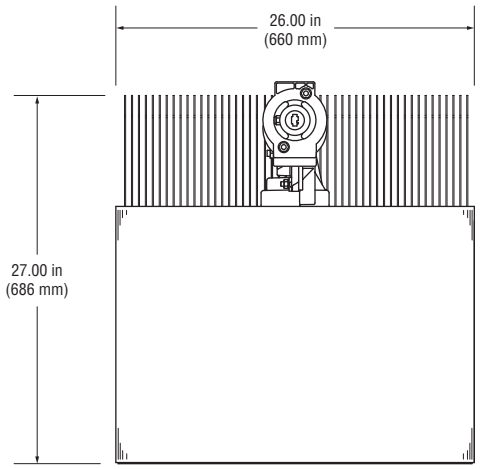
Footnotes:

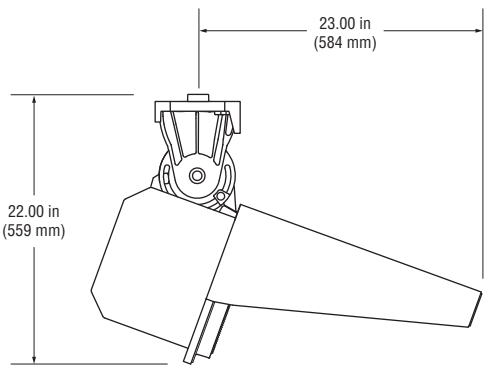
1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.

2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

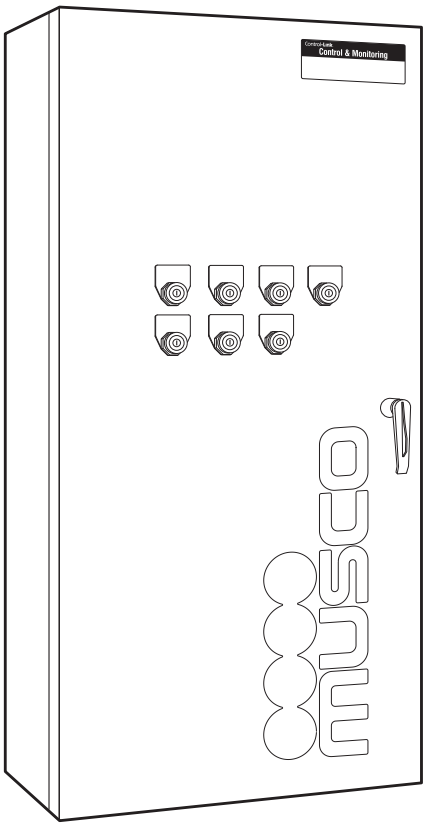
Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





Datasheet: **Control-Link® Control and Monitoring System**



Overview

Control-Link® Control and Monitoring System provides remote on/off control, dimming, system monitoring, and management of your lighting system.

Features

Control

- Lighting system and auxiliary equipment
- Control with: Control-Link website, smartphone app, phone call, email, or fax up to 10 years in advance
- Seven controllable lighting zones
- Three customizable dimming levels (factory set at 100%, 50%, 20%)
- Multi-level user security settings
- Door-mounted or remote-mounted on/off/auto switches allow for manual override of automated control

Monitoring

- Detects luminaire outages and other issues that affect light quality

Management and Support

- Control-Link Central™ service center provides support 24 hours a day, 7 days a week for scheduling, monitoring, and reporting
- Luminaire outage notification within the next business day
- Customized usage reports through website

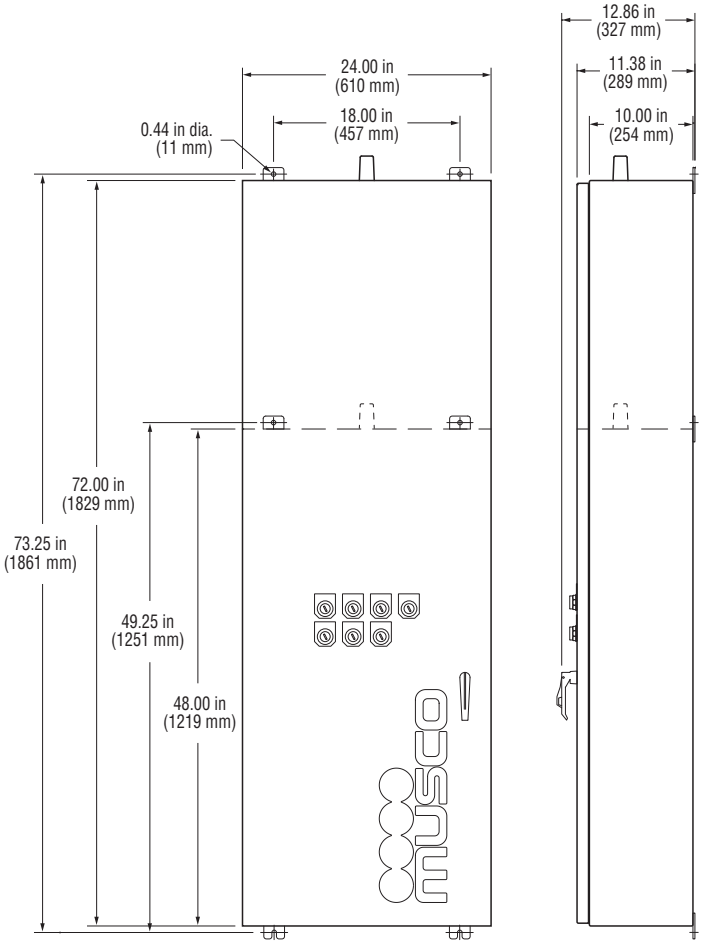
©2019, 2021 Musco Sports Lighting, LLC · Control-Link® is a registered trademark of Musco Corporation in the United States. U.S. patents issued and pending. · M-3089-en04-2

Technical Specifications

Control and Monitoring Cabinet Ratings

UL 508A Listed E204954
CE declaration . . . . . LVD, EMC, RoHS
IEC 60439-1 compliant . . . . . UL test report 05NK26317
IEC Emissions/Immunity. . . . . Class A compliant
Operating temperature . . . . . -4˚F to 140˚F (-20˚C to 60˚C)
FCC Part 15 . . . . . Class A compliant
Weight for 72 inch (1829 mm) cabinet . . . . . 180 lb (82 kg)
Weight for 48 inch (1219 mm) cabinet . . . . . 140 lb (64 kg)
Short Circuit Current Rating (SCCR)
with 30 A contactors* . . . . . 18 kA
with 60 or 100 A contactors* . . . . . 25 kA

*Minimum circuit breaker interrupt rating must be greater than or equal to SCCR rating listed above.



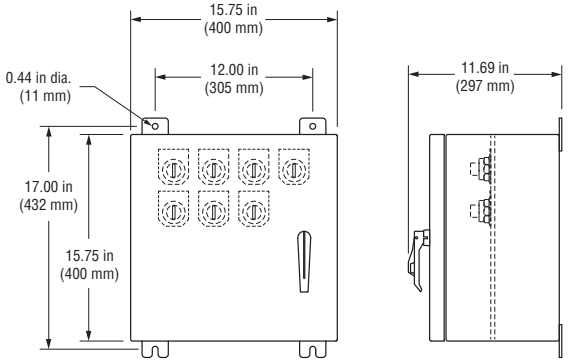
Construction

Control and Monitoring Cabinet

- NEMA type 4 (IP65) cabinet
- Powder-coated aluminum 5052 H32 cabinet and panel
- Lockable, 3-point latch
- Supports lighting system voltage up to 480 V
- Requires 120 V or 230 V phase-to-neutral control voltage
- Protective cover isolates high voltage

On/Off/Auto Manual Switches Cabinet (optional)

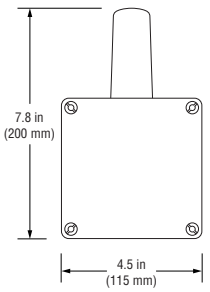
- NEMA type 4 (IP65) cabinet
- Powder-coated aluminum 5052 H32 cabinet and panel
- Lockable door
- Hinged interior panel for switch mounting



Manual switches cabinet

Remote Wireless Antenna Cabinet (for wireless communication)

- Cast aluminum with texture gray paint finish
- Omnidirectional antenna
- Operating temperature: -40˚C (-40˚F) to 85˚C to (185˚F)
- Frequency: 900 MHz or 2.4 GHz

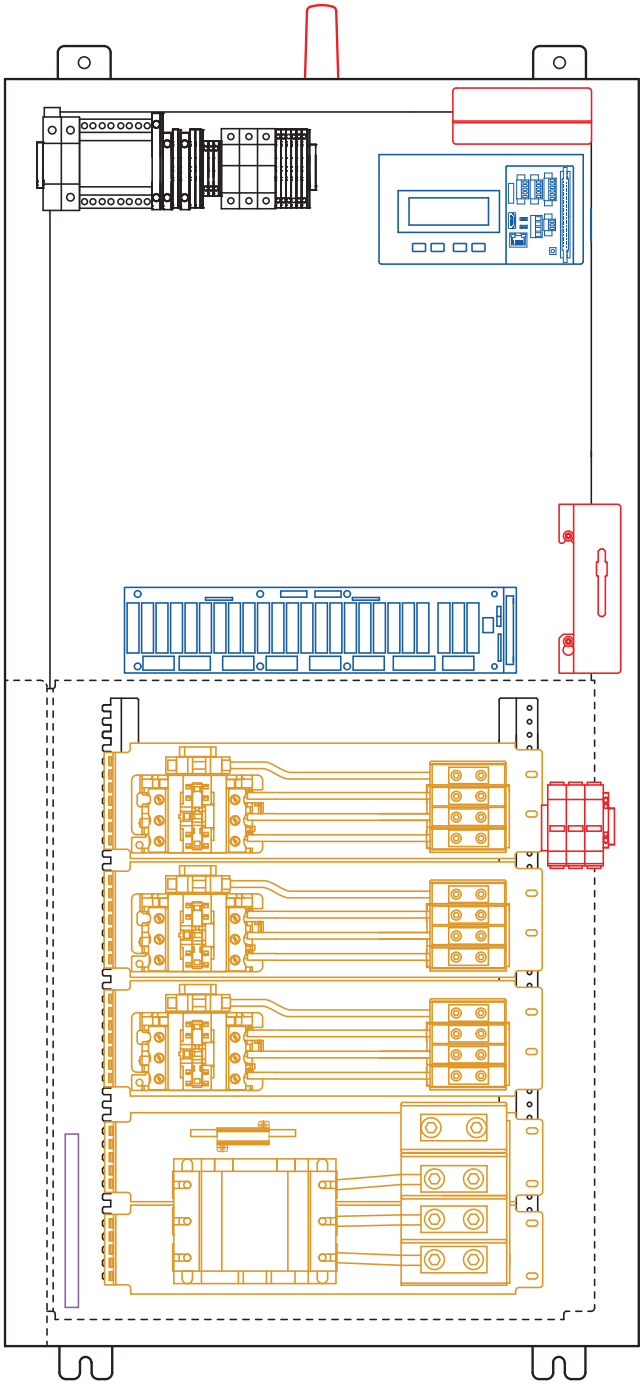


Remote wireless antenna cabinet

©2019, 2021 Musco Sports Lighting, LLC · Control-Link® is a registered trademark of Musco Corporation in the United States. U.S. patents issued and pending. · M-3089-en04-2

Internal Details

- Factory wired, programmed, and tested
- Internally fused
- Control power terminal blocks provided
- One control circuit operates entire cabinet
- Plug-in wire harnesses provided to connect multiple cabinets



Control Module

Receives and stores schedules from Control-Link Central™ service center, operates your equipment, and verifies schedules were carried out.

- Executes scheduled on/off or dimming events.
- Stores schedules for up to 7 days
- Reboots automatically and executes current schedule when power is restored, in case of power interruption
- Monitors Musco lighting system and reports issues to keep facilities operating and to help plan routine maintenance. Alerts Control-Link Central service center to schedule appropriate action or maintenance.

Communication Modules

Communication with Control-Link Central is done via an integrated, high speed, cellular connection with no additional monthly charges during the warranty period.

Communication with light poles is done via powerline communication or wireless communication.

- Powerline communication requires a dedicated 20A circuit (lighting circuit distribution panel)
- Wireless communication requires a dedicated antenna to be mounted at least 3 ft above the cellular antenna, and 7 ft total distance away, and line of sight to lighting poles.

Contactor Modules

Operates equipment based on control module schedules.

- Compliant with IEC 60947-4-1 for continuous operation at 100% of rated current
- Contactors rated for 30, 60, or 100 amps

Ground Bar

Provides integral ground bar for lighting equipment grounding.

©2019, 2021 Musco Sports Lighting, LLC · Control-Link® is a registered trademark of Musco Corporation in the United States. U.S. patents issued and pending. · M-3089-en04-2

Safety: **UL Product Certification**

UL Product Certification for:

Musco Sports Lighting, LLC
100 1st Ave W
PO Box 808
Oskaloosa, IA 52577
USA

UL Category	Covers	UL Number
High-Intensity Discharge Surface-Mounted Luminaires	• Green Generation™ luminaires and remote ballast assemblies • SportsCluster® and SportsCluster-2® luminaires and remote ballast assemblies • Light-Structure 2™ and Light-Structure System™ luminaires and remote ballast assemblies • 1000 W Light-Pak™ and Light-Pak indoor luminaires with Multi-Watt™ control system • 1000 W Show-Light™ and Show-Light Green™ luminaires with hooded light actuator system and remote ballast assemblies • 2000 W Mirtran™ luminaire • Stadium 2K Fixture™ 2000 W luminaire and Hot Restrike Green™ 2000 W hot restrike luminaire	E33316
Management Equipment, Energy	Lighting control systems for: • Control-Link® control and monitoring system • Control-Link retrofit control system	E139944
Industrial Control Panels	Control panels and enclosures for: • Control-Link® control and monitoring system • Control-Link retrofit control system • Lighting contactor cabinets • Multi-Watt™ control systems	E204954
Emergency Lighting and Power Equipment	• Auxiliary Lighting Interface Cabinet (ALIC)	E311491
Luminaire Fittings	Galvanized steel poles 12 ft (3.7 m) or less for: • Poles for Mirtran™ luminaire mounting • Rooftop poles • Special applications	E132445
Luminaire Pole in Excess of 12 ft (3.7 m)	Galvanized steel poles greater than 12 ft (3.7 m) for: • Light-Structure System™ luminaire mounting • Sportspole™ structure or mounting system and special applications	E325078

©2011, 2017 Musco Sports Lighting, LLC · M-1684-en04-10

Safety: **UL Product Certification**

UL Category	Covers	UL Number
Devices, Scaffolding	Service platforms for: • Light-Structure System™ luminaires and remote ballast assemblies • SportsCluster® System luminaires and remote ballast assemblies	SA7004
Lightning Conductors, Air Terminals, and Fittings	• Light-Structure System™ pole structure concrete base	E337467
Light-Emitting-Diode Surface-Mounted Luminaires	• LED luminaires and driver assemblies • LED auxiliary luminaires	E338094

A copy of the UL Certificate of Compliance is available upon your request.

©2011, 2017 Musco Sports Lighting, LLC · M-1684-en04-10

Manufacturer's Certification of Corrosion Protection for Light-Structure System™ and SportsCluster® Lighting Systems

The following standard corrosion protection is provided on your equipment:

- All exposed components are constructed of corrosion-resistant material and/or coated to protect against corrosion.
- All exposed carbon steel is hot-dip galvanized, meeting ASTM A123 and ISO/EN 1461.
- All exposed aluminum is powder-coated with high-performance polyester or anodized. All exterior reflective inserts are anodized, coated with a clear, high-gloss, durable fluorocarbon, and protected from direct environmental exposure to prevent reflective degradation or corrosion.
- All exposed hardware and fasteners are stainless steel, passivated, and coated with an aluminum based thermosetting epoxy resin for protection against corrosion and stress corrosion cracking. Alternately, for hardware in non-stressed applications, an electroless nickel coating meeting ASTM B733 may be used. Pole strapping used to mount certain equipment to light poles is annealed grade 304 stainless steel and passivated.
- Certain structural fasteners are carbon steel, galvanized meeting ASTM A153 and ISO/EN 1461 (for hot-dip galvanizing), or ASTM B695 (for mechanical galvanizing).

This corrosion protection package only applies to equipment manufactured by Musco.

Musco Sports Lighting, LLC

Greg Kubbe
Director of Product Performance

2005, 2020 Musco Sports Lighting, LLC · M-1502-en04-6

NE HERITAGE DRIVE

NE 10TH STREET

NE 2ND COURT

NE LITTLE BEAVER ST

NE 12TH STREET

NE 11TH STREET

POD #1

POD #2

POD #3

POD #4

POD #5

POD #6

OUTLOT Z
OWNER:
CITY OF GRIMES

OUTLOT Y
OWNER:
CITY OF GRIMES

1.

2.

3.

4.

5.

SCALE
0' 50' 100' 200'

NO.	REVISIONS	DATE	BY

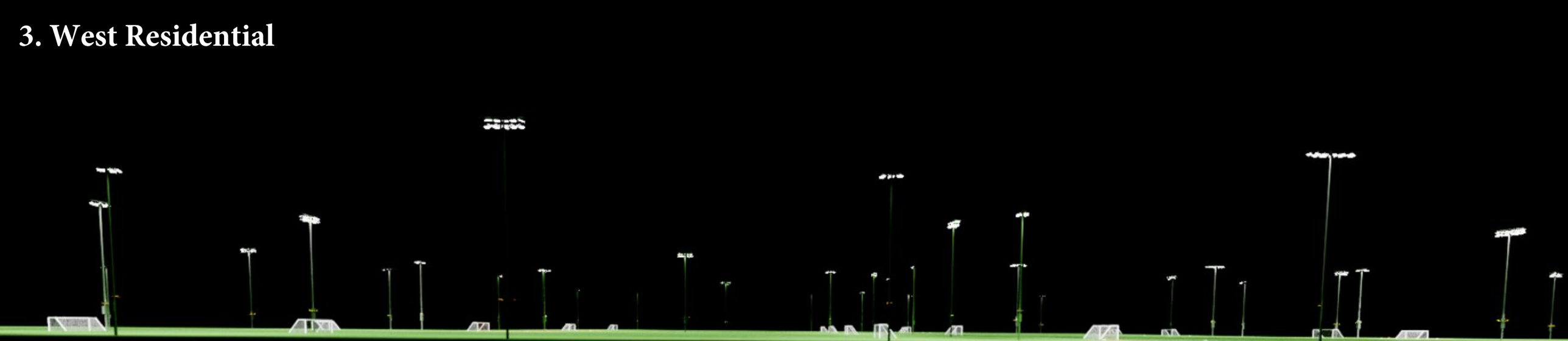
FILE: H:\2022\2202086\DWG\SITE PLAN\2202086-DIMENSION SHEETS.DWG
FILE DATE: 10/21/22
DATE PLOTTED: 10/17/2022 4:39 PM
PLOTTED BY: ERIC SCHULTE
COMMENT:
SCALE: 1"=50'

DESIGN TEAM – CITY OF GRIMES / CIVIL DESIGN ADVANTAGE	POLK	COUNTY	PROJECT NUMBER	2202.086	SHEET TITLE	DIMENSION PLAN	SHEET NUMBER	C3.0

1. North Residential

2. Northwest Residential

3. West Residential



4. Southwest Residential

5. NE Heritage Dr - Northbound

5. NE Heritage Dr - Southbound

CITY OF GRIMES

CITY COUNCIL COMMUNICATION
Meeting Date: 06/27/2023

AGENDA ITEM:
Inspiring Dance – Site Plan

BACKGROUND:
The applicant is requesting approval of a site plan for Inspiring Dance, which will allow for the construction of a 13,315 square foot dance studio. The applicant is proposing to add an additional 3,269 square feet to the east portion of the building in the future for a childcare center. The site will be accessed off SE 3rd Street. The site is zoned C-2 with additional requirements per approved Ordinance 569.

The applicant is proposing more than the required parking spaces and has provided justification for the over 25% minimum required parking. Due to overlapping class times for pickup and drop-off times, plus additional parking for the future childcare center, the additional parking spaces will assist in providing enough spaces for all visitors. The applicant has provided additional open space to meet the additional requested pavement.

BUDGETARY CONSIDERATIONS:
N/A

STRATEGIC PLANNING:
Prioritized: NO

BOARD/COMMISSION ACTION(S):
Planning and Zoning recommended approval – 06/05/2023

STAFF RECOMMENDATION:
Staff recommends the Inspiring Dance site plan for approval, subject to any remaining staff comments.

RESPONSIBLE STAFF/CONTACT INFORMATION:
Molly Mannel, Assistant Planner
mmannel@grimesiowa.gov
515-986-4050

Prepared by: Molly Mannel
Return to: Molly Mannel

Planning & Zoning Staff Report

CITY OF GRIMES

DATE

June 5, 2023

PROJECT NAME

Inspiring Dance Site Plan

APPLICANT

5B Holdings LLC

REQUESTED ACTION

Site Plan

LOCATION

2340 SE 3rd Street

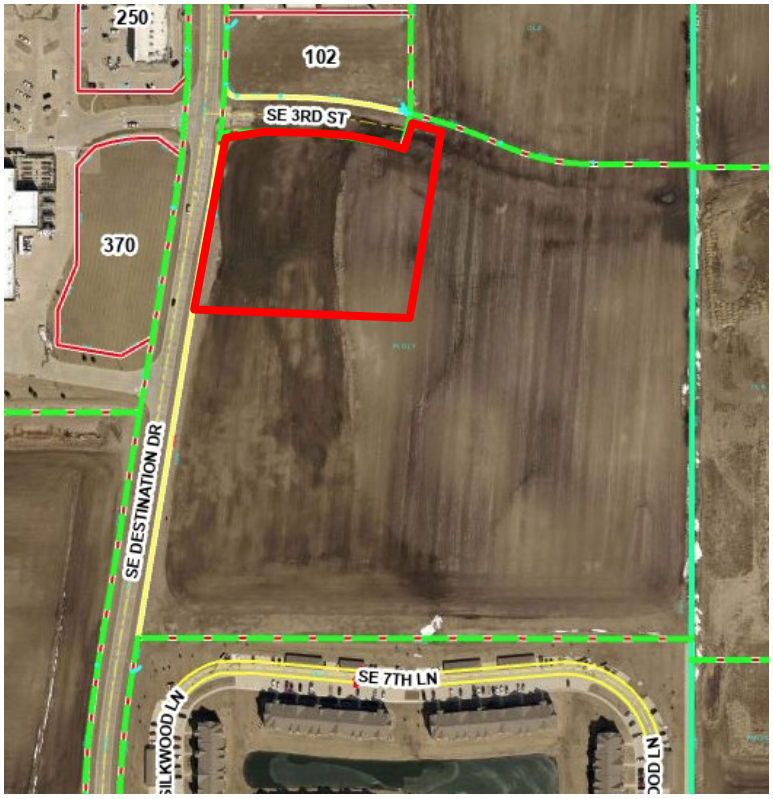
ZONING

C-2

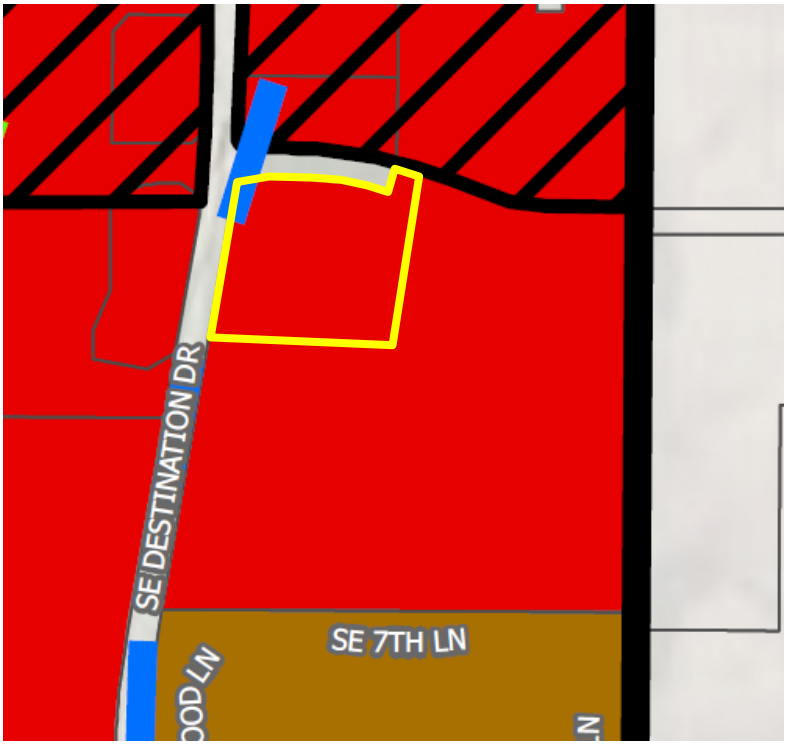
PLANNER

Molly Mannel
mmannel@grimesiowa.gov
515-986-4050

Location Map



Zoning Map



Relation to Comprehensive & Neighborhood Plans

LAND USES & ZONING			
Location	**Existing Land Use**	**Land Use Plan Designation**	**Current Zoning**
Subject Site	Commercial	General Commercial	C-2
North	Commercial	General Commercial	C-2
South	High-Density Residential	High Density Residential	R-3
East	Johnston	Johnston	Johnston
West	Commercial	General Commercial	C-2

LOCATION

- The proposed site plan located at the SE corner of SE Destination Drive and SE 3rd Street is consistent with the Future Land Use Map. The site will be commercial, and compliment the existing surrounding commercial uses.

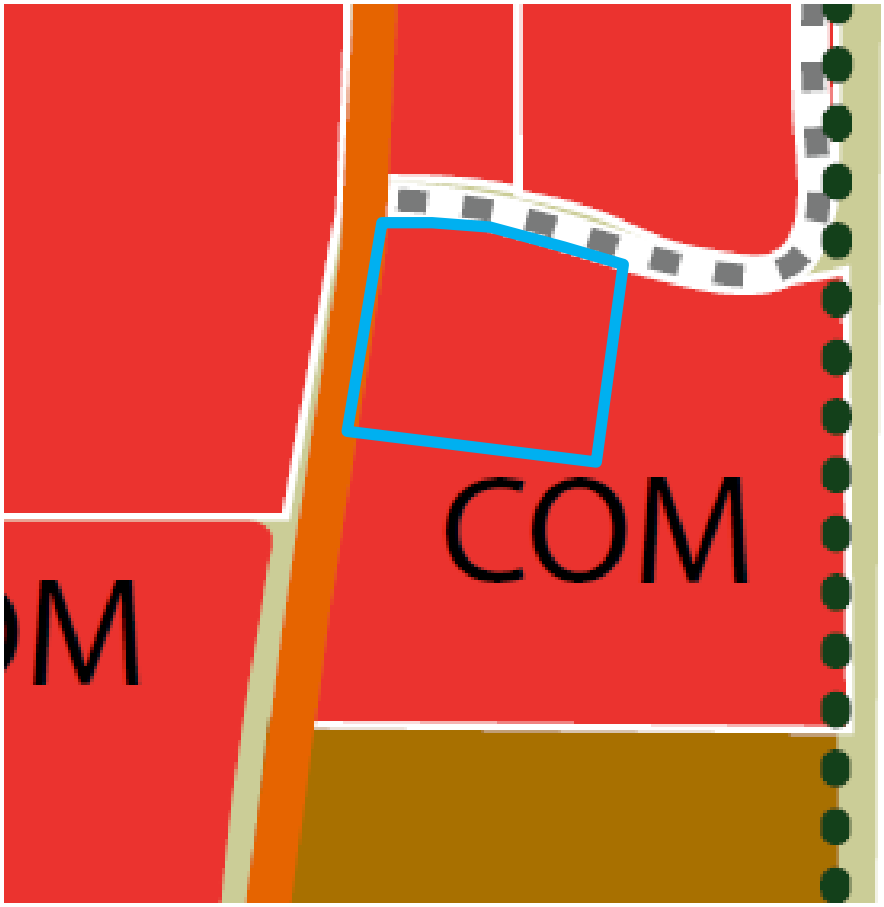
PARKS

- Due to the site being a commercial use, no parkland dedication is required.

CONNECTIVITY

- A 5' sidewalk along SE Destination Drive will extend along the west property line, and connect to a 5' sidewalk south of SE 3rd Street.

Future Land Use Map



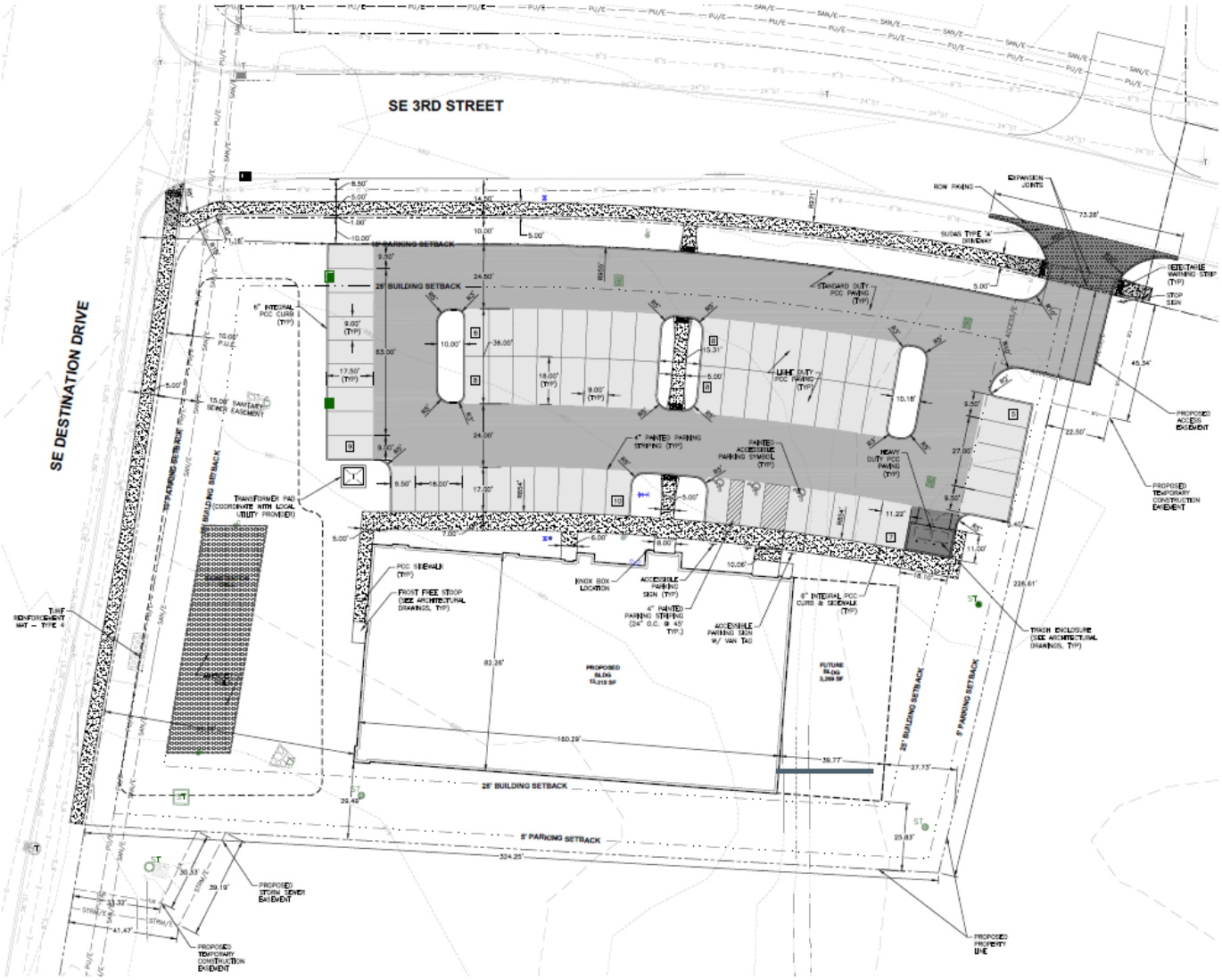
Site Layout

ACCESS

- The site will be accessed off of SE 3rd Street.
- Pedestrians and staff may access SE 3rd Street via a sidewalk North of the site.
- A 5' sidewalk along SE Destination Drive will extend along the west property line, and connect to a 5' sidewalk south of SE 3rd Street.

PARKING

- The required number of parking spaces for a studio is 2.25 spaces/1,000 square feet of gross floor area. The total square footage of the building is 13,315 square feet. The required amount of parking spaces for this site is 30 spaces.
- The applicant is proposing a total of 63 parking spaces. Ten of those are required for the future proposed childcare center. The remaining 23 spaces will assist in managing the parking overflow during overlapping class times. Their proposed open space meets the justification requirements.



Utilities

BUILDING SETBACKS

- Front: 25′
- Side: 25′
- Rear: 25′

SANITARY

- Sanitary will be stubbed off of SE 3rd Street.

WATER

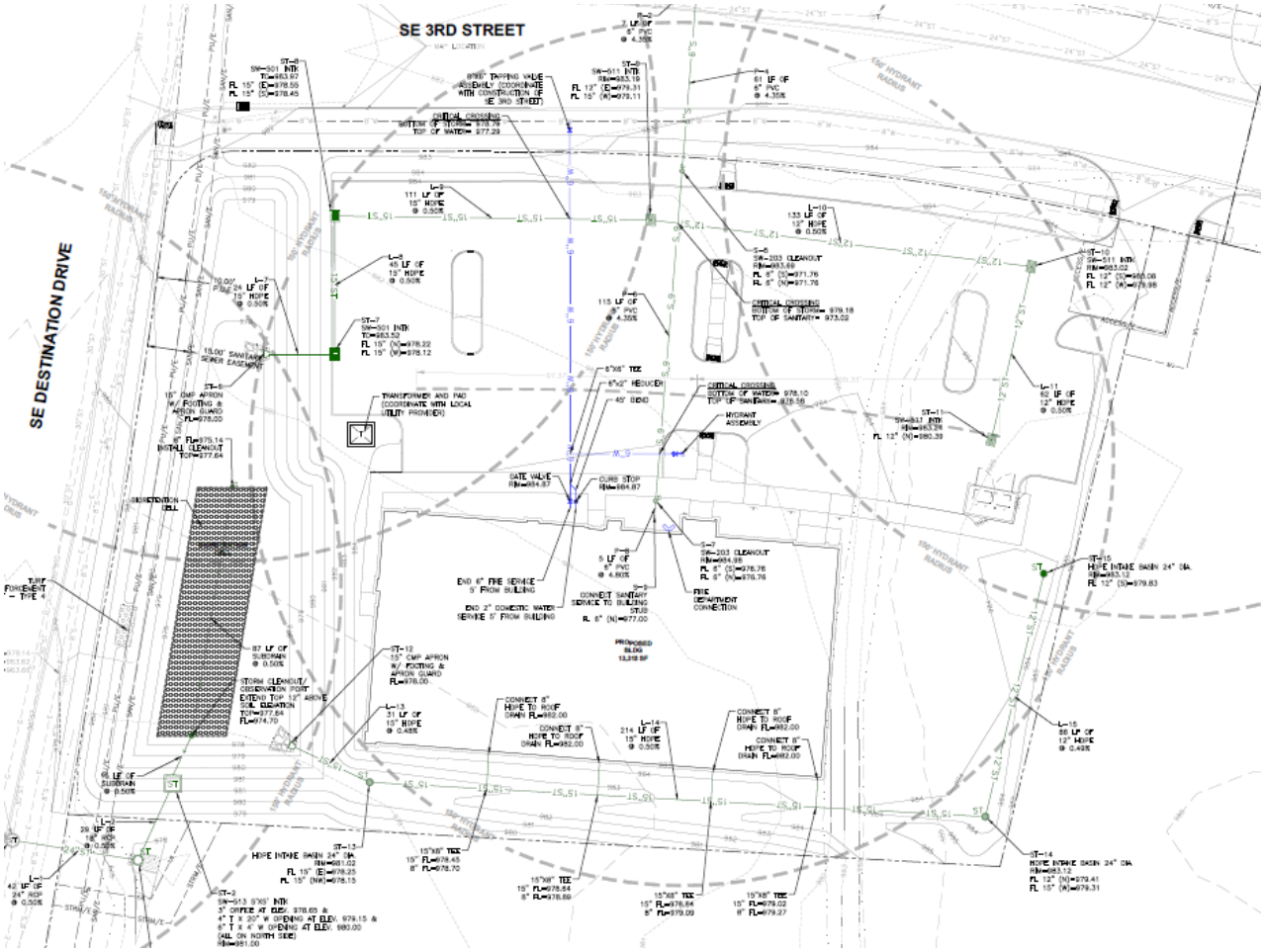
- Water will be stubbed off of SE 3rd Street.
- Hydrants will be located throughout the site to provide adequate coverage to the building.

STORM WATER

- Stormwater will be stubbed off of SE Destination Drive. The stormwater main will run underneath the bioretention cell. Storm intakes will also be installed throughout the parking lot to assist in collecting runoff.
- Wildflowers will be planted within the basin to assist in stabilization.

LIGHTING

- Parking lot lighting will be installed on site and be faced internally. There will be no light trespassing onto other properties.



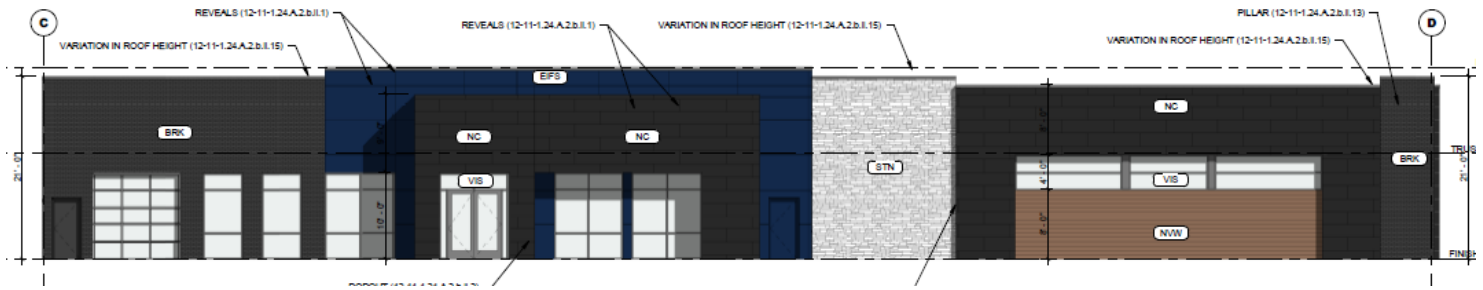
Architecture

DUMPSTER ENCLOSURE MATERIALS

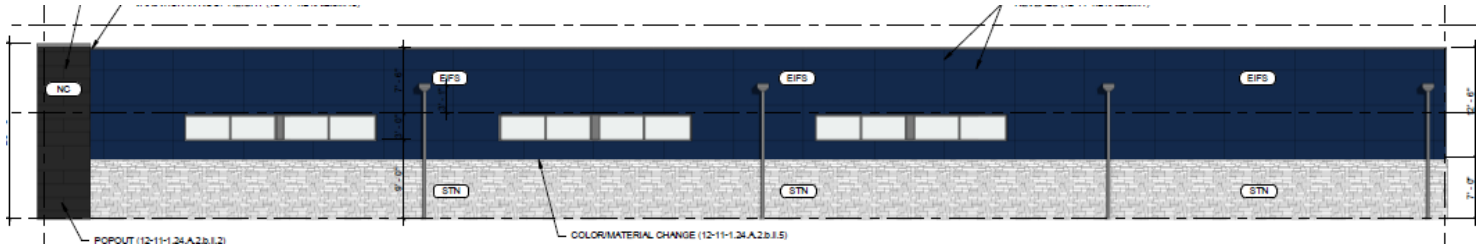
- The dumpster enclosure will be located at the east portion of the parking lot.
- The enclosure will be primarily made up of rock face CMU that will match the metal wall panels on the primary building.
- A slate grey, prefinished aluminum gate will block the visibility of the dumpsters inside the enclosure.

BUILDING ELEVATION MATERIALS

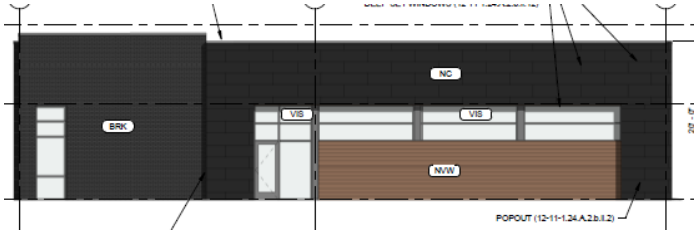
- The building will primarily be constructed of grey-toned nichiha, thin brick, white stone, and navy colored EIFS.
- An overhead door will be installed on the north elevation, to allow equipment to easily be brought in and out of the building.



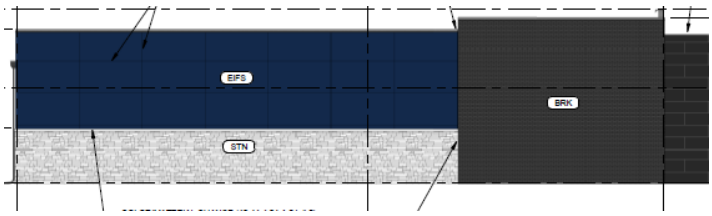
North



South



West



East

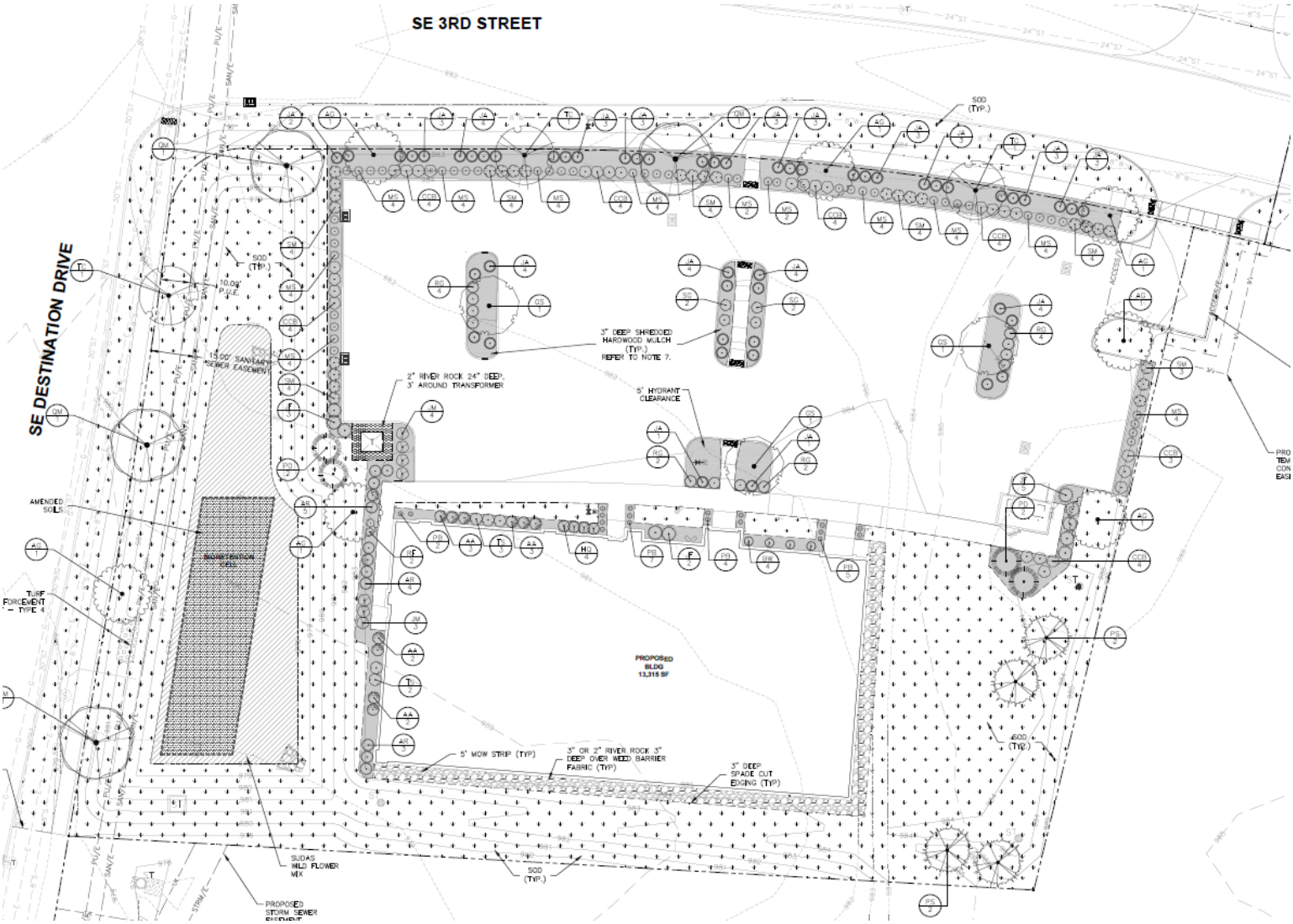
Landscaping & Recommendation

LANDSCAPING

- Trees will be planted throughout the site, and along all frontages.
- Shrubs will be planted along the North parking stalls block any headlight glare from the parked cars.
- Shrubs will be added around the perimeters of the building and dumpster enclosure to add additional beautification to the site.

STAFF RECOMMENDATION

- Staff would recommend the Inspiring Dance site plan for approval, subject to any remaining staff comments.



Development Services
410 SE Main St, Suite 102
Grimes, IA 50111
(515)986-4050
www.grimesiowa.gov

~~May 16, 2023~~
June 14, 2023

5B Holdings LLC
Attn: Ben Butzke
2900 SE Gateway Drive
Grimes, IA 50111

RE: Inspiring Dance

Dear Ben:

The Development Services Department is in receipt of a proposed Site Plan for the Inspiring Dance. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

1. Please provide a quantities tab. Please include all private and public utilities. We will now request this so that we can easily review and match up the quantities on the site plan with the quantities for the observation fee schedule.

2. ~~Update Utility colors to fit APWA Uniform Color Code~~

3. ~~Will the turning radius allow for large vehicles?~~

4. ~~Add note that Amended Soils and Bioretention Cell must be built post construction, once all areas are built out and vegetated or sodded. Sediment pond will be needed during construction~~.

5. ~~Provide justification/market analysis for extra parking. (16 spaces over the maximum requirement).~~

6. Provide storm sewer easement document and legal description. Template is attached. The ingress/egress easement and the public storm sewer easement do not match the easements provided for the Destination Ridge Plat 7 final plat. Please discuss with Knapp/CEC who has the correct layout for all easements.

Cover Sheet:

1. ~~Update parking setback to 10 feet.~~

2. ~~Update parking space count to match the plan (63).~~

3. ~~Update parking calculation. 2.25 spaces/1000 sf GFA, plus 4 seats in auditorium. Include calculation for the future addition.~~

Sheet C1.1

1. ~~Coordinate with SE 3rd Street designer to relocate fire hydrant out of entrance drive during SE 3rd Street construction.~~

2. ~~Update west property line dimension to match the plat.~~

Sheet C2.1

1. ~~Please label expansion joints on the north and south sides of the sidewalk through the driveway entrance.~~

2. ~~The sidewalk on the north side of the building needs to be at least 7' wide or the parking spaces need to be at least 18' deep.~~

Sheet C3.2

1. ~~Grading Enlargement 05: Label bottom of dome panel on the west side at the grade break.~~

Sheet C4.1

1. ~~Include sediment controls to protect pond outlet~~

2. ~~Include inlet protection for inlets on SE 3rd Street to capture track out~~

3. ~~All slopes 3:1 pr greater will need RECP installed with stabilization measures~~

4. ~~Ensure Concrete Wash Location is at least 50 feet from any storm intake~~

5. ~~Ensure temporary stabilization measures are included in quantities~~

6. ~~Staff recommends adding armor to emergency spillway on bioretention cell.~~

Sheet C5.1

1. ~~Please coordinate with SE 3rd Street designer to provide 6" water services at this location to eliminate the tapping sleeve and valve.~~

2. ~~Staff would suggest evaluating the sanitary sewer service location off Destination vs. SE 3rd Street. The location under the basin may be a problem for repairs.~~

3. ~~Provide slope of subdrain within the Bioretention cell and to outlet structure.~~

4. ~~Please label "verify" on existing inverts of the tie-in storm sewer structure.~~

5. ~~Verify sanitary tie-in elevation with the proposed SE 3rd Street Plans. Install riser to limit the sanitary slope to a maximum of 5%.~~

6. ~~The building shall have a Knox Box installed near the front entrance to the building per Section 506.1 of the City of Grimes Fire Code. Please show this on the plan.~~

7. ~~The FDC shall not have parking directly in front of it per Section 912.4.2 of the City of Grimes Fire Code. Additionally, it appears that plantings may interfere with the required clear space in front of and around the FDC per the same section. Please adjust/align with an island or striped area.~~

8. ~~It looks like there may be a conflict with cleanout S-3 and the transformer/electric lines. Please clarify or push cleanout further west.~~

Landscaping

1. ~~Are there plans for temporary vegetative cover at the bottom of the bio retention cell to stabilize the bottom of the basin? Staff is thinking it will take multiple growth seasons to get wildflowers established.~~

2. ~~Revise Note 5. The ground cover needs to follow the approved landscape plan.~~

Elevations

1. ~~Please label the directions of each elevation. North, South etc.~~

2. ~~Is roof-mounted equipment proposed? If so, they will need to be screened from the ROW.~~

3. ~~Provide dumpster enclosure elevations and details. A masonry enclosure and opaque metal-framed gate is required.~~

4. ~~Label electrical meter/panel locations on the building.~~

5. Fiber cement panels to have hidden/flush-mount fasteners. Add note. Please callout or add a note of the hidden fasteners on the elevations.

6. ~~Label the 5 treatments provided on the elevations per the Highway 141 architecture requirements (12-11-1.24.A.2.b.ii).~~

SWMP

1. ~~Bioretention Pond Calcs show a filter bed depth of 2.5', but the detail on sheet C6.1 shows 1.5'. Please fix.~~

2. ~~Bioretention Pond Calcs: Provide value of proposed surface area of ponding.~~

3. The surface area of ponding (Af) should just be of the bioretention cell area. Not the entire bottom of the basin.

SWPPP

1. Update city inspector information to Kendra Daniels.

2. Include dewatering protocol from gp2

3. A signed affidavit of publication

4. Updated NOD form found at https://www.iowadnr.gov/portals/idnr/uploads/forms/5428115.pdf

5. Signed copies of all sub contractor certification statements once available

6. Up to date site plan maps

Please provide a letter addressing all comments on this comment letter and/or state what was modified on the site plan to address said comments.

SITE PLAN SUBMITTAL SCHEDULE:

SUBMITTAL DATE:	~~May 30, 2023~~ June 22, 2023 **(1 PDF of Site plan with Elevation Plan included)**
PLANNING & ZONING:	June 5, 2023, at 5:30 at the Grimes City Hall
COUNCIL MEETING:	June 27, 2023, at 5:30 at the Grimes City Hall

Please feel free to contact me at mmannel@grimesiowa.gov or at (515) 986-4050 if you have any questions or need additional information.

Sincerely,

Molly Mannel
Assistant Planner

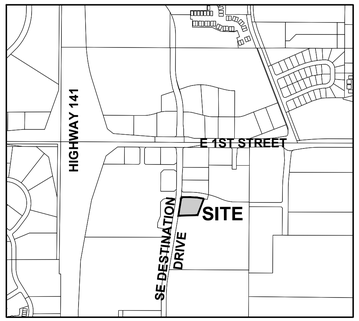
SITE PLAN FOR:

INSPIRING DANCE

GRIMES, IOWA

VICINITY MAP

NOT TO SCALE



GRIMES, IOWA

LEGAL DESCRIPTION

THAT PART OF OUTLOT 'Y', DESTINATION RIDGE PLAT 1, LYING SOUTH OF DESTINATION RIDGE PLAT 2, LYING SOUTH OF DESTINATION RIDGE PLAT 5 AND LYING NORTH OF DESTINATION RIDGE PLAT 4, ALL OFFICIAL PLATS IN THE CITY OF GRIMES, POLK COUNTY, IOWA AND CONTAINING 23.56 ACRES. THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

ZONING

EXISTING: C-2 (COMMERCIAL DISTRICT) WITH CONDITIONS AS APPROVED BY ORDINANCE 569.

PROJECT SITE ADDRESS

2340 SE 3RD STREET

EXISTING/ PROPOSED USE

EXISTING: UNDEVELOPED/AGRICULTURE

PROPOSED: DANCE STUDIO

INDEX OF SHEETS

NO.	DESCRIPTION
C0.0	COVER SHEET
C1.1	TOPOGRAPHIC SURVEY/DEMOLITION PLAN
C2.1	DIMENSION PLAN
C3.1–C3.2	GRADING PLAN
C4.1	EROSION AND SEDIMENT CONTROL PLAN
C5.1	UTILITY PLAN
C6.1	DETAILS
L1.1	LANDSCAPE PLAN
L2.1	LANDSCAPE DETAILS

GENERAL LEGEND

PROPOSED		EXISTING	
PROPERTY BOUNDARY		SANITARY MANHOLE	S
SECTION LINE		WATER VALVE BOX	W
CENTER LINE		FIRE HYDRANT	
RIGHT OF WAY	R/W	WATER CURB STOP	CS
BUILDING SETBACK		WELL	WELL
PERMANENT EASEMENT	P/E	STORM SEWER MANHOLE	ST
TEMPORARY EASEMENT	T/E	STORM SEWER SINGLE INTAKE	
TYPE SW-501 STORM INTAKE		STORM SEWER DOUBLE INTAKE	
TYPE SW-502 STORM INTAKE		FLARED END SECTION	
TYPE SW-503 STORM INTAKE		DECIDUOUS TREE	
TYPE SW-505 STORM INTAKE		CONIFEROUS TREE	
TYPE SW-506 STORM INTAKE		DECIDUOUS SHRUB	
TYPE SW-512 STORM INTAKE	ST	CONIFEROUS SHRUB	
TYPE SW-513 STORM INTAKE	ST	ELECTRIC POWER POLE	
TYPE SW-401 STORM MANHOLE	ST	GUY ANCHOR	
TYPE SW-402 STORM MANHOLE	ST	STREET LIGHT	
FLARED END SECTION		POWER POLE W/ TRANSFORMER	
TYPE SW-301 SANITARY MANHOLE	S	UTILITY POLE W/ LIGHT	
STORM/SANITARY CLEANOUT		ELECTRIC BOX	E
WATER VALVE		ELECTRIC TRANSFORMER	E
FIRE HYDRANT ASSEMBLY		ELECTRIC MANHOLE OR VAULT	E
SIGN		TRAFFIC SIGN	
DETECTABLE WARNING PANEL		TELEPHONE JUNCTION BOX	T
WATER CURB STOP		TELEPHONE MANHOLE/VAULT	T
SANITARY SEWER		TELEPHONE POLE	
SANITARY SERVICE	S S S	GAS VALVE BOX	
STORM SEWER		CABLE TV JUNCTION BOX	TV
STORM SERVICE	ST ST	CABLE TV MANHOLE/VAULT	TV
WATERMAIN WITH SIZE	8"W	MAIL BOX	M
WATER SERVICE	W W	BENCHMARK	BM
SAWCUT (FULL DEPTH)		SOIL BORING	SB
SILT FENCE		UNDERGROUND TV CABLE	TV
USE AS CONSTRUCTED	(UAC)	GAS MAIN	G
MINIMUM PROTECTION ELEVATION	MPE	FIBER OPTIC	FO
		UNDERGROUND TELEPHONE	T
		OVERHEAD ELECTRIC	OE
		UNDERGROUND ELECTRIC	E
		FIELD TILE	TILE
		SANITARY SEWER W/ SIZE	8"S
		STORM SEWER W/ SIZE	15"ST
		WATER MAIN W/ SIZE	8"W

OWNER

ALL POINTS DEVELOPMENT LC
5000 WESTOWN PARKWAY SUITE 400
CONTACT: GERARD D. NEUGENT
PH: (515) 223-4000

APPLICANT

5B HOLDINGS LLC
2900 SE GATEWAY DRIVE
GRIMES, IA 50111
CONTACT: BEN BUTZKE
EMAIL: BBUTZKE@BUTZKEBURCH.COM
PH: (515) 985-8034

ENGINEER

CIVIL DESIGN ADVANTAGE
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
CONTACT: NIKKI NEAL
EMAIL: NICOLEN@CDA-ENG.COM
PH. (515) 369-4400

SURVEYOR

CIVIL DESIGN ADVANTAGE, LLC
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
CONTACT: CHARLIE MCGLOTHLEN
EMAIL: CHARLIEM@CDA-ENG.COM
PH. (515) 369-4400

ARCHITECT

SIMONSON AND ASSOCIATES ARCHITECTS
1717 INGERSOLL AVE #117
DES MOINES, IA 50309
CONTACT: BRETT SNYDER
EMAIL: BSNYDER@SIMONSONASSOC.COM
PH: (515) 440-5626

DEVELOPMENT SUMMARY

AREA:	1.80 ACRES (78,363 SF)
SETBACKS:	
FRONT:	25 FEET
SIDE:	25 FEET
REAR:	25 FEET
PARKING (R/W):	10 FEET
PARKING (SIDE OR REAR):	5 FEET
IMPERVIOUS AREA:	
BUILDING	13,315 SF
FUTURE BUILDING	3,269 SF
HEAVY DUTY PAVING	1,071 SF
STANDARD DUTY PAVING	14,395 SF
LIGHT DUTY PAVING	10,557 SF
SIDEWALK	5,010 SF
	47,617 SF
OPEN SPACE:	
REQUIRED:	7,836 SF (10%)
ADDITIONAL REQUIRED:	2,223 SF
PROVIDED:	30,746 SF (39%)

PARKING:
TOTAL REQUIRED
STUDIO:
2.25 PER 1,000 SF = 30 SPACES (13,315 SF)
FUTURE CHILDCARE FACILITY
3 PER 1,000 SF = 10 SPACES (3,269 SF)
TOTAL: = 40 SPACES

TOTAL PROVIDED
STANDARD PARKING = 60 SPACES
ACCESSIBLE PARKING = 3 SPACES
TOTAL = 63 SPACES

DATE OF SURVEY

10/28/2021

BENCHMARKS

1. SW BOLT ON HYDRANT SE CORNER OF 4TH STREET AND DESTINATION DRIVE.
   ELEVATION=983.49
2. BURY BOLT ON HYDRANT SE CORNER OF 1ST AND GATEWAY DRIVE.
   ELEVATION=940.44

SUBMITTAL DATES

FIRST SUBMITTAL: 05/08/2023
SECOND SUBMITTAL: 05/30/2023

CONSTRUCTION SCHEDULE

ANTICIPATED START DATE = SUMMER 2023
ANTICIPATED FINISH DATE = SUMMER 2024

PLANTING SCHEDULE

ANTICIPATED START DATE = APRIL 2024

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
Know what's below. Call before you dig.

UTILITY WARNING

ANY UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORDS OBTAINED BY THIS SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.

CIVIL DESIGN ADVANTAGE
4121 NW URBANDALE DRIVE, URBANDALE, IA 50322
PH: (515) 369-4400
PROJECT NO. 2211.789

THE PROJECT REQUIRES AN IOWA NPDES PERMIT #2 AND CITY OF GRIMES GRADING PERMIT. CIVIL DESIGN ADVANTAGE WILL PROVIDE THE PERMITS AND THE INITIAL STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE CONTRACTORS USE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP THROUGHOUT CONSTRUCTION AND MEETING LOCAL, STATE AND FEDERAL REQUIREMENTS.

ALL CONSTRUCTION MATERIALS, DUMPSTERS, DETACHED TRAILERS OR SIMILAR ITEMS ARE PROHIBITED ON PUBLIC STREETS OR WITHIN THE PUBLIC R.O.W.

THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS, THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.

LICENSED PROFESSIONAL ENGINEER — JOHN PATRICK LEGLER — 25523 — IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

JOHN PATRICK LEGLER, P.E. — DATE

LICENSE NUMBER: 25523
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022
PAGES OR SHEETS COVERED BY THIS SEAL:
C0.0, C1.1, C2.1, C3.1–C3.2, C4.1, C5.1, C6.1

PRELIMINARY NOT FOR CONSTRUCTION

LICENSED PROFESSIONAL LANDSCAPE ARCHITECT — KEITH D. WEBSER — 00442 — IOWA

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE, I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

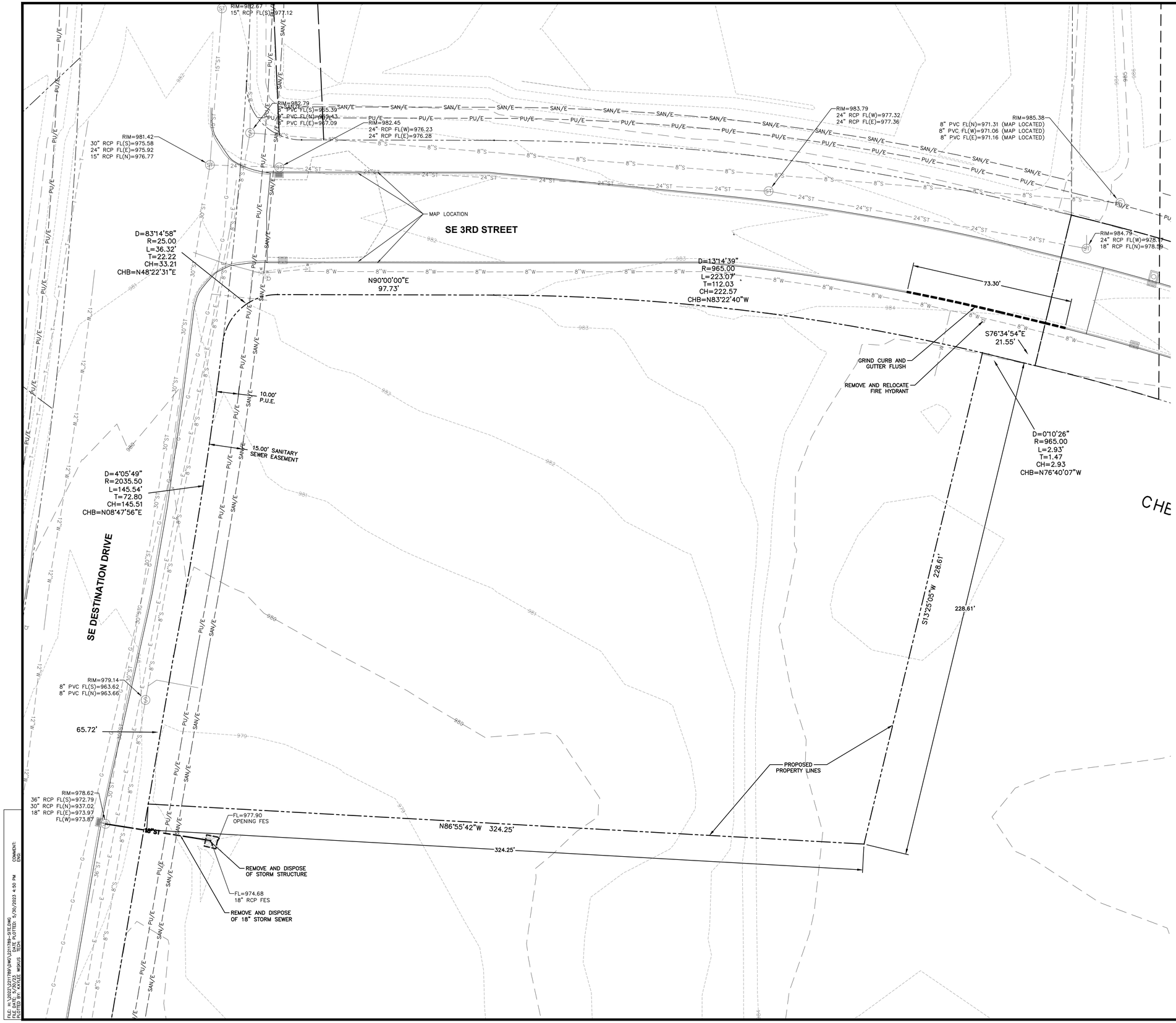
KEITH D. WEBSER, ASLA — DATE

MY LICENSE RENEWAL DATE IS JUNE 30, 2022
PAGES OR SHEETS COVERED BY THIS SEAL:
L1.1 AND L2.1

PRELIMINARY NOT FOR CONSTRUCTION

INSPIRING DANCE - 2211.789

FILE: H:\2022\2211789\DWG\2211789-SITE.DWG
DATE PLOTTED: 5/30/2023 4:50 PM
PLOTTED BY: KALEB WISCH
COMMENT: ENG



DEMOLITION NOTES

1. PRIOR TO ANY WORK AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER OR ENGINEER AND CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANY REPRESENTATIVES. NO COMPENSATION WILL BE ALLOWED FOR DAMAGE FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.
2. PRIOR TO DEMOLITION, CONTRACTOR SHALL NOTIFY IN WRITING (48 HRS NOTICE) THE FOLLOWING:
   A. CITY
   B. APPROPRIATE UTILITY COMPANIES
   C. OWNER
   D. CIVIL DESIGN ADVANTAGE
   E. ARCHITECT
3. DO NOT DISTURB EXISTING UTILITIES UNLESS OTHERWISE NOTED. COORDINATE REMOVAL OR ABANDONMENT OF ALL UTILITIES WITH THE APPROPRIATE UTILITY SUPPLIER AND REGULATORY AGENCIES.
4. PROTECT EXISTING UTILITIES THAT ARE TO REMAIN. THE LOCATIONS OF ALL UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.
5. BACKFILL ALL EXCAVATIONS WITH COHESIVE MATERIAL COMPACTED TO 95% MAXIMUM STANDARD PROCTOR DRY DENSITY AND MOISTURE RANGE OF OPTIMUM MOISTURE TO 4% ABOVE OPTIMUM MOISTURE. TESTING OF BACKFILL TO BE BY A GEOTECHNICAL ENGINEER EMPLOYED BY THE OWNER. IN THE EVENT OF A TEST FAILURE, ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR.
6. FIELD VERIFY EXISTING GRADES AND LOCATION OF EXISTING UTILITIES, CONDUIT, LINES, POLES, TREES, PAVING, BUILDING AND OTHER SITE FEATURES PRIOR TO DEMOLITION AND IMMEDIATELY INFORM THE ENGINEER AND/OR OWNER OF ANY DISCREPANCIES.
7. DEMOLITION NOTES AS SHOWN ON THE PLAN ARE NOT ALL INCLUSIVE. CONTRACTOR TO ABANDON IN PLACE OR REMOVE AND DISPOSE OF ALL EXISTING SITE IMPROVEMENTS ABOVE AND BELOW GROUND TO COMPLY WITH THE GENERAL INTENT OF THIS DOCUMENT.
8. ALL CONSTRUCTION/DEMOLITION DEBRIS SHALL BE DISPOSED OF OFFSITE IN FULL COMPLIANCE WITH CURRENT ENVIRONMENTAL REGULATIONS.
9. CONSTRUCTION LIMITS SHALL BE CONFINED TO THE SITE BOUNDARY AS NOTED. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA STANDARDS. NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.

TRAFFIC CONTROL NOTES

1. ALL APPLICABLE CITY PERMITS, INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS, SHALL BE OBTAINED PRIOR TO ANY CONSTRUCTION WITHIN CITY R.O.W. OR LANE CLOSURES.
2. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. PERMANENT SIGNING THAT CONVEYS A MESSAGE CONTRARY TO THE MESSAGE OF TEMPORARY SIGNING AND NOT APPLICABLE TO THE WORKING CONDITIONS SHALL BE COVERED BY THE CONTRACTOR WHEN DIRECTED BY THE CITY.
4. THE CONTRACTOR SHALL COORDINATE HIS TRAFFIC CONTROL WITH OTHER CONSTRUCTION PROJECTS IN THE AREA.
5. SIDEWALK CLOSED SIGNS REQUIRED FOR ALL SIDEWALK CLOSURES.
6. THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
7. ALL SIGNING AND LANE STRIPING WILL NEED TO COMPLY WITH MUTCD. MAINTENANCE AND REPLACEMENT OF THE SIGNING AND STRIPING WILL BE THE RESPONSIBILITY OF THE APPLICANT.

CIVIL DESIGN ADVANTAGE
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410
ENGINEER:
DRAFTED:

REVISIONS	DATE

INSPIRING DANCE

TOPOGRAPHIC SURVEY/ DEMOLITION PLAN

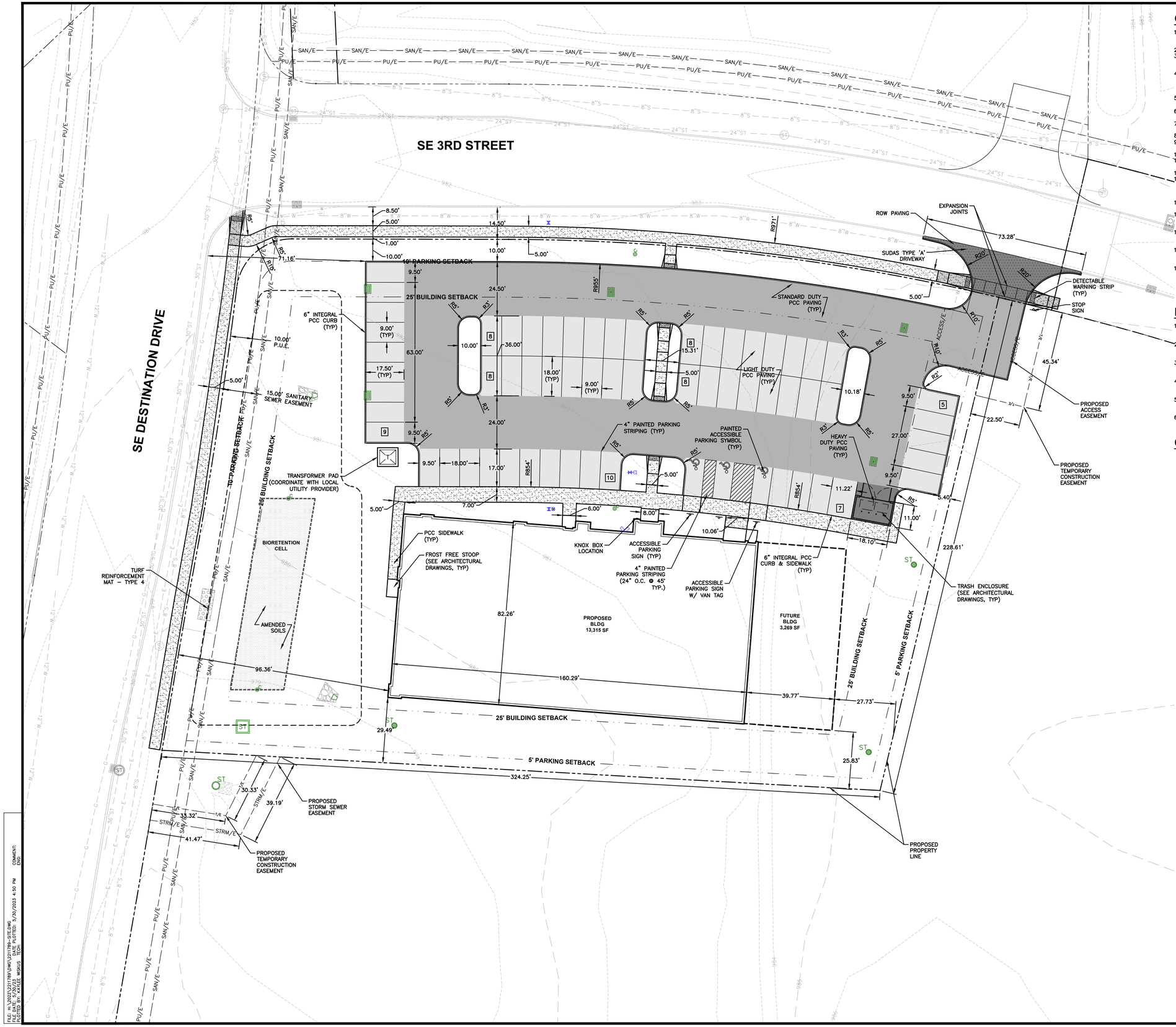
2340 SE 3RD STREET
GRIMES, IOWA

DATE: 05/30/2023

SHEET NUMBER: C1.1

2211.789

FILE: P:\2022\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE HEROS
DATE PLOTTED: 5/30/2023 4:50 PM
TEAM:
COMMENT:
ENG:



GENERAL NOTES

1. THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.
2. ALL WORK SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
3. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
4. PRIOR TO ANY WORK AT THE SITE, CONTRACTOR SHALL EXAMINE ANY APPLICABLE DRAWINGS AVAILABLE FROM THE OWNER, ENGINEER, AND/OR ARCHITECT, AND CONSULT WITH OWNER'S PERSONNEL AND UTILITY COMPANY REPRESENTATIVES. NO COMPENSATION WILL BE ALLOWED FOR DAMAGE FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.
5. ONE WEEK PRIOR TO CONSTRUCTION WITHIN CITY R.O.W. OR ANY CONNECTION TO PUBLIC SEWERS CONTRACTOR SHALL NOTIFY THE CITY'S CONSTRUCTION DIVISION.
6. ALL CONSTRUCTION WITHIN PUBLIC R.O.W./ EASEMENTS, AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE CITY'S STANDARDS.
7. ALL DIMENSIONS ARE TO BACK OF CURB, BUILDING FACE OR PROPERTY LINE UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
9. PLACE 3/4 INCH EXPANSION JOINT BETWEEN ALL P.C.C. PAVEMENT/SIDEWALKS AND BUILDING. PLACE 1/2 INCH EXPANSION JOINT BETWEEN SIDEWALKS AND P.C.C. PAVEMENT.
10. REMOVE ALL DEBRIS SPILLED INTO R.O.W. AT THE END OF EACH WORK DAY.
11. ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE.
12. DO NOT STORE CONSTRUCTION MATERIALS AND EQUIPMENT IN THE RIGHT OF WAY.
13. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
14. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
15. THE CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY, AS DIRECTED BY THE ENGINEER OR THE CITY.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK BETWEEN SUPPLIERS AND SUBCONTRACTORS INVOLVED IN THE PROJECT, INCLUDING STAGING OF CONSTRUCTION DETAILS.
17. CONCRETE REMOVAL FOR DRIVEWAY APPROACHES SHALL BE REMOVED TO THE NEAREST TRANSVERSE JOINT. CONTRACTOR SHALL VERIFY REMOVAL LIMITS WITH CITY'S CONSTRUCTION INSPECTOR PRIOR TO ANY CONCRETE REMOVAL.
18. ALL PERMITS AND ADDITIONAL FEES REQUIRED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE CONTRACTOR BID.

PAVEMENT THICKNESS

1. SIDEWALKS	4" P.C.C.	
2. SIDEWALK RAMPS	6" P.C.C.	
3. LIGHT DUTY PAVING	6" P.C.C.	
4. STANDARD DUTY PAVING	7" P.C.C.	
5. HEAVY DUTY PAVING	8" P.C.C.	
6. ROW PAVING	MATCH EXISTING	

CITY OF GRIMES STANDARD NOTES FOR SITE PLANS

1. GENERAL NOTES:

A. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT VERSION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) FOR PUBLIC IMPROVEMENTS ON THE DATE OF APPROVAL AND THE CITY OF GRIMES SUPPLEMENTAL SPECIFICATIONS.
B. A PRECONSTRUCTION MEETING IS REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THIS MEETING. CONTACT THE CITY OF GRIMES BUILDING DIVISION (515.986.4050).
C. ALL PERMITS (IDNR, NPDES, IDOT, ARMY CORP., ETC.) SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
D. PROVIDE THE CITY OF GRIMES WITH RECORD DRAWINGS (AS-BUILTS) OF ALL IMPROVEMENTS AND EASEMENTS AS PER CITY COMMERCIAL AS-BUILT POLICY.
E. THE RECORD DRAWINGS SHOULD INCLUDE A CERTIFIED GRADING SHEET AND AS-BUILT PLANS OF ALL STORMWATER MANAGEMENT FACILITIES ON SITE WITH A CERTIFICATION STATEMENT SIGNED BY THE DESIGN ENGINEER INDICATING THAT THE FACILITIES WERE CONSTRUCTED AS DESIGNED.
F. RECORD DRAWINGS TO INCLUDE ONE ELECTRONIC FILE IN .DWG AND .PDF FILE EXTENSIONS.
G. TYPICAL BUILDING SERVICE LAYOUT TO REFLECT THE CITY'S SERVICE ORDER FROM LEFT TO RIGHT FACING THE LOT SANITARY, WATER, SUMP. MARK THE ENDS OF SERVICES WITH A STEEL FENCE POST AND PAINT GREEN FOR SANITARY, BLUE FOR WATER, AND WHITE FOR STORM. MARK THE ENDS OF SANITARY AND SUMP WITH A 2 X 4 FROM END OF PIPE TO 2' ABOVE GRADE.
H. A KNOX BOX IS REQUIRED BY THE FIRE DEPARTMENT.
I. ALL SITE LIGHTING SHALL NOT SPILL ONTO ADJACENT PROPERTIES OR RIGHTS-OF-WAY.
J. PROVIDE A 4-YEAR MAINTENANCE BOND FOR ALL PUBLIC IMPROVEMENTS (UTILITY, PAVING, SUBGRADE) WITH AN ITEMIZED COST BREAKDOWN.

2. SANITARY SEWER NOTES:

A. THE CONTRACTOR IS REQUIRED TO PLACE A TEMPORARY PLUG IN THE EXISTING DOWNSTREAM SANITARY SEWER MANHOLE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE THE PLUG FOLLOWING APPROVAL OF CONSTRUCTION BY THE CITY OF GRIMES.
B. SANITARY GRAVITY PIPE MATERIAL SHALL BE PVC SDR 26 OR TRUSS (8' TO 15').
C. SANITARY GRAVITY SERVICE PIPE MATERIAL SHALL BE PVC SDR 23.5 (4' TO 6').
D. ALL SANITARY SEWER MANHOLES SHALL HAVE STEPS.
E. ALL SANITARY SEWER MANHOLES CASTINGS SHALL BE SEALED WITH HEAT SHRINK SLEEVES.
F. ALL SANITARY SEWER MANHOLE CASTINGS LOCATED WITHIN PAVEMENT SHALL BE TYPE B:PCC W/ADJUSTING MECHANISM.
G. SANITARY SEWER CLEANING & TELEVISING SHALL BE COMPLETED PRIOR TO PAVING. RUN SUFFICIENT DYED WATER THROUGH PIPE PRIOR TO TELEVISING. PROVIDE THE VIDEO AND INSPECTION REPORT TO THE CITY ENGINEERING DIVISION.

3. WATER MAIN NOTES:

A. ALL FIRE HYDRANTS SHALL BE AMERICAN FLOW CONTROL-WATEROUS PACER WB-67-250, MUELLER SUPER CENTURION 250 (3-WAY A-423), OR CLOW MEDALLION F-2545. ALL HYDRANTS SHALL HAVE THE FOLLOWING: 6" MJ SHOE, 2-1/2" HOSE NOZZLE, 4-1/2" STEAMER NOZZLE, NST THREADS, PENTAGON OPERATING NUT, CHAIN ON CAP, OPEN LEFT, 5-1/2' BURY, AND FACTORY PAINTED RED. THE MINIMUM SPOOL PIPE LENGTH FROM AUXILIARY VALVE TO HYDRANT SHOE SHALL BE 2.0'.
B. ALL HYDRANTS WILL IMMEDIATELY BE COVERED WITH A BLACK PLASTIC BAG (OR EQUIVALENT) ONCE THE HYDRANT IS INSTALLED. THE CITY OF GRIMES WILL NOTIFY THE CONTRACTOR WHEN THE BAGS CAN BE REMOVED.
C. A TRACER WIRE RECEPTACLE SHALL BE INSTALLED AT EACH HYDRANT, AA MANUFACTURING TRACER WIRE RECEPTACLE MODEL TW-18-2.
D. ALL VALVES SHALL BE RESILIENT WEDGE GATE VALVES.
E. WATER SERVICE SHALL BE 1-INCH MINIMUM TYPE K COPPER.
F. THE CITY OF GRIMES SHALL DO THE FILLING OF THE WATER MAIN.
G. NEW WATER MAIN SHALL BE PRESSURE TESTED AND CHLORINATED BY THE CONTRACTOR. THE BACTERIA TEST AND SUBMITTAL OF TEST TO LAB SHALL BE DONE BY THE CONTRACTOR AND RESULTS PROVIDED TO THE CITY OF GRIMES ENGINEERING DIVISION. ALL TESTS AND SAMPLING TO BE WITNESSED BY THE CITY ENGINEERING DIVISION. IF THE TEST DOES NOT PASS, THE CONTRACTOR WILL BE REQUIRED TO PAY FOR ALL THE WATER USED TO REPEAT THE TEST.
H. ALL WATERMAIN FITTINGS TO BE RESTRAINED JOINT, MEGA-LUG OR APPROVED EQUAL.
I. ALL DEAD-END WATER MAINS TO HAVE TEMPORARY BLOWOFF HYDRANTS.

4. STORM SEWER NOTES:

A. ALL STORM SEWER IN THE ROW SHALL BE RCP, UNLESS OTHERWISE APPROVED BY THE CITY.
B. ALL FLARED END SECTIONS SHALL HAVE FOOTINGS AND APRON GRATES. THE LAST 3 PIPE SECTIONS AND THE FLARED END SECTION ON ALL STORM SEWERS SHALL BE TIED. ALL STORM SEWER JOINTS SHALL BE WRAPPED WITH ENGINEERING FABRIC UNLESS OTHERWISE DIRECTED.
C. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY FIELD TILE DAMAGED DURING CONSTRUCTION. THE TILE SHOULD BE DIRECTED TO PUBLIC STORM SEWER IF POSSIBLE. THE CONTRACTOR SHALL RECORD THE ELEVATION AND LOCATION OF ALL TILES AND INCLUDE ON RECORD DRAWINGS.
D. PUBLIC STORM SEWER CLEANING & TELEVISING SHALL BE COMPLETED PRIOR TO PAVING. RUN SUFFICIENT DYED WATER THROUGH PIPE PRIOR TO TELEVISING. PROVIDE THE VIDEO AND INSPECTION REPORT TO THE CITY ENGINEERING DIVISION.
E. USE O RING GASKETS ON STORM SEWERS CROSSING OVER WATERMAIN PER IDNR REQUIREMENT.

N

SCALE
0' 10' 20' 40'

GA
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410
CIVIL DESIGN ADVANTAGE

DATE | REVISIONS | DRAFTED: | ENGINEER:

INSPIRING DANCE
DIMENSION PLAN

2340 SE 3RD STREET GRIMES, IOWA

DATE: 05/30/2023
SHEET NUMBER: C2.1
2211.789

FILE: (A:\2022\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE KRSKOS
DATE PLOTTED: 5/30/2023 4:50 PM
COMMENT: ENG

GRADING NOTES

1. PRIOR TO ANY GRADING, A COPY OF THE NPDES PERMIT SHALL BE PROVIDED TO THE CITY'S BUILDING DIVISION.
2. CONTRACTOR SHALL STRIP ALL DELETERIOUS MATERIAL. THE TOP 6" OF TOPSOIL IS TO BE STOCKPILED AND RESPREAD AFTER GRADING IS COMPLETE. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A SUITABLE TOPSOIL STOCKPILE SITE.
3. EXCAVATION SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS, IF APPLICABLE.
4. MATCH EXISTING GRADES AT PROPERTY LINES AND/OR CONSTRUCTION LIMITS.
5. ALL SPOT ELEVATIONS ARE FORM GRADE (FG) OR TOP OF FINISHED SURFACES UNLESS OTHERWISE NOTED.
6. SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
7. SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
8. THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN THE CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
10. REFER TO SEPARATE STORM WATER POLLUTION PREVENTION PLAN FOR DETAILS ON EROSION CONTROL.
11. FINAL FINISH GRADING TO BE APPROVED BY THE ARCHITECT AND CIVIL ENGINEER. MATCH EXISTING GRADES AT THE INTERFACE OF NEW AND EXISTING GRADES OR PAVING.
12. SIDEWALKS:
    MAINTAIN 1% MINIMUM AND 5% MAXIMUM LONGITUDINAL SLOPES ON ALL PAVED WALKWAYS. ALL WALKS TO HAVE 2.0% MAXIMUM TRANSVERSE SLOPE IN THE DIRECTION OF NATURAL DRAINAGE. SAW CUT JOINTS AS SOON AS CONCRETE HAS SET. SAW CUTS TO BE 1/8" TO 1/4" WIDE; DEPTH: LONGITUDINAL 1/3, TRANSVERSE 1/4.
13. THE GRADING OF THE DETENTION FACILITY, INSTALLATION OF THE STORM SEWER SYSTEM (IF APPLICABLE), AND THE INSTALLATION OF THE ORIFICE PLATE (IF APPLICABLE) SHALL BE COMPLETED AND FUNCTIONAL PRIOR TO ANY INCREASE IN IMPERVIOUS SURFACES WITHIN THE SITE OR THE PREVIOUSLY MENTIONED ITEMS SHALL BE GRADED/ INSTALLED AS SOON AS PRACTICAL.
14. AMENDED SOILS AND BIORETENTION CELL MUST BE BUILT POST CONSTRUCTION, ONCE ALL AREAS ARE BUILT OUT AND VEGETATED OR SODDED. SEDIMENT POND WILL BE NEEDED DURING CONSTRUCTION.

SE 3RD STREET

SE DESTINATION DRIVE

SEE ENLARGEMENT 01 ON SHEET C3.2

SEE ENLARGEMENT 02 ON SHEET C3.2

SEE ENLARGEMENT 03 ON SHEET C3.2

SEE ENLARGEMENT 04 ON SHEET C3.2

SEE ENLARGEMENT 05 ON SHEET C3.2

PROPOSED BLDG 13,315 SF

BIORETENTION CELL

AMENDED SOILS

TURF REINFORCEMENT MAT – TYPE 4

OVERFLOW ROUTE

10.00' P.U.E.

15.00' SANITARY SEWER EASEMENT

N

SCALE 0' 10' 20' 40'

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

CIVIL DESIGN ADVANTAGE

ENGINEER:

DRAFTED:

DATE

REVISIONS

INSPIRING DANCE

GRADING PLAN

GRIMES, IOWA

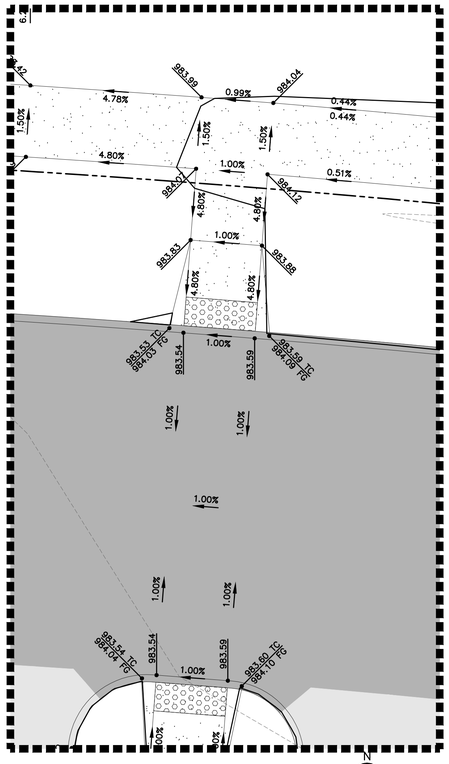
2340 SE 3RD STREET

DATE: 05/30/2023

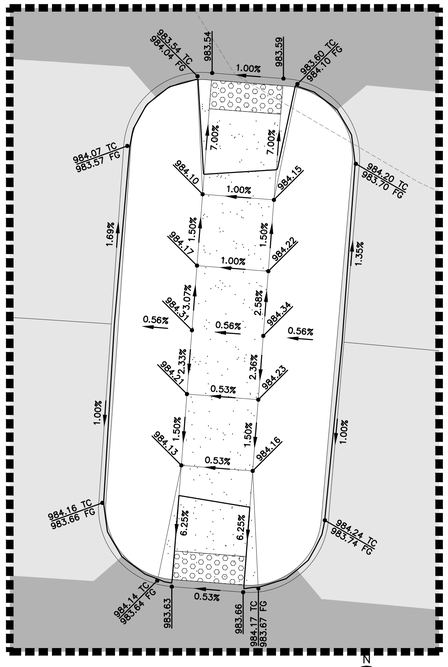
SHEET NUMBER: C3.1

2211.789

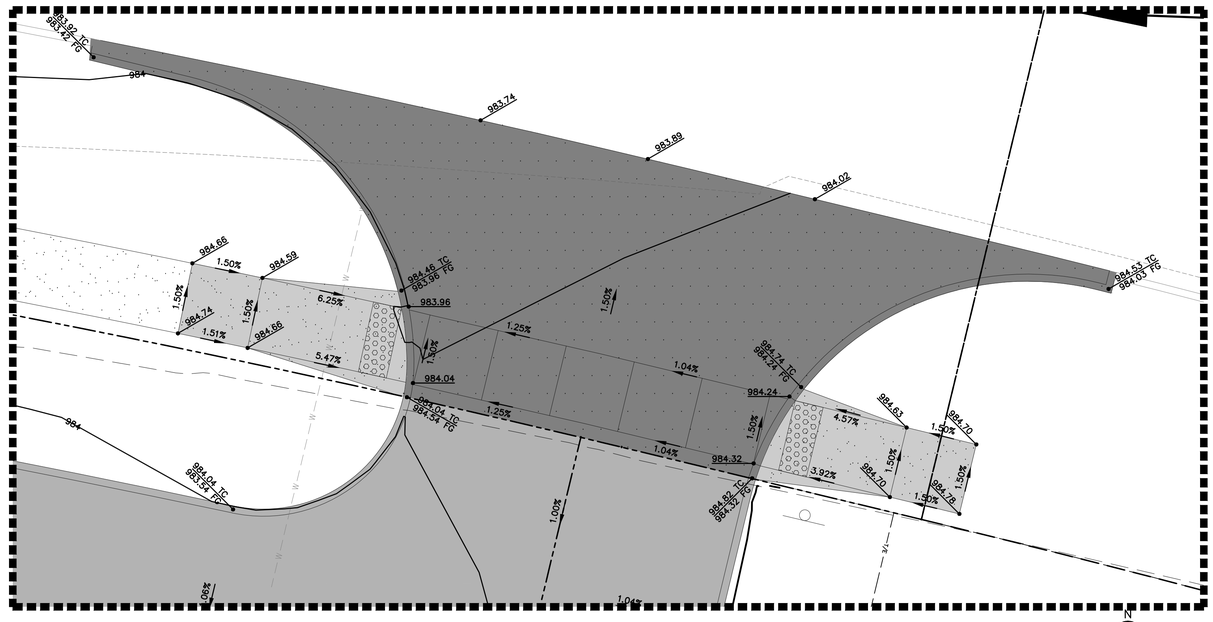
FILE: I:\2022\2211789\DWG\2211789-SITE.DWG
FILE_DATE: 5/30/2023
PLOTTED BY: KEITH E. WEMOS
DATE PLOTTED: 5/30/2023 4:50 PM
TECH:
COMMENT:
DISC:



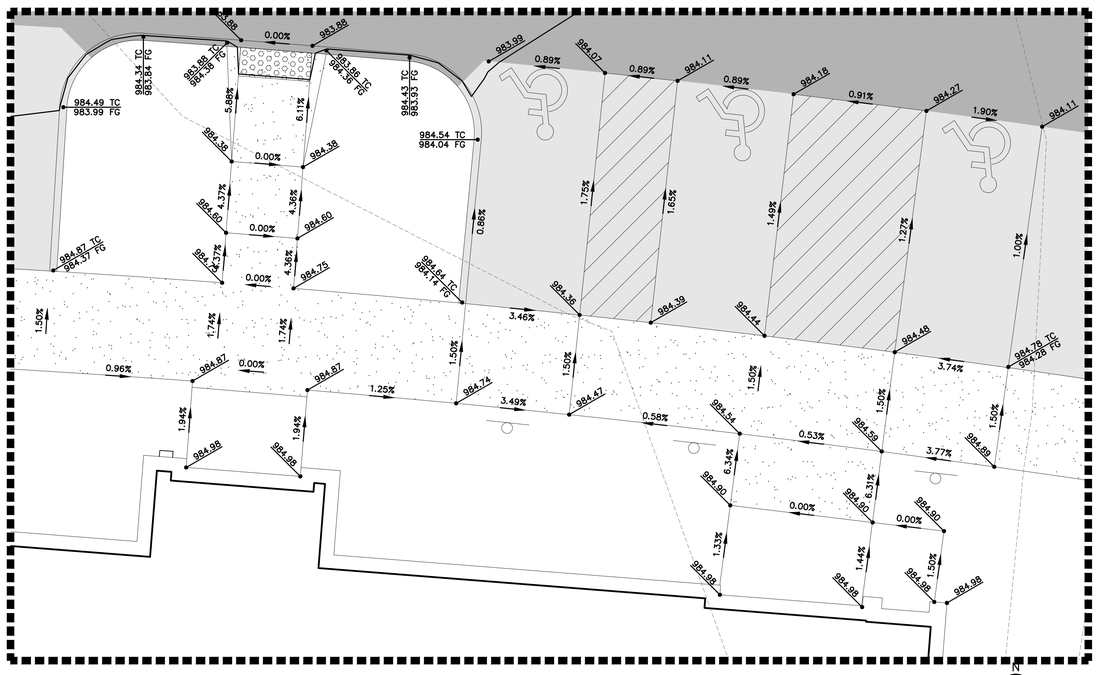
GRADING ENLARGEMENT 01



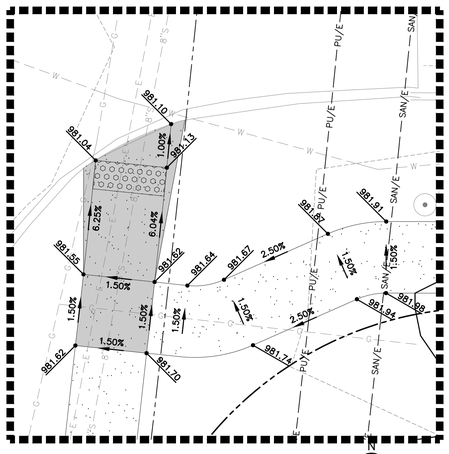
GRADING ENLARGEMENT 02



GRADING ENLARGEMENT 03



GRADING ENLARGEMENT 04



GRADING ENLARGEMENT 05

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

DATE	REVISIONS	ENGINEER:	DRAFTED:

CIVIL DESIGN ADVANTAGE

INSPIRING DANCE

GRADING PLAN

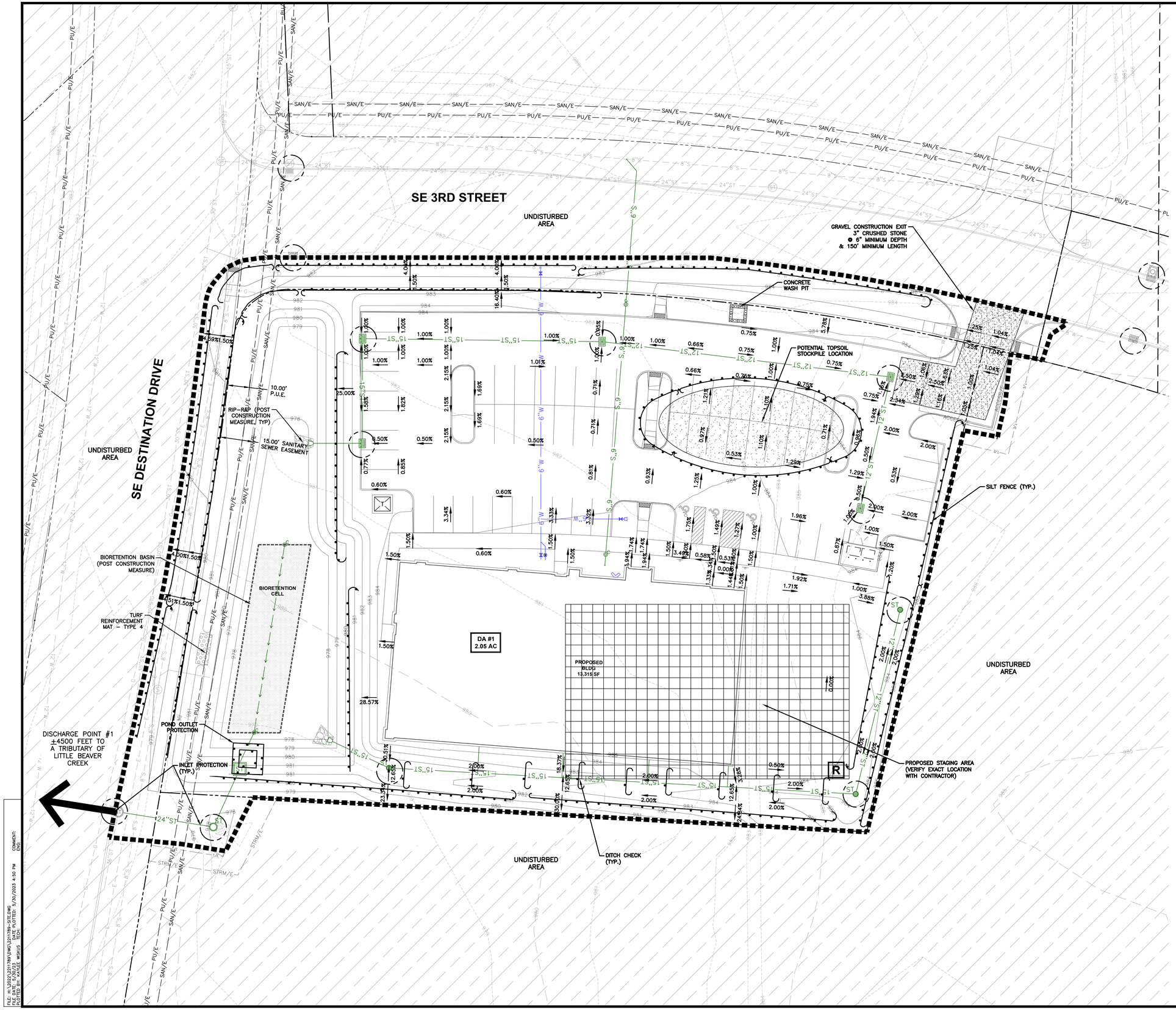
2340 SE 3RD STREET
GRIMES, IOWA

DATE: 05/30/2023

SHEET NUMBER: C3.2

2211.789

FILE: I:\2022\2211789\CIVIL\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE HEROS
DATE PLOTTED: 5/30/2023 4:50 PM
TEAM:
COMMENT:
DOC:



STABILIZATION QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	SILT FENCE	LF	2,085
2	DITCH CHECKS	LF	161
3	SEEDING, FERTILIZING, AND MULCHING	AC	1
4	INLET PROTECTION DEVICES	EA	14
5	CONCRETE WASHOUT PIT	EA	1

DISCHARGE POINT SUMMARY

DISCHARGE POINT #1 TO LITTLE BEAVER CREEK ±4500 FT

TOTAL AREA DISTURBED TO DISCHARGE POINT	2.05 ACRES
STORAGE VOLUME REQUIRED (# OF ACRES*3600 CU FT)	7,380 CU FT
VOLUME PROVIDED IN SILT FENCE (2,085 LF @ 4.5 CU FT/LF OF FENCE)	9,383 CU FT
VOLUME PROVIDED IN DITCH CHECK (161 LF @ 4.5 CU FT/LF)	725 CU FT
TOTAL VOLUME PROVIDED	10,108 CU FT

NOTES:

1. IF DEWATERING IS NEEDED FOR ANY REASON, DISCHARGE OF WATER OFFSITE IS TO CONFORM WITH THE GENERAL PERMIT #2 REQUIREMENT.
2. DISTURBED AREAS SHALL BE TEMPORARILY SEEDED OR MULCHED IMMEDIATELY WHENEVER CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
3. STORM SEWERS AND DRAINAGE WAYS SHALL BE PROTECTED FROM CONCRETE SLURRY PRODUCED BY SAWCUTTING AND CONCRETE GRINDING.

SWPPP LEGEND

- DRAINAGE ARROW (X.XX %)
- GRADING LIMITS
- FILTER SOCK
- SILT FENCE
- DITCH CHECK
- INLET PROTECTION
- PORTABLE RESTROOM (R)
- CONCRETE WASHOUT PIT
- AREA TO BE SEEDED
- UNDISTURBED AREA
- RIP-RAP
- GRAVEL ENTRANCE
- STAGING AREA

N

SCALE
0' 10' 20' 40'

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

DRAFTED:
ENGINEER:

CIVIL DESIGN ADVANTAGE

INSPIRING DANCE
EROSION AND SEDIMENT CONTROL PLAN

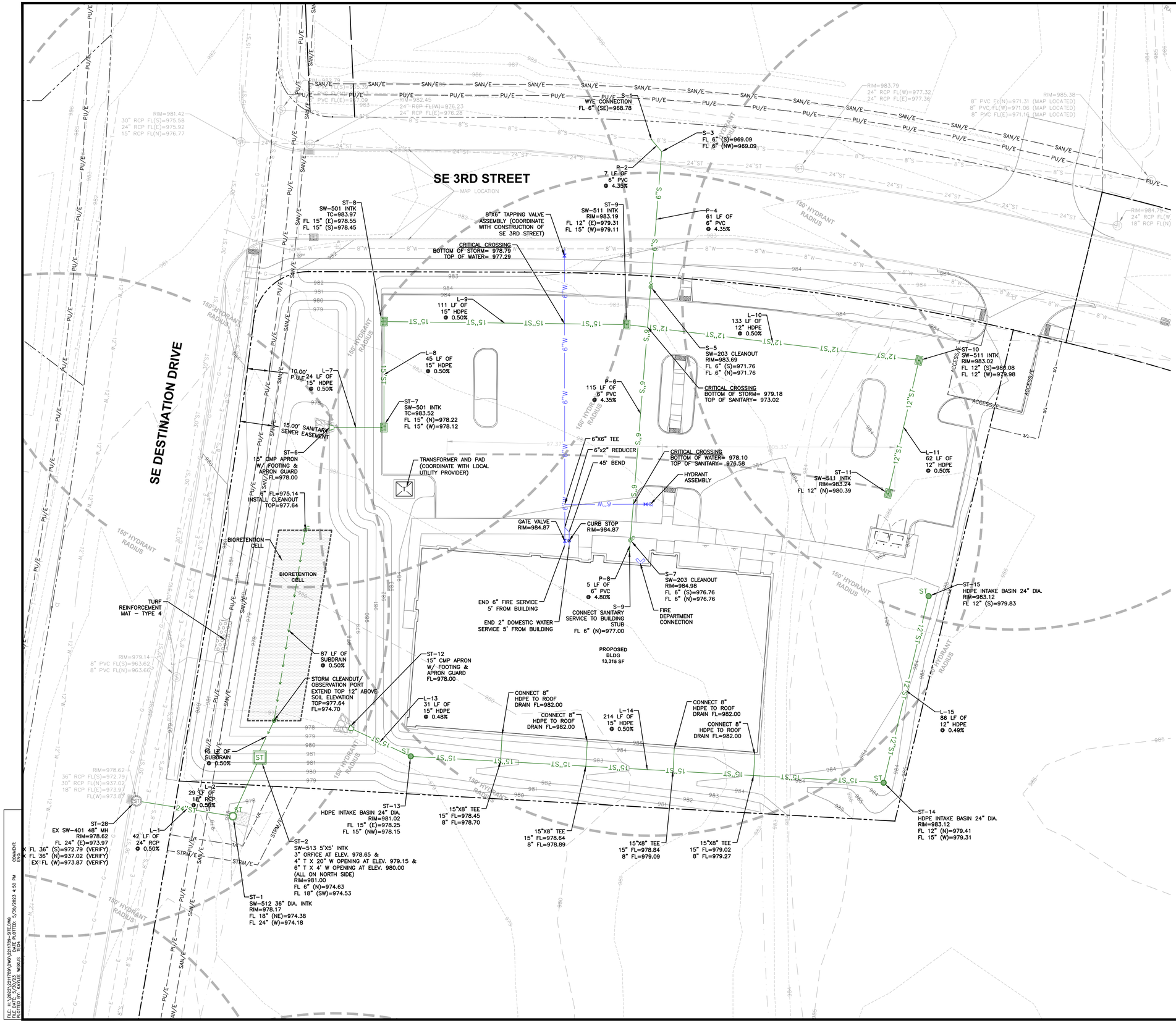
2340 SE 3RD STREET
GRIMES, IOWA

DATE:
05/30/2023

SHEET NUMBER:
C4.1
2211.789

REVISIONS
DATE

FILE: M:\2022\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KALEE WOOLCOTT
DATE PLOTTED: 5/30/2023 4:50 PM
COMMENT:
ENG
TECH



UTILITY NOTES

1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR UTILITY SERVICE SIZES AND EXACT LOCATIONS. REFER TO ELECTRICAL PLANS FOR ELECTRIC AND TELEPHONE SERVICE CONSTRUCTION DETAILS. REFER TO MECHANICAL PLANS FOR GAS SERVICE CONSTRUCTION DETAILS.
2. FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL CONNECTIONS TO EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.
4. BACKFILL ALL UTILITY TRENCHES ACCORDING TO THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS. MAINTAIN A MINIMUM OF 5.5' COVER OVER ALL WATERMAINS.
5. ALL UTILITIES SHALL BE STUBBED TO 5 FEET FROM BUILDINGS. REFER TO MEP PLANS FOR DESIGN FROM 5' OUTSIDE OF BUILDING FACE.
6. ADJUST ALL MANHOLES AND INTAKES TO FINISHED GRADES.
7. ALL SANITARY SEWER AND WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY'S PLUMBING CODE.
8. 18" MINIMUM VERTICAL CLEARANCE BETWEEN STORM SEWER AND SANITARY SEWER PIPES. 18" MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN.
9. MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER MAINS.
10. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATIONS AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT 800-292-8989 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT.
11. ALL WATERMAIN WORK, PUBLIC OR PRIVATE SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS.
12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED IN THE PROJECT.
13. PRIVATE UTILITIES TO BE INSTALLED PER THE CITY'S STANDARD CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND THE 2012 UNIFORM PLUMBING CODE. CONTACT BUILDING INSPECTION A MINIMUM OF 24 HOURS IN ADVANCE FOR UTILITY INSTALLATION INSPECTIONS.
14. OWNER IS RESPONSIBLE FOR MAINTENANCE OF PRIVATE RETENTION FACILITIES AND PRIVATE UTILITIES.
15. CONTRACTOR SHALL PREVENT ENTRY OF MUD, DIRT, DEBRIS AND OTHER MATERIAL INTO NEW AND EXISTING SEWER SYSTEMS. SHOULD ANY CONTAMINATION OCCUR DURING CONSTRUCTION, THE CONTRACTOR SHALL CLEAN AT NO COST TO THE OWNER. INSTALL SILT FENCE AT ALL PERMANENT STORM SEWER INLETS.

PRIVATE WATER MAIN QUANTITIES

HYDRANT ASSEMBLY	1 EA
6" SERVICE	170 LF
6" VALVE	1 EA
2" SERVICE	9 LF
CURB STOP	1 EA
6"X6" TEE	1 EA
TAPPING SLEEVE AND VALVE	1 EA

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

DRAFTED:
ENGINEER:

DATE
REVISIONS

CIVIL DESIGN ADVANTAGE

GRIMES, IOWA

INSPIRING DANCE
UTILITY PLAN

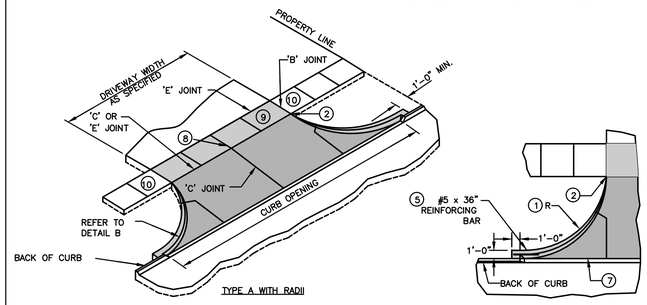
2340 SE 3RD STREET

DATE:
05/30/2023

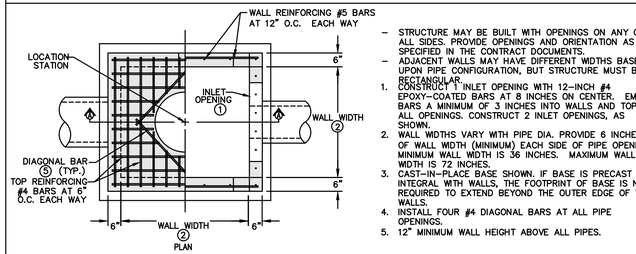
SHEET NUMBER:
C5.1
2211.789

COMMENT:
DWG
DATE PLOTTED: 5/30/2023 4:50 PM
TECH:
FILE: I:\2022\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE HICKOX

1. DRIVEWAY RADIUS (R).
2. TRANSITION THE CURB HEIGHT TO 0 INCHES AT END OF TAPER/RADIUS OR AT THE FRONT EDGE OF SIDEWALK. DO NOT EXTEND RAISED CURB ACROSS SIDEWALK.
3. PAVEMENT THICKNESS. RESIDENTIAL: 6 INCHES MINIMUM. COMMERCIAL AND INDUSTRIAL: 7 INCHES MINIMUM.
4. SIDEWALK THICKNESS THROUGH DRIVEWAY TO MATCH THICKNESS OF DRIVEWAY.
5. CENTER REINFORCING BAR VERTICALLY IN THE PAVEMENT.
6. MATCH THICKNESS OF ADJACENT ROADWAY, 8 INCHES MINIMUM.
7. PROVIDE 'E' JOINT AT BACK OF CURB UNLESS 'B' JOINT IS SPECIFIED.
8. FOR ALLEYS, INVERT THE PAVEMENT CROWN 2% TOWARD CENTER OF ALLEY.
9. TARGET CROSS SLOPE OF 1.5% WITH A MAXIMUM CROSS SLOPE OF 2.0%. IF SPECIFIED IN THE CONTRACT DOCUMENTS, CONSTRUCT THE SIDEWALK THROUGH THE DRIVEWAY 5 FEET WIDE TO SERVE AS A PASSING SPACE.
10. IF CROSS SLOPE OF ADJACENT SIDEWALK PANEL EXCEEDS 2.0%, REMOVE AND REPLACE TO TRANSITION FROM EXISTING SIDEWALK TO SIDEWALK THROUGH DRIVEWAY. IF ELEVATION CHANGE REQUIRES A CURB RAMP, COMPLY WITH FIGURE 7030.205; VERIFY NEED FOR DETECTABLE WARNING PANEL WITH ENGINEER.

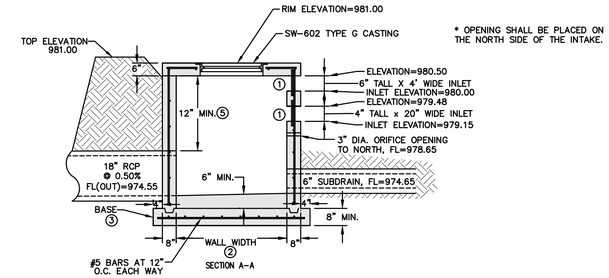


3 CONCRETE DRIVEWAY TYPE A
NOT TO SCALE



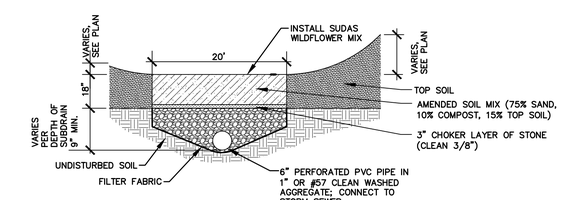
- STRUCTURE MAY BE BUILT WITH OPENINGS ON ANY OR ALL SIDES. PROVIDE OPENINGS AND ORIENTATION AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- ADJACENT WALLS MAY HAVE DIFFERENT WIDTHS BASED UPON PIPE CONFIGURATION, BUT STRUCTURE MUST BE RECTANGULAR.

1. CONSTRUCT 1 INLET OPENING WITH 12-INCH #4 EPOXY-COATED BARS AT 8 INCHES ON CENTER. EMBED BARS A MINIMUM OF 3 INCHES INTO WALLS AND TOP AT ALL OPENINGS. CONSTRUCT 2 INLET OPENINGS, AS SHOWN.
2. WALL WIDTHS VARY WITH PIPE DIA. PROVIDE 6 INCHES OF WALL WIDTH (MINIMUM) EACH SIDE OF PIPE OPENING. MINIMUM WALL WIDTH IS 36 INCHES. MAXIMUM WALL WIDTH IS 72 INCHES.
3. CAST-IN-PLACE BASE SHOWN. IF BASE IS PRECAST INTEGRAL WITH WALLS, THE FOOTPRINT OF BASE IS NOT REQUIRED TO EXTEND BEYOND THE OUTER EDGE OF THE WALLS.
4. INSTALL FOUR #4 DIAGONAL BARS AT ALL PIPE OPENINGS.
5. 12" MINIMUM WALL HEIGHT ABOVE ALL PIPES.



* OPENING SHALL BE PLACED ON THE NORTH SIDE OF THE INTAKE.

2 ST-2 MODIFIED SW-513 INTAKE - 5'X5' (BASIN 1)
NOT TO SCALE



NOTE:
1. REFER TO IOWA STORMWATER MANAGEMENT MANUAL FOR FURTHER DETAILS.
2. CONTRACTOR SHALL INSTALL AND FINAL GRADE BIO-RETENTION AREA AFTER ALL DISTURBED AREAS ARE ESTABLISHED TO MINIMIZE THE AMOUNT OF SEDIMENT REACHING THE FILTER BED.
3. SUDAS WILDFLOWER MIX SHALL BE INSTALLED WITHIN THE BIO-RETENTION AREA.

1 BIORETENTION CELL DETAIL
NOT TO SCALE

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

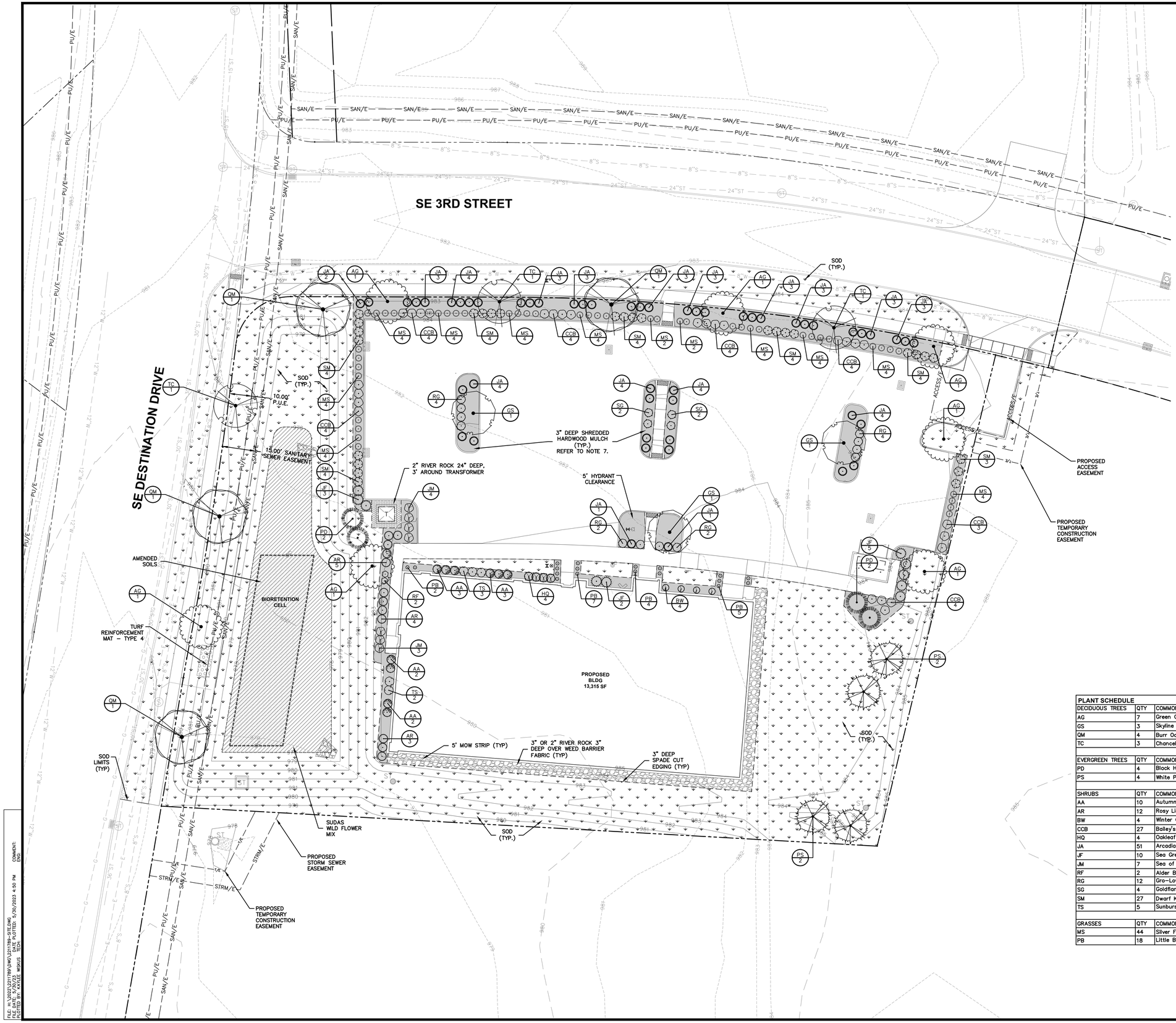
DATE | REVISIONS | DRAFTED: | ENGINEER:

CIVIL DESIGN ADVANTAGE

INSPIRING DANCE
DETAILS
2340 SE 3RD STREET
GRIMES, IOWA

DATE: 05/30/2023
SHEET NUMBER: C6.1
2211.789

FILE: N:\2022\2211789\CAD\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE HEROUS
DATE PLOTTED: 5/30/2023 4:50 PM
COMMENT:
DISC:



LANDSCAPE NOTES

1. LOCATE ALL UTILITIES BEFORE ANY PLANTING BEGINS.
2. THE MOST RECENT EDITION OF THE SUDAS STANDARD SPECIFICATIONS AND ALL CITY SUPPLEMENTALS, IF APPLICABLE, SHALL APPLY TO ALL WORK ON THIS PROJECT UNLESS OTHERWISE NOTED.
3. TYPE, SIZE, AND QUALITY OF PLANT MATERIAL SHALL CONFORM TO THE MOST CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1
4. ALL PLANT MATERIAL SHALL BE HEALTHY SPECIMENS WITHOUT DEFORMITIES, VOIDS AND OPEN SPACES, WITH WELL DEVELOPED BRANCH AND ROOT SYSTEMS; TRUE TO HEIGHT, SHAPE AND CHARACTER OF GROWTH OF THE SPECIES OR VARIETY.
5. SEED OR SOD ALL DISTURBED AREAS BASED ON APPROVED LANDSCAPE PLAN.
6. BACKFILL TO TOP OF CURB. (MINUS 1 1/2" FOR SOD, IF REQ.)
7. WEED PREVENTER (PRE-EMERGENT) SHALL BE SPREAD OVER SOIL AFTER PLANTING AND BEFORE MULCHING IN ALL PLANTING BEDS PER MANUFACTURER'S RECOMMENDATIONS.
8. MULCH OR RIVER ROCK SHALL BE PLACED AROUND ALL TREES, SHRUBS AND IN ALL PLANTING BEDS TO A (MIN) DEPTH OF 3".
9. ALL EDGING SHALL BE SPADE CUT EDGE.
10. PLANT QUANTITIES ARE SHOWN FOR INFORMATION ONLY, THE DRAWING SHALL PREVAIL IF ANY CONFLICTS ARISE.
11. ALL DEBRIS SPILLED IN THE PUBLIC R.O.W. SHALL BE PICKED UP BY THE CONTRACTOR AT THE END OF EACH WORK DAY.
12. CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF INSTALLATION.
13. CONTRACTOR SHALL PROVIDE IRRIGATION DESIGN TO OWNER, IF REQUESTED, FOR APPROVAL.

LANDSCAPE REQUIREMENTS

PARKING LOT PUBLIC RIGHT OF WAY BUFFER:
1 TREE PER 50 LF AND 1 SHRUB PER 4 L.F. BETWEEN VEHICLE USE AREAS AND RIGHT OF WAY

SE 3RD STREET (320 LF.)

	REQUIRED	PROVIDED
TREES	= 7	7
SHRUBS	= 73	73

NE DESTINATION DRIVE (211 LF.)

	REQUIRED	PROVIDED
TREES	= 5	5
SHRUBS	= 48	48*

*(INCLUDING SURPLUS FROM 3RD BUFFER)

OPEN SPACE CALCULATION:

A. 2 TREES PER 1000 SF REQUIRED OPEN SPACE (50% 2 IN. CALIPER, 50% 1.5 IN. CALIPER AT 8' MINIMUM)

B. 2 SHRUBS PER 1000 SF REQUIRED OPEN SPACE

C. IN NO CASE SHALL THE ADDITIONAL PARKING OVER 25% OF THE MINIMUM REQUIRED BE PROVIDED WITHOUT PROVIDING ADDITIONAL OPEN SPACE WITHIN THE SITE, EQUAL TO OR GREATER THAN THE AREA OF PARKING AND ADJOINING CIRCULATION AREA IN EXCESS OF THE MINIMUM REQUIRED.

TOTAL SITE	=	78,363 SF (1.80 AC.)
OPEN SPACE REQUIRED	=	7,836 SF (10%)
ADDITIONAL REQUIRED	=	2,223 SF
OPEN SPACE PROVIDED	=	30,746 SF (39%)

OPEN SPACE 10,059 SF

	REQUIRED	PROVIDED
TREES	= 21	25
SHRUBS	= 21	237

PLANT SCHEDULE

DECIDUOUS TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
AG	7	Green Column Black Maple	Acer nigrum 'Greencolumn'	B&B, 2" CALIPER
GS	3	Skyline Honey Locust	Gleditsia triacanthos inermis 'Skyline'	B&B, 2" CALIPER
QM	4	Burr Oak	Quercus macrocarpa	B&B, 2" CALIPER
TC	3	Chancellor®Littleleaf Linden	Tilia cordata 'Chancole'	B&B, 2" CALIPER
EVERGREEN TREES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
PD	4	Black Hills White Spruce	Picea glauca 'Densata'	B&B, 6' HEIGHT
PS	4	White Pine	Pinus strobus	B&B, 6' HEIGHT
SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
AA	10	Autumn Magic Black Chokeberry	Aronia melanocarpa 'Autumn Magic'	3 GAL
AR	12	Rosy Lights Northern Lights Azalea	Azalea x 'Rosy Lights'	3 GAL
BW	4	Winter Gem Japanese Boxwood	Buxus microphylla japonica 'Winter Gem'	3 GAL
CCB	27	Bailey's Compact Cranberrybush	Viburnum trilobum 'Bailey Compact'	3 GAL
HQ	4	Oakleaf Hydrangea	Hydrangea quercifolia	3 GAL
JA	51	Arcadia Juniper	Juniperus sabina 'Arcadia'	3 GAL
JF	10	Sea Green Juniper	Juniperus chinensis 'Sea Green'	3 GAL
JM	7	Sea of Gold®Pfitzer Juniper	Juniperus x pfitzeriana 'Monsan'	3 GAL
RF	2	Alder Buckthorn	Rhamnus frangula	3 GAL
RG	12	Gro-Low Fragrant Sumac	Rhus aromatica 'Gro-Low'	3 GAL
SG	4	Goldflame Spirea	Spiraea x bumalda 'Goldflame'	3 GAL
SM	27	Dwarf Korean Lilac	Syringa meyeri 'Palibin'	3 GAL
TS	5	Sunburst Anglo-Japanese Yew	Taxus x media 'Sunburst'	3 GAL
GRASSES	QTY	COMMON NAME	BOTANICAL NAME	CONDITION AND SIZE
MS	44	Silver Feather Eulalia Grass	Miscanthus sinensis 'Silberfeder'	1 GAL
PB	18	Little Bunny Fountain Grass	Pennisetum alopecuroides 'Little Bunny'	1 GAL

N

SCALE
0' 10' 20' 40'

FILE: H:\2021\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KAILEE WOOD
DATE PLOTTED: 5/30/2023 4:50 PM
TECH:
COMMENT:
ENG:

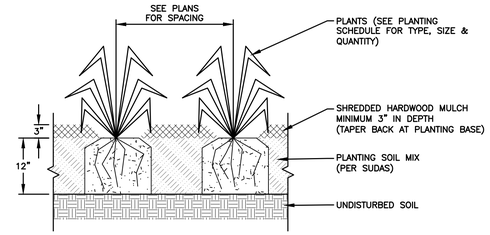
GA
4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410
CIVIL DESIGN ADVANTAGE
ENGINEER:
DRAFTED:

DATE	REVISIONS

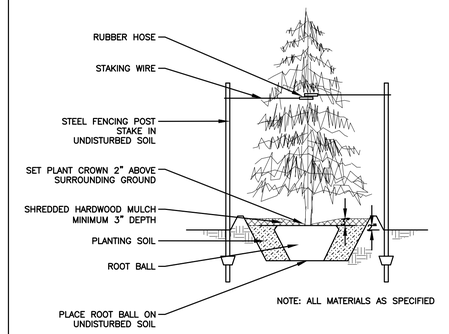
INSPIRING DANCE
LANDSCAPE PLAN
2340 SE 3RD STREET
GRIMES, IOWA

DATE:
05/30/2023

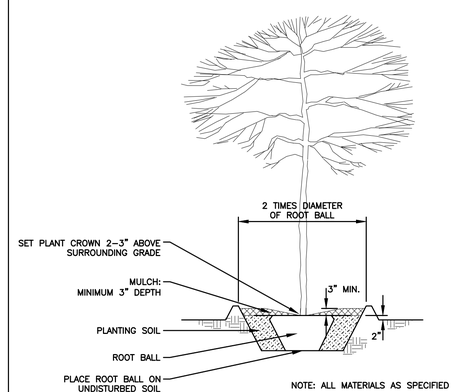
SHEET NUMBER:
L1.1
2211.789



3 SHRUB PLANTING
NOT TO SCALE



2 CONIFEROUS TREE PLANTING
NOT TO SCALE



1 DECIDUOUS TREE PLANTING
NOT TO SCALE

4121 NW URBANDALE DRIVE
URBANDALE, IA 50322
PHONE: (515) 369-4400 FAX: (515) 369-4410

DATE
REVISIONS
ENGINEER:
DRAFTED:

CIVIL DESIGN ADVANTAGE

GRIMES, IOWA

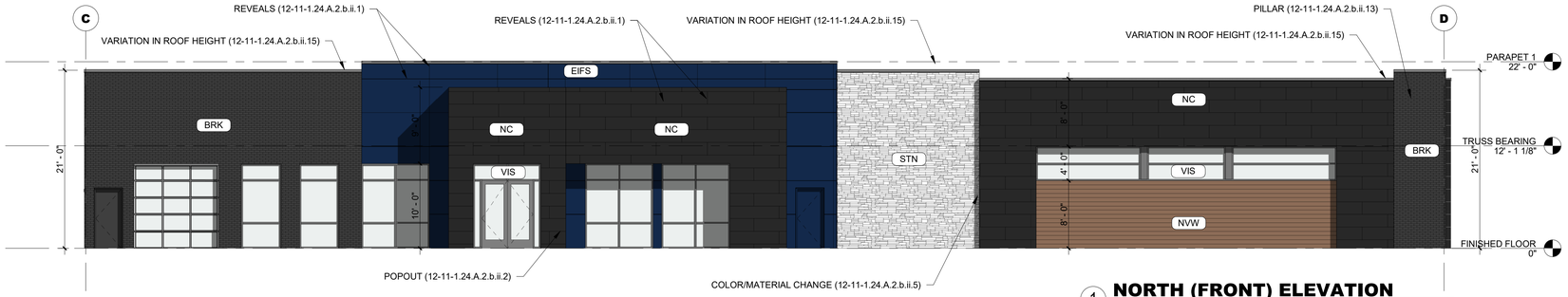
INSPIRING DANCE
LANDSCAPE DETAILS

2340 SE 3RD STREET

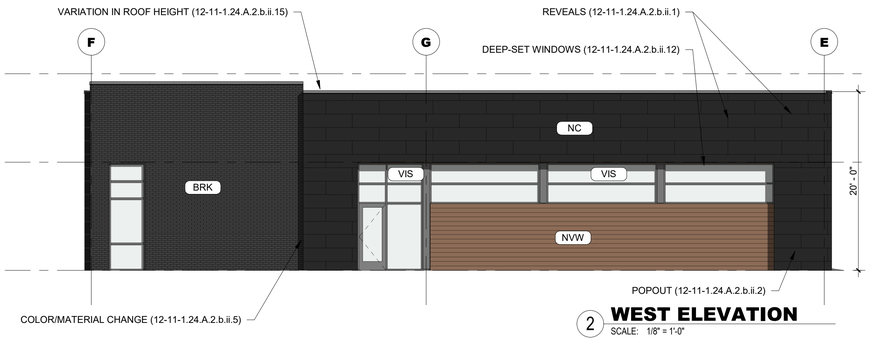
DATE:
05/30/2023

SHEET NUMBER:
L2.1
2211.789

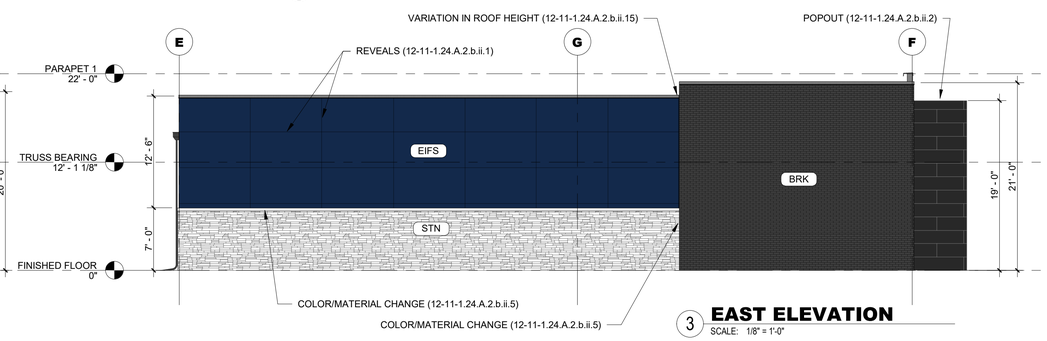
FILE: H:\2022\2211789\DWG\2211789-SITE.DWG
FILE DATE: 5/30/23
PLOTTED BY: KATIE HENKIS
DATE PLOTTED: 5/30/2023 4:50 PM
ITEM:
COMMENT:
DISC:



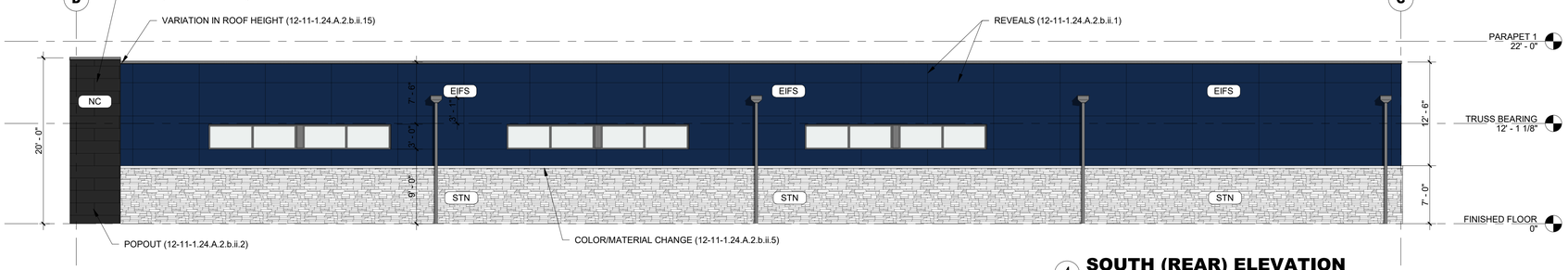
1 NORTH (FRONT) ELEVATION
SCALE: 1/8" = 1'-0"



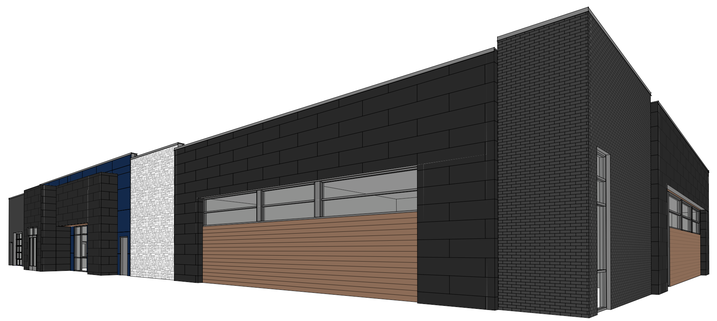
2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 EAST ELEVATION
SCALE: 1/8" = 1'-0"



4 SOUTH (REAR) ELEVATION
SCALE: 1/8" = 1'-0"



GENERAL EXTERIOR ELEVATION NOTES

1. REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
2. ALL CONDUIT RUNS & SERVICE LINES SHALL BE GROUPED TOGETHER IN A NEAT & ORDERLY MANNER AND SHOULD PENETRATE THE WALL AT THE LOWEST POINT AND ARE NOT TO RUN OVER THE TOP OF PARAPET. ALL OTHER CONDUITS & JUNCTION BOXES FOR EXTERIOR FIXTURES & EQUIPMENT SHALL BE FULLY CONCEALED WITHIN THE BUILDING CONSTRUCTION.
3. ALL HORIZONTAL TRANSITIONS BETWEEN DIFFERENT MATERIALS SHALL BE FLASHED CONTINUOUS FROM UP BEHIND UPPER MATERIAL AND EXTEND OVER TO EXTERIOR FACE OF LOWER MATERIAL WITH DRIP EDGE.
4. ANY RETURNS OR BLIND ELEVATIONS NOT SHOWN SHALL BE SIMILAR IN MATERIAL AND MAKEUP TO ADJACENT CONDITIONS OR OTHER SIMILAR CONDITIONS.
5. MATERIALS ABOVE CANOPIES & AWNINGS TO BE CONTINUED DOWN BEHIND THEM U.O.N., TYP.
6. ANY EXPOSED ROOFING MEMBRANE VISIBLE FROM A PUBLIC RIGHT AWAY MUST MATCH THE PRIMARY WALL MATERIAL COLOR.
7. INSTALL VERTICAL EXPANSION JOINTS PER STRUCTURAL OR MINIMAL AT COLUMN/GRID LINES AND AT THE HEAD OF DOOR JAMBS/OPENINGS OR AS OTHERWISE NOTED OR WHERE REQUIRED PER STANDARD MATERIAL PRACTICE TO REDUCE STRESS CRACKING. NO CONTROL JOINT/EXPANSION JOINT AT MAIN STRUCTURAL BEARING LOCATIONS. VERIFY JOINTS WITH ARCHITECT.
8. CAULK & SEAL ALL TRANSITION-CONTROL-EXPANSION AT ALL EXTERIOR MATERIALS.
9. PROVIDE CAST REGLETS JUST IN FROM THE OUTER EDGE ON UNDERSIDE OF FACE MATERIAL OR DRIP EDGE AT ALL OVERHANGS & SOFFITS.
10. INSULATE AND SEAL TO ENSURE ADEQUATE AIR INFILTRATION BARRIER AROUND ALL EXTERIOR PENETRATIONS TO PREVENT WATER AND SPRINKLER PIPE FREEZING.
11. WHERE EXTERIOR PAVING ADJACENT TO BUILDING, TOP OF PAVING TO BE 1/4" LOWER THAN INTERIOR FINISH FLOOR, SLOPING CONTINUOUSLY AWAY FROM BUILDING A MINIMUM OF 5'. WHERE DOOR STOOP, 48" OUT FROM DOOR 1:48(2%) MAX. SLOPE, AFTER 48" AWAY FROM DOOR 1:20(5%) MAXIMUM SLOPE TO PUBLIC WAY. (REFER TO CIVIL)
12. WHERE NO EXTERIOR PAVING ADJACENT TO BUILDING, TOP OF FINISHED LANDSCAPE A MINIMUM OF 4" BELOW INTERIOR FINISH FLOOR AND 4" BELOW EXTERIOR WALL FLASHING/WEEPS, SLOPING CONTINUOUSLY AWAY FROM BUILDING A MINIMUM OF 5'. (REFER TO CIVIL)
13. ADDRESS SHALL BE PROVIDED ON STREET SIDE OF BUILDING AND ON MONUMENT SIGN. NUMBERS A MINIMUM 5 INCH CONTRASTING COLOR NUMBERS WITH MINIMUM 1/2" STROKE.
14. IF ANY SIGNAGE OR SIGN BASE IS SHOWN IT IS FOR REFERENCE ONLY, FINAL DESIGNS AND/OR ALLOWANCES SHALL BE DETERMINED WITH APPROVED SIGNAGE PERMIT(S).

ACTUAL DETAILS & DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE. ALL DRAWINGS ARE SUBJECT TO AUTHORITY HAVING JURISDICTION APPROVAL. SIGNAGE SHOWN DOES NOT REPRESENT ALLOWABLE SIGNAGE PERMITTING/APPROVAL OF ALL SIGNAGE PER CURRENT CITY ORDINANCE BY OTHERS.

EXTERIOR MATERIAL LEGEND

MAT. LABEL	MATERIAL DESCRIPTION
BRK	THIN BRICK - COLOR CHARCOAL
EIFS	EIFS, STO OR EQUAL - COLOR NAVY
NC	NICHIHA CORBOSA - COLOR SHADOW
NVW	NICHIHA VINTAGE WOOD - COLOR CEDAR
STN	MANUFACTURED STONE - COLOR OFF WHITE
VIS	1" INSULATED VISION GLASS: CLEAR W/ LOW E COATING

MISC EXTERIOR MATERIAL FINISHES

TYPICAL U.O.N.
- EXPOSED CONCRETE: GRIND SMOOTH & RUB/COAT WITH CEMENT SLURRY.
- BOLLARDS: CONCRETE FILLED STEEL BOLLARDS PAINTED SAFETY YELLOW.
- EXPOSED LINTELS: GALVANIZED & PAINTED TO MATCH ADJACENT MATERIAL ABOVE.
- METAL STAIRS & RAILINGS: GALVANIZED & PAINTED TO MATCH ADJACENT MATERIAL.
- METAL BALCONIES & RAILINGS: GALVANIZED & PAINTED TO MATCH ADJACENT MATERIAL.
- FASCIA & SOFFIT: METAL PREFINISHED TO MATCH ADJACENT ROOF COLOR.
- SCUPPERS, GUTTERS & DOWNSPOUTS: METAL PREFINISHED TO MATCH ADJ. MATERIAL.
- CAULKS & SEALANTS: COLOR MATCHED TO ADJACENT MATERIAL.
- HOLLOW METAL MAN DOORS & FRAMES: PAINTED TO MATCH ADJACENT MATERIAL.
- OVERHEAD PANEL DOORS: METAL PRE-FINISHED TO MATCH ADJACENT MATERIAL.
- LOUVERS: METAL PRE-FINISHED TO MATCH ADJACENT MATERIAL COLOR.

- LIGHT FIXTURES: METAL PRE-FINISHED HOUSINGS TO MATCH ADJ. OPENING FRAMING.
- MECHANICAL EQUIPMENT: IF NOT SCREENED, COLOR TO MATCH ADJACENT MATERIAL.
- EXTERIOR UTILITY EQUIPMENT: IF ALLOWED, PAINTED TO MATCH ADJACENT MATERIAL.

- TRIM SIZES, TYP. U.O.N.:
  WINDOWS & DOORS 5-1/2"
  VERTICAL 5-1/2"
  HORIZONTAL 9-1/4"

EXTERIOR MATERIAL CALCULATIONS

FRONT (NORTH) - TOTAL SQFT = 3377 SF
GLAZING - 664 SF = 20%
PRIMARY - 2283 SF = 67% (EXCLUDING GLAZING = 84%)
NON PRIMARY - 430 SF = 13%

SIDE (WEST) - TOTAL SQFT = 1659 SF
GLAZING - 332 SF = 20%
PRIMARY - 1327 SF = 80% (EXCLUDING GLAZING = 100%)
NON PRIMARY - 0 SF = 0%

SIDE (EAST) - TOTAL SQFT = 1644 SF
GLAZING - 0 SF = 0%
PRIMARY - 944 SF = 57%
NON PRIMARY - 700 SF = 43%

REAR (SOUTH) - TOTAL SQFT = 3141 SF
GLAZING - 198 SF = 6%
PRIMARY - 1206 SF = 38%
NON PRIMARY - 1737 SF = 56%

PRIMARY TOTAL MATERIAL PERCENTAGE = 60% (EXCLUDING GLAZING = 68%)

SIMONSON
PLANNING ▪ ARCHITECTURE ▪ INTERIORS
Simonson + Associates Architects LLC
1717 Ingersoll Ave. Suite 117, Des Moines, Iowa 50309
Ph. 515-440-5626
www.simonsonassoc.com

This drawing has been prepared by the Architect, or under the Architect's direct supervision. This drawing is provided as an instrument of service by the Architect and is intended for use on this project only. Any reproduction, use, or disclosure of this drawing in whole or in part without the prior written consent of the Architect is prohibited by law. © Copyright 2023 by Simonson & Associates Architects, LLC.

INSPIRING DANCE
SE DESTINATION DRIVE & SE 3RD STREET
GRIMES, IOWA

NOT FOR CONSTRUCTION

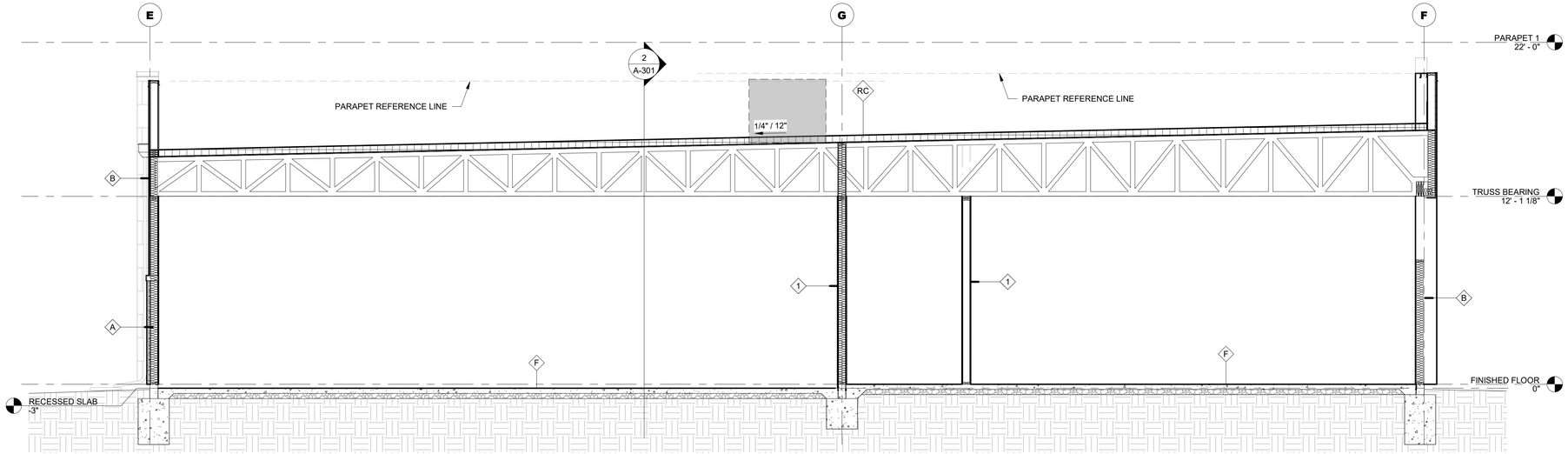
Rev. #	Issue / Revision	Date
1	Issued For PRS/MC	04-24-2023
2	2nd Site Plan Submittal	05-30-2023

Proj. No. 22128 | SAA | Proj. Mgr. SP

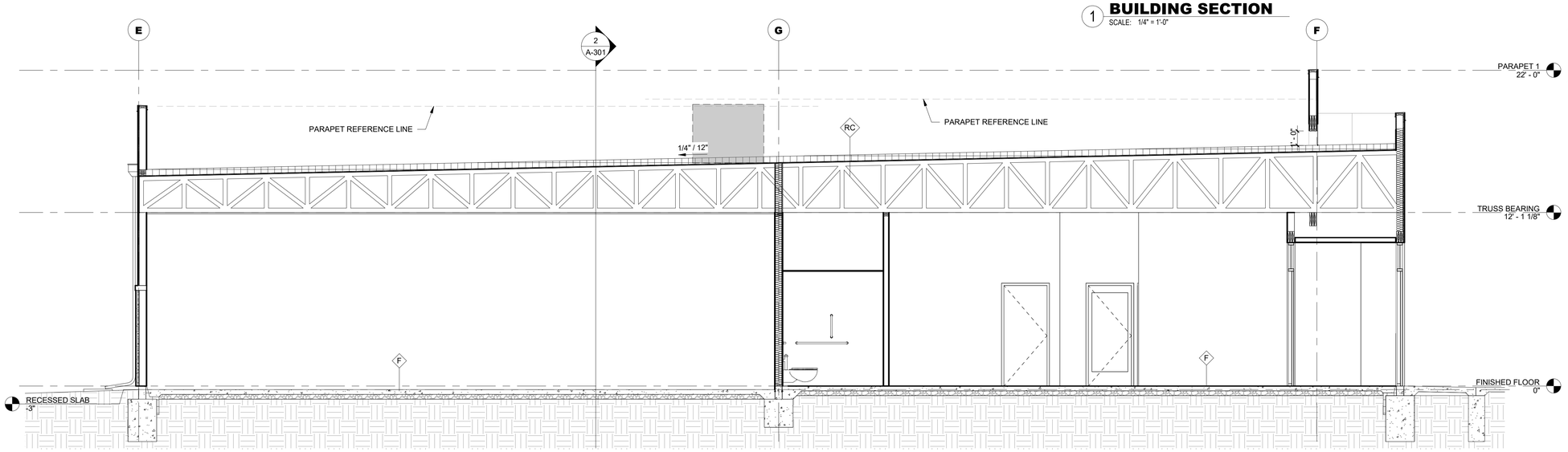
Sheet Title
EXTERIOR ELEVATIONS

Sheet No.
A-201

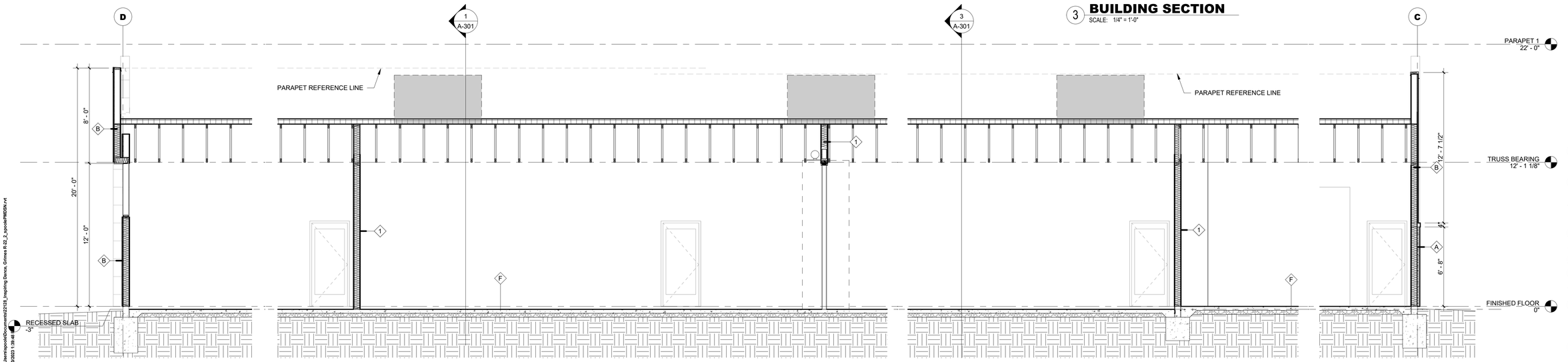
C:\Users\spoon\Documents\22128_Inspiring Dance, Grimes R-22_2_spoon_PMDSN.rvt
5/30/2023 1:39:48 PM



1 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



3 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



2 **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

GENERAL SECTION NOTES

1. REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS AND OTHER DISCIPLINES DOCUMENTS.
2. REFER TO ALL NOTES ON ALL SECTIONS & DETAILS AND ALL SECTION SHEETS & DETAIL SHEETS FOR STANDARD TYPICAL CONDITIONS & SPECS THAT MAY RELATE TO ALL SECTIONS & DETAILS. VERIFY WITH ARCHITECT ANY CONDITIONS NOT NOTED OR CONTRADICTIONS PRIOR TO COMMENCEMENT OF WORK.
3. ALL HORIZONTAL TRANSITIONS BETWEEN DIFFERENT MATERIALS SHALL BE FLASHED CONTINUOUS FROM UP BEHIND TO UNDER UPPER MATERIAL AND EXTEND OVER TO EXTERIOR FACE OF LOWER MATERIAL. SOFT JOINTS REQUIRED BETWEEN DISSIMILAR MATERIALS.
4. INSTALL VERTICAL EXPANSION JOINT MINIMAL AT COLUMN/GRID LINES AND AT THE HEAD OF DOOR JAMBS/OPENINGS OR AS OTHERWISE NOTED OR WHERE REQUIRED PER STANDARD MATERIAL PRACTICE TO REDUCE STRESS CRACKING. NO CONTROL JOINT/EXPANSION JOINT NEAR MAIN LOAD BEARING AREAS, KEEP AWAY 2'-6" MIN.
5. CAULK & SEAL ALL TRANSITION-CONTROL-EXPANSION AT ALL EXTERIOR MATERIALS. ALL SEALANTS SHOULD BE COLOR-MATCHED TO ADJACENT MATERIAL.
6. INSULATE AND SEAL TO ENSURE ADEQUATE AIR INFILTRATION BARRIER AROUND ALL EXTERIOR PENETRATIONS TO PREVENT WATER AND SPRINKLER PIPE FREEZING.
7. INSTALL ALL RECOMMENDED & REQUIRED FLASHING AND SEALANTS PER MANUFACTURER DETAIL CONNECTIONS IN ORDER TO PREVENT WATER & MOISTURE INFILTRATION THROUGHOUT.
8. ALL METAL & STEEL EXPOSED TO EXTERIOR OR MOISTURE SHALL BE PRE-FINISHED OR GALVANIZED RESPECTIVELY, U.O.N.
9. ALL WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT REST ON THE EXTERIOR FOUNDATION WALLS AND ARE LESS THAN 8" FROM EXPOSED EARTH AND ALL WOOD IN DIRECT CONTACT WITH MASONRY, CONCRETE, EARTH OR MATERIAL THAT RETAINS MOISTURE SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
10. PROVIDE PREFERABLY CAST REGLETS JUST IN FROM THE OUTER EDGE ON UNDERSIDE OF FACE MATERIAL AT OVERHANGS & SOFFITS.
11. PLYWOOD AT ALL POTENTIAL SIGNAGE AREAS, FIRE-RATED WHERE REQUIRED.
12. WHERE EXTERIOR PAVING ADJACENT TO BUILDING, TOP OF PAVING TO BE 1/4" LOWER THAN INTERIOR FINISH FLOOR, SLOPING CONTINUOUSLY AWAY FROM BUILDING A MINIMUM OF 5'. WHERE DOOR STOOP, 48" OUT FROM DOOR 1:48(2%) MAX. SLOPE, AFTER 48" AWAY FROM DOOR 1:20(5%) MAXIMUM SLOPE TO PUBLIC WAY. (REFER TO CIVIL)
13. WHERE NO EXTERIOR PAVING ADJACENT TO BUILDING, TOP OF FINISHED LANDSCAPE A MINIMUM OF 4" BELOW INTERIOR FINISH FLOOR AND 4" BELOW EXTERIOR WALL FLASHING/WEEPS, SLOPING CONTINUOUSLY AWAY FROM BUILDING A MINIMUM OF 5'. (REFER TO CIVIL)

NOT FOR CONSTRUCTION

SIMONSON
PLANNING ▪ ARCHITECTURE ▪ INTERIORS
Simonson + Associates Architects LLC
1717 Ingersoll Ave. Suite 117, Des Moines, Iowa 50309
Ph. 515-440-5626
www.simonsonassoc.com

This drawing has been prepared by the Architect, or under the Architect's direct supervision. This drawing is provided as an instrument of service by the Architect and is not intended for use on this project only. Any reproduction, use, or disclosure of this drawing in whole or in parts without the prior written consent of the Architect is prohibited by law. (C) Copyright 2023 by Simonson & Associates Architects, LLC.

INSPIRING DANCE

SE DESTINATION DRIVE & SE 3RD STREET
GRIMES, IOWA

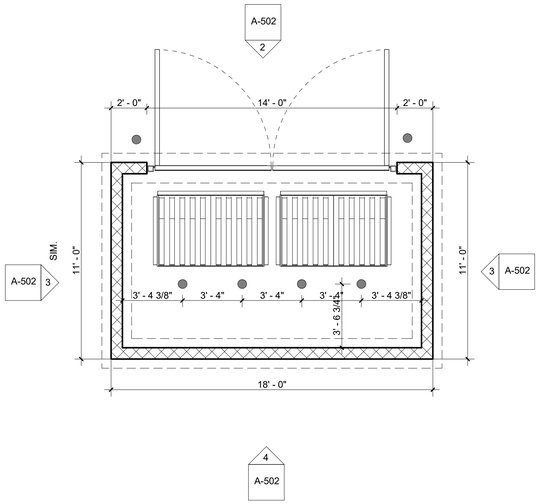
Rev. #	Issue / Revision	Date
1	Issued For PRELIMS	04-24-2023
2	2nd Site Plan Submittal	05-30-2023

Proj. No. 22128 | SAA | Proj. Mgr. SP

Sheet Title
BUILDING SECTIONS

Sheet No.
A-301

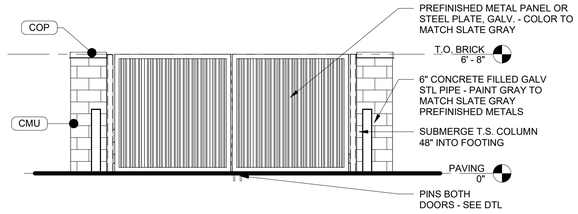
C:\Users\spooler\Documents\22128_Inspiring Dance, Grimes IA-22_2_spooler.rvt
5/30/2023 1:39:47 PM



1 TRASH ENCLOSURE PLAN

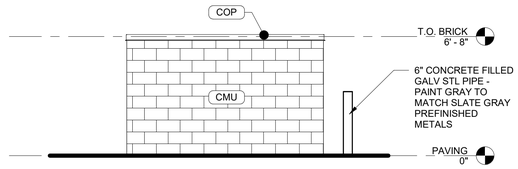
SCALE: 1/4" = 1'-0"

NORTH



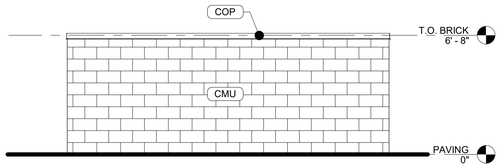
2 TRASH ENCLOSURE FRONT ELEVATION

SCALE: 1/4" = 1'-0"



3 TRASH ENCLOSURE SIDE ELEVATION

SCALE: 1/4" = 1'-0"



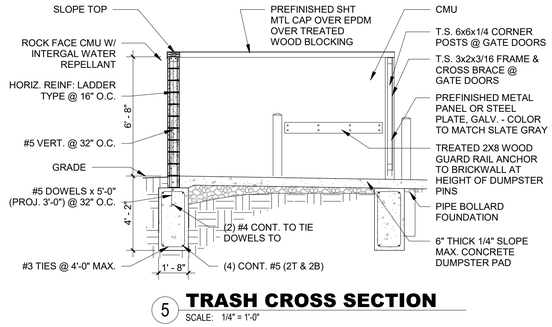
4 TRASH ELNCOSURE BACK ELEVATION

SCALE: 1/4" = 1'-0"

GENERAL DETAIL NOTES:

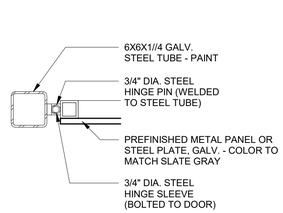
1. REFER TO ADDITIONAL NOTES & REQUIREMENTS ON ALL OTHER DOCUMENTS & OTHER DISCIPLINES DOCUMENTS.
2. ALL HORIZONTAL TRANSITIONS BETWEEN DIFFERENT MATERIALS SHALL BE FLASHED CONTINUOUS FROM UP BEHIND TO UNDER UPPER MATERIAL & EXTEND OVER TO EXTERIOR FACE OF LOWER MATERIAL. SOFT JOINTS REQUIRED BETWEEN DISSIMILAR MATERIALS.
3. INSTALL VERTICAL EXPANSION JOINTS MINIMAL AT COLUMN/GRID LINE AND & AT THE HEAD OF DOOR JAMBS/OPENING OR AS OTHERWISE NOTED OR WHERE REQUIRED PER STANDARD MATERIAL PRACTICES TO REDUCE STRESS CRACKING. NO CONTROL JOINTS/ EXPANSION JOINTS AT MAIN STRUCTURAL BEARING, KEEP AWAY 2'-6" MIN.
4. CAULK & SEAL ALL TRANSITION-CONTROL-EXPANSION AT ALL EXTERIOR MATERIALS. ALL SEALANTS SHOULD BE COLOR-MATCHED TO ADJACENT MATERIAL.
5. INSULATE AND SEAL TO ENSURE ADEQUATE AIR INFILTRATION BARRIER AROUND ALL EXTERIOR PENETRATIONS TO PREVENT WATER AND SPRINKLER PIPE FREEZING.
6. ALL METAL EXPOSED TO EXTERIOR OR EXPOSED TO MOISTURE SHALL BE GALVANIZED
7. STAINLESS STEEL CLIPS ARE REQUIRED FOR ANY MASONRY LARGER THAN 8x16 FACE SIZE

EXTERIOR MATERIAL LEGEND	
MAT. LABEL	MATERIAL DESCRIPTIOIN
CMU	8"x8"x16" ROCK FACE CMU, KINGS MATERIAL INC. ROCKFACE - SHADOW, VERTICAL JOINTS STAGGERED, GROUTED & REINFORCED CELLS (REFER TO STRUCTURAL FOR REINFORCEMENT)
COP	PREFINISHED ALUMINUM COPING: SLATE GRAY



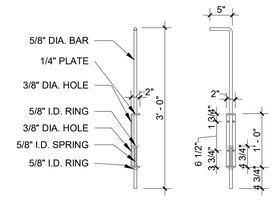
5 TRASH CROSS SECTION

SCALE: 1/4" = 1'-0"



6 TRASH HINGE

SCALE: 1 1/2" = 1'-0"



7 TRASH PIN

SCALE: 3/4" = 1'-0"

SIMONSON
PLANNING ▪ ARCHITECTURE ▪ INTERIORS
Simonson + Associates Architects LLC
1717 Ingersoll Ave. Suite 117, Des Moines, Iowa 50309
Ph. 515-440-5626
www.simonsonassoc.com

This drawing has been prepared by the Architect, or under the Architect's direct supervision. This drawing is provided as an instrument of service by the Architect and is not intended for use on this project only. Any reproduction, use, or disclosure of this drawing without the prior written consent of the Architect constitutes a violation of the Architect's rights. (C) Copyright 2023 by Simonson & Associates Architects, LLC.

INSPIRING DANCE

SE DESTINATION DRIVE & SE 3RD STREET
GRIMES, IA

Rev. #	Issue / Revision	Date
1	2nd Site Plan Submittal	05-30-2023

Proj. No. 22128 | SAA | Proj. Mgr.

Sheet Title

TRASH ENCLOSURE

Sheet No.

A-502

J:\2022\22128 Inspiring Dance, Grimes, IA\CAD-Arch\22128_Inspiring Dance, Grimes R-22_Trash Enclosure.rvt
5/30/2023 1:41:08 PM