

1. Agenda

Documents:

[061422 CC USE USE UPDATED AGENDA.PDF](#)

2. Meeting Materials

Documents:

[061422 CC PACKET UPDATED CONDENSED.PDF](#)

Grimes City Council Agenda

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

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

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.

Grimes City Council Meeting June 14, 2022 at 5:30 pm 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 14, 2022 AT 5:30 PM AT GRIMES COMMUNITY CENTER

1. Call to Order
Pledge of Allegiance
2. Roll Call
3. Approval of the Agenda
4. 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. Minutes from previous meeting
 - B. Resolution 06-0622 Approving Tobacco Renewals for 2022-2023

- C. ABD Renewal: Walmart #5748: 2150 E. 1st Street: Ownership Update, Class E Liquor, Class B Wine, Class C Beer, and Sunday Sales
- D. Resolution 06-0722 Approving Agreement Regarding Trail and Sidewalk Construction between Platinum Development and the City of Grimes – 3600 SE Miehle Drive
- E. Resolution 06-0822 Approving Consent and Agreement for Improvements Lot 15 of Glenstone Trail Plat 7 – 3105 SE Keystone Drive
- F. Resolution 06-0922 Approving Consent and Agreement for Improvements Lot 48 of Brentwood Estates – 2940 NE Brentwood Circle
- G. Resolution 06-1022 Approving Consent and Agreement for 1409 NW Sunset – Lot 54 of Beaverbrooke West Plat Nine
- H. Resolution 06-1822 Approving Consent and Agreement for 1704 NW 8th Street – Lot 28 of Autumn Park West Plat 1
- I. Resolution 06-1922 Approving Consent and Agreement for Improvements 1700 NW 8th Street – Lot 27 of Autumn Park West Plat 1
- J. Resolution 06-2022 Approving Consent and Agreement for Improvements 1709 NW Sunset Lane – Lot 111 Beaverbrooke West Plat Nine
- K. Resolution 06-1122 Approving Professional Services Agreement with Grant Impact7G Regarding Grant Research and Writing Services
- L. Resolution 06-1222 Offer to Purchase Easements for WRA Connector – Mansheim Property
- M. Resolution 06-1322 Approving Personnel Transactions for Full Time Personnel
- N. Resolution 06-1422 Approving Personnel Transactions for Public Works Seasonal and Park and Recreation Personnel
- O. Resolution 06-1522 Approving Personnel Transactions for Part-Time Wages for Fire Department Personnel
- P. Resolution 06-1622 Approving Offer to Purchase and Agreement – Jacob Reconstruction and Storm Sewer Project Risius Property
- Q. Filing and Receiving of Reports
- R. Engineering Services Amendment #1 Foth Infrastructure and Environment, LLC for 2021 Sanitary Sewer Collection System Study in Grimes, Iowa \$20,000.00
- S. Engineering Services Amendment #1 MSA Professional Services, Inc for Trail Ridge Water Main Construction Services not to exceed \$30,345.00
- T. Engineering Services Amendment #1 MSA Professional Services, Inc for Jacob Street Reconstruction Services not to exceed \$113,190.00
- U. Resolution 06-1722 Approving Bills and Quotes Over \$10,000
- V. Professional Services Payments:
 - 1. Payment #42 Veenstra & Kimm, Inc for WRA Connector \$39,108.44
 - 2. Payment #11 MSA Professional Services, Inc for SE Jacob Street and SE Trail Ridge Road Water Main Design and Bidding Services \$4,277.80
 - 3. Payment #10 MSA Professional Services, Inc for North Sports Complex Parking Lot Improvements \$416.90
 - 4. Payment #2 MSA Professional Services, Inc for SE Trail Ridge Road Water Main \$10,030.00
 - 5. Payment #2 MSA Professional Services, Inc. for SE Jacob Street Reconstruction and Storm Sewer \$7,000.00
 - 6. Pay Request #28 Bolton & Menk, Inc. for Highway 44 & SW County Line Road Intersection Improvements \$3,309.00
 - 7. Whitfield & Eddy Law \$45,317.86
 - 8. Nilles Associates – MS4 Permit Management and Owner's SWPPP Inspection Services \$15,625.00

W. Pay Requests:

1. Pay Request#28 Shank Constructors, Inc for Reverse Osmosis Water Treatment Plant – Phase 1 \$136,613.80
2. Pay Request #3 Shank Constructors, Inc. for WRA Grimes Connector – Contract 4 \$635,744.26
3. Pay Request #2 Redbud Landscaping, LLC for Kennybrook Wetland (Landscaping) \$13,389.30
4. Pay Request #1 InRoads for 2022 Asphalt Overlay Project \$269,098.41
5. Pay Request #4 (Retainage) Elder Corporation for Iowa Hwy 141 SB & Iowa Hwy 44 Traffic Signal and Turn Lane Improvements \$8,236.51
6. Pay Request #19 (Retainage) CB&I, LLC for New 1.5 MG Elevated Water Storage Tank \$74,167.75

X. Change Orders:

1. Change Order #1 InRoads for 2022 Asphalt Overlay Project increasing contract \$25,373.90
2. Change Order #1 Redbud Landscaping, LLC for Kennybrook Wetland (Landscaping) increasing contract \$1,771.00

Y. Claims Report

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. Second Reading of Ordinance 766 Deleting Property from A Tax Increment Financing District for the Grimes Urban Renewal Area of the City of Grimes, Iowa, Pursuant to Section 403.19 of the Code of Iowa
2. Second Reading of Ordinance 763 Rezoning of Property Generally Located East of Highway 141 and South of NE Beaverbrook Blvd from A-1 Agricultural District to R-4 Planned Residential Development District and R-3 Medium Density Two or More Family Dwelling District and Development Agreement – Fagen Property
3. Second Reading of Ordinance 764 Rezoning of Property Generally Located at the Northwest Corner of SE 37th Street and South James Street from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District – Herndon Property
4. Second Reading of Ordinance 765 Amending Grimes Code of Ordinance Title 9 With Regard to Regulation of Wastewater Sewer Usage by Deleting Current Section 9-1 In Its Entirety, and Adopting New Uniform Wastewater Sewer Regulations Consistent with Grimes WRA Agreement
5. Waterworks Park Improvements
 - a. Resolution 06-0122 Adopting Plans, Specifications, Form of Contract and Estimate of Cost for the Waterworks Park Improvements
 - b. Resolution 06-0222 Making Award of Construction Contract for Waterworks Park Improvements
 - c. Resolution 06-0322 Authorizing Construction Contract and Bond for Waterworks Park Improvements

6. Waterworks Park Splash Pad- Site Plan
7. Resolution 06-2122 To Accept Bid and Enter into Clean UP and Salvage Services Contract with Blue Sky
8. Resolution 06-0422 Accepting the Iowa Highway 141 SB & Iowa Highway 44 Traffic Signal and Turn Lane Improvements
9. New 1.5 Elevated Water Storage Tank
 - a. Resolution 06-0522 Accepting the New 1.5 MG Elevated Water Storage Tank
 - b. Statement of Final Completion of New 1.5 MG Elevated Water Storage Tank

ADJOURNMENT

CITY COUNCIL MEETING
Tuesday, May 24, 2022

*Please note the regular City Council Meeting was held as an electronic and in person meeting. The meeting was called to order by Mayor Mikkelsen Tuesday May 24, 2022 at 5:34 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, Council Members: Eric Johansen, David Gisch, Andrew Borcharding, Ryan Burger, Laurie DePhillips

AGENDA ITEMS

APPROVAL OF THE AGENDA

Mayor Mikkelsen asked for approval of the agenda.

Moved by Borcharding, Second by Johansen, approving the agenda.

Roll Call: Ayes: All. Nays: None. Motion passes: 5 to 0.

CONSENT AGENDA

A. Minutes from previous meetings B. Resolution 05-0122 Authorizing Entering into A Consent Order with DNR Regarding the Grimes Waste Water Treatment Plant C. Request for Street Closures 1. Request for Street Closures along NW Morningside Drive for Block Party 2. Request for Street Closure NW 3rd Court for Block Party D. ABD License Renewals: a. Aldi: 2055 E. 1st Street: Class B Wine, Class C. Beer, & Sunday Sales b. Kum & Go: 1880 SE Princeton: Class E Liquor, Class C Beer, Class B Wine & Sunday Sales c. Kum & Go: 801 N. 1st St.: Class E Liquor, Class C Beer, Class B Wine & Sunday Sales E. Resolution 05-3022 Approving Purchase Agreement – 309 East 1st Street F. Resolution 05-3122 Approving Consent and Agreement for Improvements Within Overland Flowage Easement for Lot 58 in Brentwood Estates – 2901 NE Cherry Court G. Resolution 05-3222 Consent and Agreement for Improvements for Lot 37 of Heritage at Grimes Plat 3 – 705 NE 21st Street H. Resolution 05-2922 Approving Consent for Improvements for Lot 19 in Brooke Ridge Plat 1 2411 NW Springbrooke Dr. I. Resolution 05-4822 Approving Consent for Improvements for Lot 20, Autumn Park West Plat 1 - 1712 NW 8th St. J. Resolution 05-3322 Approving Entering into an Agreement with the Iowa Department of Transportation with Regard to RISE Grant K. Resolution 05-3522 Approving Employee Handbook Update L. Resolution 05-4422 To Extend the Contract for On-Call Electrical Services with Kline Electric M. Resolution 05-4522 Authorizing the Placement of a Stop Sign on Westbound NE 27th Street at James Street N. Resolution 05-4622 Approving Quotes and Bills Over \$10,000. O. Pay Requests: 1. Pay Request 1 Graphite Construction Group for the New Grimes Library \$55,408.86 2. Pay Request 2 Ideal Floors for the New Grimes Library \$11,946.25 3. Pay Request #2 Van Maanen for the New Grimes Library \$10,974.72 4. Pay Request #2 AMC Mechanical for the New Grimes Library \$60,667.95 5. Pay Request #5 to RD McKinney Plumbing and Excavating, Inc for the Grimes Water Main Improvement (ASR to Standpipe) retainage payment \$4,000.00 6. Pay Request #6 to Synergy Contracting, LLC for the SE Jacob Street Water Main \$9,572.53 P. Change Orders: 1. Change Order # 6 to Synergy Contracting, LLC for the SE Jacob Street Water Main increasing contract \$6,681.00

Q. Professional Services Pay Requests: 1. Pay Request #3 to Weitz Company, LLC for the New Grimes Library \$10,701.05 2. Pay Request #1 to Civil Design Advantage for the Grimes Plex \$12,171.27

3. Pay Request #11 to Foth Infrastructure & Environment, LLC for the James Street Corridor Study North 27th Street to South 37th Street \$997.00 R. Resolution 05-4922 Accepting the Grimes Water Main Improvement Project (ASR to Standpipe) S. Resolution 05-5022 Professional Services Agreement for Sports Facilities Development T. Resolution 05-5222 Agreeing to Settlement of Benefit Claim U. Resolution 05-5322 To Approve The Installation of Power Feeds At The South Sports Complex for Community Events V. Resolution 05-5422 Approving A Public Art and Culture Plan W. Filing and Receiving of Correspondence and Reports X. Finance Report for April 2022 Y. Claims Report \$869,316.92

Motion by Borcharding, Second by DePhillips, to approve the Consent Agenda.

Roll Call: Ayes: All; Nays: None Motion passes 5 - 0

PUBLIC FORUM

Nancy Baker Curtis, 513 SE 14th Street, Grimes addressed the Council thanking them for their proactive stance in providing equitable access to Grimes residents with disabilities.

PUBLIC AND COUNCIL AGENDA ITEMS

A. Waterworks Park Improvements

Development Services Director Alex Pfaltzgraff address the Council regarding the project. He advised that two bids were received. Pfaltzgraff added that both base bids were over the engineer's estimate. He added that the low bid was from Edge Commercial in the amount of (base bid) \$3,150,557.14, Alternates A, B and C bring the total to \$3,731,765.39. Pfaltzgraff stated that funding could come from park improvement funds, splash pad CIP, enterprise accounts, LOSST cash and fund raising. He suggested to delay making a decision and to get a recommendation from the Parks and Recreation Board on funding the gap with utilizing park improvement funds.

1. Public Hearing on Waterworks Park Improvements

Mayor Mikkelsen opened the Public Hearing at 5:47 pm. There being no oral or written comments the Public Hearing was closed at 5:47 pm.

(The following actions were delayed)

2. Resolution 05-3622 Adopting Plans, Specifications, Form of Contract and Estimate of Cost for the Waterworks Park Improvements

3. Resolution 05-3722 Making Award of Construction Contract for Waterworks Park Improvements

4. Resolution 05-3822 Authorizing Construction Contract and Bond for Waterworks Park Improvements

B. Third Reading on Ordinance 761 Amending Grimes Section 9-5-2 (1) With Regard to Water Service Rates, Section 9-10.4 (2) With Regard to Sewer Service Rates, Section 9-15-6 (1B) For Collection of Recyclable Materials and Section 9-13-9 (1) Solid Waste.

Finance Director Marcia Woodke said there will be a 5-year rate increase for sewer services at 7 ½ % for each year effective on the first billing in August. Woodke said this is a reduction from the previous year's rate recommendation of 15%. She added this will be an increase of .57 cents on the base usage rate. Woodke said for water rates, the increase is 2 ½ % for each of the 5 years, which is a reduction from the prior year's recommendation of 12%. Woodke said this increase will equal .26 cents per each 1,000 gallons. She advised the Council there is no proposed increase for stormwater charges at this time. Woodke stated that for solid waste the input costs have increased to 15.05 per resident for the combined solid waste and recycling due to the Metro Waste recent request for proposals. Woodke stated the ordinance would increase recycling to meet the cities cost of 4.32, and an increase for solid

waste to \$9.59 for the first container, and \$10.73 for the second container per resident. Woodke said the combined bill for residents with single cans will be \$13.91 with the city still subsidizing the utility at the current level. Woodke stated that for the whole comparison, the monthly increase for combined bill on an average residence using 4,000 gallons will be \$6.53 a month.

Motion by Gisch, Second by DePhillips, to approve the Second Reading of Ordinance 761 amending Grimes Section 9-5-2 (1) With Regard to Water Service Rates, Section 9-10.4 (2) With Regard to Sewer Service Rates, Section 9-15-6 (1B) For Collection of Recyclable Materials and Section 9-13-9 (1) Solid Waste.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

Moved by Gisch, Seconded by DePhillips to approve final passage of Ordinance 761.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

C. Third Reading of Ordinance 762 Proposed Rezoning of Property Generally Located at the Northwest Corner of SE 28th Street and Highway 141 from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District for Rezone – generally referred to as MKEDS

Development Services Director Pfaltzgraff stated that this rezone would allow for three lots to be zoned M-1A Commercial and Limited Light Industrial District. He advised that this project would include the completion of Gateway Drive. Pfaltzgraff said the Planning and Zoning Board had reviewed the plans and recommended approval along with staff.

Motion by Johansen, Second by Borcharding, to approve the Third Reading of Ordinance 762.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

Moved by Johansen, Seconded by Borcharding to approve final passage of Ordinance 762.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

D. Proposed Rezoning of Property Generally Located East of Highway 141 and South of NE Beaverbrooke Blvd from A-1 Agricultural District to R-4 Planned Residential Development District and R-3 Medium Density Two or More Family Dwelling District – Fagen Property

Development Services Director Alex Pfaltzgraff advised that the applicant is requesting approval of a rezone from A-1 to R-4 and R-3 Medium for approximately 31.64 acres generally located east of Highway 141 and south of NE Beaverbrooke Blvd. The R-4 zoning will allow for commercial and high density residential where the R-3 Medium will allow for medium density residential.

1. Public Hearing on Proposed Rezoning of Property Generally Located East of Highway 141 and South of NE Beaverbrook Blvd from A-1 Agricultural District to R-4 Planned Residential Development District and R-3 Medium Density Two or More Family Dwelling District – Fagen Property

Mayor Mikkelsen opened the Public Hearing at 5:57 pm. There being no oral or written comments the hearing was closed at 5:57 pm.

2. First Reading of Ordinance 763 Rezoning of Property Generally Located East of Highway 141 and South of NE Beaverbrook Blvd from A-1 Agricultural District to R-4 Planned Residential Development District and R-3 Medium Density Two or More Family Dwelling District – Fagen Property

Moved by Johansen, Seconded by Borcharding the First Reading of Ordinance 763 Rezoning of Property Generally Located East of Highway 141 and South of NE Beaverbrook Blvd from A-1 Agricultural District to R-4 Planned Residential Development.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

E. Resolution 05-3922 Authorizing Development Agreement Negotiation – NE Beaverbrooke/NE Destination Extension

Development Services Director Alex Pfaltzgraff advised that the City of Grimes was approached by Signature Real Estate regarding the development of 30 acres of property located east of Hwy 141 near the Beaverbrook Blvd intersection. He added the proposal is to construct a mixed-use development consisting of townhomes, multi-family residential and commercial retail/office space. Pfaltzgraff added it also calls for the extension of NE Beaverbrooke Blvd and NE Destination Drive. He stated that due to the anticipated infrastructure needs associated with the improvements Signature Real Estate has request assistance in the form of a Tax Increment Financing rebate.

Moved by Johansen, Seconded by Borcharding, Resolution 05-3922 Authorizing a Development Agreement Negotiation for NE Beaverbrooke/NE Destination Extension; shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

F. Proposed Rezoning of Property Generally Located at the Northwest corner of SE 37th Street and South James Street from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District – Herndon Property

Development Services Director Alex Pfaltzgraff advised the applicant is requesting approval of a rezoning from A-1 to M-1A for approximately 77.52 acres located northwest of the corner of SE 37th Street and South James Street. He added this rezone will allow for commercial and light industrial uses and is consistent with the Business Park Land Use designation in the Future Land Use Plan. Pfaltzgraff advised the buildings would be similar in look to the Legacy Development. He added the Planning and Zoning approved the request for rezone along with staff.

1.Public Hearing on Proposed Rezoning of Property Generally Located at the Northwest Corner of SE 37th Street and South James Street from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District – Herndon Property

Mayor Mikkelsen opened the Public Hearing at 6:10 pm. There being no oral or written comments the Public Hearing was closed at 6:10 pm.

1.First Reading of Ordinance 764 Rezoning of Property Generally Located at the Northwest Corner of SE 37th Street and South James Street from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District – Herndon Property

Moved by Gisch, Seconded by Johansen the First Reading of Ordinance 764 rezoning of property generally located at the northwest corner of SE 37th Street and South James Street from A-1 Agricultural District to M-1A Commercial and Limited Light Industrial District – Herndon Property; shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

G. City of Grimes Budget Amendments for Fiscal Year 2021-22

Finance Director, Marcia Woodke reviewed with the Council the budget amendment. She stated that the city received a donation to the skatepark and is utilizing the fund for a previously unbudgeted project, and is receiving more funding for GEMT reimbursement, requiring more expenditure to pay the State share. She added the city paid for additional warning sirens approved in the prior fiscal year which were not included in this budget. Woodke advised there was additional expense for the communications manager hired mid-year and increased property/casualty insurance for the year. She stated the city receipted additional enterprise revenue and realized some additional expense for sales tax, locating fees, deposit refunds and two delayed invoices from the prior year for solid waste. Woodke stated the amendment was in the amount of \$1,214,673.00.

1.Public Hearing on Grimes Budget Amendments for Fiscal Year 2021-22

Mayor Mikkelsen opened the Public Hearing at 6:12 pm. There being no oral or written comments the Public Hearing was closed at 6:13 pm.

2.Resolution 05-2122 Approving the City of Grimes Budget Amendment for Fiscal Year 2021-22

Moved by Gisch, Seconded by Burger, Resolution 05-2122 Approving the City of Grimes Budget Amendment for Fiscal Year 2021-22.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

H. Rocket Car Wash Site Plan

Development Services Director Alex Pfaltzgraff stated the applicant is requesting approval of a site plan to build a car wash at 200 NE Destination Drive. He advised that the site is located within the C-2 Zoning District and Zone 2 of the Highway 141 Mixed Use Development Corridor District. Pfaltzgraff added that Planning and Zoning approved the site plan along with staff.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

I. Resolution 05-4022 Authorizing and Approving a Loan Agreement, providing for the Sale and Issuance of General Obligation Corporate Purpose Bonds, Series 2022A, and Providing for the Levy of Taxes to Pay the Same

Finance Director Marcia Woodke advised that a General Obligation Corporate Purpose Bond Sales Series 2022A in the amount of \$6,975,000 had been sold. She advised that six bids were received but one was removed due to bidder error. The bid award went to Baker Group of Oklahoma City, Oklahoma with a rate of 3.541974 percent

Moved by Borcharding, Seconded by Gisch Resolution 05-4022 Authorizing and Approving a Loan Agreement Providing for the Sale and Issuance of General Obligation Corporate Purpose Bonds, Series 2022A, and Providing for the Levy of Taxes to Pay the same; shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

J. Resolution 05-4722 Deleting Property from the Grimes Urban Renewal Area

Development Services Director Alex Pfaltzgraff stated that previous the Council approve a resolution authorizing staff to negotiate a development agreement with Rock Creek Investments and to initiate the necessary Urban Renewal Proceedings. He added the actions that would be necessary are to first delete the property from the Urban Renewal Area in order to reset the clock for incentives to be offered. Pfaltzgraff stated that an Ordinance would be need to delete the property from the TIF Ordinance and then lastly set a hearing to consider adding this property and project to the Urban Renewal Plan and Urban Renewal Area.

Moved by Johansen, Seconded by Borcharding Resolution 05-4722 deleting property from the Grimes Urban Renewal Area; shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

K. An Ordinance 766 Deleting Property from the Tax Increment Financing District for the Grimes Urban Renewal Area of the City of Grimes, Iowa, Pursuant to Section 403.19 of the Code of Iowa

Moved by Johansen, Seconded Borcharding, the First Reading of Ordinance 766 deleting property from the Tax Increment Financing District for the Grimes Urban Renewal Area of the City of Grimes, Iowa pursuant to Section 403.19 of the Code of Iowa shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

L. Resolution 05-4122 Setting Date for Public Hearing on Designation of the Expanded Grimes Urban Renewal Area and on Urban Renewal Plan Amendment

Moved by Johansen, Seconded by Borcharding; Resolution 05-4122 setting a date for a Public Hearing on designation of the expanded Grimes Urban Renewal Area and on Urban Renewal Plan Amendment shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

M. Amending Grimes Code of Ordinance Title 9 With Regard to Regulation of Wastewater Sewer Usage by Deleting Current Section 9-1 In Its Entirety, and Adopting New Uniform Wastewater Sewer Regulations Consistent with Grimes WRA Agreement

Public Works Director Kevin Hensley stated this Ordinance is part of the amendments that are required by the WRA. He added this Ordinance is related to discharge requirements and limits, also limits for pollutants, pre-treatment standards and the regulations of fat, oil and greases. Hensley stated they are obligations as part of joining the WRA.

1.Public Hearing on Ordinance 765 Amending Grimes Code of Ordinance Title 9 With Regard to Regulation of Wastewater Sewer Usage by Deleting Current Section 9-1 In Its Entirety, and Adopting New Uniform Wastewater Sewer Regulations Consistent with Grimes WRA Agreement

Mayor Mikkelsen opened the Public Hearing at 6:30 pm. There being no oral or written comments the Public Hearing was closed at 6:31 pm.

2.First Reading of Ordinance 765 Amending Grimes Code of Ordinance Title 9 With Regard to Regulation of Wastewater Sewer Usage by Deleting Current Section 9-1 In Its Entirety, and Adopting New Uniform Wastewater Sewer Regulations Consistent with Grimes WRA Agreement

Moved by Gisch, Seconded by Johansen First Reading of Ordinance 765 amending Grimes Code of Ordinance Title 9 with regard to Regulation of Wastewater Sewer Usage by deleting current Section 9-1 in its entirety, and adopting new uniform wastewater sewer regulations consistent with Grimes WRA Agreement; shall be approved.

Roll Call: Ayes: All; Nays: None Motion passes 5 – 0

N. Resolution 05-4322 Approving GrimesPlex Monetary Gift Agreement

City Administrator Jake Anderson stated this is the second part of an agreement. He stated the Council approved a real estate agreement at the last meeting. Anderson stated this Resolution and agreement approves and authorized the Mayor to sign, established a commitment to donate \$12,000,000.00 to the City from Reza Kargarzadeh for the GrimesPlex. Mayor Mikkelsen thanked Reza Kargarzadeh for his generous gift to the City of Grimes.

ADJOURN

Motion by Gisch, Second by Johansen, to adjourn the meeting at 6:35p.m.

Roll Call: Ayes: All. Nays: None. Motion passes: 5 to 0.

ATTEST:

Rochelle Williams, City Clerk

Scott Mikkelsen, Mayor

GRIMES RESOLUTION 06-0622

**RESOLUTION APPROVING CIGARETTE/TOBACCO, ALTERNATIVE
NICOTINE AND VAPOR PERMITS FOR 2022-2023**

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 14th day of June 2022,

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

General Instructions

- Fill in the month, day, and year that this application covers.
- All permits expire annually on June 30th.
- A new application must be submitted every year.
- All items must be completed.
- A permit will not be issued until the application is properly completed and approved.

Business Information

- Fill in the trade name/DBA of the business.
- Fill in the physical location address, city, and ZIP.
- Fill in the mailing address or PO Box, city, and ZIP.
- Fill in the 10-digit telephone number of the business.

Legal Ownership Information

- Check the legal ownership type of the business.
- Fill in the name(s) of the sole proprietor, partnership, the corporation, the LLC, or the LLP that is the legal owner of the business. This is not the store manager or the corporate president. Do not fill in the name of a person unless the type of ownership is sole proprietor.
- Fill in the 10-digit telephone number, fax number, and email address of the legal owner.

Retail Information

- Check the box for the type of sales at the business.
- If you make delivery sales of alternative nicotine or vapor products, also complete an Annual Application for Iowa Cigarette Permit, Tobacco Tax License, or Delivery Seller Permit 70-015.
- Check the types of products sold at the business.
- Check the box that best describes the type of business establishment.
- Print the name of the sole proprietor, the partner(s), or corporate official signing this application.
- Sign and date the application. The application must be signed by the owner, one of the partners, or one of the corporate officers listed above. A preparer's or store manager's signature is not acceptable.
- Return this application and fee to your local jurisdiction: city clerk (within city limits) or county auditor (outside of city limits).

Permit Fees

- The price of a retail permit depends on the location of the business and the month issued.

Location	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
Outside of city limits	\$50.00	\$37.50	\$25.00	\$12.50
City of less than 15,000	\$75.00	\$56.25	\$37.50	\$18.75
City of 15,000 or more	\$100.00	\$75.00	\$50.00	\$25.00

For City Clerk/County Auditor Only

- Send completed/approved applications within 30 days of issuance to:
Email: iapledge@iowaabd.com
Fax: 515-281-7375

Visit the Iowa Department of Revenue at (<https://tax.iowa.gov>) to find information regarding minimum price, a list of approved brands, a list of licensed distributors, and answers to frequently asked questions.

All retailers need to sign up for the cigarette/tobacco elist (Listserv).

TOBACCO PERMITS

2022/2023

TAB	Name	Site Address	Mail Address	Permit #	Received	Council Date
1	Fareway Store	351 SE Gateway Dr.	PO Box 70 Boone, IA 50036	23-002	5/16/22	06/14/22
2	Casey's # 2520	206 E 1st Street	PO Box 3001 Ankeny IA 50021-8045	23-001	4/11/22	06/14/22
3	Casey's # 3507	951 SE Gateway # 3507	PO Box 3001 Ankeny IA 50021-8045	23-014	4/11/22	06/14/22
4	Casey's # 3746	1650 NE Beaverbrooke Blvd	PO Box 3001 Ankeny IA 50021-8045	23-019	4/11/22	06/14/22
6	Kum & Go # 141	1880 SE Princeton Dr.	6400 Westown Pkwy, WDM IA 50266	23-005	4/1/22	06/14/22
7	Kum & Go # 237	801 E. 1st Street	6400 Westown Pkwy, WDM IA 50266	23-006	4/1/22	06/14/22
8	Walmart #5748	2150 E. 1st Street	Wal-Mart Stores Inc. Attn: Shawn Woods, 702 SW 8th St. Dept #8916 Bentonville, AR 72716-0500	23-008	5/6/22	06/14/22
9	QuikTrip #531	1900 SE 37th St	QT, PO Box 3475 Tulsa, OK 74101-3475	23-010	5/10/22	06/14/22
10	Dollar General 7305	421 SE Gateway Drive	100 Mission Ridge Goodlettsville TN 37072	23-011	4/1/22	06/14/22
11	Yes Way Store # 1037	1905 Se 37th St	BW Gas & Convenience 138 Conant St. Beverly MA 01915	23-015	5/31/22	06/14/22
12	Spirits	109 E. 1st Street	Priya LLC 105 NE 21st Circle, Grimes IA	23-017	5/31/22	06/14/22
13	Atomic Cloud	200 SE Gateway DR #109	Atomic Cloud LLC 3823 Douglas Ave. Des Moines IA 50310	23-018	5/31/22	06/14/22
14	Central Iowa Vapors	2250 E. 1st Street #200	11338 Aurora Ave #10 Urbandale IA 50322	23-020	5/10/22	06/14/22
15	Kwik Star # 1024	1450 NE Gateway Ct.	Kwik Trip Inc. PO Box 2107 La Crosse WI 54602-2107	23-021	5/31/22	06/14/22
16	Kwik Star # 1055	2351 E. 1st Street	Kwik Trip Inc. PO Box 2107 La Crosse WI 54602-2107	23-022	5/31/22	06/14/22
17	Hy-Vee Fast & Fresh #1	1401 East 1st Street	5820 Westown Pkwy	23-023	4/18/22	06/14/22
18	Hy-Vee Grocery	351 NE Gateway Dr.	5820 Westown Pkwy	23-024	4/25/22	06/14/22
19	Hy-Vee Fast & Fresh #2	1701 SE 37th Street	5820 Westown Pkwy	23-025	4/22/22	06/14/22

Council Meeting June 14th, 2022

ABD LICENSE RENEWAL

1. **Walmart #5748:** 2150 East 1st Street: Ownership Update, Class E Liquor, Class C Beer, Class B Wine, and Sunday Sales



CITY OF GRIMES
ALCHOLIC BEVERAGE LICENSE
STAFF APPROVAL FORM

Establishment Name: Walmart

Establishment Address: 2150 East 1st Street

License Class: A ☐ B ☒ C ☒ E ☒ (All that apply)

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

New ☐ Renewal ☒

Fire Department Approval

Fire Inspection Date: 6/8/2022

Approval: Yes ☒ No ☐

Reason for not approving: _____

Fire Marshal Signature: [Signature]

Building Department Approval

Approval: Yes ☒ No ☐

Reason for not approving: _____

Building Official Signature: [Signature]

Planning Approval

Approval: Yes ☒ No ☐

Reason for not approving: _____

Planning Signature: Molly Mannel



State of Iowa

Alcoholic Beverages Division

Applicant

NAME OF LEGAL ENTITY

Walmart Inc.

NAME OF BUSINESS(DBA)

Walmart #5748

BUSINESS

(515) 986-1783

ADDRESS OF PREMISES

2150 East 1st Street

PREMISES SUITE/APT NUMBER

CITY

Grimes

COUNTY

Polk

ZIP

50111

MAILING ADDRESS

702 SW 8th Street Dept. 8916 MS
0500

CITY

Bentonville

STATE

Arkansas

ZIP

72716-0500

Contact Person

NAME

Lilian Calderon

PHONE

(479) 204-2486

EMAIL

complic@wal-mart.com

License Information

LICENSE NUMBER

LE0001646

LICENSE/PERMIT TYPE

Class E Liquor License

TERM

12 Month

STATUS

Submitted
to Local
Authority

TENTATIVE EFFECTIVE DATE

July 15, 2022

TENTATIVE EXPIRATION DATE

July 14, 2023

LAST DAY OF BUSINESS

SUB-PERMITS

Class E Liquor License, Class C Beer Permit, Class B Wine Permit



PRIVILEGES
Sunday Service

Status of Business

BUSINESS TYPE
Publicly Traded Corporation

Ownership

• Individual Owners

NAME	CITY	STATE	ZIP	POSITION	% OF OWNERSHIP	U.S. CITIZEN
Matthew Allen	Rogers	Arkansas	72758	Assistant Treasurer	0.00	Yes
John Scudder	Bentonville	Arkansas	72712	SVP and CECO	0.00	Yes
Carl Doug McMillon	Bentonville	Arkansas	72716	President & CEO	0.00	Yes
David Reading	Rogers	Arkansas	72758	Assistant Secretary	0.00	Yes
Walmart Licensing						
Walmart Licensing						



ALCOHOLIC
BEVERAGES
DIVISION
State of Iowa

State of Iowa

Alcoholic Beverages Division

INSURANCE COMPANY

POLICY EFFECTIVE DATE

POLICY EXPIRATION DATE

DRAM CANCEL DATE

OUTDOOR SERVICE EFFECTIVE
DATE

OUTDOOR SERVICE EXPIRATION
DATE

BOND EFFECTIVE DATE

TEMP TRANSFER EFFECTIVE
DATE

TEMP TRANSFER EXPIRATION
DATE



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

Meeting: June 14, 2022

AGENDA HEADING:

Resolution Approving Agreement Regarding Trail and Sidewalk Construction for 3600 SE Miehe Drive

SYNOPSIS:

The site plan for 3600 SE Miehe Drive identified the required construction of a sidewalk along the north side of SE 37th Street, a sidewalk connection from the building to the trail, and a sidewalk along the west side of SE Miehe Drive. Due to the uncertainty related to the widening of SE 37th Street, Staff has concluded that delaying the construction of the trail and sidewalks, to align with future improvements to SE 37th Street was the best option.

That being said, Staff has developed the attached Agreement Regarding Trail and Sidewalk Construction. The agreement identifies that the property owner/developer will construct the trail and sidewalk at their own cost within one year of the completion of the SE 37th Street improvements. At the time SE 37th Street is improved, the city will give notice to the property owner/developer to complete the construction of the trail and sidewalk.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve 3600 SE Miehe Drive Site Plan

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Resolution.

RESOLUTION APPROVING AGREEMENT REGARDING TRAIL AND SIDEWALK
CONSTRUCTION FOR 3600 SE MIEHE DRIVE

WHEREAS, Property Owner has previously submitted to Grimes, for its consideration, and Grimes has approved a permit for the construction of a single-family house located at 1813 NW 8th Street on Lot 1 of Autumn Park West Plat 1, Grimes, Iowa, Polk Iowa (the “Project”); and,

WHEREAS, the Project identified the construction of an 8’ trail adjacent to the north side of SE 37th Street (the “Improvements”); and,

WHEREAS, the Project identified the construction of a 5’ sidewalk connection from the building to the trail along SE 37th Street (the “Improvements”); and,

WHEREAS, the Project identified the construction of a 5’ sidewalk adjacent to the north side of SE 37th Street (the “Improvements”); and,

WHEREAS, due to the uncertain timing of the widening of SE 37th Street, the Developer does not wish to install the Improvements at this time; and,

WHEREAS, Grimes agrees that the delayed installation of the Improvements will allow for a more efficient future construction process.

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

That the City approves the Agreement Regarding Trail and Sidewalk Construction for 3600 SE Mieke Drive.

BE IT FURTHER RESOLVED that Mayor is hereby authorized to execute the Agreement and the Clerk is to attest.

PASSED AND APPROVED this 14th day of June, 2022.

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

WHEN RECORDED RETURN TO:
Rochelle Williams
Grimes City Clerk
101 NE Harvey Street
Grimes, Iowa 50111

AGREEMENT REGARDING TRAIL AND SIDEWALK CONSTRUCTION

This Agreement Regarding Sidewalk Construction ("Agreement") made and entered into this 26th day of May, 2022 by and between Platinum Development ("Developer") and the City of Grimes, Iowa, an Iowa municipal corporation ("Grimes").

WHEREAS, Developer has plans to develop property legally described on Exhibit A, attached hereto and incorporated herein by this reference (the "Property"), which is located within the City of Grimes; and

WHEREAS, Property Owner has previously submitted to Grimes, for its consideration, and Grimes has approved a site plan for the construction of a commercial building generally located at 3600 SE Miehe Drive, Grimes, Iowa, Polk Iowa (the "Project"); and

WHEREAS, the Project identified the construction of an 8' trail adjacent to the north side of SE 37th Street (the "Improvements"); and

WHEREAS, the Project identified the construction of a 5' sidewalk connection from the building to the trail along SE 37th Street (the "Improvements"); and

WHEREAS, the Project identified the construction of a 5' sidewalk adjacent to the west side of SE Miehe Drive (the "Improvements"); and

WHEREAS, due to the uncertain timing of the widening of SE 37th Street, the Developer does not wish to install the Improvements at this time; and

WHEREAS, due to the lack of existing sidewalk network along SE Miehe Drive, the Developer does not wish to install the Improvements at this time; and

WHEREAS, Grimes agrees that the delayed installation of the Improvements will allow for a more efficient future construction process.

NOW, THEREFORE, for and in consideration of Grimes granting approval for the Project and in further consideration of the mutual promises and covenants herein contained, the parties hereto do hereby agree as follows:

1. The Developer or future property owner agrees to construct the trail and sidewalk at their own cost in accordance to the site plan and attached Exhibit A.
2. The construction of the trail and sidewalk connection shall occur within one (1) year after the City has completed the future SE 37th Street improvements. If the property owner does not comply with this provision, the City shall construct the trail and sidewalk and bill the property owner for the cost incurred by the City to construct the improvements.
3. The construction of the sidewalk along SE Miehe Drive shall occur by the Developer or future property owner within 60 days following written notice by the City of Grimes.

4. This Agreement shall be recorded with the Polk County Recorder.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed as of the day and year above-written.

Signed this 26th day of May, 2022

Platinum Development, Developer

By [Signature]
Name Phil Arason
Title CFO

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 26th day of May, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Phil Arason, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.

[Signature]
Notary Public in and for the
State of Iowa

My Commission expires 1/15/24



CITY OF GRIMES

By: _____
Scott Mikkelsen, Mayor

Attest:

Rochelle Williams
City Clerk

STATE OF IOWA)
) SS
COUNTY OF POLK)

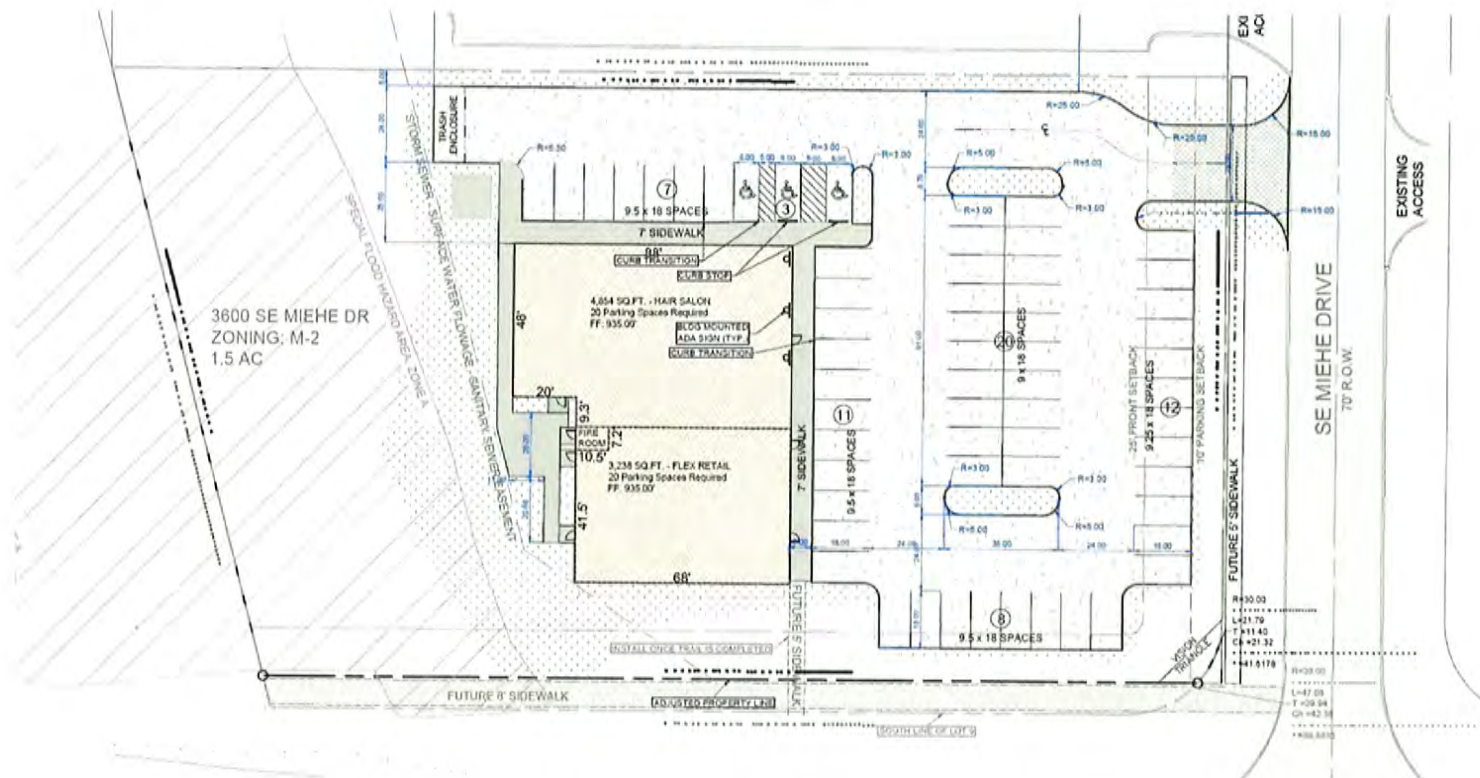
On this ____ day of _____, 20__, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Scott Mikkelsen and Rochelle Williams, to me personally known, and, who, being by me duly sworn, did say that they are the Mayor and the City Clerk, respectively, of the City 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 _____

EXHIBIT A

LOT 9 WESTERN PLAINS BUSINESS PARK PLAT NO. 3, AN OFFICIAL PLAT, ALL BEING IN AND FORMING A PART OF THE CITY OF GRIMES, POLK COUNTY IOWA LESS THE SOUTH 10 FEET.





*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement and buffer easement for Glenstone Trail Plat 7 Lot 15.

SYNOPSIS: The owner of 3105 SE Keystone Drive has requested approval to install a fence within the overland flowage easement and buffer easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the overland flowage easement and buffer easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement and buffer easement for Glenstone Trail Plat 5.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement and buffer easement for Glenstone Trail Plat 7 Lot 15.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT AND BUFFER EASEMENT FOR
LOT 15 IN GLENSTONE TRAIL PLAT 7
3105 SE KEYSTONE DRIVE

WHEREAS, the owners of Lot 15 in Glenstone Trail Plat 7 in the City of Grimes, Iowa (the "Property") have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement and buffer easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within overland flowage easement and buffer easement.

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

That the Consent and Agreement for Improvements within overland flowage easement and buffer easement ("Consent and Agreement") regarding Lot 15, Glenstone Trail Plat 7, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515)986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Carly Hoffman, a single person (collectively, the "Property Owner") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 15 of Glenstone Trail Plat 7 (3105 SE Keystone Drive), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").
2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain buffer easement, recorded on January 30, 2008, in Book 12527, Page 359-364, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, recorded on January 30, 2008, in Book 12527, Page 371-376, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
4. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area,

and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.

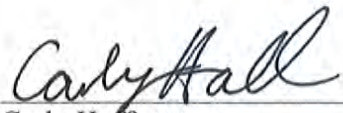
5. CITY CONSENT TO INSTALLATION OF IMPROVEMENTS. The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.
6. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
7. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
8. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
9. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
10. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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.

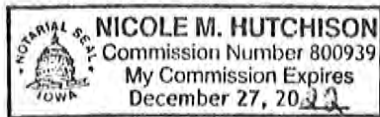
Signed this 19th day of MAY, 2022.

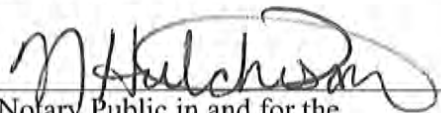
PROPERTY OWNERS


Carly Hoffman

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 19 day of May, 2022 before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Carly Hoffman, 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 12-27-22

CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 4' chainlink fence has been proposed to be constructed in an overland flowage easement and landscape buffer easement on Lot 15 of Glenstone Trail Plat 7 (3105 SE Keystone Drive) in accordance to permit number FN-22-045.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Brentwood Estates Lot 48.

SYNOPSIS: The owner of 2940 NE Brentwood Drive has requested approval to install a fence within the overland flowage easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the overland flowage easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement for Brentwood Estates.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Brentwood Estates Lot 48.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT FOR
LOT 48 IN BRENTWOOD ESTATES
2940 NE BRENTWOOD CIRCLE

WHEREAS, the owners of Lot 48 in Brentwood Estates in the City of Grimes, Iowa (the “Property”) have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within overland flowage easement.

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

That the Consent and Agreement for Improvements within overland flowage easement (“Consent and Agreement”) regarding Lot 48, Brentwood Estates, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515)986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Sudka Bahtic and Muso Bahtic, a married couple, as Joint Tenants with full rights of survivorship and not as Tenants in Common (collectively, the "Property Owners") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 48 of Brentwood Estates (2940 NE Brentwood Circle), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").
2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, dated May 8, 2018, recorded on June 20, 2018, in Book 16970, Page 562-568, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area, and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.
4. **CITY CONSENT TO INSTALLATION OF IMPROVEMENTS.** The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by

the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.

5. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
6. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
7. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
8. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
9. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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 27th day of May, 2022

PROPERTY OWNERS

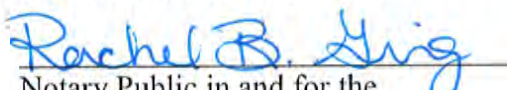

Sudka Bahtic

Muso Bahtic

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 27th day of May, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Sudka Bahtic, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.



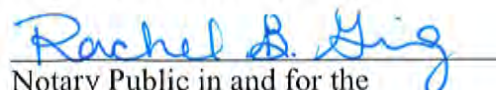

Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 27th day of May, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Muso Bahtic, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.




Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 5' black chain-link fence has been proposed to be constructed in an overland flowage easement on Lot 48 of Brentwood Estates (2940 NE Brentwood Circle) in accordance to permit number FN-22-041.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Beaverbrooke West Plat Nine Lot 54.

SYNOPSIS: The owner of 1409 NW Sunset Lane has requested approval to install a fence within the overland flowage easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the storm sewer and surface water flowage easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement for Beaverbrooke West Plat Nine.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Beaverbrooke West Plat Nine Lot 54.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT FOR
LOT 54 IN BEAVERBROOKE WEST PLAT NINE
1409 NW SUNSET LANE

WHEREAS, the owners of Lot 54 in Beaverbrooke West Plat Nine in the City of Grimes, Iowa (the "Property") have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within storm sewer and surface water flowage easement.

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

That the Consent and Agreement for Improvements within storm sewer and surface water flowage easement ("Consent and Agreement") regarding Lot 54, Beaverbrooke West Plat Nine, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515) 986-3036
Taxpayer Information: City of Grimes 505 NE Harvey Street, Grimes, IA 50111 (515) 986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Gregory King and Jennifer King, a married couple, as Joint Tenants with full rights of survivorship and not as Tenants in Common, (collectively, the "Property Owners") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 54 of Beaverbrooke West Plat Nine (1409 NW Sunset Lane), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").
2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, dated November 12, 2013 recorded on November 26, 2013, in Book 15039, Page 154-159, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area, and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.
4. **CITY CONSENT TO INSTALLATION OF IMPROVEMENTS.** The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by

the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.

5. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
6. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
7. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
8. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
9. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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 16th day of June, 2022

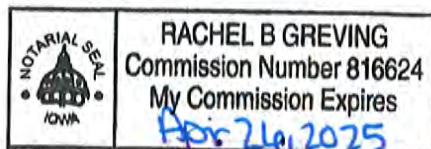
PROPERTY OWNERS

[Signature]
Gregory King

[Signature]
Jennifer King

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 16th day of June, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Gregory King, 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.

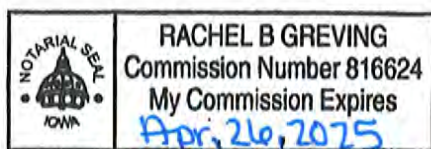


[Signature]
Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 16th day of June, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Jennifer King, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.



[Signature]
Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 4' black chainlink fence has been proposed to be constructed in a storm sewer and surface water flowage easement on Lot 54 of Beaverbrooke West Plat Nine (1409 NW Sunset Lane) in accordance to permit number FN-22-057.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Autumn Park West Plat 1 Lot 28.

SYNOPSIS: The owner of 1704 NW 8th Street has requested approval to install a fence within the overland flowage easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the overland flowage easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement for Autumn Park West Plat 1.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Autumn Park West Plat 1 Lot 28.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT FOR
LOT 28 IN AUTUMN PARK WEST PLAT 1
1704 NW 8TH STREET

WHEREAS, the owners of Lot 28 in Autumn Park West Plat 1 in the City of Grimes, Iowa (the “Property”) have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within overland flowage easement.

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

That the Consent and Agreement for Improvements within overland flowage easement (“Consent and Agreement”) regarding Lot 28, Autumn Park West Plat 1, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515) 986-3036
Taxpayer Information: City of Grimes 101 NE Harvey Street, Grimes, IA 50111 (515) 986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Josh Knoke and Emily Knoke, a married couple, as Joint Tenants with full rights of survivorship and not as Tenants in Common (collectively, the "Property Owners") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 28 of Autumn Park West Plat 1 (1704 NW 8th St), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").
2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, dated September 11, 2018 recorded on November 30, 2018, in Book 17164, Page 765-769, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area, and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.
4. **CITY CONSENT TO INSTALLATION OF IMPROVEMENTS.** The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall

obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.

5. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
6. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
7. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
8. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
9. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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.

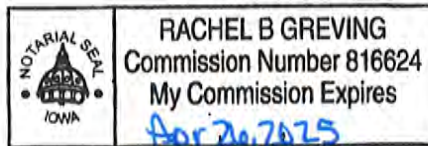
Signed this 7th day of June, 2022

PROPERTY OWNERS

Josh Knoke
Josh Knoke
Emily Knoke
Emily Knoke

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 7th day of June, 2022 before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Josh Knoke, 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.

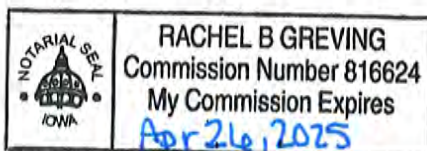


Rachel B. Greiving
Notary Public in and for the
State of Iowa

My Commission expires Apr 26, 2025

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 7th day of June, 2022 before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Emily Knoke, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.



Rachel B. Greiving
Notary Public in and for the
State of Iowa

My Commission expires Apr 26, 2025

CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 4' chainlink fence has been proposed to be constructed in an overland flowage easement on Lot 28 of Autumn Park West Plat 1 (1704 NW 8th Street) in accordance to permit number FN-22-055.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Autumn Park West Plat 1 Lot 27.

SYNOPSIS: The owner of 1700 NW 8th Street has requested approval to install a fence within the overland flowage easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the overland flowage easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement for Autumn Park West Plat 1.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Autumn Park West Plat 1 Lot 27.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT FOR
LOT 27 IN AUTUMN PARK WEST PLAT 1
1700 NW 8TH STREET

WHEREAS, the owners of Lot 27 in Autumn Park West Plat 1 in the City of Grimes, Iowa (the “Property”) have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within overland flowage easement.

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

That the Consent and Agreement for Improvements within overland flowage easement (“Consent and Agreement”) regarding Lot 27, Autumn Park West Plat 1, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515) 986-3036
Taxpayer Information: City of Grimes 101 NE Harvey Street, Grimes, IA 50111 (515) 986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Kyle Reed and Molly Clasing, as Joint Tenants with full rights of survivorship and not as Tenants in Common (collectively, the "Property Owners") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 27 of Autumn Park West Plat 1 (1700 NW 8th St), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").
2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, dated September 11, 2018 recorded on November 30, 2018, in Book 17164, Page 765-769, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area, and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.
4. **CITY CONSENT TO INSTALLATION OF IMPROVEMENTS.** The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall

obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.

5. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
6. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
7. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
8. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
9. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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.

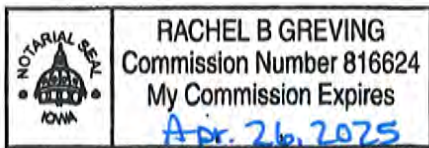
Signed this 7th day of June, 2022

PROPERTY OWNERS

Kyle F. Reed
Kyle Reed
Molly Clasing
Molly Clasing

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 7th day of June, 2022 before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Kyle Reed, 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.

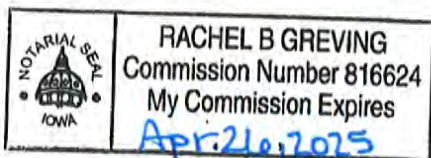


Rachel B. Greiving
Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 7th day of June, 2022 before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Molly Clasing, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.



Rachel B. Greiving
Notary Public in and for the
State of Iowa

My Commission expires Apr. 26, 2025

CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 4' chainlink fence has been proposed to be constructed in an overland flowage easement on Lot 27 of Autumn Park West Plat 1 (1700 NW 8th Street) in accordance to permit number FN-22-056.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Beaverbrooke West Plat Eight Lot 111.

SYNOPSIS: The owner of 1709 NW Sunset Lane has requested approval to install a fence within the overland flowage easement on the subject property. The installation of the fence has been reviewed by city staff and it has been determined that the installation will not affect the city's ability to maintain the storm sewer and surface water flowage easement.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Approve overland flowage easement for Beaverbrooke West Plat Eight.

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff recommends approval of the Resolution Approving Consent and Agreement for Improvements within overland flowage easement for Beaverbrooke West Plat Eight Lot 111.

RESOLUTION APPROVING
CONSENT AND AGREEMENT FOR IMPROVEMENTS WITHIN OVERLAND FLOWAGE
EASEMENT FOR
LOT 111 IN BEAVERBROOKE WEST PLAT EIGHT
1709 NW SUNSET LANE

WHEREAS, the owners of Lot 111 in Beaverbrooke West Plat Eight in the City of Grimes, Iowa (the "Property") have submitted to the City of Grimes a Consent and Agreement for Improvements within overland flowage easement to permit the installation of a fence within the easement area on the Property; and

WHEREAS, City desires to accept the Consent and Agreement for Improvements within storm sewer and surface water flowage easement.

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

That the Consent and Agreement for Improvements within overland flowage easement ("Consent and Agreement") regarding Lot 111, Beaverbrooke West Plat Eight, is hereby accepted and approved by the City Council of the City of Grimes, that the Mayor is hereby authorized to execute such Consent and Agreement on behalf of the City, and the City Clerk to attest to his signature, and that the City Clerk is hereby authorized and directed to file the Consent and Agreement with the Polk County Recorder.

PASSED AND APPROVED this 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Preparer Information: Alex Pfaltzgraff, 101 NE Harvey St, Grimes, Iowa 50111 Phone (515) 986-3036
Taxpayer Information: City of Grimes 505 NE Harvey Street, Grimes, IA 50111 (515) 986-3036
Return to: Rochelle Williams, City Clerk, City of Grimes, 101 NE Harvey St, Grimes, Iowa 50111

CONSENT AND AGREEMENT FOR IMPROVEMENTS

This CONSENT AND AGREEMENT FOR IMPROVEMENTS ("Agreement") is entered into by and between Larry Plathe and June Plathe, a married couple, (collectively, the "Property Owners") and the City of Grimes, Iowa, a municipal corporation (hereinafter called "City"):

1. **PROPERTY DESCRIPTION.** Property Owners own that property legally described as:

Lot 111 of Beaverbrooke West Plat Eight (1709 NW Sunset Lane), an Official Plat, now included in and forming a part of the City of Grimes, Polk County, Iowa ("Property").

2. **EXISTING EASEMENT.** The Property Owner or Property Owner's predecessor in title, granted that certain overland flowage easement, dated September 24, 2013 recorded on October 17, 2013, in Book 14996, Page 903, in the real property records of Polk County, Iowa (the "Easement") to the City, which prohibited the erection of any fence or other structure within the easement areas described therein (the "Easement Area") without the prior written consent of the City.
3. **IMPROVEMENTS.** The Property Owners desire to install a fence on the Property, the exact nature and scope of which is described on Exhibit A, attached hereto and incorporated herein (the "Improvement"), which encroaches into the Easement Area, and the City has agreed to consent to the installation of the Improvement within the Easement Area, subject to the conditions set forth in this Agreement.
4. **CITY CONSENT TO INSTALLATION OF IMPROVEMENTS.** The City hereby consents to the installation of the Improvement as described herein within the Easement Area, provided that the Property Owners install and maintain the Improvement such that the Improvement does not impede the use and enjoyment of the Easement Area by the City as outlined in the Easement. Notwithstanding the foregoing, the Property shall

obtain all necessary licenses and approvals for the installation of the Improvement pursuant to City Ordinances.

5. MAINTENANCE AND LIABILITY. The Property Owners acknowledge and agree that in the event that the City exercises its rights under the Easement, including the rights to construct, reconstruct, repair, replace, enlarge, inspect and maintain the Improvement, the City's duty of restoration for the Easement Area shall be limited to grading and one seeding grass. In no event shall the City shall be responsible for any reconstruction, replacement, repair or maintenance of the fence or any improvements or structure located within the Easement Area, as the result of any activity, including, but not limited to, damage or destruction of the Property Owners' improvement by the City, City Employees, or City Contractors in connection with work in the Easement Area. Except as a result of the gross negligence or intentional misconduct of the City or City Employees, the Property Owners shall indemnify, defend and hold harmless the City from and against any loss or damage to the Property or liability from any claim by the Property Owners or any third party by reason of the construction, installation, use or maintenance of the Improvements.
6. NO OTHER CHANGE. Except as amended herein, each and every term, condition, warranty and provision of the Easement shall remain in full force and effect, and such are hereby ratified, confirmed and approved by the parties hereto.
7. TERMINATION. If the Improvement is destroyed or removed and not replaced with an identical structure to the one defined by Exhibit A within three months, or if the Improvement is replaced with a different structure which is not authorized by the City, this Agreement shall automatically terminate, and the City may file notice of the termination in the records of the Office of the County Recorder. Failure by the City to file such notice shall not be interpreted as approval or further consent by the City, and shall not impact the validity of the termination.
8. RUNS WITH THE LAND. This Agreement shall be deemed to run with the land and shall be binding on the Property Owners and on the Property Owners' heirs, successors and assigns.
9. 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 Agreement by the City Clerk.

The Property Owners do HEREBY COVENANT with the City that (i) the Property Owners hold said real estate described in this Agreement by title in fee simple; (ii) that the Property Owners have good and lawful authority to convey the same; and (iii) the Property Owners covenant to WARRANT AND DEFEND the said premises against the claims of all persons whomsoever.

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 8th day of June, 2022

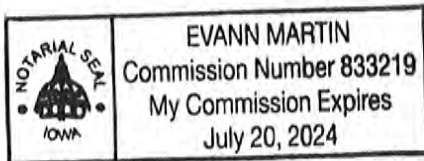
PROPERTY OWNERS

[Signature]
Larry Plathe

[Signature]
June Plathe

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 8th day of June, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared Larry Plathe, 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.

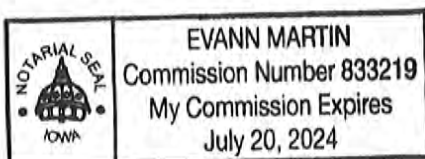


[Signature]
Notary Public in and for the
State of Iowa

My Commission expires 7/20/24

STATE OF IOWA)
) SS
COUNTY OF Polk)

On this 8th day of June, 2022, before me, the undersigned, a Notary Public in and for the State of Iowa, personally appeared June Plathe, to me known to be the identical person named in and who executed the foregoing instrument, and acknowledged that these persons executed the instrument as the voluntary acts of the persons.



[Signature]
Notary Public in and for the
State of Iowa

My Commission expires 7/20/24
CITY OF GRIMES

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 the 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 _____

EXHIBIT A

EASEMENT AREA

A 4' black chainlink fence has been proposed to be constructed in an overland flowage easement on Lot 111 of Beaverbrooke West Plat Eight (1709 NW Sunset Lane) in accordance to permit number FN-22-058.



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Resolution Approving Professional Services Agreement with Impact7G regarding Grant Research and Writing

SYNOPSIS: As the City of Grimes continues to evolve and expand the CIP, a need for grant research has been identified. With a growing 5-year CIP, the reliance upon grants and outside funding is becoming increasingly necessary in order to continue delivering high quality projects to the citizens and business owners of Grimes. The efforts associated with researching grants, and evaluating opportunities are also becoming more difficult to accomplishing given the increased growth of the City.

As such, a pilot program with Impact7G for the next two years has been developed, and a Professional Services Agreement finalized. The intent of the relationship would be to have Impact7G evaluate our CIP and Strategic Plan on a monthly basis, as it relates to available grant and outside funding opportunities. Impact7G will develop and present to the City the available opportunities and the City can then evaluate if we want to move forward with applications. Impact7G's team of grant writing professionals are also available to assist with the writing and management if the City desires.

FISCAL IMPACT: \$1,080.00/Month – Grant Research
\$135/Hour – Grant Writing (Optional, as determined by the City)

PREVIOUS COUNCIL ACTION(S):

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: Staff and the City Attorney have reviewed this Professional Services Agreement and recommends approval by the City Council.

RESOLUTION APPROVING PROFESSIONAL SERVICES AGREEMENT WITH
IMPACT7G REGARDING GRANT RESEARCH AND WRITING SERVICES

WHEREAS, as the City continues to grow and expand the annual Capital Improvement Services, a need related to the research of available grants and outside funding opportunities has been identified; and

WHEREAS, City staff have developed a framework that would pilot this grant research program over the following two years, with the intent of increasing funding for projects within the CIP; and

WHEREAS, the City has asked Impact7G to perform certain professional services relating to the research and potential writing of grants (the “Service”); and

WHEREAS, the City of Grimes desires to enter into an agreement with respect to the Services.

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

That the agreement with Impact7G entitled, “Grant Research and Writing Services Agreement,” regarding the Service be and is hereby approved and accepted by this City Council, and the Mayor is hereby authorized and directed to execute said agreement on behalf of the City; and the City Clerk is hereby authorized and directed to attest to the signature of the Mayor to same.

PASSED AND APPROVED THIS 14th DAY of JUNE, 2022.

CITY OF GRIMES, IOWA

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk



Professional Services Agreement

Project:	Grant research and writing services
Date	June ___, 2022

Client:	City of Grimes
Contact:	Alex Pfaltzgraff, Development Services Director
Address:	410 SE Main Street, Suite 102
City/State/Zip:	Grimes, Iowa 50111
Phone:	515-986-4050
Email:	apfaltzgraff@grimesiowa.gov

AGREEMENT made this ___th day of _____ June , 2022, by and between the service provider, Impact7G, Inc. ("Impact7G") and the City of Grimes ("Client").

WHEREAS, the Client intends to engage the services of Impact7G to: Provide grant research and develop funding proposals, as directed by the Client, for completing grant/funding applications.

WHEREAS, Impact7G agrees to provide said services pursuant to the terms of this Agreement.

NOW THEREFORE, the parties agree as follows:

1. Project

Impact7G agrees to provide grant research and writing services per the scope of services.

2. Scope of Services

1. Research grant/funding opportunities and advise the City of Grimes based on the City's priorities.
2. Review and interpret grant/funding guidelines to determine City priority and how to develop a strong proposal.
3. Notify the City of grant/funding opportunities including, summary, funding amount, match amount, due date, how grant/funding opportunity meets City's priorities, and estimated number of hours of involvement by the city staff and Impact7G to complete proposal.
4. Prepare grant/funding proposals as directed by the city.
5. Attend meetings as necessary to accomplish the required work.
6. Provide a detailed monthly status report detailing work completed each month.

3. **Impact7G Responsibilities** Impact7G hereby agrees to:

- (i) Provide the professional services as set forth in this Agreement; and
- (ii) Perform said services in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing at the same time and in the same or similar locality.

4. **Client Responsibilities** Client hereby agrees to:

Provide a knowledgeable representative(s) of the City of Grimes, who will be available to coordinate necessary information.

5. **Schedule**

The Project will commence immediately upon receipt of the executed Professional Services Agreement (PSA) from the Client.

6. **Project Cost, Payment and Termination**

The Client shall pay Impact7G a monthly amount of \$1,080.00 as a monthly retainer for grant research services. If City chooses to pursue grant/funding opportunities, those opportunities will be billed on a Time and Materials basis.

Tasks	Cost
Grant/Funding Opportunity Research Monthly Retainer Service	\$1,080 per month
Grant/Funding Proposal Writing and Packaging According to Program Guidelines as determined by City.	\$135.00 per hour

Invoices for Impact7G's services will be submitted monthly. Invoices shall be due and payable upon receipt. If any invoice is not paid within 30 days, Impact7G may, without waiving any claim of right against the Client, and without liability whatsoever to the Client, suspend or terminate the performance of services.

7. **Work Product** Grant/funding opportunities meeting the City's established priorities will be emailed to designated City representative(s) as outline in section 2. Scope of Services. Grant/Funding proposal applications will be packaged and emailed to designated City representative(s) in pdf format.

8. **Confidentiality** Both parties agree to adhere to generally accepted confidentiality practices and to provide each other with their best efforts in fulfillment of this contract. Contractor agrees not to disclose private information about the client. "Private information" does not include information available in the public domain.

9. **Claims and Disputes** Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or Impact7G. Impact7G's services under this Agreement are being performed solely for the Client's benefit, and

no other party or entity shall have any claim against Impact7G because of this Agreement or the performance or nonperformance of services hereunder. The Client and Impact7G agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.

The Client shall make no claim for professional negligence, either directly or in a third-party claim, against Impact7G unless the Client has first provided Impact7G with a written certification executed by an independent professional currently practicing in the same discipline as Impact7G and licensed in the State in which the claim arises.

10. Limited Liability The Client agrees, to the fullest extent permitted by law, to limit the liability of Impact7G and Impact7G's officers, directors, partners, employees, shareholders, owners and subconsultants to the Client for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of Impact7G and its officers, directors, partners, employees, shareholders, owners and subconsultants to all those named shall not exceed \$50,000. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

11. Mediation In an effort to resolve any conflicts that arise during the project or following the completion of the project, the Client and Impact7G agree that all disputes between them arising out of or relating to this Agreement shall be submitted to non-binding mediation unless the parties mutually agree otherwise. The Client and Impact7G further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the Project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, sub-consultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.

12. Controlling Law This Agreement shall be construed and enforced in accordance with the laws of the state of Iowa.

13. Assignment and Amendment Neither the Agreement nor any of the rights or obligations arising under the Agreement may be assigned without prior written consent. This agreement may not be amended without written consent of both parties.

This agreement is approved and accepted by the Client and Impact7G upon both parties signing and dating the agreement. The effective date of the agreement shall be the last date entered below

14. Duration of Contract and Termination The agreement will be in effect for two years after the effective date of the agreement referenced above. It may be extended by mutual written agreement of the parties. The contract may be terminated for the convenience of and by either party upon seven days written notice sent to the other party. Upon termination, Impact7G will submit an invoice for any remaining claims for compensation under the agreement, and will provide a copy of any pending grant proposal applications and communications.

City of Grimes

Impact7G, Inc.

Accepted by: _____

Project Manager: Nicole Turpin

Printed/
Typed Name: _____

Printed/
Typed Name: Nicole Turpin

Title: _____

Date: 5/16/2022

Date: _____



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 8, 2022

AGENDA HEADING:

Resolution Approving Offer to Purchase and Agreement – WRA Mansheim Property

SYNOPSIS:

With the development of the plans for Grime WRA Connector Project, it has been determined that certain easements will be necessary in order to construct the project.

A compensation estimate has been prepared for the easement, and an offer made to the property owner. The offer indicates that the City will pay a total of \$937.52 for the permanent and temporary easements, as well as compensation for certain restoration efforts within the easement areas.

The owner has reviewed the offer and accepted it.

FISCAL IMPACT:

Total Cost = \$937.52

PREVIOUS COUNCIL ACTION(S):

N/A

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Resolution

RESOLUTION NO. 06-1222

RESOLUTION APPROVING OFFER TO PURCHASE AND AGREEMENT – WRA
MANSHEIM PROPERTY

WHEREAS, the City of Grimes is developing plans to construct the Grimes WRA Connector Project (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 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

SPACE ABOVE THIS LINE FOR RECORDER

OFFER TO PURCHASE AND AGREEMENT

Page 1

PARCEL NO. 1214226006
 PROJECT NO. N/A

COUNTY: Dallas
 PROJECT NAME: Grimes WRA Connector Project

TO: Patrick and Mary Mansheim

On this 9th day of May, 2022, 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 Dallas 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	_____
\$ <u>937.52</u>	on possession and conveyance	<u>Within 30 Days of BUYER Approval</u>

\$ 937.52 TOTAL LUMP SUM

BREAKDOWN:	ac. = acres / sq.ft. = square feet	
Land by Fee Title	<u>0</u> sq.ft.	<u>\$ 0.00</u>
Underlying Fee Title	<u>0</u> sq.ft.	<u>\$ 0.00</u>
Permanent Easement	<u>0</u> sq.ft.	<u>\$ 0.00</u>
Temporary Easement(s)	<u>2,647</u> sq.ft.	<u>\$ 437.52</u>
Landscaping/Other		<u>\$ 500.00</u>
Total		<u>\$ 937.52</u>
Additional Damages <u>None</u>		

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: None
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 restoration of disturbed area within 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 waiv-er, modification, release, or cancellation of this Agreement or any portion of this Agree-ment 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 Patrick Mansheim
By: Patrick Mansheim
Marital Status: Married

X Mary Mansheim
By: Mary Mansheim
Marital Status: Married

ALL PURPOSE ACKNOWLEDGMENT

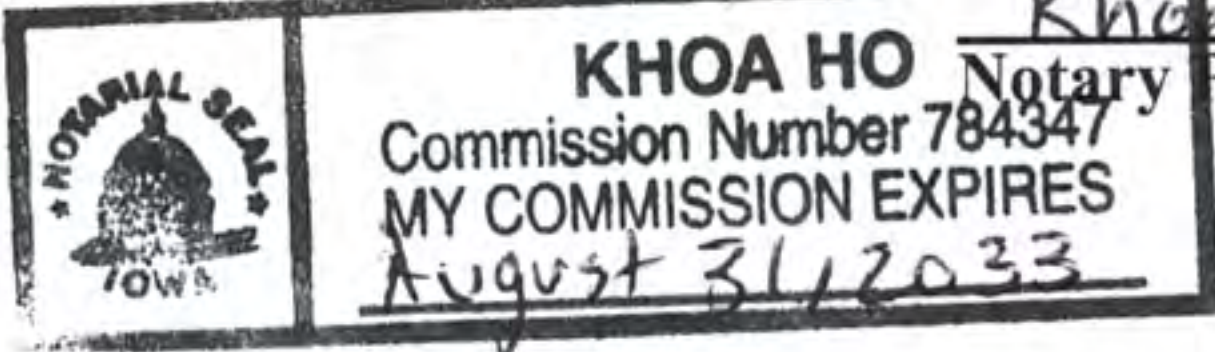
STATE OF Iowa }
COUNTY OF Dallas } ss:

On this 24th day of May, A.D. 20 22, before me, the undersigned, a Notary Public in and for said State, personally appeared Patrick Mansheim and Mary Mansheim

or X to me personally known
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) Khoa Ho (Sign in Ink)
Khoa Ho (Print/Type Name)
Notary Public in and for the State of Iowa



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

TEMPORARY EASEMENT FOR CONSTRUCTION AND CONSTRUCTION-RELATED ACTIVITIES

Patrick and Mary Mansheim (hereinafter referred to as the “Grantor”), in consideration of Four Hundred Thirty Seven and 52/100 Dollars (\$437.52) to be paid by the City of Grimes, Iowa (hereinafter referred to as the “Grantee” or “City”), upon final approval and acceptance of this Easement by the City Council of the City of Grimes, Iowa, does/do hereby convey unto the City of Grimes, Iowa, a Temporary Easement for Construction and Construction-Related Activities under, over, through and across the following described property.

OUTLOT F IN WATERFORD LANDING PLAT 2, AN OFFICIAL PLAT,
INCLUDED AND FORMING A PART OF THE CITY OF URBANDALE,
DALLAS COUNTY, IOWA

Which property is also described and depicted on the plat attached hereto as Exhibit " A "

(hereinafter referred to as the “Easement Area”) Said Easement allows the Grantee, its agents, contractors and employees, and other permitted parties including but not limited to electric, cable and telecommunications utilities and their respective agents, contractors and employees, a right of entry in, upon and onto the above described Easement Area for the Grimes WRA Connector Project (“Project”), which purpose includes any and all construction-related activities, and includes but is not limited to the following: (1) grading and excavation; (2) hauling, transporting and storage of materials and equipment; (3) trimming and/or removal of trees and landscaping within or encroaching upon the Easement Area; (4) utility work including but not limited to relocation, placement and removal of various utility facilities such as electric poles and wires, water lines, sewer lines and natural gas facilities that are within or encroaching upon the Easement Area; (5) laying, constructing, maintaining, operating, repairing and removing underground conduit, wires, cables, poles, guys, guy stubs, anchors and other necessary equipment incident thereto (including but not limited to transformers, switchgears, capacitors and other associated surface mounted equipment); and (6) soil and groundwater analysis and related requirements.

It is understood that, upon completion of this Project, the Grantee shall restore the Easement Area to its original condition as reasonably possible, including but not limited to restoration of lawns by sodding or seeding, replacement of concrete or asphalt driveways removed for grading or access purposes, and replacement of fences or other structures that may be removed or damaged by the Grantee and/or permitted parties during the course of construction, except that the following items shall not be restored by the Grantee or permitted parties but are instead compensated for the consideration paid for in this Easement by the Grantee as set forth above. (List items below or state "none").

None

It is further understood that the consideration set forth in this Easement shall constitute full and adequate compensation for damages to the above listed items.

It is further understood that the foregoing Easement and release shall be null and void and of no effect whatsoever unless accepted by the Grantee and shall be subject to the following terms and conditions to which the Grantee, upon acceptance of this instrument by the Grantee, shall be deemed and to have stipulated and agreed:

1. **DURATION.** It is understood and agreed that this Easement allowing entry in, upon and onto the Easement Area described shall be in effect beginning on the date that the Grantor signs this document until completion of construction of this improvement above described and the Grantee's performance of its obligation hereunder. This Easement shall be binding on Grantor and on Grantor's successors and assigns during construction of this improvement.
2. **GRANTOR'S REPRESENTATION AS TO TENANTS.**

The Grantor states and warrants that there are no tenants on the property where the Property Interests are located, except as listed below:

None

Furthermore, Grantor shall convey the Property free and clear of leasehold interests and leasehold claims and shall indemnify Grantee against any such claims as a result of this Project, unless the claim is due to Grantee's gross negligence.

4. **SPECIAL PROVISIONS.** NONE.


Patrick Mansheim

Mary Mansheim
Mary Mansheim

COUNTY OF Dallas)

A rectangular notary seal stamp. On the left is a circular emblem with a dome and the words "NOTARIAL SEAL" and "IOWA". To the right, the text reads: "KHOA HO", "Commission Number 784347", "MY COMMISSION EXPIRES", and "August 31, 2023".

Notary Public in and for the State of Iowa

ACCEPTANCE BY GRANTEE:

APPROVAL AND ACCEPTANCE:

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 _____ and _____, 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 the authority of its City Council, under Roll Call No. ____-____ of the City Council on the ____ day of _____, 20____, and that _____ and _____ 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

Resolution 06-1322 “A Resolution Approving Personnel Transactions”

WHEREAS, the City Administrator recommends the following additions, removals and/or amendments to the payroll:

Section 1. Pursuant to duly authorized job description, and after a thorough screening and selection process, Aaron Jarosh was hired as the Staff Engineer/Engineer in Training at an hourly rate of \$38.46. His start date was March 28, 2022.

Section 2. Pursuant to duly authorized job description, and after a thorough screening and selection process, Anthony Leo was hired as the Recreation Coordinator – Special Events at an hourly rate of \$21.50. His start date was June 6, 2022.

Section 3. Pursuant to duly authorized job description and approval by Fire Chief Clark, Drew Pick was hired as full time Firefighter at an hourly rate of \$18.80. His start date was June 6, 2022.

Section 4. All new hires are subject to a standard probationary period that shall be no less than six months but may be extended for a longer period as determined by the City Administrator.

PASSED AND APPROVED this 14th day of June 2022.

Mayor Scott Mikkelsen

ATTEST:

Rochelle Williams, City Clerk

Resolution 06-1422 “A Resolution Approving Personnel Transactions”

WHEREAS, the City Administrator recommends the following additions, removals and/or amendments to the payroll.

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

Section 1. 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

Blake Willey	PW Seasonal	\$15.50
Eli Followwill	PW Seasonal	\$15.50
Traeton Simmons	PW Seasonal	\$15.50
Jacob Adams	PW Seasonal	\$15.50
Tanner Wheeler	PW Seasonal	\$15.50
Charlie Adams	PW Seasonal	\$15.00
Garly Augusma	PW Seasonal	\$15.00
Kendal Bickford	PW Seasonal	\$15.00
Brandon Meyeraan	PW Seasonal	\$15.00
Traeton Wheeler	PW Seasonal	\$15.00

Parks & Recreation

Alexandra Hofbauer	Program Asst.	\$9.00
Emma Malmberg	Program Asst.	\$9.00
Mesa Worley	Program Asst.	\$9.00
Jada Hennessy	Program Asst.	\$9.00
Alyssa VanDerMolen	Program Asst.	\$9.00

Addie Lego	Program Asst.	\$8.50
Sophia Bauman	Program Asst.	\$8.50
Alex Pries	Program Asst.	\$8.50
Alexis Protzman	Program Supv.	\$11.50
Owen Pries	Program Supv.	\$11.50

PASSED AND APPROVED this 14th day of June, 2022.

Mayor Scott Mikkelsen

ATTEST:

Rochelle Williams, City Clerk

Resolution 06-1522 “A Resolution Approving Personnel Transactions”

WHEREAS, the Fire Department has a need to stay competitive with part-time wages;

WHEREAS, staff presented wage proposals to the Fire Board February 1 and April 27;

WHEREAS, the wage increases were approved by the Fire Board as proposed; and

WHEREAS, the Grimes City Council approves all personnel transactions and wages.

NOW THEREFORE, be it resolved by the City Council of the City of Grimes, Iowa that the Johnston-Grimes Metropolitan Fire Department part-time starting wages be changed effective July 1, 2022:

EMT Only	\$16.00 per hour
Firefighter/EMT	\$17.00 per hour
Paramedic Only	\$19.00 per hour
Firefighter/Paramedic	\$20.00 per hour

PASSED AND APPROVED this 14th day of June, 2022.

Mayor Scott Mikkelsen

ATTEST:

Rochelle Williams, City Clerk



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING:

Resolution Approving Offer to Purchase and Agreement – Jacob Reconstruction and Storm Sewer Project
Risius Property

SYNOPSIS:

With the development of the plans for Jacob Reconstruction and Storm Sewer Project, it has been determined that certain easements will be necessary in order to construct the project.

A compensation estimate has been prepared for the easement, and an offer made to the property owner. The offer indicates that the City will pay a total of \$246.79 for the permanent and/or temporary easements, as well as compensation for certain restoration efforts within the easement areas.

The owner has reviewed the offer and accepted it.

FISCAL IMPACT:

Total Cost = \$246.79

PREVIOUS COUNCIL ACTION(S):

N/A

BOARD/COMMISSION ACTION(S):

N/A

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Resolution

RESOLUTION NO. 06-1622

RESOLUTION APPROVING OFFER TO PURCHASE AND AGREEMENT – JACOB
RECONSTRUCTION AND STORM SEWER PROJECT RISIUS PROPERTY

WHEREAS, the City of Grimes is developing plans to construct the Jacob Reconstruction and Storm Sewer Project (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 14th day of June, 2022.

By: _____
Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

SPACE ABOVE THIS LINE FOR RECORDER

OFFER TO PURCHASE AND AGREEMENT

Page 1

PARCEL NO. 311/00157-000-000
 PROJECT NO. N/A

COUNTY: Polk
 PROJECT NAME: Jacob Street Reconstruction

TO: **Richard D. and Sue E. Risius**

On this 10th day of May, 2022, 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	_____
\$ <u>246.79</u>	on possession and conveyance	<u>Within 30 Days of BUYER Approval</u>

\$ 246.79 TOTAL LUMP SUM

BREAKDOWN:	ac. = acres / sq.ft. = square feet	
Land by Fee Title	<u>0</u> sq.ft.	\$ <u>0.00</u>
Underlying Fee Title	<u>0</u> sq.ft.	\$ <u>0.00</u>
Permanent Easement	<u>86</u> sq.ft.	\$ <u>246.79</u>
Temporary Easement(s)	<u>0</u> sq.ft.	\$ <u>0.00</u>
Landscaping/Other		\$ <u>0.00</u>
Total		\$ <u>246.79</u>
Additional Damages	<u>None</u>	

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: None
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 restoration of disturbed area within easements.
16. BUYER shall connect the existing downspouts on the north east corner of the property into the storm sewer at no cost to the SELLER.
17. BUYER shall remove one tree, located within the right-of-way along SE 5th, at no cost to the SELLER.
18. 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.
19. 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.
20. This Agreement shall not be binding until it has received the final approval by Resolution of the Grimes City Council.
21. **GENERAL PROVISIONS.**
 - a. This Agreement contains the entire agreement of the parties and no waiv-er, modification, release, or cancellation of this Agreement or any portion of this Agree-ment 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 [Signature]
By: Richard D. Risius
Marital Status: _____

X [Signature]
By: Sue E. Risius
Marital Status: _____

ALL PURPOSE ACKNOWLEDGMENT

STATE OF Iowa }
COUNTY OF PAK } ss:

On this 25 day of MAY, A.D. 20 22, before me, the undersigned, a Notary Public in and for said State, personally appeared _____

RICHARD AND SUE RISIUS
or X to me personally known
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)

[Signature] (Sign in Ink)
ALEX PFALTZGRAFF (Print/Type Name)
Notary Public in and for the State of Iowa

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

6-14-2022
(Date)

Attested by: Rochelle Williams

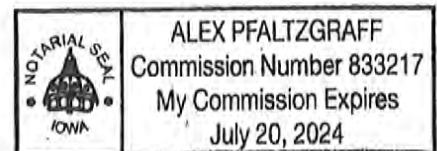
6-14-2022
(Date)

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



**Preparer
Information**

Alex Pfaltzgraff 410 SE Main Street, Unit 102. Grimes, IA 50111 515-986-4050

When Recorded Return to:

Alex Pfaltzgraff 410 SE Main Street, Unit 102. Grimes, IA 50111 515-986-4050

STORM SEWER EASEMENT

KNOW ALL PERSONS BY THESE PRESENTS that the undersigned property owner (hereinafter called "Grantor"), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby convey unto the CITY OF GRIMES, IOWA, a municipal corporation (hereinafter called "City"), a perpetual easement and right-of-way under, over, on, through, across and within the following described real estate:

See Exhibit A

(hereinafter called "Easement Area"), for the purpose of the City constructing, reconstructing, repairing, replacing, enlarging, inspecting and maintaining a storm sewer, together with all necessary structures and appurtenances thereto, under, over, on, through, across and within said Easement Area.

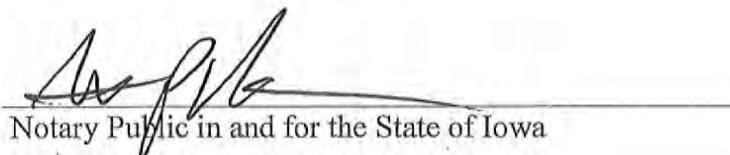
This Easement shall be subject to the following terms and conditions:

1. **ERECTION AND PLACEMENT OF STRUCTURES, OBSTRUCTIONS, PLANTINGS OR MATERIALS PROHIBITED.** Grantor and its grantees, assigns and transferees shall not erect any fence or other structure under, over, on, through, across or within the Easement Area without obtaining the prior written consent of the City, nor shall Grantor cause or permit any obstruction, planting or material to be placed under, over, on, through across or within the Easement Area without obtaining the prior written consent of the City.
2. **CHANGE OF GRADE PROHIBITED.** Grantor and its grantees, assigns and transferees shall not change the grade, elevation or contour of any part of the Easement Area without obtaining the prior written consent of the City. The

City shall have the right to restore any changes in grade, elevation or contour without prior written consent of the Grantor, its grantees, assigns or transferees.

3. **RIGHT OF ACCESS.** The City shall have the right of access to the Easement Area and have all rights of ingress and egress reasonably necessary for the use and enjoyment of the Easement Area from property adjacent thereto as herein described, including but not limited to, the right to remove any unauthorized fences, structures, obstruction, planting or material placed or erected under, over, on, through, across or within the Easement Area.
4. **MAINTENANCE.** The City shall not be responsible for any maintenance of the land located within the Easement Area whatsoever and that responsibility shall remain with the Grantor, its grantees, assigns or transferees. The City may, however, perform such maintenance should it determine in its sole discretion such maintenance is needed.
5. **PROPERTY TO BE RESTORED.** The City shall restore the Easement Area after exercising its rights hereunder, provided, however, that the City's duty of restoration shall be limited to grading and replacing grass, sod or any other ground cover (but not including any structures, trees or shrubs). The City shall not be responsible for any construction, reconstruction, replacement, repair or maintenance of any improvements located within the Easement Area.
6. **LIABILITY.** Except as may be caused by the negligent acts or omissions of the City, its employees, agents or its representatives, the City shall not be liable for injury or property damage occurring in or to the Easement Area, the property abutting said Easement Area, nor for property damage to any improvements or obstructions thereon resulting from the City's exercise of this Easement. Grantor agrees to indemnify and hold City, its employees, agents and representatives harmless against any loss, damage, injury or any claim or lawsuit for loss, damage or injury arising out of or resulting from the negligent or intentional acts or omissions of Grantor or its employees, agents or representatives.
7. **EASEMENT BENEFIT.** This Easement shall be for the benefit of the City, its successors and assigns, and its permittees and licensees.
8. **EASEMENT RUNS WITH LAND.** This Easement shall be deemed perpetual and to run with the land and shall be binding on Grantor and on Grantor's heirs, successors and assigns.
9. **APPROVAL BY CITY COUNCIL.** This Easement 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.

Grantor does HEREBY COVENANT with the City that (i) Grantor holds said real estate described in this Easement by title in fee simple; (ii) that Grantor has good and lawful authority



ACCEPTANCE BY CITY

STATE OF IOWA)
) SS
COUNTY OF POLK)

I, _____, City Clerk of the City of Grimes, Iowa, do hereby certify that the within and foregoing Easement was duly approved and accepted by the City Council of said City of Grimes by Resolution No. _____, passed on the _____ day of _____, 20____, and this certificate is made pursuant to authority contained in said Resolution.

Signed this _____ day of _____, 20____.

City Clerk of Grimes, Iowa

A PERPETUAL EASEMENT FOR STORM WATER UTILITY PURPOSES OVER, UNDER, AND ACROSS THAT PART OF LOT 14 IN BLOCK 16 OF THE TOWN OF GRIMES PLAT, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 79 NORTH, RANGE 25 WEST, CITY OF GRIMES, POLK COUNTY, IOWA, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH AND DOES NOT PURPORT TO SHOW ALL EASEMENTS OR ENCUMBRANCES OF RECORD.



EASEMENT EXHIBIT
418 SE 5TH STREET

PROJECT NO.
09410012

SHEET
1 OF 1



JOHNSTON-GRIMES METROPOLITAN FIRE DEPARTMENT

6373 MERLE HAY RD.
JOHNSTON, IOWA 50131

May 2022 service calls

323 calls across all districts

Total calls **Increased from** April's total (303).

Station 37 – 86 calls

Station 38 – Grimes district – 28 Johnston district – 67

Station 39 – 131 calls New NW Area - 2

9- Mutual Aid Given calls: Granger – 2 Polk City – 1 Urbandale - 3 Saylor Township – 3
Mutual Aid Received – 14 agency responses

EMS calls (252) – 78.02% Fire/other calls (71) – 21.98%

11 incidents in Category 1 - 2 structure fires, 1 Cooking Fire, 1 Chimney fire, 5 grass fires, 1 vehicle fires, 1 dumpster fire

5 incidents in Category 2 - Excessive Heat, scorch burns with no ignition

234 in Category 3 – Rescue/EMS

9 incidents in Category 4 - Hazardous Condition which is gas leaks, chemical spills, power lines down.

9 Service Calls in Category 5 – 8 assists, 1 unauthorized burning

24 Good Intent Calls in Category 6

25 False Alarms in Category 7

1 incident in Category 8 – Lightning strike

1 incident in Category 9 - Number issued in error

Major incidents to report in JGMFD districts or involving JGMFD Units

Deck Fire in Apartment complex in Johnston.

Fire in electrical cabinet for Grime's newest Jordan Well north of Grimes

Items of interest:

Consolidation Study is complete. Monday May 9th both the Grimes and the Johnston City Council received the presentation. Jake Andersen, Jim Sanders and I are working on revisions of the 28E that will be presented to the Fire Board in July.



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

Item No. X
For Meeting of June 14, 2022

AGENDA HEADING: 2021 Sanitary Sewer Collection System Study – Foth Infrastructure and Environment Professional Services Agreement Amendment for additional engineering services.

SYNOPSIS: The City of Grimes hired Foth to conduct a sanitary sewer system study back in April of 2021. They have been working on the study and are getting close to having a draft ready for review. The City of Grimes recently received the Iowa DNR Consent Order relating to the discharge that occurred from the wastewater treatment plant last year. In that Consent Order, the Iowa DNR laid out compliance measures that were agreed upon to get us from now until we flip the switch on the lift station and start sending wastewater flows to the WRA. One of those measures we agreed to was a Sanitary Sewer Industrial User Study to survey the contributing wastewater flows from industrial and commercial properties. The survey would ask questions like the type of on-site treatment process a user might have and what is the characteristics of their wastewater flow. This information will help us determine if there needs to be potential mitigation measures to control pollutant levels in the wastewater stream. This survey will be based off the Iowa DNR and/or EPA requirements and provide valuable information to us and also the WRA who will be receiving our wastewater flows in the future.

Foth will be providing the following engineering services: create and distribute the survey, work with users to complete the survey, review survey data, develop documents identifying pollutants and determining potential mitigation measures.

FISCAL IMPACT: The total fee proposed for the engineering services is \$20,000. Following our review, this appears to be a reasonable fee for this work.

PREVIOUS COUNCIL ACTION(S): Approval of PSA with Foth.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff has reviewed this Professional Services Agreement Amendment and recommends approval by the City Council.

ENGINEERING SERVICES AMENDMENT NO. 1

PROJECT NO. _____

THIS AMENDMENT, made and entered into this 14th day of June, 2022 by and between, the **CITY OF GRIMES, IOWA**, hereinafter referred to as the "City", and **FOTH INFRASTRUCTURE AND ENVIRONMENT, LLC.**, hereinafter referred to as the "Engineer", for professional services in connection with the 2021 Sanitary Sewer Collection System Study in Grimes, Iowa hereby amends the original Agreement dated April 27, 2021 to include additional services associated with the following tasks:

I. BASIC SERVICES OF THE CONSULTANT

The Consultant shall consult on a regular basis with the City to clarify and define the City's requirements for the Project and review available data. The City agrees to furnish to the Consultant full information with respect to the City's requirements, including any special or extraordinary considerations for the Project or special services needed, and to make available pertinent existing data.

The Consultant shall provide the following basic services regarding the Project:

A. Sanitary Sewer Industrial User Study

The Consultant shall perform an Industrial user study within the collection system Included as part of this task is:

- a. Create mailing list based on user data from City
- b. Create Industrial Waste Survey form on City Letter Head based off Iowa DNR and/or EPA requirements.
- c. Coordinate with users to complete form accurately.
- d. Review of survey data to determine if additional field research, flow metering, and/or sampling is necessary.
- e. Development of a technical memorandum to document identify character and volume of pollutants and determine potential mitigation measures, i.e. pretreatment requirements.
- f. Additional field research, flow metering, and/or sampling is not included as part of this scope of services.

In consideration for these services, the City agrees to increase the compensation for services performed by the Consultant. These fees are based on the standard hourly rates of the Consultant's personnel engaged in the performance of the services, plus direct out-of-pocket costs for expenses incurred by personnel who are engaged in the work and other direct costs. The total Hourly Not-to-Exceed fees for the professional engineering services as described in this amendment are as follows:

I. Basic Services of the Consultant

A. Sanitary Sewer Industrial User Study	\$ <u>20,000.00</u>
Total	\$ 20,000.00

THIS AMENDMENT is subject to all provisions of the original Agreement.

THIS AMENDMENT, together with the original Agreement represents the entire and integrated AGREEMENT between the City and Engineer.

THIS AMENDMENT executed the day and year written above.

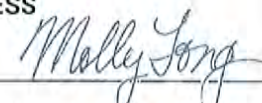
FOTH INFRASTRUCTURE AND ENVIRONMENT, LLC.

CITY OF GRIMES, IOWA

By: 
Joshua C. DeBower, Local Municipal Lead

By: _____
Scott Mikkelsen, Mayor

WITNESS

By: 
Molly D. Long, State Municipal Lead

ATTEST

By: _____
Rochelle Williams, City Clerk



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

Item No. X
For Meeting of June 14, 2022

AGENDA HEADING: SE Trail Ridge Road Water Main – MSA Professional Services, Inc. Professional Services Agreement Amendment for engineering construction services.

SYNOPSIS: The SE Trail Ridge Road Water Main project was recently bid and the construction contract awarded, which moved the project from the design phase to the construction phase. The PSA with MSA Professional Services, Inc. (MSA) was setup to add the engineering services required during construction after award of the construction contract. MSA will be providing the following engineering construction services: construction administration, staking, and post construction items. The construction schedule is to hold the preconstruction meeting on June 9th with construction starting on June 13th and project substantial and final completion this fall.

It is also worth noting that the new staff engineer will be handling the construction observation duties for this project, which will be saving the city money by reducing consultant fees during the construction phase of this project. This will also allow the staff to be more directly involved in a project like this in an existing area of town.

FISCAL IMPACT: The total fee proposed for the construction engineering services is \$30,345, which is about a 4.8% fee compared to the estimated project construction costs. Following our review, this appears to be a reasonable fee for this work.

PREVIOUS COUNCIL ACTION(S): Approval of PSA with MSA, Setting dates for bid letting & public hearing; held public hearing; adopting plans, specifications, form of contract & estimate of costs; construction contract award; and authorizing construction contract & bonds.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff has reviewed this Professional Services Agreement Amendment and recommends approval by the City Council.



Amendment No. 1

To: City of Grimes
Scott Mikkelsen
101 NE Harvey Street
Grimes, IA 50111

Date of Issuance: June 14, 2022
MSA Project No: 09410013
Grimes Finance Project Number:
352-810-6407

This is an amendment to the Agreement dated January 25, 2022 by and between the CITY OF GRIMES (OWNER) AND MSA PROFESSIONAL SERVICES, INC. (MSA) and acknowledges that MSA is authorized to begin work on the following project amendment:

Project Name: Trail Ridge Water Main

The scope of the work authorized is:

See Attached

The Total Cost Not to Exceed for Amendment 1 – Trail Ridge Water Main Construction Services is: \$30,345.00

Authorization for the work described above shall amend the Agreement between MSA and OWNER. Any attachments or exhibits referenced in this Amendment are made part of the Agreement. Payment for these services will be on a time and materials basis.

Approval: MSA shall commence work on this project in accordance with your written authorization. This authorization is acknowledged by signature of the authorized representatives of the parties to this Amendment. A copy of this Amendment signed by the authorized representatives shall be returned for our files. If a signed copy of this Authorization is not received by MSA within seven days from the date of issuance, MSA may stop work on the project.

CITY OF GRIMES

MSA PROFESSIONAL SERVICES, INC.

A handwritten signature in blue ink that reads "Nichole Sungren".

Scott Mikkelsen

Mayor

Date: _____

Phone: (515) 986-3036

Nichole Sungren, P.E.

Team Leader

Date: June 14, 2022

Attachment 1 - Scope of Services
Trail Ridge Water Main
Construction Services

Amendment 1 – Construction Phase Services

1. *Neighborhood Meeting* \$1,730.00
 - a. Attendance of meeting by two (2) MSA employees.
 - b. Preparation of meeting exhibits and plans.
 - c. Travel to and from meeting.

2. *Construction Administration Phase* \$18,965.00
 - a. Meet with the Owner to determine project construction requirements, provide periodic updates of the project progress, and discuss any relevant issues concerning the project.
 - b. Conduct a preconstruction conference with all interested parties in-person;
 - i. Set up meeting and distribute electronic meeting invitation
 - ii. Prepare and distribute minutes and agenda
 - c. Receive and review any and all schedules that contractor has submitted, including progress schedule and schedule of Values.
 - d. Review and approve shop drawings, samples and other construction related materials;
 - e. Recommend Change orders to Owner as appropriate and prepare same.
 - f. Preparation of weekly working day reports.
 - g. Provide one copy of all Contractor Submittals to Owner
 - h. Attend bi-weekly (every 2 weeks) construction meetings. An assumption of fifteen (15) onsite meetings is with this scope.
 - i. Prepare, review and recommend contractor's application for payment on OWNER standard form;
 - j. Onsite engineering site visits by project manager have been estimated to be 8 hours and by project engineer have been estimated to be 40 hours during project construction for any questions from the Contractor or City inspector.
 - k. Attend and prepare project punchlist upon project substantial completion
 - i. It is assumed that the Engineer will prepare a total of two (2) punchlists
 - l. Attend punchlist walkthrough with City, Engineer and Contractor
 - i. It is assumed that two (2) walkthrough meetings will take place onsite
 - m. Prepare project close out documents, including punch list of noncompliant construction features and owners' certificate of completion.
 - n. Perform internal quality review to assure compliance with OWNER's intent.
 - o. Coordinate internal Staff to assure compliance with OWNER's intent
 - p. Prepare Project Correspondence.
 - q. Prepare and submit invoices. Invoices shall be submitted monthly and are payable within 30 days of receipt.

3. *Construction Staking Phase* \$8,250.00
 - a. Provide onsite construction staking to meet the requirements of SUDAS section 11,010 – Construction Survey.
 - b. Engineer shall provide one set of stakes for each of the following:
 - i. Water Main
 1. Includes sidewalk and ADA ramps
 - c. An assumption of three (3) site visits for site staking has been assumed in this scope. Any additional staking requirements by the Contractor due to staging will at the Contractor's expense. Any stakes that need to be replaced due to the Contractor's negligence, will be at the Contractor's expense.

Attachment 1 - Scope of Services

Trail Ridge Water Main
Construction Services

4. *Post-Construction Phase* \$1,400.00
- a. Prepare and provide OWNER as-built drawings for the proposed improvements. As-built information shall include the following:
- i. Tabular text file of existing infrastructure collected during the completion of topographic survey for the project.
 - ii. CAD file in AutoCAD format.
 - iii. Tabular text file of utility data collected during construction
 - iv. One (1) half-size (11x17) paper set of the post-construction record drawings.
 - v. One (1) half-size (11x17) PDF set of the post-construction record drawings.

Items Not Included in Amendment #1 Services

1. **Additional Meetings**

Attendance at any such meetings that are not specifically addressed above shall be considered above and beyond the scope of services as identified herein.

2. **Additional Site Visits**

Additional site visits to review project progress or to review contractor punchlist progress that are not specifically addressed above shall be considered above and beyond the scope of services as identified herein.

3. **Additional Stakes**

Additional stakes, due to the Contractor's negligence, will be at the Contractor's expense. The Engineer will notify the City, in writing (email) of the staking needs prior to staking in the field.

Fee Summary:

The Owner will compensate MSA for the Scope of Services listed above as follows:

Total Construction Services (Hourly Not to Exceed)	\$30,345.00
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ATTACHMENT A: RATE SCHEDULE

<u>CLASSIFICATION</u>	<u>LABOR RATE</u>
Administrative	\$ 80 – \$140/hr.
Architects	\$ 65 – \$190/hr.
Community Development Specialists	\$125 – \$150/hr.
Digital Design	\$150 – \$170/hr.
Environmental Scientists/Hydrogeologists	\$100 – \$150/hr.
Geographic Information Systems (GIS)	\$ 80 – \$170/hr.
Housing Administration	\$ 80 – \$140/hr.
Inspectors/Zoning Administrators	\$ 95 – \$120/hr.
IT Support	\$150 – \$170/hr.
Land Surveying	\$ 85 – \$170/hr.
Landscape Designers & Architects	\$ 85 – \$190/hr.
Municipal Advisor	\$150 – \$190/hr.
Planners	\$ 90 – \$150/hr.
Principals	\$170 – \$300/hr.
Professional Engineers/Designers of Engineering Systems	\$130 – \$170/hr.
Project Managers	\$135 – \$230/hr.
Real Estate Professionals	\$120 – \$130/hr.
Staff Engineers	\$ 65 – \$120/hr.
Technicians	\$ 85 – \$130/hr.
Wastewater Treatment Plant Operator	\$ 75 – \$ 90/hr.

REIMBURSABLE EXPENSES

Copies/Prints	Rate based on volume
Specs/Reports	\$10
Copies	\$0.20/page
Plots	\$0.015/sq.in.
Flash Drive	\$10
GPS Equipment	\$30/hour
Laser Level	\$10/per day
Mailing/UPS	At cost
Mileage – Reimbursement	IRS Rate
Mileage – MSA Vehicle	\$0.70 mile
Nuclear Density Testing	\$25.00/day + \$10/test
Organic Vapor Field Meter	\$100/day
PC/CADD Machine	Included in labor rates
Robotic Survey Equipment	\$40/hour
Stakes/Lath/Rods	At cost
Travel Expenses, Lodging, & Meals	At cost
Traffic Counting Equipment & Data Processing	At cost
Geodimeter	\$30/hour
Drone Flight	\$390/flight

Labor rates represent an average or range for a particular job classification. These rates are in effect until December 31, 2022.

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.



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

Item No. X
For Meeting of June 14, 2022

AGENDA HEADING: SE Jacob Street Reconstruction and Storm Sewer – MSA Professional Services, Inc. Professional Services Agreement Amendment for engineering construction services.

SYNOPSIS: The SE Jacob Street Reconstruction and Storm Sewer project was recently bid and the construction contract awarded, which moved the project from the design phase to the construction phase. The PSA with MSA Professional Services, Inc. (MSA) was setup to add the engineering services required during construction after award of the construction contract. MSA will be providing the following engineering construction services: construction administration, staking, observation and post construction items. The construction schedule is to hold the preconstruction meeting in June with construction starting around the first week of July and project substantial completion this fall with final completion for restoration either this fall or next the spring.

FISCAL IMPACT: The total fee proposed for the construction engineering services is \$113,190, which is about an 8.3% fee compared to the estimated project construction costs. Following our review, this appears to be a reasonable fee for this work.

PREVIOUS COUNCIL ACTION(S): Approval of PSA with MSA, Setting dates for bid letting & public hearing; held public hearing; adopting plans, specifications, form of contract & estimate of costs; construction contract award; and authorizing construction contract & bonds.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff has reviewed this Professional Services Agreement Amendment and recommends approval by the City Council.



Amendment No. 1

To: City of Grimes
Scott Mikkelsen
101 NE Harvey Street
Grimes, IA 50111

Date of Issuance: June 14, 2022
MSA Project No: 09410014
Grimes Finance Project Number:
366-210-6407

This is an amendment to the Agreement dated January 11, 2022 by and between the CITY OF GRIMES (OWNER) AND MSA PROFESSIONAL SERVICES, INC. (MSA) and acknowledges that MSA is authorized to begin work on the following project amendment:

Project Name: Jacob Street Reconstruction

The scope of the work authorized is: See Attached

The Total Cost Not to Exceed for Amendment 1 – Jacob Street Reconstruction Construction Services is: \$113,190.00

Authorization for the work described above shall amend the Agreement between MSA and OWNER. Any attachments or exhibits referenced in this Amendment are made part of the Agreement. Payment for these services will be on a time and materials basis.

Approval: MSA shall commence work on this project in accordance with your written authorization. This authorization is acknowledged by signature of the authorized representatives of the parties to this Amendment. A copy of this Amendment signed by the authorized representatives shall be returned for our files. If a signed copy of this Authorization is not received by MSA within seven days from the date of issuance, MSA may stop work on the project.

CITY OF GRIMES

MSA PROFESSIONAL SERVICES, INC.

Scott Mikkelsen

Mayor

Date: _____

Phone: (515) 986-3036

Handwritten signature of Nichole Sungren in blue ink.

Nichole Sungren, P.E.

Team Leader

Date: June 14, 2022

Handwritten signature of Jake Huck in blue ink.

Jake Huck, P.E.

Regional Public Works Manager

Date: June 14, 2022

Attachment 1 - Scope of Services
Jacob Street Reconstruction
Construction Services

Amendment 1 – Construction Phase Services

1. *Neighborhood Meeting* \$1,930.00
 - a. Attendance of meeting by two (2) MSA employees.
 - b. Preparation of meeting exhibits and plans.
 - c. Travel to and from meeting.

2. *Construction Administration Phase* \$17,920.00
 - a. Meet with the Owner to determine project construction requirements, provide periodic updates of the project progress, and discuss any relevant issues concerning the project.
 - b. Conduct a preconstruction conference with all interested parties in-person;
 - i. Set up meeting and distribute electronic meeting invitation
 - ii. Prepare and distribute minutes and agenda
 - c. Receive and review any and all schedules that contractor has submitted, including progress schedule and schedule of Values.
 - d. Review and approve shop drawings, samples and other construction related materials;
 - e. Recommend Change orders to Owner as appropriate and prepare same.
 - f. Preparation of daily construction logs and weekly working day reports.
 - g. Provide one copy of all Contractor Submittals to Owner
 - h. Attend weekly construction meetings. An assumption of sixteen (16) onsite meetings is with this scope.
 - i. Prepare, review and recommend contractor's application for payment on OWNER standard form;
 - j. Attend and prepare project punchlist upon project substantial completion
 - i. It is assumed that the Engineer will prepare a total of two (2) punchlists
 - k. Attend punchlist walkthrough with City, Engineer and Contractor
 - i. It is assumed that one (1) walkthrough meetings will take place onsite
 - l. Prepare project close out documents, including punch list of noncompliant construction features and owners' certificate of completion.
 - m. Perform internal quality review to assure compliance with OWNER's intent.
 - n. Coordinate internal Staff to assure compliance with OWNER's intent
 - o. Prepare Project Correspondence.
 - p. Prepare and submit invoices. Invoices shall be submitted monthly and are payable within 30 days of receipt.

3. *Construction Staking Phase* \$17,230.00
 - a. Provide onsite construction staking to meet the requirements of SUDAS section 11,010 – Construction Survey.
 - b. Engineer shall provide one set of stakes for each of the following:
 - i. Storm Sewer (excluding Phase 4)
 - ii. Pavement (all 4 Phases)
 1. Includes sidewalk and ADA ramps
 - c. An assumption of seven (7) site visits, one for each phase, including one for curb and storm sewer for each phase, for site staking has been assumed in this scope. Any additional staking requirements by the Contractor due to staging will at the Contractor's expense. Any stakes that need to be replaced due to the Contractor's negligence, will be at the Contractor's expense.

Attachment 1 - Scope of Services

Jacob Street Reconstruction

Construction Services

4. *Construction Observation Phase* \$74,950.00
 - a. Provide on-site observation to determine the amount, quality, acceptability, and fitness of the work, materials and equipment, which are to be paid for under the contract, and to reject or condemn work, material or equipment which does not conform to the terms of the contract.
 - i. Onsite (Full Time (8 hr) – 80 Working Days) observations have been assumed to be performed for 640 hours during critical operations construction (i.e. paving, utilities, etc.) by the on-site observer. This includes travel time for the observer.
 - ii. Onsite (1/4 (2hr) – 10 Working Days) observations have been assumed to be performed for 10 hours during final completion activities, including punchlist walkthrough, by the on-site observer.
 - iii. Onsite engineering observation by project manager have been estimated to be 40 hours during project construction.
 1. Authority of the Engineer shall be as detailed in SUDAS Section 1050 Part 1.01
 2. Authority and Duties of the Engineer's Authorized Representative (RPR) shall be as detailed in SUDAS Section 1050 Part 1.02
 - iv. Defective work: Reject work if, on the basis of observations, engineer believes that either such work is defective under the standards of the contract documents or will not produce a completed project that conforms to the contract documents.
 - b. Conduct periodic onsite meetings with Contractor to assist in the coordination of the work.
5. *Post-Construction Phase* \$1,160.00
 - a. Prepare and provide OWNER as-built drawings for the proposed improvements. As-built information shall include the following:
 - i. Tabular text file of existing infrastructure collected during the completion of topographic survey for the project.
 - ii. CAD file in AutoCAD format.
 - iii. Tabular text file of utility data collected during construction
 - iv. One (1) half-size (11x17) paper set of the post-construction record drawings.
 - v. One (1) half-size (11x17) PDF set of the post-construction record drawings.

Items Not Included in Amendment #1 Services

1. Additional Meetings

Attendance at any such meetings that are not specifically addressed above shall be considered above and beyond the scope of services as identified herein.

2. Additional Site Visits

Additional site visits to review project progress or to review contractor punchlist progress that are not specifically addressed above shall be considered above and beyond the scope of services as identified herein.

3. Additional Stakes

Additional stakes, due to the Contractor's negligence, will be at the Contractor's expense. The Engineer will notify the City, in writing (email) of the staking needs prior to staking in the field.

4. Additional Construction Observation Services

Working days will be charged for Sundays and recognized legal holidays the Contractor does work and will be included in the assumed contract construction observation fee. Working days

Attachment 1 - Scope of Services

Jacob Street Reconstruction

Construction Services

will not be charged for Saturdays that the Contractor does work, unless a mandatory six-day workweek is specified in the contract documents. If the Contractor chooses to work Saturdays, the Owner will be notified at the next weekly construction meeting and the number of Saturdays worked will be monitored. If in the event the number of construction observation hours exceeds the assumed contract hours due to Contractor's Saturday work, this will result in a contract amendment.

Construction observation hours based on assumptions made per Section 3.a.i. of this contract. If in the event the number of construction observation hours has the potential to exceed the assumed contract hours, the Engineer will notify the Owner prior to this occurring and will request a contract amendment to proceed.

Fee Summary:

The Owner will compensate MSA for the Scope of Services listed above as follows:

Total Construction Services (Hourly Not to Exceed)	\$113,190.00
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ATTACHMENT A: RATE SCHEDULE

<u>CLASSIFICATION</u>	<u>LABOR RATE</u>
Administrative	\$ 80 – \$140/hr.
Architects	\$ 65 – \$190/hr.
Community Development Specialists	\$125 – \$150/hr.
Digital Design	\$150 – \$170/hr.
Environmental Scientists/Hydrogeologists	\$100 – \$150/hr.
Geographic Information Systems (GIS)	\$ 80 – \$170/hr.
Housing Administration	\$ 80 – \$140/hr.
Inspectors/Zoning Administrators	\$ 95 – \$120/hr.
IT Support	\$150 – \$170/hr.
Land Surveying	\$ 85 – \$170/hr.
Landscape Designers & Architects	\$ 85 – \$190/hr.
Municipal Advisor	\$150 – \$190/hr.
Planners	\$ 90 – \$150/hr.
Principals	\$170 – \$300/hr.
Professional Engineers/Designers of Engineering Systems	\$130 – \$170/hr.
Project Managers	\$135 – \$230/hr.
Real Estate Professionals	\$120 – \$130/hr.
Staff Engineers	\$ 65 – \$120/hr.
Technicians	\$ 85 – \$130/hr.
Wastewater Treatment Plant Operator	\$ 75 – \$ 90/hr.

REIMBURSABLE EXPENSES

Copies/Prints	Rate based on volume
Specs/Reports	\$10
Copies	\$0.20/page
Plots	\$0.015/sq.in.
Flash Drive	\$10
GPS Equipment	\$30/hour
Laser Level	\$10/per day
Mailing/UPS	At cost
Mileage – Reimbursement	IRS Rate
Mileage – MSA Vehicle	\$0.70 mile
Nuclear Density Testing	\$25.00/day + \$10/test
Organic Vapor Field Meter	\$100/day
PC/CADD Machine	Included in labor rates
Robotic Survey Equipment	\$40/hour
Stakes/Lath/Rods	At cost
Travel Expenses, Lodging, & Meals	At cost
Traffic Counting Equipment & Data Processing	At cost
Geodimeter	\$30/hour
Drone Flight	\$390/flight

Labor rates represent an average or range for a particular job classification. These rates are in effect until December 31, 2022.

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.

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



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 14, 2022 **PAYMENT REQUEST #** 42
PAYMENT PERIOD: From: April 17, 2022 Through: May 21, 2022

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:	\$	687,449.36	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	687,449.36	
Less previous applications for payment:	\$	648,340.92	
SUBTOTAL	\$		39,108.44

OTHER CHARGES (Attach an Itemized list) \$ -

CURRENT PAYMENT DUE \$ 39,108.44

Balance to finish, including retainage: \$ 820,550.64

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

City of Grimes Staff Approval:

Signature

Date

City of Grimes Council Approval:

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

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
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TOTAL \$ 648,340.92

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
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TOTAL \$ 626,000.00

Contract Time Remaining

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

**VEENSTRA
& KIMM INC.**
STATEMENT OF PROFESSIONAL SERVICES

REC'D JUN 06 2022

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

May 27, 2022
Project No: 128108
Invoice No: 5

Project Manager H. Veenstra Jr.

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

Professional Services from April 17, 2022 to May 21, 2022

Professional Personnel

	Hours	Rate	Amount	
Management I	6.00	186.00	1,116.00	
Clerical II	2.00	70.00	140.00	
Clerical III	6.00	60.00	360.00	
Engineer I-D	7.50	160.00	1,200.00	
Engineer III-B	12.00	128.00	1,536.00	
Engineer V	148.00	113.00	16,724.00	
Engineer X	1.00	83.00	83.00	
Drafter IA	4.50	107.00	481.50	
Drafter II	13.50	94.00	1,269.00	
Surveyor I	3.00	127.00	381.00	
Technician I	18.00	93.00	1,674.00	
Technician II	4.00	86.00	344.00	
Technician III	154.00	79.00	12,166.00	
Technician IV	4.00	77.00	308.00	
Totals	383.50		37,782.50	
Total Labor				37,782.50

Unit Billing

Mileage	61.43	
Mileage	820.76	
Mileage	40.37	
Robotics	390.00	
Duplication	13.38	
Total Units	1,325.94	1,325.94

Billing Limits

	Current	Prior	To-Date
Total Billings	39,108.44	75,340.92	114,449.36
Limit			900,000.00
Remaining			785,550.64

Total this Invoice \$39,108.44

Project	128108	WRA Connector - Phase 2 - CS	Invoice	5
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Billings to Date

	Current	Prior	Total
Labor	37,782.50	71,910.00	109,692.50
Expense	0.00	1,206.23	1,206.23
Unit	1,325.94	2,224.69	3,550.63
Totals	39,108.44	75,340.92	114,449.36

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: SE Jacob St. and SE Trail Ridge Rd. Water Main Design and Bidding Services
Contractor: MSA Professional Services, Inc.
Address: 1555 SE Delaware Avenue, Suite F Ankeny, IA 50021
Finance Budget Code: 352-810-6407 **Finance Project #** _____
Vendor Project or Invoice #: _____ **PO #** _____
Original Contract Date: March 23, 2021 **Vendor #** 3134

Date of Council Meeting: June 14 April 12, 2022 **PAYMENT REQUEST #** 11
PAYMENT PERIOD: From: March 20, 2022 Through: May 27, 2022

Contract Summary

Original Contract Amount:	\$	85,040.00	
Net change by Change Orders:	\$	78,810.00	
Contract Amount to Date: (line 1 ± 2)	\$		163,850.00
Total completed and stored to date:	\$	160,865.64	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$		160,865.64
Less previous applications for payment:	\$		156,587.84
SUBTOTAL			\$ 4,277.80

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ **4,277.80**

Balance to finish, including retainage: \$ 2,984.36

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:

Firm Name MSA Professional Services, Inc.

Signature Nichole Sungen Date 03/29/2022
 Signature _____ Date _____

City of Grimes Staff Approval:

Signature Matt Ahrens Date 6-8-22
 Signature _____ Date _____

City of Grimes Council Approval:

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

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	May 11, 2021	\$ 26,691.94
2	June 8, 2021	\$ 23,769.70
3	July 13, 2021	\$ 13,654.00
4	September 14, 2021	\$ 12,510.00
5	September 28, 2021	\$ 5,430.00
6	October 26, 2021	\$ 8,658.10
7	November 23, 2021	\$ 22,418.30
8	January 11, 2022	\$ 29,816.10
9	February 8, 2022	\$ 7,223.00
10	April 12, 2022	\$ 6,416.70
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Previous Applications for Payment

No.	Date	Amount
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TOTAL \$ 156,587.84

Record of Change Orders

No.	Date	Amount
1	September 14, 2021	\$ 78,810.00
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TOTAL \$ 78,810.00

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	March 23, 2021
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-



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

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

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

June 2, 2022
Invoice No: R09410008.0 - 6

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

AMOUNT DUE THIS INVOICE: \$4,277.80

Project R09410008.0 Grimes IA SE Jacob Water Main CRS
Professional Services from March 20, 2022 to May 28, 2022

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Construction Admin	13,130.00	100.00	13,130.00	12,342.20	787.80
Construction Staking	8,260.00	100.00	8,260.00	8,260.00	0.00
Constr. Observation	56,300.00	100.00	56,300.00	52,922.00	3,378.00
Post Construction	1,120.00	100.00	1,120.00	1,008.00	112.00
Total Fee	78,810.00		78,810.00	74,532.20	4,277.80
Total Fee					4,277.80
AMOUNT DUE THIS INVOICE:					\$4,277.80

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



Project Title: North Sports Complex Parking Lot Improvements
Contractor: MSA Professional Services, Inc.
Address: 1555 SE Delaware Avenue, Suite F Ankeny, IA 50021
Finance Budget Code: 347-431-6407 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: May 11, 2021 **Vendor #** 3134

Date of Council Meeting: June 14, 2022 **PAYMENT REQUEST #** 10
PAYMENT PERIOD: From: March 20, 2022 Through: May 27, 2022

Contract Summary

Original Contract Amount:	\$	45,950.00	
Net change by Change Orders:	\$	33,930.00	
Contract Amount to Date: (line 1 ± 2)	\$	79,880.00	
Total completed and stored to date:	\$	79,641.00	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	79,641.00	
Less previous applications for payment:	\$	79,224.10	
SUBTOTAL	\$	416.90	

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ 416.90

Balance to finish, including retainage: \$ 239.00

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

Signature Date

City of Grimes Staff Approval:

Signature Date

City of Grimes Council Approval:

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

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	June 8, 2021	\$ 2,350.00
2	July 13, 2021	\$ 16,230.00
3	September 14, 2021	\$ 19,385.00
4	September 28, 2021	\$ 7,985.00
5	October 26, 2021	\$ 18,038.40
6	November 23, 2021	\$ 9,241.10
7	January 11, 2022	\$ 5,007.50
8	February 8, 2022	\$ 435.80
9	April 12, 2022	\$ 551.30
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Previous Applications for Payment

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TOTAL \$ 79,224.10

Record of Change Orders

No.	Date	Amount
1	September 14, 2021	\$ 30,930.00
2	October 26, 2021	\$ 3,000.00
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TOTAL \$ 33,930.00

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	May 11, 2021
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-



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

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

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

June 2, 2022
Invoice No: R09410010.0 - 6

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

AMOUNT DUE THIS INVOICE: \$416.90

Project R09410010.0 Grimes IA NS Parking Lot CRS
Professional Services from March 20, 2022 to May 28, 2022

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Construction Admin	10,590.00	99.00	10,484.10	10,378.20	105.90
Construction Staking	8,150.00	100.00	8,150.00	8,150.00	0.00
Constr. Observation	11,070.00	99.00	10,959.30	10,737.90	221.40
Post Construction	1,120.00	98.00	1,097.60	1,008.00	89.60
Parking Lot Revisions	3,000.00	100.00	3,000.00	3,000.00	0.00
Total Fee	33,930.00		33,691.00	33,274.10	416.90
Total Fee					416.90
AMOUNT DUE THIS INVOICE:					\$416.90

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

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APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: SE Trail Ridge Rd. Water Main Design and Bidding Services
Contractor: MSA Professional Services, Inc.
Address: 1555 SE Delaware Avenue, Suite F Ankeny, IA 50021
Finance Budget Code: 352-810-6407 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: January 25, 2022 **Vendor #** 3134

Date of Council Meeting: June 14, 2022 **PAYMENT REQUEST #** 2
PAYMENT PERIOD: From: March 20, 2022 Through: May 27, 2022

Contract Summary

Original Contract Amount:	\$	32,150.00	
Net change by Change Orders:	\$	-	
Contract Amount to Date: (line 1 ± 2)	\$	32,150.00	
Total completed and stored to date:	\$	32,150.00	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	32,150.00	
Less previous applications for payment:	\$	22,120.00	
SUBTOTAL	\$		10,030.00

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ 10,030.00

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

Signature Date

City of Grimes Staff Approval:

Signature Date

City of Grimes Council Approval:

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

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	April 12, 2022	\$ 22,120.00
2		
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Previous Applications for Payment

No.	Date	Amount
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TOTAL \$ 22,120.00

Record of Change Orders

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TOTAL \$ -

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	January 25, 2022
Original Contract Time:	
Added by Change Order:	
Contract Time to Date:	-
Time Used to Date:	
Contract Time Remaining:	-



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

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

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

June 2, 2022

Invoice No: R09410011.0 - 2

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

AMOUNT DUE THIS INVOICE: \$10,030.00

Project R09410011.0 Grimes IA Trailridge Watermain Final Design and Bidding

Professional Services from March 20, 2022 to May 28, 2022

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Final Design	21,700.00	100.00	21,700.00	17,360.00	4,340.00
Bidding	4,500.00	100.00	4,500.00	0.00	4,500.00
Project Admin	5,950.00	100.00	5,950.00	4,760.00	1,190.00
Total Fee	32,150.00		32,150.00	22,120.00	10,030.00
Total Fee					10,030.00
AMOUNT DUE THIS INVOICE:					\$10,030.00

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.

366-210-6407
APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: SE Jacob St. and Reconstruction and Storm Sewer Design and Bidding Services
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 14, 2022 **PAYMENT REQUEST #** 2
PAYMENT PERIOD: From: March 20, 2022 Through: May 27, 2022

Contract Summary

Original Contract Amount:	\$	78,600.00	
Net change by Change Orders:	\$	-	
Contract Amount to Date: (line 1 ± 2)	\$	78,600.00	
Total completed and stored to date:	\$	78,600.00	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	78,600.00	
Less previous applications for payment:	\$	71,600.00	
SUBTOTAL	\$		7,000.00

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ 7,000.00

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

Signature

6/1/2022

Signature Date

City of Grimes Staff Approval:

Signature

6-8-22

Signature Date

City of Grimes Council Approval:

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

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	April 12, 2022	\$ 71,600.00
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Previous Applications for Payment

No.	Date	Amount
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TOTAL \$ 71,600.00

Record of Change Orders

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TOTAL \$ -

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:	-



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

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

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

June 2, 2022
Invoice No: R09410012.0 - 2

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

AMOUNT DUE THIS INVOICE: \$7,000.00

Project R09410012.0 Grimes IA Jacob St. Reconstruction and Stormwater
Professional Services from March 20, 2022 to May 28, 2022

Description	Contract Amount	Percent Complete	Amount Earned	Previous Invoices	This Invoice
Mapping/Utility Review	2,000.00	100.00	2,000.00	2,000.00	0.00
Stormwater Review	5,000.00	100.00	5,000.00	5,000.00	0.00
Prelim Design	42,100.00	100.00	42,100.00	42,100.00	0.00
Final Design	15,000.00	100.00	15,000.00	13,500.00	1,500.00
Bidding	4,500.00	100.00	4,500.00	0.00	4,500.00
Project Admin	10,000.00	100.00	10,000.00	9,000.00	1,000.00
Total Fee	78,600.00		78,600.00	71,600.00	7,000.00
Total Fee					7,000.00
AMOUNT DUE THIS INVOICE:					<u><u>\$7,000.00</u></u>

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

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APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



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 #: 287614 **PO #**
Original Contract Date: October 22, 2019 **Vendor #** 2820

Date of Council Meeting: June 14, 2022 **PAYMENT REQUEST #** 28
PAYMENT PERIOD: From: April 23, 2022 Through: May 31, 2022

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:	\$	297,636.30	
Retainage: 0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	297,636.30	
Less previous applications for payment:	\$	294,327.30	
SUBTOTAL	\$	3,309.00	

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ 3,309.00

Balance to finish, including retainage: \$ 162,558.70

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 Date

City of Grimes Staff Approval:

Signature Date

City of Grimes Council Approval:

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

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	January 14, 2020	\$ 1,730.00
2	February 11, 2020	\$ 6,434.90
3	April 14, 2020	\$ 1,627.00
4	April 14, 2020	\$ 2,195.00
5	June 9, 2020	\$ 7,097.50
6	July 14, 2020	\$ 6,792.50
7	August 11, 2020	\$ 11,325.00
8	September 8, 2020	\$ 17,430.00
9	October 13, 2020	\$ 4,815.00
10	November 10, 2020	\$ 1,022.50
11	December 8, 2020	\$ 2,969.50
12	January 12, 2021	\$ 4,537.00
13	February 9, 2021	\$ 2,785.00
14	March 9, 2021	\$ 10,517.00
15	April 13, 2021	\$ 10,831.50
16	May 11, 2021	\$ 5,594.00
17	June 8, 2021	\$ 30,291.00
18	July 13, 2021	\$ 21,853.00
19	August 10, 2021	\$ 10,243.50
20	September 28, 2021	\$ 24,038.50
21	October 12, 2021	\$ 19,020.20
22	November 9, 2021	\$ 30,974.50
23	January 25, 2022	\$ 24,122.70
24	February 22, 2022	\$ 7,235.00
25	March 22, 2022	\$ 8,550.50
26	April 26, 2022	\$ 11,792.50
27	May 10, 2022	\$ 8,502.50
28		
29		
30		
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Previous Applications for Payment

No.	Date	Amount
36		
37		
38		
39		
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41		
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70		

TOTAL \$ 294,327.30

Record of Change Orders

No.	Date	Amount
1	May 11, 2021	\$ 174,195.00
2		
3		
4		
5		
6		
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8		
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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:	-



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 31, 2022
 Project No: A13.120005
 Invoice No: 0290356
 Client Account: GRIMES_CI_IA

Grimes/Highway 44 & SW Co Line Road

Highway 44 & SW County Line Road Intersection Improvements

Consultant Services (001)

Professional Services

	Hours	Amount	
Principal	15.00	2,580.00	
Administrative	.50	39.00	
Project Engineer	3.50	532.00	
Totals	19.00	3,151.00	
Total Labor			3,151.00
Total this Task			\$3,151.00

Construction Services (002)

Professional Services

	Hours	Amount	
Project Manager	1.00	158.00	
Totals	1.00	158.00	
Total Labor			158.00
Total this Task			\$158.00
Total this Invoice			\$3,309.00

Whitfied Invoices

Time Period	Project	Invoice #	Amount
February 28, 2022	Fire	292306	\$ 564.00
April 30, 2022	Fire	295550	\$ 282.00
January 28, 2022	General	292308	\$ 6,368.50
March 31, 2022	General	294205	\$ 13,700.50
April 30, 2022	General	295551	\$ 20,146.00
February 28, 2022	WRA	292309	\$ 916.50
March 31, 2022	WRA	294206	\$ 775.50
April 30, 2022	WRA	295552	\$ 2,353.36
February 28, 2022	Greystone	292307	\$ 211.50
			\$ 45,317.86



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

March 14, 2022

City of Grimes, Iowa
Grimes City Hall
P. O. Box 457
Grimes, IA 50111

Invoice: 292308
Client: 176170
Matter: 0101
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through February 28, 2022

RE: City Of Grimes - General

Total Professional Services	\$ 6,368.50
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 6,368.50



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

April 28, 2022

City of Grimes, Iowa
Grimes City Hall
P. O. Box 457
Grimes, IA 50111

Invoice: 294205
Client: 176170
Matter: 0101
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through March 31, 2022

RE: City Of Grimes - General

Total Professional Services	\$ 13,700.50
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 13,700.50
Outstanding Balance	<u>\$ 6,368.50</u>
TOTAL BALANCE DUE	<u>\$ 20,069.00</u>



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

May 31, 2022

City of Grimes, Iowa
Grimes City Hall
P. O. Box 457
Grimes, IA 50111

Invoice: 295551
Client: 176170
Matter: 0101
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through April 30, 2022

RE: City Of Grimes - General

Total Professional Services	\$ 20,146.00
Total Costs	<u> \$.00</u>
TOTAL CURRENT INVOICE	\$ 20,146.00
Outstanding Balance	<u> \$ 20,069.00</u>
TOTAL BALANCE DUE	<u> \$ 40,215.00</u>



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

May 31, 2022

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

Invoice: 295552
Client: 176170
Matter: 0882
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through April 30, 2022

RE: WRA Sewer Project-Sewer Project

Total Professional Services	\$ 2,119.50
Total Costs	<u>\$ 233.86</u>
TOTAL CURRENT INVOICE	\$ 2,353.36
Outstanding Balance	<u>\$ 1,692.00</u>
TOTAL BALANCE DUE	<u>\$ 4,045.36</u>



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

March 14, 2022

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

Invoice: 292309
Client: 176170
Matter: 0882
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through February 28, 2022

RE: WRA Sewer Project-Sewer Project

Total Professional Services	\$ 916.50
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 916.50



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

April 28, 2022

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

Invoice: 294206
Client: 176170
Matter: 0882
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through March 31, 2022

RE: WRA Sewer Project-Sewer Project

Total Professional Services	\$ 775.50
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 775.50
Outstanding Balance	<u>\$ 916.50</u>
TOTAL BALANCE DUE	<u>\$ 1,692.00</u>



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

March 14, 2022

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

Invoice: 292306
Client: 176170
Matter: 0002
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through February 28, 2022

RE: Firefighter Employment Investigation

Total Professional Services	\$ 564.00
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 564.00



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

May 31, 2022

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

Invoice: 295550
Client: 176170
Matter: 0002
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through April 30, 2022

RE: Firefighter Employment Investigation

Total Professional Services	\$ 282.00
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 282.00
Outstanding Balance	<u>\$ 564.00</u>
TOTAL BALANCE DUE	<u>\$ 846.00</u>



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

March 14, 2022

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

Invoice: 292307
Client: 176170
Matter: 0003
Billing Attorney: TIH

INVOICE SUMMARY

For Professional Services Rendered through February 28, 2022

RE: Graystone Companies, LLC

Total Professional Services	\$ 211.50
Total Costs	<u>\$.00</u>
TOTAL CURRENT INVOICE	\$ 211.50

1250 SW State Street, Suite A
Ankeny, IA 50023-2555
(515) 965-0123 – (515) 965-3322 fax
nillesinc.com

NILLES ASSOCIATES

Engineering – Landscape Architecture – Land Surveying

INVOICE

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

Invoice Date: 3/10/2022
Billing Period: 10/01/21-01/31/22

Invoice No: 21001.04
Project No: 20001

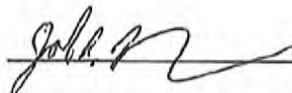
Project: Fourth Quarter

MS4 Permit Management and Owner's SWPPP Inspection Services

	Sites	Rate	Amount	Current
Lump Sum Services:				
Quartly MS4 Inspections	58.0	\$125.00	\$7,250.00	
Pre-Construction Meetings	3.0	\$125.00	\$375.00	
Annual MS4 Report - Qtr. 4	1.0	\$8,000.00	<u>\$8,000.00</u>	
		Subtotal:	\$15,625.00	<u>\$15,625.00</u>

Total Due this Invoice: \$15,625.00

NILLES ASSOCIATES, INC.



Thank you for your business.

324-810-6490



Contractor's Application for Payment No.

28 (Twenty-eight)

Application Period:

5/1/2022

to

6/3/2022

Application Date:

6/3/2022

To (Owner):	City of Grimes, IA 101 NE Harvey Street, Grimes, Iowa 50111	From (Contractor):	Shank Constructors, Inc. 3501 85th Avenue North, Brooklyn Park, MN 55443	Via (Engineer):	McClure Engineering Co. 1360 NW 121st St, Clive, IA 50325
Owner's DWSRF Number:	FS-77-18-DWSRF-016	Contractor's Contract Number:	1300	Engineer's Project Number:	190904
Project:	City of Grimes, IA - Reverse Osmosis Water Treatment Plant - Phase 1		Contract:	Grimes RO WTP - Phase 1	

Application For Payment - Change Order Summary			
Approved Change Orders			
Number	Additions	Deductions	
001	\$ 37,166.00	\$ -	
002	\$ 71,894.00	\$ -	
003	\$ 312,226.00	\$ -	
004	\$ 252,404.00	\$ -	
Totals:	\$ 673,690.00	\$ -	
Net Change by Change Order:	\$	673,690.00	

1. Original Contract Price.....	\$	17,951,200.00
2. Net change by Change Orders.....	\$	673,690.00
3. Current Contract Price (Line 1 + 2).....	\$	18,624,890.00
4. Total Completed and Stored to Date (Column F on Progress Estimate).....	\$	18,552,363.00
5. Retainage		
a. 5.0% X \$ 18,552,363.00 Work Completed.....	\$	927,618.15
b. 5.0% X \$ - Stored Material.....	\$	-
c. Early Release of Retainage.....	\$	770,427.95
d. Total Retainage (Line 5a + Line 5b - Line 5c).....	\$	157,190.20
6. Amount Eligible to Date (Line 4 - Line 5d).....	\$	18,395,172.80
7. Less Previous Payments (Line 6 from prior Application).....	\$	18,258,559.00
8. Amount Due This Application.....	\$	136,613.80
9. Balance to Finish, Plus Retainage (Column G on Progress Estimate + Line 5 above).....	\$	229,717.20

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

- (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
- (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:

Date: 6/7/2022

Payment of: \$136,613.80

(Line 8 or other - attach explanation of the other amount)

is recommended by:

(Engineer)

6/7/2022

(Date)

Payment of:

(Line 8 or other - attach explanation of the other amount)

is approved by:

(Owner)

(Date)

Approved by:

Funding Agency (if applicable)

(Date)

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract):	Grimes RO WTP - Phase 1				Application Number:	28 (Twenty-eight)		
Application Period:	5/1/2022	to	6/3/2022		Application Date:	6/3/2022		
A		B	Work Completed		E	F		G
			C	D				
Specification Section Number	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F/B)	Balance to Finish (B - F)
Division 01 - General Requirements								
01.01	Bonds & Insurance	\$ 269,268.00	\$ 269,268.00	\$ -		\$ 269,268.00	100.00%	\$ -
01.02	General / Mobilization	\$ 88,000.00	\$ 88,000.00	\$ -		\$ 88,000.00	100.00%	\$ -
01.03	Furnishings / Appliance / AV Equipment Allowance	\$ 80,000.00	\$ 80,000.00	\$ -		\$ 80,000.00	100.00%	\$ -
01.04	Submittal Software Allowance	\$ 18,000.00	\$ 18,000.00	\$ -		\$ 18,000.00	100.00%	\$ -
Division 02 - Existing Conditions								
02.01	Demolition - Process	\$ 75,624.00	\$ 75,624.00	\$ -		\$ 75,624.00	100.00%	\$ -
02.02	Demolition - Existing Site Fence	\$ 7,800.00	\$ 7,800.00	\$ -		\$ 7,800.00	100.00%	\$ -
Division 03 - Concrete								
03.01	Cast In Place Concrete / Reinforcement							
03.01.1	Spread Footings Office Area	\$ 3,800.00	\$ 3,800.00	\$ -		\$ 3,800.00	100.00%	\$ -
03.01.2	Ribbon Footings Process Area	\$ 96,250.00	\$ 96,250.00	\$ -		\$ 96,250.00	100.00%	\$ -
03.01.3	Ribbon Footings Office Area	\$ 68,300.00	\$ 68,300.00	\$ -		\$ 68,300.00	100.00%	\$ -
03.01.4	Foundation Walls Process Area	\$ 13,850.00	\$ 13,850.00	\$ -		\$ 13,850.00	100.00%	\$ -
03.01.5	Pipe Trench Mat Slabs	\$ 179,240.00	\$ 179,240.00	\$ -		\$ 179,240.00	100.00%	\$ -
03.01.6	Pipe Trench Walls & Piers	\$ 266,844.00	\$ 266,844.00	\$ -		\$ 266,844.00	100.00%	\$ -
03.01.7	Basement Mat Slab	\$ 203,500.00	\$ 203,500.00	\$ -		\$ 203,500.00	100.00%	\$ -
03.01.8	Basement Walls & Columns	\$ 234,450.00	\$ 234,450.00	\$ -		\$ 234,450.00	100.00%	\$ -
03.01.9	Phosphate/Ammonia Area Slabs	\$ 29,462.00	\$ 29,462.00	\$ -		\$ 29,462.00	100.00%	\$ -
03.01.10	Phosphate/Ammonia Area Walls	\$ 44,100.00	\$ 44,100.00	\$ -		\$ 44,100.00	100.00%	\$ -
03.01.11	Chlorine Room Slabs	\$ 35,350.00	\$ 35,350.00	\$ -		\$ 35,350.00	100.00%	\$ -
03.01.12	Chlorine Room Walls	\$ 40,050.00	\$ 40,050.00	\$ -		\$ 40,050.00	100.00%	\$ -
03.01.13	Flushing Box	\$ 9,800.00	\$ 9,800.00	\$ -		\$ 9,800.00	100.00%	\$ -
03.01.14	Stoops	\$ 14,440.00	\$ 14,440.00	\$ -		\$ 14,440.00	100.00%	\$ -
03.01.15	Pump Room Elevated Slab	\$ 222,350.00	\$ 222,350.00	\$ -		\$ 222,350.00	100.00%	\$ -
03.01.16	SOG East Process Area	\$ 95,350.00	\$ 95,350.00	\$ -		\$ 95,350.00	100.00%	\$ -
03.01.17	SOG West Process Area	\$ 29,200.00	\$ 29,200.00	\$ -		\$ 29,200.00	100.00%	\$ -
03.01.18	SOG Office Area	\$ 30,690.00	\$ 30,690.00	\$ -		\$ 30,690.00	100.00%	\$ -

Specification Section Number	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F/B)	
03.01.19	Generator Pad	\$ 49,070.00	\$ 49,070.00	\$ -		\$ 49,070.00	100.00%	\$ -
03.01.20	Sign	\$ 10,700.00	\$ 10,700.00	\$ -		\$ 10,700.00	100.00%	\$ -
03.01.21	Misc Equipment Pads	\$ 26,480.00	\$ 26,480.00	\$ -		\$ 26,480.00	100.00%	\$ -
03.01.22	Concrete Stair	\$ 4,500.00	\$ 4,500.00	\$ -		\$ 4,500.00	100.00%	\$ -
03.01.23	Precast Topping	\$ 4,800.00	\$ 4,800.00	\$ -		\$ 4,800.00	100.00%	\$ -
03.02	Precast Concrete	\$ 645,000.00	\$ 645,000.00	\$ -		\$ 645,000.00	100.00%	\$ -
Division 04 - Masonry								
04.01	Masonry	\$ 85,908.00	\$ 85,908.00	\$ -		\$ 85,908.00	100.00%	\$ -
Division 05 - Metals								
05.01	Structural Steel & Misc Metal / Steel Joist - Decking / Stairs - Railings - Grating	\$ 422,040.00	\$ 422,040.00	\$ -		\$ 422,040.00	100.00%	\$ -
05.02	Metals & Precast Erection	\$ 270,711.00	\$ 270,711.00	\$ -		\$ 270,711.00	100.00%	\$ -
Division 06 - Wood, Plastics, and Composites								
06.01	Rough Carpentry	\$ 2,500.00	\$ 2,500.00	\$ -		\$ 2,500.00	100.00%	\$ -
Division 07 - Thermal and Moisture Protection								
07.01	Damp Proofing - Insulation	\$ 17,245.00	\$ 17,245.00	\$ -		\$ 17,245.00	100.00%	\$ -
07.02	Roofing / Roofing Accessories	\$ 281,900.00	\$ 281,900.00	\$ -		\$ 281,900.00	100.00%	\$ -
07.03	Sealants	\$ 19,195.00	\$ 19,195.00	\$ -		\$ 19,195.00	100.00%	\$ -
Division 08 - Openings								
08.01	Doors / Frames / Hardware / Hatches							
08.01.1	Doors & Hardware	\$ 64,500.00	\$ 64,500.00	\$ -		\$ 64,500.00	100.00%	\$ -
08.01.2	Access Hatches	\$ 2,500.00	\$ 2,500.00	\$ -		\$ 2,500.00	100.00%	\$ -
08.02	Overhead Coiling Doors	\$ 52,000.00	\$ 52,000.00	\$ -		\$ 52,000.00	100.00%	\$ -
08.03	Aluminum Entrance & Storefronts	\$ 46,798.00	\$ 46,798.00	\$ -	\$ -	\$ 46,798.00	100.00%	\$ -
08.04	Architectural Louvers	\$ 46,521.00	\$ 42,000.00	\$ 4,521.00		\$ 46,521.00	100.00%	\$ -
Division 09 - Finishes								
09.01	Gypsum Board / Framing / Ceilings	\$ 79,904.00	\$ 79,904.00	\$ -		\$ 79,904.00	100.00%	\$ -
09.02	Floor Coverings	\$ 30,600.00	\$ 30,600.00	\$ -	\$ -	\$ 30,600.00	100.00%	\$ -
09.03	Resinous Flooring	\$ 102,050.00	\$ 102,050.00	\$ -		\$ 102,050.00	100.00%	\$ -
09.04	Painting	\$ 284,354.00	\$ 284,354.00	\$ -		\$ 284,354.00	100.00%	\$ -
Division 10 - Specialties								
10.01	Signage	\$ 10,776.00	\$ 10,776.00	\$ -		\$ 10,776.00	100.00%	\$ -
10.02	Toilet Compartments & Accessories	\$ 2,710.00	\$ 2,710.00	\$ -		\$ 2,710.00	100.00%	\$ -
10.03	Shower Accessories	\$ 2,580.00	\$ 2,580.00	\$ -		\$ 2,580.00	100.00%	\$ -
10.04	Fire Extinguishers	\$ 1,540.00	\$ 1,540.00	\$ -		\$ 1,540.00	100.00%	\$ -

Specification Section Number	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F/B)	
10.05	Lockers	\$ 3,275.00	\$ 3,275.00	\$ -		\$ 3,275.00	100.00%	\$ -
Division 12 - Furnishings								
12.01	Sunshades	\$ 16,572.00	\$ 16,572.00	\$ -		\$ 16,572.00	100.00%	\$ -
12.02	Window Shades	\$ 2,555.00	\$ 2,555.00	\$ -		\$ 2,555.00	100.00%	\$ -
12.03	Institutional Casework	\$ 11,848.00	\$ 11,848.00	\$ -		\$ 11,848.00	100.00%	\$ -
12.04	Lab Casework	\$ 21,840.00	\$ 21,840.00	\$ -		\$ 21,840.00	100.00%	\$ -
Division 21 - Fire Suppression								
21.01	Fire Protection	\$ 143,575.00	\$ 143,575.00	\$ -		\$ 143,575.00	100.00%	\$ -
Division 22 - Plumbing								
22.01	Plumbing / Fixtures / Equipment							
22.01.1	Process Air Piping & Compressor	\$ 15,850.00	\$ 15,850.00	\$ -		\$ 15,850.00	100.00%	\$ -
22.01.2	Basement Plumbing Underground	\$ 58,788.00	\$ 58,788.00	\$ -		\$ 58,788.00	100.00%	\$ -
22.01.3	Process Area Plumbing Underground	\$ 86,105.00	\$ 86,105.00	\$ -		\$ 86,105.00	100.00%	\$ -
22.01.4	Office Area Plumbing Underground	\$ 38,200.00	\$ 38,200.00	\$ -		\$ 38,200.00	100.00%	\$ -
22.01.5	Heating Water Piping	\$ 101,500.00	\$ 101,500.00	\$ -		\$ 101,500.00	100.00%	\$ -
22.01.6	Condensate Piping	\$ 7,500.00	\$ 7,500.00	\$ -		\$ 7,500.00	100.00%	\$ -
22.01.7	Building VT & Drain Process Area	\$ 38,500.00	\$ 38,500.00	\$ -		\$ 38,500.00	100.00%	\$ -
22.01.8	Building VT & Drain Office Area	\$ 38,500.00	\$ 38,500.00	\$ -		\$ 38,500.00	100.00%	\$ -
22.01.9	Domestic Water Piping Office Area	\$ 55,450.00	\$ 55,450.00	\$ -		\$ 55,450.00	100.00%	\$ -
22.01.10	Domestic Water Piping Process Area	\$ 33,280.00	\$ 33,280.00	\$ -		\$ 33,280.00	100.00%	\$ -
22.01.11	Plumbing Fixtures	\$ 18,500.00	\$ 18,500.00	\$ -		\$ 18,500.00	100.00%	\$ -
22.01.12	Trench Drains	\$ 30,050.00	\$ 30,050.00	\$ -		\$ 30,050.00	100.00%	\$ -
22.01.13	Heating Equipment	\$ 22,100.00	\$ 22,100.00	\$ -		\$ 22,100.00	100.00%	\$ -
Division 23 - Heating, Ventilating, and Air Conditioning (HVAC)								
23.01	HVAC							
23.01.1	Preconstruction/Mobilization	\$ 53,990.00	\$ 53,990.00	\$ -		\$ 53,990.00	100.00%	\$ -
23.01.2	Shop Fabrication	\$ 76,523.00	\$ 76,523.00	\$ -		\$ 76,523.00	100.00%	\$ -
23.01.3	HVAC Install	\$ 107,123.00	\$ 107,123.00	\$ -		\$ 107,123.00	100.00%	\$ -
23.01.4	HVAC Equipment	\$ 405,041.00	\$ 405,041.00	\$ -		\$ 405,041.00	100.00%	\$ -
23.01.5	HVAC Insulation	\$ 3,796.00	\$ 3,796.00	\$ -		\$ 3,796.00	100.00%	\$ -
23.01.6	Temperature Controls	\$ 105,622.00	\$ 105,622.00	\$ -		\$ 105,622.00	100.00%	\$ -
23.01.7	Test & Balance	\$ 5,565.00	\$ 5,565.00	\$ -		\$ 5,565.00	100.00%	\$ -
23.01.8	Commissioning	\$ 19,740.00	\$ 19,740.00	\$ -		\$ 19,740.00	100.00%	\$ -
23.01.9	Refrigeration Piping Modeling/Management	\$ 15,522.00	\$ 15,522.00	\$ -		\$ 15,522.00	100.00%	\$ -
23.01.10	Refrigeration Materials	\$ 15,995.00	\$ 15,995.00	\$ -		\$ 15,995.00	100.00%	\$ -

Specification Section Number	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F/B)	
23.01.11	Refrigeration Labor	\$ 20,755.00	\$ 20,755.00	\$ -		\$ 20,755.00	100.00%	\$ -
23.02	Geothermal System	\$ 196,069.00	\$ 196,069.00	\$ -		\$ 196,069.00	100.00%	\$ -
Division 25 - Integrated Automation								
25.01	Approved Design Submittals	\$ 25,000.00	\$ 25,000.00	\$ -		\$ 25,000.00	100.00%	\$ -
25.02	Control Panels	\$ 225,000.00	\$ 225,000.00	\$ -		\$ 225,000.00	100.00%	\$ -
25.03	Computer Equipment and Software	\$ 160,000.00	\$ 160,000.00	\$ -		\$ 160,000.00	100.00%	\$ -
25.04	System Programming	\$ 35,000.00	\$ 35,000.00	\$ -		\$ 35,000.00	100.00%	\$ -
25.05	Instrumentation	\$ 14,500.00	\$ 14,500.00	\$ -		\$ 14,500.00	100.00%	\$ -
25.06	On Site Start Up/Training	\$ 21,000.00	\$ 20,500.00	\$ 500.00		\$ 21,000.00	100.00%	\$ -
Division 26 - Electrical								
26.01	Electrical	\$ 1,188,553.00	\$ 1,185,300.00	\$ -		\$ 1,185,300.00	99.73%	\$ 3,253.00
26.02	Electrical Gear - MCC's, Etc.	\$ 528,000.00	\$ 528,000.00	\$ -		\$ 528,000.00	100.00%	\$ -
26.03	Generator	\$ 1,277,947.00	\$ 1,277,947.00	\$ -		\$ 1,277,947.00	100.00%	\$ -
Division 27 - Communications								
27.01	Communication	\$ 37,100.00	\$ 36,324.00	\$ -		\$ 36,324.00	97.91%	\$ 776.00
Division 28 - Electronic Safety and Security								
28.01	Electronic Safety and Security	\$ 66,700.00	\$ 62,580.00	\$ -		\$ 62,580.00	93.82%	\$ 4,120.00
Division 31- Earthwork								
31.01	Mobilization	\$ 40,000.00	\$ 40,000.00	\$ -		\$ 40,000.00	100.00%	\$ -
31.02	Construction Entrance	\$ 2,250.00	\$ 2,250.00	\$ -		\$ 2,250.00	100.00%	\$ -
31.03	Strip, Stockpile & Respread Topsoil	\$ 65,000.00	\$ 61,750.00	\$ -		\$ 61,750.00	95.00%	\$ 3,250.00
31.04	Site Excavating & Grading, Cut to Fill	\$ 85,000.00	\$ 80,750.00	\$ -		\$ 80,750.00	95.00%	\$ 4,250.00
31.05	Over Excavation, Replace & Re-Compact of Building Pad Area 1	\$ 329,000.00	\$ 280,000.00	\$ -		\$ 280,000.00	85.11%	\$ 49,000.00
31.06	Over Excavation & Replacement with Suitable Fill for Building Pad Area 2	\$ 595,000.00	\$ 595,000.00	\$ -		\$ 595,000.00	100.00%	\$ -
31.07	Excavation of Pipe Gallery, Trench to Treatment Room & Trench in Treatment Room	\$ 55,000.00	\$ 55,000.00	\$ -		\$ 55,000.00	100.00%	\$ -
31.08	Granular Backfill of Pipe Gallery, Trench to Treatment Room & Trench in Treatment Room	\$ 200,000.00	\$ 200,000.00	\$ -		\$ 200,000.00	100.00%	\$ -
31.09	Provide & Place Granular Subbase for Building Pad	\$ 54,179.00	\$ 54,179.00	\$ -		\$ 54,179.00	100.00%	\$ -
31.10	Silt Fence	\$ 3,055.00	\$ 3,055.00	\$ -		\$ 3,055.00	100.00%	\$ -

Specification Section Number	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F/B)	
31.11	Inlet Protection	\$ 540.00	\$ 540.00	\$ -		\$ 540.00	100.00%	\$ -
Division 32- Exterior Improvements								
32.01	Seeding	\$ 19,351.00	\$ 19,351.00	\$ -		\$ 19,351.00	100.00%	\$ -
32.02	Plantings	\$ 11,200.00	\$ 11,200.00	\$ -		\$ 11,200.00	100.00%	\$ -
32.03	Sidewalks - Grading & Subgrade Prep	\$ 3,310.00	\$ 3,310.00	\$ -		\$ 3,310.00	100.00%	\$ -
32.04	Subgrade Prep for PCC Paving	\$ 30,690.00	\$ 30,690.00	\$ -		\$ 30,690.00	100.00%	\$ -
32.05	PCC Subbase - 6"including fabric	\$ 102,300.00	\$ 102,300.00	\$ -		\$ 102,300.00	100.00%	\$ -
32.06	Site PCC Paving	\$ 347,540.00	\$ 347,540.00	\$ -		\$ 347,540.00	100.00%	\$ -
32.07	Gravel Shoulders	\$ 2,660.00	\$ 2,660.00	\$ -		\$ 2,660.00	100.00%	\$ -
32.08	Gravel Drives including Fabric	\$ 33,660.00	\$ 33,660.00	\$ -		\$ 33,660.00	100.00%	\$ -
32.09	Install Vinyl Coated Fence	\$ 45,800.00	\$ 45,800.00	\$ -		\$ 45,800.00	100.00%	\$ -
32.10	Install Slide Gate & Operator	\$ 21,300.00	\$ 21,300.00	\$ -		\$ 21,300.00	100.00%	\$ -
Division 33 - Utilities								
33.01	Site Utilities / Water - Sewer - Storm							
33.01.1	Site Utility Mobilization	\$ 53,235.00	\$ 53,235.00	\$ -		\$ 53,235.00	100.00%	\$ -
33.01.2	Building Overflow Drain Pipe	\$ 190,780.00	\$ 190,780.00	\$ -		\$ 190,780.00	100.00%	\$ -
33.01.3	Sanitary Sewer Pipe & Structures	\$ 234,450.00	\$ 234,450.00	\$ -		\$ 234,450.00	100.00%	\$ -
33.01.4	Concentrate Pipe	\$ 397,450.00	\$ 397,450.00	\$ -		\$ 397,450.00	100.00%	\$ -
33.01.5	Perm Drain and Structure	\$ 218,730.00	\$ 218,730.00	\$ -		\$ 218,730.00	100.00%	\$ -
33.01.6	RAW Piping	\$ 54,900.00	\$ 54,900.00	\$ -		\$ 54,900.00	100.00%	\$ -
33.01.7	FW Piping	\$ 470,720.00	\$ 470,720.00	\$ -		\$ 470,720.00	100.00%	\$ -
33.01.8	CE Piping	\$ 206,380.00	\$ 206,380.00	\$ -		\$ 206,380.00	100.00%	\$ -
33.01.9	RCP Storm Drains	\$ 73,500.00	\$ 73,500.00	\$ -		\$ 73,500.00	100.00%	\$ -
33.01.10	SD Piping	\$ 28,330.00	\$ 28,330.00	\$ -		\$ 28,330.00	100.00%	\$ -
Division 40 - Process Interconnections								
40.01	Process Piping	\$ 788,732.00	\$ 788,732.00	\$ -		\$ 788,732.00	100.00%	\$ -
40.02	Process Valves	\$ 300,000.00	\$ 300,000.00	\$ -		\$ 300,000.00	100.00%	\$ -
40.03	Process Controls	\$ 38,500.00	\$ 38,500.00	\$ -		\$ 38,500.00	100.00%	\$ -
40.04	WTP Disinfection	\$ 10,000.00	\$ 10,000.00	\$ -		\$ 10,000.00	100.00%	\$ -
Division 41 - Material Processing and Handling Equipment								
41.01	Monorail Hoist	\$ 44,284.00	\$ 44,284.00	\$ -		\$ 44,284.00	100.00%	\$ -
Division 43 - Process Gas and Liquid Handling, Purification and Storage Equipment								
43.01	End Suction Pumps	\$ 22,000.00	\$ 2,200.00	\$ 19,800.00	\$ -	\$ 22,000.00	100.00%	\$ -
43.02	Vertical Turbine Pumps	\$ 285,000.00	\$ 285,000.00	\$ -	\$ -	\$ 285,000.00	100.00%	\$ -
Division 46 - Water and Wastewater Equipment								

A		B	Work Completed		E	F		G
			C	D				
Specification Section Number	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F/B)	Balance to Finish (B - F)
46.01	Chemical Feed / Valves / Mixers	\$ 407,871.00	\$ 407,871.00	\$ -		\$ 407,871.00	100.00%	\$ -
46.02	Lime Feed Equipment	\$ 442,500.00	\$ 442,500.00	\$ -		\$ 442,500.00	100.00%	\$ -
46.03	Aerators	\$ 77,629.00	\$ 77,629.00	\$ -	\$ -	\$ 77,629.00	100.00%	\$ -
46.04	Harn RO System Assigned Contract Allowance	\$ 1,327,752.00	\$ 1,327,752.00	\$ -		\$ 1,327,752.00	100.00%	\$ -
46.05	Equipment Install	\$ 160,493.00	\$ 159,750.00	\$ 743.00		\$ 160,493.00	100.00%	\$ -
Approved Project Change Orders								
CO-001	Change Order #1	\$ 37,166.00	\$ 37,166.00	\$ -		\$ 37,166.00	100.00%	\$ -
CO-002	Change Order #2	\$ 71,894.00	\$ 71,894.00	\$ -		\$ 71,894.00	100.00%	\$ -
CO-003	Change Order #3	\$ 312,226.00	\$ 312,226.00	\$ -		\$ 312,226.00	100.00%	\$ -
CO-004	Change Order #4	\$ 252,404.00	\$ 55,229.00	\$ 189,297.00	\$ -	\$ 244,526.00	96.88%	\$ 7,878.00
	Total	\$ 18,624,890.00	\$ 18,337,502.00	\$ 214,861.00	\$ -	\$ 18,552,363.00	99.61%	\$ 72,527.00

Stored Material Summary

Contractor's Application

[illegible]

Partial Pay Estimates Paid-to-Date

Contractor's Application

For (Contract):	City of Grimes, IA - Reverse Osmosis Water Treatment Plant - Phase 1 Grimes RO WTP - Phase 1				Application Number:	28 (Twenty-eight)
					Application Date:	6/3/2022
Application Period:	From:	5/1/2022	To:	6/3/2022	Contractor:	Shank Constructors, Inc. 3501 85th Avenue North, Brooklyn Park, MN 55443

Original Contract Amount: \$ 17,951,200.00

Approved Change Orders:

Number	Date	Amount
001	8/25/2020	\$ 37,166.00
002	1/12/2021	\$ 71,894.00
003	3/9/2021	\$ 312,226.00
004	2/8/2022	\$ 252,404.00

Revised Contract Amount: \$ 18,624,890.00

Pay Estimates Paid-to-Date

Pay Estimate Number	Date	Amount
001 to 005	2/3/20 to 5/15/20	\$ 3,719,402.95
006 to 010	6/29/20 to 10/19/20	\$ 3,895,691.88
011 to 015	11/20/2020 to	\$ 5,415,027.55
016	4/16/2021	\$ 1,131,322.70
017	6/4/2021	\$ 1,073,885.70
018	6/30/2021	\$ 382,449.77
019	7/19/2021	\$ 222,000.18
020	8/16/2021	\$ 452,737.70
021	9/20/2021	\$ 463,738.80
022	10/20/2021	\$ 149,971.75
023	11/22/2021	\$ 144,101.70
024	12/20/2021	\$ 149,369.45
025	1/20/2022	\$ 560,362.94
026	4/26/2022	\$ 65,327.70
027	5/10/2022	\$ 433,168.23
028		

Total Estimates Paid to Date: \$ 18,258,559.00

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Total Construction Cost: \$ 18,258,559.00

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



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 14, 2022 **PAYMENT REQUEST #** 3
PAYMENT PERIOD: From: April 29, 2022 Through: May 31, 2022

Contract Summary

Original Contract Amount:	\$	8,068,100.00	
Net change by Change Orders:	\$	-	
Contract Amount to Date: (line 1 ± 2)	\$	8,068,100.00	
Total completed and stored to date:	\$	1,018,810.30	
Retainage: 5 % of Completed Work:	\$	50,940.52	
Total Earned less Retainage:	\$	967,869.79	
Less previous applications for payment:	\$	332,125.53	
SUBTOTAL	\$		635,744.26
OTHER CHARGES (Attach an itemized list)	\$		-
CURRENT PAYMENT DUE	\$		635,744.26
Balance to finish, including retainage:	\$	7,100,230.22	

Contract Time Remaining (If applicable) 457.00 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.
 Signature: _____ Date: 6/6/2022

Engineer / Consultant Approval: Veenstra & Kimm, Inc.
 Signature: _____ Date: 6-7-2022

City of Grimes Staff Approval: _____
 Signature: _____ Date: 6-8-22

City of Grimes Council Approval: _____
 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

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	40%	\$ 114,000.00	60%	40.00%
2	Site Demolition	LS	1.00		1.00	\$115,000.00	\$ 115,000.00	80%	\$ 92,000.00	20%	80.00%
3	Earth Retention	LS	1.00		1.00	\$ 1,921,503.00	\$ 1,921,503.00	20%	\$ 384,300.60	80%	20.00%
4	Earthwork	LS	1.00		1.00	\$546,000.00	\$ 546,000.00	20%	\$ 109,200.00	80%	20.00%
5	Site Utilities	LS	1.00		1.00	\$ 1,104,000.00	\$ 1,104,000.00	20%	\$ 220,800.00	80%	20.00%
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		\$ -	100%	0.00%
8	Precast Materials	LS	1.00		1.00	\$207,500.00	\$ 207,500.00		\$ -	100%	0.00%
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		\$ -	100%	0.00%
13	Aluminum Doors and Windows	LS	1.00		1.00	\$18,250.00	\$ 18,250.00		\$ -	100%	0.00%
14	Colling 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%	0.00%
18	Submersible Pumps	LS	1.00		1.00	\$333,000.00	\$ 333,000.00		\$ -	100%	0.00%
19	Slide Gates	LS	1.00		1.00	\$39,460.00	\$ 39,460.00		\$ -	100%	0.00%
20	Inside Process Piping	LS	1.00		1.00	\$227,000.00	\$ 227,000.00		\$ -	100%	0.00%
21	Jib Crane	LS	1.00		1.00	\$58,000.00	\$ 58,000.00		\$ -	100%	0.00%
22	Plumbing	LS	1.00		1.00	\$12,000.00	\$ 12,000.00		\$ -	100%	0.00%
23	HVAC	LS	1.00		1.00	\$329,460.00	\$ 329,460.00		\$ -	100%	0.00%
24	Electrical	LS	1.00		1.00	\$985,097.00	\$ 985,097.00	10%	\$ 98,509.70	90%	10.00%
25					-	\$ -	\$ -		\$ -	-	0.00%
26					-	\$ -	\$ -		\$ -	-	0.00%
27					-	\$ -	\$ -		\$ -	-	0.00%
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%
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47					-	\$ -	\$ -		\$ -	-	0.00%
48					-	\$ -	\$ -		\$ -	-	0.00%
49					-	\$ -	\$ -		\$ -	-	0.00%
50					-	\$ -	\$ -		\$ -	-	0.00%
51					-	\$ -	\$ -		\$ -	-	0.00%
52					-	\$ -	\$ -		\$ -	-	0.00%
53					-	\$ -	\$ -		\$ -	-	0.00%
54					-	\$ -	\$ -		\$ -	-	0.00%
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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%
71					-	\$ -	\$ -		\$ -	-	0.00%
72					-	\$ -	\$ -		\$ -	-	0.00%
73					-	\$ -	\$ -		\$ -	-	0.00%
74					-	\$ -	\$ -		\$ -	-	0.00%
75					-	\$ -	\$ -		\$ -	-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE

\$ 8,068,100.00

\$ 1,018,810.30

-87.37%

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		
4		
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Previous Applications for Payment

No.	Date	Amount
36		
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TOTAL \$ 332,125.53

Record of Change Orders

No.	Date	Amount
1		
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25		

TOTAL \$ -

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	January 25, 2022
Original Contract Time:	552.00
Added by Change Order:	
Contract Time to Date:	552.00
Time Used to Date:	95.00
Contract Time Remaining:	<u>457.00</u>

CITY OF
GRIMES

Date Printed: 6/7/2022

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	VEGETATION REMOVAL FOR NATIVE SEEDING	AC	0.50		0.50	\$ 3,500.00	\$ 1,750.00	0.50	\$ 1,750.00	-	100.00%
2.02	TURF REMOVAL, PLANTING BED AREAS	SY	384.00		384.00	\$ 5.00	\$ 1,920.00	384.00	\$ 1,920.00	-	100.00%
2.03	AMEND TOPSOIL WITH COMPOST, PLANTING BED AREAS	CY	3.00		3.00	\$ 100.00	\$ 300.00	3.00	\$ 300.00	-	100.00%
8.01	TEMPORARY TRAFFIC CONTROL	LS	1.00	(1.00)	-	\$ 900.00	\$ -	-	\$ -	-	0.00%
9.01	CONVENTIONAL SEEDING AND FERTILIZING, TYPE 1	AC	0.50		0.50	\$ 2,150.00	\$ 1,075.00	0.50	\$ 1,075.00	-	100.00%
9.02	HYDRAULIC MULCHING, BONDED FIBER MATRIX (BFM)	AC	4.00		4.00	\$ 3,400.00	\$ 13,600.00	4.00	\$ 13,600.00	-	100.00%
9.03	CONVENTIONAL SEEDING, CUSTOM NATIVE DRY-MESIC SEED MIXTURE	AC	2.50		2.50	\$ 2,400.00	\$ 6,000.00	2.50	\$ 6,000.00	-	100.00%
9.04	CONVENTIONAL SEEDING, CUSTOM NATIVE WET-MESIC SEED MIXTURE	AC	1.00		1.00	\$ 2,600.00	\$ 2,600.00	1.00	\$ 2,600.00	-	100.00%
9.05	NATIVE VEGETATION ESTABLISHMENT, 3.5 ACRES	TRIP	6.00		6.00	\$ 1,050.00	\$ 6,300.00	-	\$ -	6.00	0.00%
9.06	SHRUBS AND PERENNIALS, WITH WARRANTY	EA	152.00		152.00	\$ 37.00	\$ 5,624.00	152.00	\$ 5,624.00	-	100.00%
9.07	SHREDDED CYPRESS MULCH	SY	384.00		384.00	\$ 11.00	\$ 4,224.00	384.00	\$ 4,224.00	-	100.00%
9.08	IOWA FIELD STONE BOULDERS	TON	5.00		5.00	\$ 315.00	\$ 1,575.00	5.00	\$ 1,575.00	-	100.00%
9.09	LIMESTONE EDGING	LF	200.00		200.00	\$ 14.00	\$ 2,800.00	200.00	\$ 2,800.00	-	100.00%
9.10	TEMPORARY ROLLED EROSION CONTROL PRODUCT, TYPE 2C	SY	3,600.00	514.00	4,114.00	\$ 1.50	\$ 6,171.00	4,114.00	\$ 6,171.00	-	100.00%
9.11	SURFACE ROUGHENING	SY	14,250.00		14,250.00	\$ 0.25	\$ 3,562.50	14,250.00	\$ 3,562.50	-	100.00%
11.01	MOBILIZATION	LS	1.00		1.00	\$ 2,500.00	\$ 2,500.00	1.00	\$ 2,500.00	-	100.00%
12.01	DRY CREEK BED	LS		1.00	1.00	\$ 1,900.00	\$ 1,900.00	1.00	\$ 1,900.00	-	100.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE

\$ 61,901.50

\$ 55,601.50

89.82%

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	January 11, 2022	\$ 39,432.13
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Previous Applications for Payment

No.	Date	Amount
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TOTAL \$ 39,432.13

Record of Change Orders

No.	Date	Amount
1	June 14, 2022	\$ 1,771.00
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TOTAL \$ 1,771.00

Contract Time Remaining

Contract Period: WORKING DAYS
 Original Contract Date: June 22, 2021
 Original Contract Time: _____
 Added by Change Order: _____
 Contract Time to Date: -
 Time Used to Date: _____
 Contract Time Remaining: -

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: 2022 Asphalt Overlay Project
Contractor: InRoads
Address: 4224 Hubbell Avenue, Des Moines, IA 50317
Finance Budget Code: 110-210-6761 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: April 12, 2022 **Vendor #** 4303

Date of Council Meeting: June 14, 2022 **PAYMENT REQUEST #** 1
PAYMENT PERIOD: From: May 1, 2022 Through: June 2, 2022

Contract Summary

Original Contract Amount:	\$	318,959.00	
Net change by Change Orders:	\$	25,373.90	
Contract Amount to Date: (line 1 ± 2)	\$		344,332.90
Total completed and stored to date:	\$	283,261.49	
Retainage: 5 % of Completed Work:	\$	14,163.07	
Total Earned less Retainage:	\$		269,098.41
Less previous applications for payment:	\$	-	
SUBTOTAL			\$ 269,098.41

OTHER CHARGES (Attach an itemized list) \$ -

CURRENT PAYMENT DUE \$ **269,098.41**

Balance to finish, including retainage: \$ 75,234.48

Contract Time Remaining (If applicable) 18.00 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: InRoads LLC

Signature: Date: 6/6/22

Engineer / Consultant Approval: Justin Ernst, P.E. Bolton & Menk

Signature: Date: 6/7/2022

City of Grimes Staff Approval:

Signature: Date: 6-8-22

City of Grimes Council Approval:

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

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	TOPSOIL, OFF-SITE	CY	28.00	4.07	32.07	\$ 115.00	\$ 3,688.05	-	\$ -	32.07	0.00%
2	EXCAVATION, CLASS 10	CY	353.00	47.68	400.68	\$ 39.00	\$ 15,626.52	184.35	\$ 7,189.65	216.33	46.01%
3	SUBBASE, MODIFIED, 6 IN	SY	1,282.00	341.23	1,623.23	\$ 15.00	\$ 24,348.45	109.50	\$ 1,642.50	1,513.73	6.75%
4	INTAKE, SW-513	EA	1.00	-	1.00	\$10,350.00	\$ 10,350.00	1.00	\$ 10,350.00	-	100.00%
5	MANHOLE ADJUSTMENT, MINOR	EA	5.00	1.00	6.00	\$ 2,450.00	\$ 14,700.00	-	\$ -	6.00	0.00%
6	REMOVE INTAKE	EA	1.00	-	1.00	\$ 3,660.00	\$ 3,660.00	1.00	\$ 3,660.00	-	100.00%
7	PAVEMENT, PCC, 7 IN.	SY	52.00	2.78	54.78	\$ 110.00	\$ 6,025.80	57.30	\$ 6,303.00	(2.52)	104.60%
8	CURB AND GUTTER, 30 IN, HEIGHT VARIES	LF	119.40	110.00	229.40	\$ 42.00	\$ 9,634.80	197.30	\$ 8,286.60	32.10	86.01%
9	PAVEMENT, HMA	TON	1,511.00	50.39	1,561.39	\$ 94.00	\$ 146,770.66	1,766.16	\$ 166,019.04	(204.77)	113.11%
10	SIDEWALK, PCC, 6 IN.	SY	6.40	-	6.40	\$ 125.00	\$ 800.00	12.20	\$ 1,525.00	(5.80)	190.63%
11	FULL DEPTH PATCHES, HMA	TON	241.00	23.17	264.17	\$ 155.00	\$ 40,946.35	110.05	\$ 17,057.75	154.12	41.66%
12	MILLING	SY	7,308.00	(158.11)	7,149.89	\$ 4.10	\$ 29,314.55	7,149.89	\$ 29,314.55	-	100.00%
13	PAVEMENT REMOVAL	SY	201.70	30.56	232.26	\$ 22.00	\$ 5,109.72	230.20	\$ 5,064.40	2.06	99.11%
14	TEMPORARY TRAFFIC CONTROL	LS	1.00	-	1.00	\$12,300.00	\$ 12,300.00	0.82	\$ 10,086.00	0.18	82.00%
15	CONVENTIONAL SEEDING, SEEDING, FERTILIZING AND STRAWMAT	SF	1,058.00	220.00	1,278.00	\$ 2.50	\$ 3,195.00	-	\$ -	1,278.00	0.00%
16	CONSTRUCTION SURVEY	LS	1.00	-	1.00	\$ 5,500.00	\$ 5,500.00	0.80	\$ 4,400.00	0.20	80.00%
17	MOBILIZATION	LS	1.00	-	1.00	\$11,550.00	\$ 11,550.00	1.00	\$ 11,550.00	-	100.00%
18	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1.00	-	1.00	\$ 813.00	\$ 813.00	1.00	\$ 813.00	-	100.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE

\$ 344,332.90\$ 283,261.4982.26%

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

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Previous Applications for Payment

No.	Date	Amount
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TOTAL \$ -

Record of Change Orders

No.	Date	Amount
1	May 31, 2022	\$ 25,373.90
2	June 14	
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TOTAL \$ 25,373.90

Contract Time Remaining

Contract Period:	Working Days
Original Contract Date:	April 12, 2022
Original Contract Time:	58.00
Added by Change Order:	
Contract Time to Date:	58.00
Time Used to Date:	-40.00
Contract Time Remaining:	18.00 N/A

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT



Project Title: Iowa Hwy 141 SB & Iowa Hwy 44 Traffic Signal and Turn Lane Improvements
Contractor: Elder Corporation
Address: 5088 East University Avenue, Pleasant Hill, IA 50327
Finance Budget Code: 339-210-6490 **Finance Project #**
Vendor Project or Invoice #: **PO #**
Original Contract Date: August 10, 2021 **Vendor #** 1336

Date of Council Meeting: June 14, 2022 **PAYMENT REQUEST #** 4 - Retainage
PAYMENT PERIOD: From: May 3, 2022 Through: May 3, 2022

Contract Summary

Original Contract Amount:	\$	309,000.00	
Net change by Change Orders:	\$	20,460.48	
Contract Amount to Date: (line 1 ± 2)	\$	329,460.48	
Total completed and stored to date:	\$	329,460.48	
Retainage: 0.0 % of Completed Work:	\$	-	
Total Earned less Retainage:	\$	329,460.48	
Less previous applications for payment:	\$	321,223.97	
SUBTOTAL	\$		8,236.51
OTHER CHARGES (Attach an Itemized list)	\$		-
CURRENT PAYMENT DUE	\$		8,236.51
Balance to finish, including retainage:	\$		-

Contract Time Remaining (If applicable) 8.00 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.

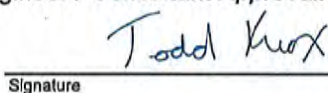
Construction Contractor Approval:


Signature

Firm Name Elder Corporation


Date 6/3/22

Engineer / Consultant Approval:


Signature

Firm Name Snyder & Associates

6/3/2022
Date

City of Grimes Staff Approval:


Signature

6-8-22
Date

City of Grimes Council Approval:

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

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	Onsite Topsoil	CY	320.00		320.00	\$ 13.00	\$ 4,160.00	320.00	\$ 4,160.00	-	100.00%
2	Excavation, Class 10	CY	413.00		413.00	\$ 15.00	\$ 6,195.00	413.00	\$ 6,195.00	-	100.00%
3	Below Grade Excavation (Core Out)	CY	20.00	(20.00)	-	\$ 80.00	\$ -	-	\$ -	-	0.00%
4	Subgrade Preparation, 6"	SY	610.00		610.00	\$ 7.00	\$ 4,270.00	610.00	\$ 4,270.00	-	100.00%
5	Subbase, Special Backfill, 12" Depth	SY	610.00	(610.00)	-	\$ 19.00	\$ -	-	\$ -	-	0.00%
6	Compaction Testing	LS	1.00		1.00	\$ 2,500.00	\$ 2,500.00	1.00	\$ 2,500.00	-	100.00%
7	Pipe Culvert, Trenched, RCP, 48" Dia, 2000D	LF	10.00	(2.00)	8.00	\$ 550.00	\$ 4,400.00	8.00	\$ 4,400.00	-	100.00%
8	Pipe Apron, Remove and Reinstall with Footing and Guard, 48" Dia	EA	1.00		1.00	\$ 5,700.00	\$ 5,700.00	1.00	\$ 5,700.00	-	100.00%
9	PCC Pavement, 9"	SY	441.00	11.00	452.00	\$ 158.00	\$ 71,416.00	452.00	\$ 71,416.00	-	100.00%
10	PCC Pavement Samples and Testing	LS	1.00		1.00	\$ 5,300.00	\$ 5,300.00	1.00	\$ 5,300.00	-	100.00%
11	Removal of Sidewalk, PCC	SY	74.00	12.00	86.00	\$ 19.00	\$ 1,634.00	86.00	\$ 1,634.00	-	100.00%
12	Shared Use Path, 6"	SY	73.00	2.20	75.20	\$ 175.00	\$ 13,160.00	75.20	\$ 13,160.00	-	100.00%
13	Special Subgrade Preparation for Shared Use Path	SY	73.00	2.20	75.20	\$ 12.00	\$ 902.40	75.20	\$ 902.40	-	100.00%
14	Detectable Warnings	SF	51.00		51.00	\$ 78.00	\$ 3,978.00	51.00	\$ 3,978.00	-	100.00%
15	Pavement Removal	SY	55.00		55.00	\$ 110.00	\$ 6,050.00	55.00	\$ 6,050.00	-	100.00%
16	Traffic Signal	LS	1.00		1.00	\$ 80,000.00	\$ 80,000.00	1.00	\$ 80,000.00	-	100.00%
17	Pavement Markings, Durable	STA	15.70		15.70	\$ 370.00	\$ 5,809.00	15.70	\$ 5,809.00	-	100.00%
18	Wet, Retroreflective Removable Tape Markings	STA	5.00		5.00	\$ 470.00	\$ 2,350.00	5.00	\$ 2,350.00	-	100.00%
19	Pavement Markings, Removed	STA	24.60	(15.04)	9.56	\$ 236.00	\$ 2,266.16	9.56	\$ 2,266.16	-	100.00%
20	Grooves Cut for Pavement Markings	STA	15.70		15.70	\$ 320.00	\$ 5,024.00	15.70	\$ 5,024.00	-	100.00%
21	Temporary Traffic Control	LS	1.00		1.00	\$ 9,500.00	\$ 9,500.00	1.00	\$ 9,500.00	-	100.00%
22	Portable Dynamic Message Signs	CDAV	25.00		25.00	\$ 131.00	\$ 3,275.00	25.00	\$ 3,275.00	-	100.00%
23	Temporary Barrier Rail	LF	188.00	400.00	588.00	\$ 26.50	\$ 15,582.00	588.00	\$ 15,582.00	-	100.00%
24	Seeding, Fertilizing, and BFM Mulch for Hydraulic Seeding, Permanent, Type 3	AC	0.50	0.40	0.90	\$ 3,800.00	\$ 3,420.00	0.90	\$ 3,420.00	-	100.00%
25	Seeding, Fertilizing, and BFM Mulch for Hydraulic Seeding, Temporary, Type 5	AC	0.50	(0.50)	-	\$ 2,300.00	\$ -	-	\$ -	-	0.00%
26	Temporary RECP, Type 2.C	SY	547.00	(262.60)	284.40	\$ 1.75	\$ 497.70	284.40	\$ 497.70	-	100.00%
27	Silt Fence and Silt Fence Ditch Check, Installation	LF	729.00	(504.00)	225.00	\$ 1.75	\$ 393.75	225.00	\$ 393.75	-	100.00%
28	Silt Fence and Silt Fence Ditch Check, Removal of Device	LF	729.00	(504.00)	225.00	\$ 1.00	\$ 225.00	225.00	\$ 225.00	-	100.00%
29	Mobilization	LS	1.00		1.00	\$ 44,664.40	\$ 44,664.40	1.00	\$ 44,664.40	-	100.00%
C1-2	Temporary Crash Cushion	EA		1.00	1.00	\$ 1,320.00	\$ 1,320.00	1.00	\$ 1,320.00	-	100.00%
C1-3	4" Perf Subdrain	LF		20.00	20.00	\$ 21.00	\$ 420.00	20.00	\$ 420.00	-	100.00%
C1-4	12x6" CMP Outlet	EA		2.00	2.00	\$ 530.00	\$ 1,060.00	2.00	\$ 1,060.00	-	100.00%
C1-5	Connect to Stub	EA		2.00	2.00	\$ 380.00	\$ 760.00	2.00	\$ 760.00	-	100.00%
C1-7	Modified Subbase	SY		610.00	610.00	\$ 21.50	\$ 13,115.00	610.00	\$ 13,115.00	-	100.00%
C1-8	Traffic Signal Meter Pedestal	LS		1.00	1.00	\$ 1,127.00	\$ 1,127.00	1.00	\$ 1,127.00	-	100.00%
C1-9	Advance Lane Control Signs, with Posts	EA		2.00	2.00	\$ 742.50	\$ 1,485.00	2.00	\$ 1,485.00	-	100.00%
C2-1	Video Detection Cable to 3 Cameras	LF		590.00	590.00	\$ 2.25	\$ 1,327.50	590.00	\$ 1,327.50	-	100.00%
C2-2	Installation of Advance Detection Cameras	EA		2.00	2.00	\$ 1,725.00	\$ 3,450.00	2.00	\$ 3,450.00	-	100.00%
C2-3	Labor - Advance Detection Cameras	HR		5.00	5.00	\$ 85.00	\$ 425.00	5.00	\$ 425.00	-	100.00%
C2-4	Additional Traffic Control for Lane Closures to Install Advance Detection Cameras	EA		5.00	5.00	\$ 250.00	\$ 1,250.00	5.00	\$ 1,250.00	-	100.00%
C2-5	Baker Electric Mark-Up (5.8%)	LS		1.00	1.00	\$ 375.75	\$ 375.75	1.00	\$ 375.75	-	100.00%
C2-6	Prime Mark-Up (10%)	LS		1.00	1.00	\$ 682.82	\$ 682.82	1.00	\$ 682.82	-	100.00%
					-	\$ -	\$ -	-	\$ -	-	0.00%
					-	\$ -	\$ -	-	\$ -	-	0.00%
					-	\$ -	\$ -	-	\$ -	-	0.00%

TOTAL CONTRACT AND VALUE OF WORK COMPLETED TO DATE

\$ 329,460.48

\$ 329,460.48

100.00%

APPLICATION FOR PARTIAL PAYMENT OF CONTRACT

Previous Applications for Payment

No.	Date	Amount
1	November 9, 2021	\$ 260,971.37
2	April 12, 2022	\$ 57,641.84
3	May 10, 2022	\$ 2,610.76
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Previous Applications for Payment

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TOTAL \$ 321,223.97

Record of Change Orders

No.	Date	Amount
1	October 12, 2021	\$ 18,297.00
2	February 22, 2022	\$ 7,511.07
3	May 10, 2022	\$ (5,347.59)
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TOTAL \$ 20,460.48

Contract Time Remaining

	Working Days
Contract Period:	August 10, 2021
Original Contract Date:	
Original Contract Time:	45.00
Added by Change Order:	5.00
Contract Time to Date:	50.00
Time Used to Date:	42.00
Contract Time Remaining:	<u>8.00</u>

323-810-6499

Retainage



Contractor's Application for Payment No.

19 (Nineteen) - FINAL

Application Period: 1/1/2022 to 4/1/2022		Application Date: 5/12/2022	
To (Owner):	City of Grimes, IA 101 NE Harvey St, Grimes, Iowa 50111	From (Contractor):	CB&I, LLC PO Box 675084, Dallas, TX 75267-5084
Owner's Contract Number:	FS-77-18-DWSRF-016	Contractor's Contract Number:	374231044
Project:	New 1.5 MG Elevated Water Storage Tank		Contract:
		Via (Engineer):	McClure Engineering Co. 1360 NW 121st St, Clive, IA 50325
		Engineer's Contract Number:	191105-000

Application For Payment - Change Order Summary		
Approved Change Orders		
Number	Additions	Deductions
001	\$ 10,030.00	\$ -
Totals:	\$ 10,030.00	\$ -
Net Change by Change Order:	\$ 10,030.00	

1. Original Contract Price.....	\$ 2,947,680.00
2. Net change by Change Orders.....	\$ 10,030.00
3. Current Contract Price (Line 1 ± 2).....	\$ 2,957,710.00
4. Total Completed and Stored to Date (Column F on Progress Estimate).....	\$ 2,957,710.00
5. Retainage	
a. 0.0% X \$ 2,957,710.00 Work Completed.....	\$ -
b. 0.0% X \$ - Stored Material.....	\$ -
c. Early Release of Retainage.....	\$ -
d. Total Retainage (Line 5a + Line 5b).....	\$ -
6. Amount Eligible to Date (Line 4 - Line 5c).....	\$ 2,957,710.00
7. Less Previous Payments (Line 6 from prior Application).....	\$ 2,883,542.25
8. Amount Due This Application.....	\$ 74,167.75
9. Balance to Finish, Plus Retainage (Column G on Progress Estimate + Line 5 above).....	\$ -

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Sarah Norris

Date: 5/31/2022

Payment of:

\$74,167.75

(Line 8 or other - attach explanation of the other amount)

is recommended by:

(McClure Engineering Co.)

 6/1/22
(Date)

Payment of:

(Line 8 or other - attach explanation of the other amount)

is approved by:

(City of Grimes, IA)

(Date)

Approved by:

Funding Agency (if applicable)

(Date)

* ACCEPTANCE BY AGENCY: The review and acceptance of this estimate does not attest to the correctness of

Progress Estimate - Lump Sum Work

Contractor's Application

For (Contract):	New 1.5 MG Elevated Water Storage Tank				Application Number:	19 (Nineteen) - FINAL		
Application Period:	1/1/2022	to	4/1/2022		Application Date:	5/12/2022		
A		B	Work Completed		E	F		G
			C	D				
Specification Section Number	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F/B)	Balance to Finish (B - F)
1	Contract Award - Bonds & Insurance	\$ 53,700.00	\$ 53,700.00	\$ -		\$ 53,700.00	100.00%	\$ -
2	Engineering & Design	\$ 203,600.00	\$ 203,600.00	\$ -		\$ 203,600.00	100.00%	\$ -
3	Tank Material	\$ 395,655.00	\$ 395,655.00	\$ -		\$ 395,655.00	100.00%	\$ -
4	Fabrication & Ship (CET Crew)	\$ 98,300.00	\$ 98,300.00	\$ -		\$ 98,300.00	100.00%	\$ -
5	Fabrication & Ship (Tank Crew)	\$ 168,500.00	\$ 168,500.00	\$ -		\$ 168,500.00	100.00%	\$ -
6	Mobilization (Subcontractor)	\$ 46,680.00	\$ 46,680.00	\$ -		\$ 46,680.00	100.00%	\$ -
7	Site Prep	\$ 46,320.00	\$ 46,320.00	\$ -		\$ 46,320.00	100.00%	\$ -
8	Deep Foundation	\$ 198,620.00	\$ 198,620.00	\$ -		\$ 198,620.00	100.00%	\$ -
9	Foundation Construction	\$ 440,000.00	\$ 440,000.00	\$ -		\$ 440,000.00	100.00%	\$ -
10	Piping (At Grade & Buried)	\$ 50,300.00	\$ 50,300.00	\$ -		\$ 50,300.00	100.00%	\$ -
11	Mobilization (CB&I)	\$ 69,700.00	\$ 69,700.00	\$ -		\$ 69,700.00	100.00%	\$ -
12	Concrete Shaft Construction (CET Crew)	\$ 448,200.00	\$ 448,200.00	\$ -		\$ 448,200.00	100.00%	\$ -
13	Tank Erection	\$ 183,200.00	\$ 183,200.00	\$ -		\$ 183,200.00	100.00%	\$ -
14	Paint Tank (At Grade)	\$ 120,000.00	\$ 120,000.00	\$ -		\$ 120,000.00	100.00%	\$ -
15	Hoist Tank	\$ 65,000.00	\$ 65,000.00	\$ -		\$ 65,000.00	100.00%	\$ -
16	Paint Tank (In Air)	\$ 136,600.00	\$ 136,600.00	\$ -		\$ 136,600.00	100.00%	\$ -
17	Doors & Interior Built-out	\$ 36,285.00	\$ 36,285.00	\$ -		\$ 36,285.00	100.00%	\$ -
18	Electrical & Controls	\$ 139,870.00	\$ 139,870.00	\$ -		\$ 139,870.00	100.00%	\$ -
19	Sterilize & Fill	\$ 3,500.00	\$ 3,500.00	\$ -		\$ 3,500.00	100.00%	\$ -
20	Concrete Floor	\$ 8,000.00	\$ 8,000.00	\$ -		\$ 8,000.00	100.00%	\$ -
21	Final Site Work (Fence / Lanscape / Final Grading)	\$ 35,650.00	\$ 35,650.00	\$ -		\$ 35,650.00	100.00%	\$ -
CO-001	Change Order #1	\$ 10,030.00	\$ 10,030.00	\$ -		\$ 10,030.00	100.00%	\$ -
	Total	\$ 2,957,710.00	\$ 2,957,710.00	\$ -	\$ -	\$ 2,957,710.00	100.00%	\$ -

Stored Material Summary

Contractor's Application

[illegible]

Partial Pay Estimates Paid-to-Date

Contractor's Application

For (Contract):	New 1.5 MG Elevated Water Storage Tank				Application Number:	19 (Nineteen) - FINAL
					Application Date:	5/12/2022
Application Period:	From:	1/1/2022	To:	4/1/2022	Contractor:	CB&I, LLC PO Box 675084, Dallas, TX 75267-5084

Original Contract Amount: \$ 2,947,680.00

Approved Change Orders:

Number	Date	Amount
001	1/12/2021	\$ 10,030.00

Revised Contract Amount: \$ 2,957,710.00

Pay Estimates Paid-to-Date

Pay Estimate Number	Date	Amount
001	6/17/2019	\$ 123,146.60
002	7/15/2019	\$ 102,343.50
003	8/19/2019	\$ 254,457.50
004	10/15/2019	\$ 94,335.00
005	12/3/2019	\$ 288,108.40
006	2/3/2020	\$ 110,987.55
007	2/19/2020	\$ 77,204.89
008	5/18/2020	\$ 222,347.59
009	6/15/2020	\$ 98,255.22
010	7/20/2020	\$ 408,557.19
011	8/17/2020	\$ 279,415.86
012	9/14/2020	\$ 156,693.14
013	10/19/2020	\$ 185,525.50
014	10/28/2020	\$ 100,493.61
015	12/15/2020	\$ 177,171.20
016	2/1/2021	\$ 69,506.37
017	8/16/2021	\$ 45,330.20
018 - SUBFINAL	1/31/2022	\$ 89,662.93

Total Estimates Paid to Date: \$ 2,883,542.25

019 - FINAL	6/14/2022	\$ 74,167.75
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Total Construction Cost: \$ 2,957,710.00



CB&I LLC (SPS Division)
915 N. Eldridge Parkway, Floor 13
Houston, TX 77079

INVOICE

MAIL TO:
City of Grimes
101 NE Harvey Street
Grimer, IA 50111

SOLD TO:
City of Grimes
101 NE Harvey Street
Grimer, IA 50111

Attn: Dan Wling
Ph. 515-971-3859
Email: dwling@mcresults.com

Job Location: Grimes, IA
Eng Proj #: 191105-000

INVOICE NO. 231044-19 Final
APPLICATION NO. 19
INVOICE DATE 05/12/22
DUE DATE 06/11/22
TERMS N30
A/P VENDOR NO. #

Work From Date: 06/20/21
Work Thru Date: 04/05/21
CBI Contract No. 374231044
CBI Customer No. 9503157
Project Manager Drew Rockafellow

DESCRIPTION
New 1.5 MG Elevated Water Storage Tank

Original Contract Price **\$2,947,680.00**
Change Order **\$10,030.00**
Total Contract Price **\$2,957,710.00**

<u>Schedule of Values</u>	<u>PRICE</u>	<u>% COMPLETE</u>	<u>AMOUNT DUE</u>
1 Contract Award - Bonds & Insurance	\$53,700.00	100%	\$53,700.00
2 Engineering & Design	\$203,600.00	100%	\$203,600.00
3 Tank Material	\$395,655.00	100%	\$395,655.00
4 Fabrication & Ship (CET Crew)	\$98,300.00	100%	\$98,300.00
5 Fabrication & Ship (Tank Crew)	\$168,500.00	100%	\$168,500.00
6 Mobilization (Subcontractor)	\$46,680.00	100%	\$46,680.00
7 Site Prep	\$46,320.00	100%	\$46,320.00
8 Deep Foundation	\$198,620.00	100%	\$198,620.00
9 Foundation Construction	\$440,000.00	100%	\$440,000.00
10 Piping (at Grade & Buried)	\$50,300.00	100%	\$50,300.00
11 Mobilization (CB&I)	\$69,700.00	100%	\$69,700.00
12 Concrete Shaft Construction (CET Crew)	\$448,200.00	100%	\$448,200.00
13 Tank Erection	\$183,200.00	100%	\$183,200.00
14 Paint Tank (At Grade)	\$120,000.00	100%	\$120,000.00
15 Hoist Tank	\$65,000.00	100%	\$65,000.00
16 Paint Tank (In Air)	\$136,800.00	100%	\$136,800.00
17 Doors & Interior Build-out	\$36,285.00	100%	\$36,285.00
18 Electrical & Controls	\$139,870.00	100%	\$139,870.00
19 Sterilize & Fill	\$3,500.00	100%	\$3,500.00
20 Concrete Floor	\$8,000.00	100%	\$8,000.00
21 Final Site work (Fence/Landscape/Final Grading)	\$35,650.00	100%	\$35,650.00
22 CO-01	\$10,030.00	100%	\$10,030.00
	\$2,957,710.00		\$2,957,710.00

Total Completed to Date **\$2,957,710.00**
Less: Retention **0%** **\$0.00**
Total Amount Billed to Date **\$2,957,710.00**
Less: Amount Previously Invoiced **\$2,883,542.24**
Current Amount Due **\$74,167.76**

Regular Mail:
CB&I STORAGE TANK SOLUTIONS LLC
P.O. Box 675084
Dallas, TX 75267-5084

Overnight Mail:
BMO Harris Bank
Attn: Conduent Processing Lockbox 675084
12720 Hillcrest Road / Suite #115
Dallas, TX 75230

ACH or WIRE:
Account Name: CB&I Storage Tank Solutions LLC
Bank: Harris Bank
ABA No.: 071000288
SWIFT Code: HATRUS44XXX
Location: 111 West Monroe Street, Chicago, IL 60603
Account: 2073252

DIRECT QUESTIONS REGARDING: usainvoicing@mcdermott.com



CB&I LLC (SPS Division)

2103 Research Forest Drive, The Woodlands, Texas 77380

FINAL WAIVER OF LIEN

CB&I LLC Contract No. - **374231044**

THE UNDERSIGNED, FOR AND IN CONSIDERATION OF **ONE HUNDRED SIXTY THREE THOUSAND EIGHT HUNDRED AND THIRTY THOUSAND 68/100, (\$163,830.68)** HEREBY WAIVES AND RELEASES ANY AND ALL LIEN, OR CLAIM, OR RIGHT OF CLAIM, UNDER THE STATUTES OF THE STATE OF **IOWA**, RELATING TO MECHANICS' LIENS ON THE WORK AND PREMISES DESCRIBED AS FOLLOWS:

THE WORK DESCRIBED AS: **New 1.5 MG Elevated Water Storage Tank**

THE CITY OF: **Grimes, IA**

AND ON ANY AND ALL WORK SITUATED ON SAID PREMISES ON ACCOUNT OF ANY AND ALL LABOR, MATERIALS, SUPPLIES AND EQUIPMENT FURNISHED BY THE UNDERSIGNED FOR OR IN CONNECTION WITH THE WORK DESCRIBED ABOVE.

Executed this 5th Day of April, 2022.

Sarah Norris

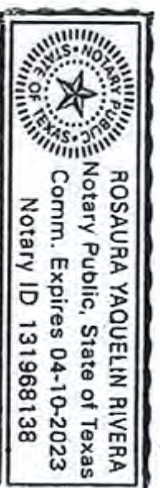
A/R Administrator
CB&I LLC (SPS Division)

Subscribed and sworn to before me this 5th Day of April, 2022.

Rosa Yaque

(SEAL)

NOTARY PUBLIC



CHANGE ORDER FORM



Project Title: 2022 Asphalt Overlay Project
Contractor: InRoads
Address: 4224 Hubbell Avenue, Des Moines, IA 50317
Finance Budget Code: 110-210-6761 **Finance Project #** 0
Vendor Project or Invoice #: 0 **PO #** 0
Original Contract Date: April 12, 2022 **Vendor #** 4303

Change Order Number: 1

Change Order Date: June 14, 2022

Purpose of Change Order:

Intake Size Modification, Remove and Replace Asphalt Curb, Extend Overlay on NE 4th St, Alley #1 Site Conditions differ from plan, Alley #2 Extend paving to resident, Alley #3 Reduce Limits of Project.

Details of Change Order:

ITEM #	DESCRIPTION	UNITS	QUANTITY CHANGE	UNIT PRICE	EXTENDED PRICE
1	TOPSOIL, OFF-SITE	CY	4.07	\$ 115.00	\$ 468.05
2	EXCAVATION, CLASS 10	CY	47.68	\$ 39.00	\$ 1,859.52
3	SUBBASE, MODIFIED, 6 IN	SY	341.23	\$ 15.00	\$ 5,118.45
4	INTAKE, SW-513	EA	-	\$ 1,650.00	\$ 1,650.00
5	MANHOLE ADJUSTMENT, MINOR	EA	1.00	\$ 2,450.00	\$ 2,450.00
7	PAVEMENT, PCC, 7 IN.	SY	2.78	\$ 110.00	\$ 305.80
8	CURB AND GUTTER, 30 IN, HEIGHT VARIES	LF	110.00	\$ 42.00	\$ 4,620.00
9	PAVEMENT, HMA	TON	50.39	\$ 94.00	\$ 4,736.66
11	FULL DEPTH PATCHES, HMA	TON	23.17	\$ 155.00	\$ 3,591.35
12	MILLING	SY	(158.11)	\$ 4.10	\$ (648.25)
13	PAVEMENT REMOVAL	SY	30.56	\$ 22.00	\$ 672.32
15	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND STRAW MAT	SF	220.00	\$ 2.50	\$ 550.00

Change Order Number: 1 makes the following adjustments to the contract: **\$ 25,373.90**

Contractor Accepted: InRoads, LLC
 Signature: [Signature] Firm Name: InRoads, LLC
 Date: 6/6/22

Engineer Approved: Justin Ernst, P.E. Bolton & Menk
 Signature: [Signature] Firm Name: Justin Ernst
 Date: 6/7/2022

Owner Accepted: City of Grimes MSA 6-8-22
 Signature: _____ Title: _____
 Date: _____

Attest for Owner:
 Signature: _____ Title: _____
 Date: _____

Record of Change Orders

#	Date	Amount
Original Contract Amount		\$ 318,959.00
1	May 31, 2022	\$ 25,373.90
2	June 14	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Revised Contract Amount **\$ 344,332.90**

CITY OF
GRIMES

Date Printed: 6/7/2022

[illegible]

City of Grimes Claims 6 14 2022

PREMIER OFFICE EQUIPMENT	STAFF COPIER - LIBRARY	305.24
CENTRAL PUMP AND MOTOR	CLOGGED PUMP/LIFT STATION	595.9
D&K PRODUCTS	TURF CHEMICALS	1,740.98
A KINGS THRONE LLC	PORTABLE TOILETS	8,974.18
AIA CORPORATION	DUTY UNIFORM - LONG	1,295.16
RASMUSSEN AMANDA	MILEAGE REIMBURSEMENT -LIBRARY	10.89
EUROFINS TESTAMERICA	WATER LABS	524
BAKER & TAYLOR	MATERIALS - LIBRARY	1,688.95
BANKERS TRUST COMPANY	CONF/SUPPLIES/MTG MEALS	6,753.51
BLACK HILLS ENERGY	GAS	1,533.72
BDI SIGNS	PROJECT SIGNAGE	935
BLACKBURN MFG. CO.	UTILITY LOCATES FLAGS	498.16
BIG GREEN UMBRELLA MEDIA	CHAMBER GUIDE AD - LIBRARY	813
SHADRAN INDUSTRIAL & SANI	MAY CLEANING	726.67
BOMGAARS	TOOLS AND INSPECTION SUPPLIES	2,888.81
BSN SPORTS	BATTERS BOX FOUNDATIONS	1,030.98
KOCH OFFICE GROUP	COPIER OVERAGE DS	350.64
CDW GOVERNMENT, INC.	EQUIPMENT PURCHASE/REPLACEMENT	3,019.22
CAPITAL SANITARY SUPPLY	SUPPLIES - LIBRARY	648.18
CENTRAL IOWA PEST	PEST CONTROL - GCC	325
CITY OF JOHNSTON	HWY 141 CORRIDOR STUDY-GRIMES	3,286.75
COLLECTION SERVICES CENTER	CHILD SUPPORT	1,378.42
CROWN TROPHY	BAM BAM CUSTOM PROGRAM RIBBONS	231.95
CULLIGAN WATER COND.	WATER COOLER - LIBRARY	46.2
CUSTOM STEEL BUILDERS	METAL FOR TRAILER RAMP REPAIR	140
DALLAS COUNTY RECORDER	MISCELLANEOUS HOPE K FARMS	32
DELL MARKETING L.P.	NEW PC PURCHASE	6,091.24
ELDER CORPORATION	HWY 141 & HWY 44 TRAFF SIGNAL	8,236.51
FAREWAY STORES, INC.	WATER	10.98
KERR KARALEE	MILEAGE REIMBURSEMENT -LIBRARY	117.18
CFI SALES	TURF TIRES TRACTOR 5093E	6,689.68
GAMETIME	PLAYGROUND EQUIPT - GCC	1,564.52
GOLDEN RULE PLUMBING	BATHROOM REPAIR - LIBRARY	123.5
GRAINGER	BUILDING CLEANING/FLOOR SCRBBR	5,649.27
HAWKINS INC.	CHEMICALS	23,122.40
RODAN OFFICE CLEANING	CLEANING - LIBRARY	630
HILLYARD	PARKS RESTROOMS - SOAP/SUPPLIES	1,302.40
HOOPLA	MATERIALS - LIBRARY	2,084.74
HOTSY CLEANING SYSTEMS, I	HOTSY REPAIR	1,184.29
RELIANT FIRE APPARATUS	REPAIR E371 DOOR ALARMS	1,258.82
RELIANT GASES, LTD	CO2 FOR LIME TREATED WATER	3,274.40
IOWA FINANCE AUTHORITY	WATER/SEWER LOAN PAYMENTS	1,623,568.23
INTERSTATE BATTERY	BATTERY/NOZZLE ON L375 MONITOR	30.45
IOWA DEPT OF REVENUE	Water Excise/Sales Tax May 2022	23,585.00
INTEGRATEDPRINT SOLUTIONS	PURCHASE ORDER FORMS	545.57
IOWA DOT	TRAFFIC PAINTS/BEADS	8,408.45
IOWA ONE CALL	LOCATES	550.9
IOWA PRISON INDUSTRIES	SIGN BLANKS	964.98
IOWA STORMWATER EDUCATION	MEMBERSHIP-IOWA STORMWATER	3,780.00
IOWA STATE UNIVERSITY - T	PROGRAMMING SUPPLIES - LIBRARY	239.78
HEID CHERYL	MILEAGE REIMBURSEMENT -LIBRARY	152.8
TENNAL KENTON	BASKETBALL CAMP	1,770.00
NATIONS KRISTEN	BOOT CAMP 4/19-5/27	360
KLEENER IMAGE, INC.	MULCH	547.2
KLINE ELECTRIC INC	PARKING LIGHT REPAIR	491.86
PETERS RYAN	HBI SPRING/FALL 21 SPRING 22	1,500.00
LIBERTY READY MIX	3350 SE CROSSROADS - REPAIR	945
LOGAN CONTRACTORS SUPPLY	CONCRETE	132.65
LOGOED APPAREL & PROMOTIO	DS CLOTHING/SAFETY	1,575.15
MARTIN MARIETTA AGGREGATE	EROSION STONE	933.57
METRO WASTE AUTHORITY	APRIL GARBAGE	56,633.92
MIDWEST INFLATABLES	SRP PRGRMMNG SPPLIES - LIBRARY	1,000.00
MIDAMERICAN ENERGY	ELECTRIC	63,571.31
MISSISSIPPI LIME CO.	QUICKLIME	4,887.20
MTI DISTRIBUTING INC.	VARIOUS IRRIGATION PARTS	1,212.52

MUNICIPAL SUPPLY, INC.	DUAL PORT MXU	10,746.00
O'HALLORAN INTERNATIONAL	S202 - AC REPAIR	6,334.26
O'REILLY AUTO PARTS	S204 - AC REPAIR PARTS	28.4
OFFICE DEPOT CITY HALL	OFFICE SUPPLIES	818.26
ONESOURCE BACKGROUND CHEC	BACKGROUND CHECKS	389.75
TRUE VALUE	SUPPLIES FOR PAINTING	15.97
PC PRINT CENTER	PROGRAMMING SUPPLIES - LIBRARY	143.7
PETTY CASH	PETTY CASH - LIBRARY	433.22
PETERSON PEST & TERMITE	PEST CONTROL - LIBRARY	35
POLK CO RECORDER	AGREEMENT MISCELLANEOUS	256
PLASTIC RECYCLING	TRASH CANS	1,262.60
RACOM CORPORATION	RADIO ACCESS	709.78
ELITE GLASS & METAL, LLC	DOOR REPAIR AT CITY HALL	1,090.00
TITAN MACHINERY	CONCRETE TRUCK REPAIR	786.26
SPORT CONSTRUCTION MIDWEST	NEW BASKETBALL COURT - GCC	28,400.00
SPRAYER SPECIALTIES	SPRAYER NOZZLE	6.86
THORPE WATER DEVELOPMENT	THORPE DISCONNECTS	200
TOTAL QUALITY	JUNE CONTRACT	6,562.71
UNITED CONTRACTORS, INC	CONCRETE BACKFILL	78.96
US WATER	Monthly bill	74,223.91
USA BLUE BOOK	SUPPLIES - WATER PLANT	914.11
VERIZON WIRELESS, BELLEVU	CELL PHONES & HOT SPOTS	668.21
VEENSTRA AND KIMM, INC.	WRA CONNECTOR	39,108.44
VAN WALL EQUIPMENT	PARTS FOR EQUIPT REPAIR	387.87
WEST SIDE MECHANICS	REPAIR AC A373	1,494.15
WILLIAMS SCOTSMAN, INC	MOBILE OFFICE	376.45
BRAVO GREATER DES MOINES	28E AGRMNT - 3RD QTR PMT FY22	4,249.54
MERCYONE OCCUPATIONAL HEA	RANDOM TESTING	210
BRIGHTLY	MOBILE 311	9,473.48
DIAMOND OIL COMPANY	FUEL/GENERATOR/WW PLANT	1,437.57
ELM USA	DISC BUFFER - LIBRARY	25
FINDAWAY WORLD LLC	MATERIALS - LIBRARY	44.99
CENTURY LINK	PHONE	108.02
GALLS, LLC - DBA CARPENTE	CLASS A ITEMS - LONG	389.95
RJ MARTIN EXCAVATING & TR	HAULING OUT JUNK DIRT	600
IOWA DEPT. NAT. RESOURCES	PERMIT #7736001 ADM CONSENT ORDER	9,000.00
EFTPS	FED/FICA TAX	46,628.75
KANOPY INC	MATERIALS - LIBRARY	35
CSG FORTE PAYMENTS, INC	CC FEES	4,181.25
FISK ERIK	NOTARY TRAINING/RENEWAL- FISK	60
POLK CO TREASURER	MAY CONTRACT 2022	111,412.00
PFALTZGRAFF ALEX	REIMBURSEMENT - SAN DIEGO	152.65
EAKLE ROBERT/PATRICIA	HBI SPRING 2022	500
GWORKS	PO MODULE FOR SOFTWARE	5,280.00
DES MOINES ASPHALT & PAVE	POTHOLE MIX	373.68
CB&I LLC	WATER TOWER PROJECT	74,167.75
UMB BANK, N.A.	DEBT/INTEREST PAYMENTS	4,214,239.99
MENARDS GRIMES	SUMP PUMP-HOSE-FASTENERS	452.75
MI-FIBER, LLC	INTERNET	472.8
BOLTON AND MENK INC	HWY 44 & SW CNTY LINE IMPRVMT	3,309.00
SHAFER, ERIC	SPEED/AGILITY/SOCCER CAMP	1,243.50
BULK TRANSPORT CO EAST	LIME	2,612.03
COPY SYSTEMS INC	MONTHLY FIRE COPIER CONTRACT	39
SHANK CONSTRUCTORS INC	WRA CONNECTOR-CONTRACT 4	772,358.06
INVISION	CONSTRUCTION ADMIN - LIBRARY	7,802.99
VOYA	DEFER COMP PRE	3,613.46
AIG	DEFER COMP PRE	382.5
HORACE MANN	DEFER COMP ROTH	275
MASSMUTUAL	DEFER COMP ROTH	955
CHRISTENSEN DEVELOP 1 LLC	BUILDING CONSULTING - LIBRARY	10,000.00
NILLES ASSOCIATES	2021 4TH QTR LMP SUM SERVICES	15,625.00
LUMEN CENTURY LINK	PHONE	556.33
MSA PROFESSIONAL SERVICES	SE TRAIL RIDGE WATER MAIN	21,724.70
BUYROLLS.COM	RECEIPT PRINTER - LIBRARY	178.41
REDBUD LLC	KENNYBROOK WETLAND LANDSCAPING	13,389.30
MICROMARKETING LLC	MATERIALS - LIBRARY	34

ANKENY SANITATION	MAY RECYCLING	3,491.34
TRANSIT WORKS	GPS BATTERY	243.5
MILLERBERND MFG COMPANY	HWY 44/CNTY LN RD TRF SGN EQPT	3,571.00
MESTON BROTHERS IRRIGATIN	NS CMLX LOT - IR REPAIR	8,555.60
WAUKEE POWER EQUIPMENT	MOWER REPAIR	199.32
NORTHERN TOOL & EQUIPMENT	MOWER JACK	604.21
RENEWABLE ENERGY GROUP	TANK RENTAL	115
PER MAR SECURITY SERVICES	MONITORING SERVICES 6/28-9/27	204.72
I&S GROUP, INC	GLENSTONE DISC GOLF COURSE	2,500.00
EBS	EMPLOYEE INSURANCE	3,176.98
SYNERGY FIRE & SAFETY	SLUDGE HAULING	22,137.16
SPORTS FACILITIES ADVISOR	GRIMESPLEX PLANNING	50,000.00
MONOPRICE INC	NETWORK CABLES	184.12
CENTRAL IOWA OFFICIALS	ADULT SLOW PITCH OFFICIALS	630
CITY OF GRIMES FLEX	EMPLOYEE FLEX	3,323.98
INROADS LLC	2022 ASPHALT OVERLAY PROJECT	269,098.41
ALL COURT FABRICS, INC.	TENNIS COURTS/WIND SCREENS	2,033.20
HEARTLAND BUSINESS	VEEAM BACKUP-MICROSOFT OFFICE	2,907.00
NADAREVIC INVESTMENTS IV	STORM SEWER MANHOLE REPLACEMNT	4,375.50
TVEYES INC.	MEDIA MONITORING SUBSCRIPTION	2,400.00
SHERWOOD DENA	REFUNDABLE DEPOSIT/ROOM RENTAL	100
REGENTS OF UNIV. OF MN	LIBRARY CARDS - LIBRARY	450
AMERICA'S INK & TONER	INK - LIBRARY	53
ZOOPS FUN ZONE	PROGRAMMING SUPPLIES - LIBRARY	375
KATHY STEVENS FACE PAINT	PROGRAMMING SUPPLIES - LIBRARY	275
HOPE K FARMS LLC PERM	PERMANENT EASEMENT	10,593.00
HOPE K FARMS LLC TEMP	TEMPORARY EASEMENT	500
NATIONAL STORMWATER	SW MS4 TRAINING - KENDRA	824
BAKER ELECTRIC	TRAFFIC LIGHT REPAIR	823.44
DEPOSIT REFUNDS	REFUND DATE 06/01/2022	1,947.82
PAYROLL CHECKS	TOTAL PAYROLL CHECKS	134,682.52
	CLAIMS TOTAL	7,941,939.12
	GENERAL FUND	402,560.74
	LIBRARY FUND FUND	26,237.12
	ROAD USE TAX FUND	286,561.36
	EMPLOYEE BENEFITS FUND	210
	HOTEL/MOTEL/ECON DEV FUND	4,249.54
	DEBT SERVICE FUND	4,214,239.99
	CP - GRIMES COMMUNITY COM FUND	14,200.00
	KENNYBROOK PK WQI IMPRV FUND	13,389.30
	CP-Water Tower 2019 FUND	74,167.75
	CP-Water Plant Exp 2019 FUND	136,613.80
	WRA SANI SEWER PHASE 1 FUND	51,136.44
	HWY44 & COUNTY LN RD 2020 FUND	6,880.00
	HWY 141 & HWY 44 SIGNAL FUND	8,236.51
	N SPORTS COMPLEX PARKING FUND	8,972.50
	GRIMES LIBRARY BLDG FUND FUND	17,802.99
	TRL RDG/BEAV/JACOB WTR MN FUND	14,307.80
	WRA SANI SWR PHS 4 FUND	635,744.26
	JACOB ST OVERLAY PROJ FUND	7,000.00
	GRIMESPLEX FUND	50,000.00
	WATER FUND	149,281.37
	WATER DEPOSITS FUND	1,905.96
	WATER SINKING FUND	1,429,064.24
	SEWER FUND	114,819.81
	SEWER SINKING FUND	194,503.99
	LANDFILL/GARBAGE FUND	60,127.26
	STORM WATER FUND	19,726.39
		7,941,939.12

MINUTES PROVIDING FOR THE
SECOND CONSIDERATION OF AN
ORDINANCE DELETING PROPERTY
FROM A TAX INCREMENT FINANCING
DISTRICT FOR THE GRIMES URBAN
RENEWAL AREA

(Second Consideration)

419952-86

Grimes, Iowa

June 14, 2022

The City Council of the City of Grimes, Iowa, met on June 14, 2022, at 5:30 o'clock p.m., at the Grimes Community Center, 410 SE Main Street, in the City.

The Mayor presided and the roll was called showing members present and absent, as follows:

Present: _____

Absent: _____.

The Mayor announced that, on May 24, 2022, the City Council had given its initial consideration to an ordinance entitled "Ordinance No.766. An Ordinance Deleting Property From the Tax Increment Financing District for the Grimes Urban Renewal Area of the City of Grimes, Iowa, Pursuant to Section 403.19 of the Code of Iowa."

It was moved by Council Member _____ and seconded by Council Member _____ that the aforementioned ordinance be given its second consideration and that it be adopted. The Mayor put the question on the motion and the roll being called, the following named Council Members voted:

Ayes: _____

Nays: _____.

Whereupon, the Mayor declared the motion duly carried and declared that said ordinance had been given its second consideration.

• • • • •

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor Scott Mikkelsen

Attest:

City Clerk Rochelle Williams

ORDINANCE NO. 766

An Ordinance Deleting Property From the Tax Increment Financing District for the Grimes Urban Renewal Area of the City of Grimes, Iowa, Pursuant to Section 403.19 of the Code of Iowa

WHEREAS, the City Council of the City of Grimes, Iowa (the "City") previously enacted a certain ordinance providing for the division of taxes levied on taxable property in the Grimes Urban Renewal Area pursuant to Section 403.19 of the Code of Iowa; and

WHEREAS, pursuant to such ordinance, a portion of the Grimes Urban Renewal Area in the City was designated a "tax increment district"; and

WHEREAS, the City Council now desires to decrease the size of the "tax increment district" by deleting certain property;

BE IT ENACTED by the City Council of the City of Grimes, Iowa:

Section 1. Purpose. The purpose of this ordinance is to delete certain property from the tax increment financing district for the Grimes Urban Renewal Area.

Section 2. Definitions. For use within this ordinance the following terms shall have the following meanings:

"Deleted Property" shall mean the real property legally described as follows:

POLK COUNTY PARCEL NUMBER 311/00305-435-106
WARRANTY DEED RECORDED IN BOOK 18853, PAGE 390

OUTLOT "A" EXCEPT THAT PART DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF SAID OUTLOT "A";
THENCE NORTH 89°31'52" WEST ALONG THE SOUTH LINE OF SAID
OUTLOT "A", 59.82 FEET; THENCE NORTH 58°29'11" EAST, 70.42 FEET
TO THE EAST LINE OF SAID OUTLOT "A"; THENCE SOUTH 00°19'39"
WEST ALONG SAID EAST LINE, 37.30 FEET TO THE POINT OF
BEGINNING AND CONTAINING 0.03 ACRES (1,116 S.F.) ALL IN
GLENSTONE TRAIL PLAT 2, AN OFFICIAL PLAT, NOW INCLUDED IN
AND FORMING A PART OF THE CITY OF GRIMES, POLK COUNTY,
IOWA.

Section 3. The Deleted Property is hereby removed from the tax increment financing district for the Grimes Urban Renewal Area. No division of property tax revenues as provided under Section 403.19 of the Code of Iowa shall be done with respect to the Deleted Property without further action by the City Council.

Section 4. Repealer. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 5. Saving 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 effective after its final passage, approval and publication as provided by law.

Passed and approved by the City Council of the City of Grimes, Iowa, on June 28, 2022.

Mayor Scott Mikkelsen

Attest:

City Clerk Rochelle Williams

First reading: May 24, 2022

Second reading: June 14, 2022

• • • • •

There being no further business to come before the meeting, it was upon motion adjourned.

Mayor

Attest:

City Clerk



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING:

Second Reading of Ordinance 763 – Fagen Property Rezone and Development Agreement

SYNOPSIS:

The applicant is requesting approval of a rezoning from A-1 to R-4 and R-3 Medium for approximately 31.64 acres generally located east of Highway 141 and south of NE Beaverbrooke Boulevard. The R-4 zoning district will allow for commercial and high density residential. The R-3 Medium zoning district will allow for medium density residential along the east side of the property, consistent with the Future Land Use Plan. A Development Agreement will be approved as part of the rezoning to outline the zoning standards and required public improvements for the development.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

N/A

BOARD/COMMISSION ACTION(S):

Planning and Zoning Commission recommended approval – 05/04/2022

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Fagen Property rezoning subject to any remaining staff comments.

Planning & Zoning Staff Report



TO: Planning and Zoning Commission
FROM: Molly Mannel, Assistant Planner
DATE: May 4, 2022
RE: Fagen Property – Rezoning

GENERAL INFORMATION:

Applicant:

Signature Companies

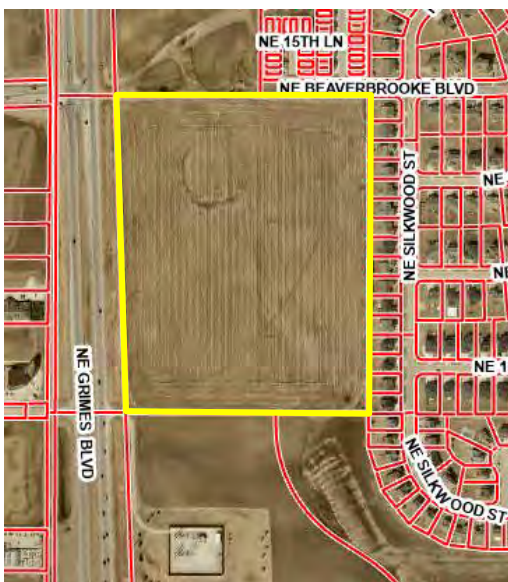
Requested Action

Rezoning

Location

Generally located east of Highway 141 and south of NE Beaverbrook Blvd.

SUPPORTING INFORMATION:



Location Map



Zoning Map

LAND USES & ZONING:

Location	Existing Land Use	Land Use Plan Designation	Current Zoning
Subject Site	Vacant	Mixed-Use 1/Medium Density Residential	A-1
North	Townhomes and Vacant	Mixed-Use 1	C-2
South	Vacant	Mixed-Use 1	A-1 and R-4
East	Single-Family	Low Density Residential	R-1
West	Highway 141/Commercial	Mixed-Use 1	R-4

BACKGROUND:

The applicant is requesting approval of a rezoning from A-1 to R-4 and R-3 Medium for approximately 31.64 acres generally located east of Highway 141 and south of NE Beaverbrooke Blvd. The R-4 zoning district will allow for commercial and high density residential, while the R-3 Medium zoning district will allow for medium density residential along the east side of the property.

ANALYSIS:*Land Use:*

The applicant desires to rezone the property to R-4 and R-3 Medium to provide commercial lots, and high density and medium density housing. The proposed R-4 and R-3 Medium zoning districts are consistent with the surrounding area and the Mixed-Use 1 and Medium Density Residential land use designations.

Site Layout:

The applicant has provided a conceptual plan for the site showing seven development lots and the extension of two public streets: NE Destination Drive and NE Beaverbrooke Blvd. Six of the development lots are proposed to be for commercial use along Highway 141 and west of NE Destination Drive. One lot to the east of NE Destination Drive is proposed to be for residential use. The concept depicts four apartment buildings and 21 rows of either 5-plex or 6-plex townhomes. Internal streets will run through the site to provide connectivity to all residences. The apartment buildings are proposed to provide 50 covered garages, a small dog park, and club house building. Designated parking spaces for townhome visitors will also be provided on the site.

Two detention ponds are proposed for the residential development. Stormwater basins are anticipated for each individual commercial lot. All buildings are required to meet the Highway 141 Mixed Use Development Corridor District architectural standards.

Landscaping/Streetscape:

A 30-foot landscaped buffering will be placed between the east townhomes and the existing single-family homes along NE Silkwood Street. A streetscape is proposed to be placed along

NE Destination Drive. All lots will be required to meet the Highway 141 Mixed Use Development Corridor District landscaping standards.

Utilities:

Water is existing along NE Beaverbrooke Blvd. New water main will be constructed with the NE Destination Drive street improvements. An existing sanitary stub is available at the northwest corner of the site.

Proposed Development Standards:

The Development Agreement for the project is proposed to include the following development standards:

Medium-Density Residential: Areas designated as Medium-Density Residential are intended for attached or detached dwelling units.

Development Standards:

Setbacks:

Front – 30'

Rear – 20'

Side – 10'

Building Separation – 20'

Maximum Building Height: 35 Feet – 2 Stories

Minimum Dwelling Size: 2-bedroom – 1,078 square feet finished area. 3-bedroom – 1,253 square feet finished area.

Building Materials: Minimum 75% brick/stone/masonry

Open Space: Minimum 20%

Maximum Density: 8 dwelling units per acre

High-Density Residential: Areas designated as High-Density Residential are intended for multi-family dwelling units.

Development Standards:

Setbacks:

Front – 30'

Rear – 20'

Side – 20'

Building Separation – 20'

Maximum Building Height: 3 Stories – 50'

Building Materials: Minimum 75% brick/stone/masonry

Open Space: Minimum 20%

Maximum Density: 21 dwelling units per acre

Commercial: The area designated as Commercial is intended to provide commercial uses. The commercial area will allow uses permitted in the C-2 zoning district.

Development Standards:

Open Space: Minimum 20%

Setbacks:

Front – 20'

Rear – 25'

Side – 0'

Maximum Height – 45'

Maximum Stories – 3

Building Materials: Minimum 75% brick/stone/masonry

ROW Dedication:

Right-of-way dedication for NE Destination Drive and NE Beaverbrooke Boulevard will be required as part of the PUD.

Public Improvements:

The required public improvements for this rezone include NE Destination Drive and NE Beaverbrooke Boulevard. A new water main will be constructed with the NE Destination Drive street improvements. All required public improvements will be outlined in the Development Agreement and reflected on the rezoning concept.

Parkland Dedication:

Approximately 2.82 acres of parkland dedication will be required. A fee in lieu of providing parkland onsite will be an acceptable option for the City of improve parks in the area.

STAFF RECOMMENDATION:

Staff would recommend approval of the Fagen Property rezoning subject to any remaining staff comments.

CITY OF GRIMES

Molly Mannel

Assistant Planner



Development Services

410 SE Main St, Suite 102

Grimes, IA 50111

(515)986-4050

www.grimesiowa.gov

~~April 5, 2022~~
April 19, 2022

Signature Companies

Attn: Brian Atwood
3430 SE Destination Drive, Suite 400
Grimes, IA 50111

RE: Fagen Property

Dear Mr. Atwood:

The Development Services Department is in receipt of a proposed Rezoning for the Fagen Property. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

- ~~1. The site is located within the Highway 141 Mixed Use Development Corridor. Please include this within your zoning.~~
- ~~2. Please change the street name from NE Grimes Blvd/HWY 141 to NE Destination Drive on the PUD Exhibit.~~
- ~~3. Please use the previous concept plan that we have been reviewing with your team showing the buffering, detention, development summaries, visitor parking, densities, etc. and add the commercial concept to the plan~~
- ~~4. What is the width of the street that serves the townhomes? Will street parking be allowed? Fire Department is concerned about the street width.~~
- ~~5. Please label sidewalks/trails along public streets on the concept plan.~~

~~Yes, sidewalks will be constructed as each lot develops. Northpointe Townhomes will complete their portion of the sidewalk along Beaverbrooke frontage.~~

~~Please add a sidewalk crossing across Beaverbrooke, near the roundabout, to connect to the north sidewalk.~~

- ~~6. Staff would like to note that the properties along Highway 141 will have a 100' setback requirement. Based on the concept, the setback may be an issue for the commercial properties. If that is a concern for your team, staff would suggest adding the commercial area to the PUD to adjust the setback to better suit the proposed lots and match the commercial development across Highway 141 (which do not have the 100' setback requirement). This would require a revised legal description for the PUD area.~~
- ~~7. Based on the comment above, a revised rezoning map for the PUD would be required to show the 250' buffer around the PUD area.~~
- ~~8. Please provide a map showing the three land use areas: commercial, high density multi-family, medium density townhomes.~~
- ~~9. The consent documents are missing the Exhibit A attachments. Please provide.~~
- ~~10. Provide example elevations for the multi-family and townhomes.~~
- ~~11. Provide remaining consent documents to provide 50.1% consent. Please provide MidAmerican consent documents once received.~~
- ~~12. Please update PUD Exhibit to show the C-2 district within the revised PUD Area.~~
13. Staff will provide a development agreement outlining the development zoning standards and required public improvements.

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:	April 11, 2022 April 25, 2022 (1 PDF of Rezoning Map and Concept Plan)
PLANNING & ZONING:	May 4th at 5:30 at the Grimes City Hall
COUNCIL MEETING:	May 18th 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

NE BEAVERBROOK BLVD

NE GRIMES BLVD / HWY 141

NE BEAVERBROOKE BLVD

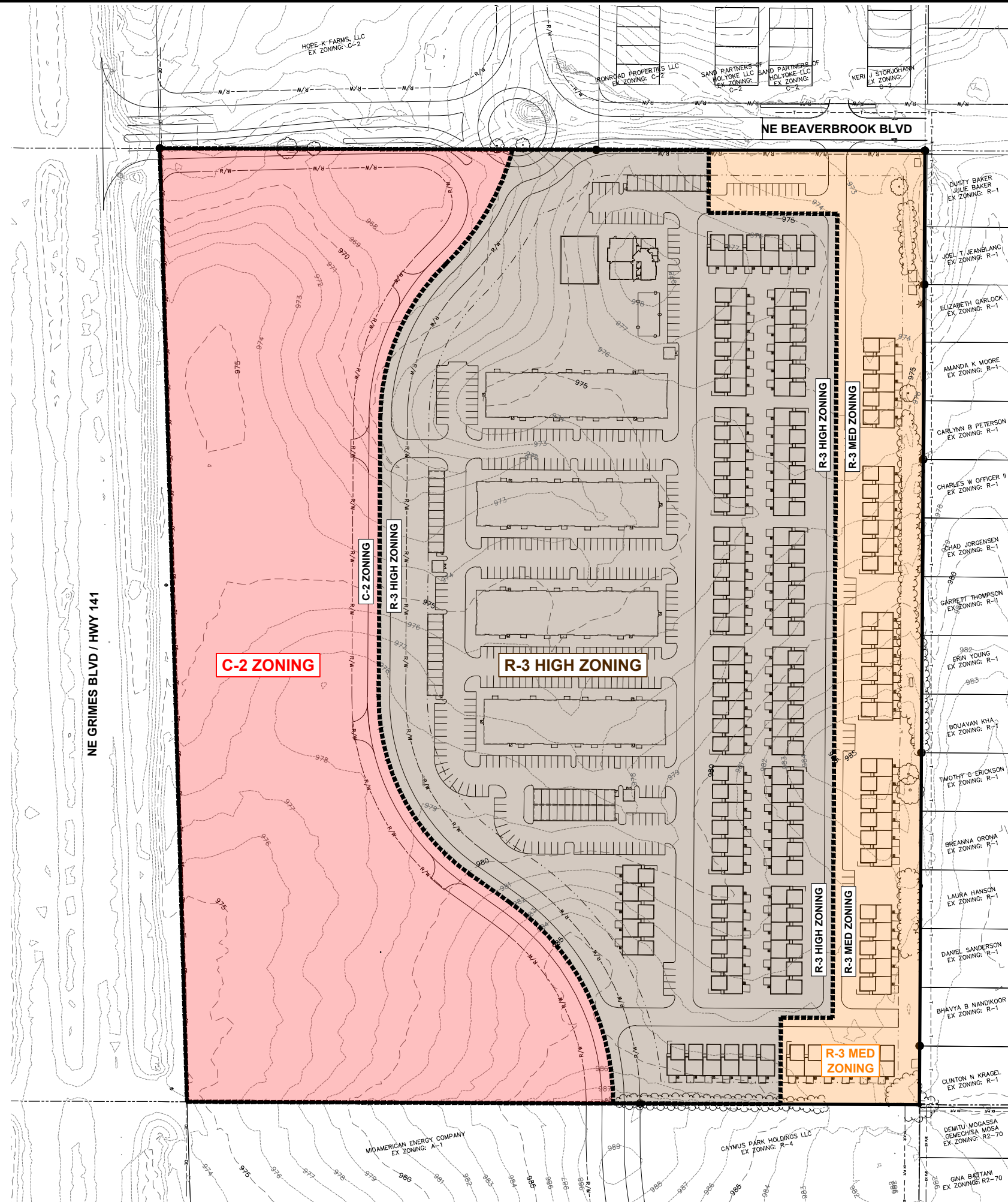
NE SILKWOOD ST

NW 10TH STREET

SITE

SCHOOL

CIVIL DESIGN ADVANTAGE
CONTACT: JARED MURRAY
4121 NW URBANDALE DRIVE
URBANDALE, IOWA 50322
PH. (515) 369-4400
EMAIL. JAREDM@CDA-ENG.COM





ORDINANCE #763

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 FAGEN PROPERTY 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 31.64 acres legally described on Exhibit A (the "Property") from A-1 (Agricultural District) to R-4 (Planned Residential Development District) and 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-4 and R-3 Medium Zoning Classification. Said restrictions are set forth in the Zoning Change and Development Agreement (the "Agreement") by and between the City of Grimes, Iowa, and Signature Companies. 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 ____ day of ____, 2022.

ATTEST:

Scott Mikkelsen, Mayor

Rochelle Williams, City Clerk

Exhibit A

Legal Description of Property

PUD REZONING DESCRIPTION

A PART OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, 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 OUTLOT 'X', NORTH POINTE PLAT 1, AN OFFICIAL PLAT IN SAID CITY OF GRIMES; THENCE SOUTH 89°49'33" EAST ALONG THE NORTHERLY LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER, 763.49 FEET; THENCE SOUTH 00°20'06" WEST, 87.38 FEET; THENCE SOUTH 89°39'54" EAST, 179.05 FEET; THENCE SOUTH 00°20'06" WEST, 1117.50 FEET; THENCE NORTH 89°39'54" WEST, 71.79 FEET; THENCE SOUTH 00°20'06" WEST, 120.36 FEET TO THE SOUTH LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER; THENCE NORTH 89°46'05" WEST ALONG SAID SOUTH LINE, 825.10 FEET TO THE EASTERLY RIGHT OF WAY LINE OF NE GRIMES BOULEVARD; THENCE NORTH 01°38'20" WEST ALONG SAID EASTERLY RIGHT OF WAY LINE, 1325.37 FEET TO THE POINT OF BEGINNING AND CONTAINING 27.42 ACRES (1,194,434 SQUARE FEET).

THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.

R-3 MED REZONING DESCRIPTION

A PART OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, 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 NORTHEAST CORNER OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER; THENCE SOUTH 00°20'06" WEST ALONG THE EASTERLY LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER, 1325.74 FEET TO THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER; THENCE NORTH 89°46'05" WEST ALONG THE SOUTHERLY LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER, 193.29 FEET; THENCE NORTH 00°20'06" EAST, 120.36 FEET; THENCE SOUTH 89°39'54" EAST, 71.79 FEET; THENCE NORTH 00°20'06" EAST, 1117.50 FEET; THENCE NORTH 89°39'54" WEST, 179.05 FEET; THENCE NORTH 00°20'06" EAST, 87.38 FEET TO THE NORTHERLY LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER; THENCE SOUTH 89°49'33" EAST ALONG SAID NORTHERLY LINE, 300.55 FEET TO THE POINT OF BEGINNING AND CONTAINING 4.26 ACRES (185397 SQUARE FEET).

THE PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS OF RECORD.



*101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846*

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING:

Second Reading of Ordinance 764 – Herndon Property Rezone and Development Agreement

SYNOPSIS:

The applicant is requesting approval of a rezoning from A-1 to M-1A for approximately 77.52 acres generally located at the northwest corner of SE 37th Street and South James Street. The rezoning will allow for commercial and light industrial uses, and is consistent with the Business Park land use designation in the Future Land Use Plan. A Development Agreement will be approved as part of the rezoning to outline the zoning standards and required public improvements for the development.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

N/A

BOARD/COMMISSION ACTION(S):

Planning and Zoning Commission recommended approval – 05/04/2022

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Herndon Property rezoning subject to any remaining staff comments.

Planning & Zoning Staff Report



TO: Planning and Zoning Commission
FROM: Molly Mannel, Assistant Planner
DATE: May 4, 2022
RE: Herndon Property – Rezoning

GENERAL INFORMATION:

Applicant:

Anderson Properties

Requested Action

Rezoning

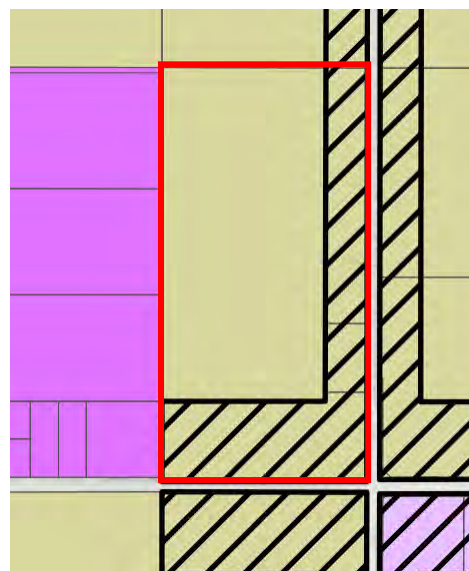
Location

Generally located at the Northwest Corner of SE 37th Street and South James Street

SUPPORTING INFORMATION:



Location Map



Zoning Map

LAND USES & ZONING:

Location	Existing Land Use	Land Use Plan Designation	Current Zoning
Subject Site	Vacant	Business Park	A-1
North	Vacant	Business Park	A-1
South	Vacant	Business Park	A-1
East	Vacant	Business Park and Future Parks & Rec	A-1
West	Industrial	General Industrial	M-2

BACKGROUND:

The applicant is requesting approval of a rezoning from A-1 to M-1A for approximately 77.52 acres generally located at the northwest corner of SE 37th Street and South James Street. The rezoning will allow for commercial and light industrial uses. The proposed concept is similar to Legacy Park.

ANALYSIS:*Land Use:*

The applicant desires to rezone the property to M-1A to provide four individual lots and one outlot for future commercial and light industrial development. The proposed M-1A zoning district is consistent with the surrounding areas and the Business Park land use designation.

Site Layout:

The concept plan shows four development lots and one outlot for future development. Warehouse space and office buildings will be the primary intended uses for this site. Stormwater basins are anticipated to be provided for each individual lot. Internal streets will run through the site to provide connectivity for users and access for the Fire Department.

Landscaping/Streetscape:

Each individual lot will provide landscaping to screen the loading docks from the right-of-way. Lots within the Transportation Corridor Mixed Use Development Overlay District will be required to meet the landscaping standards the for overlay.

Utilities:

Sanitary is existing along South James and crosses through the middle of the site. Water is existing along SE 37th Street and South James Street. Future utilities will be constructed with the future SW 28th Street improvements on the north side of the site.

STAFF RECOMMENDATION:

Staff would recommend approval of the Herndon Property rezoning subject to any remaining staff comments.

CITY OF GRIMES

Molly Mannel
Assistant Planner



Development Services

410 SE Main St, Suite 102

Grimes, IA 50111

(515)986-4050

www.grimesiowa.gov

~~April 5, 2022~~

April 19, 2022

Anderson Properties

Attn: Mark Anderson

4451 NW Urbandale Drive

Urbandale, IA 50322

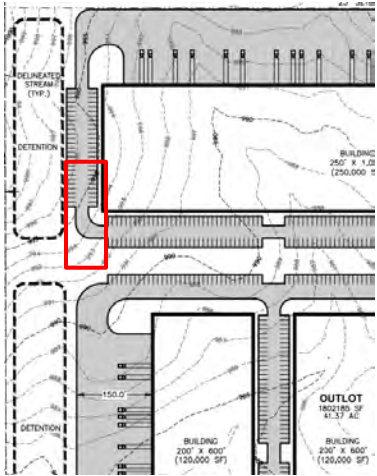
RE: Herndon Property

Dear Mr. Anderson:

The Development Services Department is in receipt of a proposed Rezoning for the Herndon Property. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

1. ~~Provide legal description of rezone area to the centerline of the ROW in Word format.~~
2. ~~Provide \$2,000 rezone fee. Please have developer submit fee as soon as possible.~~
~~Approvals can not be given until fee has been received by the city.~~
3. ~~Provide consent documents (50.1% consent for neighboring property owners).~~
4. ~~Please add Transportation Corridor Mixed Use Development Overlay District to the zoning.~~
5. ~~Provide example elevations. Is the applicant proposing the buildings to look similar to Legacy Park?~~
6. Staff will provide development agreement outlining the zoning standards and required public improvements.



Concept Plan:

1. ~~Connect the parking lots of the North buildings to the South (see screenshot and outlined location in red).~~
2. ~~Provide landscaping screening to hide loading dock areas from the ROW. Please provide landscaping around the loading docks, north of Lot 3 detention.~~
3. ~~Label 5' sidewalk along north side of SE 37th St and south side of SE 28th St.~~
4. ~~Label 8' trail along north side of SE 28th St.~~
5. ~~Label ROW to be dedicated to the City.~~
6. ~~Provide general utility layout for the site showing how each lot can be served.~~

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: April 11, 2022
 April 25, 2022
(1 PDF of Rezoning Map and Concept Plan)

PLANNING & ZONING: May 4th at 5:30 at the Grimes City Hall

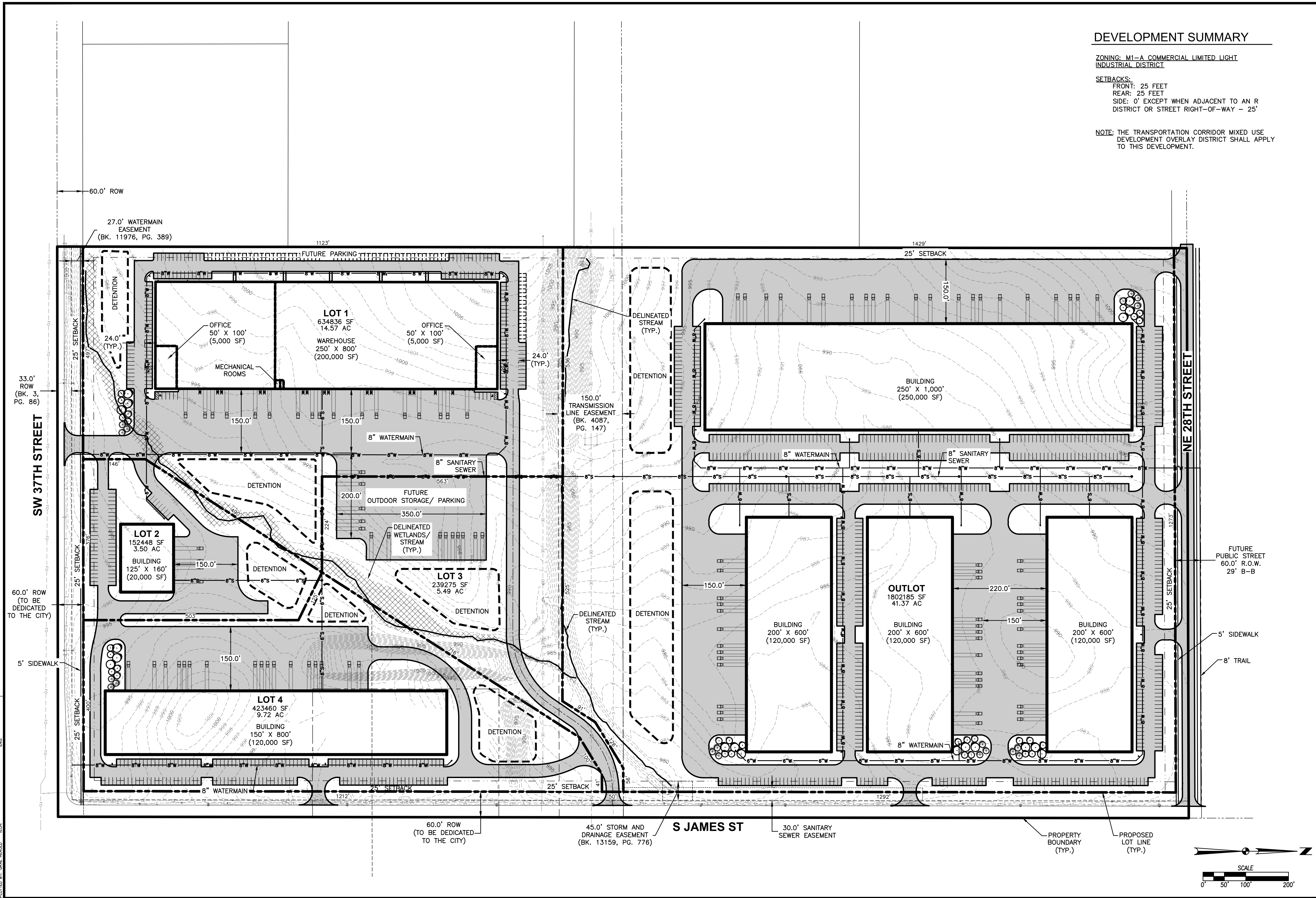
COUNCIL MEETING: May 24th at 5:30 at the Grimes City Hall

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

FILE: H:\2021\2110780\2110780-CONCEPT OVERALL LAYOUT
DATE PLOTTED: 4/11/2022 2:15 PM
DRAWN BY: J. HERRON
CHECKED BY: J. HERRON



DEVELOPMENT SUMMARY

ZONING: M1-A COMMERCIAL LIMITED LIGHT
INDUSTRIAL DISTRICT

SETBACKS:

FRONT: 25 FEET
REAR: 25 FEET
SIDE: 0' EXCEPT WHEN ADJACENT TO AN R
DISTRICT OR STREET RIGHT-OF-WAY - 25'

NOTE: THE TRANSPORTATION CORRIDOR MIXED USE
DEVELOPMENT OVERLAY DISTRICT SHALL APPLY
TO THIS DEVELOPMENT.

DATE

03/25/2022

12/23/2021

REVISIONS

REVISED

PREPARED

3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400

ENGINEER: EKO

EI: JWM

HERNDON PROPERTY
CONCEPT

2110.780

1/1

2110.780



ORDINANCE #764

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 HERNDON PROPERTY 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 77.52 acres legally described on Exhibit A (the "Property") from A-1 (Agricultural District) to M-1A (Commercial and Limited Light Industrial 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 M-1A Zoning Classification. Said restrictions are set forth in the Zoning Change and Development Agreement (the "Agreement") by and between the City of Grimes, Iowa, and Anderson Properties. 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 ____ day of ____, 2022.

ATTEST:

Scott Mikkelsen, Mayor

Rochelle Williams, City Clerk

Exhibit A

Legal Description of Property

THE EAST ONE-HALF OF THE SOUTHEAST QUARTER (E1/2 SE1/4) OF SECTION SEVEN (7), TOWNSHIP SEVENTY-NINE (79) NORTH, RANGE TWENTY-FIVE (25) WEST OF THE 5TH P.M., POLK COUNTY, IOWA.



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: Waterworks Park Improvements – Award of Construction Contract.

SYNOPSIS: The actions that are in front of the council are to approve Resolutions to: 1) adopt plans, specifications, form of contract and estimate of cost; 2) making award of construction contract; and 3) approving construction contract and bonds. This project was bid on May 17, 2022 and the following are the results:

Edge Commercial, LLC – \$3,150,557.14 (Base Bid)
\$50,400.00 (Alternate A)
\$327,924.25 (Alternate B)
\$202,884.00 (Alternate C)
\$3,731,765.39 (Total Base Bid + Alternates)

Caliber Concrete, LLC – \$3,532,517.68 (Base Bid)
\$56,000.00 (Alternate A)
\$347,728.17 (Alternate B)
\$208,320.00 (Alternate C)
\$4,144,565.85 (Total Base Bid + Alternates)

Engineering Estimate – \$2,465,470.50 (Base Bid)
\$30,000.00 (Alternate A)
\$349,165.00 (Alternate B)
\$365,000.00 (Alternate C)
\$3,209,635.50 (Total Base Bid + Alternates)

As a reminder, the alternates were as follows:

Alternate A – Parking Lot Lighting
Alternate B – North Playground Surfacing and Equipment
Alternate C – Playground Equipment for the Nature Playscape Area

The results of the bidding showed interest in our project, but also reflected the on-going inflationary issues related to the supply chain for materials and equipment and the labor/workforce of the construction industry. The contractors that bid on the project are both reputable and capable of

CITY OF GRIMES

101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

performing the work and as an added bonus the low bidder is a local Grimes contractor. I do feel that the engineer did their best to try to estimate the costs associated with this project ahead of the bidding, but there were a lot of components to a project like this that made it difficult to predict where the final numbers were going to land. The engineer did field a decent amount of questions from prospective bidders and contacted multiple contractors to gauge interest prior to the bid opening.

The engineer also contacted Edge Commercial to discuss the scope of the work on this project and make sure everyone was on the same page before moving forward with an award recommendation to council. Edge Commercial stated that they have successfully completed projects of similar scope and magnitude over the last 5 years in the state of Iowa and that they are excited to have the opportunity to do this one in Grimes. The splash pad equipment provider stated to the engineer that Edge Commercial was their preferred contractor for this project too.

There are a couple of questions that need to be answered by council and I will follow up with the staff recommendations after that. The first question is do we award the full project including the base bid + alternates or choose to award the base bid and select alternates to include with it? The second question is are we capable of financing the full project? The answer to the second question is that we do have a funding mechanism to get to the full project number through revenue funds coming from water, sanitary and storm for those respective portions of the project; a couple of line items in the CIP for parks and the splash pad; and covering the rest with LOSST funds and fundraising. A breakdown on how this would occur is listed below:

Park Improvement Funds: \$2,350,000

Splash Pad CIP: \$550,000

Water: \$70,000

Sewer: \$40,000

Storm: \$225,000

LOSST Cash: \$400,000

Fundraising: \$100,000

Total: \$3,735,000

The staff recommendation for this project is to move forward with the low bid and the alternates. As noted above, staff has developed a plan to fund the full project. We believe that putting off any of the alternates into the future is most likely going to only result in increased costs. Additionally, we have a local contractor that is excited to complete this project in their hometown. This is a project that the residents of Grimes will be thrilled to see completed and ready for use next summer.



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

Staff ran the bids and financing options for this project by the Parks and Recreation Board following the last council meeting. They discussed the usage of the Parks Development Funds in the Capital Improvements Program. The board's recommendation to council was that the funds in the CIP for park development should be used for the Waterworks Park Improvements project along with the other funding sources listed above.

The public hearing and comment period were held at the last council meeting, so the only items left are to act on the 3 resolutions mentioned above to officially award the project with the base bid and selected alternates.

FISCAL IMPACT: This project came in about 14% over the engineer's estimate for the full project and is in the current Capital Improvements Program for construction this year.

PREVIOUS COUNCIL ACTION(S): Approval of a Professional Services Agreement for design and bidding, Approval of resolution setting the dates for the public hearing and bid letting, held public hearing.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff recommends that the City Council approve the three resolutions listed at the beginning of this memo.

Council Member _____ introduced the following Resolution entitled "RESOLUTION ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT AND ESTIMATE OF COST FOR THE WATERWORKS PARK IMPROVEMENTS", 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 06-0122

RESOLUTION ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT AND ESTIMATE OF COST FOR THE WATERWORKS PARK IMPROVEMENTS

WHEREAS, on the **12th** day of **April, 2022**, plans, specifications, form of contract and estimate of cost were filed with the Clerk for the construction of certain public improvements described in general as the Waterworks Park Improvements; and

WHEREAS, notice of hearing on plans, specifications, form of contract and estimate of cost for the public improvements was published as required by law.

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

Section 1. That the plans, specifications, form of contract and estimate of cost are hereby approved as the plans, specifications, form of contract and estimate of cost for the public improvements, as described in the preamble of this Resolution.

PASSED AND APPROVED this 14th day of June, 2022.

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Council Member _____ introduced the following Resolution entitled "RESOLUTION MAKING AWARD OF CONSTRUCTION CONTRACT FOR THE WATERWORKS PARK IMPROVEMENTS", and moved:

☐ that the Resolution be adopted.

☐ ADJOURN to permit the Engineer to review and make recommendation on said bids, therefore defer action on the Resolution to the meeting to be held at _____ P.M. on _____, 2022, at this place.

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 06-0222

RESOLUTION MAKING AWARD OF CONSTRUCTION CONTRACT FOR THE WATERWORKS PARK IMPROVEMENTS

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

Section 1. That the following bid for the construction of certain public improvements described in general as the Waterworks Park Improvements, described in the plans and specifications heretofore adopted by this Council on June 14, 2022, be and is hereby accepted, the same being the lowest responsive, responsible bid received for such work, as follows:

Contractor: Edge Commercial, LLC of Grimes, IA

Amount of bid: \$3,731,765.39

Portion of project: All construction work

Section 2. That the Mayor and Clerk are hereby directed to execute the contract with the contractor for the construction of the public improvements, such contract not to be binding on the City until approved by this Council.

PASSED AND APPROVED this 14th day of June, 2022.

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

Council Member _____ introduced the following Resolution entitled "RESOLUTION AUTHORIZING CONSTRUCTION CONTRACT AND BOND FOR THE WATERWORKS PARK IMPROVEMENTS", and moved its adoption. 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 06-0322

**RESOLUTION AUTHORIZING CONSTRUCTION CONTRACT AND BOND
FOR THE WATERWORKS PARK IMPROVEMENTS**

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

That the construction contract and bond executed and insurance coverage for the construction of certain public improvements described in general as the Waterworks Park Improvements, and as described in detail in the plans and specifications heretofore approved, and which have been authorized to be signed by the Mayor and Clerk on behalf of the City be and the same are hereby approved as follows:

Contractor: Edge Commercial, LLC of Grimes, IA

Amount of bid: \$3,731,765.39

Bond surety: _____

Date of bond: _____

Portion of project: All construction work

PASSED AND APPROVED this 14th day of June, 2022.

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 14, 2022

AGENDA HEADING:

Waterworks Park Splash Pad – Site Plan

SYNOPSIS:

The applicant is requesting approval of the site plan for a splash pad, playground and shelter in Waterworks Park located at the northwest corner of W 1st Street and North James Street. The property is not located within an overlay district.

FISCAL IMPACT:

N/A

PREVIOUS COUNCIL ACTION(S):

Public Hearing on Waterworks Park Improvements
Adopted Plans, Specifications, Form of Contract and Estimate of Cost for the Improvements
Awarded Construction Contract for Improvements
Authorized Construction Contract and Bond for Improvements

BOARD/COMMISSION ACTION(S):

Planning and Zoning Commission recommended approval – 04/05/2022

STAFF/COMMITTEE RECOMMENDATION:

Staff would recommend approval of the Waterworks Park Splash Pad site plan subject to any remaining staff comments.

Planning & Zoning Staff Report



TO: Planning and Zoning Commission
FROM: Evann Martin, Assistant Planner
DATE: April 5, 2022
RE: Waterworks Park Splash Pad – Site Plan

GENERAL INFORMATION:

Applicant:

City of Grimes

Requested Action

Site Plan

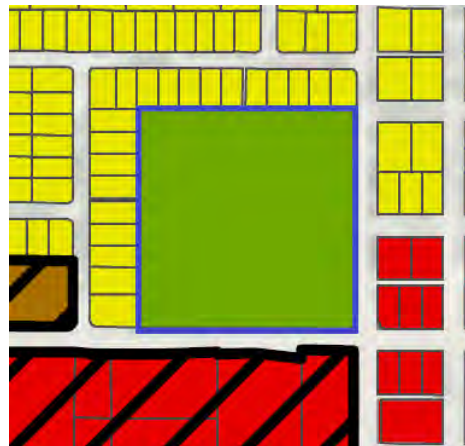
Location

Generally located at the northwest corner of W 1st Street and North James Street

SUPPORTING INFORMATION:



Location Map



Zoning Map

LAND USES & ZONING:

Location	Existing Land Use	Land Use Plan Designation	Current Zoning
Subject Site	Park	Existing Parks & Rec/Civic	Park
North	Single-Family	Low Density Residential	R-2
South	Commercial	Light Industrial	C-2
East	Single-Family/Commercial	Low Density Residential/Downtown	R-2/C-2
West	Single-Family	Low Density Residential	R-2

BACKGROUND:

The applicant is requesting approval of the site plan for a splash pad, playground and shelter in Waterworks Park located at the northwest corner of W 1st Street and North James Street. The property is not located within an overlay district.

ANALYSIS:*Building/Elevations:*

The shelter is proposed to be principally constructed of Nichiha panels, and ground face CMU block with sloped metal roof. The shelter will provide covered seating areas and public restrooms.

Site Layout:

The site has one access point from North James Street. The park improvements will be situated at the northeast corner of the site with parking located along North James Street. A drop-off area will be located on the north side of the parking lot. The splash pad, playground, and natural playscape will be located just west of the parking lot with the shelter situated further west. The shelter is strategically placed to be located between the splash pad and the existing sport fields on the west side of the site to provide viewpoints to each side of the park.

Other features proposed throughout the site include bike racks, trash receptacles, and benches. A space is reserved on the west side of the site for public art installation. A concrete stream bed is proposed along the west side of the splash pad to direct water to the detention basin as well as provide another play feature onsite with pedestrian bridges and some spray features.

Pedestrian connectivity to the site is existing along North James Street. Two sidewalk connections are proposed from North James Street into the site. A connection will also be provided to the north to connect to the existing trail from NW 3rd Street. Internal walkways will be provided throughout the project to connect the playground, splash pad and shelter.

Pole lights will be provided throughout the splash pad and playground area. Lighting will be provided at the shelter under the canopies and above the man doors. Parking lot lighting is shown on the plans. However, due to the park hours of operation and the proximity to lights

along North James Street, the parking lot lights may be removed or considered as a bid alternate. Staff will continue to evaluate the need for lighting within the parking lot.

Parking:

The Grimes Zoning Ordinance does not provide a minimum parking requirement for public parks. Parking for public parks is evaluated on a case by case basis to determine what is appropriate based on the location and activities provided onsite. The proposed improvements for this project will provide 25 parking spaces along North James Street. Additional parking is existing on site along the park drive and at the Grimes Public Library. A total of 49 paved spaces are existing on site as well as some gravel parking areas. Based on the parking ordinance, 19 spaces are required for the library, which leaves 30 extra spaces that can be used for park attendees, in addition to the 25 spaces proposed with the splash pad and the existing gravel parking areas. Staff is comfortable with the amount for parking provided in site to accommodate both the library and park improvements.

Landscaping/Streetscape:

There are no minimum landscape requirements for this site. However, ample landscape plantings will be provided throughout the site. As proposed, the site will provide landscaping and berming along North James Street and the north side of the site along the single-family residential lots. Addition plantings will be provided internal to the site along walkways and within parking islands.

Utilities:

Sanitary sewer to the site will connect from the existing 8" sewer along North James Street and will connect to the shelter for the public restrooms.

Water to the site will connect from the existing main along North James Street. A hydrant will be provided on the west side of the improvements to provide coverage for the shelter building.

Storm water detention is being handled via the detention basin at the northeast corner of the site.

STAFF RECOMMENDATION:

Staff would recommend approval of the site plan for the Waterworks Park Splash Pad, subject to any remaining staff comments.

CITY OF GRIMES

Evann Martin
Assistant Planner



Development Services

410 SE Main St, Suite 102

Grimes, IA 50111

(515)986-4050

www.grimesiowa.gov

~~February 1, 2022~~

~~February 17, 2022~~

March 23, 2022

ISG

Attn: Justin Heim

508 East Locust Street

Des Moines, IA 50309

RE: Waterworks Park Site Plan

Dear Mr. Heim:

The Development Services Department is in receipt of a proposed Site Plan for Waterworks Park. Based on the review of the provided submittal materials, staff have the following comments:

General Comments:

- ~~1. Provide SWPPP.~~
- ~~2. Provide SWMP.~~
- ~~3. Provide parking lighting fixture cut sheets. We would like the lighting to be a bid alternate.~~
- ~~4. Are the colors shown on the playground renderings the colors that are actually proposed for the play structures? Staff suggests using natural tones like olive, tan, gray platform.~~

C1-10

- ~~1. Please add Grimes Standard Notes, attached.~~

C2-10

- ~~1. Please evaluate the preservation of the trees along the existing library driveway. If the basin is not required, and the sidewalk can be shifted, please do so.~~

C3-10

- ~~1. Please remove the location for existing water works park sign. That will be removed.~~
- ~~2. Please add truncated domes to the sidewalk that crosses the new driveway entrance.~~
- ~~3. Please add additional bike parking near the drop off round about area and the south-west sidewalk entrance.~~
- ~~4. Please add detail for concrete bench blocks.~~
- ~~5. Please provide a detail for the pedestrian bridge walks.~~
6. Please provide layouts for both play areas and coordinate with later sheets. Please provide renderings/cut sheet for the natural play features. Provide splash pad play structures/equipment details and cutsheets. **Please provide updated splash pad renderings with new proposed water fall rock structures.**
- ~~7. Please reduce western most trail to 8 feet from 10 feet.~~
- ~~8. Please increase trail width from James Street to 8 feet.~~
- ~~9. There is concern with the water connection as the main is old and has issues. Please provide an 8" main from James into the site along the driveway with a hydrant at the end. Provide a service line from the main to the shelter. Staff would suggest shifting the water main away from the trees.~~
- ~~10. Label water service size.~~
- ~~11. Label hydrant locations.~~
- ~~12. Provide turn around radius for restrooms.~~
13. Please label locations and provide structure details for shade structures. **Apologies for the back and forth on this but please remove the shade structures. We will evaluate the site and operations of the park after construction and determine where we would like to add shade structures in the future.**
- ~~14. Label bench, limestone bench and trash receptacle locations.~~
- ~~15. Label the art piece location.~~

C3-30:

1. Provide roof drain connections for the shelter.
- ~~2. Provide detail for vortex storage tank.~~
3. Is it possible to bore the water main instead of digging and replacing the street?
Please provide traffic control plan for review.

C4-10

- ~~1. Please provide a grading sheet.~~
- ~~2. Provide blown up detail for the ramps and ADA parking to show slope and cross slopes.~~
- ~~3. Provide additional spot elevations across the site.~~
4. Label slope of north basin. Slope needs to be 2% minimum.

C5-10

- ~~1. Please provide 50/50 bluegrass rye seed mix.~~
- ~~2. Label detention basin and native planting seed mixes.~~

C5-20

- ~~1. Please provide a schedule for the trees to be planted. Please provide planting sizes.~~
2. Please revise landscaping to correct any conflicts with utilities. Move trees away from water and sanitary services. Move trees away from the water service.

Architecture:

- ~~1. Provide elevation for the shelter with material callouts.~~
2. Provide lighting locations and cut sheets. Provide lighting under the canopy and above man doors. Label Z2 lighting locations. Z2 is shown in the legend but not on the plan.

SWPPP:

- ~~1. Concrete Trucks section on page 5 add contain washout water and solids in a leak proof container so the material does not reach the soil surface and migrate into surface waters or the ground water.~~
- ~~2. Notice of Intent to be filled out with the site information~~
- ~~3. Owner and contractor Certifications should be signed.~~
- ~~4. Provide Affidavit of Publication.~~
5. Provide site contact information
6. Under Erosion and Sediment Controls- City of Grimes does have Ordinances on Stormwater Management and Erosion and Sediment Control, Illicit Discharge and Connection, and Post-Construction Stormwater Control
7. Under Other Controls and Offsite Sediment Tracking, from our city Stormwater Management and Erosion and Sediment Control Ordinance, "Any Soils tracked off site shall be cleaned up the permittee at the end of each day or before sediments enter public storm sewer or waters of the state. Any soils entering public storm sewer or waters of the state will be in violation of this ordinance."
8. Sign SWPPP Owner's Certification
9. Have all contractors and sub-contractors sign certification statement
10. Provide Affidavit of Publication
11. Provide IDNR letter of Authorization once General Permit No. 2 has been approved.
12. Fill out Contact information within NOI
13. Sign certification statement within NOI
14. Sign Land Disturbing Activities Affidavit

Stormwater Management Plan (SWMP)

1. How is the WQv event being treated?
2. Page 3: Pre-Development Runoff Table, update values based on SSA spreadsheets.
3. SSA Nodes: ST-1A, ST-2A, ST-4 do not match plans. Are ST-99 and ST-100, ST-5 and ST-6 on plans?

4. SSA Conduits: Make sure pipe lengths, slopes, and sizes match plans.
5. SSA: Provide orifice and wier information (i.e. size and elevations).
6. SSA: Should orifice 3 be a weir instead?

Construction Drawings (CDs)

1. Sheet 29: Provide contour labels on low or high spot to the south of the splash pad.
2. Sheet 26-27: What type of structures are all of the storm sewer structures?
3. Sheet 26: Is the rim elevation for ST-7 below the surface?
4. Sheet 26: The ground in front of FES-1 appears to be lower than 954.00. How does this area drain?
5. Sheet 26: Is the only point for ST-6 to increase pipe size form 10” to 15”?

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: ~~February 7, 2022~~
February 23, 2022
(1 PDF of Site plan with Elevation Plan included)

PLANNING & ZONING: April 5, 2022 at 5:30

COUNCIL MEETING: April 26, 2022 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

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES, IOWA

ISG PROJECT # 21-25768



SEAL

JOHN P. TRICKEL

P17586

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.

SIGNATURE

DATE

3/18/2022

JOHN P. TRICKEL

PRINTED SIGNATURE

P17586

12/31/2022

LICENSE NUMBER

LICENSE RENEWAL DATE

SHEETS COVERED BY THIS SEAL: P2-11, P2-21, P5-11

M2-11, M4-11

SEAL

NATHAN S. GRUVER

00655

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.

SIGNATURE

DATE

03/18/2022

NATHAN S. GRUVER

PRINTED SIGNATURE

00655

06/30/2023

LICENSE NUMBER

LICENSE RENEWAL DATE

SHEETS COVERED BY THIS SEAL: C0-50, C0-71, C5-10

C5-30

SHEET INDEX	
SHEET #	SHEET TITLE
GENERAL	
G1-10	TITLE SHEET, SHEET INDEX, PROJECT GENERAL NOTES
G1-11	MOUNTING HEIGHTS, ABBREVIATIONS AND SYMBOLS
G1-20	QUANTITIES AND ESTIMATE REFERENCE INFORMATION
G1-21	ESTIMATE REFERENCE INFORMATION
G1-22	ESTIMATE REFERENCE INFORMATION
G1-23	SCHEDULES
PROMOTIONAL	
C0-10	SITE DATA SHEET
C0-20	CONSTRUCTION NOTES
C0-21	CONSTRUCTION NOTES
C0-30	SITE DETAILS - UTILITIES
C0-31	SITE DETAILS - UTILITIES
C0-32	SITE DETAILS - UTILITIES
C0-33	SITE DETAILS - UTILITIES
C0-40	SITE DETAILS - PAVEMENT
C0-41	SITE DETAILS - CURB
C0-50	SITE DETAILS - NATURAL STONE
C0-51	SITE DETAILS - PEDESTRIAN BRIDGES
C0-60	SITE DETAILS - PLAY MOUNDS
C0-61	SITE DETAILS - FURNISHINGS
C0-70	SITE DETAILS - ID SCULPTURE
C0-71	SITE DETAILS - ID SCULPTURE
C1-10	SWPPP NOTES AND DETAILS
C1-20	PRE-CONSTRUCTION EROSION CONTROL PLAN
C1-30	POST-CONSTRUCTION EROSION CONTROL PLAN

SHEET INDEX	
SHEET #	SHEET TITLE
C2-10	EXISTING SITE AND REMOVALS PLAN
C3-10	SITE PLAN
C3-11	ENLARGED SITE PLAN
C3-20	SIGNAGE AND STRIPING
C3-30	UTILITY PLAN
C3-31	UTILITY PROFILES
C3-40	DETOUR NOTES AND DETAILS
C4-10	OVERALL GRADING PLAN
C4-20	DETAILED GRADING PLAN
C4-21	DETAILED GRADING PLAN
C4-22	DETAILED GRADING PLAN
C4-23	DETAILED GRADING PLAN
C4-24	DETAILED GRADING PLAN
C4-30	DETAILED GRADING PLAN (ADA RAMPS)
C5-10	RESTORATION PLAN
C5-20	PLANTING PLAN
C5-30	PLANTING NOTES & DETAILS
E2-00	SITE ELECTRICAL PLAN
E2-01	SPLASH PAD GROUNDING PLAN
T1-00	SITE TECHNOLOGY PLAN

SEAL

BRADLEY W. PENAR

P19508

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.

SIGNATURE

DATE

3/18/2022

BRADLEY W. PENAR

PRINTED SIGNATURE

P19508

12/31/2022

LICENSE NUMBER

LICENSE RENEWAL DATE

SHEETS COVERED BY THIS SEAL: S1-00, S1-01, S1-02,

S1-05, S1-11, S1-31, S2-11, S4-11, S6-21

SEAL

CASEY G. LARSON

P26594

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.

SIGNATURE

DATE

3/18/2022

CASEY G. LARSON

PRINTED SIGNATURE

P26594

12/31/2022

LICENSE NUMBER

LICENSE RENEWAL DATE

SHEETS COVERED BY THIS SEAL: E2-00, E2-10, E2-11

E2-21, E4-12, E4-13, T1-00, T2-11, T4-11

PROJECT GENERAL NOTES	
A.	ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL AND SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT / ENGINEER.
B.	CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CORRELATING QUANTITIES AND DIMENSIONS.
C.	WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
D.	FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
E.	DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
F.	ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
G.	LARGE-SCALE, MORE SPECIFIC DETAILS TAKE PRECEDENCE OVER SMALLER-SCALE, LESS SPECIFIC DETAILS AND INFORMATION. MORE STRINGENT REQUIREMENTS FOR CODE, PRODUCTS AND INSTALLATION TAKE PRECEDENCE OVER LESS STRINGENT REQUIREMENTS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
H.	PROVIDE CONTINUOUS SEALANT AROUND ALL MATERIALS AT ALL INTERIOR AND EXTERIOR WALL PENETRATIONS. REFER TO SPECIFICATIONS FOR APPROPRIATE SEALANT.
I.	ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
J.	SEAL ALL OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS, AROUND DUCTS, PIPES, VENTS, TRAPS, CONDUIT AND ALL OTHER PENETRATIONS WITH FIRE STOPPING AS SPECIFIED AND REQUIRED BY CODES. IF FIRE STOPPING IS NOT REQUIRED AT PENETRATIONS PER CODE, SEAL WITH CONTINUOUS SEALANT.
K.	PROVIDE TEMPORARY WALLS, ENCLOSURES, DUST SHIELDS AND WALK-OFF MATS AS REQUIRED TO SEPARATE DEMOLITION AND CONSTRUCTION FROM EXISTING BUILDING.
L.	PROVIDE BRACING AND SHORING AS REQUIRED TO PROTECT EXISTING STRUCTURE TO REMAIN. PROVIDE SECURE AND WEATHERPROOF ENCLOSURE OF TEMPORARY OPENINGS IN EXTERIOR WALLS. PROTECT ALL BUILDING COMPONENTS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
M.	RESTORE ALL EXISTING AREAS AFFECTED BY DEMOLITION AND RELATED NEW CONSTRUCTION TO THEIR ORIGINAL CONDITION, INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, AND CEILINGS AND THEIR ASSOCIATED FINISHES.
N.	PROVIDE SOLID WALL BACKING WITH METAL OR FIRE-RETARDANT WOOD BLOCKING BEHIND DOOR HARDWARE SUCH AS WALL STOPS, BUMPERS, HOLD OPENS, ETC. AND AT ALL ITEMS REQUIRING FASTENING THROUGH GYP BD. TO BLOCKING
O.	RENDERED IMAGES MAY NOT BE AN ACCURATE REPRESENTATION OF BUILDING CONDITIONS, REFER TO PLANS AND DETAILS CONTAINED WITHIN FOR SCOPE OF WORK.

ARCHITECTURAL	
A1-01	WALL TYPES AND NOTES
A1-21	FIRST FLOOR PLAN
A1-31	FIRST FLOOR REFLECTED CEILING PLAN
A1-69	SIGNAGE DETAILS & SCHEDULE
A1-71	ROOF PLAN
A2-11	EXTERIOR ELEVATIONS
A3-11	BUILDING SECTIONS & INTERIOR ELEVATIONS
A3-21	ENLARGED SECTION VIEWS
A3-22	ENLARGED SECTION VIEWS
STRUCTURAL	
S1-00	STRUCTURAL NOTES
S1-01	STRUCTURAL NOTES
S1-02	SPECIAL INSPECTIONS
S1-05	STRUCTURAL SCHEDULES
S1-11	FOUNDATION PLAN
S1-31	SLAB PLAN
S2-11	FOUNDATION & SLAB DETAILS
S4-11	ROOF FRAMING PLAN
S6-21	ROOF FRAMING DETAILS
PLUMBING	
P2-11	FIRST FLOOR SANITARY PLUMBING PLAN
P2-21	FIRST FLOOR POTABLE WATER PLUMBING PLAN
P5-11	PLUMBING DETAILS AND SCHEDULES
MECHANICAL	
M2-11	FIRST FLOOR HVAC PLAN
M4-11	HVAC DETAILS AND SCHEDULES
ELECTRICAL	
E2-11	FIRST FLOOR POWER PLAN
E2-21	FIRST FLOOR LIGHTING PLAN
E4-12	ELECTRICAL SYMBOLS, SCHEDULES AND DETAILS
E4-13	ELECTRICAL DETAILS
TECHNOLOGY	
T2-11	FIRST FLOOR TECHNOLOGY PLAN
T4-11	TECHNOLOGY DETAILS AND SCHEDULES
VORTEX SHEETS	
A-001	PLUMBING DETAILS
A-002	SITE LAYOUT
A-003	PLUMBING SHEETS
A-004	WQMS EQUIPMENT LAYOUT
C-001	EMBED DETAILS
C-002	EMBED DETAILS
E-001	ELECTRICAL LAYOUT
E-002	BONDING LAYOUT
ED-001	ELECTRICAL DETAILS
FT-001	FEATURE DRAWINGS
P-001	PLUMBING LAYOUT
P-002	PLUMBING LAYOUT
PD-001	PLUMBING DETAILS
PD-002	PLUMBING DETAILS
PD-003	PLUMBING DETAILS
PD-004	PLUMBING DETAILS
PD-005	PLUMBING DETAILS
WJ-001	WATER JOURNEY DRAWINGS
WJ-002	WATER JOURNEY DRAWINGS
WJ-003	WATER JOURNEY DRAWINGS

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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 Arch R22
DRAWN BY	CGR
DESIGNED BY	AMB
REVIEWED BY	AMB
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

TITLE SHEET, SHEET INDEX, PROJECT GENERAL NOTES

SHEET

G1-10

PROJECT INDEX:

OWNER:

CITY OF GRIMES
101 NE HARVEY STREET
GRIMES, IOWA 50111
515.986.3036

PROJECT ADDRESS:

WATERWORKS PARK
200 N JAMES ST
GRIMES, IOWA 50111

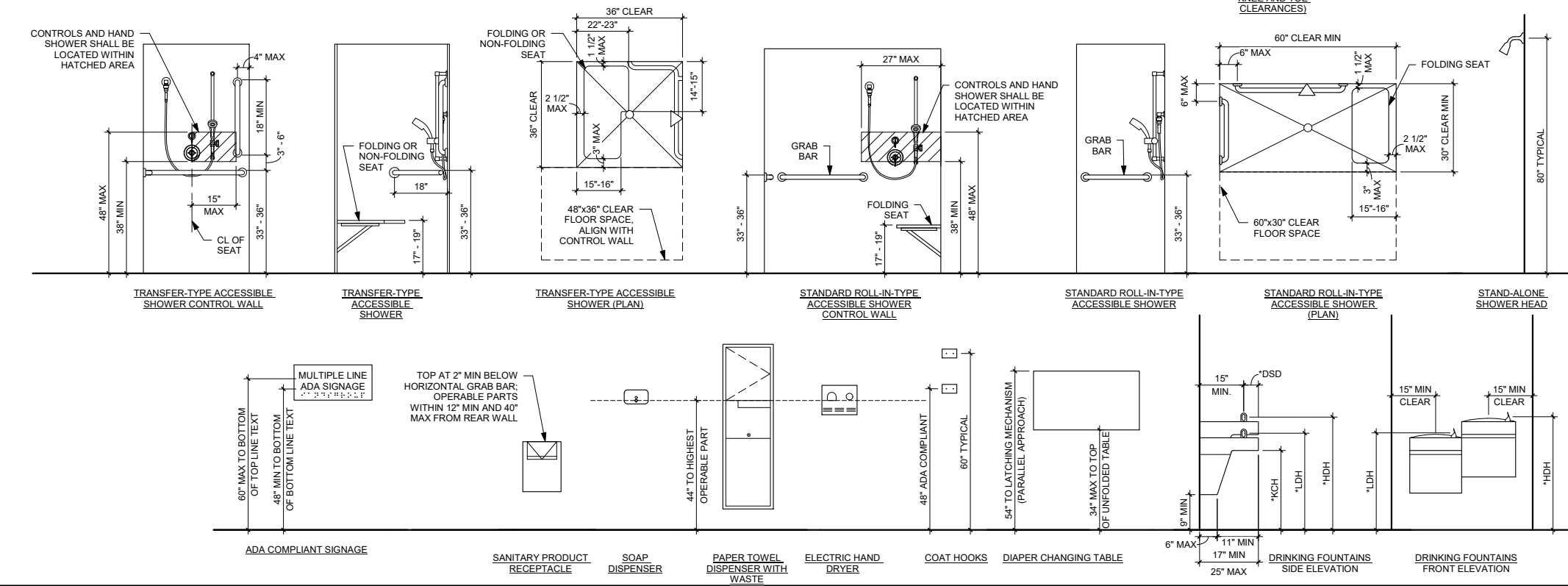
MANAGING OFFICE:

DES MOINES OFFICE
217 E 2ND ST, 110
DES MOINES, IOWA 50309
PHONE: 515.243.9143
PROJECT MANAGER: NATHAN GRUVER
EMAIL: NATHAN.GRUVER@ISGINC.COM



MOUNTING HEIGHTS AND STANDARDS

FIXTURE CLEARANCES					
	DESCRIPTION	PRE-K (3-4 YR)	K - THIRD (5-8 YR)	FOURTH - SEVENTH (9-12 YR)	ADULTS (>12 YR)
*GBH	GRAB BAR HEIGHT	18" - 20"	20" - 25"	25" - 27"	33" - 36"
*VBH	VERTICAL GRAB BAR HEIGHT	21" - 30"	21" - 30"	21" - 30"	39" - 41"
*VBC	VERTICAL GRAB BAR CENTERLINE	34" - 36"	34" - 36"	34" - 36"	39" - 41"
*TPH	TOILET TISSUE DISPENSER HEIGHT	14"	14" - 17"	17" - 19"	18" - 48"
*WCC	WATER CLOSET CENTER LINE	12"	12" - 15"	15" - 18"	16" - 18"
*WCS	WATER CLOSET SEAT HEIGHT	11" - 12"	12" - 15"	15" - 17"	17" - 19"
*TSH	TOP OF SINK OR COUNTER HEIGHT	31"	31"	31"	34"
*KCH	KNEE CLEARANCE HEIGHT	24"	24"	24"	27"
*HDH	HIGH DRINKING FOUNTAIN SPOUT HEIGHT	30" - 43"	30" - 43"	30" - 43"	38" - 43"
*LDH	LOW DRINKING FOUNTAIN SPOUT HEIGHT	30"	30"	30"	36"
*DSD	DRINKING FOUNTAIN SPOUT DEPTH	3 1/2"	3 1/2"	3 1/2"	5"



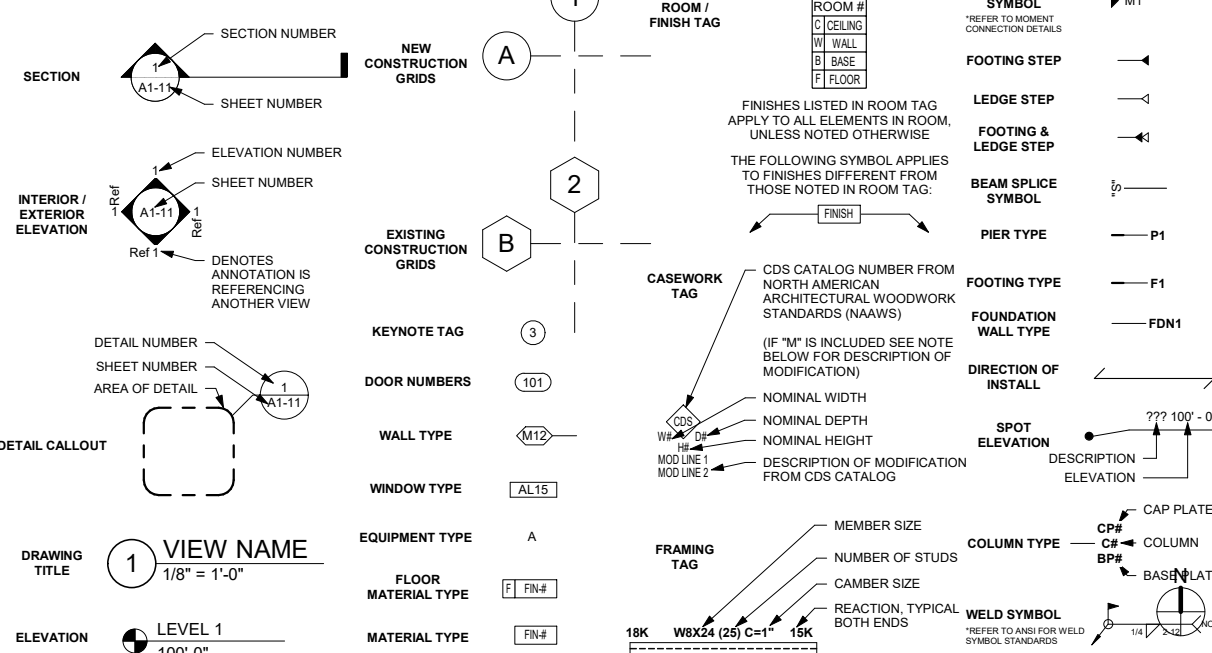
ABBREVIATIONS

#	ROUND OR NUMBER	ENCL	ENCLOSURE	LLH	LONG LEG HORIZONTAL	RTU	ROOF TOP UNIT
AB	ACoustical Ceiling Panel	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	LN	LINEAR	SA	SEALED CONCRETE
ACT	ACoustical Ceiling Tile	EQ	EQUAL	LVT	LUXURY VINYL TILE	SF	SQUARE FOOT
ADA	AMERICANS WITH DISABILITIES ACT	EQUIP	EQUIPMENT	MATL	MATERIAL	SM	SURFACE MOUNTED
ADD	ADDENDUM	ETC	ETCETERA	MAX	MAXIMUM	SM	SURFACE MOUNTED
ADDL	ADDITIONAL	EW	ELECTRIC WATER COOLER	MB	MARKER BOARD	SPEC	SPECIFICATION
ADJ	ADJACENT	EW	ELECTRIC WATER COOLER	MECH	MECHANICAL	SS	SOLID SURFACE
AFF	ABOVE FINISH FLOOR	EX	EXISTING	MEP	MECHANICAL, ELECTRICAL, PLUMBING	SSTL	STAINLESS STEEL
AFG	ABOVE FINISHED GRADE	EXP	EXPANSION, EXPOSED	MEZZ	MEZZANINE	STD	STANDARD
AFU	AIR HANDLING UNIT	EXT	EXTERIOR	MFR	MANUFACTURER	STN	STONE
ALT	ALTERNATE	FI	FURNISH AND INSTALL	MH	MANHOLE	STOR	STORAGE
ALUM	ALUMINUM	FA	FRESH AIR	MIN	MINIMUM	SUSP	SUSPENDED
APPROX	APPROXIMATELY	FAAP	FIRE ALARM ANNUNCIATOR PANEL	MISC	MISCELLANEOUS	SV	SHEET VINYL
ARCH	ARCHITECTURAL	FACP	FIRE ALARM CONTROL PANEL	MO	MASONRY OPENING	SY	SQUARE YARDS
AWP	ACoustical Wall Panel	FBO	FURNISHED BY OTHERS	MTD	MOUNTED	T&G	TONGUE AND GROOVE
B	BOARD	FD	FLOOR DRAIN	MTL	METAL	T&P	TEMPERATURE AND PRESSURE
BD	BROADLOOM CARPET	FE	FIRE EXTINGUISHER	MULL	MULLION	TB	TACKBOARD
BL	BROADLOOM CARPET	FEC	FIRE EXTINGUISHER CABINET	NA	NOT APPLICABLE	TBD	TO BE DETERMINED
BLDG	BUILDING	FF	FLOOR FINISH	NIC	NOT IN CONTRACT	TD	TRENCH DRAIN
BO	BOTTOM OF OR BY OWNER	FF	FINISHED FLOOR ELEVATION	NTS	NOT TO SCALE	TEC	TELECOM
BR	BRICK	FRP	FIBERGLASS REINFORCED PLASTIC	OC	ON CENTER	TEL	TELEPHONE
BRG	BEARING	FRZ	FREEZER	OCEV	ON CENTER EACH WAY	TEMP	TEMPERATURE
BSMT	BASEMENT	FT	FOOT OR FEET	OD	OUTSIDE DIAMETER	TER	TERRAZZO
C	COLD FORMED STEEL	FTG	FOOTING	OH	OVERHEAD	TOF	TOP OF FOOTING
CFS	COLD FORMED STEEL	GA	GAUGE	OHD	OVERHEAD DOOR	TOF	TOP OF FOOTING
CG	CORNER GUARD	GALV	GALVANIZED	OL	OVERALL LENGTH	TOL	TOP OF LEDGE
CP	CAST IN PLACE	GEN	GENERATOR	OPNG	OPENING	TOS	TOP OF WALL
CJ	CONTROL JOINT OR CONSTRUCTION JOINT	OSB	ORIENTED STRAND BOARD	ORD	OVERFLOW ROOF DRAIN	TP	TOILET PARTITION
CL	CENTERLINE	OSB	ORIENTED STRAND BOARD	OSB	ORIENTED STRAND BOARD	TS	TAMPER RESISTANT
CLR	CLEAR	GLZNG	GLAZING	PLAM	PLASTIC LAMINATE	TR	TUBE STEEL / THRESHOLD / TRANSITION STRIP
CM	CORRUGATED METAL	GND	GROUND	PUMP	PUMP	TV	TELEVISION
CMU	CONCRETE MASONRY UNIT	GYP	GYPSON	PNT	PAINT	TV	TELEVISION
CO	CLEANOUT	HUB DRAIN	HUB DRAIN	PNT-IE	EPOXY PAINT	UG	UNDERGROUND
CONC	CONCRETE	HOG	HOT DIP GALVANIZED	PNT-IE	EPOXY PAINT	UH	UNIT HEATER
CONF	CONFERENCE	HOW	HARDWARE	POLYETH	POLYETHYLENE	UNOP	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	HORIZ	HORIZONTAL	PRV	PRESSURE REDUCING VALVE	VCT	VINYL COMPOSITE TILE
CPT	CARPET	HSS	HOLLOW STRUCTURAL SECTION	PVC	POLYVINYL CHLORIDE	VERT	VERTICAL
CR	CHAIR RAIL	HT	HEIGHT	GLZNG	GLAZING	VEST	VESTIBULE
CRK	CORK	HVAC	HEATING VENTILATION AND AIR CONDITIONING	QTZ	QUARTZ	VF	VINYL FLOOR
CT	CURTAIN	ID	INSIDE DIAMETER	RA	RETURN AIR	VF	VINYL FLOOR
CTRT	CURTAIN	IG	INSIDE DIAMETER	RA	RETURN AIR	VTR	VENT THROUGH ROOF
CY	CUBIC YARD	IMP	INSULATED METAL PANEL	RBR	RUBBER	VTR	VENT THROUGH ROOF
DEMO	DEMOLITION	INF	INFORMATION	RCP	REFLECTED CEILING PANEL	W	WITHOUT
DF	DRINKING FOUNTAIN	INP	IN-PLACE	RCP	REFLECTED CEILING PANEL	W/O	WITHOUT
DH	DOOR HOLDER (MAGNETIC)	INSUL	INSULATION	REF	REFLECTED CEILING PANEL	W/O	WITHOUT
DIA	DIAMETER	INT	INTERIOR	REINF	REINFORCED	WCG	WOOD
DLS	DIAMETER	J	JUNCTION BOX	REQD	REQUIRED	WCG	WOOD
EA	EACH	JAN	JANITOR	RES	RESINOUS FLOOR	WF	WOOD FLOOR
EC	ELECTRICAL CONTRACTOR	JBE	JOIST BEARING ELEVATION	REV	REVISION / REVISED	WH	WALL GUARD
EF	EXHAUST FAN	JST	JOIST	RM	ROOM	WH	WALL GUARD
EFS	EXTERIOR FINISH SYSTEM	KES	KITCHEN EQUIPMENT SUPPLIER	RO	ROUGH OPENING	WTR	WATER
ELEC	ELECTRICAL	KW	KILOWATT	ROW / RW	ROUGH OPENING	WP	WEATHERPROOF
ELEV	ELEVATION	LAV	LAVATORY	RP	RESIN PANEL	WT	WET TREATMENT
EMERG	EMERGENCY	LB	LOAD BEARING	RTE	REFER TO ELEVATION	WTF	WET TREATMENT
						XFMR	TRANSFORMER

MATERIALS KEY

BATT INSULATION	BRICK	CONCRETE (SECTION)	CMU (SECTION)	EARTH	GRANULAR FILL	GRAVEL	GYPSON BOARD OR SHEATHING	RIGID INSULATION	PLYWOOD	SAND	STEEL	SYNTHETIC STUCCO	WOOD	SPRAY IN PLACE INSULATION
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TAGS AND SYMBOLS



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CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 Arch R22
DRAWN BY	CGR
DESIGNED BY	AMB
REVIEWED BY	AMB
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

MOUNTING
HEIGHTS,
ABBREVIATIONS
AND SYMBOLS

SHEET

G1-11

PLOT DATE: 3/31/2022 3:24 PM

ESTIMATED PROJECT QUANTITIES					
ITEM NO.	ITEM CODE	ITEM	UNIT	QTY	AS BUILT QTY
1	2010-108-C-0	CLEARING AND GRUBBING	LS	1	
2	2010-108-E-0	EXCAVATION, CLASS 10	CY	3725	
3	2010-108-G-0	SUBGRADE PREPARATION	SY	1915	
4	2010-108-I-0	SUBBASE, MODIFIED, 4 INCH	SY	3750	
5	2010-108-I-0	SUBBASE, MODIFIED, 6 INCH	SY	1915	
6	4010-108-E-0	SANITARY SEWER SERVICE STUB, PVC, 6 IN.	LF	400	
7	4010-108-I-0	SANITARY SEWER CLEANOUT	EA	2	
8	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 12 INCH	LF	137	
9	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 15 INCH	LF	271	
10	4020-108-A-1	STORM SEWER, TRENCHED, PVC, 6 INCH	LF	160	
11	4020-108-A-1	STORM SEWER, TRENCHED, PVC, 10 INCH	LF	12	
12	4020-108-C-0	LINEAR TRENCH DRAIN AT SPLASH PAD	LF	16	
13	4030-108-B-0	PIPE APRON, RCP, 15 INCH	EA	1	
14	4040-108-A-0	SUBDRAIN, PERFORATED, 6 INCH	LF	1610	
15	4040-108-C-0	SUBDRAIN CLEANOUT	EA	6	
16	4040-108-D-0	SUBDRAIN OUTLETS AND CONNECTIONS	EA	10	
17	5010-108-A-1	WATER MAIN, TRENCHED, C900 PVC, 8 INCH	LF	350	
18	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 1 INCH	LF	50	
19	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 2 INCH	LF	220	
20	5020-108-A-0	VALVE, GATE VALVE, 8 INCH	EA	2	
21	5020-108-B-0	TAPPING VALVE ASSEMBLY, 8 INCH	EA	1	
22	5020-108-C-0	FIRE HYDRANT ASSEMBLY	EA	1	
23	6010-108-A-0	STORM MANHOLE, SW-401, 48 INCH DIA.	EA	4	
24	6010-108-B-0	INTAKE, SW-501	EA	1	
25	6010-108-B-0	INTAKE, SW-505	EA	1	
26	6010-108-B-0	INTAKE, SW-512	EA	2	
27	6010-108-B-0	INTAKE, SW-513	EA	1	
28	6010-108-H-0	REMOVE INTAKE	EA	1	
29	7010-108-A-0	PAVEMENT, PCC, 7 INCH	SY	1660	
30	7030-108-A-0	REMOVAL OF SIDEWALK	SY	20	
31	7030-108-E-0	SIDEWALK, PCC, 6 INCH	SY	2030	
32	7030-108-G-0	DETECTABLE WARNING	SF	36	
33	7040-108-H-0	PAVEMENT REMOVAL	SY	280	
34	8020-108-B-0	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	6.3	
35	8020-108-G-0	PAINTED SYMBOLS AND LEGENDS	EA	2	
36	8030-108-A-0	TEMPORARY TRAFFIC CONTROL	LS	1	
37	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (NATIVE PLANTING MIX)	AC	0.3	
38	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (DETENTION BASIN MIX)	AC	0.32	
39	9020-108-A-0	SOD	SQ	314	
40	9030-108-B-0	GRASSES, 1 GAL	EA	90	
41	9030-108-B-0	PERENNIALS, 1 GAL	EA	908	
42	9030-108-B-0	SHRUBS, 3 GAL	EA	317	
43	9030-108-B-0	TREE, OVERSTORY, 2" CAL	EA	37	
44	9030-108-B-0	TREE, EVERGREEN, 4' HT MIN	EA	44	
45	9040-108-A-1	SWPPP PREPARATION	LS	1	
46	9040-108-A-2	SWPPP MANAGEMENT	LS	1	
47	9040-108-D-1	FILTER SOCK, 9 INCH DIAMETER	LF	2500	
48	9040-108-E-0	TEMPORARY RECP, TYPE 2.D	SY	3150	
49	9040-108-J-0	RIP RAP, EROSION STONE	TON	4	
50	9040-108-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	3	
51	11020-108-A-1	MOBILIZATION	LS	1	
52	11050-108-A-0	CONCRETE WASHOUT	LS	1	
53	0000-999-A	POURED IN PLACE SURFACING (NORTH PLAYGROUND)	SF	3630	
54	0000-999-B	PLAYGROUND EQUIPMENT (NORTH PLAYGROUND)	LS	1	
55	0000-999-C	PLAY TURF SURFACING (NATURE PLAYScape)	SF	4535	
56	0000-999-D	PCC CURB AT PLAY TURF	LF	223	
57	0000-999-E	PLAYGROUND EQUIPMENT (NATURE PLAYScape)	LS	1	
58	0000-999-F	SPLASH PAD PAVEMENT	SF	5284	
59	0000-999-G	SPLASH PAD FEATURES AND EQUIPMENT	LS	1	
60	0000-999-H	DRY CREEK BED PAVEMENT	SF	1850	
61	0000-999-I	BENCH	EA	3	
62	0000-999-J	SANDSTONE BENCH	EA	4	
63	0000-999-K	LITTER RECEPTACLE	EA	5	
64	0000-999-L	BIKE RACK	EA	12	
65	0000-999-M	PICNIC TABLE	EA	6	
66	0000-999-N	PICNIC TABLE (ADA)	EA	4	
67	0000-999-O	PLAY MOUND	SF	1678	
68	0000-999-P	PEDESTRIAN BRIDGES	LS	1	
69	0000-999-R	LIMESTONE BLOCK	EA	4	
70	0000-999-S	OUTCROPPING BORDER	EA	60	
71	0000-999-T	BOULDER AT SPLASH PAD	EA	45	
72	0000-999-U	SITE SHELTER	LS	1	
73	0000-999-V	SITE ELECTRICAL	LS	1	
74	0000-999-W	LANDSCAPE EDGING	LF	677	
75	0000-999-X	MULCH	CY	117	
76	0000-999-Y	TREE PROTECTION FENCE	LF	601	
77	0000-999-Z	ARCHED WATERFALL	LS	1	

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2010-108-C-0	CLEARING AND GRUBBING ITEM SHALL INCLUDE ALL CLEARING AND GRUBBING AS SHOWN ON THE REMOVALS SHEETS. TREE REMOVAL SHOULD INCLUDE COMPLETE TREE REMOVAL, INCLUDING ROOTS TO A DEPTH OF AT LEAST 12 INCHES. ALL TREES SHALL BE MARKED BY THE ENGINEER PRIOR TO REMOVAL.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
2	2010-108-E-0	EXCAVATION, CLASS 10 ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, EXCAVATION, HAULING, PLACEMENT OF MATERIAL, AND DISPOSAL OF MATERIAL. THE CONTRACTOR SHALL DISPOSE OF EXCESS MATERIAL OR UNSUITABLE BACKFILL MATERIAL AT AN OFFSITE LOCATION. PAYMENT SHALL BE PLAN QUANTITY. SEE EARTH WORK TABULATION TABLE FOR DETERMINATION OF QUANTITY. MOISTURE AND DENSITY TESTING WILL BE PROVIDED BY THE OWNER. EXCESS MATERIAL MAYBE WASTED ON SITE THROUGH THE CONSTRUCTION OF BERMS - CONTRACTOR SHALL PROVIDE LOCATIONS OF PROPOSED WASTE AREAS AND RECEIVE APPROVAL BY THE OWNER PRIOR WASTING EXCESS MATERIAL ON SITE. THIS ITEM SHALL INCLUDE TOPSOIL STRIP, STOCK, AND RESPREAD. PRIOR TO PLACING TOPSOIL THE TOP 4 INCHES OF THE EXISTING SOIL SHOULD BE TILLED. TOPSOIL SHALL BE RESPREAD AT A MINIMUM THICKNESS OF 6 INCHES. THE CONTRACTOR SHALL PREVENT COMPACTING THE TOPSOIL.
3	2010-108-G-0	SUBGRADE PREPARATION SUBGRADE PREPARATION SHALL COVER ALL AREAS UNDER THE PARKING LOT PAVEMENT PLUS 2 FEET BEHIND THE BACK OF CURB. SUBGRADE PREPARATION MUST BE COMPLETED IN 2 - 6" LIFTS. MOISTURE AND DENSITY TESTING WILL BE PROVIDED BY THE OWNER. SUBGRADE SHALL PASS MOISTURE AND DENSITY TESTING AND PROOF ROLL PRIOR TO PLACING MODIFIED SUBBASE. ALL AREAS FAILING MOISTURE AND DENSITY TEST OR PROOF ROLL SHALL BE REWORKED AND RECOMPACTED AT THE COST OF THE CONTRACTOR.
4	2010-108-I-0	SUBBASE, MODIFIED, 4 INCH AREA OF MODIFIED SUBBASE SHALL COVER ALL AREAS UNDER THE SIDEWALK, POURED-IN-PLACE SURFACING, PLAY TURF SURFACING, DRY CREEK BED PAEVEMENT, SPLASH PAD PAVEMENT AND PCC CURB AT PLAY TURF. RECYCLED CONCRETE WILL NOT BE ALLOWED. WORK INCLUDES, BUT IS NOT LIMITED TO, FURNSHING, PLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE.
5	2010-108-I-0	SUBBASE, MODIFIED, 6 INCH AREA OF MODIFIED SUBBASE SHALL COVER ALL AREAS UNDER THE PARKING LOT PAVEMENT PLUS 2 FEET BEHIND THE BACK OF CURB. RECYCLED CONCRETE WILL NOT BE ALLOWED. WORK INCLUDES, BUT IS NOT LIMITED TO, FURNISHING, PLACING, COMPACTING, AND TRIMMING TO THE PROPER GRADE.
6	4010-108-E-0	SANITARY SEWER SERVICE STUB, PVC, 6 IN. ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION; FURNISHING AND INSTALLING PIPE; FURNISHING, PLANCING, AND COMPACTING BEDDING AND BACKFILL MATERIAL; CONNECTION TO EXISTING MAIN; AND ALL NECESSARY FITTINGS. PIPE WILL BE MEASURED IN LINEAR FEET ALONG THE CENTERLINE OF THE PIPE INCLUDING ALL FITTINGS AND BENDS. PIPE MATERIAL SHALL BE SDR 23.5.
7	4010-108-I-0	SANITARY SEWER CLEANOUT ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, FITTINGS, RISER PIPE, CAP WITH SCREW PLUG, CASTING, AND CONCRETE CASTING ENCASEMENT. CLEANOUT SHALL CONFORM WITH SUDAS FIGURE 4010.203.
8	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 12 INCH THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, AND FURNISHING AND PLACEMENT OF BEDDING MATERIAL. PIPE EMBEDMENT SHALL BE CLASS R-1. PIPE MATERIAL SHALL BE RCP, CLASS III. JOINTS SHALL BE WRAPPED WITH ENGINEERING FABRIC. GASKETED JOINTS WILL BE REQUIRED 10' ON EACH SIDE OF WATERMAIN CROSSINGS.
9	4020-108-A-1	STORM SEWER, TRENCHED, RCP, 15 INCH THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, AND FURNISHING AND PLACEMENT OF BEDDING MATERIAL. PIPE EMBEDMENT SHALL BE CLASS R-1. PIPE MATERIAL SHALL BE RCP, CLASS III. JOINTS SHALL BE WRAPPED WITH ENGINEERING FABRIC. GASKETED JOINTS WILL BE REQUIRED 10' ON EACH SIDE OF WATERMAIN CROSSINGS.
10	4020-108-A-1	STORM SEWER, TRENCHED, PVC, 6 INCH THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, AND FURNISHING AND PLACEMENT OF BEDDING MATERIAL. PIPE EMBEDMENT SHALL BE F-2. THIS BID ITEMS SHALL BE USED TO CONNECT ROOF DRAIN DOWN SPOUT TO THE STORM SEWER SYSTEM. PIPE MATERIAL SHALL SDR 23.5. ITEM SHALL INCLUDE ALL NECESSARY BENDS AND FITTINGS REQUIRED TO CONNECT TO DOWN SPOUTS AT THE SHELTER AND ALL NECESSARY BENDS AND FITTING REQUIRED TO CONNECT TO THE THE STORM SEWER SYSTEM WHERE IDENTIFIED IN THE PLAN SET.
11	4020-108-A-1	STORM SEWER, TRENCHED, PVC, 10 INCH THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION, DEWATERING, AND FURNISHING AND PLACEMENT OF BEDDING MATERIAL. PIPE EMBEDMENT SHALL BE F-2. PIPE MATERIAL SHALL BE PVC SDR 23.5.
12	4020-108-C-0	LINEAR TRENCH DRAIN AT SPLASH PAD ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, MATERIAL, LABOR, AND INSTALLATION OF LINEAR TRENCH DRAIN. TRENCH DRAIN SHALL BE ZURN Z886 6-1/4 WIDE REVEAL TRENCH DRAIN SYSTEM. CONTRACTOR TO USE LOAD CLASS A FOR PEDESTRIAN TRAFFIC ONLY FOR INSTALLATION REQUIREMENTS. THE GRATE SHALLL BE ONE OF ZURN P6-DTW, P6-HPB, P6-HPD.
13	4030-108-B-0	PIPE APRON, RCP, 15 INCH ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, TRENCH EXCAVATION; DEWATERING; FURNISHING AND INSTALLING APRON; FURNISHING, PLACING, AND COMPACTING BEDDING AND BACKFILL MATERIAL; CONNECTORS; AND OTHER APPURTENANCES. ITEM SHALL INCLUDE CONCRETE FOOTING FOR PIPE APRON AND APRON GUARD. THE LAST 3 STICKS OF PIPE SHALL BE TIED TO PIPE APRON AND INCLUDED AS PART OF THIS BID ITEM.
14	4040-108-A-0	SUBDRAIN, PERFORATED, 6 INCH THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, TRENCH EXCAVATION, FURNISHING AND PLACEMENT OF BEDDING AND BACKFILL MATERIAL, ENGINEERING FABRIC, CONNECTORS, AND ELBOWS AND TEES. THE LENGTH OF ELBOWS AND TEES OF THE PIPES INSTALLED WILL BE INCLUDED IN THE LENGTH OF PIPE MEASURED. THIS ITEM SHALL INCLUDE ALL SUBDRAIN INSTALLED ON THE PROJECT, REGARDLESS OF LOCATION. REFER TO DETAILS FOR PLACEMENT OF SUBDRAIN AND PLAN SHEETS FOR LOCATION OF SUBDRAIN.
15	4040-108-C-0	SUBDRAIN CLEANOUT SUBDRAIN CLEANOUT SHALL BE TYPE A-1. CASTING SHALL SHALL READ "STORM C.O.".
16	4040-108-D-0	SUBDRAIN OUTLETS AND CONNECTIONS THIS ITEM SHALL INCLUDE, PIPE, NON-SHRINK GROUT, COUPLING BANDS, AND RODENT GUARDS FOR ALL SUBDRAIN OUTLETS AND CONNECTIONS. SUBDRAIN OUTLETS SHALL BE CMP. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ADEQUATE HOLES ARE CUT INTO PRECAST STORM SEWER STRUCTURES TO ACCOMODATE SUBDRAIN. SUBDRAIN OUTLETS INTO STORM SEWER PIPE SHALL BE MADE BY CORE DRILLING THE PIPE AND INSTALLING A INTERSTA TEE OR APPROVED EQUAL. PAYMENT WILL BE PER EACH OUTLET OR CONNECTION MADE, REGARDLESS IF CONNECTING TO AN INTAKE OR STORM SEWER PIPE.
17	5010-108-A-1	WATER MAIN, TRENCHED, C900 PVC, 8 INCH THIS ITEM SHALL INCLUDE TRENCH EXCAVATION, DEWATERING, FURNISHING AND INSTALLING PIPE, RESTRAINED JOINTS, THRUST BLOCKS, TRACER WIRE SYSTEM, TESTING, DISINFECTION, AND POLYETHYLENE WRAP FOR DUCTILE IRON FITTINGS. TRACER WIRE SHALL BE TERMINATED AT EACH HYDRANT. ALL FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM.
18	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 1 INCH THIS ITEM SHALL INCLUDE INSTALLATION OF WATERSERVICE, CONNECTION TO WATERMAIN, ALL NECESSARY FITTINGS FOR CONNECTION AT MAIN, AND CONNECTION TO CURB STOP. CURB STOP SHALL BE INCLUDED IN THIS BID ITEM.
19	5010-108-E-1	WATER SERVICE PIPE, TYPE K COPPER, 2 INCH THIS ITEM SHALL INCLUDE INSTALLATION OF WATERSERVICE, CONNECTION TO WATERMAIN, ALL NECESSARY FITTINGS FOR CONNECTION AT MAIN, AND CONNECTION TO CURB STOP. CURB STOP SHALL BE INCLUDED IN THIS BID ITEM.
20	5020-108-A-0	VALVE, GATE VALVE, 8 INCH THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL VALVE AND VALVE BOX AS SPECIFIED IN THE PLAN SET. VALVE STEM EXTENSIONS SHALL BE INSTALLED ON ANY VALVE DEEPER THAN 6'. VALVE BOX SHALL HAVE A DROP IN LIB LABELED "WATER." VALVES IN PAVEMENT SHALL HAVE SLIDE TYPE SHAFT EXTENSIONS.
21	5020-108-B-0	TAPPING VALVE ASSEMBLY, 8 INCH THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO MAKE CONNECTION TO EXISTING WATERMAIN AS SHOWN IN THE PLAN SET.
22	5020-108-C-0	FIRE HYDRANT ASSEMBLY THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL FIRE HYDRANT ASSEMBLY WHERE SPECIFIED IN THE PLAN SET. ITEM SHALL INCLUDE THE FIRE HYDRANT, BARREL EXTENSIONS, COMPONENTS TO CONNECT THE FIRE HYDRANT TO THE WATERMAIN; INCLUDING ANCHORING PIPE, FITTINGS, TRACER WIRE, TRACER WIRE RECEPTACLE BOX, THRUST BLOCKS, EXCAVATION, PEA GRAVEL OR POROUS BACKFILL, 6" FIRE HYDRANT GATE VALVE, AND TEE FITTING AT WATERMAIN. HYDRANT LEED SHALL BE 6" DUCTILE IRON PIPE. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE WRAP. TRACER WIRE RECEPTACLE BOX SHALL BE PLACED ON OPPOSITE SIDE OF OPERATING NOZZLES OF HYDRANT.



NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 G1 - TITLE SHEET
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE
QUANTITIES AND
ESTIMATE
REFERENCE
INFORMATION

SHEET

G1-20

PLOT DATE: 3/31/2022 3:24 PM

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
23	6010-108-A-0	STORM MANHOLE, SW-401, 48 INCH DIA. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL STORM SEWER MANHOLES WHERE SPECIFIED IN THE CONTRACT DOCUMENTS. ITEM SHALL INLCUDE EXCAVATION, CONNECTION OF PIPE, POURED INVERTS AND DOGHOUSES, CASTING, AND PLACING AND COMPACTING BACKFILL. ALL STORM SEWER MANHOLE LIDS SHALL READ "STORM SEWER".
24	6010-108-B-0	INTAKE, SW-501 THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL STORM SEWER INTAKE WHERE SPECIFIED IN THE CONTRACT DOCUMENTS. ITEM SHALL INCLUDE EXCAVATION, CONNECTION OF PIPE, POURED INVERTS AND DOGHOUSES, GRATE AND FRAME, AND PLACING AND COMPACTING BACKFILL. ADJUSTMENT RINGS WILL NOT BE ALLOWED, ALL ADJUSTMENTS SHALL BE POURED.
25	6010-108-B-0	INTAKE, SW-505 SAME AS ITEM 24.
26	6010-108-B-0	INTAKE, SW-512 SAME AS ITEM 24.
27	6010-108-B-0	INTAKE, SW-513 SAME AS ITEM 24.
28	6010-108-H-0	REMOVE INTAKE THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE COMPLETE REMOVAL OF THE AREA INTAKE AS CALLED OUT ON THE REMOVALS SHEETS. ALL MATERIAL SHALL BE DISPOSED OF PROPERLY AT AN OFF-SITE LOCATION.
29	7010-108-A-0	PAVEMENT, PCC, 7 INCH CONCRETE WILL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SLAG IS NOT ALLOWED. CONCRETE TESTING SHALL BE PROVIDED BY THE OWNER. ALL TRANSVERSE JOINTS SHALL BE C JOINTS UNLESS OTHERWISE SPECIFIED. ALL JOINTS SHALL BE CLEANED AND SEALED PRIOR TO OPENING THE PAVEMENT TO TRAFFIC.
30	7030-108-A-0	REMOVAL OF SIDEWALK ALL REMOVALS TO BE MARKED AND MEASURED BY THE ENGINEER. FULL DEPTH SAW CUTS ALONG THE REMOVAL LIMITS ARE INCIDENTAL TO THIS ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL REMOVAL, EARTHWORK, SUBGRADE PREPARATION, MODIFIED SUBBASE AND PAVING EXPENSES DUE TO DAMAGED EDGES. ADDITIONAL REMOVAL TO BE DETERMINED BY THE ENGINEER. PAYMENT SHALL BE MADE FOR THE AREA OF PAVEMENT REMOVED, REGARDLESS OF PAVEMENT THICKNESS. ESTIMATED PAVEMENT THICKNESS IS 4".
31	7030-108-E-0	SIDEWALK, PCC, 6 INCH CONCRETE WILL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SLAG IS NOT ALLOWED. COMPACTION OF SUBGRADE AND SUBBASE USED FOR GRADING SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. THICKENED EDGE SIDEWALK SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. CONCRETE TESTING WILL BE PROVIDED BY THE OWNER.
32	7030-108-G-0	DETECTABLE WARNING DETECTABLE WARNING SHALL BE BRICK RED IN COLOR.
33	7040-108-H-0	PAVEMENT REMOVAL ALL REMOVALS SHALL BE MARKED AND MEASURED BY THE ENGINEER. FULL DEPTH SAW CUTS ALONG THE REMOVAL LIMITS ARE INCIDENTAL TO THIS ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL REMOVAL, EARTHWORK, AND PAVING EXPENSES DUE TO DAMAGED EDGES. ADDITIONAL REMOVAL TO BE DETERMINED BY THE ENGINEER. PAYMENT SHALL BE MADE FOR THE AREA OF PAVEMENT REMOVED, REGARDLESS OF THICKNESS. PAYMENT THICKNESS IS ESTIMATED TO BE 7".
34	8020-108-B-0	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE PAVEMENT MARKINGS SHALL BE MEASURED PER STATION BASED ON A NOMINAL 4" PAVEMENT MARKING. REFER TO PLAN SHEETS FOR COLOR AND TYPE OF MARKING SPECIFIED. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, REFLECTORIZING SPHERES, LAYOUT, SURFACE PREPARATION, AND APPLICATION OF MARKING PAINT.
35	8020-108-G-0	PAINTED SYMBOLS AND LEGENDS PAVEMENT MARKINGS SYMBOLS AND LEGENDS SHALL BE MEASURED AND PAID FOR ON A COUNT BASIS PER EACH SYMBOL OR LEGEND INSTALLED. REFER TO PLAN SHEETS FOR TYPE AND LOCATION. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, LAYOUT, SURFACE PREPARATION, AND APICATION OF EACH SYMBOL AND LEGEND.
36	8030-108-A-0	TEMPORARY TRAFFIC CONTROL ITEM SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED FOR TEMPORARY TRAFFIC CONTROL FOR THE PROJECT. REFER TO TRAFFIC CONTROL SHEETS FOR PLAN LAYOUT AND DETAILS. ALL TRAFFIC CONTROL SHALL BE INSTALLED PER MUTCD AND IDOT REQUIREMENTS.
37	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (NATIVE PLANTING MIX) REFER TO RESTORATION PLAN FOR SEED MIX. ITEM SHALL INCLUDE SEED BED PREPARATION. SEED BED SHALL BE PREPARED PER SUDAS SECTION 9010-3.04-C PRIOR TO SEEDING.
38	9010-108-A-0	CONVENTIONAL SEEDING, SEEDING, FERTILIZING, AND MULCHING (DETENTION BASIN MIX) REFER TO RESTORATION PLAN FOR SEED MIX. ITEM SHALL INCLUDE SEED BED PREPARATION. SEED BED SHALL BE PREPARED PER SUDAS SECTION 9010-3.04-C PRIOR TO SEEDING.
39	9020-108-A-0	SOD THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, THE PREPARATIONS OF SOD AND SODBED, STAKES, FERTILIZING, WATERING, MAINTENANCE, AND CLEAN-UP. CLEAR THE TOP 3 INCHES OF SOIL LUMPS, STONES OVER 1/2 INCH, AND FOREIGN MATERIAL USING HAND LABOR AS REQUIRED. MAINTENANCE WILL BEGIN IMMEDIATELY FOLLOWING INSTALLATION OF SOD AND CONTINUE FOR A PERIOD OF 14 DAYS. MAINTENANCE OF SODDED AREAS INCLUDES: WATERING, WEEDING, MOWING, AND REMOVAL AND REINSTALLATION OF SODDED AREAS TAHT FAIL TO SURVIVE. ANY WATER USE FROM A HYDRANT REQUIRES THE USE OF A HYDRANT METER. PRIOR TO PLACING SOD, THE SODBED SHALL BE AERATED BY MECHANICAL EQUIPMENT. AERATING THE SODBED SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
40	9030-108-B-0	GRASSES, 1 GAL REFER TO PLANS FOR LOCATION, QUANTITY, SIZE, AND SPECIES. THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL GRASSES IN ACOORDANCE WITH SUDAS SECTION 9030 AND AMENDED AS FOLLOWS: SHRUBS SHALL HAVE ONE YEAR WARRANTY FROM THE DATE OF PROJECT SUBSTANTIAL COMPLETION. ACCEPTANCE OF PLANT MATERIALS CONSTRUES FULL PAYMENT (MINUS PROJECT RETAINAGE). INCLUDES ALL, BUT NOT LIMITED TO, EXCAVATION, INSTALLATION, HERBICIDE, MAINTENANCE AND WATERING DURING ESTABLISHMENT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS. THE CONTRACTOR SHALL TAKE CARE TO INSTALL AND MAINTIAN SHRUBS IN A STRAIGHT AND UPRIGHT POSITION.
41	9030-108-B-0	PERENNIALS, 1 GAL REFER TO PLANS FOR LOCATION, QUANTITY, SIZE, AND SPECIES. THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL PERENNIALS IN ACOORDANCE WITH SUDAS SECTION 9030 AND AMENDED AS FOLLOWS: SHRUBS SHALL HAVE ONE YEAR WARRANTY FROM THE DATE OF PROJECT SUBSTANTIAL COMPLETION. ACCEPTANCE OF PLANT MATERIALS CONSTRUES FULL PAYMENT (MINUS PROJECT RETAINAGE). INCLUDES ALL, BUT NOT LIMITED TO, EXCAVATION, INSTALLATION, HERBICIDE, MAINTENANCE AND WATERING DURING ESTABLISHMENT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS. THE CONTRACTOR SHALL TAKE CARE TO INSTALL AND MAINTIAN SHRUBS IN A STRAIGHT AND UPRIGHT POSITION.
42	9030-108-B-0	SHRUBS, 3 GAL REFER TO PLANS FOR LOCATION, QUANTITY, SIZE, AND SPECIES. THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL SHRUBS IN ACOORDANCE WITH SUDAS SECTION 9030 AND AMENDED AS FOLLOWS: SHRUBS SHALL HAVE ONE YEAR WARRANTY FROM THE DATE OF PROJECT SUBSTANTIAL COMPLETION. ACCEPTANCE OF PLANT MATERIALS CONSTRUES FULL PAYMENT (MINUS PROJECT RETAINAGE). INCLUDES ALL, BUT NOT LIMITED TO, EXCAVATION, INSTALLATION, HERBICIDE, MAINTENANCE AND WATERING DURING ESTABLISHMENT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS. THE CONTRACTOR SHALL TAKE CARE TO INSTALL AND MAINTIAN SHRUBS IN A STRAIGHT AND UPRIGHT POSITION.
43	9030-108-B-0	TREE, OVERSTORY, 2" CAL REFER TO PLANS FOR LOCATTION, QUANTITY, AND SPECIES. THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL TREE IN ACCORDANCE WITH SUDAS SECTION 9030 AND AMENDED AS FOLLOWS: TREES SHALL HAVE ONE YEAR WARRANTY FROM THE DATE OF PROJECT SUBSTANTIAL COMPLETION. ACCEPTANCE OF PLANT MATERIALS CONSTRUES FULL PAYMENT (MINUS PROJECT RETAINAGE). INCLUDES ALL, BUT NOT LIMITED TO, EXCAVATION, INSTALLATION, HERBICIDE, MAINTENANCE AND WATERING DURING ESTABLISHMNT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
44	9030-108-B-0	TREE, EVERGREEN, 4' HT MIN REFER TO PLANS FOR LOCATTION, QUANTITY, AND SPECIES. THIS ITEM INCLUDES LABOR, MATERIAL, AND EQUIPMENT TO FURNISH AND INSTALL TREE IN ACCORDANCE WITH SUDAS SECTION 9030 AND AMENDED AS FOLLOWS: TREES SHALL HAVE ONE YEAR WARRANTY FROM THE DATE OF PROJECT SUBSTANTIAL COMPLETION. ACCEPTANCE OF PLANT MATERIALS CONSTRUES FULL PAYMENT (MINUS PROJECT RETAINAGE). INCLUDES ALL, BUT NOT LIMITED TO, EXCAVATION, INSTALLATION, HERBICIDE, MAINTENANCE AND WATERING DURING ESTABLISHMNT PERIOD, AND WARRANTY AND REJECTION REPLACEMENTS.
45	9040-108-A-1	SWPPP PREPARATION THIS ITEM INCLUDES THE DEVELOPMENT OF A SWPPP BY THE CONTRACTOR MEETING ALL LOCAL AND STATE AGENCY REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NPDES GENERAL PERMIT #2.
46	9040-108-A-2	SWPPP MANAGEMENT THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, ALL WORK REQUIRED TO COMPLY WITH THE ADMINISTRATIVE PROVISIONS OF THE IOWA DNR NPDES GENERAL PERMIT NO. 2; INCLUDING RECORD KEEPING, DOCUMENTATION, UPDATING THE SWPPP, FILING THE NOTICE OF DISCONTINUATION, ETC. WEEKLY INSPECTION REPORTS SHALL BE SENT TO THE ENGINEER 48 HOURS AFTER INSPECTION.
47	9040-108-D-1	FILTER SOCK, 9 INCH DIAMETER THIS ITEM INCLUDES, BUT IS NOT LIMITED TO, ANCHORING STAKES, MAINTENANCE, REPLACEMENT OF DEFICIENT FILTER SOCK, RESTORATION OF THE AREA TO FINISHED GRADE, AND OFF-SITE DISPOSAL OF THE FILTER SOCK AND ACCUMULATED SEDIMENT.
48	9040-108-E-0	TEMPORARY RECP, TYPE 2.D ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, EXCAVATION, STAPLES, ANCHORING DEVICES, AND MATERIAL FOR ANCHORING SLOTS. THE CONTRACTOR SHALL COORDINATE INSTALL PER MANUFACTURERS RECOMMENDATIONS.
49	9040-108-J-0	RIP RAP, EROSION STONE ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, EXCAVATION, ENGINEERING FABRIC, INSTALLATION, AND MATERIAL.
50	9040-108-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING ITEM SHALL BE USED TO STABILIZE ALL DISTURBED AREAS THAT HAVE REACHED FINISHED GRADE OUTSIDE OF THE SEEDING DATES. ITEM SHALL ONLY BE USED WITH APPROVAL OF THE ENGINEER. EROSION CONTROL MULCHING SHALL BE APPLIED AT A MINIMUM APPLICATION RATE OF 1,500 LB/AC DRY WEIGHT.
51	11020-108-A-1	MOBILIZATION THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE MOVEMENT OF PERSONNEL, EQUIPMENT, AND SUPPLIES TO THE PROJECT SITE, BONDING, PERMITS, OR OTHER EXPENSES INCURRED PRIOR TO CONSTRUCTION. PAYMENT SHALL BE PER SUDAS SECTION 11020.
52	11050-108-A-0	CONCRETE WASHOUT THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO PROVIDE AND MAINTAIN A CONCRETE WASHOUT DURING ALL PAVING OPERATIONS. CONCRETE WASHOUT SHALL BE "ROLL OFF" TYPE AND PLACED TO NOT IMPEDE TRAFFIC. PAYMENT SHALL BE LUMP SUM, REGARDLESS OF NUMBER OF MOBILIZATIONS TO THE SITE FOR MAINTENANCE AND INSTALLATION.
53	0000-999-A	POURED IN PLACE SURFACING (NORTH PLAYGROUND) REFER TO SPECIFICATION 32 1816.13 - PLAYGROUND PROTECTIVE SURFACING. REFER TO PLANS FOR DETAILS AND LOCATION. FURNISH AND INSTALL SAFETY SURFACING PER MANUFACTURERS SPECIFICAITONS, PCC SUBSLAP, WEEP HOLES, GEOTEXTILE FABRIC, AND INTEGRAL CURB INCIDENTAL TO THIS ITEM. PERPARATION AND COMPACTION OF MODIFIED SUBBASE PAID UNDER A SEPARATE ITEM. CONCRETE SHALL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER SQUARE FOOT OF POURED-IN-PLACE SURFACING INSTALLED.
54	0000-999-B	PLAYGROUND EQUIPMENT (NORTH PLAYGROUND) REFER TO SPECIFICAITON 11 6813 - PLAYGROUND EQUIPMENT. REFER TO PLANS FOR DETAILS AND LOCATION. FURNISH AND INSTALL PLAY EQUIPMENT PER MANUFACTURERS SPECIFICAITONS, INCLUDING ALL ATTACHMENTS AND FOOTINGS. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
55	0000-999-C	PLAY TURF SURFACING (NATURE PLAYSCAPE) REFER TO SPECIFICATION 32 1813 - PLAYGROUND GRASS RESILIENT SURFACING. REFER TO PLANS FOR DETAILS AND LOCATION. FURNISH AND INSTALL PLAY TURF AND UNDERLAYMENT PER MANUFACTURERS SPECIFICATIONS AND NAILER BOARD INCIDENTAL TO THIS ITEM. PERPARATION AND COMPACTION OF MODIFIED SUBBASE PAID UNDER A SEPARATE ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER SQUARE FOOT OF PLAY TURF SURFACING INSTALLED.
56	0000-999-D	PCC CURB AT PLAY TURF REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PCC CURB AT PLAY TURF. ITEM INCLUDES EXCAVATION TO PLACE FORMS AND PAVEMENT AT REQUIRED ELEVATIONS, FORMING, REBAR, AND PLACEMENT OF CONCRETE AS SPECIFIED. CONCRETE SHALL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. PREPARATION AND COMPACTION OF MODIFIED SUBBASE PAID UNDER SEPARATE ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER LINEAR FOOT INSTALLED.
57	0000-999-E	PLAYGROUND EQUIPMENT (NATURE PLAYSCAPE) REFER TO SPECIFICAITON 11 6813 - PLAYGROUND EQUIPMENT. REFER TO PLANS FOR DETAILS AND LOCATION. FURNISH AND INSTALL PLAY EQUIPMENT PER MANUFACTURERS SPECIFICAITONS, INCLUDING ALL ATTACHMENTS AND FOOTINGS. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR LUMP SUM FURNISHED AND INSTALLED.
58	0000-999-F	SPLASH PAD PAVEMENT REFER TO SPECIFICATION 32 1313 - CONCRETE PAVING AND 32 1316 - INTEGRAL COLORED CONTRETE PAVING. REFER TO PLANS FOR DETAILS AND LOCATION. ITEM INCLUDES EXCAVATION TO PLACE FORMS AND PAVEMENT AT REQUIRED ELEVATIONS, FORMING, REBAR, BONDING, PLACEMENT OF CONCRETE AND FINISHING AS SPECIFIED. ITEM SHALL INCLUDE 588 SF OF INTEGRAL COLOR PER PLANS AND SPECIFICATIONS. PREPARATION AND COMPACTION OF MODIFIED SUBBASE PAID UNDER A SEPARATE ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER SQUARE FOOT OF SPLASH PAD PAVEMENT INSTALLED. MOCK-UPS INCIDENTAL TO THIS ITEM.
59	0000-999-G	SPLASH PAD FEATURES AND EQUIPMENT REFER TO VORTEX DRAWINGS FOR DETAILS. REFER TO SITE PLAN FOR LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALLSPLASH PAD FEATURES AND EQUIPMENT. THE CONTRACTOR WILL BE PAID THE LUMP SUM PRICE.
60	0000-999-H	DRY CREEK BED PAVEMENT REFER TO SPECIFICAITON 32 1313 - CONCRETE PAVING AND 32 1316 - INTEGRAL COLORED CONCRETE PAVING. REFER TO PLANS FOR DETAILS AND LOCATION. ITEM INCLUDES EXCAVATION TO PLACE FORMS AND PAVEMENT AT REQUIRED ELEVATIONS, FORMING, REBAR, BONDING, PLACEMENT OF CONCRETE AND FINISHING AS SPECIFIED. ITEM SHALL INCLUDE INTEGRAL COLOR PER PLANS AND SPECIFICATIONS. PREPARATION AND COMPACTION OF MODIFIED SUBBASE PAID UNDER A SEPARATE ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER SQUARE FOOT OF DRY CREEK BED PAVEMENT INSTALLED. MOCK-UPS INCIDENTAL TO THIS ITEM.
61	0000-999-I	BENCH REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL BENCHES. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
62	0000-999-J	SANDSTONE BENCH REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL SANDSTONE BENCHES. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
63	0000-999-K	LITTER RECEPACLE REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL LITTER RECEPTACLES. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
64	0000-999-L	BIKE RACK REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL BIKE RACKS. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
65	0000-999-M	PICNIC TABLE REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PICNIC TABLES. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.





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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES

IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 G1 - TITLE SHEET
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

ESTIMATE REFERENCE INFORMATION

SHEET

G1-21

PLOT DATE: 3/31/2022 3:24 PM

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
66	0000-999-N	PICNIC TABLE (ADA) REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PICNIC TABLES (ADA). THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED.
67	0000-999-O	PLAY MOUND REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PLAY MOUNDS. ITEM INCLUDES EXCAVATION, SUBGRADE PREPARATION, INSTALLATION OF SUITABLE BACKFILL, COMPACTION, AND PLACEMENT OF PCC SUBSLAB AS SPECIFIED. CONCRETE SHALL BE A C-4 MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER SQUARE FOOT OF PLAY MOUND FURNISHED AND INSTALLED.
68	0000-999-P	PEDESTRIAN BRIDGES REFER TO SPECIFICAITON 32 3300 - SITE FURNISHINGS. REFER TO PLANS FOR DETAILS AND LOCATION. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL PEDESTRIAN BRIDGES. HIDDEN CURB, REBAR, AND ALL NECESSARY ATTACHMENTS INCIDENTAL TO THIS ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE LUMP SUM PRICE FURNISHING AND INSTALLING PEDESTRIAN BRIDGES.
69	0000-999-R	LIMESTONE BLOCK REFER TO PLANS FOR DETAILS AND LOCATION. WORK INCLUDES CUTTING, LEVELING, INSTALLATION, EXCAVATING, AND BACKFILLING REQUIRED FOR CONSTRUCTION OF THE FOOTING. MODIFIED SUBBASE AND CRUSHED LIMESTONE JOINT FILLER AS SHOWN IN THE DETAIL SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED. SHOP DRAWINGS INCIDENTAL TO THIS ITEM.
70	0000-999-S	OUTCROPPING BORDER REFER TO PLANS FOR DETAILS AND LOCATION. WORK INCLUDES CUTTING, LEVELING, INSTALLATION, EXCAVATING, AND BACKFILLING REQUIRED FOR CONSTRUCTION OF THE FOOTING. MODIFIED SUBBASE AS SHOWN IN THE DETAIL SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED. SHOP DRAWINGS INCIDENTAL TO THIS ITEM.
71	0000-999-T	BOULDER AT SPLASH PAD REFER TO PLANS FOR DETAILS AND LOCATION. WORK INCLUDES CUTTING, LEVELING, INSTALLATION, EXCAVATING, AND BACKFILLING REQUIRED FOR CONSTRUCTION OF THE FOOTING. MODIFIED SUBBASE AND CRUSHED LIMESTONE JOINT FILLER AS SHOWN IN THE DETAIL SHALL BE CONSIDERED INCIDENTAL TO THIS BID ITEM. THE CONTRACTOR WILL BE PAID THE UNIT PRICE FOR EACH FURNISHED AND INSTALLED. SHOP DRAWINGS INCIDENTAL TO THIS ITEM.
72	0000-999-U	SITE SHELTER REFER TO A SHEETS AND S SHEETS FOR DETAILS, SPECIFICATIONS, AND QUANTITIES. THE CONTRACTOR WILL BE PAID THE LUMP SUM PRICE.
73	0000-999-V	SITE ELECTRICAL REFER TO E SHEETS AND T SHEETS FOR DETAILS, SPECIFICATIONS, AND QUANTITIES. THE CONTRACTOR WILL BE PAID THE LUMP SUM PRICE.
74	0000-999-W	LANDSCAPE EDGING REFER TO PLANS FOR DETAILS AND LOCATION. THE CONTRACTOR SHALL ENSURE NO VOIDS EXIST BETWEEN LAWN, GROUNDCOVER, AND LANDSCAPE EDGING. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER LINEAL FOOT OF LANDSCAPE EDGING INSTALLED.
75	0000-999-X	MULCH THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL MULCH. FURNISH AND INSTALL MULCH IN AREAS AS INDICATED ON PLANS TO A 3-INCH DEPTH. MULCH MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT BY VISUAL INSPECTION OF SAMPLE SUBMITTED. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER CUBIC YARD OF MULCH INSTALLED.
76	0000-999-Y	TREE PROTECTION FENCE REFER TO PLANS FOR DETAILS AND LOCATION. ITEM INCLUDES INSTALLATION, MAINTENANCE, REMOVAL, AND RESTORATION AT PROJECT COMPLETION. THE CONTRACTOR WILL BE PAID THE UNIT PRICE PER LINEAR FOOT OF TREE PROTECTION FENCING INSTALLED.
77	0000-999-Z	ARCHED WATERFALL REFER TO SPECIFICATION 11 6813 - PLAYGROUND EQUIPMENT. COORDINATE WATER SUPPLY WITH VORTEX DRAWINGS. REFER TO PLANS FOR DETAILS AND LOCATION. FURNISH AND INSTALL WATERFALL FEATURE PER MANUFACTURER SPECIFICATIONS, INCLUDING ALL ATTACHMENTS AND FOOTINGS. THIS WORK INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL WATERFALL FEATURE. THE CONTRACTOR WILL BE PAID THE LUMP SUM PRICE.

ESTIMATED PROJECT QUANTITIES (ALTERNATE A)					
ITEM NO.	ITEM CODE	ITEM	UNIT	QTY	AS BUILT QTY
A1	0000-999-AA	PARKING LOT LIGHTING	LS	1	

ESTIMATE REFERENCE INFORMATION (ALTERNATE A)		
ITEM NO.	ITEM CODE	DESCRIPTION
A1	0000-999-AA	PARKING LOT LIGHTING REFER TO E SHEETS AND T SHEETS FOR DETAILS, SPECIFICATIONS, AND QUANTITIES. THIS ITEM INCLUDES THE MATERIALS, LABOR, AND INSTALLATION OF THE 5 LIGHT POLES ADJACENT TO THE THE PARKING LOT. THE CONTRACTOR WILL BE PAID THE LUMP SUM PRICE.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 G1 - TITLE SHEET
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
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ORIGINAL ISSUE DATE	03/18/2022
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TITLE

ESTIMATE
REFERENCE
INFORMATION

SHEET

G1-22



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 CO - SITE DETAILS 1
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SCHEDULES

SHEET

G1-23

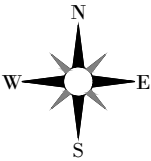
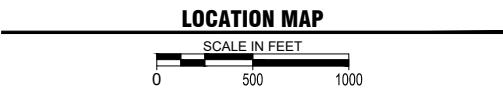
STORM DRAIN STRUCTURE SCHEDULE							
STRUCTURE NO.	STRUCTURE TYPE	STRUCTURE SIZE (IN)	STRUCTURE MATERIAL	CASTING	* TOP OF CASTING ELEVATION	INVERT ELEVATION	OUTLET PIPE
ST-1	SW-401	48 Ø	RC	SW-602 TYPE E	958.98	954.11	P-1
ST-1A	SW-501	36 x 24	RC	SW-603 TYPE R	958.06	954.43	P-1A
ST-2	SW-401	48 Ø	RC	SW-602 TYPE E	960.91	954.69	P-2
ST-2A	SW-505	80 x 24	RC	SW-603 TYPE R	959.01	955.51	P-2A
ST-3	SW-401	48 Ø	RC	SW-602 TYPE E	961.33	955.23	P-3
ST-4	SW-512	24 Ø	RC	SW-604 TYPE 3B	958.48	955.59	P-4
ST-5	SW-401	48 Ø	RC	SW-602 TYPE E	957.01	950.26	EX-STM
ST-6	SW-513 3' X 8' OPENING AT ELEVATION 956.50	48 x 48	RC	SW-602 TYPE E	957.75	950.55	P-5
ST-7	SW-512	24 Ø	RC	SW-604 TYPE 3B	953.66	950.90	P-6

STORM DRAIN PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE (IN)	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-1	ST-1	954.11	FES-1	954.00	15	RCP	CLASS III	0.50%	23
P-1A	ST-1A	954.43	ST-1	954.21	15	RCP	CLASS III	0.50%	43
P-2	ST-2	954.69	ST-1	954.21	15	RCP	CLASS III	0.50%	95
P-2A	ST-2A	955.51	ST-2	954.79	15	RCP	CLASS III	1.00%	72
P-3	ST-3	955.23	ST-2	954.79	12	RCP	CLASS III	0.50%	89
P-4	ST-4	955.59	ST-3	955.33	12	RCP	CLASS III	0.50%	52
P-5	ST-6	950.55	ST-5	950.36	15	RCP	CLASS III	0.50%	38
P-6	ST-7	951.40	ST-6	951.28	10	PVC	SDR 23.5	0.98%	12

SANITARY SEWER PIPE SCHEDULE								
PIPE NO.	INLET ELEVATION	OUTLET ELEVATION	PIPE SIZE	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)	
P-100	951.55	948.12	6"	PVC	SDR-26	1.16%	296	
P-101	951.87	951.55	6"	PVC	SDR-26	1.16%	28	
P-102	952.22	951.87	6"	PVC	SDR-26	1.16%	29	
P-103	952.49	952.22	6"	PVC	SDR-26	1.16%	23	

STORM DRAIN APRON SCHEDULE				
APRON NO.	APRON SIZE (IN)	APRON MATERIAL	INVERT ELEVATION	PIPE NO.
FES-1	15	RC	954.00	P-1

Earthwork Tabulation Table										
	Column 1	Depth, FT	Quantity, SY	Quantity, SF	Volume, CF	Volume, CY	Cut, CY	Fill, CY	Fill Factor	Adj. Fill
	Excavation RAW data (EG-FG)						2139.8	1894.67	1.35	2557.80
Line (1)	Existing Pavement Removal (7")	0.58	280	2520	1470	54.44				
Line (2)	Existing Sidewalk Removal (4")	0.33	20	180	60	2.22				
Line (3)	Pavement, PCC, 7 Inch	0.58	1660	14940	8715	322.78				
Line (4)	Sidewalk, PCC, 6 Inch	0.50	2030	18270	9135	338.33				
Line (5)	Subbase, Modified, 4 Inch	0.33	3750	33750	11250	416.67				
Line (6)	Subbase, Modified, 6 Inch	0.50	1915	17235	8617.5	319.17				
Line (7)	Poured In Place Surfacing	0.83	403.33	3630	3025	112.04				
Line (8)	Splash Pad Pavement	0.50	587.11	5284	2642	97.85				
Line (9)	Dry Creek Bed Pavement	0.50	205.56	1850	925	34.26				
Line (3 + 4 + 5 + 6 + 7 + 8 + 9) - Line (1 + 2)	Paving Difference (Proposed - Existing)						1584.43			
							3724.23	1894.67	1.35	2557.80
										-1166.42 (Net Cut)



ABBREVIATIONS:

AC	ACRE	CIP	CAST IRON PIPE	DS	DOWNSPOUT	FTG	FOOTING	LS	LUMP SUM	OHD	OVERHEAD DOOR	REM	REMOVE	TNHF	TOP NUT OF FIRE HYDRANT
ADA	AMERICANS WITH DISABILITIES ACT	CIPC	CAST IN PLACE CONCRETE	EA	EACH	GA	GAUGE	LSO	LOWEST STRUCTURAL OPENING	OZ	OUNCE	ROW	RIGHT OF WAY	TRANS	TRANSFORMER
ADD	ADDENDUM	CJ	CONTROL JOINT	ELEC	ELECTRICAL	GAL	GALLON	MAX	MAXIMUM	PED	PEDESTAL, PEDESTRIAN	R/W	RIGHT OF WAY	TV	TELEVISION
AFF	ABOVE FINISHED FLOOR	CL	CENTERLINE	ELEV	ELEVATION	GALV	GALVANIZED	MB	MAIL BOX	PERF	PERFORATED	SAN	SANITARY	T/W	TOP OF WALL
AGG	AGGREGATE	CMF	CORRUGATED METAL PIPE	EOF	EMERGENCY OVERFLOW	GC	GENERAL CONTRACTOR	MECH	MECHANICAL	PL	PROPERTY LINE	SCH	SCHEDULE	TYP	TYPICAL
APPROX	APPROXIMATE	CO	CLEANOUT	EQ	EQUAL	GFE	GARAGE FLOOR ELEVATION	MH	MANHOLE	PP	POLYPROPYLENE	SF	SQUARE FOOT	UT	UTILITY, UNDERGROUND
ARCH	ARCHITECT, ARCHITECTURAL	CONC	CONCRETE	EX	EXISTING	GL	GUTTER LINE	MIN	MINIMUM	PSI	POUNDS PER SQUARE INCH	SPEC	SPECIFICATION	UT	TELEPHONE
BFE	BASEMENT FLOOR ELEVATION	CONST	CONSTRUCTION	F/G	FORM GRADE	GPM	GALLONS PER MINUTE	MISC	MISCELLANEOUS	PVC	POLYVINYL CHLORIDE	SQ	SQUARE	VCP	VITRIFIED CLAY PIPE
BIT	BITUMINOUS	CONT	CONTINUOUS	FDC	FIRE DEPARTMENT CONNECTION	GV	GATE VALVE	NO	NUMBER	PVMT	PAVEMENT	STA	STATION	W/O	WITHOUT
CAD	COMPUTER-AIDED DESIGN	CY	CUBIC YARD	FDN	FOUNDATION	HDPE	HIGH DENSITY POLYETHYLENE	NTS	NOT TO SCALE	QTY	QUANTITY	SY	SQUARE YARD	W/	WITH
CB	CATCH BASIN	C&G	CURB AND GUTTER	FFE	FINISHED FLOOR ELEVATION	HD	HEAVY DUTY	NWL	NORMAL WATER LEVEL	RAD	RADIUS	T/C	TOP OF CURB	YD	YARD
CFS	CUBIC FEET PER SECOND	DEMO	DEMOLITION	FPM	FEET PER MINUTE	HH	HANDHOLE	OC	ON CENTER	RCP	REINFORCED CONCRETE PIPE	TEL	TELEPHONE	YR	YEAR
CF	CUBIC FOOT	DIA	DIAMETER	FPS	FEET PER SECOND	HORIZ	HORIZONTAL	OCEW	ON CENTER EACH WAY	RD	ROOF DRAIN	TEMP	TEMPORARY		
CI	CAST IRON	DIM	DIMENSION	FT	FOOT, FEET	HR	HOOR	OH	OVERHEAD	REBAR	REINFORCING BAR	THRU	THROUGH		

PROJECT LOCATION:

200 N JAMES ST
GRIMES, IA 50111

SECTION 31/T80N/R25W

GRIMES, IOWA

CIVIL SHEET INDEX

- C0-10 SITE DATA SHEET
- C0-20 CONSTRUCTION NOTES
- C0-21 CONSTRUCTION NOTES
- C0-30 SITE DETAILS - UTILITIES
- C0-31 SITE DETAILS - UTILITIES
- C0-32 SITE DETAILS - UTILITIES
- C0-33 SITE DETAILS - UTILITIES
- C0-40 SITE DETAILS - PAVEMENT
- C0-41 SITE DETAILS - CURB
- C0-50 SITE DETAILS - NATURAL STONE
- C0-51 SITE DETAILS - GRATES
- C0-60 SITE DETAILS - PLAY MOUNDS
- C0-61 SITE DETAILS - FURNISHINGS
- C0-70 SITE DETAILS - ID SCULPTURE
- C0-71 SITE DETAILS - ID SCULPTURE
- C1-10 SWPPP NOTES AND DETAILS
- C1-20 PRE-CONSTRUCTION EROSION CONTROL PLAN
- C1-30 POST-CONSTRUCTION EROSION CONTROL PLAN
- C2-10 EXISTING SITE AND REMOVALS PLAN
- C3-10 SITE PLAN
- C3-11 ENLARGED SITE PLAN
- C3-20 SIGNAGE AND STRIPING
- C3-30 UTILITY PLAN
- C3-31 UTILITY PROFILES
- C4-00 DETOUR NOTES AND DETAILS
- C4-10 OVERALL GRADING PLAN
- C4-20 DETAILED GRADING PLAN
- C4-21 DETAILED GRADING PLAN
- C4-22 DETAILED GRADING PLAN
- C4-23 DETAILED GRADING PLAN
- C4-24 DETAILED GRADING PLAN
- C4-30 DETAILED GRADING PLAN (ADA RAMPS)
- C5-10 RESTORATION PLAN
- C5-20 PLANTING PLAN
- C5-30 PLANTING NOTES & DETIALS

OWNER:

CITY OF GRIMES
101 NE HARVEY STREET
GRIMES, IOWA 50111
PH: 515.986.3036

PROJECT MANAGER:
ISG - NATHAN GRUVER, PLA
207 EAST 2ND STREET
DES MOINES, IA 50309

PHONE: 515.243.9143

LEGEND

- EXISTING
 - CITY LIMITS
 - SECTION LINE
 - QUARTER SECTION LINE
 - RIGHT OF WAY LINE
 - PROPERTY / LOT LINE
 - EASEMENT LINE
 - ACCESS CONTROL
 - WATER EDGE
 - WETLAND BOUNDARY
 - WETLAND / MARSH
 - FENCE LINE
 - CULVERT
 - STORM SEWER
 - SANITARY SEWER
 - SANITARY SEWER FORCEMAIN
 - WATER
 - GAS
 - OVERHEAD ELECTRIC
 - UNDERGROUND ELECTRIC
 - UNDERGROUND TELEPHONE
 - UNDERGROUND TV
 - OVERHEAD UTILITY
 - UNDERGROUND UTILITY
 - UNDERGROUND FIBER OPTIC
 - CONTOUR (MAJOR)
 - CONTOUR (MINOR)
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - TREE LINE
 - MANHOLE/STRUCTURE
 - CATCH BASIN
 - HYDRANT
 - VALVE
 - CURB STOP
 - POWER POLE
 - UTILITY PEDESTAL / CABINET

- PROPOSED
 - LOT LINE
 - RIGHT OF WAY
 - EASEMENT
 - CULVERT
 - STORM SEWER
 - STORM SEWER (PIPE WIDTH)
 - SANITARY SEWER
 - SANITARY SEWER (PIPE WIDTH)
 - WATER
 - GAS
 - OVERHEAD ELECTRIC
 - UNDERGROUND ELECTRIC
 - UNDERGROUND TV
 - CONTOUR
 - MANHOLE (STORM, SANITARY)
 - CATCH BASIN
 - HYDRANT
 - VALVE

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL, (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERICED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "IOWA ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-292-8989).

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF GRIMES, IA REQUIREMENTS AND WITH THE 2022 EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) FOR PUBLIC IMPROVEMENTS, UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), ZONE 8, ON THE IOWA RGS COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN OCTOBER / 2021 BY ISG.

B.M. ELEVATION=963.72

TOP NUT OF HYDRANT ON THE NORTH EAST CORNER OF THE LIBRARY PARKING LOT



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 G1 - TITLE SHEET
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022

CLIENT PROJECT NO. -

TITLE

SITE DATA SHEET

SHEET

C0-10

CONSTRUCTION NOTES

1. 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.
2. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS AND ALL ADDENDA, AND MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ENGINEER.
3. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
4. ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE.
5. THE 2022 EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) AND THE RECOMMENDED STANDARDS FOR WATER WORKS (10 STATE STANDARDS), 2012 EDITION, SHALL APPLY TO THE CONSTRUCTION WORK ON THE PROJECT, PLUS THE BIDDING INFORMATION, CONTRACT PROVISIONS, AND SPECIAL PROVISIONS OF ISG (I+S GROUP, INC.). A FULL IOWA SUDAS SPECIFICATIONS MANUAL CAN BE FOUND ONLINE FOR FREE AT WWW.IOWASUDAS.COM.
6. THE WORK TO BE ACCOMPLISHED FOR THE CONSTRUCTION OF THIS PROJECT WILL OCCUR ON OWNER'S PROPERTY. THE CONTRACTOR SHOULD CONFINE OPERATION, PEOPLE, AND EQUIPMENT TO THE OWNER'S PROPERTY.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIALS NOT TO BE INCORPORATED IN THE WORK INVOLVED IN THE PROJECT (UNSUITABLE EXCAVATION, WASTE PIPE, ETC.).
8. THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF ISG (I+S GROUP, INC.). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION AND AVOID DAMAGE THERETO. NO CLAIM FOR ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN. ANY NECESSARY FIXTURE ADJUSTMENTS SHALL BE INCIDENTAL.
9. PUBLIC UTILITY FIXTURES ARE EXISTING WITHIN THE CONSTRUCTION AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THESE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR ANY NECESSARY MODIFICATION OF SERVICES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
10. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL NECESSARY TRAFFIC CONTROL SIGNS, DEVICES, ETC., AND TO PLACE, MAINTAIN, AND REMOVE SAME AS CONSTRUCTION COMMENCES AND IS COMPLETED IN ACCORDANCE WITH THE CURRENT EDITION OF THE IOWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS. FAILURE TO COMPLY WITH THIS PORTION OF THE SPECIFICATIONS WILL RESULT IN SUSPENSION OF WORK UNTIL THE SITUATION IS CORRECTED. A REDUCTION IN THE LUMP SUM TO BE PAID WILL BE MADE FOR EXCESSIVE NONCOMPLIANCE WITH REQUIRED TRAFFIC CONTROL. NO WORK SHALL COMMENCE IN ANY GIVEN AREA UNTIL ALL APPROPRIATE TRAFFIC CONTROL IS IN PLACE.
11. THE CONTRACTOR SHALL NOT DISTURB GRASSED AREAS AND TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREA(S) WILL BE SUBJECT TO APPROVAL OF THE ENGINEER.
12. ALL EXISTING TREES AND BUSHES SHALL BE MAINTAINED AND PROTECTED UNLESS NOTED OTHERWISE. AREAS OF HAND FORMING MAY BE REQUIRED TO PROTECT TREES.
13. THE CONSTRUCTION OPERATIONS ARE TO TAKE PLACE IN A RESIDENTIAL AREA. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS INCLUDED IN THE SPECIFICATIONS IN REGARD TO POSITIVE DUST CONTROL DURING ALL OPERATIONS TO INCLUDE REMOVAL, CLEAN UP, ETC.
14. EXISTING STORM SEWERS, SANITARY SEWERS, AND WATER MAINS ARE LOCATED BASED ON CITY RECORDS AND ACTUAL LOCATION MAY VARY GREATLY FROM THAT SHOWN.
15. CONTRACTOR SHALL REPLACE AND REPAIR ALL EXISTING STORM SEWERS THAT ARE ENCOUNTERED DURING CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATION. CONTRACTOR SHALL USE 2000D RCP WITH FLEXIBLE O-RING GASKET JOINTS, PLACE PIPES SO JOINTS ARE NOT DIRECTLY OVER WATER MAIN, AND RECONNECT TO EXISTING STORM SEWER WITH REINFORCED FERNCO COUPLING.
16. ELEVATIONS GIVEN ON THE PLAN AND PROFILE SHEETS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
17. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR SECURING THE SERVICES OF AN INDEPENDENT TESTING LABORATORY FOR ALL MATERIAL TESTING FOR THIS PROJECT. ALL TESTING SHALL BE COMPLETED PER THE SPECIFICATIONS AND FREQUENCIES CONTAINED IN SUDAS. ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER. MATERIAL TESTING SHALL INCLUDE THE FOLLOWING:

- 17.1. CONCRETE TESTING
- 17.2. TRENCH COMPACTION TESTING
- 17.3. GENERAL COMPACTING TESTING
- 17.4. MOISTURE AND DENSITY TESTING

18. PROPOSED WATER DISTRIBUTION LINE SHALL BE INSTALLED WITH A MINIMUM OF SIX FEET (6') OF COVER. IN LOCATIONS WITH A SEPARATION DISTANCE OF LESS THAN TEN FEET (10') FROM SANITARY SEWER OR STORM SEWER, THE SANITARY SEWER OR STORM SEWER SHALL BE INSTALLED EIGHTEEN INCHES (18") BELOW THE BOTTOM OF THE WATER MAIN AND SHALL BE PLACED IN A SEPARATE TRENCH AT A MINIMUM HORIZONTAL SEPARATION OF THREE FEET PER SUDAS SPECIFICATIONS.
19. AT ALL SEWER AND WATER MAIN CROSSEOVERS, MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER. PLACE ONE FULL LENGTH OF WATER PIPE, LOCATED SO BOTH JOINTS ARE AS FAR AS POSSIBLE FROM SEWER. USE LOW PERMEABILITY SOIL FOR BACKFILL WITHIN 10' OF CROSSEOVER.
20. THRUST BLOCKS SHALL BE POURED CONCRETE, INSTALLED BEHIND ALL BENDS, TEES AND DEAD ENDS IN ACCORDANCE WITH SPECIFICATIONS.
21. CUT OFF, CAP AND ABANDON EXISTING WATER MAINS AS NEEDED TO COMPLETE NEW WORK.
22. FLUSH WATER FROM DISINFECTION PROCESS SHALL BE DISPOSED OF BY DIRECTING FLUSH WATER TO SANITARY SEWER SYSTEM. DECHLORINATE HIGHLY CHLORINATED WATER FROM TESTING BEFORE RELEASING INTO THE SANITARY SEWER SYSTEM.
23. GRANULAR BEDDING IS REQUIRED FOR ANY TYPE OF PIPE USED AND SHALL BE AS SPECIFIED.
24. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS OF ALL WATER SERVICES AND WATER CONNECTIONS.
25. A NEAT VERTICAL EDGE WILL BE REQUIRED FOR ALL JOINTS BETWEEN THE NEW PAVEMENT SURFACE AND EXISTING PAVING AS SHOWN IN THE PLANS. SAW CUTTING OR OTHER TECHNIQUES MAY BE USED TO PROVIDE THIS EDGE. COST OF THE SAW CUT IS TO BE CONSIDERED INCIDENTAL. ADDITIONAL REMOVAL AND REPLACEMENT DUE TO THE CONTRACTOR'S OPERATION WILL NOT BE MEASURED SEPARATELY BUT WILL BE THE CONTRACTOR'S RESPONSIBILITY.
26. CONTRACTOR SHALL COORDINATE DROP CURB LOCATIONS DURING PAVING WITH PROPERTY OWNERS, AND LOCATIONS SHALL BE APPROVED BY CITY AND ENGINEER. DROP CURB WILL NOT BE PLACED UNLESS SPECIFIED BY PROPERTY OWNERS. CONTRACTOR SHALL PROVIDE PAVING SCHEDULE AS TO ALLOW RESIDENTS OPPORTUNITY TO SPECIFY LOCATION.
27. ANY DEWATERING NECESSARY FOR CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO INDIVIDUAL CONSTRUCTION ITEM. PLEASE REFER TO SUBSURFACE EXPLORATION REPORT FOR ANTICIPATED SITE CONDITIONS. REPORT IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT GUARANTEE CONDITIONS TO BE EXPERIENCED.
28. THE CONTRACTOR SHALL INSPECT AND VERIFY SOIL CONDITIONS AS NECESSARY IN ORDER TO DETERMINE THE TYPE OF CONSTRUCTION TO EMPLOY. NATURAL OBSTRUCTIONS TYPICAL TO THIS AREA MAY BE ENCOUNTERED IN THE SOIL. THESE CONTRACT DOCUMENTS DO NOT WARRANT THE NATURE OR CONDITIONS OF THE SOILS, AND DO NOT WARRANT THAT NATURAL OBSTRUCTIONS WILL NOT BE ENCOUNTERED, NOR GUARANTEE THE EXTENT TO WHICH ROCKS, BOULDERS, OR OTHER OBSTRUCTIONS, REGARDLESS OF SIZE, MAY BE ENCOUNTERED DURING BORING OPERATIONS. THE CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR ANY NATURAL OBSTRUCTIONS TYPICAL TO THIS AREA ENCOUNTERED DURING CONSTRUCTION.
29. CONCRETE AND GROUT WASHOUT AREA SHALL REMAIN WITHIN CONFINES OF PROJECT AREA AND SHALL BE PROPERLY REMOVED UPON PROJECT COMPLETION.
30. PROJECT ITEMS TO BECOME PROPERTY OF CONTRACTOR FOR PROPER DISPOSAL UNLESS OTHERWISE NOTED ON PLANS OR CITY/ENGINEER NOTIFIES CONTRACTOR OTHERWISE.
31. OWNER WILL PROVIDE CONSTRUCTION STAKING FOR PROJECT THROUGH ISG (I+S GROUP, INC.) AND CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE BEFORE STAKING IS REQUIRED.
32. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF WATER CONNECTION. REPAIR AND RELOCATION OF CONFLICTING OR DAMAGED UTILITIES SHALL BE INCIDENTAL TO WATER MAIN INSTALLATION.
33. ALL SIZES OF SANITARY SEWERS SHOWN ARE BASED ON EXISTING RECORDS AND VISUAL EXAMINATIONS AT SANITARY MANHOLES. ACTUAL SIZES OF PIPES ENCOUNTERED DURING CONSTRUCTION MAY BE DIFFERENT THAN SHOWN ON PLANS. CONTRACTOR SHALL BE PREPARED TO ENCOUNTER AND LINE OR REPLACE PIPES OF DIFFERENT SIZES THAN SHOWN ON PLANS. FINAL DECISION WILL BE MADE IN THE FIELD BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
34. EXISTING SEWER LINE MAY INCLUDE SERVICE LINES THAT ARE NOT ACTIVE. CONTRACTOR SHALL DETERMINE (WITH ASSISTANCE OF OWNER) THOSE SERVICE CONNECTIONS THAT ARE ACTIVE AND SHALL RECONNECT ONLY THOSE SERVICES THAT ARE ACTIVE OR OTHERWISE DESIGNATED TO BE RECONNECTED BY OWNER. CONTRACTOR SHALL SUPPLY ADEQUATE TIME (MINIMUM OF 2 WEEKS) FROM PRE-LINING TELEVISION TO LINING OF SEWER TO ALLOW OWNER AND ENGINEER TIME TO DETERMINE ACTIVE SERVICES. THIS MAY REQUIRE ADDITIONAL ASSISTANCE FROM CONTRACTOR VIA DYE TESTING, AND WILL NOT JUSTIFY ANY ADDITIONAL COMPENSATION. LOCATIONS OF SERVICE LINES SHALL BE FIELD VERIFIED WITH PRELINING TELEVISION VIDEOS SUPPLIED TO THE ENGINEER. ACTUALLOCATIONS MAY BE DIFFERENT THAN SHOWN ON PLANS.
35. FLOW SHALL BE MAINTAINED IN THE SEWER AT ALL TIMES. CONTRACTOR MAY ACCOMPLISH THIS BY PUMPING DURING THE WORK HOURS BUT SHALL TEMPORARILY RECONNECT OLD AND NEW DURING NON-WORK HOURS TO AVOID HAVING TO OPERATE PUMPS AFTER WORK HOURS. IF CONTRACTOR PLUGS ONE OR MORE SEWER MAINS IN ORDER TO INSTALL A CIPP LINER, IT IS THE CONTRACTORSRESPONSIBILITY TO ENSURE THE SEWER MAIN OR SERVICE THAT WERE PLUGGED DO NOT HAVE DEBRIS BUILDUP AFTER PLUGGED SEWER MAIN IS PUT BACK INTO SERVICE.
36. ALL SALVAGEABLE ITEMS SUCH AS CASTINGS AND COVERS SHALL REMAIN PROPERTY OF THE CITY.

37. SEEDING AND FERTILIZING IS INCLUDED IN THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING AND PREPARING AREAS DISTURBED BY CONTRACTOR'S OPERATIONS FOR SEEDING. ALL DEBRIS GREATER THAN GOLF BALL SIZE SHALL BE REMOVED AND AREA SHALL BE RAKED SMOOTH. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE OWNER'S PROPERTY DURING OPERATIONS AND SHALL MAKE A REASONABLE EFFORT TO NOT DISTURB AREAS GREATER THAN NECESSARY DURING CONSTRUCTION. AREAS OF NONGERMINATION WILL BE RESEEDED AND REFERTILIZED BY THE CONTRACTOR. COST IS TO BE CONSIDERED INCIDENTAL.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 G1 - TITLE SHEET
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

CONSTRUCTION
NOTES

SHEET

C0-20

PLOT DATE: 3/31/2022 3:55 PM

UTILITIES

CENTURY LINK
ROBIN DE PENNING
515-233-5149
ROBIN.DEPENNING@CENTURYLINK.COM

BLACK HILLS ENERGY
JOE MCAREAVY
515-343-2030

MIDAMERICAN ENERGY
SCOT ENGER
515-252-6742
SCOT.ENG@MIDAMERICAN.COM

WATER & SEWER
US WATER
515-227-8188

AUREON
MATT WEISER
515-227-8188

VERIZON
JIM POWERS
515-380-2208

WINDSTREAM
JOE BARRETT
515-321-4903
JOSEPH.M.BARRETT@WINDSTREAM.COM

XENIA WATER
KEVIN LYONS
515-676-2117

CITY OF GRIMES STANDARD NOTES

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.

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).

C.

ALL PERMITS (IDNR, SWP, IDOT, ARMY CORP., ETC.) SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.

D.

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.

E.

TYPICAL BUILDING SERVICE LAYOUT TO REFLECT THE CITY'S SERVICE ORDER FROM LEFT TO RIGHT FACING THE LOT, SANITARY, WATER, SUMP

F.

A KNOX BOX IS REQUIRED BY THE FIRE DEPARTMENT AND SHALL BE OBTAINED AT KNOXBOX.COM.

G.

ALL SITE LIGHTING SHALL NOT SPILL ONTO ADJACENT PROPERTIES OR RIGHT-OF-WAYS.

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 SANITARY SEWER MANHOLE CASTINGS LOCATED WITHIN PAVEMENT SHALL BE TYPE B:PCC W/ADJUSTING MECHANISM.

G.

SANITARY SEWER TESTING, 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 RESIDENTIAL, 2" COMMERCIAL MINIMUM TYPE K COPPER.

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 SUBMITTAL OF TEST TO LAB SHALL BE DONE 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 CONTRACTOR.

B.

ALL SIGN POSTS SHALL BE TELES PAR 2"x2" SQUARE TUBE GALVANIZED STEEL (14-GAUGE MIN.) WITH 7/16" KNOCK-OUT STYLE PERFORATIONS THAT ARE PRE-PUNCHED.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
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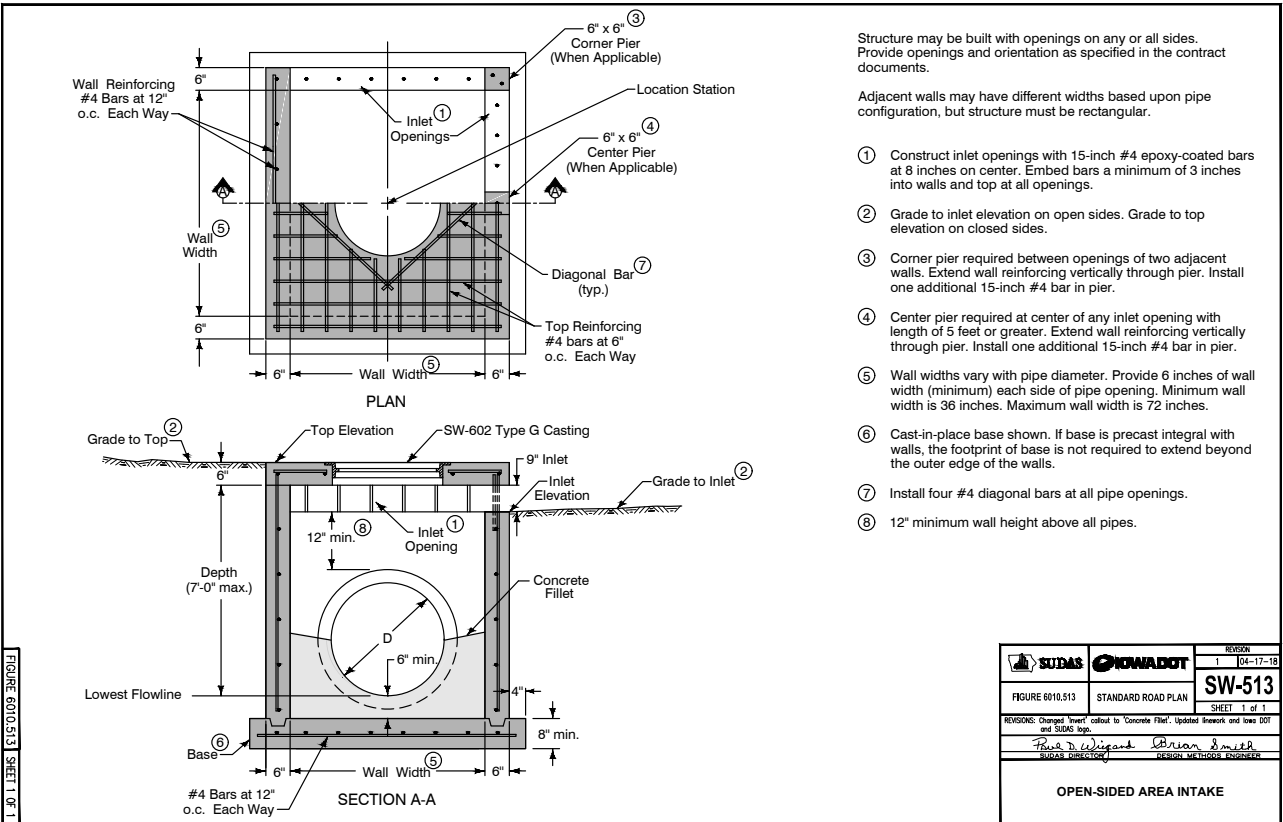
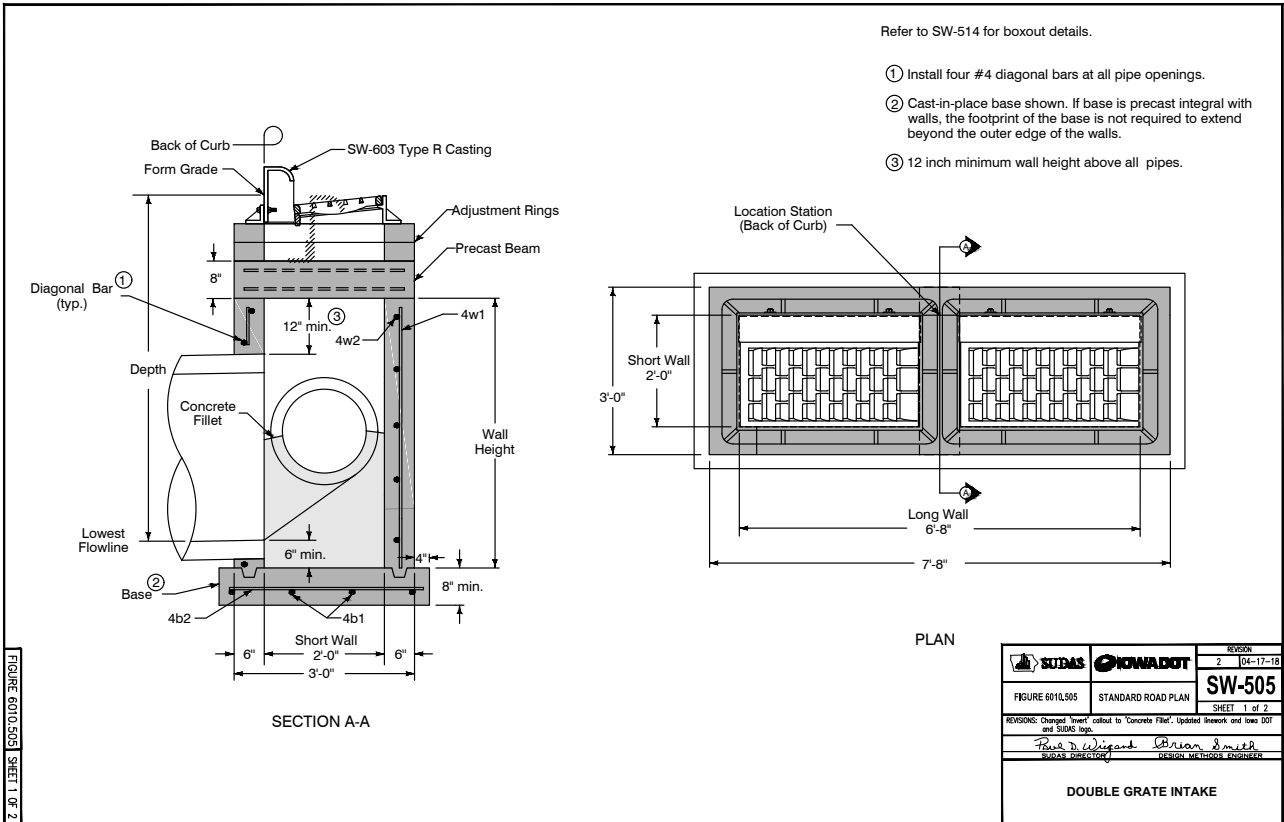
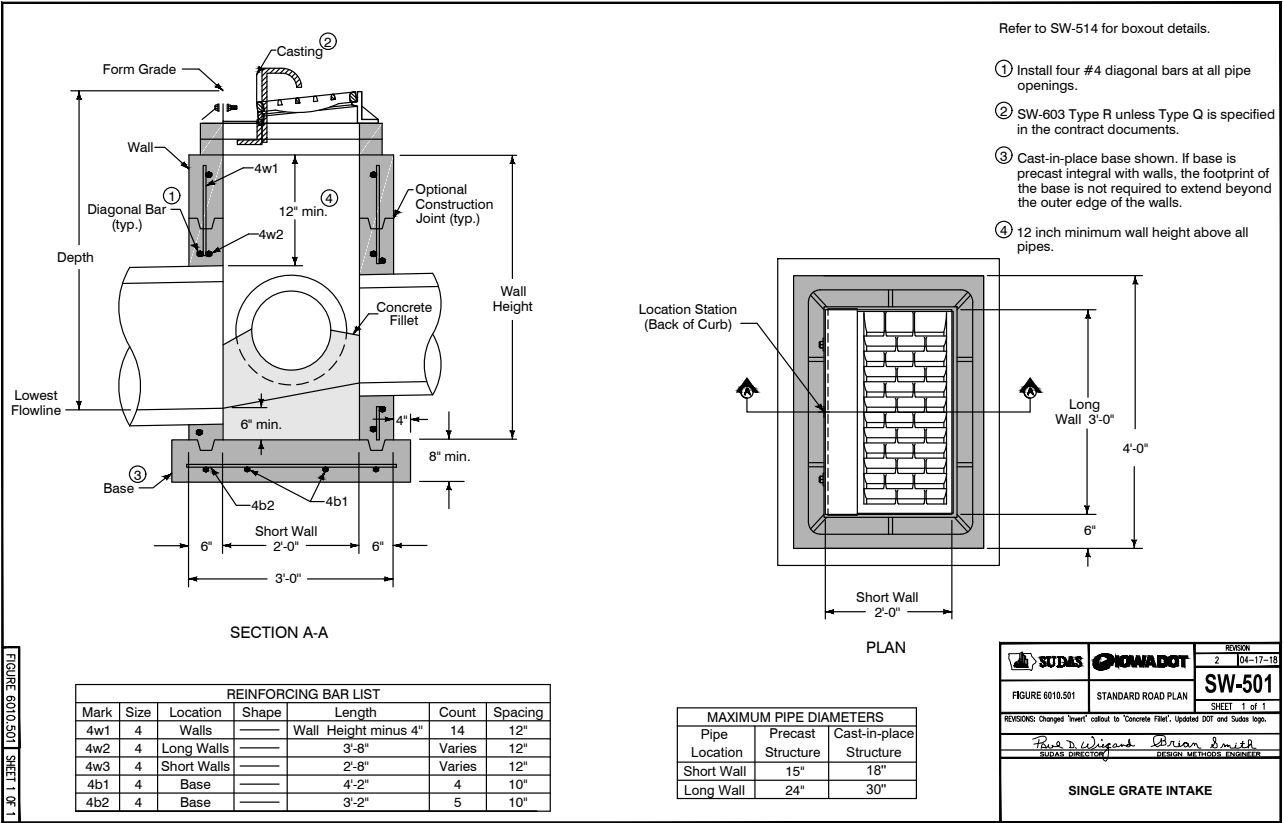
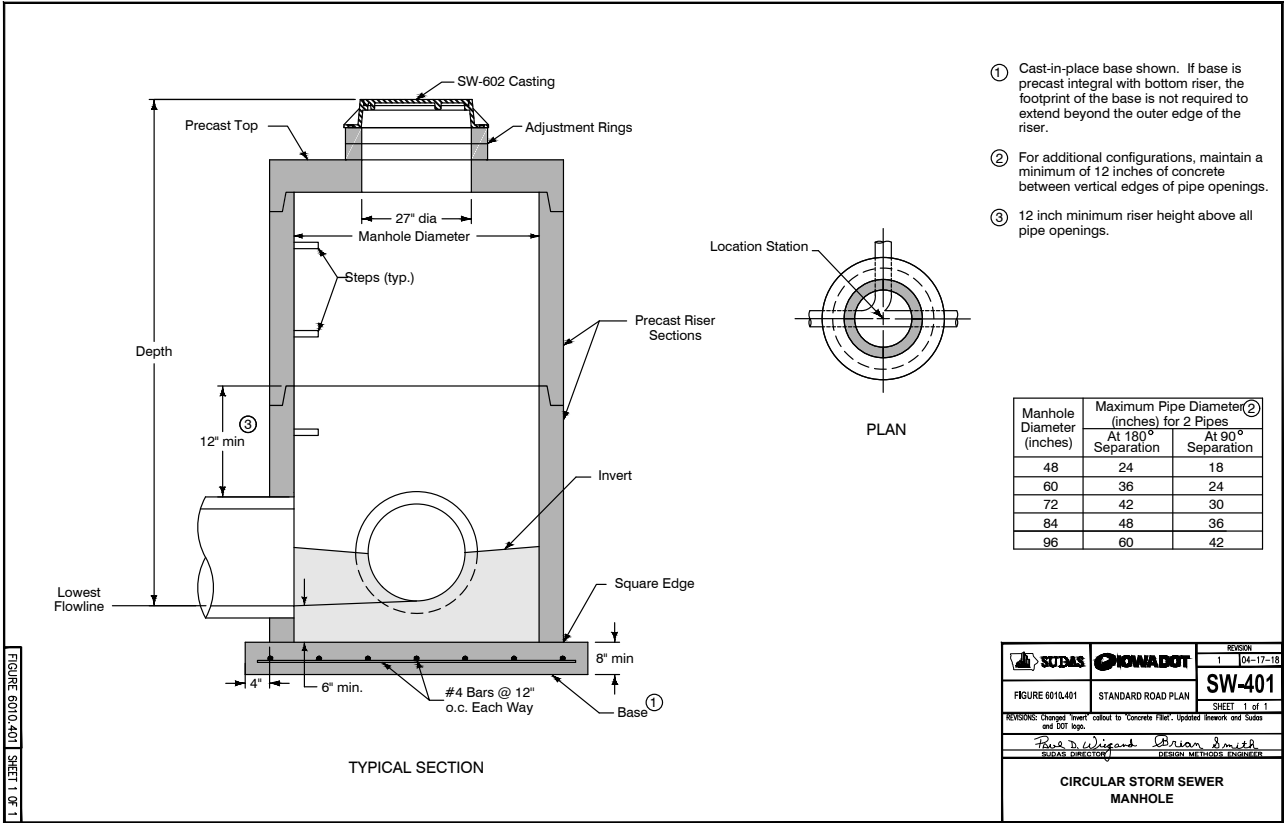
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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

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SITE DETAILS - UTILITIES

SHEET

C0-30



CITY OF
GRIMES

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CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

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SITE DETAILS - UTILITIES

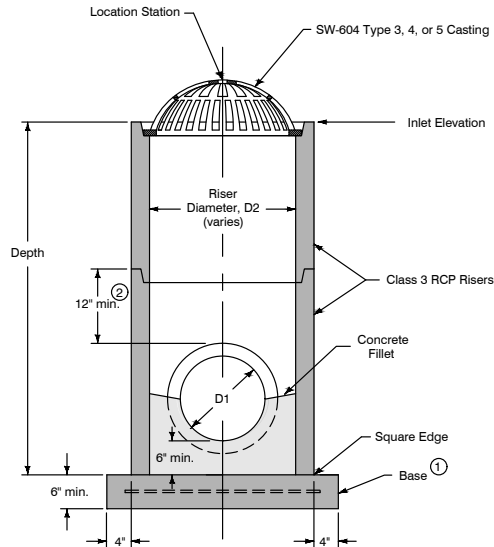
SHEET

C0-31

① Precast (shown) or cast-in-place base:

- Precast: 6 inch thick concrete with #6 welded wire mesh on 4 inch centers (WWF 4" x 4"). Center mesh vertically within base.
- Cast-in-place: 8 inch thick non-reinforced concrete.

② 12 inch minimum riser height above all pipes.



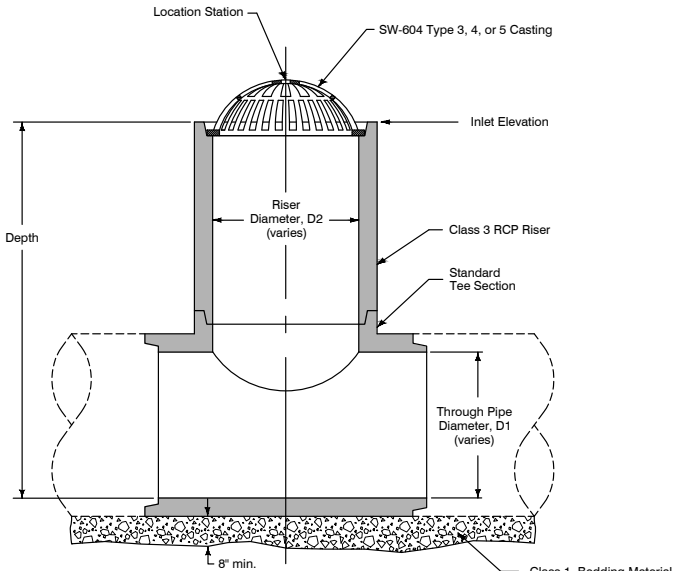
TYPICAL SECTION

CASE 1

INTAKE SIZE - CASE 1	
Outlet Pipe Diameter, D1	Minimum Riser Diameter, D2
12"	18"
15"	24"
18"	24"
21"	30"
24"	30"
27"	36"

		REVISION 3 04-17-18
FIGURE 6010.512	STANDARD ROAD PLAN	SW-512
REVISIONS: Changed 'Inlet' outlet to 'Concrete Fillet'.		
<i>Paul D. Wiegand</i> <i>Brian Smith</i> SUDAS DIRECTOR DESIGN METHODS ENGINEER		
CIRCULAR AREA INTAKE		

③ Minimum riser diameter is 18 inches.

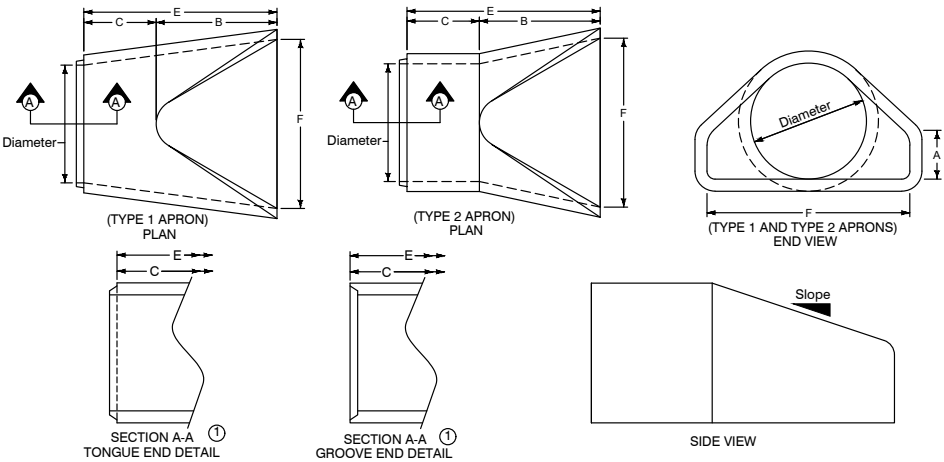


TYPICAL SECTION

CASE 2

INTAKE SIZE - CASE 2	
Through Pipe Diameter, D1	Maximum Riser Diameter, D2 ③
18"	18"
21"	18"
24"	24"
27"	24"
30"	30"
36" or more	36"

		REVISION 3 04-17-18
FIGURE 6010.512	STANDARD ROAD PLAN	SW-512
REVISIONS: Changed 'Inlet' outlet to 'Concrete Fillet'.		
<i>Paul D. Wiegand</i> <i>Brian Smith</i> SUDAS DIRECTOR DESIGN METHODS ENGINEER		
CIRCULAR AREA INTAKE		



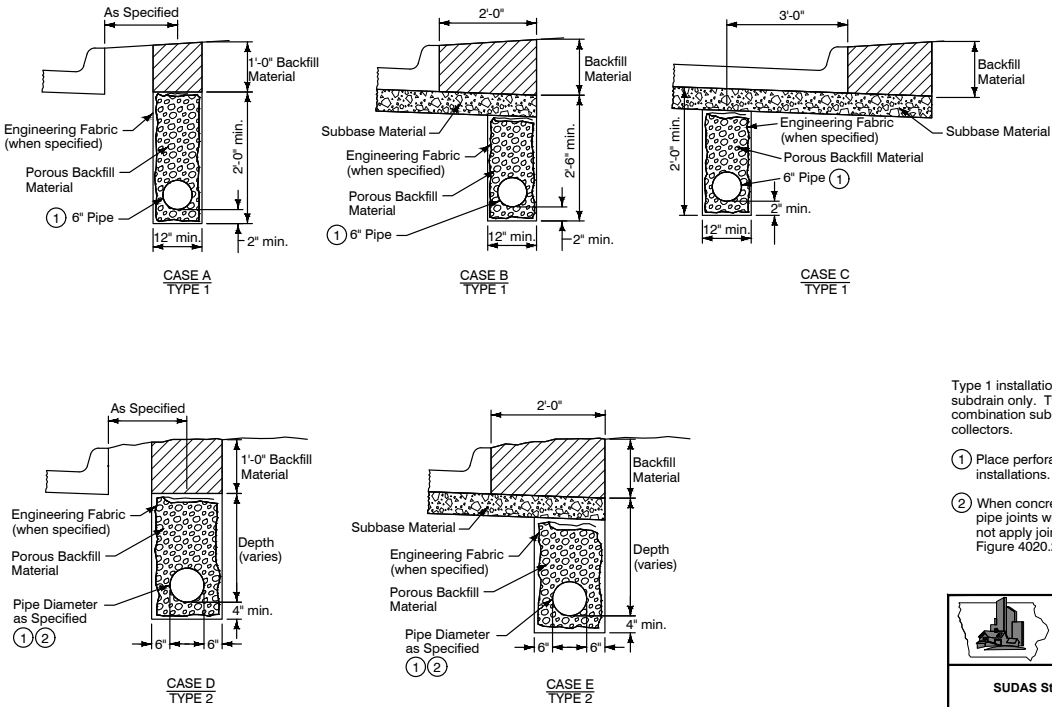
Dimension 'E' shown is the minimum and is considered the design length. Adjust for any difference between the actual length of concrete apron installed and the length indicated below for the length of concrete culvert pipe furnished.

① Tongue end used on inlet end section. Groove end used on outlet end section.

TYPE 1 APRONS						
DIAM.	SLOPE	A	B	MINIMUM C	E	F
12"	2.4:1	4"	2'-0"	4'-6"	6'-6"	2'-0"
15"	2.4:1	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	2.3:1	9"	2'-3"	3'-10"	6'-1"	3'-0"
21"	2.4:1	9"	3'-0"	3'-11"	6'-1"	3'-5"
24"	2.5:1	9"	3'-7"	2'-6"	6'-1"	4'-0"
27"	2.5:1	10"	4'-11"	2'-0"	6'-1"	4'-4"
30"	2.5:1	12"	4'-6"	1'-7"	6'-1"	5'-0"
36"	2.5:1	15"	5'-3"	2'-9"	8'-0"	6'-0"
42"	2.5:1	21"	5'-3"	2'-9"	8'-0"	6'-6"
48"	2.5:1	24"	6'-0"	2'-0"	8'-0"	7'-0"
54"	1.8:1	27"	5'-0"	3'-0"	8'-0"	7'-6"
60"	1.6:1	29"	5'-0"	3'-0"	8'-0"	8'-0"
66"	1.7:1	30"	6'-0"	2'-3"	6'-3"	8'-0"
72"	1.6:1	30"	6'-6"	1'-9"	6'-3"	9'-0"
78"	1.8:1	36"	7'-6"	1'-9"	9'-3"	9'-6"
84"	1.3:1	29"	6'-9"	2'-6"	9'-3"	10'-0"

TYPE 2 APRONS						
DIAM.	SLOPE	A	B	MINIMUM C	E	F
12"	2.4:1	4"	2'-0"	4'-6"	6'-6"	2'-0"
15"	2.4:1	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	2.3:1	9"	2'-3"	3'-10"	6'-1"	3'-0"
21"	2.4:1	9"	3'-0"	3'-11"	6'-1"	3'-5"
24"	2.5:1	9"	3'-7"	2'-6"	6'-1"	4'-0"
27"	2.5:1	10"	4'-11"	2'-0"	6'-1"	4'-4"
30"	2.5:1	12"	4'-6"	1'-7"	6'-1"	5'-0"
36"	2.5:1	15"	5'-3"	2'-9"	8'-0"	6'-0"
42"	2.5:1	21"	5'-3"	2'-9"	8'-0"	6'-6"
48"	2.5:1	24"	6'-0"	2'-0"	8'-0"	7'-0"
54"	1.8:1	27"	5'-0"	3'-0"	8'-0"	7'-6"
60"	1.4:1	24"	5'-0"	3'-0"	8'-0"	8'-0"
66"	1.7:1	30"	6'-0"	2'-3"	6'-3"	8'-0"
72"	1.4:1	24"	6'-6"	1'-9"	6'-3"	9'-0"
78"	1.8:1	36"	7'-6"	1'-9"	9'-3"	9'-6"
84"	1.5:1	29"	7'-6"	1'-9"	9'-3"	10'-0"

	REVISION New 10-18-18
FIGURE 4030.222	4030.222
SUDAS Standard Specifications	
CIRCULAR CONCRETE APRONS	



Type 1 installation is for longitudinal subdrain only. Type 2 installation is for combination subdrain/footing drain collectors.

- ① Place perforations down for all installations.
- ② When concrete pipe is specified, wrap pipe joints with engineering fabric. Do not apply joint sealant. Comply with Figure 4020.211

	REVISION 1 10-21-14
FIGURE 4040.231	4040.231
SUDAS Standard Specifications	
SUBDRAINS	



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PROJECT

**CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

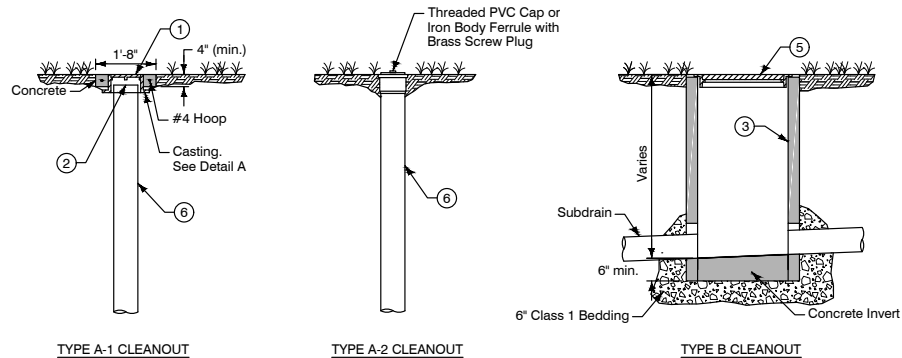
PROJECT NO.	21-25768
FILE NAME	25768 C0 - SITE DETAILS 1
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

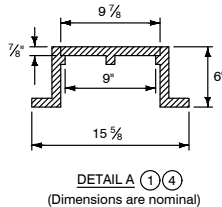
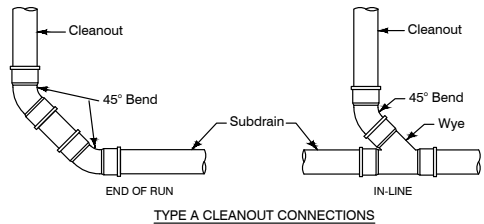
**SITE DETAILS -
UTILITIES**

SHEET

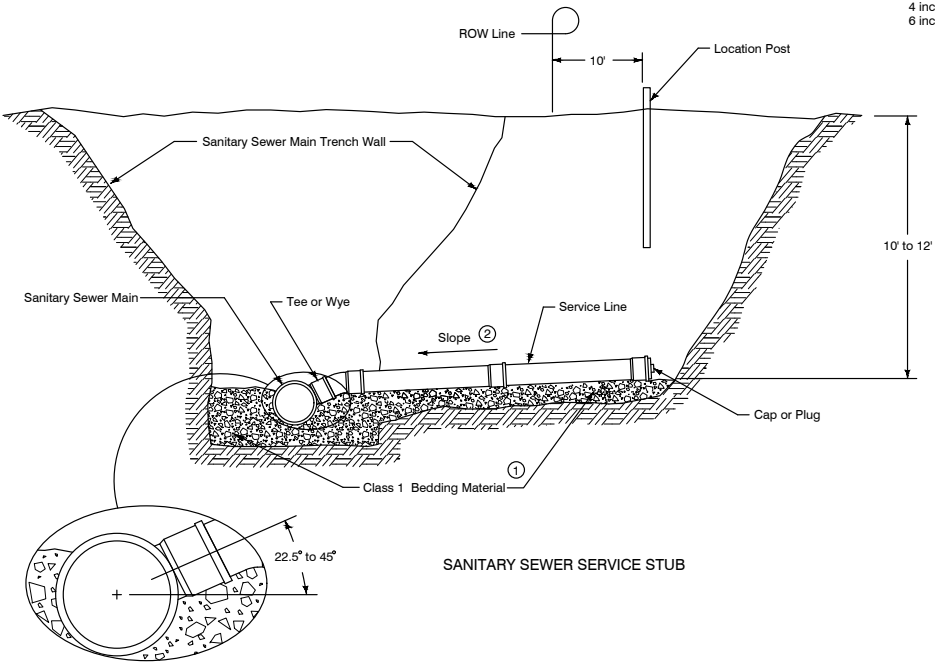
C0-32



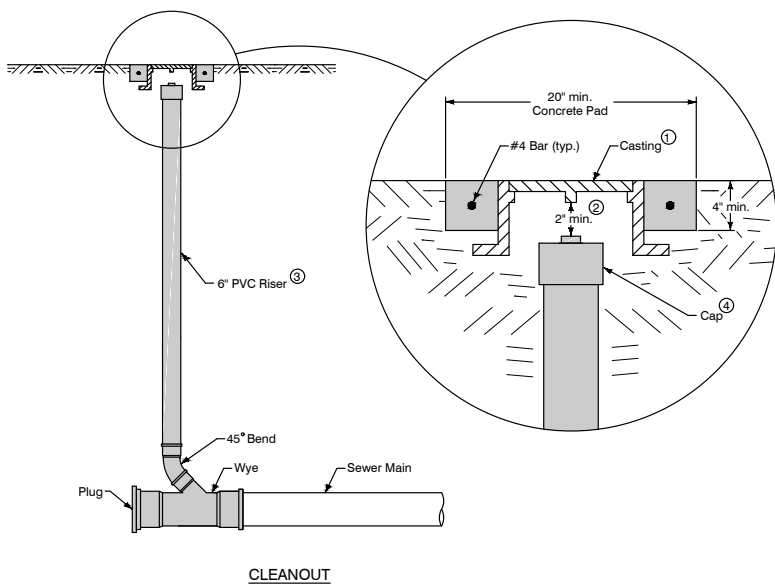
- Use in non-traffic areas.
- 1 Light duty casting. Label lid with "Storm" or "Storm C.O."
 - 2 Do not allow casting to bear on top of riser pipe; provide 2 inch clearance, minimum.
 - 3 A manufactured cleanout may be used in lieu of a Type B cleanout, if approved by the Engineer.
 - 4 Design is intended for use in conjunction with 8 inch PVC riser pipe. Other sized caps may be used with smaller pipe, as approved by the Engineer.
 - 5 Provide Type G casting, as required to fit pipe size.
 - 6 PVC riser pipe; match diameter of subdrain (8 inches maximum).



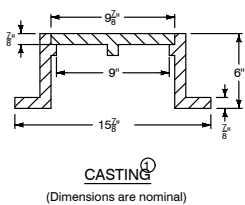
	REVISION 2 10-18-16 SHEET 1 of 1
SUDAS Standard Specifications	
SUBDRAIN CLEANOUTS	



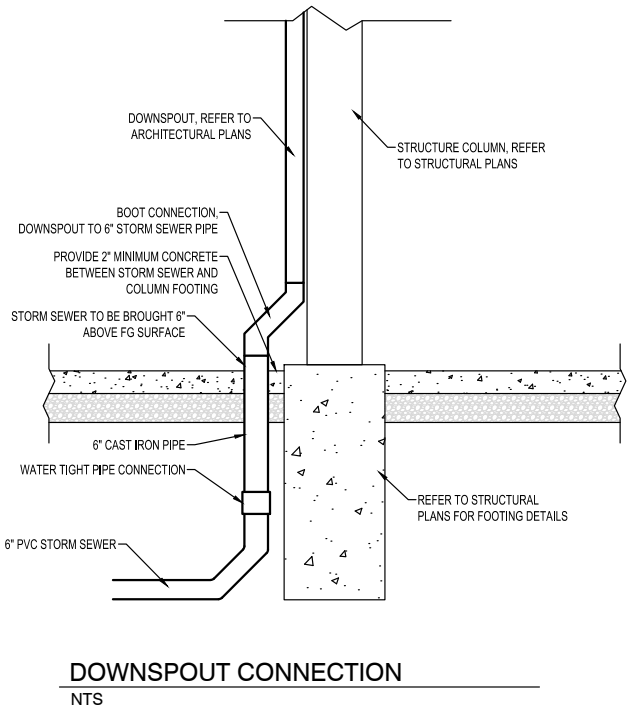
		REVISION 1 04-17-08 SHEET 1 of 2
FIGURE 4010.201	STANDARD ROAD PLAN	SW-201
REVISIONS: Replaced Iowa DOT and SUDAS logos.		
SUDAS DIRECTOR DESIGN METHOD ENGINEER		
SANITARY SEWER SERVICE STUB		

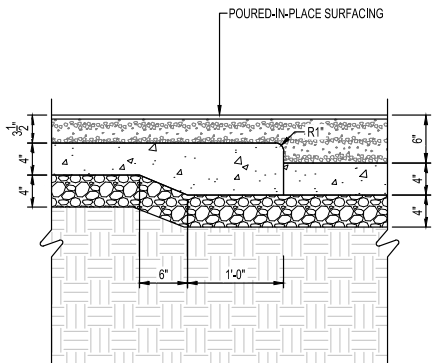


- 1 Standard duty casting complying with AASHTO M 306. Mark lid with "Sanitary" or "Sanitary C.O."
- 2 Do not allow casting to bear on top of riser pipe.
- 3 6 inch PVC Service Pipe
- 4 Threaded PVC cap or iron body ferrule with brass screw plug

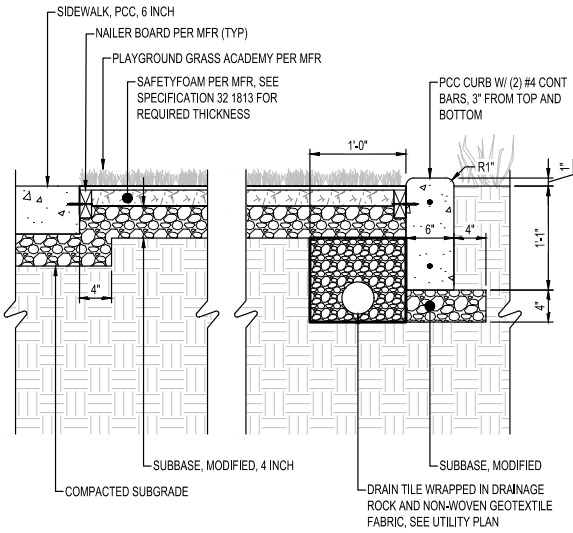


		REVISION 1 04-17-18 SHEET 1 of 1
FIGURE 4010.203	STANDARD ROAD PLAN	SW-203
REVISIONS: Replaced Iowa DOT and SUDAS logos.		
SUDAS DIRECTOR DESIGN METHOD ENGINEER		
SANITARY SEWER CLEANOUT		

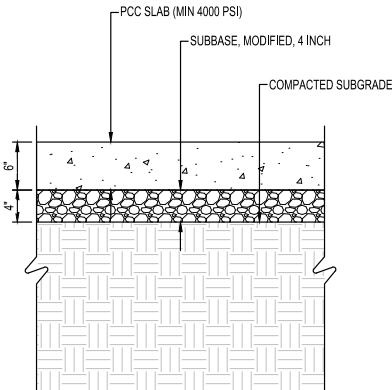




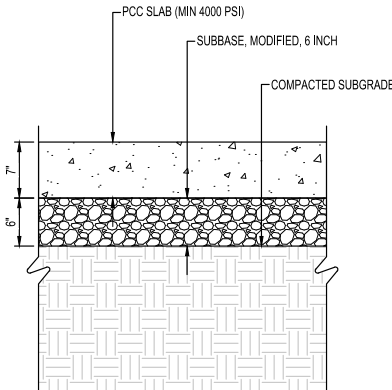
POURED-IN-PLACE TRANSITION
NTS



PLAY TURF SURFACING
NTS



SIDEWALK, PCC, 6 INCH
NTS



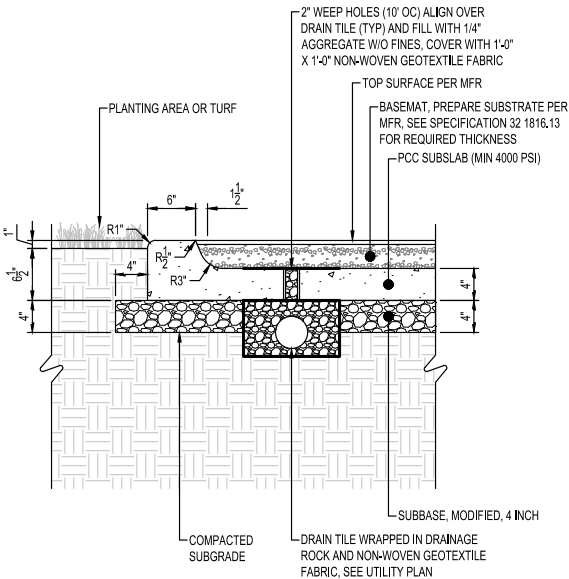
PAVEMENT, PCC, 7 INCH
NTS



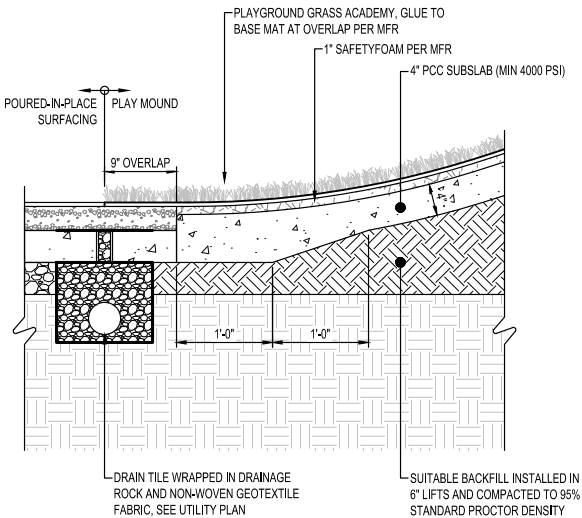
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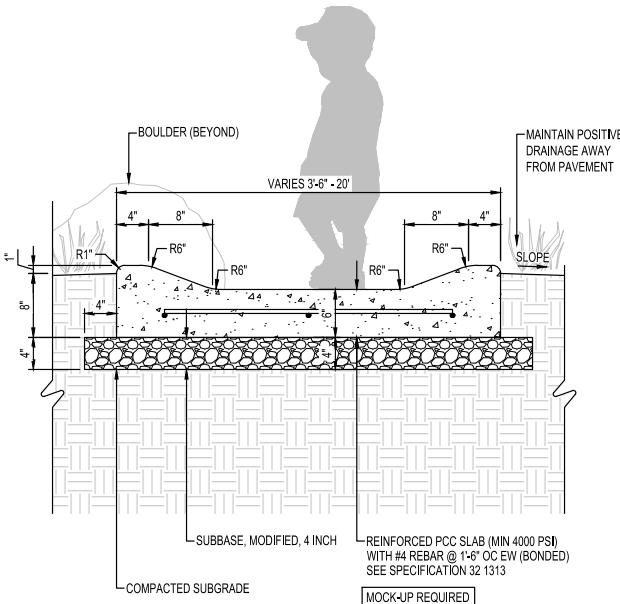
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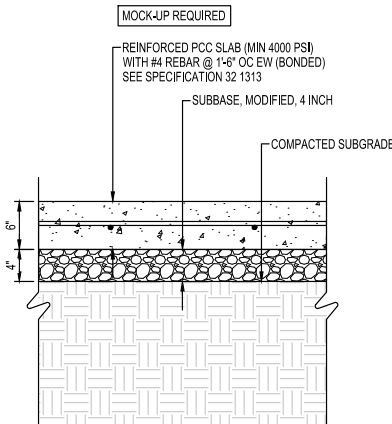
POURED-IN-PLACE SURFACING
NTS



PLAY TURF AT MOUND
NTS



DRY CREEK BED PAVEMENT
NTS



SPLASH PAD PAVEMENT
NTS

PROJECT

**CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C0 - SITE DETAILS 2
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

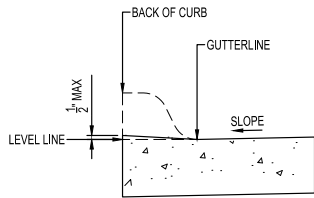
TITLE

**SITE DETAILS -
PAVEMENT**

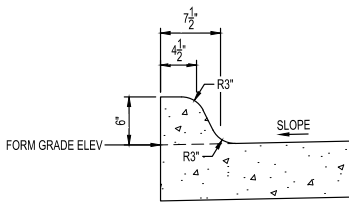
SHEET

C0-40

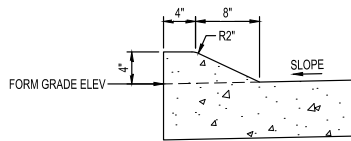
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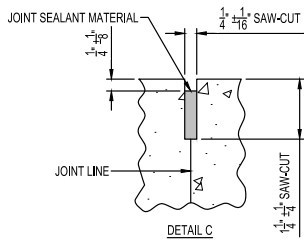
DROP CURB AT SIDEWALK
NTS



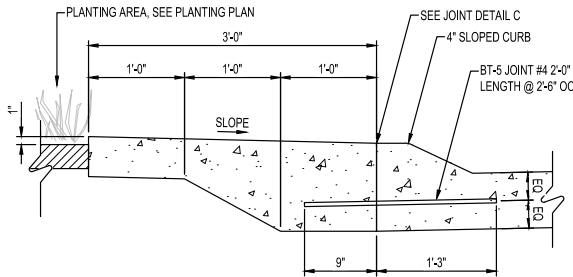
6" STANDARD CURB
NTS



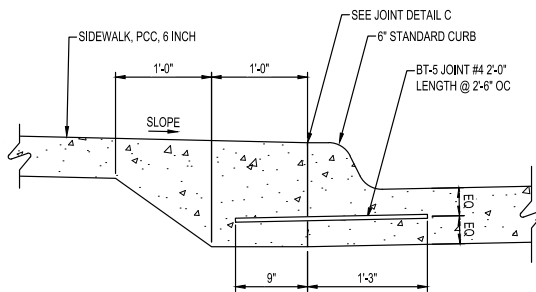
4" SLOPED CURB
NTS



JOINT DETAIL
NTS



3' PAVEMENT BAND
NTS



CLASS A SIDEWALK
NTS



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REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
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DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SITE DETAILS -
CURB

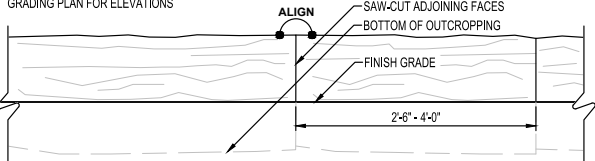
SHEET

C0-41

PLOT DATE: 3/31/2022 4:00 PM

SHOP DRAWING REQUIRED

STONE TYPE: LIMESTONE OUTCROPPING
SIZE: ±1'-2" HEIGHT X 2'-6" (±6") DEPTH X 2'-6" - 4'-0" LENGTH
FINISH: TOP AND BOTTOM NATURAL BED, SPLIT FACE EXPOSED EDGES,
SAW-CUT ADJOINING FACES, NO SHARP EDGES
INSTALLATION: HOLD TOP SURFACE OF STONE PIECES LEVEL, SEE
GRADING PLAN FOR ELEVATIONS

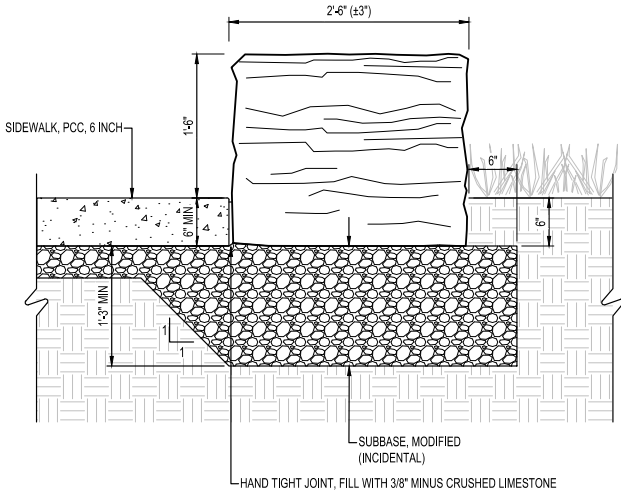


OUTCROPPING BORDER

SCALE: 1"=1'-0"

SHOP DRAWING REQUIRED

STONE TYPE: LIMESTONE
SIZE: 2'-0" HEIGHT X 2'-6" DEPTH X 5'-0" LENGTH
FINISH: TOP AND BOTTOM NATURAL BED, SPLIT FACE EDGES
INSTALLATION: SEE GRADING PLAN FOR ELEVATIONS



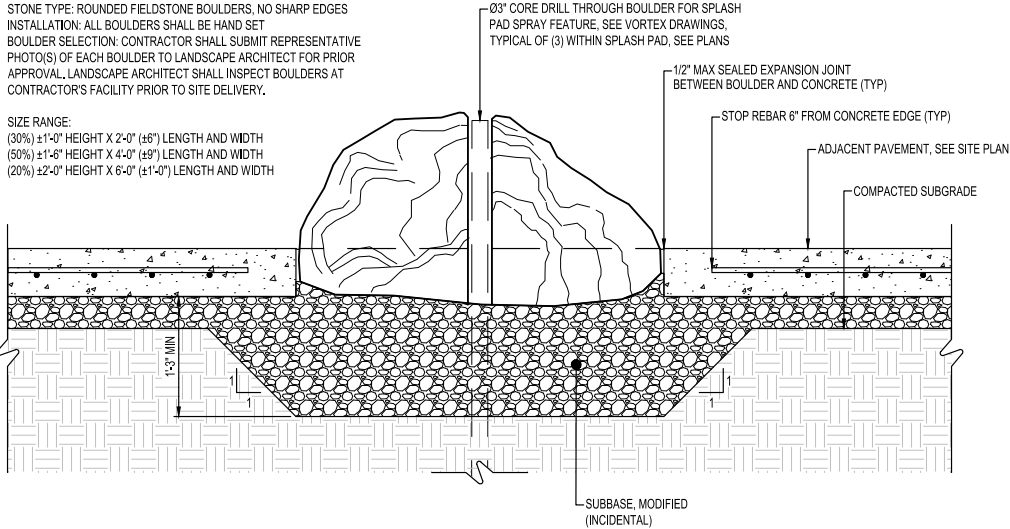
LIMESTONE BLOCK

SCALE: 1"=1'-0"

SHOP DRAWING REQUIRED

STONE TYPE: ROUNDED FIELDSTONE BOULDERS, NO SHARP EDGES
INSTALLATION: ALL BOULDERS SHALL BE HAND SET
BOULDER SELECTION: CONTRACTOR SHALL SUBMIT REPRESENTATIVE
PHOTO(S) OF EACH BOULDER TO LANDSCAPE ARCHITECT FOR PRIOR
APPROVAL. LANDSCAPE ARCHITECT SHALL INSPECT BOULDERS AT
CONTRACTOR'S FACILITY PRIOR TO SITE DELIVERY.

SIZE RANGE:
(30%) ±1'-0" HEIGHT X 2'-0" (±6") LENGTH AND WIDTH
(50%) ±1'-6" HEIGHT X 4'-0" (±9") LENGTH AND WIDTH
(20%) ±2'-0" HEIGHT X 6'-0" (±1'-0") LENGTH AND WIDTH



BOULDER AT SPLASH PAD

SCALE: 1"=1'-0"



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REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C0 - SITE DETAILS 3
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DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SITE DETAILS -
NATURAL STONE

SHEET

C0-50



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GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

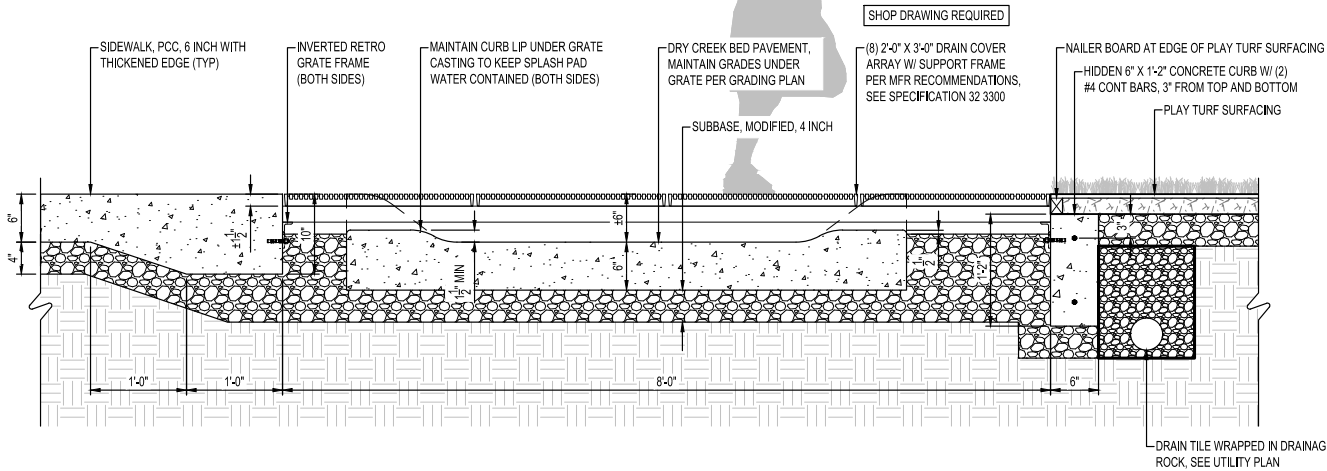
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FILE NAME 25768 C0 - SITE DETAILS 3
DRAWN BY MJE/PCN
DESIGNED BY JDH/NSG/PCN
REVIEWED BY JDH/NSG
ORIGINAL ISSUE DATE 03/18/2022
CLIENT PROJECT NO. -

TITLE

**SITE DETAILS -
PEDESTRIAN
BRIDGES**

SHEET

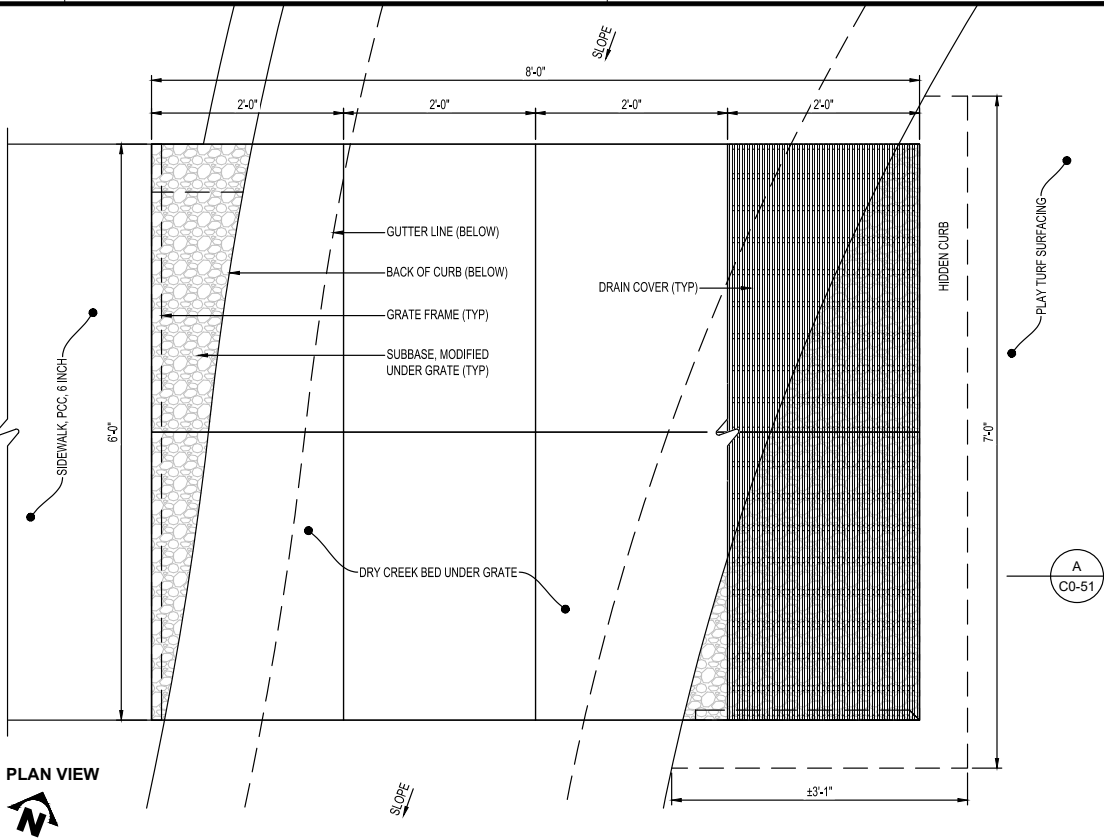
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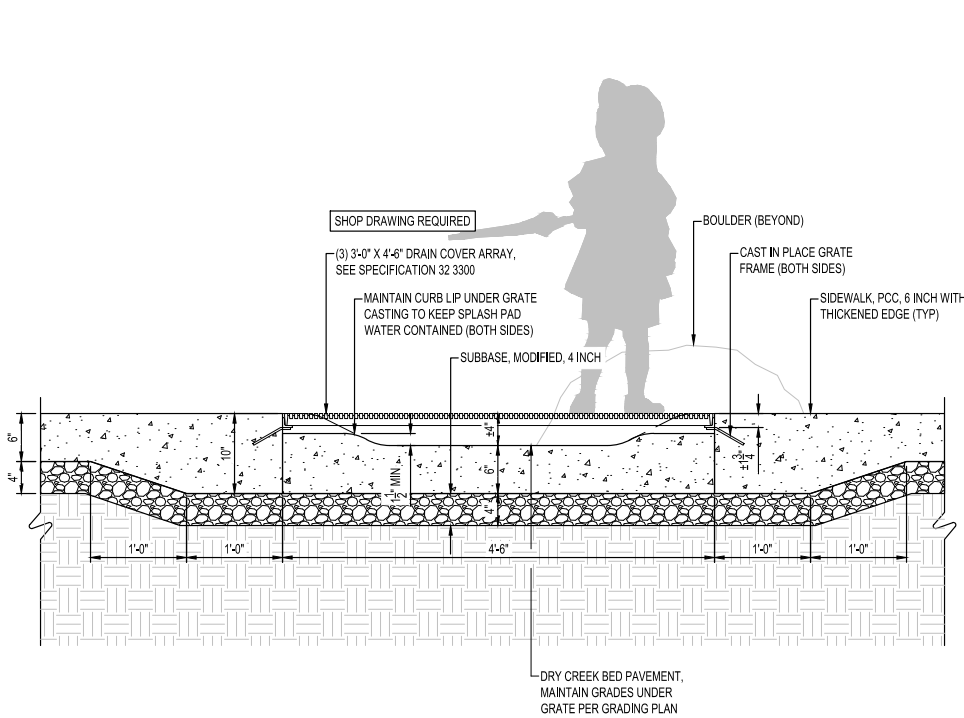
SECTION A

PEDESTRIAN BRIDGE AT NATURE PLAYScape

SCALE: 1"=1'-0"



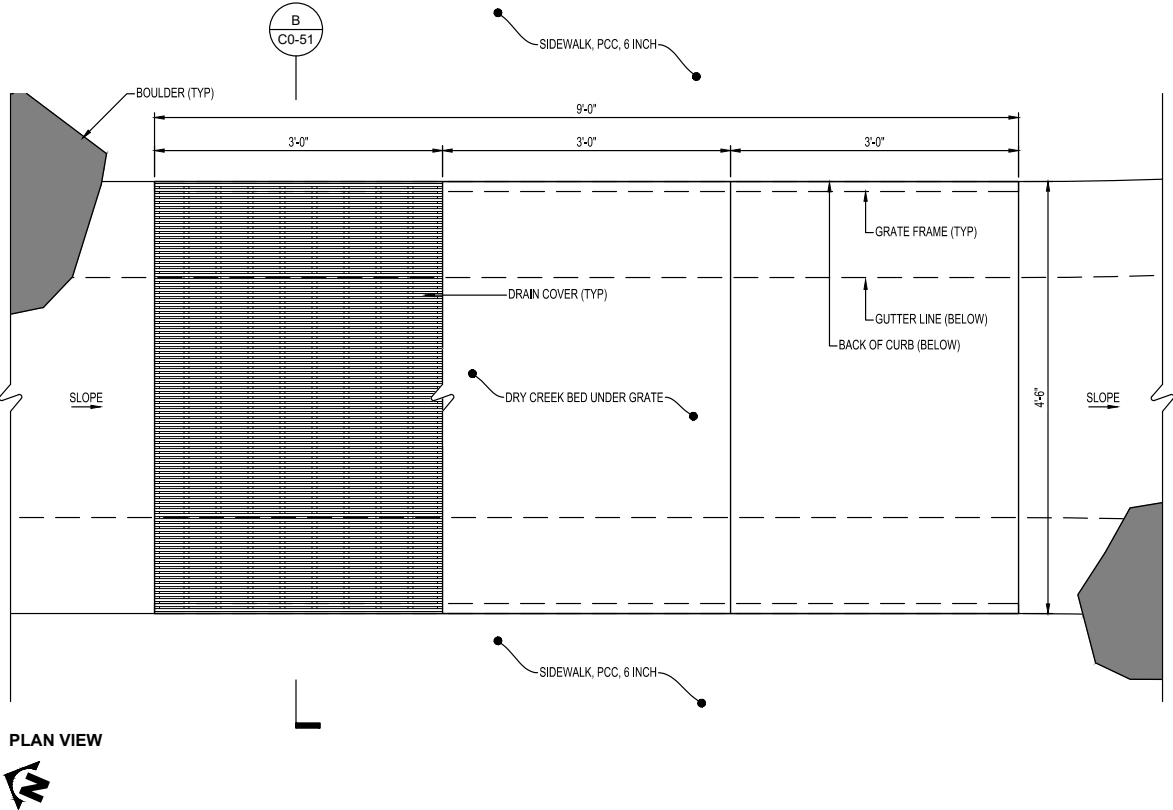
PLAN VIEW



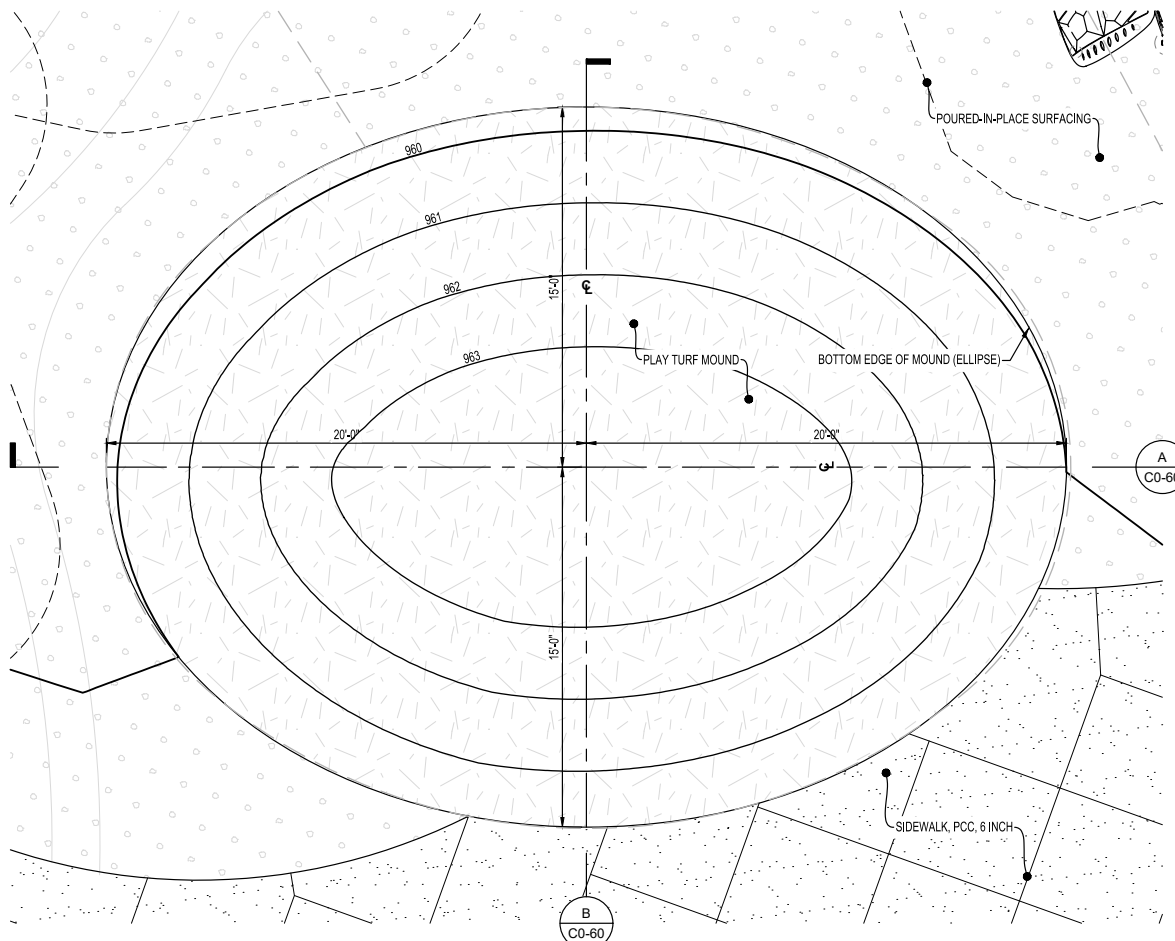
SECTION B

PEDESTRIAN BRIDGE AT PLAZA

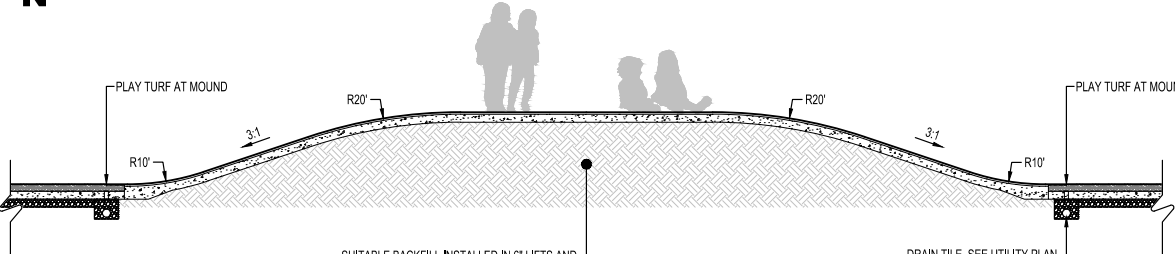
SCALE: 1"=1'-0"



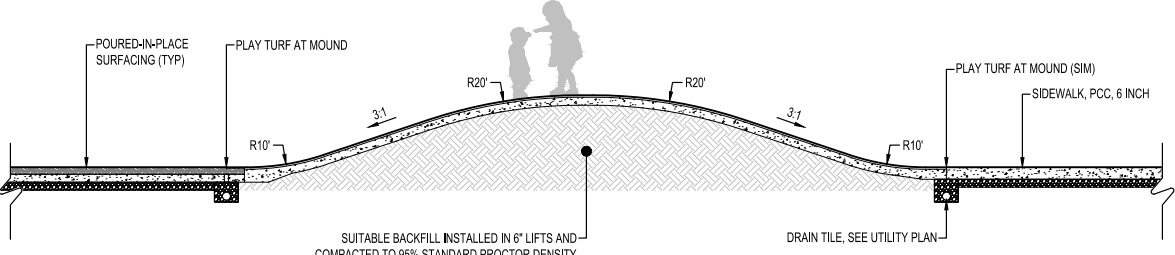
PLAN VIEW



PLAN VIEW
N

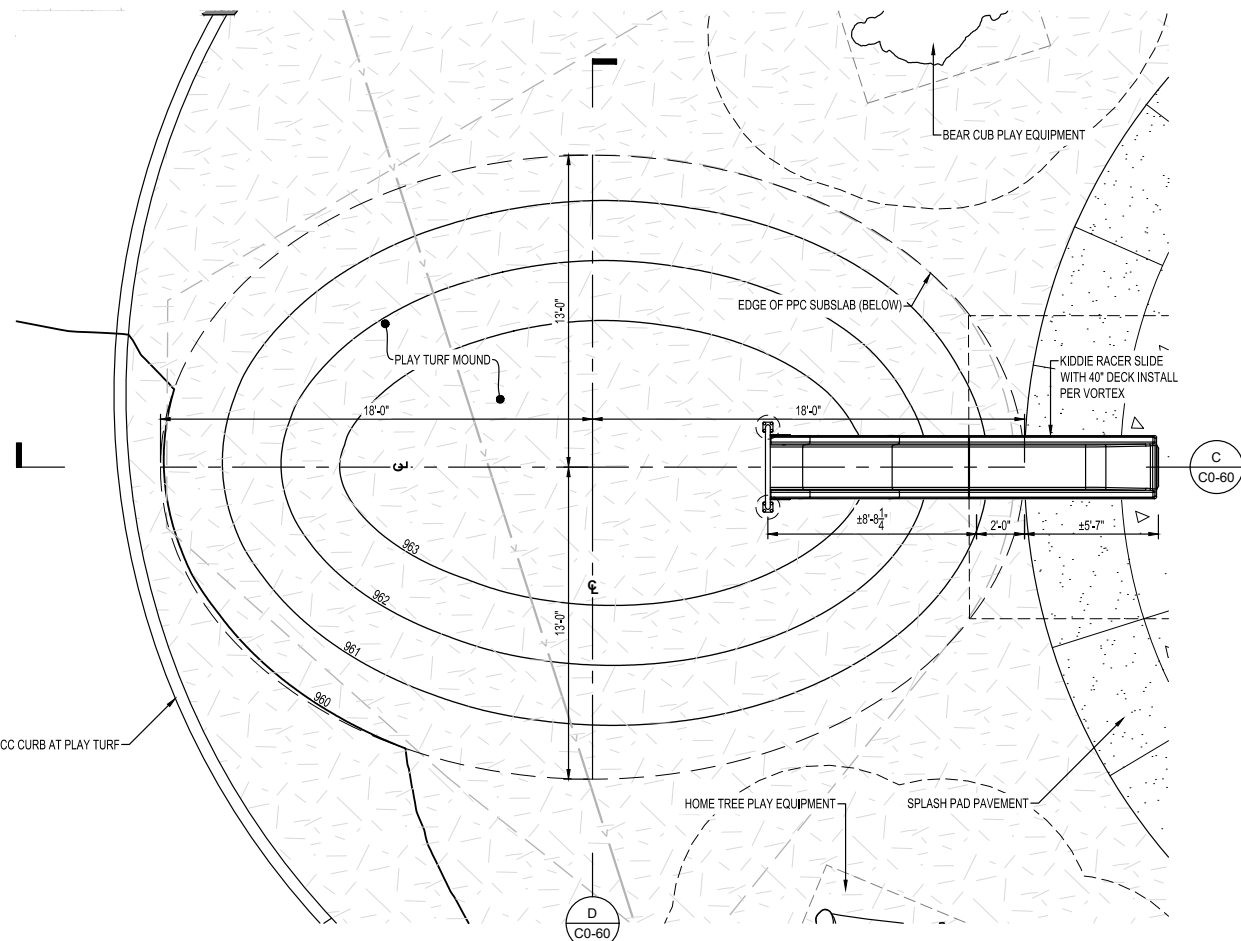


SECTION A

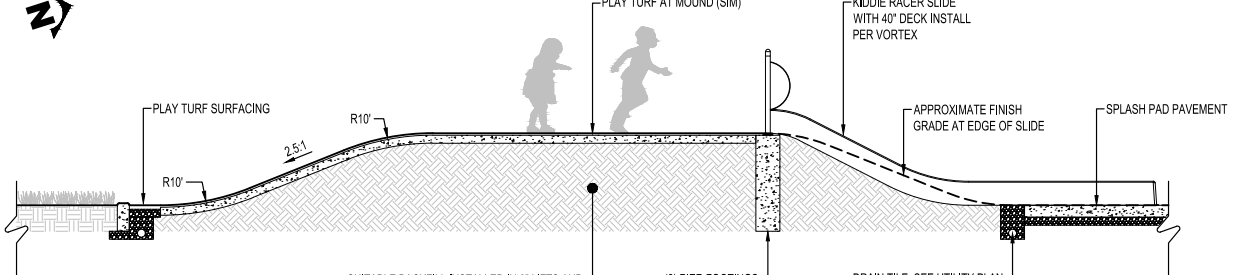


SECTION B

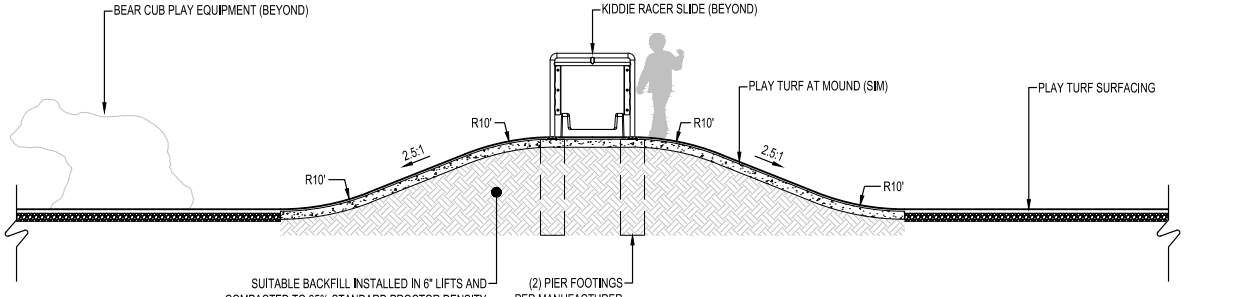
NORTH PLAYGROUND MOUND
SCALE: 1/4"=1'-0"



PLAN VIEW
N



SECTION C



SECTION D

NATURE PLAYScape MOUND
SCALE: 1/4"=1'-0"



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**CITY OF GRIMES
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GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

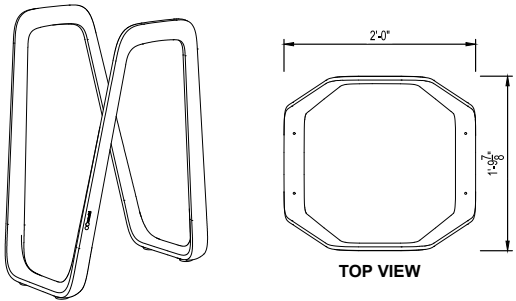
PROJECT NO.	21-25768
FILE NAME	25768 CO - SITE DETAILS 4
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

**SITE DETAILS -
PLAY MOUNDS**

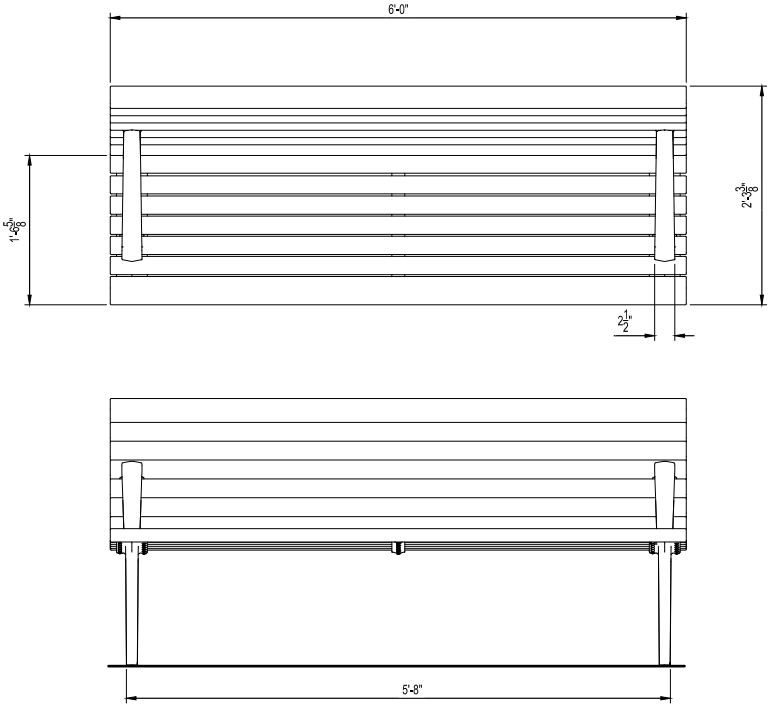
SHEET

C0-60



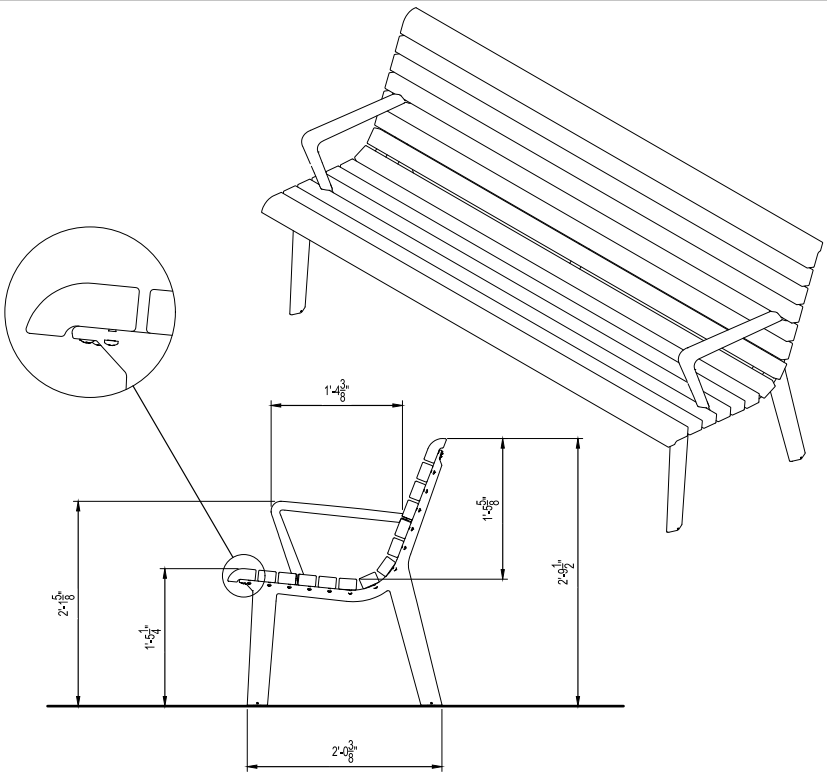
BASIS OF DESIGN:
MANUFACTURER: MMCITÉ USA LLC
MODEL: ELK110 - ELK
FRAME COLOR: GRAPHITE GREY
MOUNTING: SURFACE MOUNTED
SEE SPECIFICATION 32.3300

BIKE RACK
SCALE: 1"=1'-0"



BASIS OF DESIGN:
MANUFACTURER: LANDSCAPE FORMS
MODEL: BV211-04 GENERATION 50 BENCH, BACKED, 72" LENGTH, CURVED CUT FACE BOARD, TRADITIONAL SUPPORT, ANGLED END ARM
FRAME COLOR: ARCHITECTURAL SERIES DUSK
SEAT SLATS: JARRAH
MOUNTING: SURFACE MOUNTED
SEE SPECIFICATION 32.3300

BENCH
SCALE: 1"=1'-0"



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**CITY OF GRIMES
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IMPROVEMENTS**

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C0 - SITE DETAILS 5
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

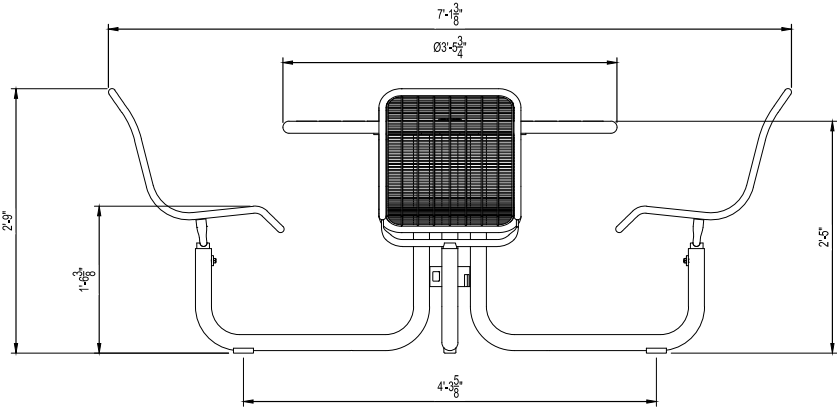
TITLE

**SITE DETAILS -
FURNISHINGS**

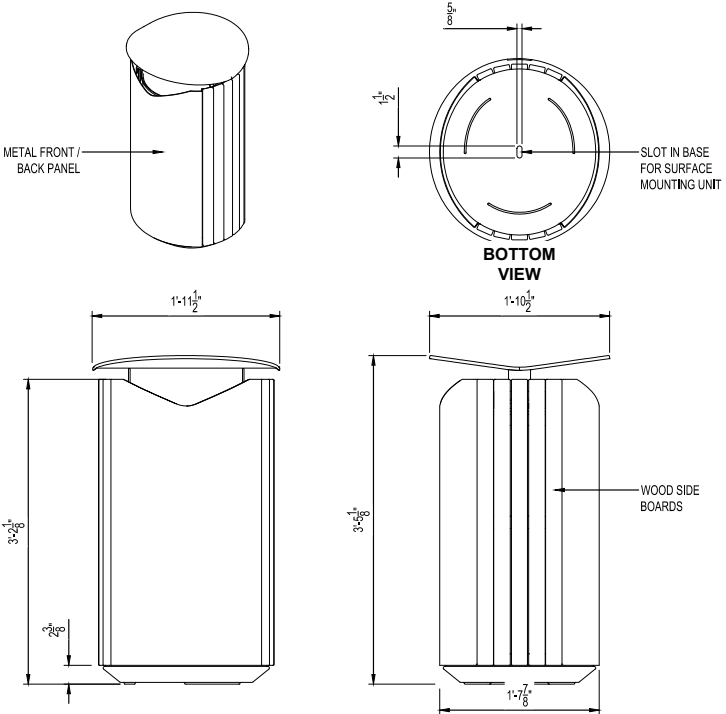
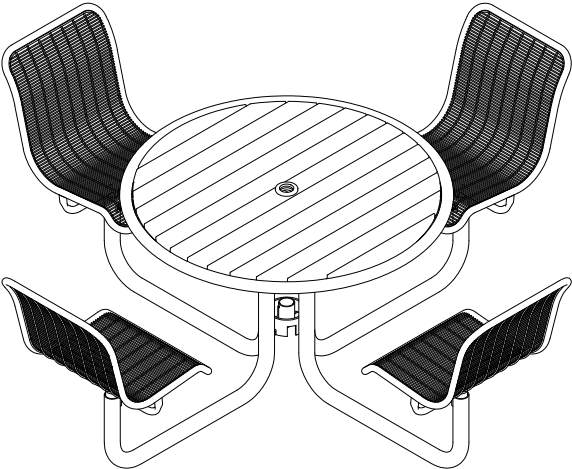
SHEET

C0-61

BASIS OF DESIGN:
MANUFACTURER: LANDSCAPE FORMS
MODEL: CR0124 AND CR0174 CAROUSEL TABLE, 3 AND 4 SEAT DINING HEIGHT, BACKED GRID SEATS, STEELHEAD 42" DIA WOOD TABLETOP
FRAME COLOR: ARCHITECTURAL SERIES DUSK
TABLETOP: JARRAH
MOUNTING: SURFACE MOUNTED
SEE SPECIFICATION 32.3300

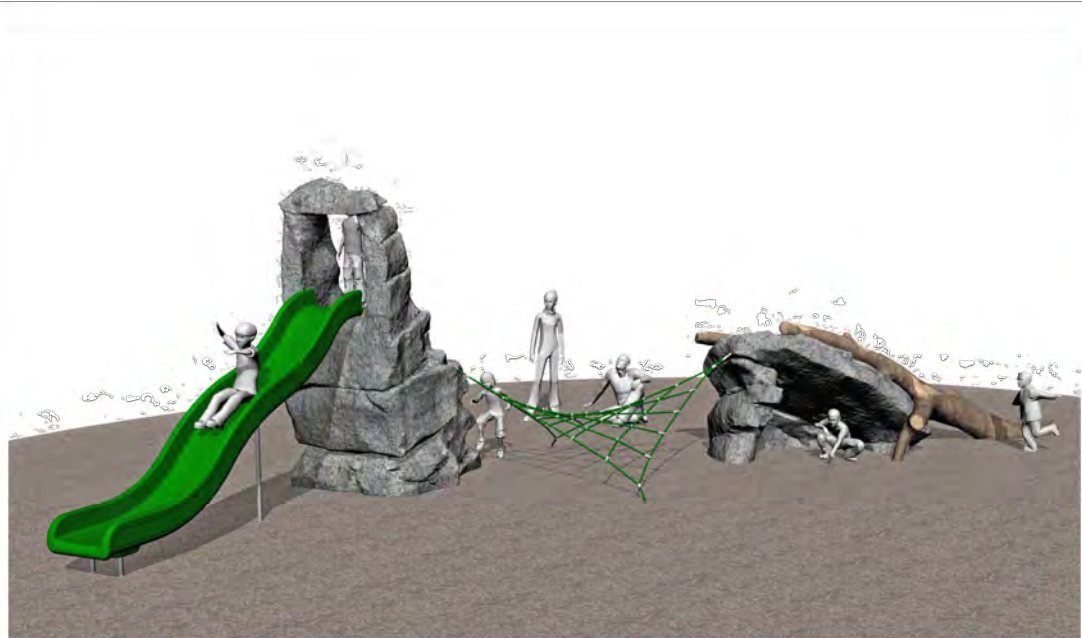


PICNIC TABLE
SCALE: 1"=1'-0"



BASIS OF DESIGN:
MANUFACTURER: LANDSCAPE FORMS
MODEL: BV411-01 GENERATION 50 LITTER, SIDE OPENING
FRAME COLOR: ARCHITECTURAL SERIES DUSK
WOOD SIDE BOARDS: JARRAH
MOUNTING: SURFACE MOUNTED

LITTER RECEPTACLE
SCALE: 1"=1'-0"



1 Cottonwood Pass_CMB010



Cottonwood Pass
CMB010

Age Group: 5-12

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

All IDS projects are designed to meet or exceed ASTM 1487. Not all equipment may be appropriate for all children. Supervision is required. ASTM compliant safety surfacing is required under and around all play equipment. The Americans with Disabilities Act (ADA) may require your play area to be accessible, please consult with an ADA professional to ensure compliance.

Date
7/24/2020

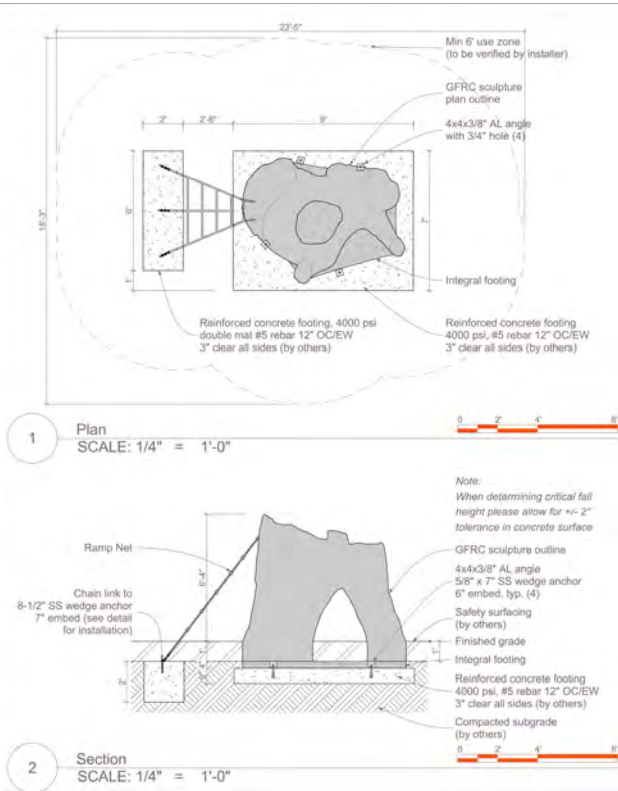
Drawing Title
Perspective

Sheet #
A.01.1

591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com

COTTONWOOD PASS

SCALE: NTS



3 Home Tree_AP004



4 Typical Finish



Home Tree
AP004

Age Group: 5-12

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION



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Date
9/5/2018

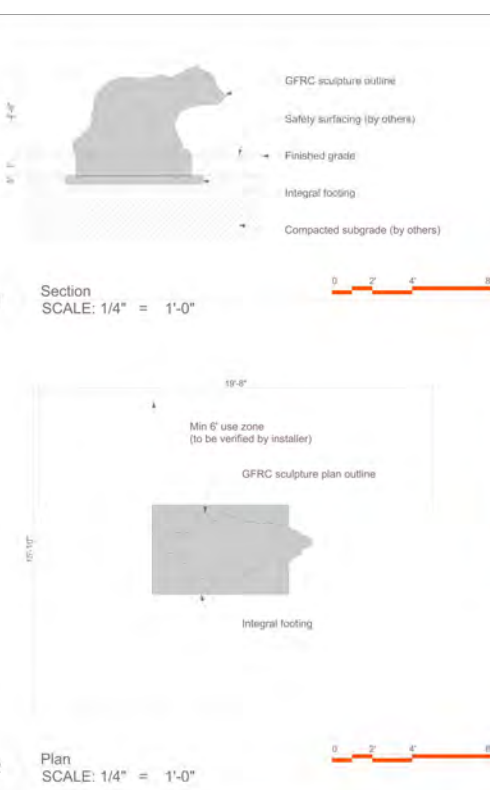
Drawing Title
Layout

Sheet #
A.01.1

591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com

HOME TREE

SCALE: NTS



3 Bear Cub_TC001



Bear Cub
TC001

Age Group: 2-5

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

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Date
12/13/2021

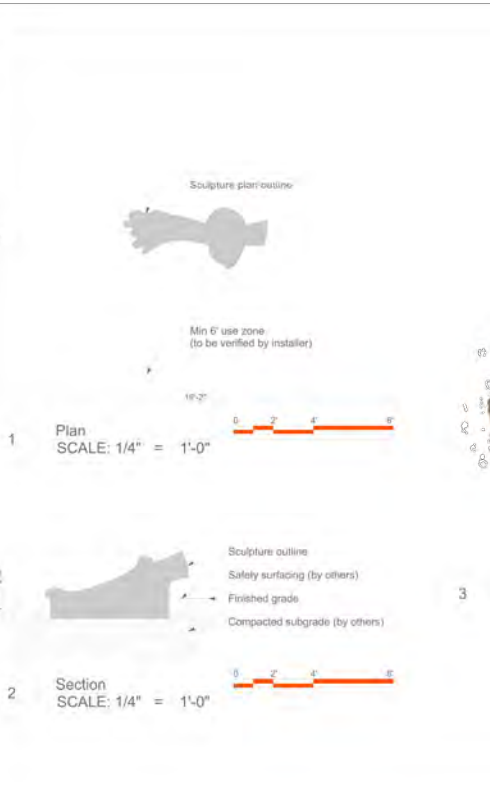
Drawing Title
Layout

Sheet #
A.01.1

591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com

BEAR CUB

SCALE: NTS



3 Linkin' Log_AP031



Linkin' Log
AP031

Age Group: 2-5, 5-12

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION



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Date
8/20/2020

Drawing Title
Layout

Sheet #
A.01.1

591 South Boulevard Street
Gunnison, Colorado 81230
info@idsculpture.com

LINKIN' LOG

SCALE: NTS



CITY OF
GRIMES

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 CO - SITE DETAILS 6
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SITE DETAILS - ID
SCULPTURE

SHEET

C0-70

CONSTRUCTION ACTIVITY NOTES:

EROSION PREVENTION:

CONSTRUCTION OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES SHALL BE COMPLETE BEFORE OTHER CONSTRUCTION ACTIVITY OCCURS.

USE PHASED CONSTRUCTION WHEREVER PRACTICAL AND ESTABLISH TURF AS SOON AS POSSIBLE TO MINIMIZE SEDIMENT TRANSPORT.

TURF ESTABLISHMENT OR TEMPORARY SEEDING OR MULCHING OF ALL EXPOSED SOIL NOT BEING ACTIVELY WORKED SHOULD BE IMMEDIATELY INITIATED ONCE EARTH DISTURBING ACTIVITIES HAVE CEASED. TEMPORARY COVER DURING CONSTRUCTION IS INCIDENTAL.

PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.

STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.

SEDIMENT CONTROL PRACTICES:

CONSTRUCTION OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES SHALL BE COMPLETE PRIOR TO LAND DISTURBING ACTIVITIES OCCUR.

INLET EROSION PROTECTION SHALL BE INSTALLED AND MAINTAINED UNTIL TURF HAS BEEN ESTABLISHED.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL EROSION FROM LEAVING THE CONSTRUCTION ZONE. ALL ERODED MATERIAL THAT LEAVES THE CONSTRUCTION ZONE SHALL BE COLLECTED BY THE CONTRACTOR AND RETURNED TO THE SITE AT THE CONTRACTOR'S EXPENSE.

ALL STREETS MUST BE SWEEPED AT THE END OF EACH WORKING DAY AND PRIOR TO A RAIN EVENT. SILT FENCE OR OTHER EFFECTIVE EROSION CONTROL MEASURES MUST BE INSTALLED AROUND THE PERIMETER OF ANY SOIL STOCKPILES, INCLUDING TEMPORARY STOCKPILES. STOCKPILES CANNOT BE PLACED IN SURFACE WATERS, INCLUDING STORM WATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES.

PERIMETER CONTROL SHALL BE INSTALLED ALONG THE BACK OF CURB IMMEDIATELY FOLLOWING CURB INSTALLATION AT ALL LOCATIONS WITH POSITIVE DRAINAGE TO PARKING LOT AND/OR STREETS, AND SHALL REMAIN UNTIL STABILIZATION IS ACHIEVED. THIS SHALL BE ACCOMPLISHED THROUGH THE USE OF SILT FENCE, BIOROLLS, ROCK LOGS, OR OTHER METHODS APPROVED BY THE ENGINEER.

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
INSTALL ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE SUCH AS STABILIZED CONSTRUCTION ENTRANCES, SILT BASINS, RISER PIPES, OUTLET PIPES SILT TRAPS, SILT FENCE, DIVERSIONS, TERRACES, TEMPORARY BERMS, AND ETCETERA.	PRIOR TO ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
PROCEED WITH STRIPPING OF EXISTING VEGETATION AND GRADING IN ACCORDANCE WITH THE GRADING PLAN, WHILE DISTURBING NO MORE THAN NECESSARY.	AFTER INSTALLING ALL BMP'S NEEDED AND ASSOCIATED WITH THE GRADING PHASE. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE START OF ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
PROCEED WITH INFRASTRUCTURE INSTALLATION.	INFRASTRUCTURE INSTALLATION MUST OCCUR PRIOR TO ANY BUILDING CONSTRUCTION.
IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.	STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
PROCEED WITH REMOVAL OF BMP'S.	BMP'S MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY DEVELOPED. FULL DEVELOPMENT SHALL MEAN INSTALLATION OF PAVEMENT, BUILDINGS, AND UTILITIES, LANDSCAPING, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMP'S.

CONSTRUCTION ACTIVITY NOTES:

DEWATERING AND BASIN DRAINING:

DEWATER SEDIMENT-LADEN WATER TO SEDIMENTATION BASINS IF POSSIBLE, OR USE OTHER BMP'S TO PREVENT EROSION AND REMOVE SEDIMENT WHEN DISCHARGING TO SURFACE WATERS. USE APPROPRIATE ENERGY DISSIPATION MEASURES ON ALL DISCHARGES.

DEWATERING PRACTICES CANNOT CAUSE NUISANCE CONDITIONS, EROSION OR IN RECEIVING CHANNELS OR INUNDATION OF WETLANDS RESULTING IN ADVERSE IMPACTS.

POLLUTION PREVENTION:

ALL SOLID WASTE COLLECTED FROM THE CONSTRUCTION SITE MUST BE DISPOSED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

ALL HAZARDOUS MATERIALS (OIL, GASOLINE, FUEL, PAINT, ETC) MUST BE PROPERLY STORED TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AREAS SHALL PROVIDE SECONDARY CONTAINMENT AND A HAZARDOUS MATERIALS SPILL KIT. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

EQUIPMENT MAINTENANCE AREAS MUST BE LIMITED TO A DEFINED AREA OF THE SITE. ALL RUNOFF CONTAINING ANY HAZARDOUS MATERIAL MUST BE PROPERLY COLLECTED AND DISPOSED. NO ENGINE DEGREASING SHALL BE ALLOWED ON SITE.

THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AIR POLLUTION AND ENSURING IT DOES NOT EXCEED LEVELS SET BY LOCAL, STATE, OR FEDERAL REGULATIONS. THIS INCLUDES DUST CREATED BY WORK BEING PERFORMED ON THE SITE. AIR POLLUTION AND DUST CONTROL CORRECTION IS CONSIDERED INCIDENTAL TO THE UNIT BID PRICES FOR WHICH WORK IS BEING PERFORMED. ADDITIONAL DUST CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

CONCRETE WASHOUT ONSITE: ALL LIQUID WASTE GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER. THE LIQUID WASTE MUST NOT CONTACT THE GROUND, AND THERE MUST NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. PROTECT STORM SEWERS AND DRAINAGE WAYS FROM ALLOWING CONCRETE SLURRY FROM CONCRETE OPERATIONS TO DISCHARGE OFFSITE.

INSPECTION AND MAINTENANCE:

THE PERMITTEES MUST ROUTINELY INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION.

ALL INSPECTIONS PERFORMED DURING CONSTRUCTION MUST BE RECORDED AND RECORDS RETAINED WITH THE SWPPP.

CONTRACTOR IS RESPONSIBLE FOR KEEPING A RECORD OF ALL RAINFALL INFORMATION & EROSION CONTROL MAINTENANCE UNTIL FINAL ESTABLISHMENT OF TURF.

ALL SILT FENCES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ½ OF THE HEIGHT OF THE FENCE.

EROSION CONTROL, AND OTHER BMP'S MUST BE REPLACED, REPAIRED, OR SUPPLEMENTED WHEN THEY REACH 50% DESIGN LOAD.

FINAL STABILIZATION:

THE PERMITTEES MUST ENSURE FINAL STABILIZATION OF THE SITE. THE PERMITTEES MUST SUBMIT A NOTICE OF DISCONTINUATION WITHIN 30 DAYS AFTER FINAL STABILIZATION IS COMPLETE OR CONTROL HAS BEEN PASSED TO ANOTHER OWNER.

SEDIMENT SHALL BE REMOVED AND BASIN SHALL BE RESTORED TO FINAL GRADE PRIOR TO RESTORATION AND ACCEPTANCE.

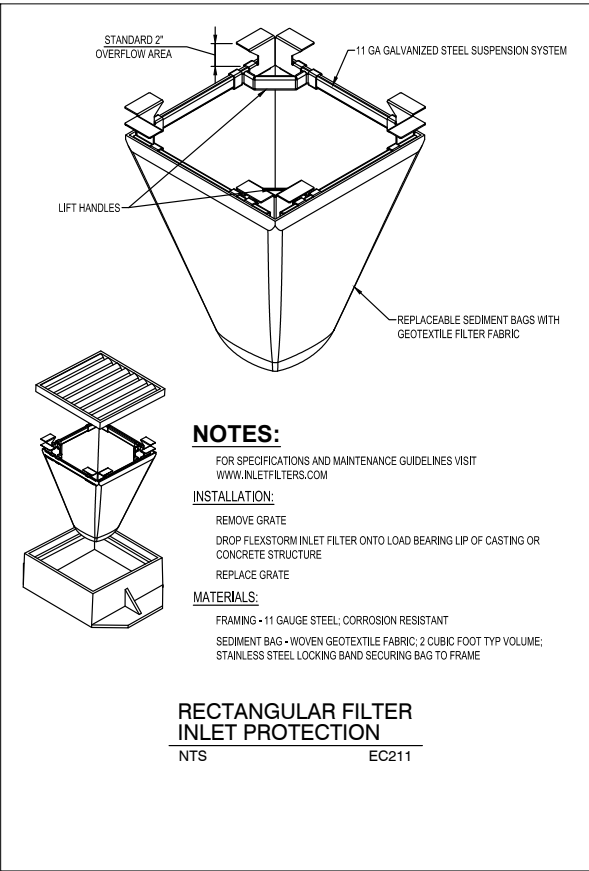
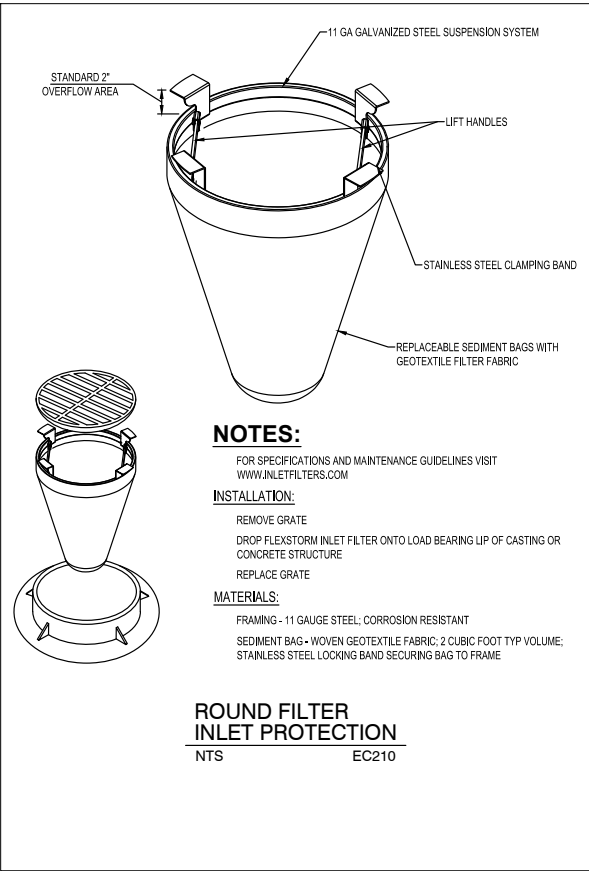
ALL TEMPORARY EROSION CONTROL MEASURES AND BMP'S MUST BE REMOVED AS PART OF THE FINAL SITE STABILIZATION.

THE STORM WATER PERMIT FURTHER DEFINES FINAL STABILIZATION AND ITS REQUIREMENTS.

MAINTENANCE SCHEDULE

THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, ALL EROSION CONTROL FEATURE REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMP'S THAT ARE NOT LISTED BELOW AS WELL.

- CONSTRUCTION ENTRANCE** - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR MATERIALS DROPPED, WASHED OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
- WATTLES** - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) WATTLES SHALL BE INSPECTED WEEKLY; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES; (2.3) NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF WATTLES SHALL BE ACCOMPLISHED PROMPTLY; (2.4) SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL, THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE WATTLE; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE WATTLE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- SILT FENCE** - THE MAINTENANCE MEASURES ARE AS FOLLOWS; (3.1) SILT FENCES SHALL BE INSPECTED WEEKLY, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY; (3.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING; (3.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (3.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (3.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
- TEMPORARY SEDIMENT BASIN** - TEMPORARY SEDIMENT BASIN SHALL BE CONSTRUCTED AT THE BEGINNING OF GRADING OPERATIONS TO PROVIDE THE REQUIRED SEDIMENT STORAGE. MAINTENANCE AND CLEANOUT FREQUENCIES FOR SEDIMENT BASINS DEPEND GREATLY ON THE AMOUNT OF PRECIPITATION AND SEDIMENT LOAD ARRIVING AT THE BASIN. DURING INSPECTIONS, THE EMBANKMENT SHOULD BE REVIEWED FOR SIGNS OF SEEPAGE, SETTLEMENT, OR SLUMPING. THESE PROBLEMS SHOULD BE REPAIRED IMMEDIATELY. SEDIMENT SHOULD BE REMOVED FROM THE BASIN WHEN IT ACCUMULATES TO ONE-HALF OF THE WET STORAGE VOLUME. DURING SEDIMENT CLEANOUT, TRASH SHOULD BE REMOVED FROM THE BASIN, AND THE DEWATERING DEVICE AND RISER PIPE SHOULD BE CHECKED AND CLEARED OF ANY ACCUMULATED DEBRIS.
- STORM DRAIN INLET PROTECTION** - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (4.1) STRUCTURES SHALL BE INSPECTED WEEKLY AND REPAIRS MADE AS NECESSARY AND (4.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- TEMPORARY SEEDING** - AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED.
- PERMANENT SEEDING** - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (10.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (10.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (10.3) INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; [10.3.A] IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; [10.3.B] IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS; [10.3.C] IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER, THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.
- STREET CLEANING / SWEEPING** - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (13.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (13.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIMES OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (13.3) ALL STREETS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY AND PRIOR TO A RAIN EVENT; (13.4) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (13.5) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

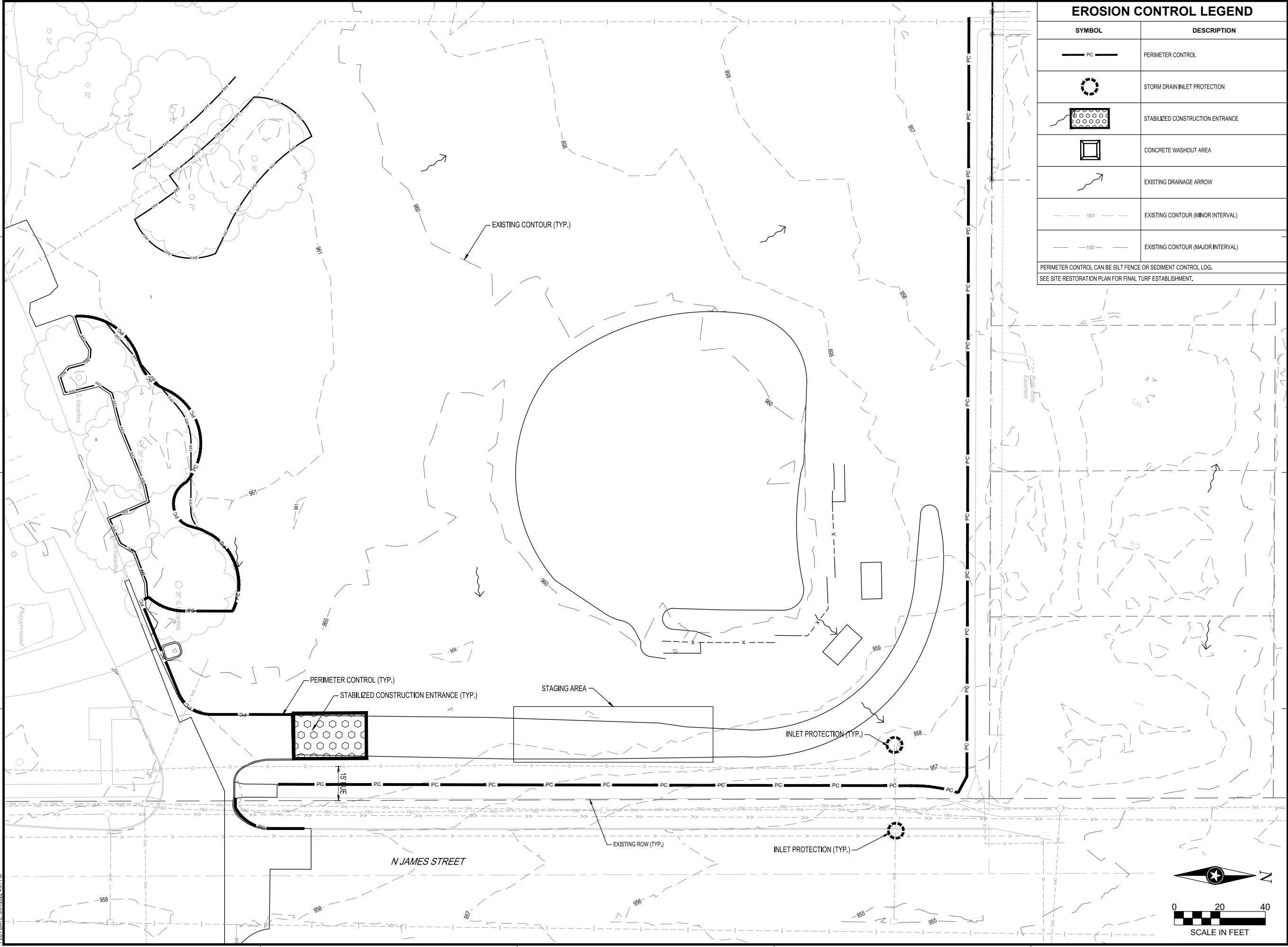
PROJECT NO.	21-25768
FILE NAME	25768 C1 - SWPPP
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SWPPP NOTES
AND DETAILS

SHEET

C1-10



EROSION CONTROL LEGEND	
SYMBOL	DESCRIPTION
	PERIMETER CONTROL
	STORM DRAIN INLET PROTECTION
	STABILIZED CONSTRUCTION ENTRANCE
	CONCRETE WASHOUT AREA
	EXISTING DRAINAGE ARROW
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
PERIMETER CONTROL CAN BE SILT FENCE OR SEDIMENT CONTROL LOG.	
SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT.	



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

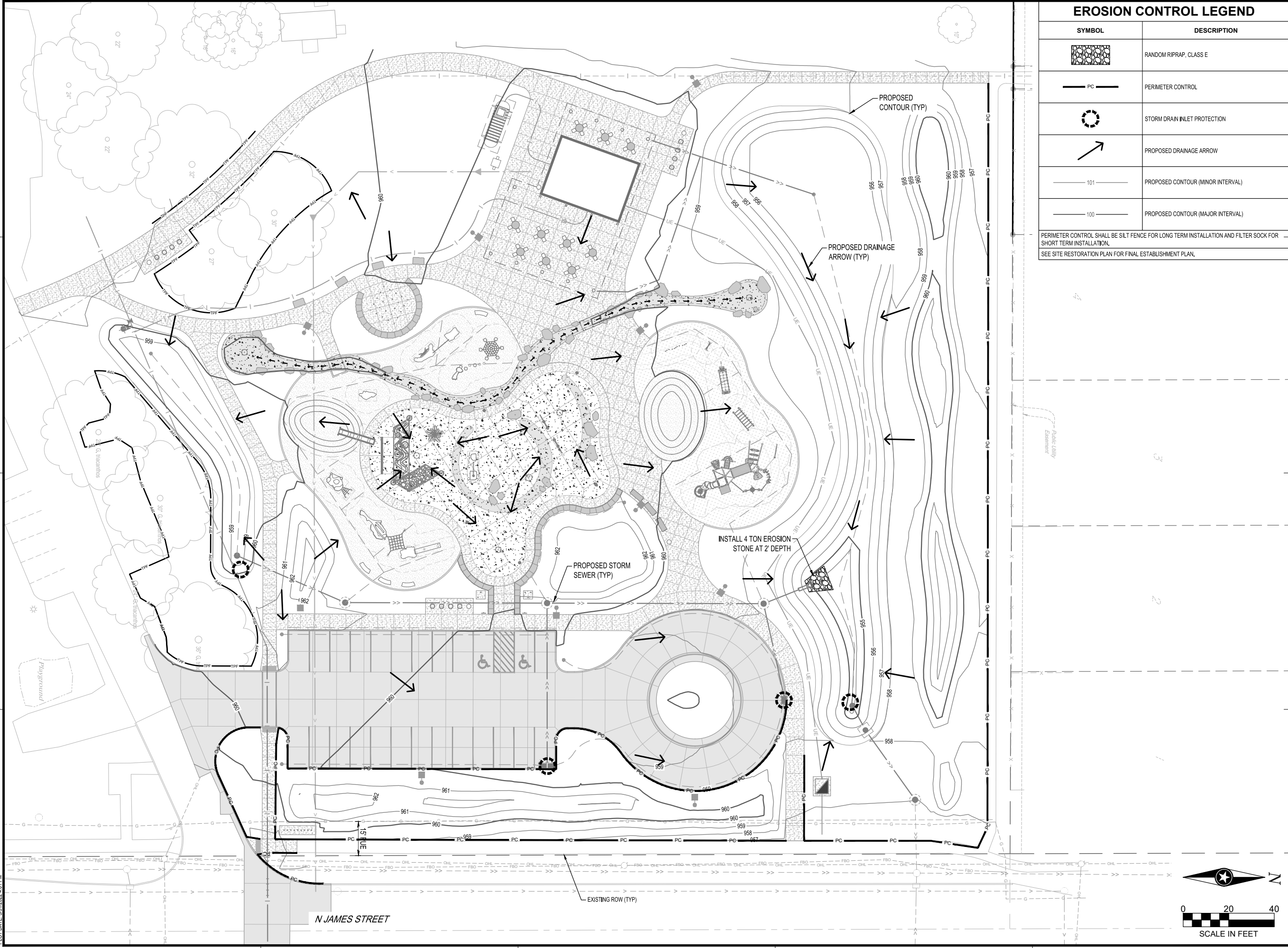
PROJECT NO.	21-25768
FILE NAME	25768 C1 - SWPPP
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

PRE-CONSTRUCTION
EROSION CONTROL
PLAN

SHEET

C1-20



EROSION CONTROL LEGEND	
SYMBOL	DESCRIPTION
	RANDOM RIPRAP, CLASS E
	PERIMETER CONTROL
	STORM DRAIN INLET PROTECTION
	PROPOSED DRAINAGE ARROW
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
PERIMETER CONTROL SHALL BE SILT FENCE FOR LONG TERM INSTALLATION AND FILTER SOCK FOR SHORT TERM INSTALLATION. SEE SITE RESTORATION PLAN FOR FINAL ESTABLISHMENT PLAN.	

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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

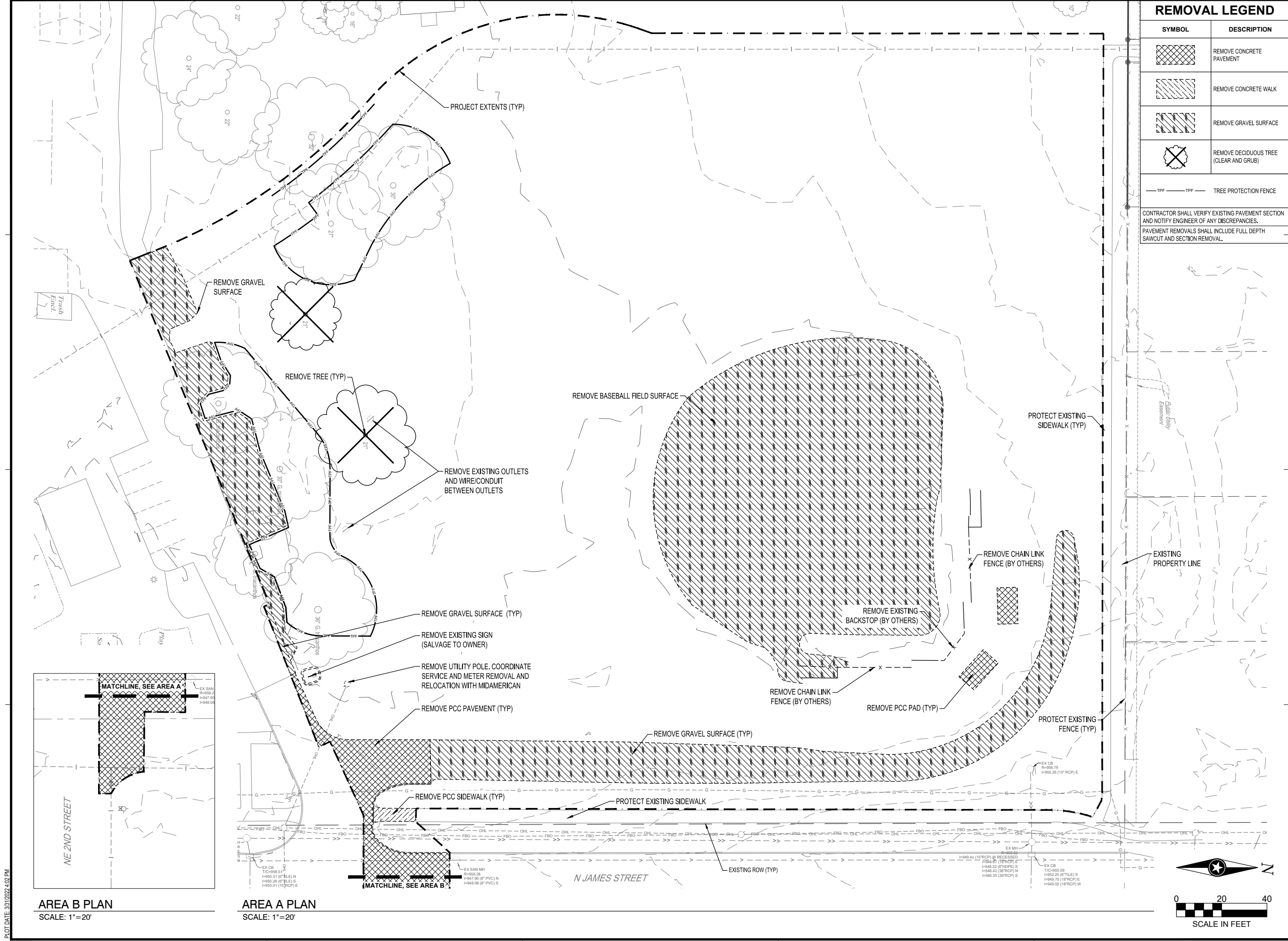
PROJECT NO.	21-25768
FILE NAME	25768 C1 - SWPPP
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

POST-CONSTRUCTION EROSION CONTROL PLAN

SHEET

C1-30



REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE CONCRETE PAVEMENT
	REMOVE CONCRETE WALK
	REMOVE GRAVEL SURFACE
	REMOVE DECIDUOUS TREE (CLEAR AND GRUB)
	TPF TREE PROTECTION FENCE
CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT AND SECTION REMOVAL.	



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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C2 - EXISTING SITE PLAN
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/19/2022
CLIENT PROJECT NO.	-

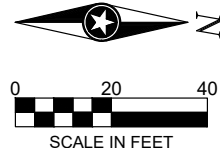
TITLE

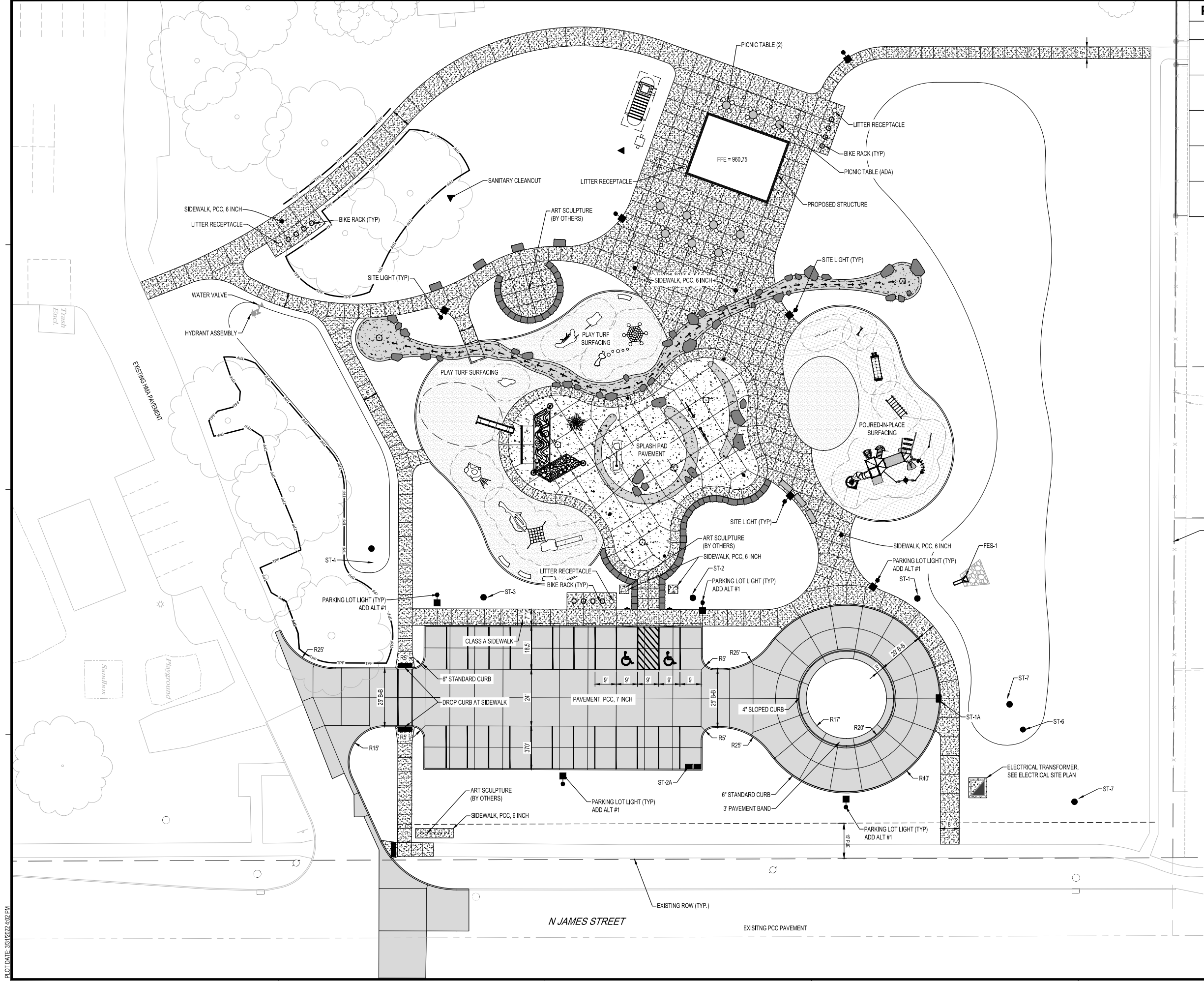
EXISTING SITE AND REMOVALS PLAN

PLOT DATE: 3/31/2022 4:02 PM

AREA B PLAN
SCALE: 1"=20'

AREA A PLAN
SCALE: 1"=20'





PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	PAVEMENT, PCC, 7 INCH
	SIDEWALK, PCC, 6 INCH
	PLAY TURF SURFACING
	SPLASH PAD PAVEMENT
	POURED-IN-PLACE SURFACING

ISG

CITY OF GRIMES

NOTE:
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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C3 - SITE PLAN
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

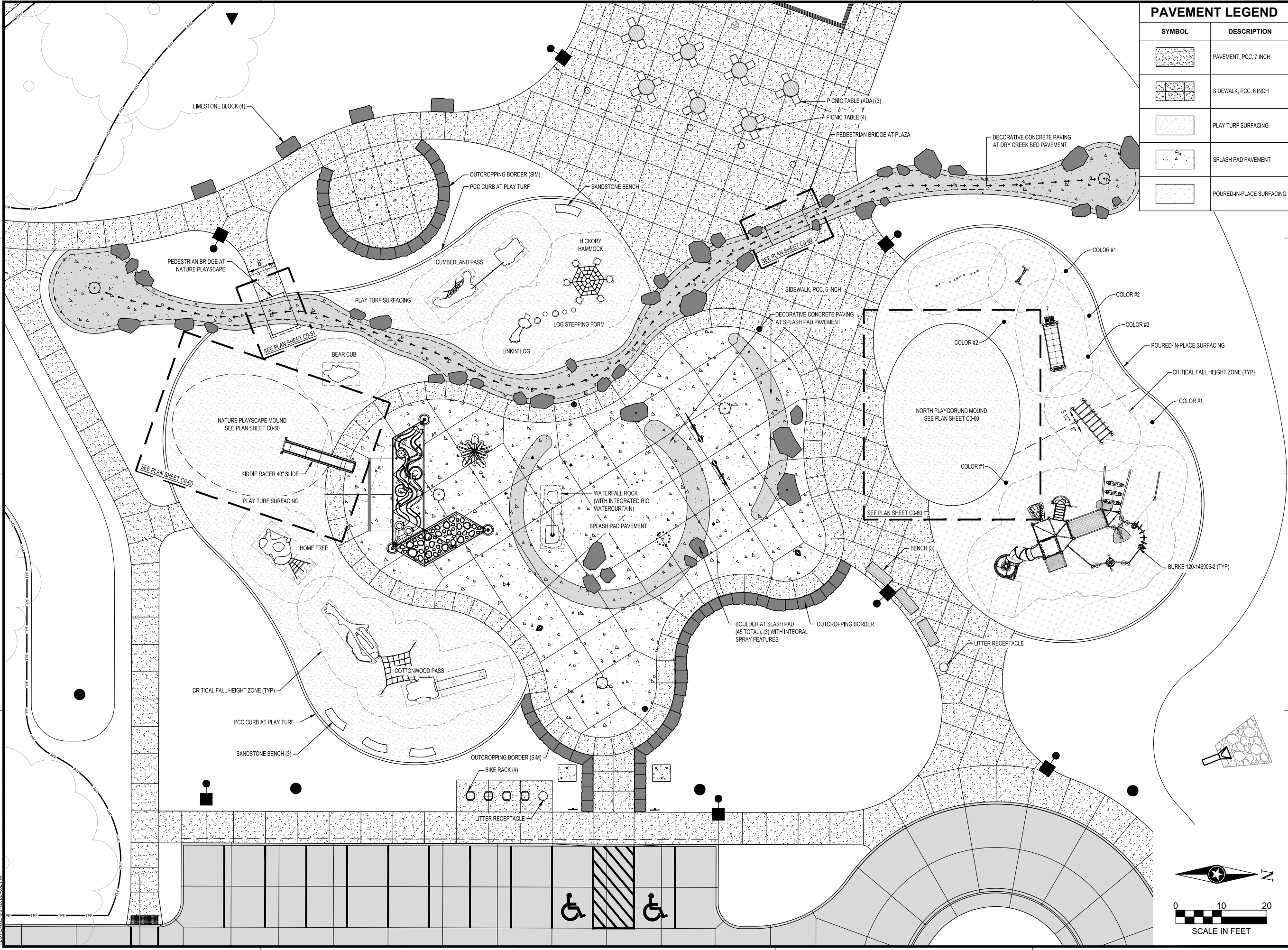
TITLE

SITE PLAN

SHEET

C3-10

PLOT DATE: 3/31/2022 4:02 PM



PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	PAVEMENT, PCC, 7 INCH
	SIDEWALK, PCC, 6 INCH
	PLAY TURF SURFACING
	SPLASH PAD PAVEMENT
	POURED-IN-PLACE SURFACING

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PROJECT

CITY OF GRIMES

WATERWORKS

PARK

IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
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ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

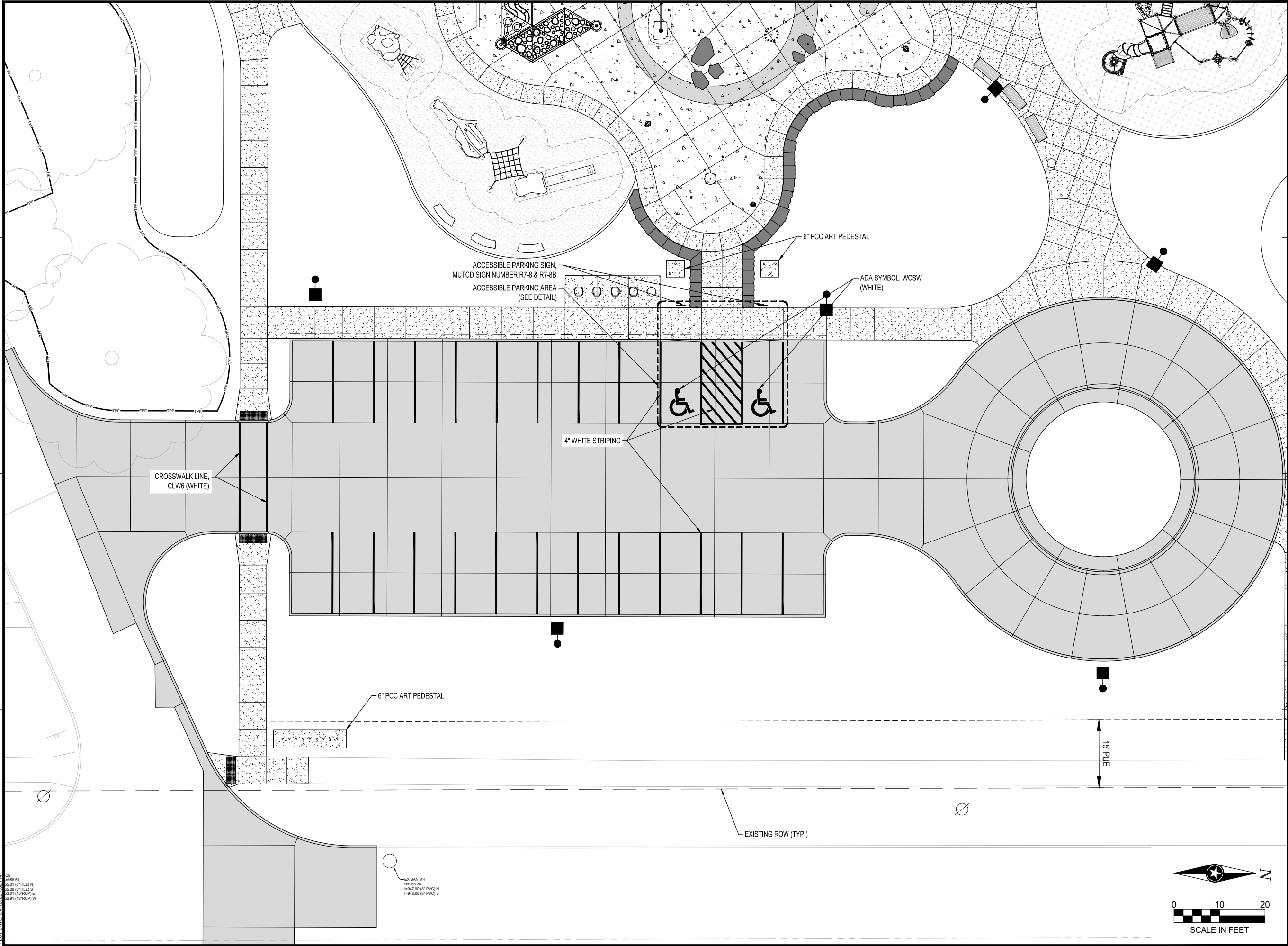
TITLE

ENLARGED SITE

PLAN

SHEET

C3-11



CITY OF
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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

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CLIENT PROJECT NO.	-

TITLE

SIGNAGE AND
STRIPING

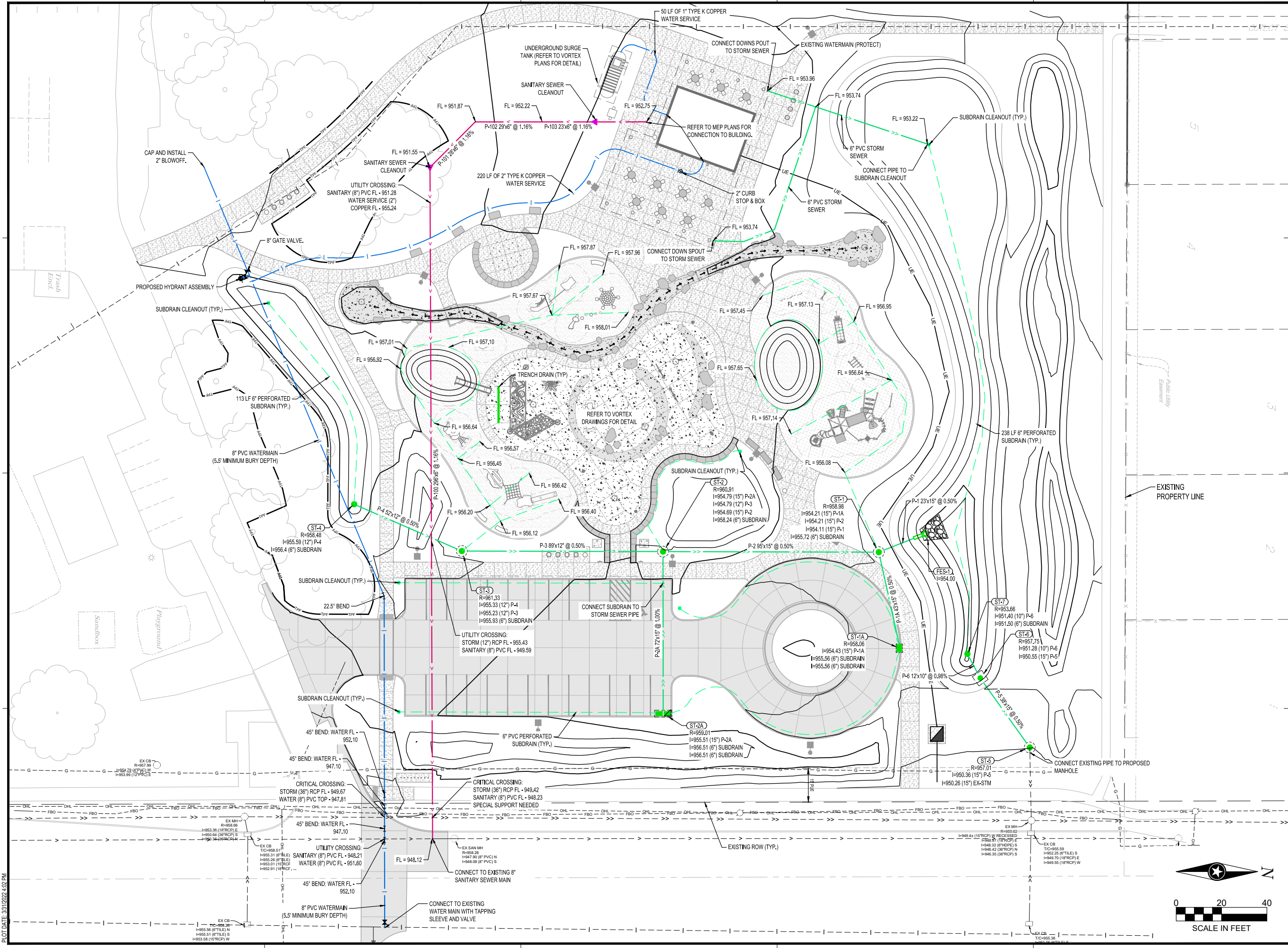
SHEET

C3-20

PLOT DATE: 3/31/2022 4:02 PM
CB
H=958.51
S=53.31 (8" TILE) N
S=53.26 (8" TILE) S
S=53.01 (15" RCP) E
S=52.91 (15" RCP) W

EX SAN MH
R=958.28
H=947.50 (8" PVC) N
H=948.08 (8" PVC) S





CITY OF
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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES

IOWA

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FILE NAME 25768 C3 - SITE PLAN
DRAWN BY MJE/PCN
DESIGNED BY JDH/NSG/PCN
REVIEWED BY JDH/NSG
ORIGINAL ISSUE DATE 03/18/2022
CLIENT PROJECT NO. -

TITLE

UTILITY PLAN

SHEET

C3-30



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

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REVIEWED BY	JDH/NSG
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CLIENT PROJECT NO.	-

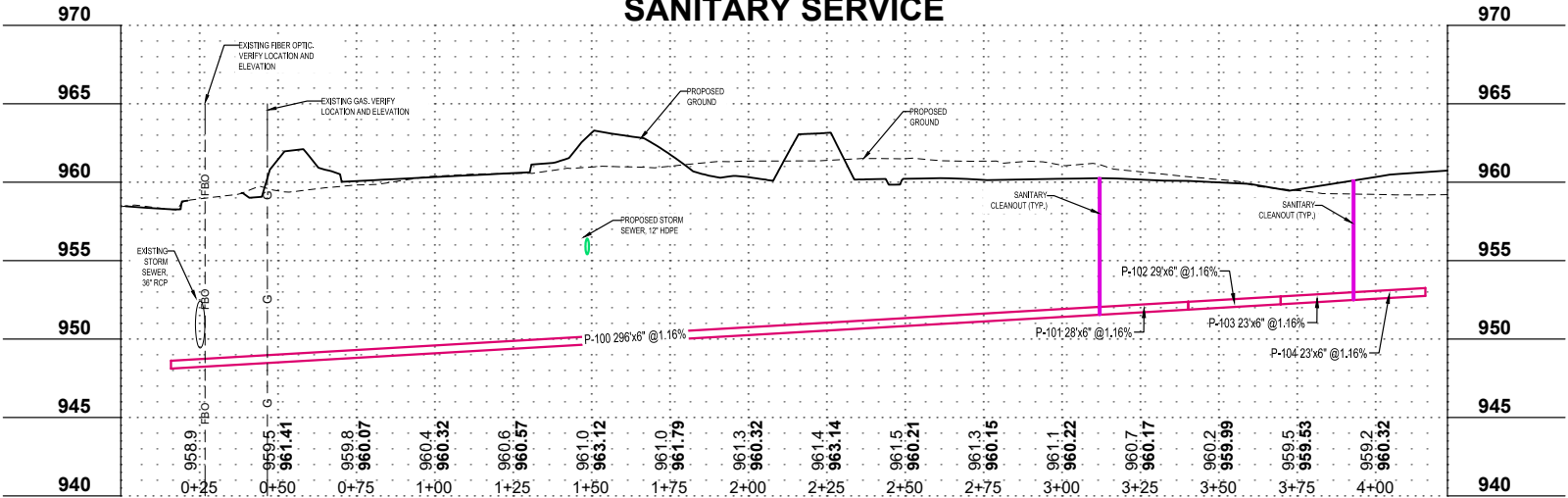
TITLE

UTILITY PROFILES

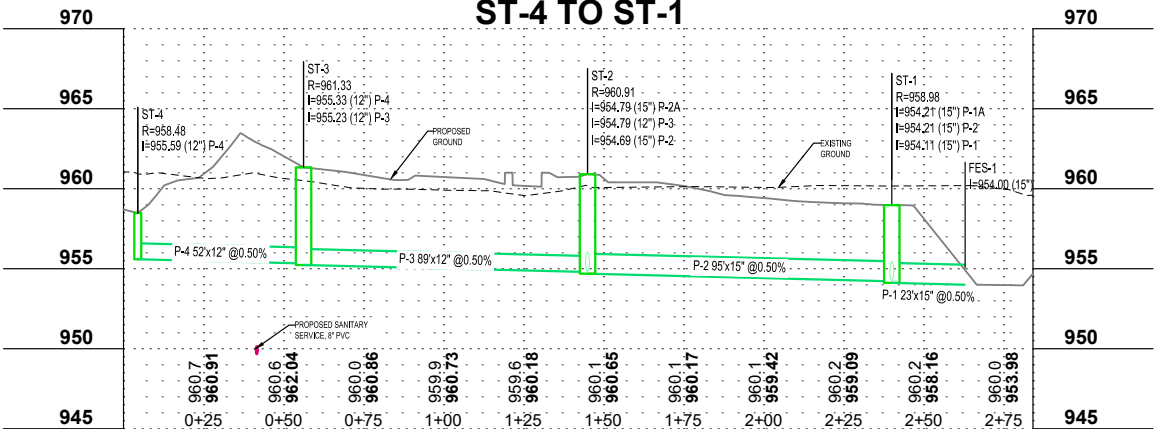
SHEET

C3-31

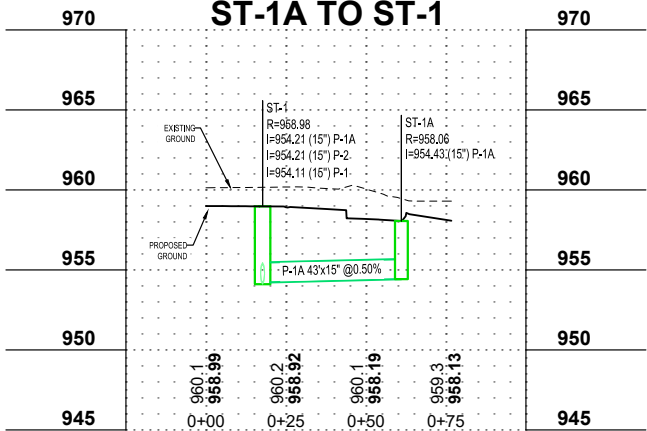
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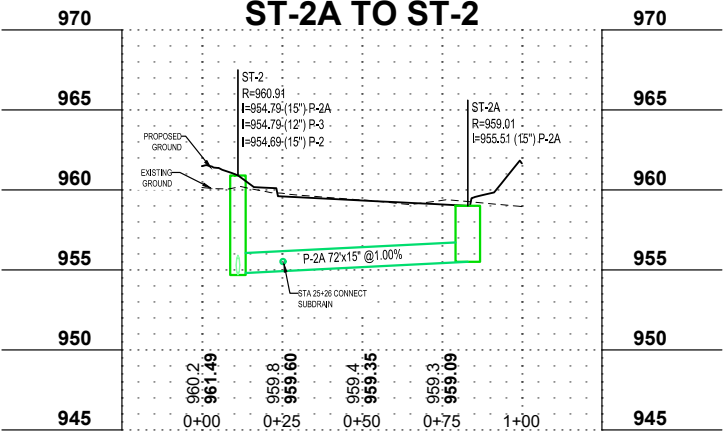
ST-4 TO ST-1



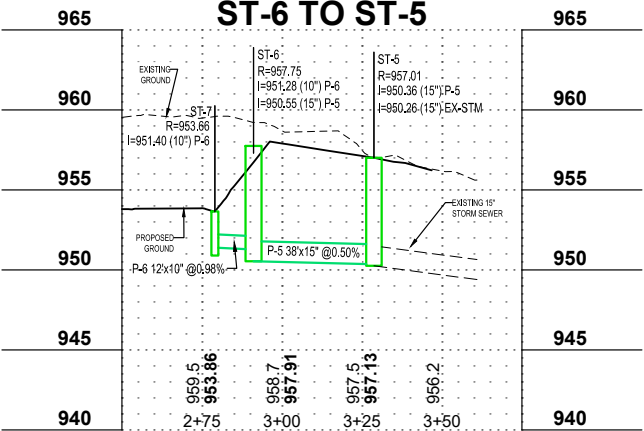
ST-1A TO ST-1



ST-2A TO ST-2

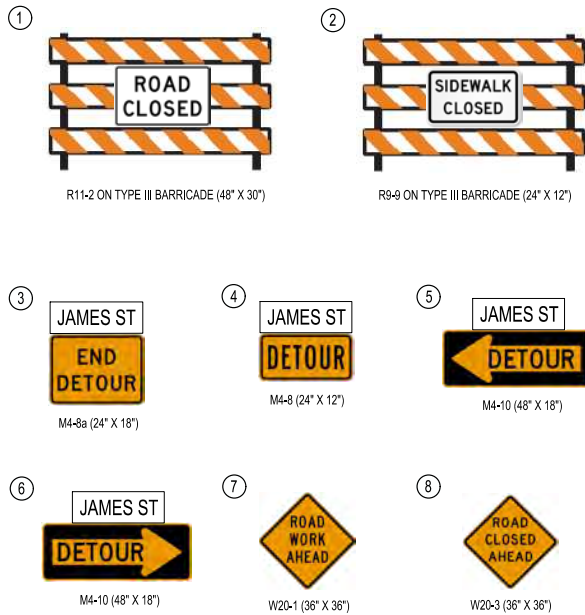


ST-6 TO ST-5



TRAFFIC CONTROL NOTES:

- ALL TRAFFIC CONTROL PLANS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE CONTRACTOR SHALL COORDINATE CLOSURE WITH THE OWNER A MINIMUM OF 5 BUSINESS DAYS PRIOR TO ROAD CLOSURE.
- ROAD CLOSURE SHALL BE INSTALLED AT ALL ROAD CLOSURE LOCATIONS ADHERING TO IOWA DOT STANDARD ROAD PLAN T-252.
- ALL CITY DETOUR SIGNING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL TRAFFIC CONTROL SIGNAGE SHALL BE INSTALLED PER MUTCD AND IOWA DOT STANDARDS.
- SIGN 1 TO BE PLACED ON BARRICADES WITH CORRECT REFLECTIVE PANELS (B7 - 1AR & B7 - 1AL)
- ROAD CLOSURE ON JAMES STREET SHALL BE IN PLACE NO LONGER THAN 5 BUSINESS DAYS. ALL WATERMAIN WORK AND PAVEMENT PATCHING SHALL BE COMPLETED PRIOR TO OPENING THE ROADWAY.
- CONTRACTOR SHALL PROVIDE 4 MESSAGE BOARDS TO NOTIFY RESIDENTS OF ROAD CLOSURE ON JAMES STREET. MESSAGE BOARDS SHALL BE PLACED ON W 1ST STREET AND JAMES STREET. MESSAGE BOARDS SHALL BE PLACED IN A LOCATION THAT IS VISIBLE TO COMMUTERS, BUT DOES NOT IMPACT THE FLOW OF TRAFFIC. CONTRACTOR TO COORDINATE WITH OWNER FOR MESSAGE BOARD MESSAGE. MESSAGE BOARD SHALL BE INSTALLED 2 BUSINESS DAYS PRIOR TO ROAD CLOSURE AND REMAIN IN PLACE UNTIL ROAD IS FULLY OPEN TO THE PUBLIC.
- PERMANENT SIGNAGE 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.
- ALL TRAFFIC CONTROL SIGNS INSTALLED FOR MORE THAN ONE WEEK ARE REQUIRED TO BE POST MOUNTED.



DETOUR ROUTE — — —



CITY OF
GRIMES

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

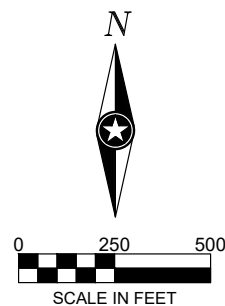
GRIMES IOWA

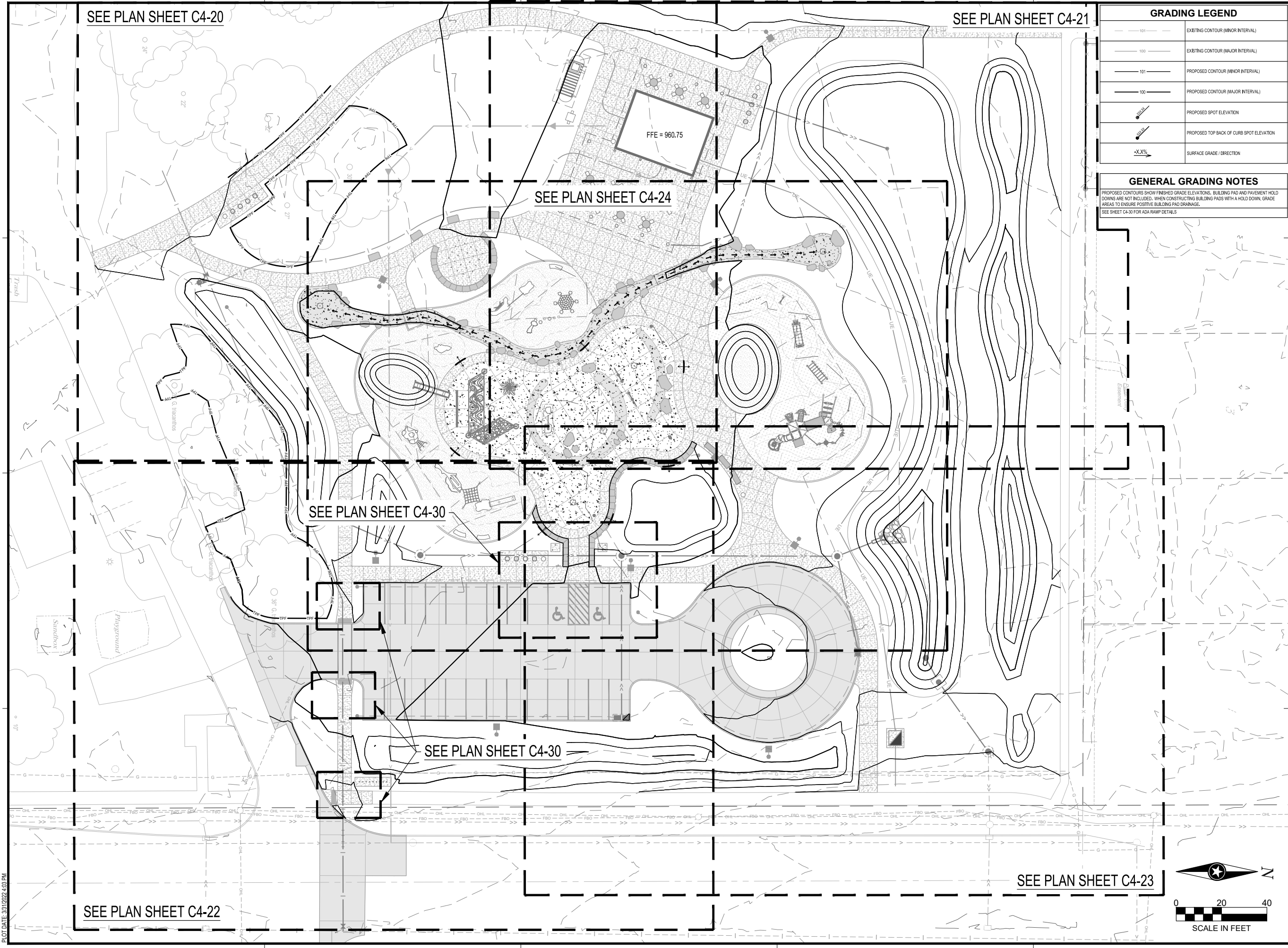
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 TEMPORARY TRAFFIC CONTROL
DRAWN BY	-
DESIGNED BY	-
REVIEWED BY	-
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE
DETOUR NOTES
AND DETAILS

SHEET
C3-40





GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED. WHEN CONSTRUCTING BUILDING PADS WITH A HOLD DOWN, GRADE AREAS TO INSURE POSITIVE BUILDING PAD DRAINAGE.

SEE SHEET C4-30 FOR ADA RAMP DETAILS

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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C4 - GRADING PLAN
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

OVERALL GRADING PLAN

SHEET

C4-10

PLOT DATE: 3/31/2022 4:03 PM



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CITY OF GRIMES

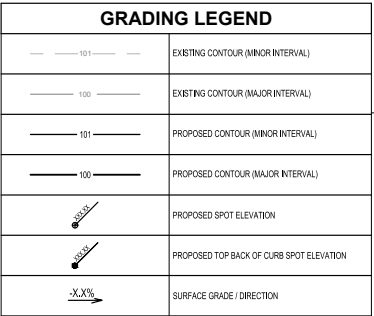
**WATERWORKS
PARK
IMPROVEMENTS**

[illegible]

TITLE

**DETAILED
GRADING PLAN**

C4-20



PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED. WHEN CONSTRUCTING BUILDING PADS WITH A HOLD DOWN, GRADE AREAS TO ENSURE POSITIVE BUILDING PAD DRAINAGE.

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CITY OF
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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES

IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

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ORIGINAL ISSUE DATE	03/18/2022

CLIENT PROJECT NO. -

TITLE

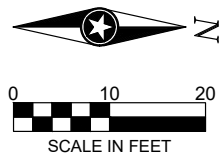
DETAILED
GRADING PLAN

SHEET

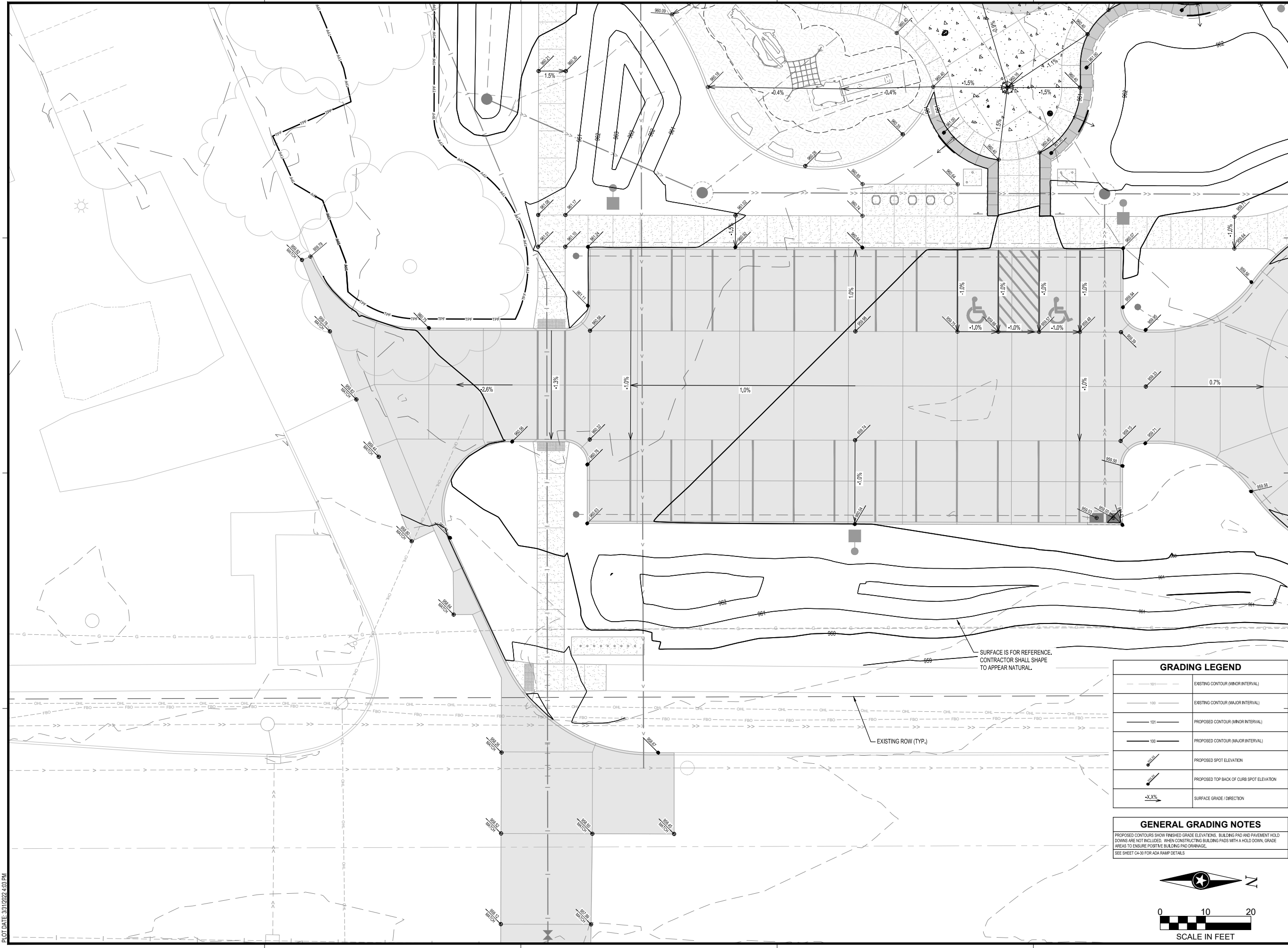
C4-21

GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

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CITY OF
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**CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

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TITLE

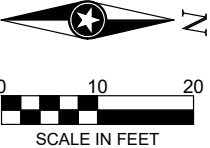
**DETAILED
GRADING PLAN**

SHEET

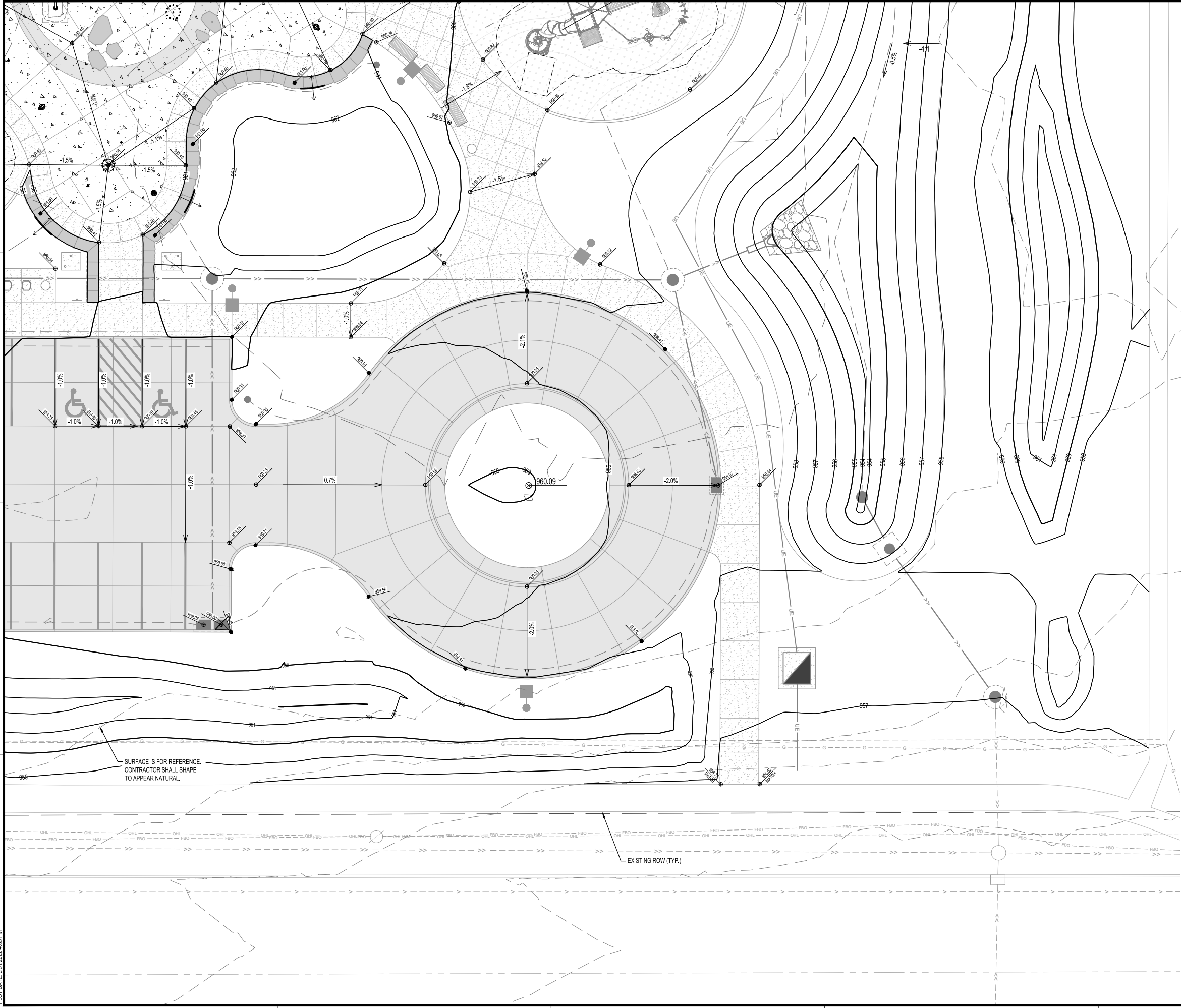
C4-22

GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
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CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

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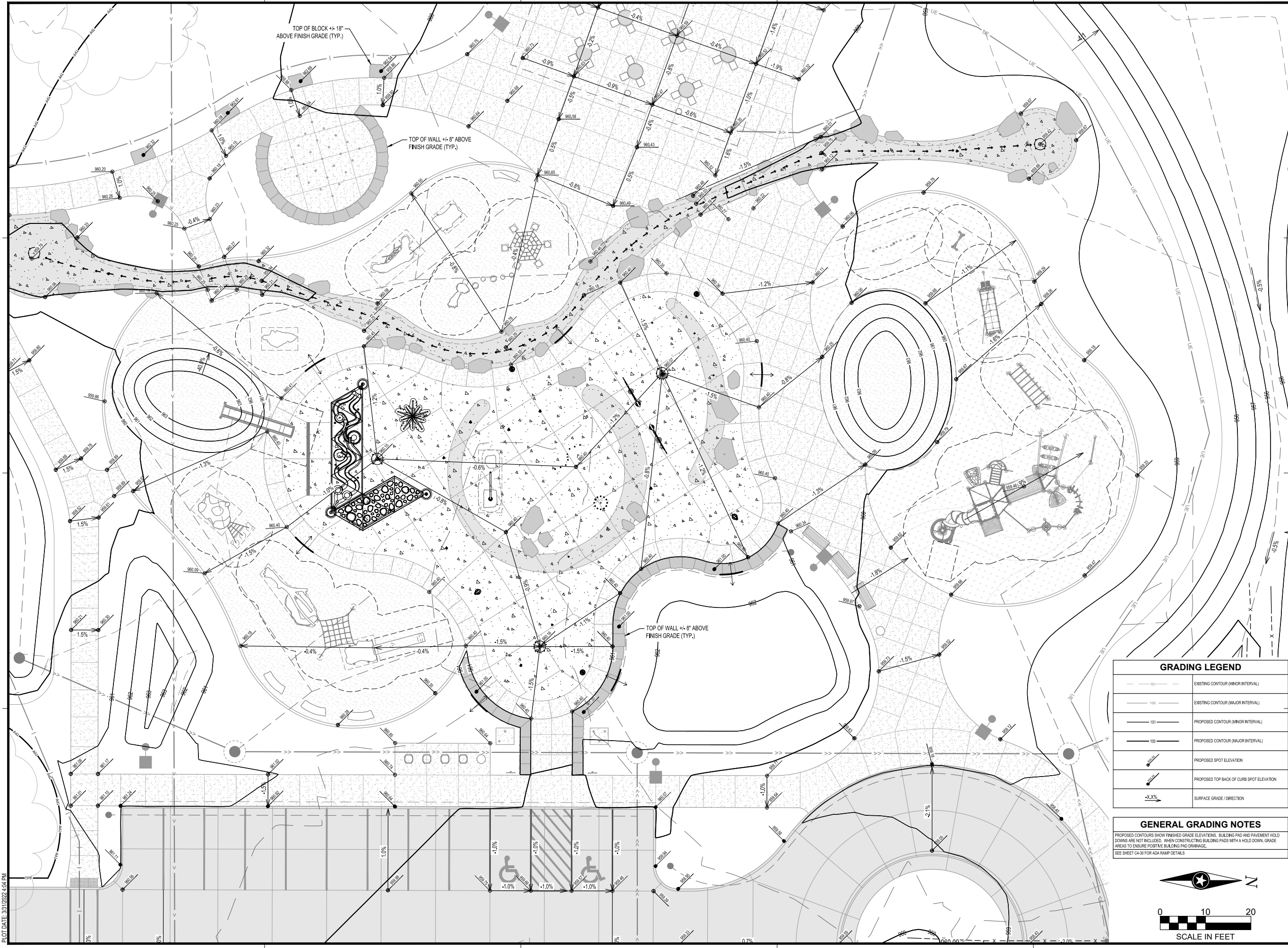
SHEET

C4-23

GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
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	PROPOSED CONTOUR (MINOR INTERVAL)
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CITY OF
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CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

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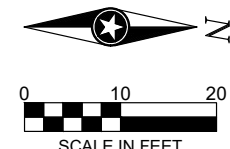
DETAILED
GRADING PLAN

SHEET

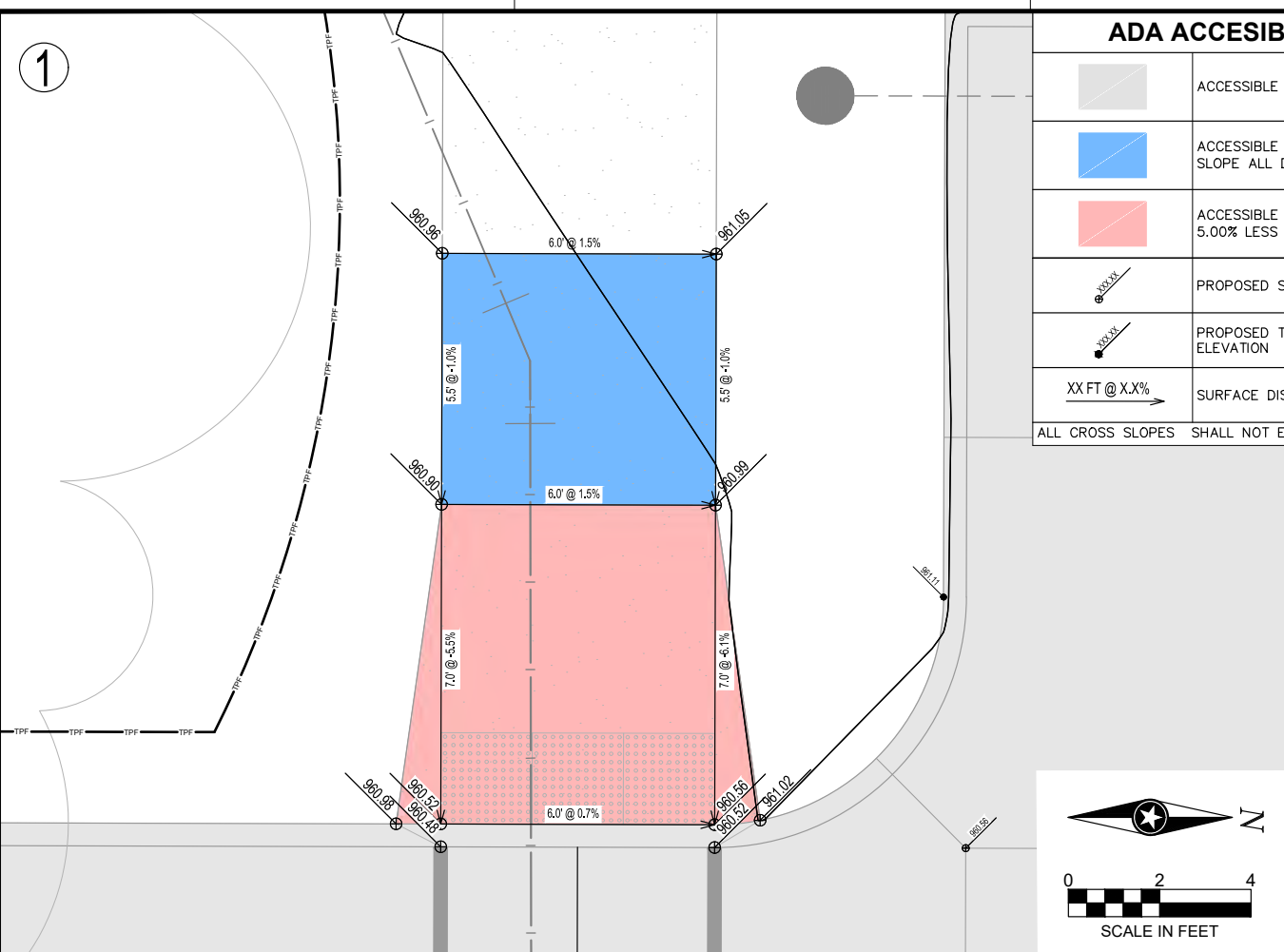
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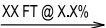
GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
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	PROPOSED SPOT ELEVATION
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	SURFACE GRADE / DIRECTION

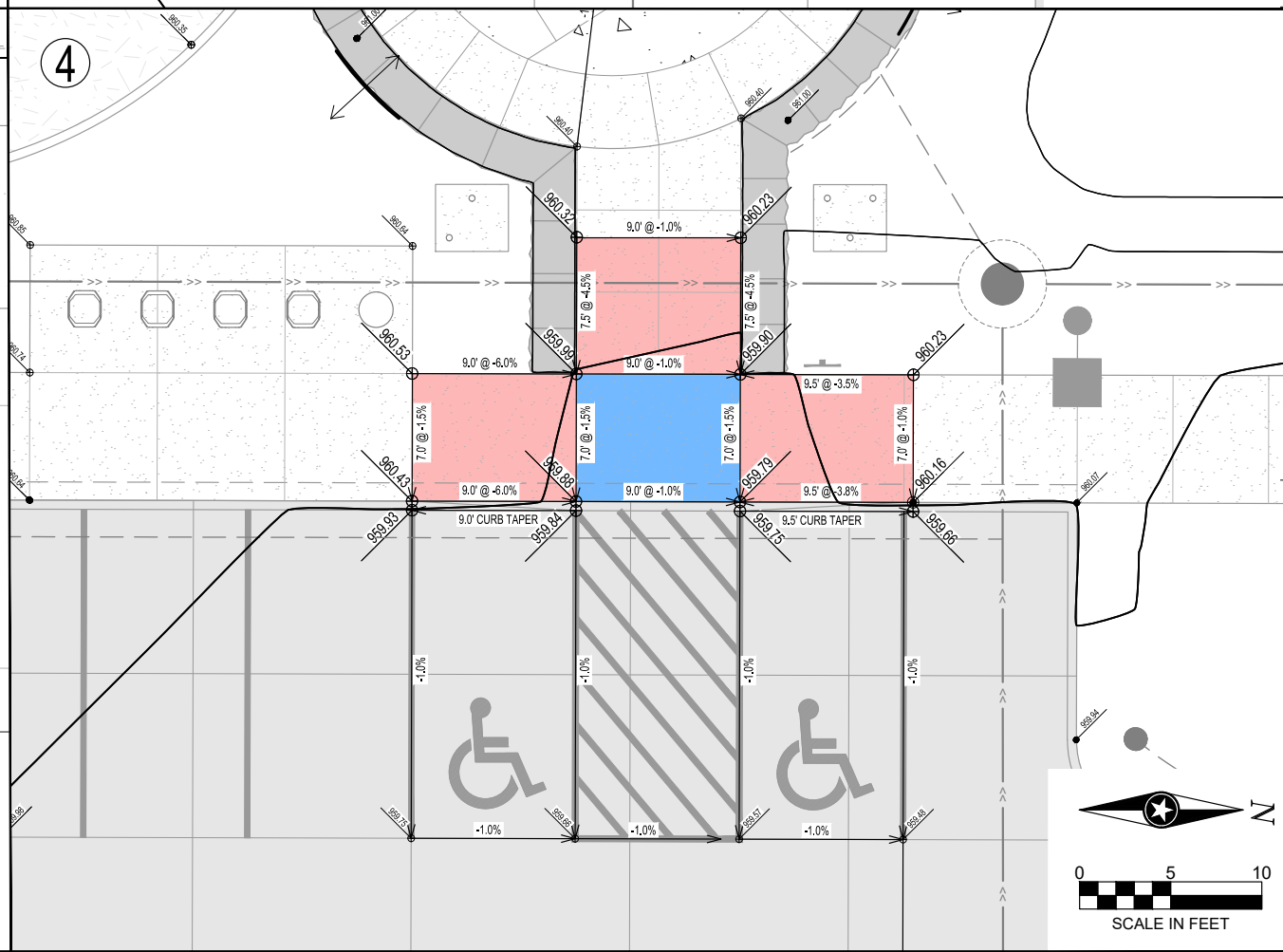
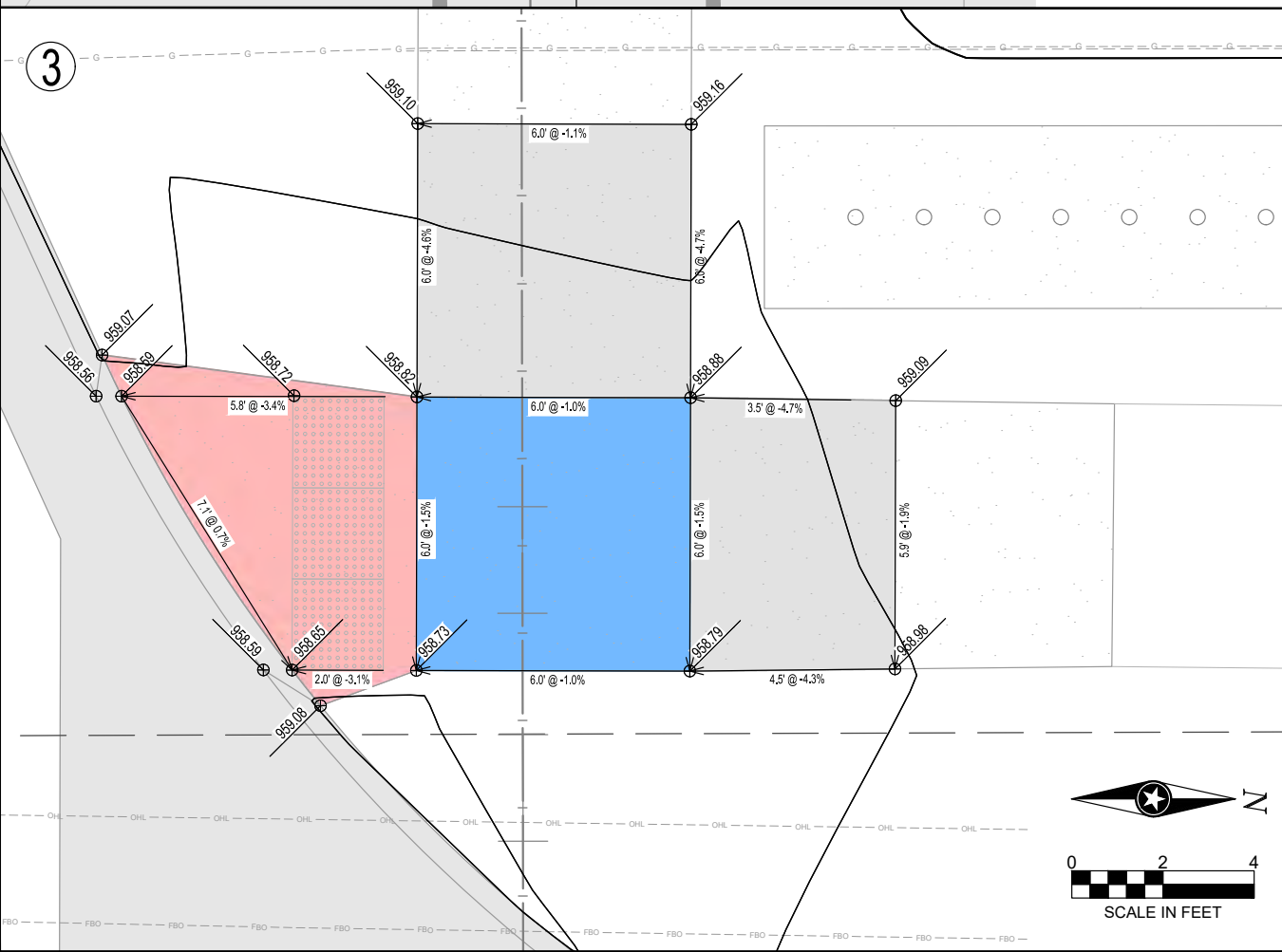
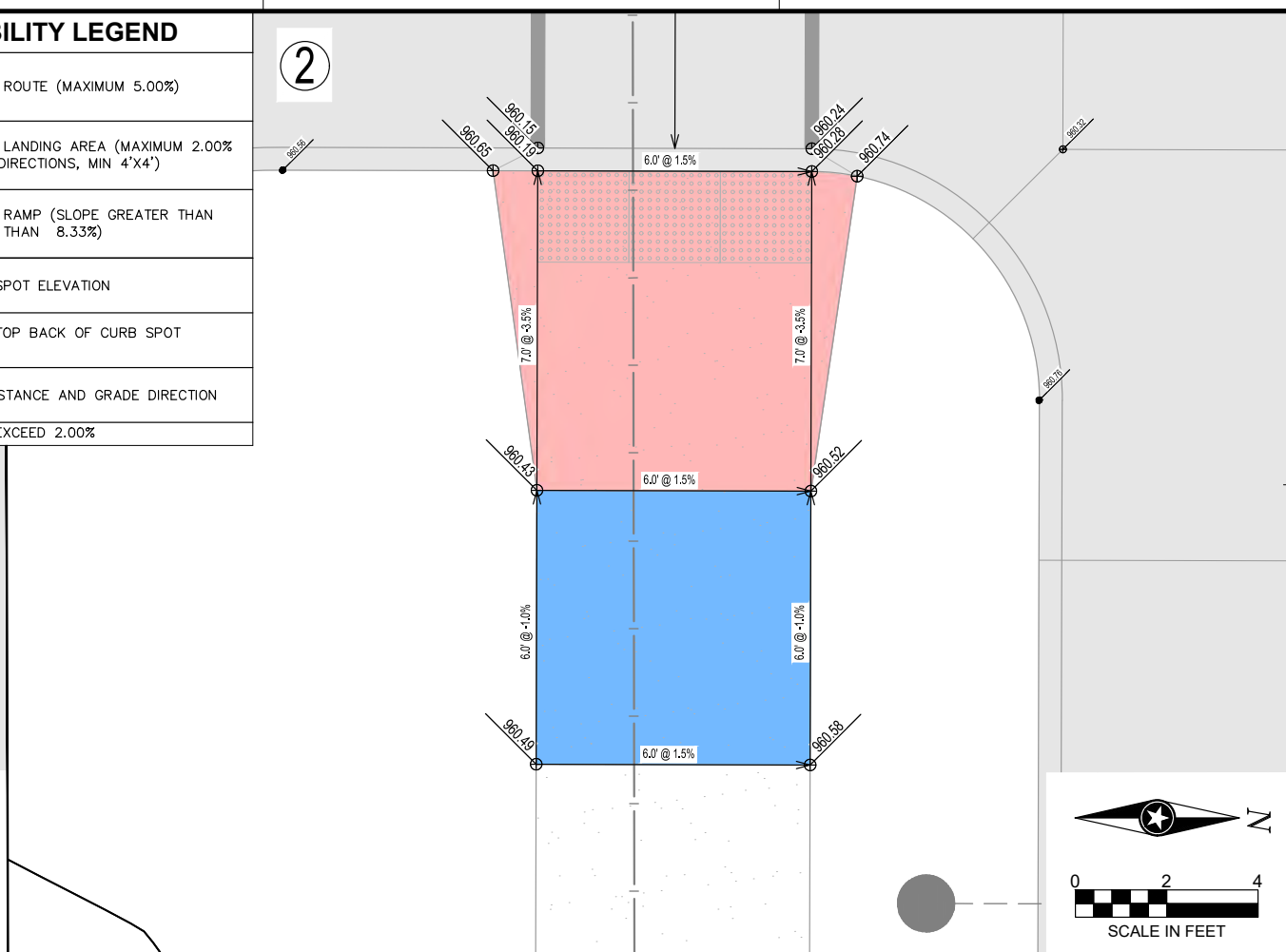
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SEE SHEET C4-30 FOR ADA RAMP DETAILS



PLOT DATE: 3/31/2022 4:04 PM



ADA ACCESSIBILITY LEGEND	
	ACCESSIBLE ROUTE (MAXIMUM 5.00%)
	ACCESSIBLE LANDING AREA (MAXIMUM 2.00% SLOPE ALL DIRECTIONS, MIN 4'X4')
	ACCESSIBLE RAMP (SLOPE GREATER THAN 5.00% LESS THAN 8.33%)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE DISTANCE AND GRADE DIRECTION
ALL CROSS SLOPES	SHALL NOT EXCEED 2.00%

CITY OF
GRIMES

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PROJECT

CITY OF GRIMES

**WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

[illegible]

PROJECT NO.	21-25768
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DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

**DETAILED
GRADING PLAN
(ADA RAMPS)**

SHEET

C4-30



RESTORATION SCHEDULE		
CODE	DESCRIPTION	QTY
1	LANDSCAPE EDGING	677 LF
2	TREE PROTECTION FENCE	601 LF
SYMBOL	DESCRIPTION	QTY
	SOD	31,313 SF 314 SQ
	NATIVE PLANTING MIX	12,998 SF 0.30 AC
	DETENSION BASIN SEED MIX	13,975 SF 0.32 AC
SYMBOL	DESCRIPTION	QTY
	MULCH	116.24 CY

NATIVE PLANTING MIX
SEEDING RATE: 7.31 LBS PER ACRE, 117 SEEDS PER SQUARE FOOT.
FOLLOWING PERCENTAGES LISTED BY WEIGHT OF PURE LIVE SEED:

ALLIUM CERNUUM (NODDING ONION): 2.56%
BOUTELLOUA CURTIPENDULA (SIDE-OATS GRAMA): 15.38%
BROMUS KALMII (PRAIRIE BROME): 13.68%
CAREX BREVIOR (PLAINS OVAL SEDGE): 6.84%
CAREX GRAYI (COMMON BUR SEDGE): 2.56%
CAREX VULPINOIDEA (BROWN FOX SEDGE): 5.13%
CHAMAECRISTA FASCICULATA (PARTRIDGE PEA): 6.84%
DALEA PURPUREA (PURPLE PRAIRIE CLOVER): 2.56%
JUNCUS EFFUSUS (COMMON RUSH): 1.71%
PENSTEMON HIRSUTUS (HAIRY BEARDTONGUE): 1.71%
SCHIZACHYRIUM SCOPARIUM (LITTLE BLUESTEM): 41.03%

DETENTION BASIN SEED MIX
SEEDING RATE: 3.19 LBS PER ACRE, 51 SEEDS PER SQUARE FOOT.
FOLLOWING PERCENTAGES LISTED BY WEIGHT OF PURE LIVE SEED:

BROMUS KALMII (PRAIRIE BROME): 19.61%
CAREX ANNECTENS (SM YELLOW FOX SEDGE): 11.76%
CAREX BREVIOR (PLAINS OVAL SEDGE): 19.61%
CAREX SPRENGELII (LONG-BEAKED SEDGE): 1.96%
ELEOCHARIS OBTUSA (BLUNT SPIKE RUSH): 1.96%
ELEOCHARIS PALUSTRIS (GREAT SPIKE RUSH): 1.96%
GLYCERIA CANADENSIS (RATTLESNAKE GRASS): 7.84%
JUNCUS DUDLEYI (DUDLEY'S RUSH): 1.96%
JUNCUS TENUIIS (PATH RUSH): 1.96%
POA PALUSTRIS (FOWL BLUEGRASS): 31.38%



NOTE:
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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C3 - LANDSCAPE
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

RESTORATION
PLAN

SHEET

C5-10



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CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

[illegible]

ORIGINAL ISSUE DATE	03/18/2022

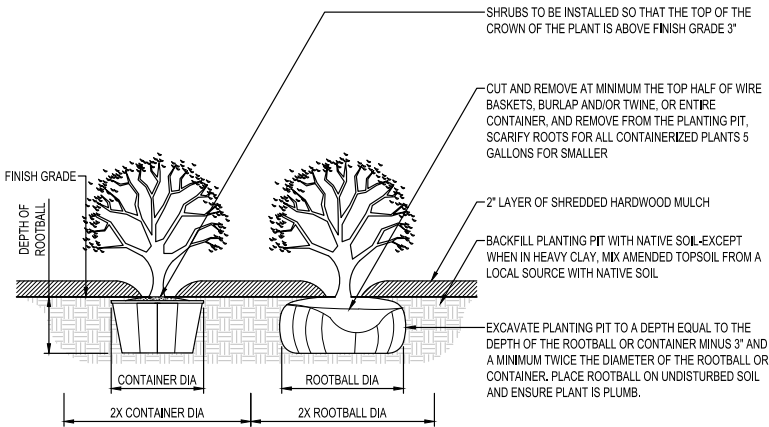
PLANTING PLAN

C5-20

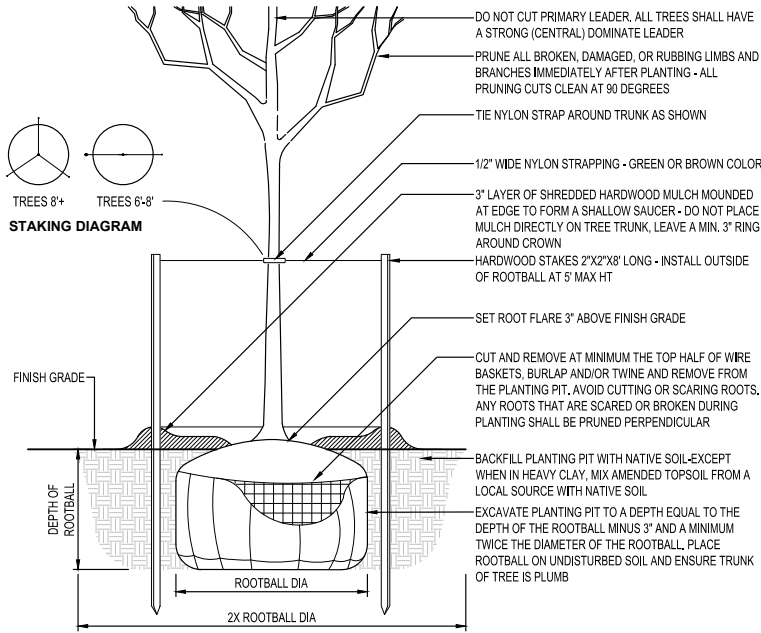
PERENNIALS	QTY	BOTANICAL / COMMON NAME	ROOT
CH	349	CAREX PENNSYLVANICA 'STRAW HAT' STRAW HAT PENNSYLVANIA SEDGE	1 GAL
EC	178	ECHINACEA X 'CHEYENNE SPIRIT' CHEYENNE SPIRIT CONEFLOWER	1 GAL
ES	90	ECHINACEA X 'SNOW CONE' WHITE CONEFLOWER	1 GAL
ES2	208	ECHINACEA X 'SUNSET' SUNSET CONEFLOWER	1 GAL
RM	83	RATIBIDA COLUMNIFERA 'MEXICAN HAT' PRAIRIE CONEFLOWER	1 GAL

1. COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
2. SAVE AND PROTECT ALL EXISTING TREES NOT NOTED TO BE REMOVED.
3. REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
4. FIELD STATE PLANTINGS ACCORDING TO PLAN. OWNER'S REPRESENTATIVE SHALL APPROVE ALL PLANT LOCATIONS PRIOR TO INSTALLATION. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANTING LAYOUT AT TIME OF INSTALLATION.
5. ALL PLANT MATERIALS SHALL BE TRUE TO THEIR SCIENTIFIC NAME AND SIZE AS INDICATED IN THE PLANT SCHEDULE.
6. IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
7. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
8. ALL PLANT MATERIALS MUST CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1), LATEST EDITION PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, WASHINGTON D.C., LARGER SIZE PLANT MATERIALS OF THE SPECIES LISTED MAY BE USED IF THE STOCK CONFORMS TO ANSI Z60.1.
9. ALL TREES SHALL HAVE A STRONG CENTRAL LEADER, ANY TREES DEEMED NOT TO HAVE A STRONG CENTRAL LEADER SHALL BE REJECTED.
10. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO CONSTRUCTION OPERATIONS, ANY AREAS THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
11. PROVIDE SHREDDED HARDWOOD MULCH SURROUNDING ALL PROPOSED TREES (5' Ø) AND WITHIN PLANTING BEDS TO A 3" MINIMUM DEPTH AS SHOWN IN TREE PLANTING DETAIL. DO NOT USE AN UNDERLAYMENT SUCH AS PLASTIC SHEET OR LANDSCAPE FABRIC, APPLY PRE-EMERGENT TO ALL PLANTING BEDS PRIOR TO MULCHING. REFER TO PLANS FOR ADDITIONAL DETAILS.
12. MULCHING MATERIAL SHALL BE SHREDDED HARDWOOD MULCH, WITH NO INDIVIDUAL PIECES LARGER THAN 3", FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS
13. INDICATED QUANTITIES ARE ESTIMATES AND SHALL BE CONFIRMED BY THE CONTRACTOR.

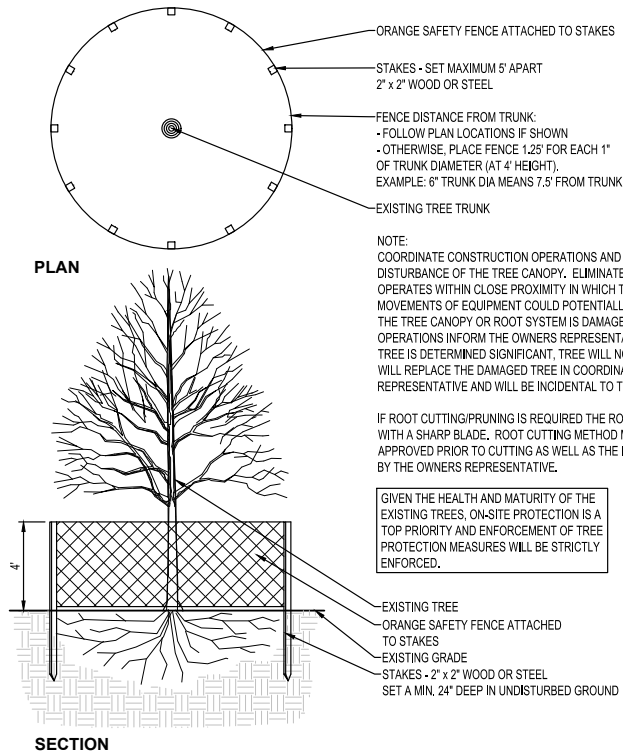




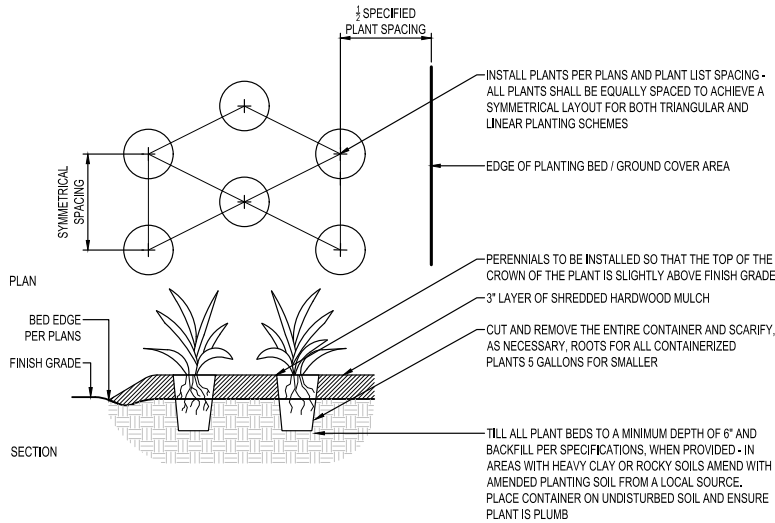
SHRUB PLANTING DETAIL
NTS



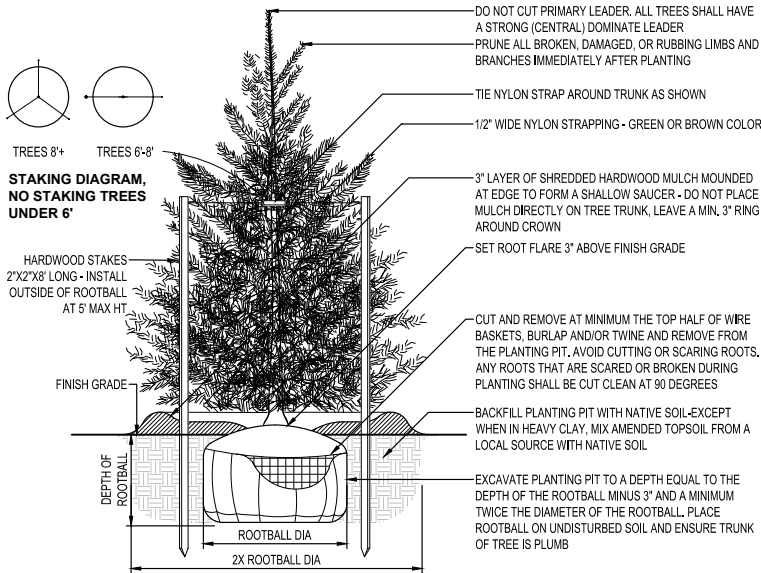
DECIDUOUS TREE PLANTING DETAIL
NTS



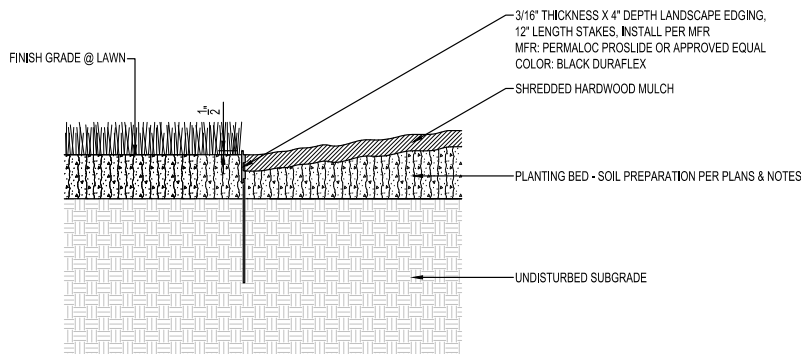
TREE PROTECTION FENCING
NTS



PERENNIAL PLANTING DETAIL
NTS



EVERGREEN TREE PLANTING DETAIL
NTS



LANDSCAPE EDGING DETAIL
NTS



CITY OF
GRIMES

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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 C3 - LANDSCAPE
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

PLANTING DETAILS

SHEET

C5-30

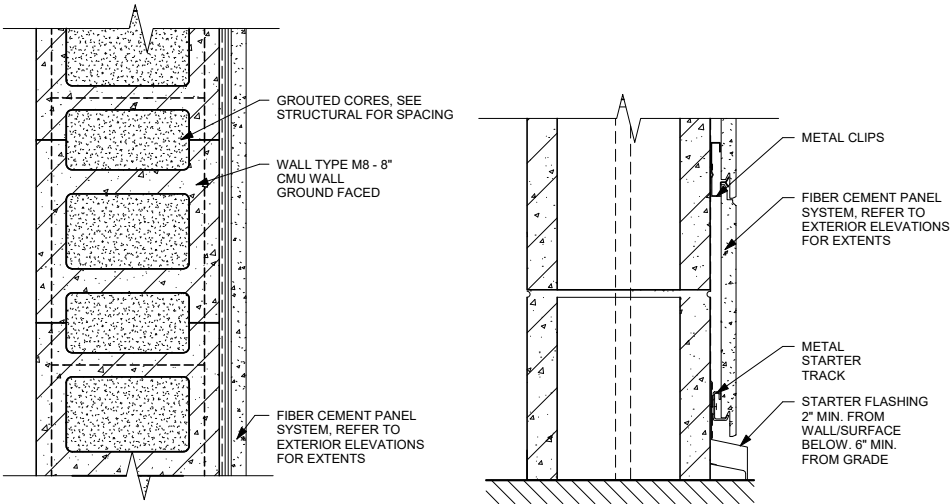


WALL ASSEMBLY KEY NOTES:

- NOT ALL KEY NOTES APPLY TO PROJECT. VERIFY WITH SPECIFIC WALL TYPE.
1. INCLUDE FIBERGLASS SOUND INSULATION.
 2. PROVIDE FIRE-RATED SEALANT AT WALL BASE, TOP, AND AROUND ALL PENETRATIONS. ENSURE SPECIFIC FIRE RATED ASSEMBLY REQUIREMENTS ARE MAINTAINED. TYPICAL BOTH SIDES OF WALL.
 3. REFER TO IBC CHAPTER 7, TABLE "MINIMUM EQUIVALENT THICKNESS OF BEARING OR NONBEARING CONCRETE MASONRY WALLS" FOR CALCULATED FIRE-RESISTANCE RATING.
 4. 2 HOUR FIRE RATED 8" CMU WALL ASSEMBLY REQUIRES GROUTED CELLS AT 40" OC MAXIMUM.
 5. INCLUDE PAINTABLE ACOUSTIC SEALANT AT WALL BASE AND TOP TERMINATIONS. TYPICAL BOTH SIDES OF WALL (WHERE APPLICABLE).
 6. PROVIDE DOUBLE TOP PLATES AT ALL LOAD BEARING WALLS.
 7. WOOD FRAMING MEMBERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
 8. PROVIDE 1" GAP FOR DEFLECTION ALLOWANCE BETWEEN WALL FINISH / SUBSTRATE AND STRUCTURE ABOVE. TYPICAL UNLESS NOTED OTHERWISE ON STRUCTURAL DOCUMENTS.

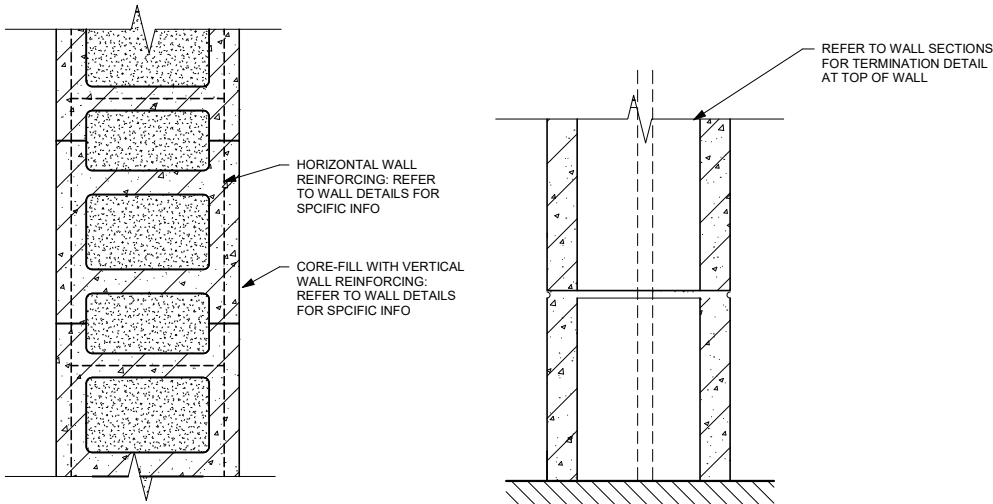
GENERAL WALL ASSEMBLY NOTES:

- A. NOT ALL WALL TYPES LISTED APPLY TO THIS PROJECT. REFER TO FLOOR PLAN FOR LOCATIONS AND ADDITIONAL NOTES.
- B. REFERENCE FLOOR FINISH PLANS AND WALL FINISH PLANS FOR ADDITIONAL FINISHES NOT INDICATED ON PARTITION TYPES.
- C. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF WALL PENETRATIONS. SEAL ALL OPENINGS WITH ACOUSTICAL SEALANT.
- D. REFER TO STRUCTURAL DOCUMENTS FOR SHEAR WALL CRITERIA.



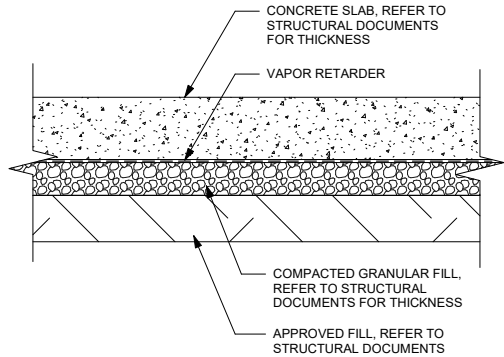
PLAN		TOP / BOTTOM		
WALL TYPE	BLOCK SIZE (NOMINAL WIDTH AND HEIGHT)	CALCULATED FIRE RATING	REINFORCING	KEY NOTES
E	8x8		REFER TO STRUCTURAL	8

1 WALL TYPE E (EXTERIOR WALL)
3" = 1'-0"

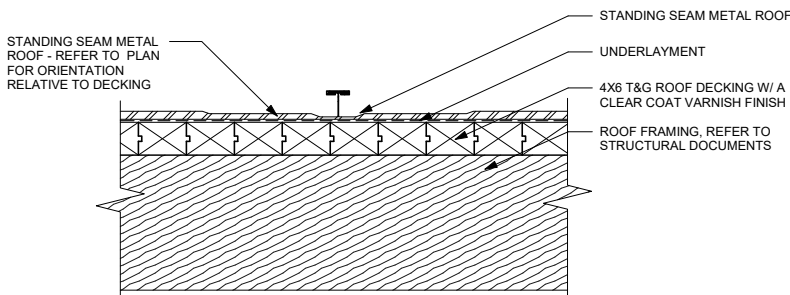


PLAN		TOP / BOTTOM		
WALL TYPE	BLOCK SIZE (NOMINAL WIDTH AND HEIGHT)	CALCULATED FIRE RATING	REINFORCING	KEY NOTES
M	8x8		REFER TO STRUCTURAL	8

2 WALL TYPE M (NON-RATED MASONRY)
3" = 1'-0"



3 FLOOR ASSEMBLY - F1
3" = 1'-0"



4 ROOF ASSEMBLY - R1
3" = 1'-0"

GENERAL CODE DATA

ADOPTED CODES:

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL FIRE CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 UNIFORM PLUMBING CODE
- 2020 NATIONAL ELECTRICAL CODE

2018 INTERNATIONAL BUILDING CODE INFORMATION

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION

UTILITY AND MISCELLANEOUS (GROUP U)

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

GROUP U, SINGLE STORY, NON-SPRINKLED, TYPE V-B CONSTRUCTION

ALLOWABLE HEIGHT: 40FT ALLOWED > 20' ACTUAL

ALLOWABLE AREA: 5,500 SF ALLOWED > 3000 SF ACTUAL

CHAPTER 6 - TYPES OF CONSTRUCTION

TYPE V-B CONSTRUCTION

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 Arch R22
DRAWN BY	CGR
DESIGNED BY	AMB
REVIEWED BY	AMB
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

TITLE

WALL TYPES AND
NOTES

SHEET

A1-01



KEYNOTE LEGEND	
3	COLUMN, REFER TO STRUCTURAL DOCUMENTS
9	BEAM, REFER TO STRUCTURAL DOCUMENTS TYP
13	EXPOSED 4X8 T&G ROOF DECKING, CLEAR VARNISH FINISH ON UNDERSIDE
22	LIGHT FIXTURE, REFER TO ELECTRICAL DOCUMENTS FOR MATERIAL



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

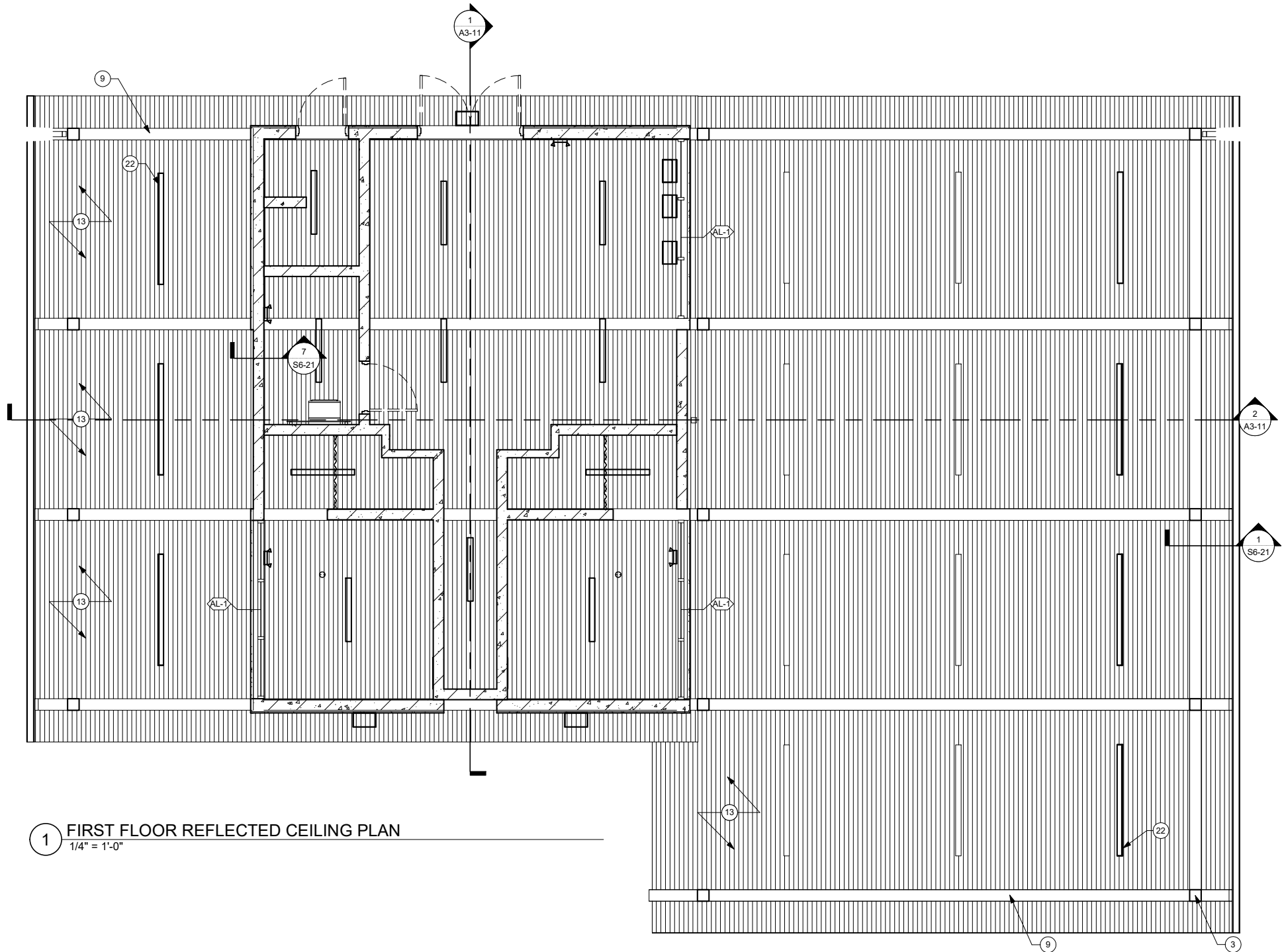
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DRAWN BY	CGR
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ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

TITLE
FIRST FLOOR
REFLECTED
CEILING PLAN

SHEET

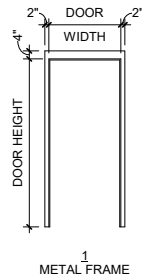
A1-31



1 FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

DOOR SCHEDULE									
MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HW Set	COMMENTS
102	CHEM. STORAGE	3' - 0"	7' - 0"	FL	HOLLOW METAL	1	HOLLOW METAL		
103	MECH.	6' - 4"	7' - 0"	FL	HOLLOW METAL	1	HOLLOW METAL		
103a	ELEC.	3' - 0"	7' - 0"	FL	HOLLOW METAL	1	HOLLOW METAL		

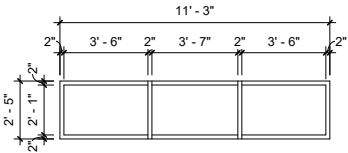
FRAME TYPES



DOOR TYPES



GLAZING SCHEDULE			
MARK	MATERIAL	THICKNESS	COMMENTS
AL-1	SEMI-TRANSPARENT GLAZING	1/4"	SAND BLASTED OR SEMI-TRANSPARENT FILM ON INTERIOR SURFACE OF GLASS

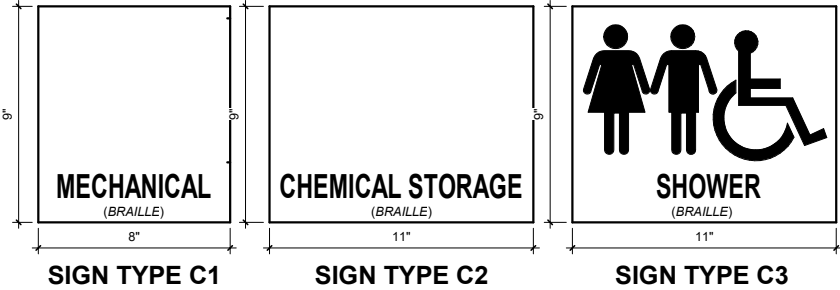


4 AL-1
1/4" = 1'-0"

SIGNAGE GENERAL NOTES

- A. SIGNAGE TYPES SUPPLIED AS A BASIS OF DESIGN. ALL REGULATORY SIGNAGE SHALL COMPLY WITH ADAAG STANDARDS. CONFIRM FINAL SELECTIONS AND SPECIFICATIONS WITH SIGNAGE CONTRACTOR PRIOR TO ORDER/INSTALL.
- B. SIGN BACKERS REQUIRED ON ALL SIGNS MOUNTED TO GLASS

REGULATORY SIGNAGE



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

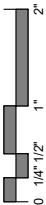
PROJECT NO.	21-25768
FILE NAME	25768 Arch R22
DRAWN BY	CGR
DESIGNED BY	AMB
REVIEWED BY	AMB
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CLIENT PROJECT NO.	

TITLE

SIGNAGE DETAILS
& SCHEDULE

SHEET

A1-69





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PROJECT

CITY OF GRIMES
WATERWORKS
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TITLE

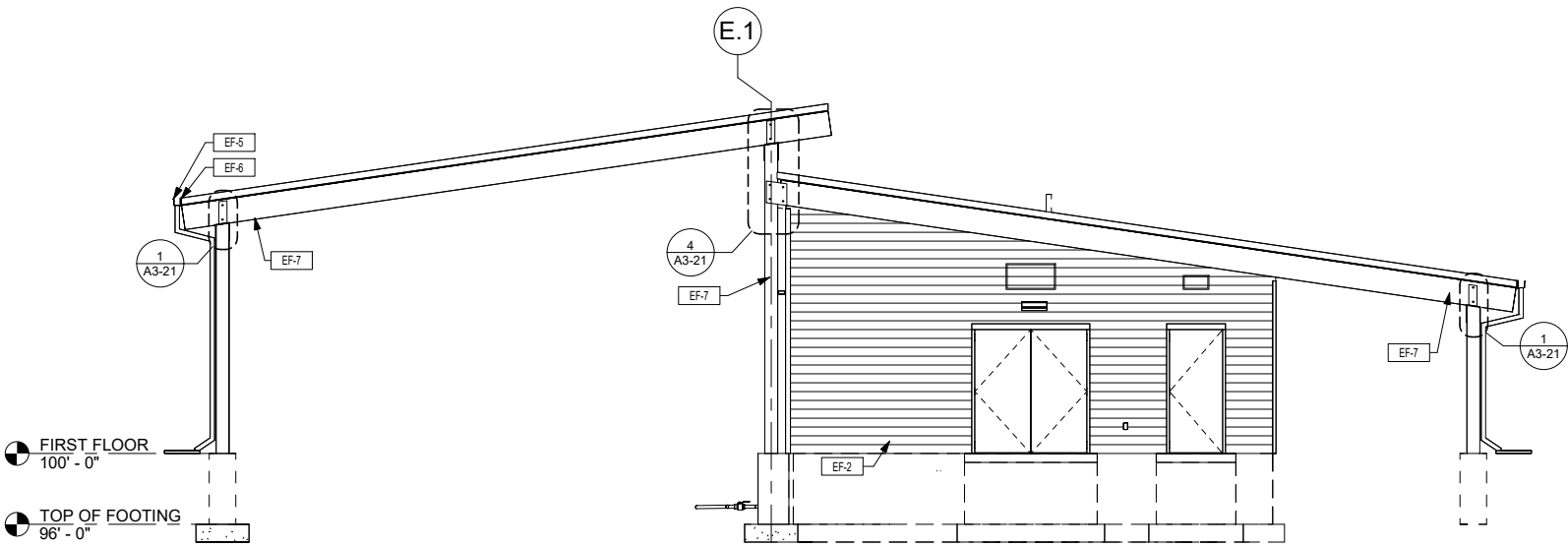
EXTERIOR
ELEVATIONS

SHEET

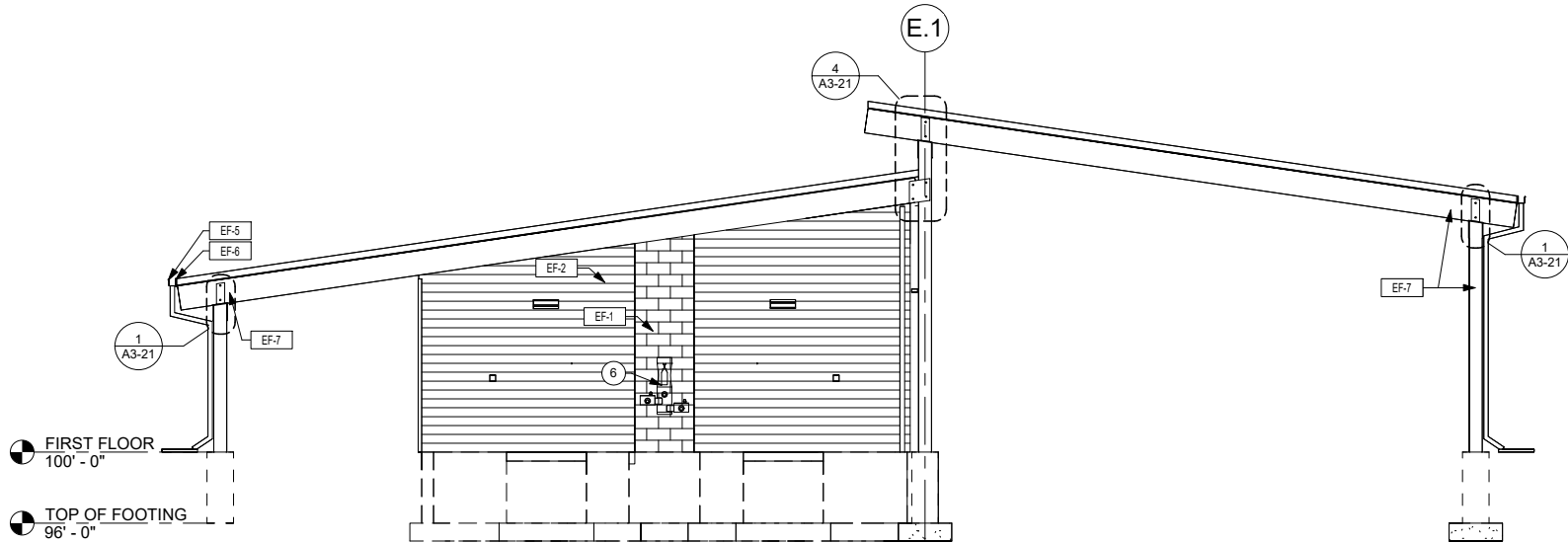
A2-11

EXTERIOR FINISH SCHEDULE

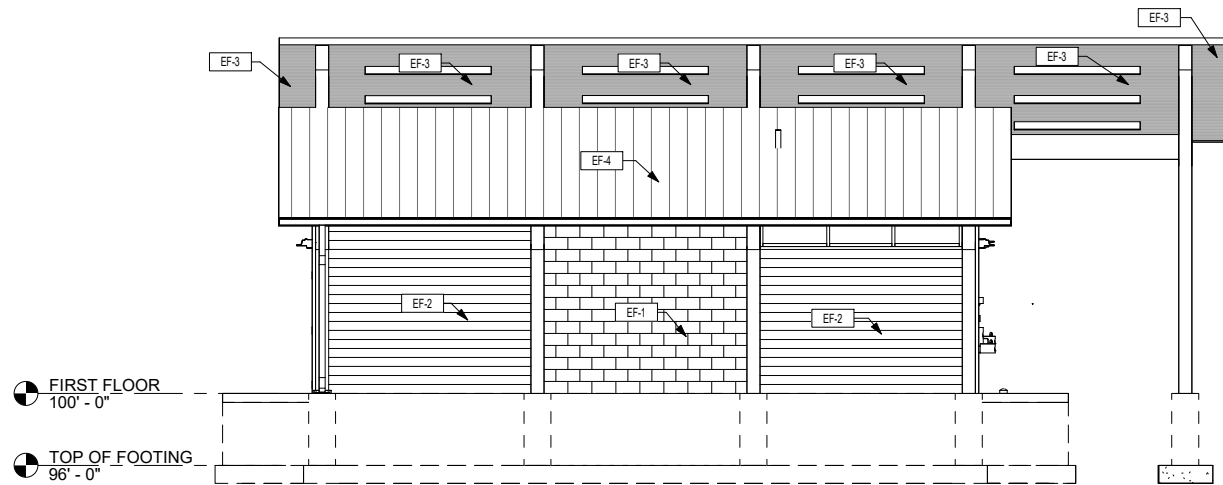
MARK	MATERIAL TYPE	MANUFACTURER	MODEL / SIZE	COLOR	ADDITIONAL INFORMATION	COMMENTS
EF-1	GROUND Faced CMU	AMCON/AMSTONE	8X16	795 BUFF KASOTA	WATER REPELLENT	UTILIZE @ INTERIOR APPLICATIONS AS WELL
EF-2	FIBER CEMENT WALL PANEL	NICHIHA	VINTAGEWOOD	REDWOOD	PREFINISHED OUTSIDE CORNERS	HORIZONTAL ORIENTATION
EF-3	T & G WOOD DECKING		SEE STRUCT.	CLEAR MARINE SPAR VARNISH		
EF-4	STANDING SEAM METAL PANEL	FIRESTONE	INDUSTRIAL GUTTER SYSTEM FS-1	MATTE BLACK		SNOW GUARDS
EF-5	PREFINISHED METAL GUTTER AND DOWNSPOUT	FIRESTONE	INDUSTRIAL GUTTER SYSTEM FS-1	MATTE BLACK		6"X6"
EF-6	PREFINISHED METAL FASCIA	FIRESTONE	UNA-EDGE VARIOUS HEIGHTS	MATTE BLACK		
EF-7	GLU-LAM BEAM/COLUMN		SEE STRUCT.	CLEAR MARINE SPAR VARNISH		MATTE BLACK PAINTED GUSSET PLATES



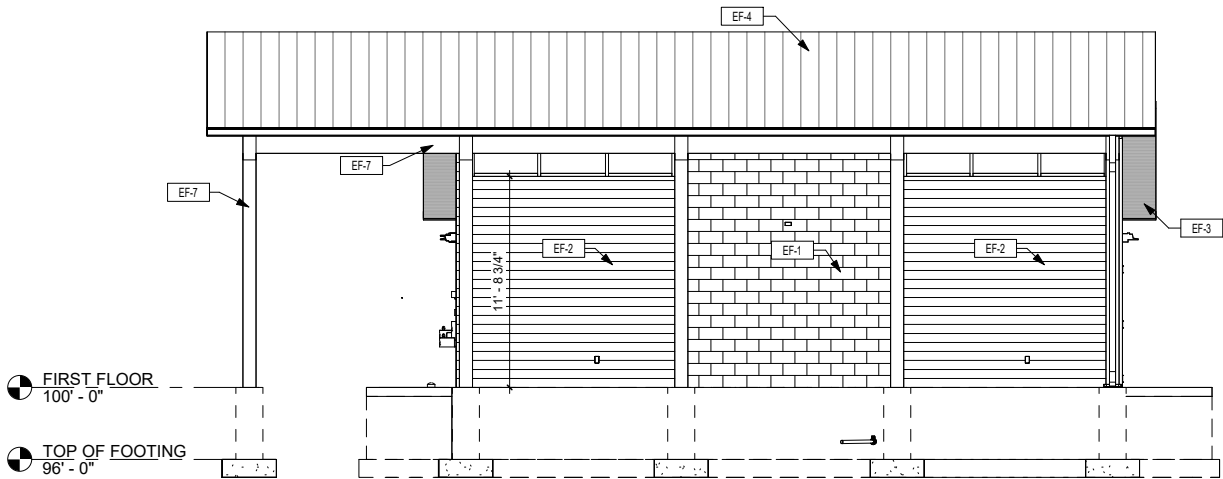
1 NORTH ELEVATION
3/16" = 1'-0"



2 SOUTH ELEVATION
3/16" = 1'-0"



3 WEST ELEVATION
3/16" = 1'-0"



4 EAST ELEVATION
3/16" = 1'-0"



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

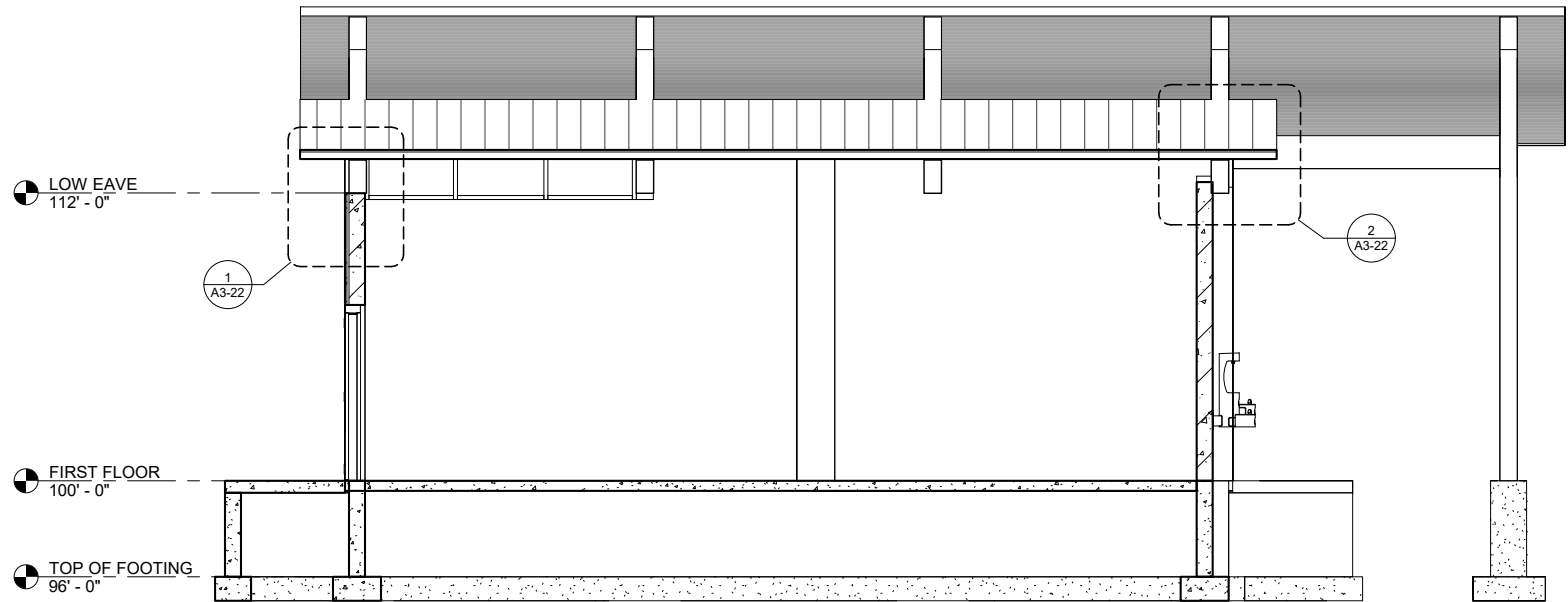
GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

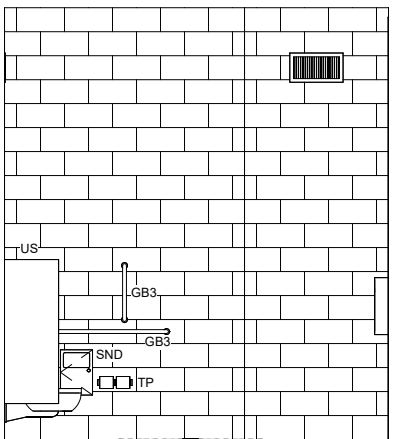
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TITLE
BUILDING
SECTIONS &
INTERIOR
ELEVATIONS

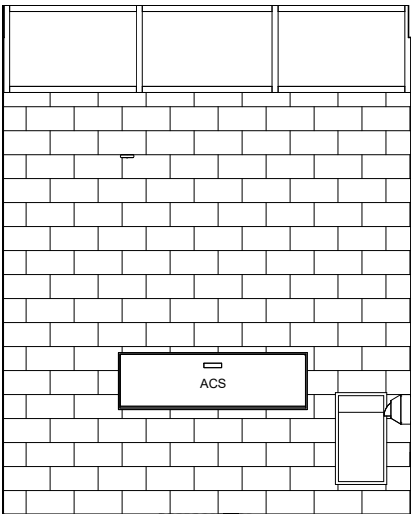
SHEET
A3-11



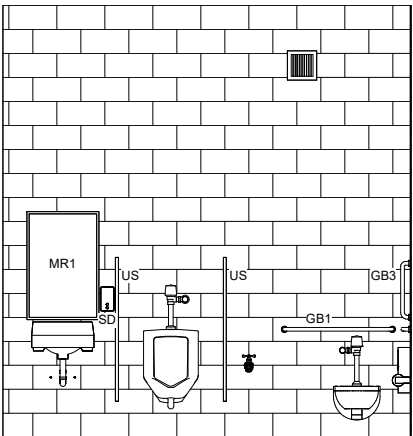
1 NORTH/SOUTH SECTION
1/4" = 1'-0"



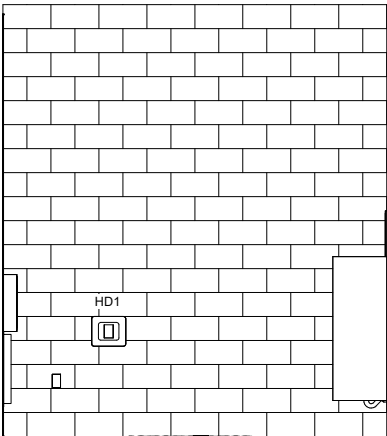
3 101 RR/SHOWER - NORTH
3/8" = 1'-0"



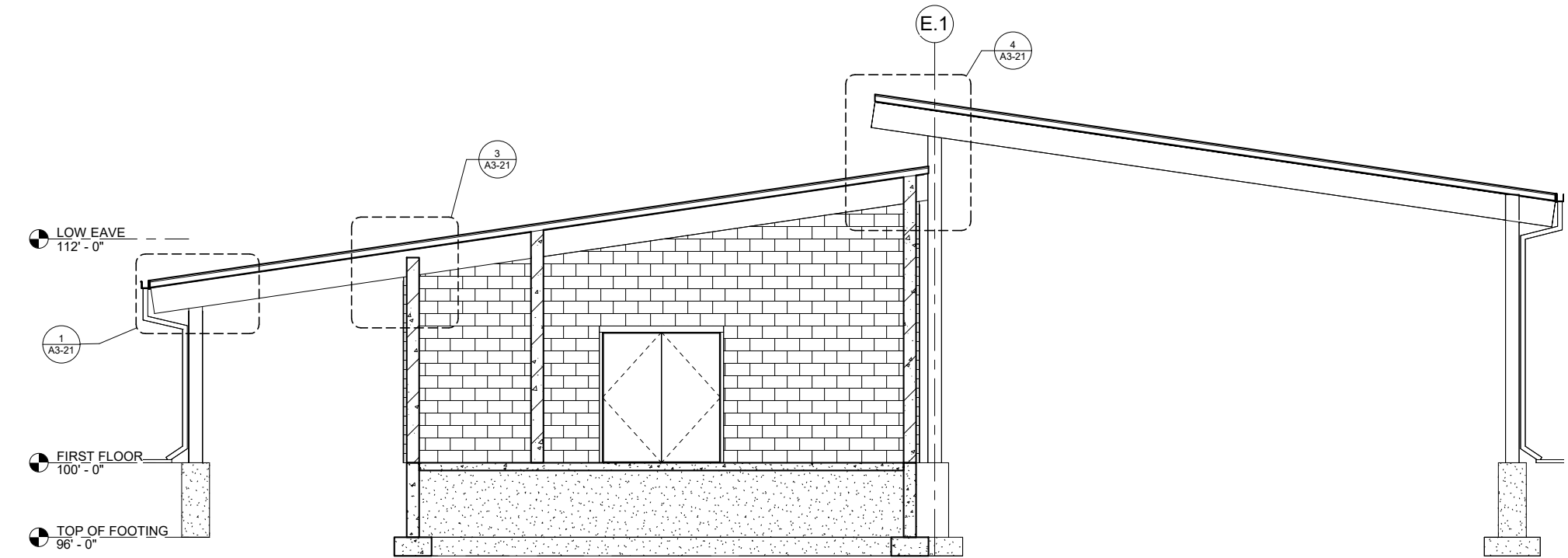
4 101 RR/SHOWER - EAST
3/8" = 1'-0"



5 101 RR/SHOWER - WEST
3/8" = 1'-0"



6 101 RR/SHOWER - SOUTH
3/8" = 1'-0"



2 EAST/WEST SECTION
1/4" = 1'-0"





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PROJECT

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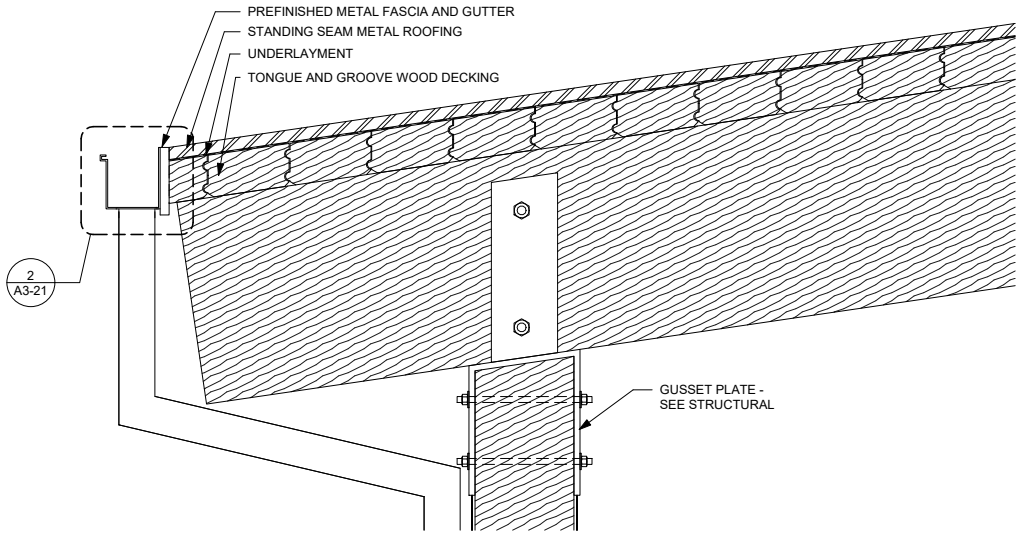
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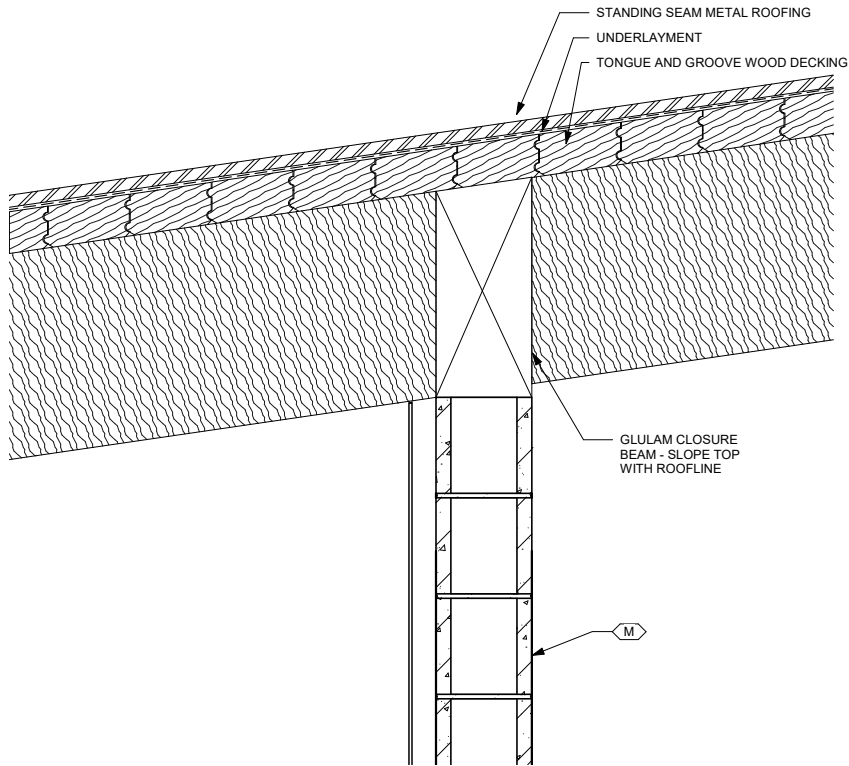
SECTION VIEWS

SHEET

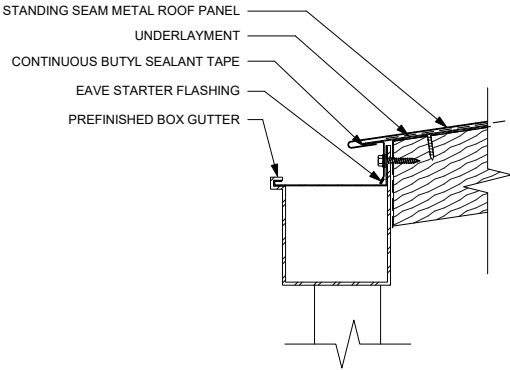
A3-21



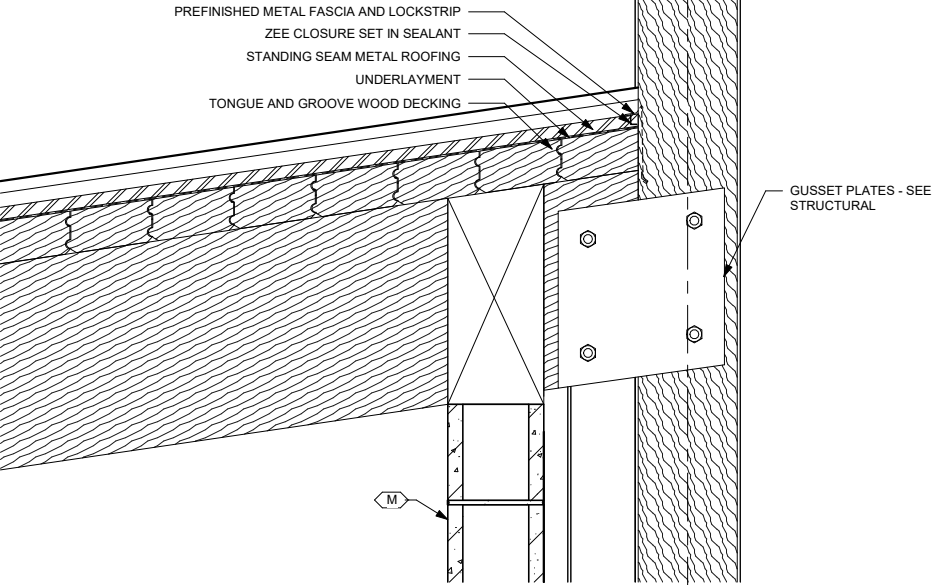
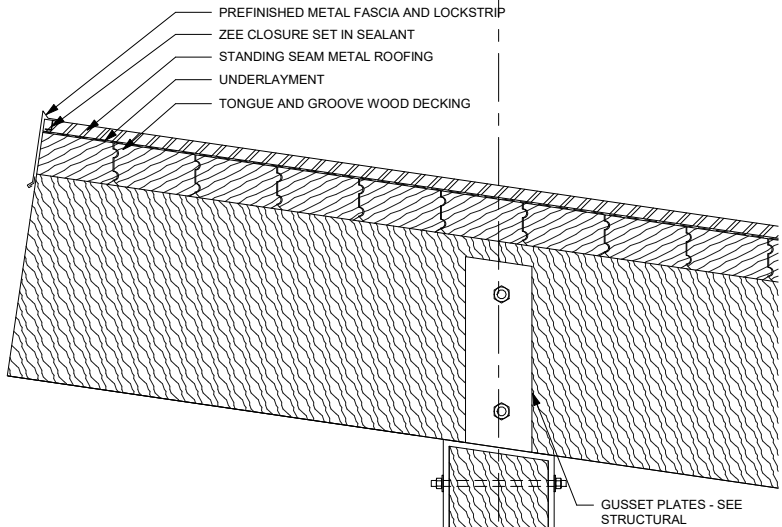
1 EAST/WEST SECTION - Callout 1
1 1/2" = 1'-0"



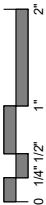
3 EAST/WEST SECTION - Callout 4
1 1/2" = 1'-0"

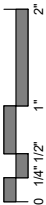


2 SECTION AT GUTTER
3" = 1'-0"



4 EAST/WEST SECTION - Callout 2
1 1/2" = 1'-0"





GENERAL NOTES

- A. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THESE STANDARD STRUCTURAL NOTES. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE.
- B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK; AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED, IN WRITING, OF ANY DISCREPANCIES.
- C. IN NO CASE SHALL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DRAWINGS.
- D. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF UTILITY SERVICES IN THE AREA TO BE EXCAVATED BEFORE BEGINNING EXCAVATION.
- E. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS OR WALLS, NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC.
- F. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING AND BRACING OF EXISTING STRUCTURAL ELEMENTS DURING CONSTRUCTION. ALL SHORING SHALL BE ADEQUATE TO SUPPORT ALL STRUCTURAL LOADS DURING THE REMOVAL OF THE EXISTING STRUCTURE. TEMPORARY SHORING MUST REMAIN IN PLACE UNTIL ALL NEW STRUCTURAL ELEMENTS ARE SECURED INTO PLACE PER CONSTRUCTION DOCUMENTS.
- G. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR REQUIREMENTS, DIMENSIONS AND EXACT LOCATIONS OF FLOOR DRAINS, TRENCHES, DRAIN TILE, PUMPS AND EQUIPMENT INCLUDING ANCHORING SYSTEMS AND HOUSEKEEPING PADS. GENERAL CONTRACTOR TO COORDINATE ALL OF THESE ITEMS WITH ALL DISCIPLINES INVOLVED.
- H. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND MANUALS (LATEST ADOPTED EDITION):
1. STATE BUILDING CODE, WHEN APPLICABLE.
 2. INTERNATIONAL BUILDING CODE (IBC).
 3. AMERICAN CONCRETE INSTITUTE (ACI).
 4. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) MANUAL OF STANDARD PRACTICE (FOR PLACING AND DETAILING OF ALL REINFORCING).
 5. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
 6. AMERICAN WELDING SOCIETY (AWS) STANDARDS FOR WELDING AS MODIFIED BY AISC SPECIFICATION.
 7. MASONRY STANDARDS JOINT COMMITTEE (MSJC).
 8. AMERICAN FOREST & PAPER ASSOCIATION NATIONAL DESIGN SPECIFICATION (AF & PA NDS)

DESIGN LOADS CRITERIA

- A. CODES USED:
1. 2018 INTERNATIONAL BUILDING CODE
 2. 2016 AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD 7 (ASCE 7-16)
- B. RISK CATEGORY: II
- C. WIND LOAD CRITERIA:
1. BASIC DESIGN WIND SPEED, V = 110 MPH (3 SECOND GUST)
 2. ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd} = 90 MPH (3 SECOND GUST)
 3. WIND LOAD EXPOSURE: C
 4. INTERNAL PRESSURE COEFFICIENT: +/- 0.55 (PARTIALLY ENCLOSED BUILDING)
 5. WIND TOPOGRAPHIC FACTOR: K_{zt} = 1.0
 6. C & C WIND WALL PRESSURE: REFER TO COMPONENT AND CLADDING WIND PRESSURE TABLE
 7. WIND NET UPLIFT: 15 PSF (NOMINAL)
- D. SNOW LOAD CRITERIA:
1. GROUND SNOW LOAD, P_g = 30 PSF
 2. FLAT-ROOF SNOW LOAD (BALANCED), P_f = 24 PSF
 3. SNOW LOAD IMPORTANCE FACTOR, I_s = 1.0
 4. SLOPE FACTOR, C_s = 1.0
 5. THERMAL FACTOR, C_t = 1.0
 6. SNOW EXPOSURE FACTOR, C_e = 1.0
 7. UNBALANCED SNOW LOAD, ON PLAN IF APPLICABLE
 8. DRIFT SURCHARGE LOADS, P_d: ON PLAN IF APPLICABLE
 9. WIDTH OF SNOW DRIFT(s), w: ON PLAN IF APPLICABLE
- E. EARTHQUAKE LOAD CRITERIA
1. SEISMIC IMPORTANCE FACTOR: I_e = 1.0
 2. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 - S_s = 6.0% g
 - S₁ = 5.0% g
 3. SOIL SITE CLASS: D
 4. SPECTRAL RESPONSE COEFFICIENT:
 - S_{DS} = 0.064
 - S_{D1} = 0.081
 5. SEISMIC DESIGN CATEGORY = A
 6. SEISMIC FORCE RESISTING SYSTEM: ORDINARY MASONRY SHEAR WALLS
- F. LIVE LOADS
1. ROOF: 20 PSF
 2. FLOOR: 100 PSF
- G. DEAD LOADS
1. ROOF: 15 PSF
 2. FRAMING: ACTUAL
- H. RAIN LOAD DATA
1. RAIN INTENSITY, i: 3 IN/HR

ALUMINUM

- A. ALUMINUM SHALL BE TYPE 6061 OR TYPE 6063 FOR PIPE.
- B. ALUMINUM SHALL BE PAINTED WHERE LOCATED IN CORROSIVE CONDITIONS.
- C. WHERE IN CONSTANT DIRECT CONTACT WITH DISSIMILAR MATERIALS, IT SHALL BE SEPARATED WITH A NON-POROUS ISOLATOR.
- D. WELDING SHALL COMPLY WITH THE AWS D1.2 STRUCTURAL WELDING CODE - ALUMINUM. FILLER ALLOYS SHALL MEET AWS 5.10.
- E. ALL WELDERS SHALL BE AWS CERTIFIED.

CONCRETE MASONRY

- A. FURNISH AND CONSTRUCT MASONRY IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES AND COMMENTARY AS REPORTED BY MSJC (TMS 402 & 602 / ACI 530 & 530.1 / ASCE 5 & 6).

MASONRY MATERIAL STRENGTHS		
LOCATIONS	TYPE	MINIMUM STRENGTH
HOLLOW CONCRETE MASONRY	NORMAL WEIGHT ASTM C90 GRADE N	f _c = 2,150 PSI
MASONRY CORE AND BOND BEAMS	CONCRETE FILL, ASTM C476	f _g = 2,000 PSI
EXTERIOR AND LOAD-BEARING WALLS, WALLS EXPOSED TO EARTH BELOW GRADE	TYPE M MORTAR, ASTM C270	f _m = 2,500 PSI
LOAD-BEARING WALLS ABOVE GRADE	TYPE S MORTAR, ASTM C270	f _m = 1,800 PSI
INTERIOR NON-LOAD-BEARING WALLS	TYPE N MORTAR, ASTM C270	f _m = 750 PSI
STEEL DEFORMED REINFORCEMENT	ASTM A615, GRADE 60	F _y = 60,000 PSI
STEEL DEFORMED REINFORCEMENT FOR WELDING	ASTM A706	F _y = 60,000 PSI
JOINT REINFORCEMENT	LADDER TYPE, HOT-DIPPED GALVANIZED, ASTM A951/A153	F _y = 70,000 PSI
WIRE REINFORCEMENT FOR CMU	W1.7 (9 GAGE), HOT-DIPPED GALVANIZED, ASTM A82/A153	F _y = 75,000 PSI

- B. CONCRETE MASONRY WALLS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF f_m = 2,000 PSI.
- C. SEE PLANS FOR LOCATION OF REINFORCED WALLS.
- D. MINIMUM VERTICAL REINFORCEMENT SHALL CONSIST OF (1) #5 BAR PROVIDED AT CORNERS, WITHIN 16" OF EACH SIDE OF OPENINGS, WITHIN 8" OF EACH SIDE OF MOVEMENT JOINTS, WITHIN 8" OF THE ENDS OF WALLS, AND AT A MAXIMUM SPACING OF 48" ON-CENTER, UNLESS NOTED OTHERWISE.
- E. HORIZONTAL REINFORCEMENT SHALL ALSO BE PROVIDED AT THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 48 BAR DIAMETERS PAST THE OPENINGS, CONTINUOUSLY AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS, AND WITHIN 16" OF THE TOP OF WALLS.
- F. CLEAR DISTANCE BETWEEN PARALLEL REINFORCEMENT SHALL NOT BE LESS THAN 2.5 x BAR DIAMETER.
- G. CONNECTION OF INTERSECTING WALLS SHALL CONSIST OF REINFORCED BOND BEAMS WITH (2) #5 HORIZONTAL REINFORCEMENT AT 48" ON-CENTER MAXIMUM, AND (1) #5 VERTICAL REINFORCEMENT WITHIN 12" OF INTERSECTING WALLS, UNLESS NOTED OTHERWISE.
- H. VERTICAL STEEL SHALL BE CONTINUOUS WITH 24" LAP AT SPLICES, UNLESS NOTED OTHERWISE.
- I. HORIZONTAL JOINT REINFORCEMENT SHALL BE CONTINUOUS WITH 8" LAP SLICES, WHERE USED.
- J. CONCRETE BLOCK WALL LINTELS:
1. EXTEND ALL LINTELS A MINIMUM OF 8" BEYOND EACH EDGE OF OPENING. WHERE LINTEL BEARS ON CONCRETE BLOCK, FILL TWO COURSES OF BLOCK MINIMUM WITH CONCRETE.
- K. WALL CONSTRUCTION SHALL NOT EXCEED HEIGHTS OF 4'-8" BEFORE PLACEMENT OF CORE GROUT UNLESS CLEANOUT HOLES ARE PROVIDED AT THE BOTTOM OF EACH GROUT LIFT, THEN A MAXIMUM HEIGHT OF 8'-0" BEFORE PLACEMENT OF CORE GROUT.
- L. SEE PLANS FOR SIZE AND LOCATION OF CONDUITS, PIPES, AND SLEEVES THROUGH MASONRY WALLS.
- M. FOLLOW COLD WEATHER CONSTRUCTION WHEN AMBIENT AIR TEMPERATURE IS BELOW 40° F.
- N. FOLLOW HOT WEATHER CONSTRUCTION PROCEDURES WHEN AMBIENT AIR TEMPERATURE EXCEEDS 90° F WITH WIND VELOCITY GREATER THAN 8 MPH.
- O. ALL VISIBLE, NON-VISIBLE, ABOVE-GRADE AND BELOW-GRADE JOINTS SHALL BE TOOLED IN A CONCAVE CONFIGURATION UNLESS SPECIFIED OTHERWISE BY ARCHITECT.

SHOP DRAWINGS

- A. SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR APPROVAL. SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR ITS PREPARATION, WHO IS REGISTERED IN THE STATE WHICH THE PROJECT IS LOCATED.
- B. PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS AND MAKE ANY CORRECTIONS REQUIRED. THE CONTRACTOR SHALL STAMP AND SIGN THE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER.
- C. THE ENGINEER'S REVIEW OF SHOP DRAWINGS IS FOR GENERAL CONFORMANCE OF THE DESIGN CONCEPT. CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTALS THAT IS ACCEPTABLE TO BOTH CONTRACTOR AND ENGINEER. AFTER THE CONTRACTOR HAS REVIEWED THE SHOP DRAWINGS, PROMPT REVIEW BY THE ENGINEER WILL BE MADE OF ALL SUBMITTALS.
- D. FOR LARGE SUBMITTALS, REASONABLE REVIEW TIME SHALL BE ALLOWED AND MAY EXCEED TWO WEEKS. THE CONTRACTOR SHALL SUBMIT NECESSARY REQUEST FOR INFORMATION (RFIs) DURING THE DETAILING PROCESS TO AVOID SUBMITTALS THAT ARE INCOMPLETE OR NEED SIGNIFICANT VERIFICATIONS. THE CONCURRENT SUBMITTAL OF MULTIPLE SHOP DRAWINGS ("DUMPING") WILL FURTHER EXTEND THE REVIEW PROCESS AND TIME FRAME NECESSARY TO PROPERLY REVIEW EACH SUBMITTAL.
- E. UNLESS INDICATED OTHERWISE, THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE FOLLOWING ITEMS FOR STRUCTURAL REVIEW. REFER TO SPECIFIC SECTION OF STRUCTURAL NOTES FOR ANY ADDITIONAL CRITERIA:
1. CONCRETE MIX DESIGNS
 2. ADDITIONAL STRUCTURAL SHOP DRAWINGS REQUESTED IN THE SPECIFICATIONS
- F. A COPY OF ALL SHOP DRAWINGS SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- G. SHOP DRAWINGS SHALL INCLUDE COMPLETE DETAIL SCHEDULES, PROCEDURES, AND DIAGRAMS FOR FABRICATION AND ASSEMBLY OF STRUCTURAL MEMBERS AND SUBMIT PRIOR TO FABRICATION.
- H. ERECTION PLANS ARE THE RESPONSIBILITY OF THE FABRICATOR.

CONCRETE

- A. CONCRETE SHALL BE STANDARD WEIGHT MIX UNLESS NOTED OTHERWISE AND MEET THE FOLLOWING CRITERIA:

LOCATIONS	f _c @ 28 DAYS	AIR ENTRAINMENT	MAX. WATER/CEMENT RATIO
FOOTINGS / FOUNDATIONS	4000 PSI	6% ± 1.5%	0.50
FLOORS ON GRADE	4000 PSI		0.50
EXTERIOR SLABS ON GRADE	4500 PSI	6% ± 1.5%	0.45

- B. CEMENT SHALL CONFORM TO ASTM C150, TYPE I / II.
- C. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
- D. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 (LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THESE NOTES.
- E. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES SHALL COMPLY WITH ASTM C494 AND BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE, BUT SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).
- F. CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR APPROVAL 10 DAYS PRIOR TO FABRICATION AND INSTALLATION. ALL CONCRETE MIXES SHALL BE DESIGNED AND CERTIFIED BY A MATERIALS TESTING COMPANY.
- G. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS DETAILED OR NOTED OTHERWISE.
- H. PLACE 15 MIL VAPOR RETARDER OR VAPOR BARRIER DIRECTLY BELOW FLOOR SLAB.
- I. CONCRETE FLOOR SHALL BE CURED IN ACCORDANCE WITH ASTM C309. CONCRETE FLOOR SHALL BE PROTECTED FROM MOISTURE LOSS FOR A MINIMUM OF 14 DAYS, USING AN APPROVED SHEET MEMBRANE IN ACCORDANCE WITH C171.
- J. FLOOR FLATNESS AND LEVELNESS TOLERANCES:
1. UNLESS NOTED OTHERWISE, FLOORS SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES:
 - a. FLOOR FLATNESS NUMBER (F_f)
 - SPECIFIED OVERALL VALUE = 20
 - MINIMUM LOCAL VALUE = 15
 - b. FLOOR LEVELNESS NUMBER (F_l)
 - SPECIFIED OVERALL VALUE = 20
 - MINIMUM LOCAL VALUE = 15
 2. FLOOR TOLERANCE (F_f AND F_l) MEASUREMENTS SHALL BE TESTED IN ACCORDANCE WITH ASTM E 1155. ACTUAL OVERALL F-NUMBERS SHALL BE CALCULATED USING THE INFERIOR / SUPERIOR AREA METHOD.
 3. CORRECT DEFECTIVE SLABS BY GRINDING OR REMOVING AND REPLACING DEFECTIVE WORK. RE-MEASURE CORRECTED AREAS BY THE SAME PROCESS.

ANCHOR BOLTS

- A. ALL ANCHOR RODS SHALL BE SUPPLIED AND INSTALLED BY THE CONCRETE CONTRACTOR, UNLESS NOTED OTHERWISE.
- B. ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 HEX-HEAD, UNLESS NOTED OTHERWISE. NUTS SHALL BE ASTM A563 GRADE A HEAVY HEX. OVER-SIZED PLATE WASHERS SHALL BE ASTM A36.
- C. ALL ANCHOR RODS SHALL BE SET WITH TEMPLATES.
- D. POST-INSTALLED ANCHORS SHALL BE ADHESIVE ANCHORING SYSTEM PROVIDED AND INSTALLED BY FRAMING CONTRACTOR. ADHESIVE ANCHORS SHALL BE "HILTI HIT-HY 200 ADHESIVE ANCHOR SYSTEM" OR APPROVED ALTERNATE. ANCHORS SHALL BE "HILTI HAS-E" THREADED ROD CONFORMING TO ISO 888-1 CLASS 5.8 OR SHALL BE MADE FROM ALL-THREADED ROD CONFORMING TO ASTM A572 GRADE 60, OR APPROVED ALTERNATE, UNLESS NOTED OTHERWISE.

REINFORCING STEEL

- A. BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

- B. MINIMUM DEVELOPMENT LENGTH OF REINFORCING BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE.

MINIMUM LENGTH FOR STANDARD UN-COATED BARS IN NORMAL WEIGHT CONCRETE						
CONCRETE STRENGTH f _c IN PSI	DEVELOPMENT LENGTH (L _d) FOR STRAIGHT BARS (MIN. OF 12 INCHES)					
	TENSION CLASS A		TENSION CLASS B		COMPRESSION	FOR 90 DEGREE HOOKED BARS, HOOK DEVELOPMENT LENGTH
	#6 AND SMALLER	#7 TO #11	#6 & SMALLER	#7 TO #11	#18, #14, & #11 AND SMALLER	
3000	44 Db	55 Db	57 Db	71 Db	30 Db	22 Db
3500	41 Db	51 Db	53 Db	66 Db	30 Db	20 Db
4000	38 Db	47 Db	49 Db	62 Db	30 Db	19 Db
4500	36 Db	45 Db	47 Db	58 Db	30 Db	18 Db
5000	34 Db	42 Db	44 Db	55 Db	30 Db	17 Db

NOTE: Db = DIAMETER OF REINFORCEMENT. L_d = DEVELOPMENT LENGTH

- C. TYPICAL SPLICES: CLASS B AS DEFINED IN ACI 318, UNLESS NOTED OTHERWISE
- D. ADJUSTMENT FACTORS FOR STRAIGHT BARS IN TENSION
1. LIGHTWEIGHT CONCRETE = 1.3.
 2. EPOXY COATED = 1.2
 3. EPOXY COATED WITH COVER LESS THAN 3DB OR CLEAR SPACING LESS THAN 6 DB = 1.5.
 4. HORIZONTAL "TOP" BARS WITH 12" OF CONCRETE CAST BELOW = 1.3
 5. EPOXY COATED HORIZONTAL "TOP" BARS WITH 12" OF CONCRETE CAST BELOW = NOT GREATER THAN 1.7.
- E. ADJUSTMENT FACTORS FOR STRAIGHT HOOKS IN TENSION
1. LIGHTWEIGHT CONCRETE = 1.3.
 2. EPOXY COATED = 1.2
- F. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF COVER FOR CAST-IN-PLACE CONCRETE UNLESS NOTED OTHERWISE:

MINIMUM CLEAR CONCRETE COVER FOR REINFORCING STEEL	
CONCRETE ON SOIL (DIRECT CONTACT)	3"
SLAB ON GRADE	CENTERED
WALLS, STRUCTURAL SLABS EXPOSED TO SOIL OR WEATHER	
#6 TO #18 REBAR	2"
#5 AND SMALLER REBAR	1 1/2"
WALLS, STRUCTURAL SLABS NOT EXPOSED TO EARTH OR WEATHER	
#11 AND SMALLER REBAR	3/4"
COLUMNS AND PIERS (COVER TO STIRRUPS AND TIES)	1 1/2"

- G. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, AND INSERTS SHALL BE SECURED IN POSITION WITH WIRE POSITIONERS, OR EQUAL, BEFORE PLACING CONCRETE OR GROUT.
- H. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL WALL REINFORCING.
- I. CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL A MINIMUM OF 10 DAYS PRIOR TO FABRICATION AND INSTALLATION.
- J. BARS TO BE WELDED SHALL BE ASTM A706, GRADE 60. WELDING OF REINFORCING BARS SHALL CONFORM TO AWS D1.4.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 Arch R22
DRAWN BY	CGR
DESIGNED BY	BCW
REVIEWED BY	BWP
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

TITLE

STRUCTURAL
NOTES

SHEET

S1-00



STRUCTURAL STEEL

- A. SPECIFICATIONS:
- DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "STEEL CONSTRUCTION MANUAL", 14TH EDITION, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, UNLESS NOTED OTHERWISE.
 - STEEL MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS, UNLESS NOTED OTHERWISE:

STRUCTURAL TYPE/SHAPE	ASTM DESIGNATION	MATERIAL STRENGTH
ANCHOR BOLTS	F1554 GRADE 36	Fy = 36 KSI
M, S, C, MC, AND L-SHAPES, PLATES AND BARS	A36	Fy = 36 KSI
FASTENERS	A325N	Fnv = 48 KSI, Fnt = 90 KSI
	A325X	Fnv = 60 KSI, Fnt = 90 KSI
	A490N	Fnv = 60 KSI, Fnt = 113 KSI
	A490X	Fnv = 75 KSI, Fnt = 113 KSI
CONNECTION NUTS	A563	
WASHERS	F436	
WELDS		
E70XX ELECTRODES	A233	FU = 70 KSI
COLD ROLLED E60XX ELECTRODES	A233	FU = 60 KSI
STUD ANCHORS	A108	FU = 65 KSI

- ALL STAINLESS STEEL SHALL BE TYPE S30400/S30403 DUAL CERTIFIED OR S30403 (S304L), UNLESS NOTED OTHERWISE.
 - ALL ASTM A325 AND A307 BOLTS EXPOSED TO EXTERIOR CONDITIONS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123; ASTM 490 BOLTS SHALL NOT BE GALVANIZED.
 - CLEAN ALL EXTERIOR FIELD WELDS AND MEMBERS PER SSPC-SP3 AND PRIME PAINT WITH GRAY INORGANIC ZINC TO A 3-5 MIL THICKNESS.
- B. DESIGN STRESS:
- MINIMUM BEAM CONNECTIONS SHALL NOT BE SMALLER THAN THOSE LISTED IN PART 10 OF THE AISC MANUAL.
 - UNLESS DETAILED OTHERWISE, MAKE CONNECTIONS WITH E70XX ELECTRODES OR BOLTED WITH 3/4" A325 BOLTS IN BEARING-TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE (A325N).
- C. WELDING:
- ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.1 STRUCTURAL WELDING CODE.
 - WELDER CERTIFICATION PROCEDURES SHALL BE AS FOLLOWS:
 - ALL WELDERS SHALL BE CURRENTLY CERTIFIED AND REGISTERED BY THE LOCAL OFFICIALS AND/OR THE AMERICAN WELDING SOCIETY AND, IF REQUIRED, ALL WELDERS SHALL HAVE THEIR CERTIFICATION AVAILABLE TO THE ENGINEER.
 - ALL WELD FILLER METAL SHALL BE AWS E70XX WITH A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20FT-LB AT 0 DEG F, AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION, UNLESS NOTED OTHERWISE.
 - WELDS DESIGNATED AS DEMAND CRITICAL (DC) SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CVN TOUGHNESS OF 20 FT-LB AT -20 DEG F AND 40 FT-LB AT A TEMPERATURE OF 70DEG F AS DETERMINED BY THE MANUFACTURER'S CERTIFICATION, AISC 341-05 APPENDIX X, OR OTHER APPROVED METHOD. WELD FILLER METALS SHALL NOT BE USED FROM PACKAGING THAT HAS BEEN PUNCTURED OR TORN, OR IF THE MANUFACTURER'S RECOMMENDATIONS FOR EXPOSURE TIME OR DRYING PROCEDURES HAVE NOT BEEN FOLLOWED.
 - ALL BUTT WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) WELDS, UNLESS NOTED OTHERWISE.
 - ALL GROOVE WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) WELDS, UNLESS NOTED OTHERWISE.
 - WELDING PROCEDURE AND SEQUENCES SHALL BE PLANNED TO MINIMIZE WELD SHRINKAGE THAT COULD RESULT IN LAMELLAR TEARING.
 - FIELD WELDING WILL BE ALLOWED ONLY WHERE SHOWN ON THE DRAWINGS.
 - EXISTING AND NEW STEEL SURFACES TO BE WELDED SHALL BE CLEANED OR PAINT, GREASE, SCALE, OR OTHER FOREIGN MATERIAL REMOVED.
 - ALL FIELD WELDS SHALL BE WIRE BRUSHED AND CLEANED, THEN TOUCHED-UP PAINTED.
- D. STRUCTURAL STEEL SHOP DRAWINGS SHALL INCLUDE CALCULATIONS THAT SUMMARIZE ANY CONNECTION REVISIONS.

FOOTINGS AND FOUNDATIONS

- A. SOIL BEARING DESIGN VALUE:
- 1500 PSF (ALLENDER BUTZKE ENGINEERS INC. PN 211494).
 - BEARING VALUE TO BE VERIFIED IN FIELD BY GEOTECHNICAL ENGINEER.
- B. PROTECT FOUNDATION EXCAVATIONS FROM FROST; DO NOT PLACE CONCRETE ON FROZEN GROUND.
- C. FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER AND SHALL BE CHECKED AND APPROVED BY THE ENGINEER BEFORE THE PLACEMENT OF ANY CONCRETE.
- D. DESIGN FROST PENETRATION DEPTH: 42 INCHES
- E. MINIMUM OF 4" COMPACTED GRANULAR SUBBASE BELOW SLABS.
- F. MINIMUM OF 2 FEET OF FREE DRAINING GRANULAR FILL BELOW FLOOR SLABS OR PROVIDE RIGID FOAM INSULATION BOARD AT SLABS AND FOUNDATIONS WALLS HORIZONTAL AND VERTICAL. REFER TO GEOTECHNICAL REPORT.
- G. STRIP ALL VEGETATION, ORGANICS OR LOOSE MATERIALS TO A MINIMUM DEPTH OF 6". REFER TO GEOTECHNICAL REPORT.

MATERIAL COMPACTION CRITERIA	
LOCATION	MINIMUM RELATIVE COMPACTION PERCENTAGE (ASTM D698 STANDARD PROCTOR DENSITY (SPD))
1'-0" BELOW FOUNDATION AND SLAB SUBGRADE ELEVATIONS	98%
ABOVE BOTTOM OF FOUNDATIONS AND BELOW SLAB SUBGRADE ELEVATIONS	95%
BELOW EXTERIOR SLAB, WITHIN 1'-0" OF SUBGRADE ELEVATIONS	98%
BELOW EXTERIOR SLAB, MORE THAN 1'-0" BELOW SUBGRADE ELEVATIONS	95%

WOOD

- A. GENERAL:
- ALL WOOD MEMBERS SHALL BE AS FOLLOWS (UNLESS APPROVED BY THE ENGINEER):
 - STUDS - SPRUCE PINE FIR (SPF) STUD GRADE OR SOUTHERN PINE STUD GRADE.
 - HEADERS/JOISTS - DOUGLAS FIR-LARCH (DF-L) NO. 2 OR BETTER, HEM-FIR NO. 2 OR BETTER, OR SOUTHERN PINE NO. 2 OR BETTER.
 - ALL SHEATHING SHALL BE APA RATED SHEATHING.
 - CUTTING, NOTCHING, OR DRILLING OF BEAMS OR JOISTS SHALL BE PERMITTED ONLY AS DETAILED OR APPROVED BY THE ENGINEER.
 - ALL NAILING SHALL CONFORM TO THE NAILING SCHEDULE GIVEN IN THE IBC, UNLESS NOTED OTHERWISE.
 - ALL SILLS OR PLATES RESTING ON CONCRETE OR MASONRY, WHICH IS IN CONTACT WITH EARTH OR RESTING ON FOUNDATIONS, SHALL BE PRESSURE TREATED SOUTHERN PINE NO. 2.
 - ALL MEMBER SIZES GIVEN ON DRAWINGS ARE NOMINAL DIMENSIONS.
 - WOOD LINTELS AND HEADERS SHALL HAVE A FULL 3" LENGTH OF BEARING AT EACH END.
 - ALL BEAMS AND JOISTS NOT BEARING ON SUPPORTING MEMBERS SHALL BE FRAMED WITH JOIST HANGERS.
 - WOOD JOISTS SHALL BEAR THE FULL WIDTH OF SUPPORTING MEMBERS (STUD WALLS, BEAMS, ETC. UNLESS OTHERWISE NOTED).
 - PRE-BORE HOLES FOR ALL FASTENERS GREATER THAN 1/4" Ø PER MANUFACTURER'S RECOMMENDATIONS.
 - GENERAL CONTRACTOR TO COORDINATE TRUSS AND FRAMING LAYOUT WITH MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS. NOTIFY ENGINEER IMMEDIATELY FOR ANY POTENTIAL INTERFERENCES BETWEEN STRUCTURE, PLUMBING, HVAC AND OTHER BUILDING TRADES PRIOR TO FABRICATION AND ERECTION.
- B. SILL PLATES
- UNLESS NOTED OTHERWISE, SILL PLATES SHALL BE BOLTED TO FOUNDATION WALL WITH 1/2"Ø G185 HOT-DIPPED GALVANIZED, TYPE 304 OR TYPE 316 STAINLESS BOLTS (TYPICAL FOR ALL FASTENERS / CONNECTORS IN CONTACT WITH ACQ TREATED LUMBER) AT 4'-0" MAXIMUM O.C. BOLTS SHALL EXTEND 12" MINIMUM INTO FOUNDATION. EACH SILL PLATE TO HAVE A MINIMUM OF TWO BOLTS WITH ONE BOLT LOCATED WITHIN 12" OF EACH END OF EACH PIECE.
- C. TONGUE-AND-GROOVE ROOF DECK
- MEMBERS SHALL BE PRESERVATIVELY TREATED.
 - MOISTURE CONTENT SHALL BE LIMITED TO 15% FOR 2-INCH NOMINAL DECKING AND 19% FOR 3- AND 4-INCH DECKING.
 - TONGUE-AND-GROOVE WOOD DECKING SHALL BE INSTALLED WITH TONGUES UP ON SLOPED OR PITCHED ROOFS, AND OUTWARD IN DIRECTION OF LAYING ON FLAT ROOFS. DECKING SHALL BE LAID WITH PATTERN FACES DOWN AND EXPOSED ON THE UNDERSIDE.
 - THREE AND FOUR-INCH DECKING SHALL BE TOENAILED AT EACH SUPPORT WITH ONE 40d NAIL AND FACE NAILED WITH ONE 60d NAIL. COURSES FOR THREE AND FOUR INCH DECKING SHALL BE SPIKED TO EACH OTHER WITH 8INCH SPIKES AT 30 INCHES ON CENTER THROUGH PREDRILLED EDGE HOLES. FOR EVERY PIECE, PROVIDE ONE SPIKE NOT LESS THAN 10 INCHES FROM EACH END.
 - TONGUE-AND-GROOVE DECKING TO BE CANTILEVER SPANS WITH CONTROLLED RANDOM LAYUP.
 - CONTROLLED RANDOM LAYUP MINIMUM LENGTHS:
 - NOT LESS THAN 40% TO BE 14 FEET AND LONGER
 - NOT MORE THAN 10% TO BE LESS THAN 10 FEET
 - NOT MORE THAN 1% TO BE 4 TO 5 FEET
 - MINIMUM LENGTHS ARE LIMITED TO 75% OF THE SPAN LENGTH
- D. LAMINATED VENEER LUMBER (LVL):
- DESIGN STRESSES:
 - E = 1,900,000 PSI
 - F_b = 2,600 PSI
 - F_v = 285 PSI
- E. LAMINATED STRAND LUMBER (LSL)
- DESIGN STRESSES:
 - E = 1,300,000 PSI
 - F_b = 1,700 PSI
 - F_v = 400 PSI
- F. PARALLEL STRAND LUMBER (PSL)
- DESIGN STRESSES:
 - E = 2,000,000 PSI
 - F_b = 2,900 PSI
 - F_v = 290 PSI
- G. GLULAM
- DESIGN STRESSES:
 - E = 1,800,000 PSI
 - F_b* = 2400 PSI
 - F_b** = 1450 PSI
 - F_by = 1400 PSI
 - F_b/PERPEND = 650 PSI
 - F_v = 265 PSI
- H. MULTIPLE MEMBER BEAMS SHALL BE ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, BUT NOT LESS THAN NAILING SPECIFIED IN DIMENSIONAL LUMBER SECTION OF THESE NOTES.



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PROJECT

CITY OF GRIMES

WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
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REVIEWED BY	BWP
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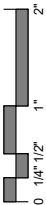
TITLE

STRUCTURAL
NOTES

SHEET

S1-01





SPECIAL INSPECTIONS

1. SPECIAL INSPECTION PROGRAM SHALL CONFORM TO CHAPTER 17 OF THE IBC.
2. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM THE REQUIRED TESTS AND SPECIAL INSPECTIONS WITH QUALIFICATIONS DESCRIBED PER IBC CHAPTER 17 AND THE PROJECT SPECIFICATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING INSPECTIONS AND TESTS. SUFFICIENT NOTICE AND LEAD TIME MUST BE ALLOWED FOR THE INSPECTION AND TESTING TO BE PERFORMED WITHOUT IMPEDING CONSTRUCTION OPERATIONS.
4. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO BUILDING OFFICIAL, OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND CONTRACTOR.
5. WHEN DEFICIENCIES ARE IDENTIFIED, THE CONTRACTOR MUST TAKE CORRECTIVE ACTIONS TO COMPLY WITH THE CONTRACT DOCUMENTS OR REMEDY THE DEFICIENCIES AS DIRECTED BY THE REGISTERED DESIGN PROFESSIONAL.
6. THE SPECIAL INSPECTION AND QUALITY ASSURANCE PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO PERFORM QUALITY CONTROL.
7. THE CONTRACTOR IS RESPONSIBLE FOR TESTING SERVICES THAT ARE REQUIRED FOR MATERIAL SUBMITTALS AND THAT ARE NOT PART OF THE SPECIAL INSPECTION PROGRAM (E.G. AGGREGATE TESTS, CONCRETE MIX DESIGNS, TESTING OF CONTROLLED FILL MATERIALS, ETC.).
8. SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING THAT THE STRUCTURAL WORK WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

FABRICATED ITEMS (IBC 1704.2)

SPECIAL INSPECTION TYPE: FABRICATOR APPROVAL
SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION PROVIDED THE FABRICATOR COMPLIES WITH IBC.

STRUCTURAL STEEL (IBC 1705.2)

SPECIAL INSPECTION TYPE	FREQUENCY
FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES: REVIEW SHOP FABRICATION AND QUALITY CONTROL PROCEDURES. AISC CERTIFICATION (TYPE BU) OF STEEL FABRICATOR REQUIRED	FABRICATOR EXEMPT
MATERIAL VERIFICATION OF STRUCTURAL STEEL. REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKING ON WIDE FLANGE SHAPES, HIGH STRENGTH BOLTS, NUTS AND WELDING ELECTRODES.	PERIODIC
SHOP AND FIELD WELDING: WELDING INSPECTION TO BE IN COMPLIANCE WITH AWS D1.1. ALL WELDS SHALL BE VISUALLY INSPECTED. ALL MATERIALS, WELDING PROCEDURES, AND QUALIFICATIONS OF WELDERS SHALL BE VERIFIED PRIOR TO THE START OF WORK. SINGLE PASS FIELD WELD LESS THAN OR EQUAL TO 5/16" FIELD WELDS GREATER THAN 5/16" MULTI-PASS FILLET WELDS PARTIAL/COMPLETE PENETRATION WELDS TESTED ULTRASONICALLY OR BY ANOTHER APPROVED METHOD LIGHT GAUGE METAL FRAMING WELDING FLOOR AND ROOF DECK WELDING	PERIODIC CONTINUOUS CONTINUOUS CONTINUOUS PERIODIC PERIODIC
INSPECT MECHANICAL FASTENERS AT FLOOR AND ROOF DECK. INSPECT FLOOR AND ROOF DECK SIDE SEAM CONNECTIONS AND/OR BUTTON PUNCHES.	PERIODIC
INSPECT INSTALLATION AND TIGHTENING OF HIGH-STRENGTH BOLTS. VERIFY THAT SPLINES HAVE SEPARATED FROM TENSION CONTROL BOLTS. VERIFY PROPER TIGHTENING SEQUENCE. (NOTE THAT CONTINUOUS INSPECTION OF BOLTS IN SLIP- CRITICAL CONNECTIONS IS REQUIRED UNLESS USING TURN-OF- THE-NUT METHOD WITH MATCH MARKING TECHNIQUES)	PERIODIC
INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING BRACING, MEMBER CONFIGURATION, AND CONNECTION DETAILS.	PERIODIC

SOILS (IBC 1705.6)

SPECIAL INSPECTION TYPE	FREQUENCY
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC

CAST-IN-PLACE CONCRETE (IBC 1705.3)

SPECIAL INSPECTION TYPE	FREQUENCY
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC
REINFORCING BAR WELDING: VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16". INSPECT ALL OTHER WELDS.	PERIODIC PERIODIC CONTINUOUS
INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIO S TO RESIST SUSTAINED TENSION LOADS. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE.	CONTINUOUS PERIODIC
VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC
FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. SAMPLE FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS. A MINIMUM OF FIVE STRENGTH TESTS SHOULD BE MADE FOR A GIVEN PROJECT.	CONTINUOUS AT TIME OF TESTING

MASONRY (IBC 1705.4)

REQUIRED INSPECTION LEVEL: LEVEL 2

SPECIAL INSPECTION TYPE	FREQUENCY
PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS AND VERIFICATION OF f _m .	REQUIRED
AT BEGINNING OF CONSTRUCTION, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: PROPORTIONS OF SITE PREPARED MORTAR. GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS. SAMPLE PANEL CONSTRUCTION.	PERIODIC PERIODIC PERIODIC
PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: GROUT SPACE. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS. PROPORTIONS OF SITE PREPARED GROUT.	PERIODIC PERIODIC PERIODIC
VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION: MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION. SIZE AND LOCATION OF STRUCTURAL MEMBERS. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. WELDING OF REINFORCEMENT. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER OR HOT WEATHER. PLACEMENT OF GROUT.	PERIODIC PERIODIC PERIODIC PERIODIC CONTINUOUS PERIODIC CONTINUOUS

SPECIAL INSPECTIONS FOR WIND RESISTANCE (IBC 1705.11)

SPECIAL INSPECTION TYPE	FREQUENCY
STRUCTURAL WOOD: INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WIND FORCE RESISTING SYSTEM. INSPECTION OF NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS. <i>(NOTE: SPECIAL INSPECTIONS NOT REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER)</i>	CONTINUOUS PERIODIC
WIND-RESISTING COMPONENTS: INSPECT FASTENING OF THE ROOF COVERING, ROOF DECK, AND ROOF FRAMING CONNECTIONS. INSPECT FASTENING OF THE EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.	PERIODIC PERIODIC



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GRIMES IOWA

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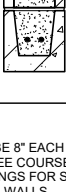
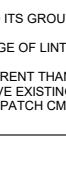
TITLE

SPECIAL
INSPECTIONS

SHEET

S1-02



LINTEL SCHEDULE			
TYPE	MATERIAL	CONFIGURATION	REMARKS
L01	8" BOND BEAM WITH (2) #5 CONT.		GROUT FULL (1) COURSE ABOVE BOND BEAM. EXTEND REINFORCING 8" BEYOND SPAN
			TYPICAL AT OPENINGS IN 8" CMU WALLS LESS THAN 4'-0" IN WIDTH, UNLESS NOTED OTHERWISE.
L02	8" BOND BEAM WITH (2) #5 CONT.		GROUT FULL (2) COURSES ABOVE BOND BEAM. EXTEND REINFORCING 8" BEYOND SPAN
			TYPICAL AT OPENINGS IN 8" CMU WALLS LESS THAN 8'-0" IN WIDTH BUT GREATER THAN 4'-0" WIDTH, UNLESS NOTED OTHERWISE.
NOTES: A. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END UNLESS OTHERWISE NOTED. B. CMU WALLS SHALL BE GROUTED SOLID THREE COURSES BELOW LINTEL BEARING POINT AS MINIMUM. C. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF WALL OPENINGS. D. GALVANIZE ALL STEEL LINTELS AT EXTERIOR WALLS. E. FOR MASONRY LINTELS GROUT ALL CORES SOLID, CONTINUE VERTICAL WALL REINFORCEMENTS (AND SPACING) AT ALL LINTELS. F. SOLID MASONRY " BOND BEAM" LINTELS AND ITS GROUTED COURSES SHALL NOT BE PENETRATED UNLESS APPROVED BY ENGINEER. G. BRICK SHALL NOT OVERHANG OVER THE EDGE OF LINTELS GREATER THAN 1/3 THE WIDTH OF BRICK (1 3/16" FOR STANDARD 3 5/8" WIDTH BRICK.) H. FOR LINTELS REQUIRED AT OPENINGS DIFFERENT THAN ABOVE, CONTACT STRUCTURAL ENGINEER. I. FOR ALL LINTELS IN EXISTING WALLS, REMOVE EXISTING CMU/BRICK AS REQUIRED FOR LINTEL INSTALLATION. SHORE EXISTING CMU/BRICK PATCH CMU/BRICK AS REQUIRED.			

CONTROL JOINT PLACEMENT GUIDELINES

1. SPACE JOINTS (IN FEET) NO MORE THAN 2-3 TIMES THE SLAB THICKNESS (IN INCHES). FOR EXAMPLE, A 4" SLAB SHOULD HAVE JOINTS 8 TO 12' APART.

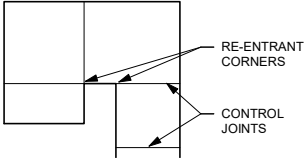
2. CUT JOINTS 25% OF THE DEPTH OF SLAB, MIN.

3. CUT JOINTS USING GROOVING TOOLS IN FRESH CONCRETE OR SAW CUTTING JOINTS AS SOON AS THE CONCRETE IS HARD ENOUGH THAT THE EDGES ABUTTING THE CUT DON'T CHIP FROM THE SAW BLADE.

4. IN HOT WEATHER, CONCRETE MIGHT CRACK IF JOINTS ARE NOT CUT WITHIN 6-12 HOURS AFTER FINISHING CONCRETE. PLAN ALTERNATE JOINT CUTTING EQUIPMENT ACCORDINGLY.

5. WHERE POSSIBLE, PLACE JOINTS UNDER PROPOSED NON-LOAD-BEARING WALL LOCATIONS OR UNDER CARPET AREAS.

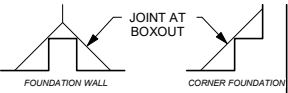
6. MINIMIZE RE-ENTRANT CORNERS AND AVOID WHERE POSSIBLE.



RE-ENTRANT CORNERS

CONTROL JOINTS

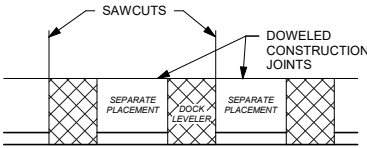
EXAMPLE CONTROL JOINT PLAN



JOINT AT BOXOUT

CORNER FOUNDATION

EXAMPLE PILASTER JOINT PLAN



SAWCUTS

SEPARATE PLACEMENT

DOCK LEVELER

SEPARATE PLACEMENT

DOWELED CONSTRUCTION JOINTS

EXAMPLE MULTIPLE DOCK LEVELER JOINT PLAN

FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	COMMENTS
F1	3' - 0"	3' - 0"	1' - 0"	(4) #5 BARS EACH WAY BOTTOM	
WF1		2' - 0"	1' - 0"	(2) #5 BARS CONTINUOUS AND #5 TRANSVERSE BARS @ 12" OC	
WF2		1' - 6"	1' - 0"	(2) #5 BARS CONTINUOUS AND #5 TRANSVERSE BARS @ 12" OC	

PIER AND PILASTER SCHEDULE					
MARK	LENGTH	WIDTH	DIAMETER	REINFORCEMENT	COMMENTS
P1			1' - 6"	(6) #5 BARS VERTICAL W/ #3 TIES @ 10" OC	
P2	1' - 9"	1' - 6"		(8) #5 BARS VERTICALS W/ #3 TIES @ 10" OC AND #3 CROSS TIES	

FOUNDATION WALL SCHEDULE			
MARK	WIDTH	REINFORCEMENT	COMMENTS
FDN1	0' - 8"	#5 BARS @ 18" OCEW CENTERED IN WALL	

COLUMN SCHEDULE		
MARK	TYPE	DESCRIPTION
C1	8.75X8.75 DF/DF GLULAM	SIMPSON CB9-9 HDG COLUMN BASE

CMU WALL REINFORCEMENT SCHEDULE	
DESCRIPTION	REINFORCEMENT
NON LOAD BEARING CMU WALLS (<=20' IN HEIGHT)	#5 BARS @ 48" OC, VERTICAL AND LADDER REINFORCEMENT HORIZONTAL @ 16" OC
LOAD BEARING CMU (INCLUDING FIREWALLS)	#5 BARS @ 24" OC, VERTICAL AND LADDER REINFORCEMENT HORIZONTAL @ 16" OC

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WATERWORKS

PARK

IMPROVEMENTS

GRIMES IOWA

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TITLE

STRUCTURAL

SCHEDULES

SHEET

S1-05

3/18/2022 4:34:47 PM

SHEET NOTES

A. REFER TO FOUNDATION DETAILS FOR TYPICAL CONSTRUCTION JOINT AND CONTROL JOINT DETAILS.



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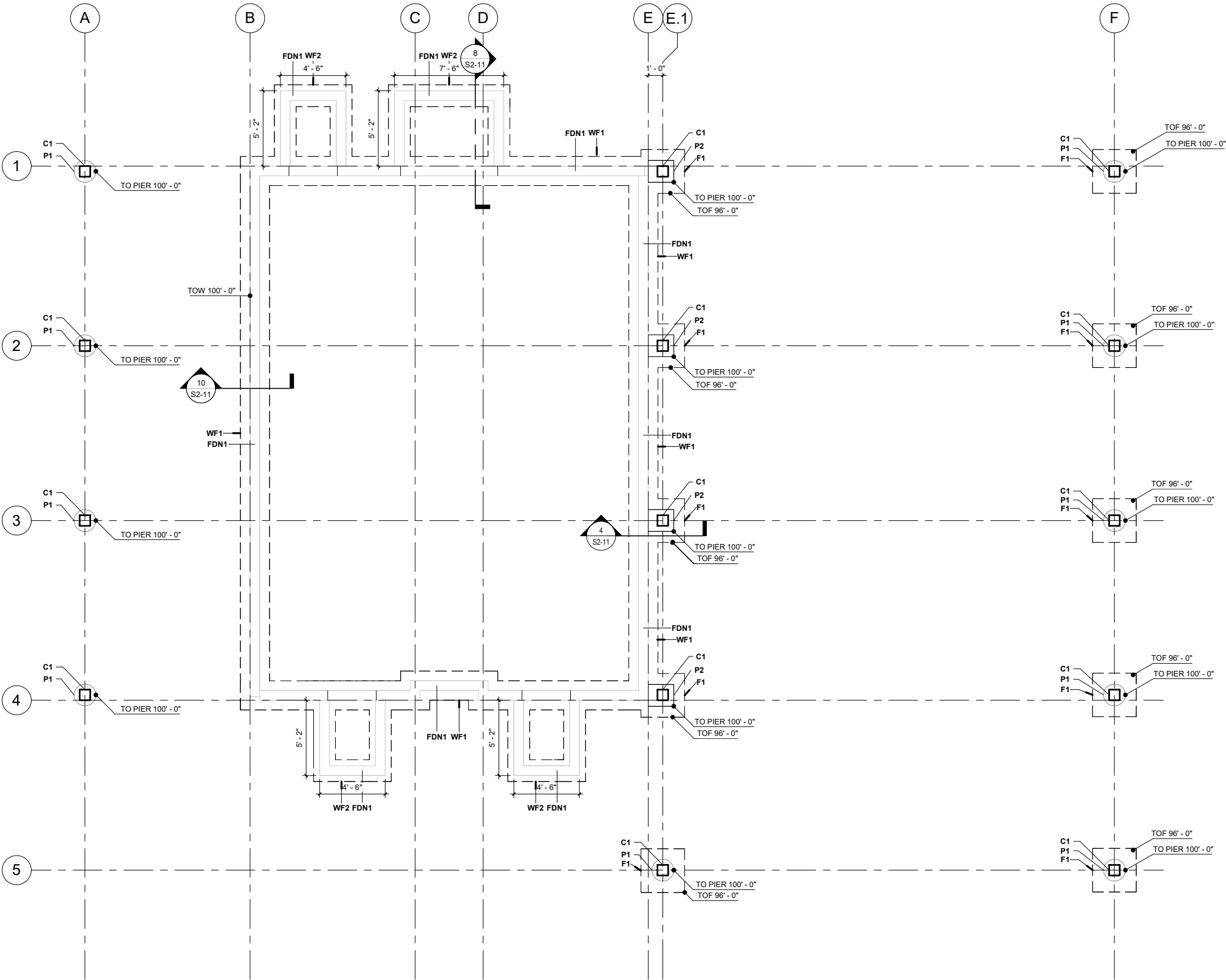
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TITLE

FOUNDATION
PLAN

SHEET

S1-11



1 FOUNDATION PLAN
1/4" = 1'-0"



SHEET NOTES

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PROJECT

CITY OF GRIMES

WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

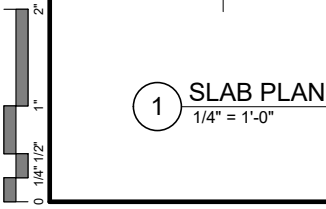
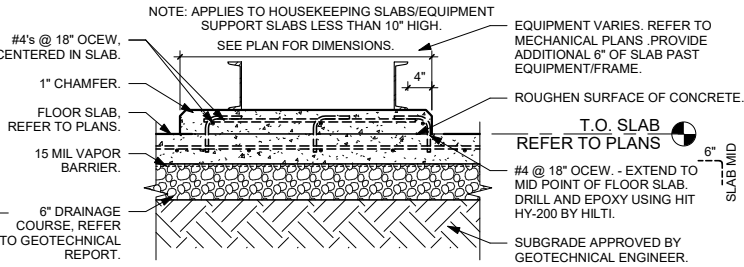
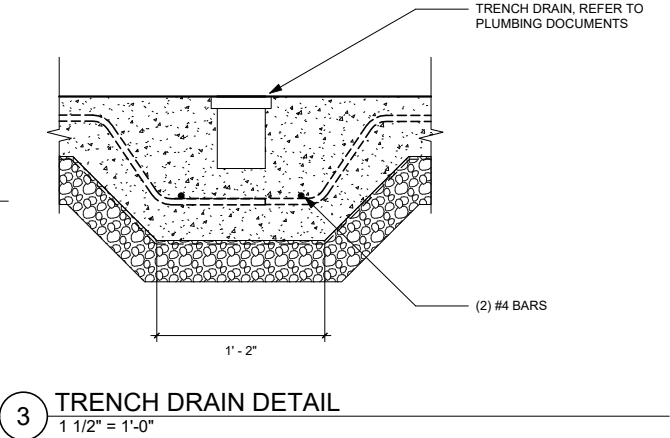
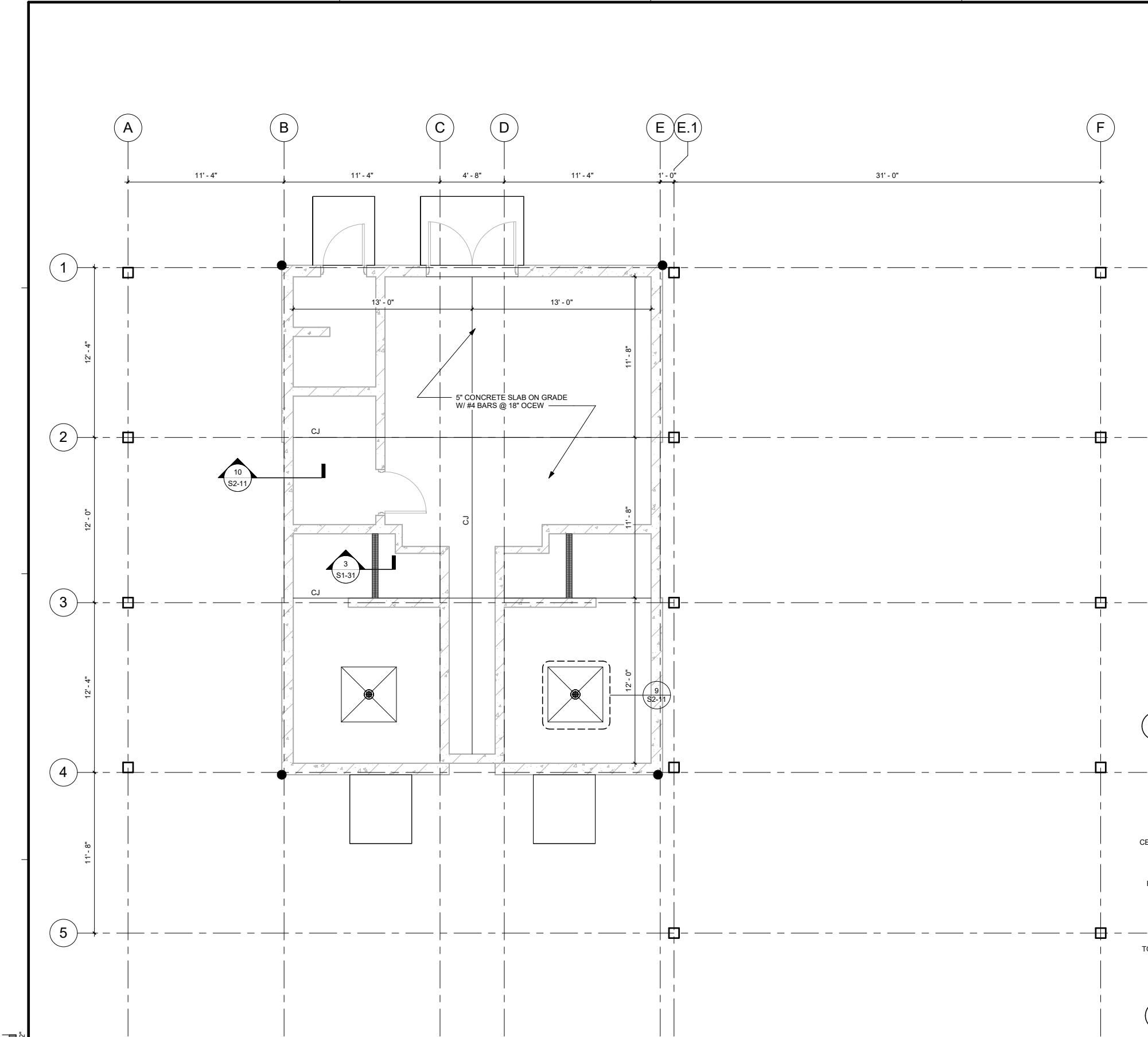
REVISION SCHEDULE		
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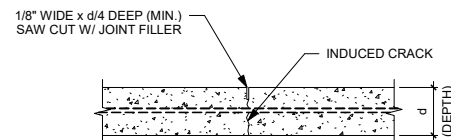
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TITLE

SHEET

S1-31

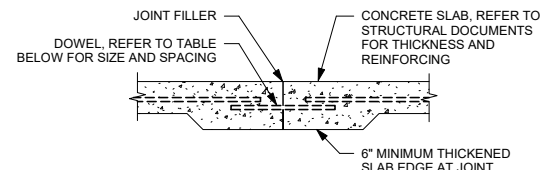




TYPICAL CONTROL JOINT SPACING AND JOINT DEPTH		
REINFORCED SLAB DEPTH	PREFERRED SPACING	CONTROL JOINT DEPTH (MIN.)
4"	8' TO 12'	1"
5"	10' TO 15'	1.25"
6"	12' TO 18'	1.5"
7"	14' TO 21'	1.75"
≥ 8"	16' TO 24'	2"

REFER TO CONTROL JOINT PLACEMENT GUIDE FOR ADDITIONAL CONTROL JOINT INFORMATION.

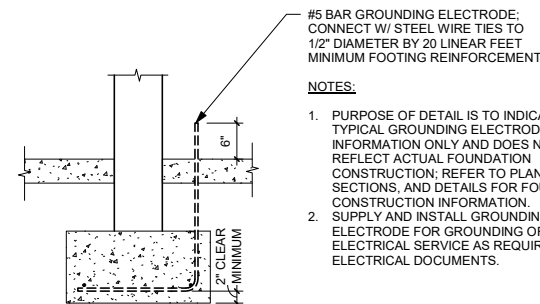
1 TYPICAL CONTROL JOINT DETAIL
1" = 1'-0"



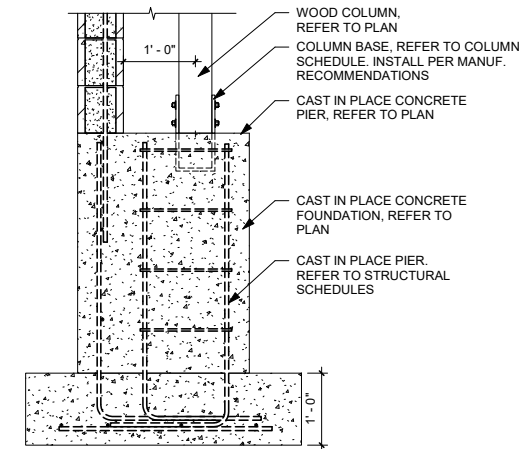
DOWEL SIZE AND SPACING FOR CONSTRUCTION JOINTS		
	DOWEL DIMENSIONS	DOWEL SPACING (CENTER-TO-CENTER)
SLAB DEPTH	PLATE DOWEL	PLATE DOWEL
5" TO 6"	M/R*	18"
7" TO 8"	M/R*	18"
9" TO 11"	M/R*	18"

*M/R = MANUFACTURER'S RECOMMENDATIONS. BECAUSE OF THE VARIOUS PLATE DOWEL GEOMETRIES AND INSTALLATION DEVICES AVAILABLE FROM DIFFERENT MANUFACTURERS, THE MANUFACTURERS SHOULD BE CONSULTED FOR THEIR RECOMMENDED PLATE DOWEL SIZE.

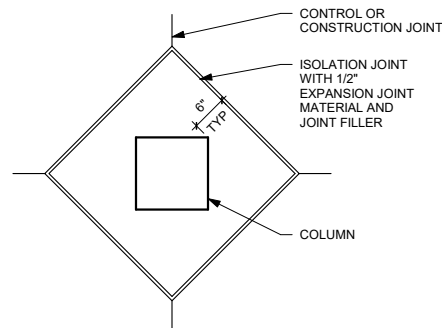
2 TYPICAL CONSTRUCTION JOINT DETAIL
1" = 1'-0"



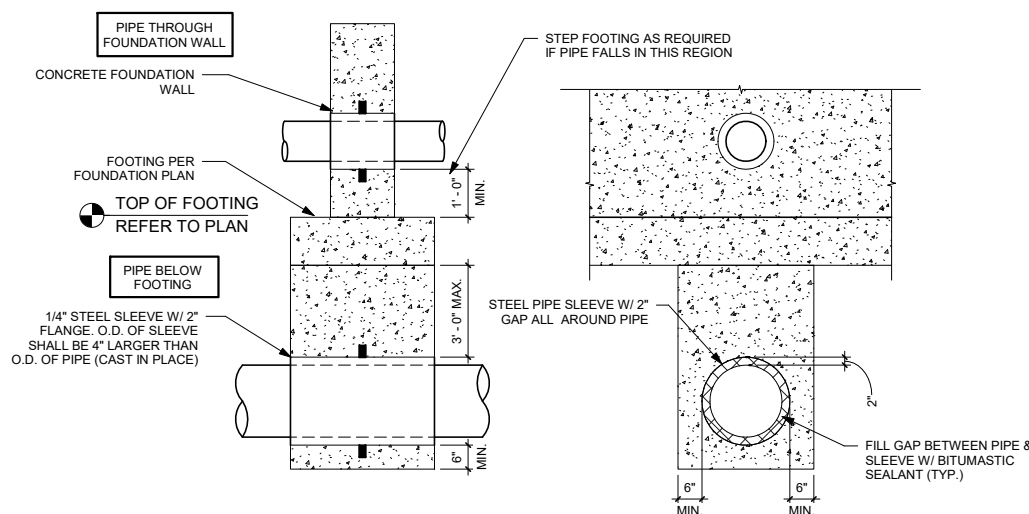
3 GROUNDING ELECTRODE DETAIL
3/4" = 1'-0"



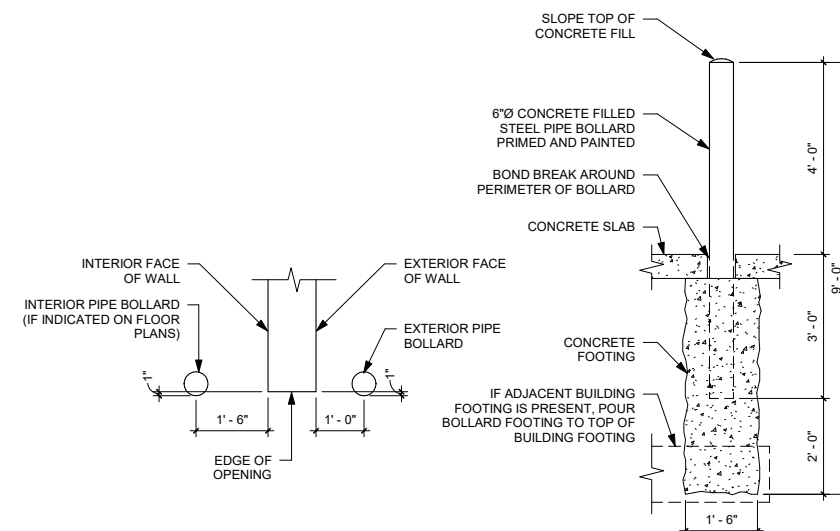
4 PIER 2 SECTION DETAIL
3/4" = 1'-0"



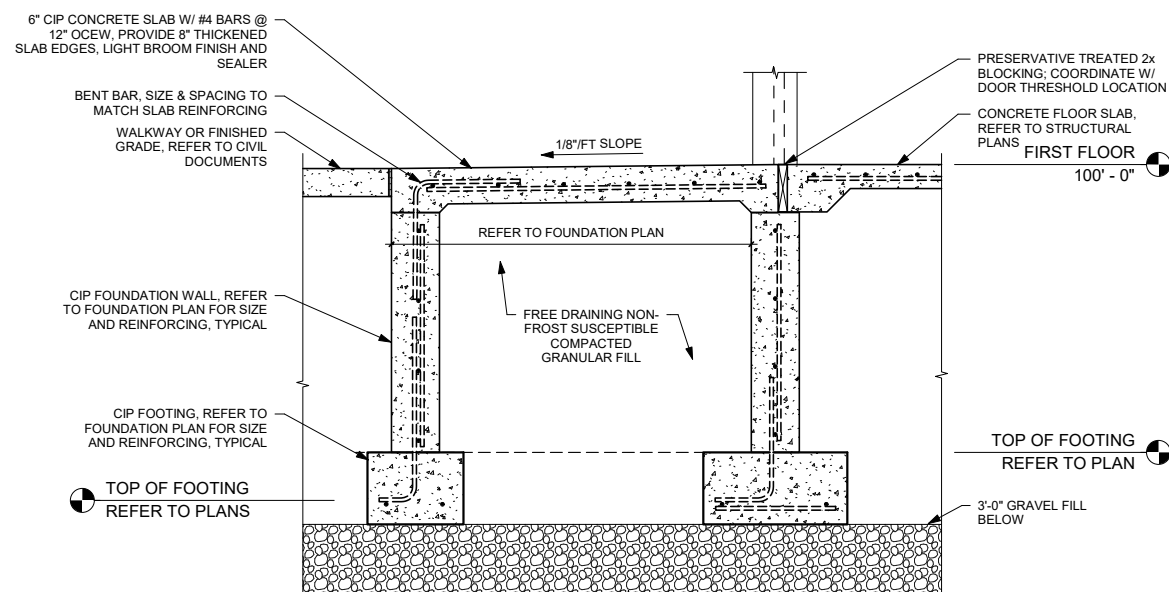
5 FLOOR/COLUMN ISOLATION JOINT DETAIL
3/4" = 1'-0"



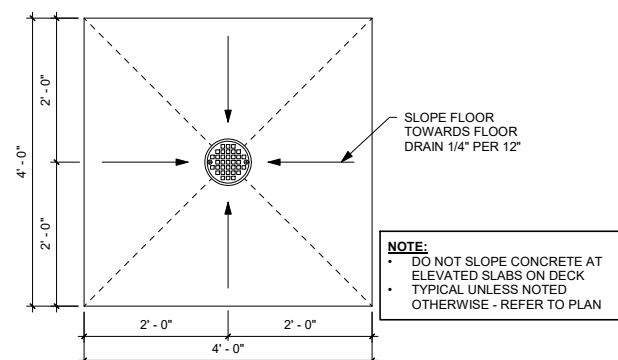
6 MECHANICAL LINE UNDER FOOTING DETAIL
1/2" = 1'-0"



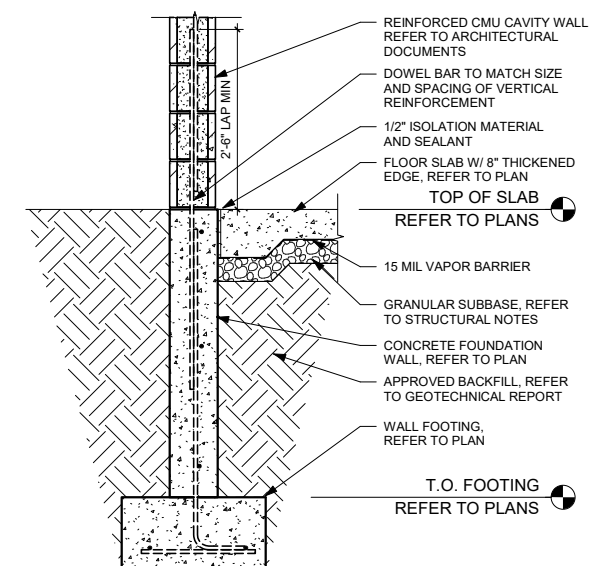
7 PIPE BOLLARD DETAIL
1/2" = 1'-0"



8 TYPICAL CIP STOOP DETAIL
3/4" = 1'-0"



9 TYPICAL SLAB DEPRESSION AT FLOOR DRAIN
3/4" = 1'-0"



10 FOUNDATION WALL TYPICAL
3/4" = 1'-0"

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CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES

IOWA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO. 21-25768

FILE NAME 25768 Arch R22

DRAWN BY CGR

DESIGNED BY BCW

REVIEWED BY BWP

ORIGINAL ISSUE DATE 03/18/2022

CLIENT PROJECT NO.

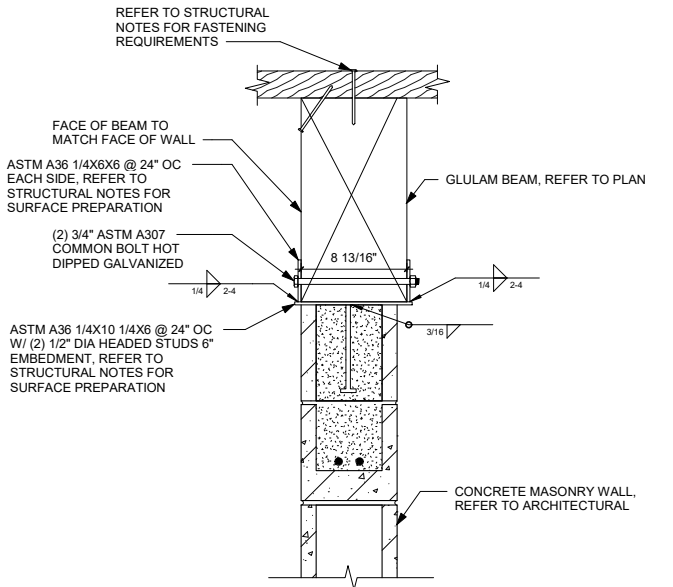
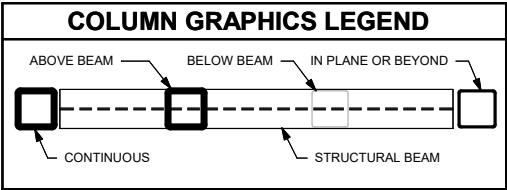
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FOUNDATION & SLAB DETAILS

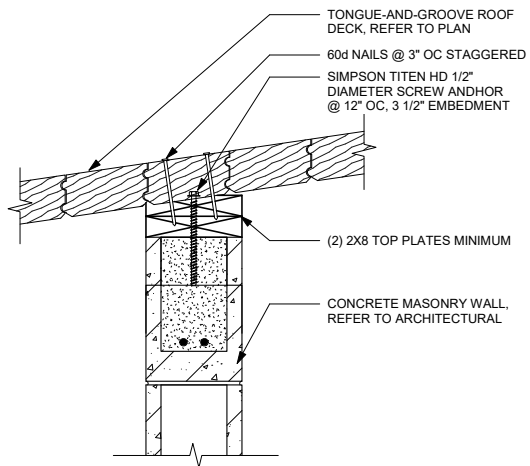
SHEET

S2-11

KEYNOTE LEGEND	
Key Value	Keynote Text
23	GLULAM CONNECTION PLATE A. REFER TO DETAILS
24	GLULAM CONNECTION PLATE B. REFER TO DETAILS
25	GLULAM GUSSET PLATE CONNECTION. REFER TO DETAILS



2 GLULAM TO TOP OF WALL CONNECTION
1 1/2" = 1'-0"



3 TONGUE AND GROOVE TO TOP OF WALL CONNECTION
1 1/2" = 1'-0"

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PROJECT

CITY OF GRIMES

WATERWORKS

PARK

IMPROVEMENTS

GRIMES IOWA

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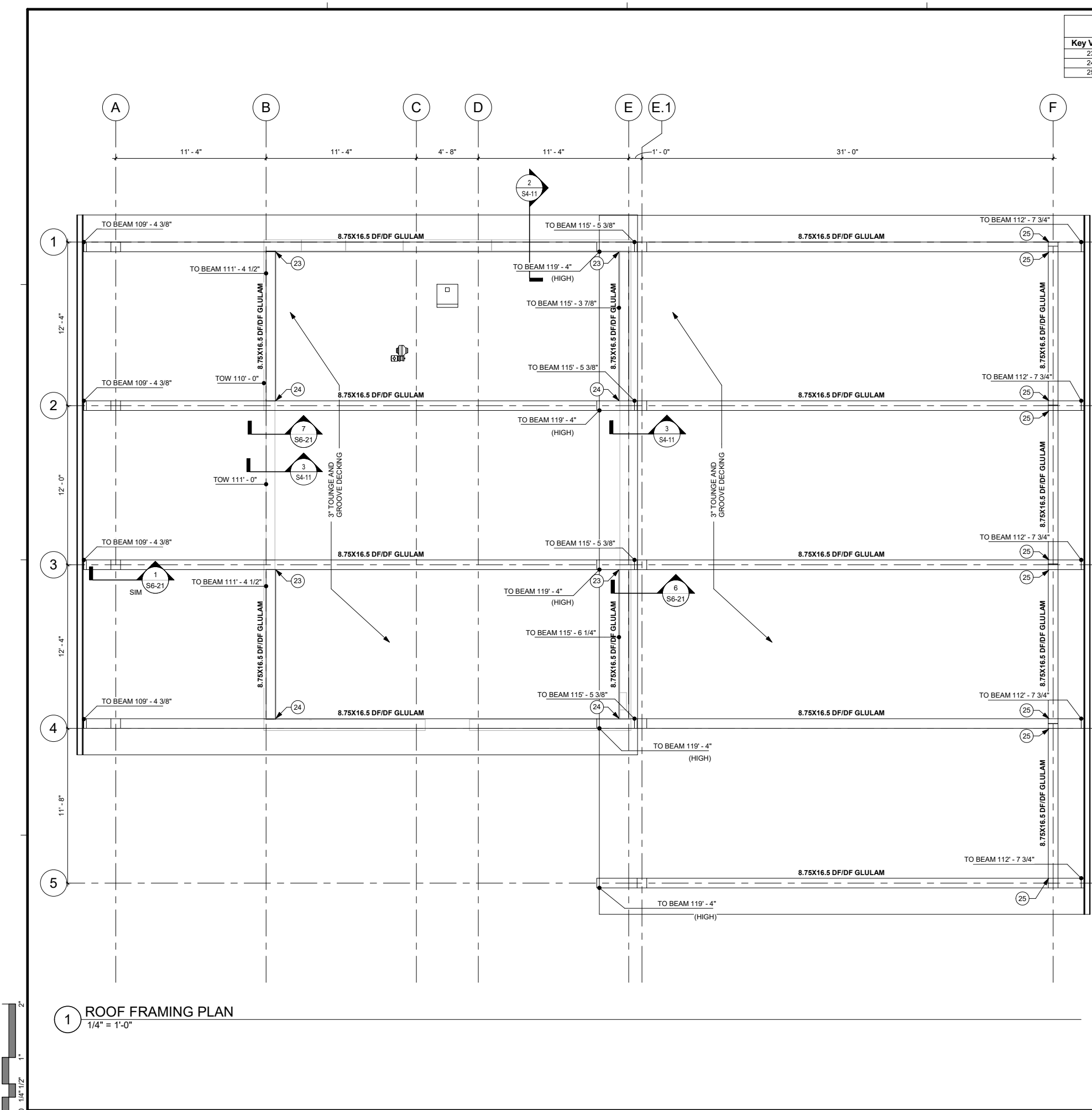
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ROOF FRAMING

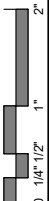
PLAN

SHEET

S4-11



1 ROOF FRAMING PLAN
1/4" = 1'-0"





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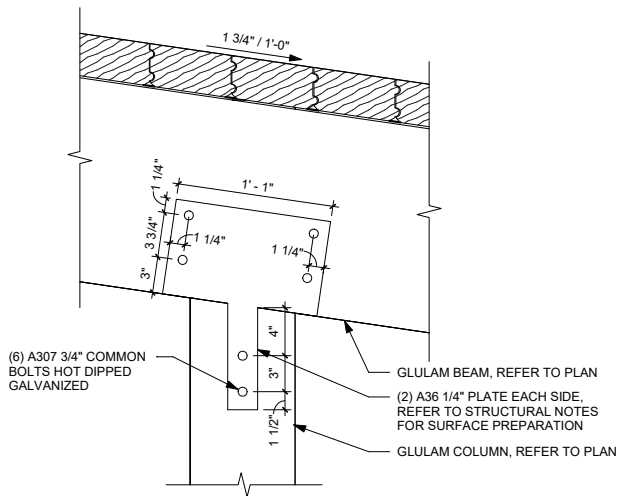
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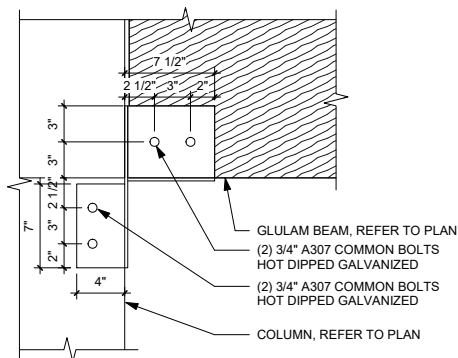
DETAILS

SHEET

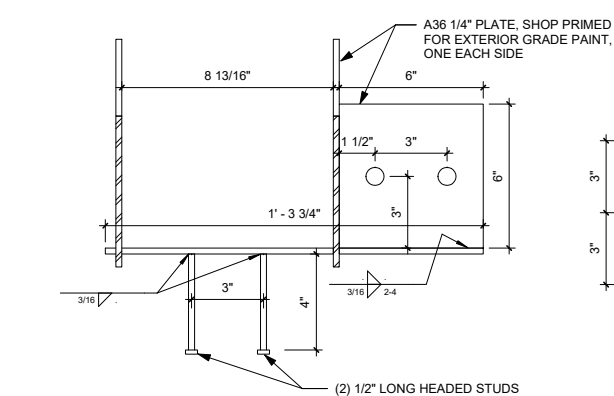
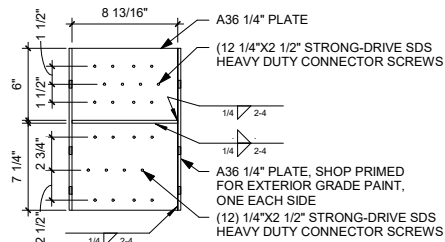
S6-21



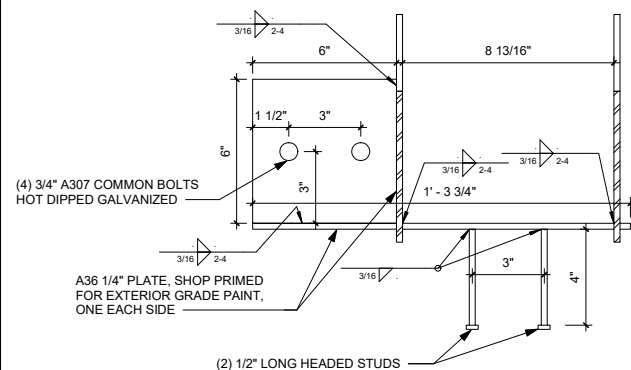
1 BEAM TO COLUMN CONNECTION
1 1/2" = 1'-0"



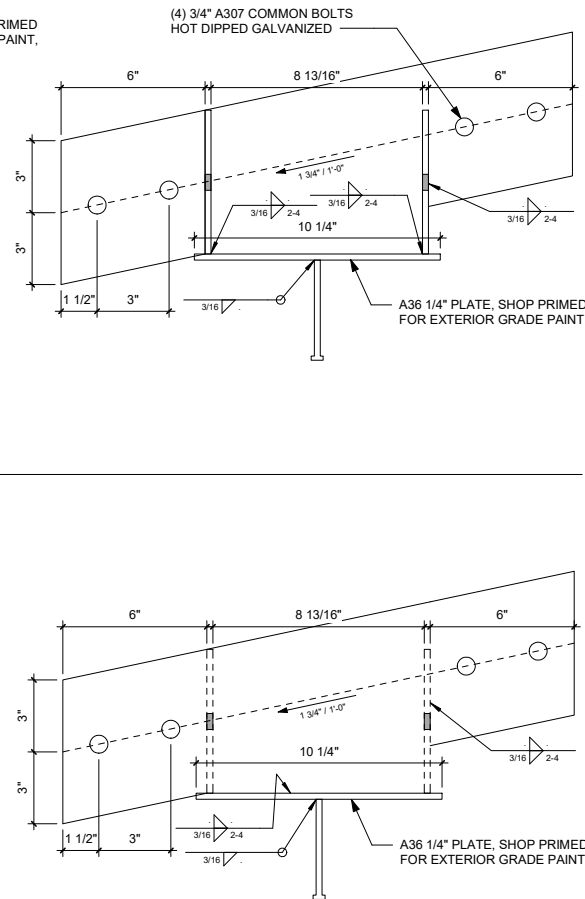
2 GLULAM GUSSET PLATE CONNECTION
1 1/2" = 1'-0"



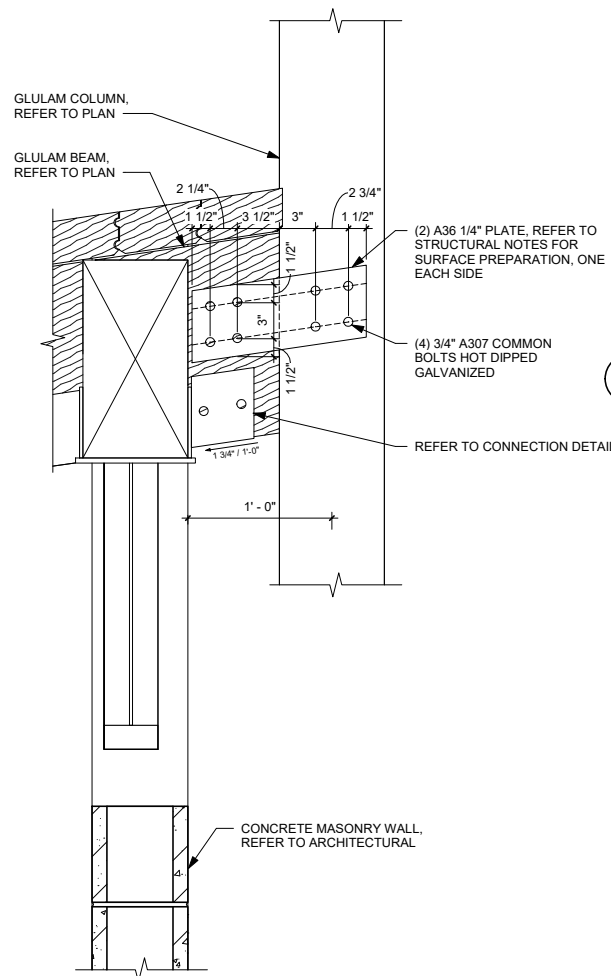
3 GLULAM CONNECTION PLATE A
3" = 1'-0"



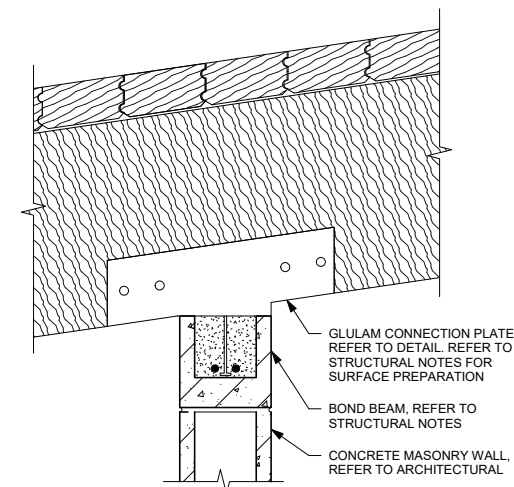
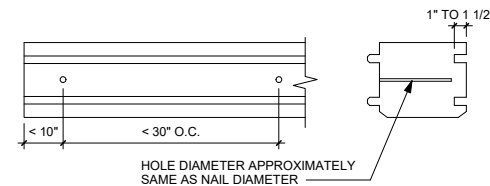
5 GLULAM CONNECTION PLATE B
3" = 1'-0"



6 GLULAM END TO COLUMN CONNECTION
1 1/2" = 1'-0"



4 SPIKE SPACING DETAIL
1 1/2" = 1'-0"



7 GLULAM END TO TOP OF WALL BEARING CONNECTION
1 1/2" = 1'-0"



KEYNOTE LEGEND

3	SEE CIVIL DRAWINGS FOR CONTINUATION.
4	WET VENT.
5	1/2" TRAP PRIMER LINE FROM L-1 TO FD.
6	1/2" TRAP PRIMER LINE FROM WC-1 TO TD.
7	1/2" TRAP PRIMER LINE TO FD FROM AUTOMATIC TRAP PRIMER VALVE TP-1.
8	3" VTR.
13	PROVIDE CURB STOP SHUT OFF VALVE.
14	3/4" LINE FOR WINTERIZATION. CONNECT TO 2" CW LINE AFTER CURB STOP.
17	4" HOUSEKEEPING PAD. COORDINATE LOCATION AND SIZE WITH POOL EQUIPMENT AND WATER HEATER. SEE STRUCTURAL SHEETS FOR PAD DETAIL.

GENERAL PLUMBING NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND NATIONAL LAWS, CODES, ORDINANCES, AND REGULATIONS, AS WELL AS LOCAL UTILITY REQUIREMENTS. PROVIDE ALL ADDITIONAL ACCESSORIES EQUIPMENT AND OTHER WORK NECESSARY FOR A PROPER AND OPERATIONAL INSTALLATION, TO SATISFY WARRANTY REQUIREMENTS, CODES OR STANDARDS. VERIFY THAT ALL EQUIPMENT PROVIDED IS SUITABLE FOR INTENDED USE. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURES INSTRUCTIONS.
- WORK NOT SPECIFICALLY SHOWN IN DETAIL, INDICATED BY REFERENCE, OR OTHERWISE IMPLIED, SHALL BE PROVIDED IN ACCORDANCE WITH THE TRADE OR INDUSTRY BEST STANDARD PRACTICE TO PROVIDE A COMPLETE INSTALLATION.
- ALL EQUIPMENT, PIPING, AND DUCTWORK SHALL BE ROUTED TO AVOID CONFLICTS WITH STRUCTURE, OTHER PIPING, ETC. UNLESS SPECIFICALLY DIMENSIONED THE PIPE AND DUCTWORK SHOWN INDICATES GENERAL LOCATION ONLY. CONTRACTOR SHALL COORDINATE.
- PIPING SIZES TO EQUIPMENT, AND EQUIPMENT SUPPORTS SHALL BE VERIFIED AND ADJUSTED TO MATCH THE ACTUAL EQUIPMENT PROVIDED.
- VERIFY ALL SANITARY INVERT ELEVATIONS AND LOCATIONS BEFORE BEGINNING WORK.
- COORDINATE ALL FLOOR DRAIN LOCATIONS, ELEVATIONS AND FLOOR SLOPES WITH GENERAL CONTRACTOR BEFORE BEGINNING WORK.
- ALL TRADES SHALL HAVE PRE-WORK CONFERENCE AND COORDINATION TO SCHEDULE WORK, PLAN WORK, DETAIL WORK TO PROVIDE CLEAN, COMPACT, AND THOUGHTFUL CONSIDERED LAYOUT OF EQUIPMENT, DUCT, CONDUIT, PIPE, ETC.

POOL EQUIPMENT NOTES

THE MECHANICAL CONTRACTOR RESPONSIBILITIES INCLUDE :

- FULLY REVIEW THE SPLASH PAD EQUIPMENT DRAWINGS PROVIDED BY VORTEX.
- VORTEX EQUIPMENT IN MECH 103 SPACE IS TO BE DELIVERED TO SITE BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR.
- ALL PIPING NOT AFFIXED TO VORTEX EQUIPMENT IS TO BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR PER THE BUT NOT LIMITED TO VORTEX PRODUCT CONNECTION SCHEDULE.

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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

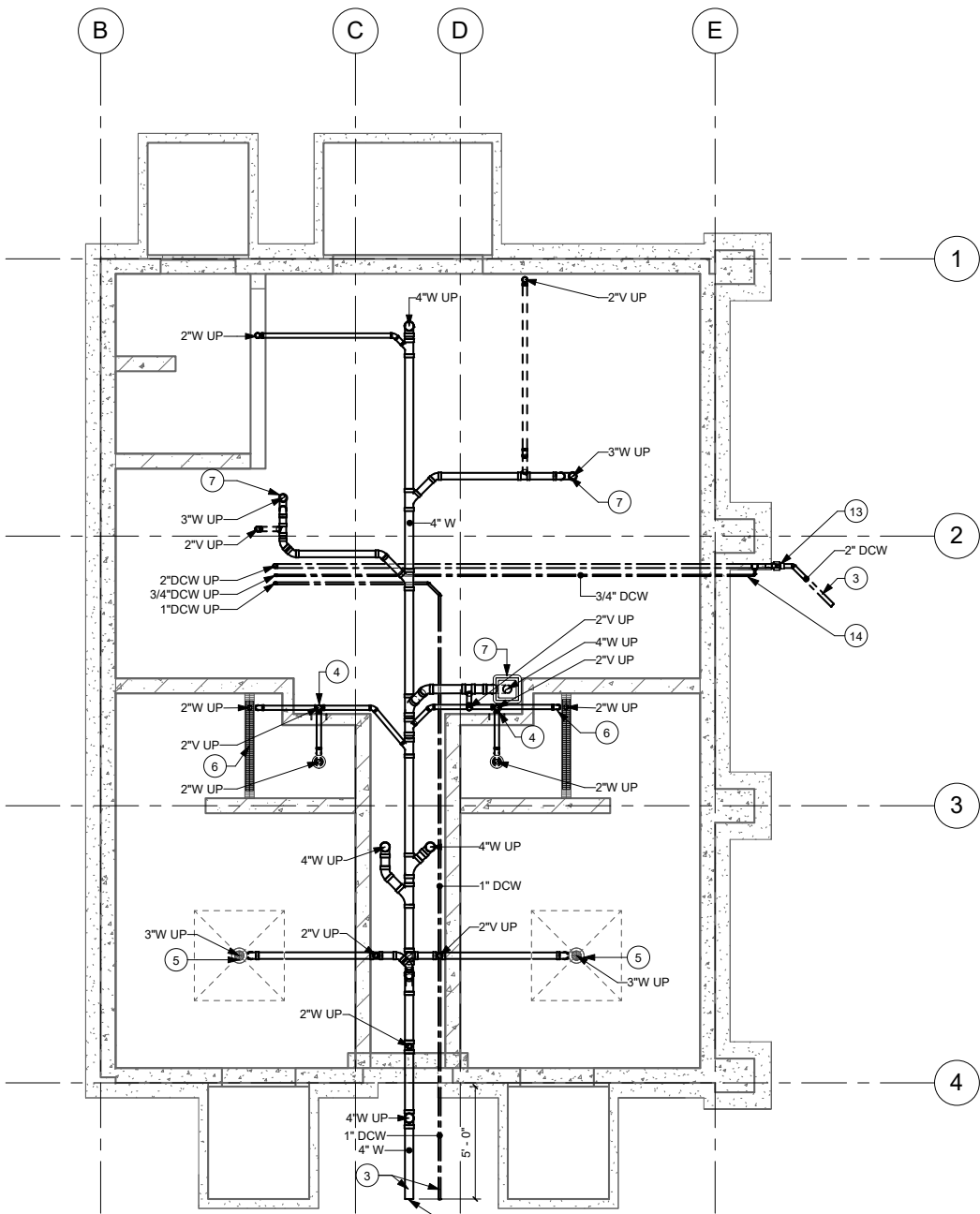
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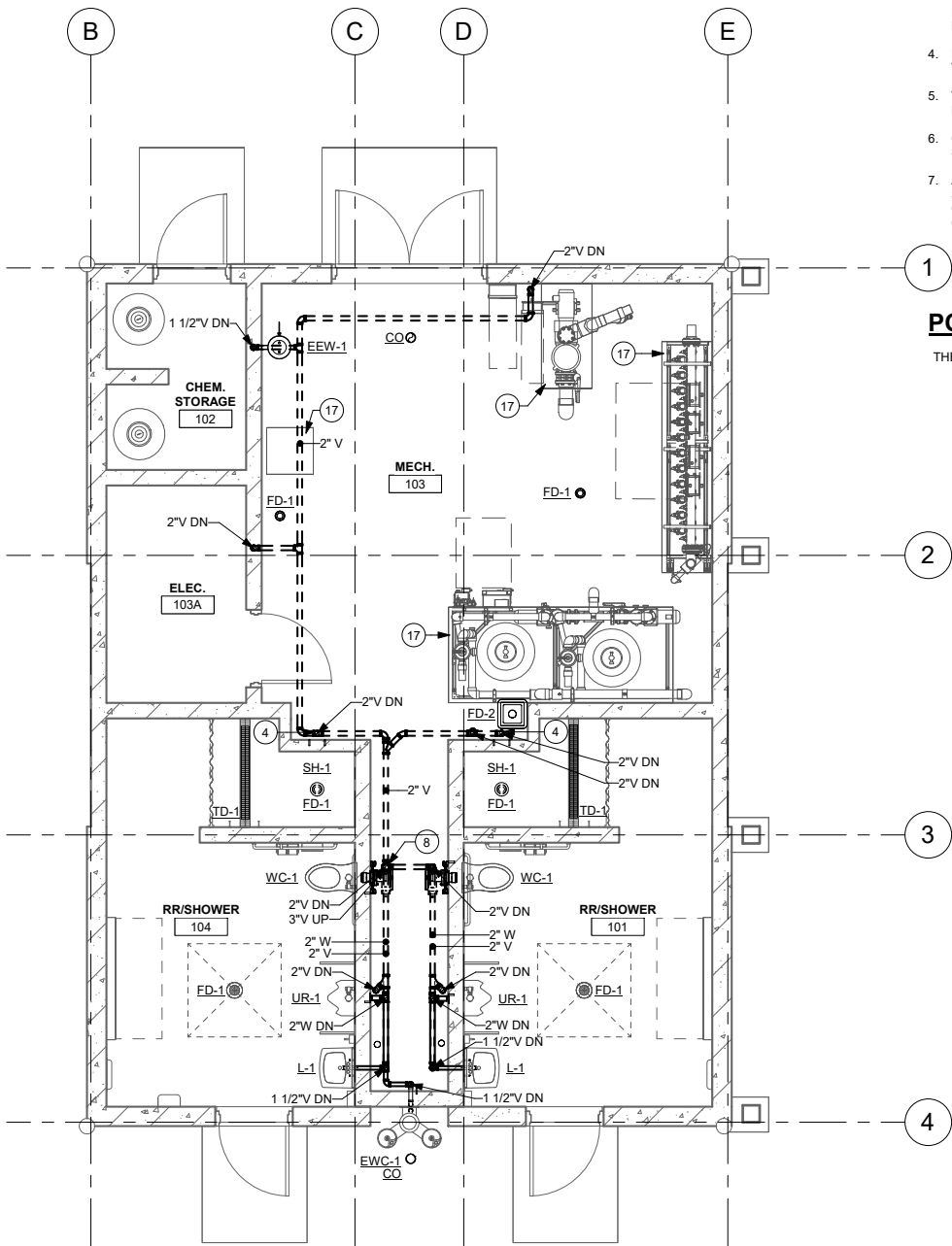
FIRST FLOOR SANITARY PLUMBING PLAN

SHEET

P2-11

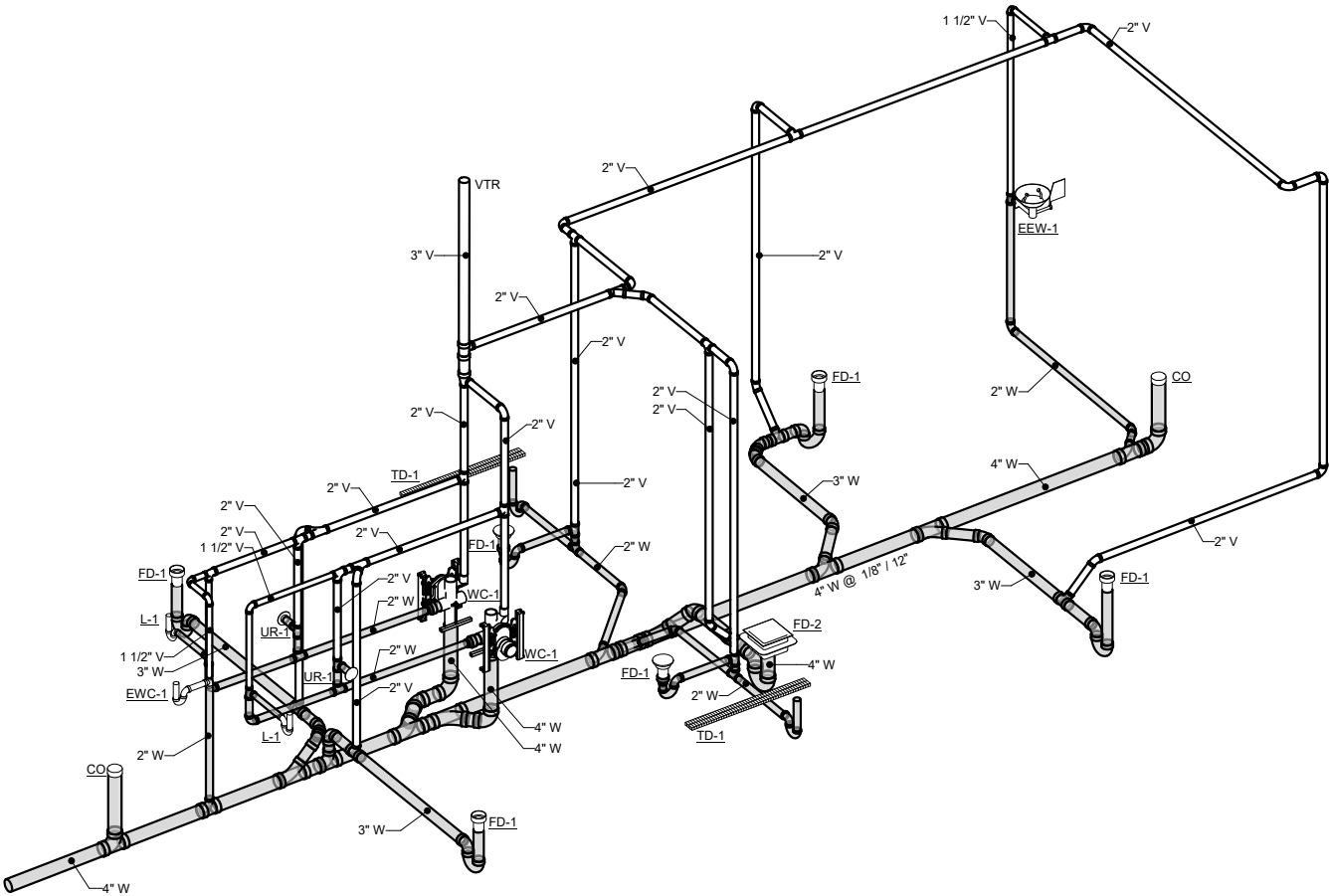


1 FOUNDATION SANITARY PLAN
1/4" = 1'-0"

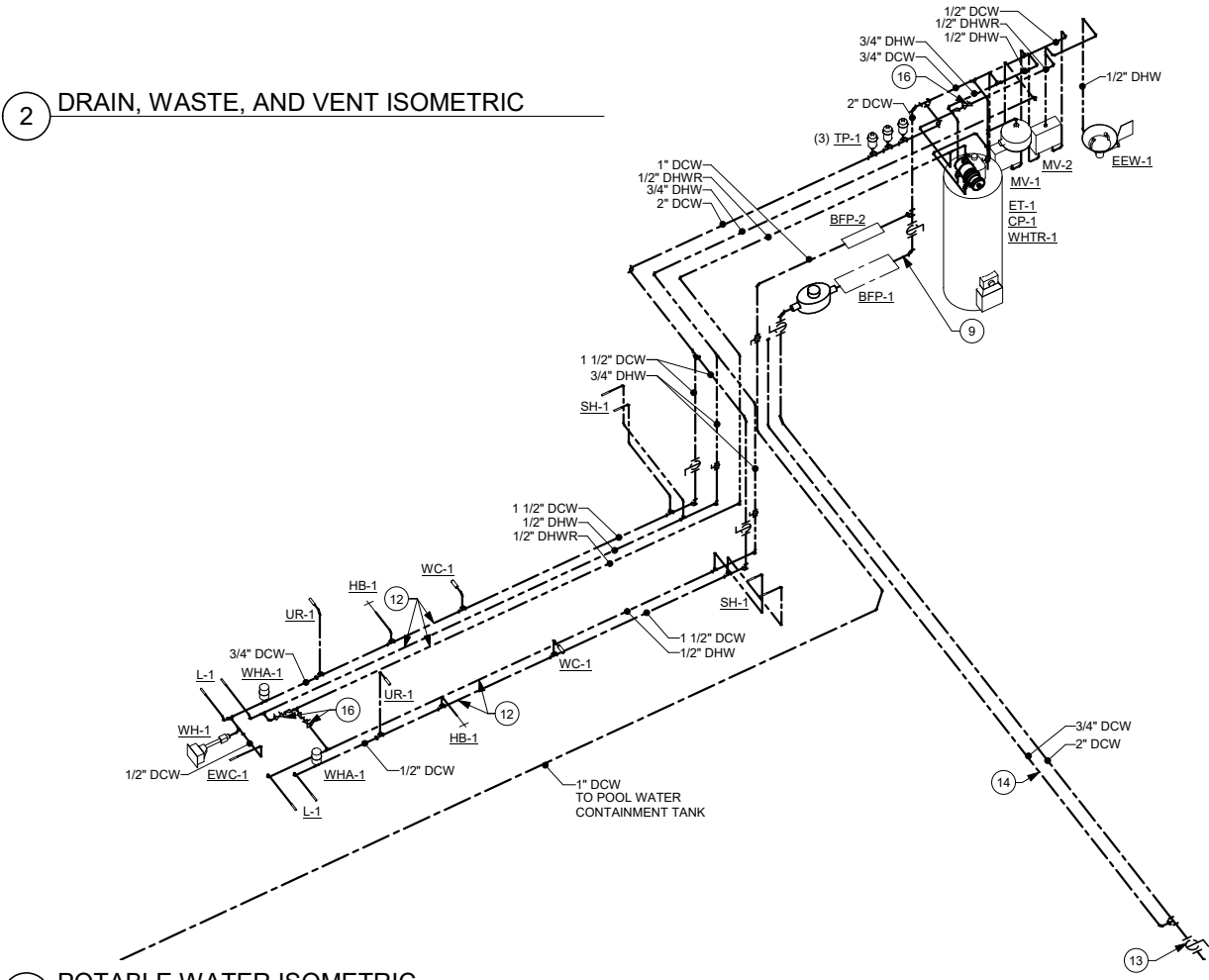


2 FIRST FLOOR SANITARY PLAN
1/4" = 1'-0"



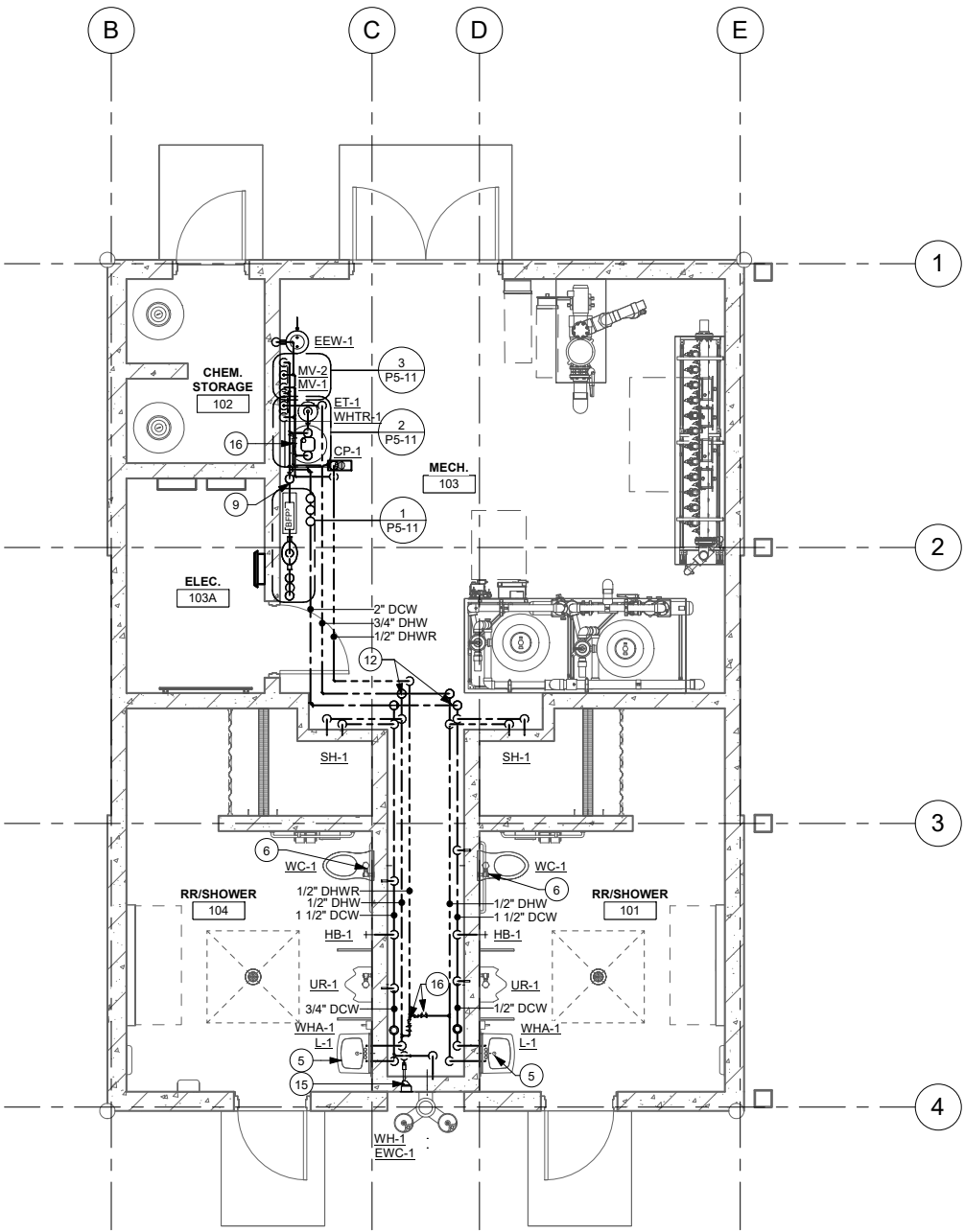


2 DRAIN, WASTE, AND VENT ISOMETRIC



3 POTABLE WATER ISOMETRIC

KEYNOTE LEGEND	
5	1/2" TRAP PRIMER LINE FROM L-1 TO FD.
6	1/2" TRAP PRIMER LINE FROM WC-1 TO TD.
9	PROVIDE DRAIN POINT WITH VALVE AT LOW POINT OF RISER FOR WINTERIZATION. PROVIDE COMPRESSED AIR QUICK CONNECTION WITH ISOLATION VALVE FOR WINTERIZATION.
12	PROVIDE DRAIN POINT WITH VALVE AT LOW POINT OF RISER FOR WINTERIZATION. SLOPE PIPING 1/16" PER FOOT TO DRAIN BACK TO LOW POINT.
13	PROVIDE CURB STOP SHUT OFF VALVE.
14	3/4" LINE FOR WINTERIZATION. CONNECT TO 2" CW LINE AFTER CURB STOP.
15	LOCATE WH-1 UNDER EWC-1. COORDINATE LOCATION.
16	BALANCING AND CHECK VALVE. SET TO 0.5 GPM.



1 FIRST FLOOR POTABLE WATER PLUMBING PLAN
1/4" = 1'-0"



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PROJECT
CITY OF GRIMES

**WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

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TITLE
**FIRST FLOOR
POTABLE WATER
PLUMBING PLAN**

SHEET
P2-21

PLUMBING FIXTURE SCHEDULE

FIXTURE	MFG	MODEL	FINISH / COLOR	TRIM			WASTE	VENT	COLD WATER	HOT WATER	NOTES
				MFG	MODEL	TYPE					
BFP-1	ZURN	975XL2	BRONZE						2"		PROVIDE WITH FOR PORT QT BALL VALVES, Y TYPE STRAINER, AND AIR GAP FITTING.
BFP-2	ZURN	975XL2	BRONZE						1"		PROVIDE WITH FOR PORT QT BALL VALVES, Y TYPE STRAINER, AND AIR GAP FITTING.
CO	ZURN	Z1400-B	NICKEL BRONZE			ROUND COVER	4"				SEE PLANS FOR SIZE
EEW-1	BRADLEY	S19224PT								0"	PROVIDE WITH PLASTIC BOWL AND P-TRAP
EW-1	ELKAY	LK4409BF	BLACK				1 1/2"	1 1/2"	1/2"		PROVIDE ZURN MODEL #Z1225 CARRIER. PROVIDE EXTENDED STUDS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
FD-1	ZURN	Z415-BZ1	NICKEL BRONZE	ZURN	TYPE 'A'	ROUND GRID TOP	3"				PROVIDE AND INSTALL UNIT FOR FINISHED FLOOR, ROUND NICKEL BRONZE TOP. PROVIDE AND INSTALL UNIT WITH NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION. FLOOR DRAINS SHALL BE SIZED PER PLANS.
FD-2	ZURN	Z566					4"				INSTALL FLUSH WITH FLOOR.
HB-1	WOODFORD	B24	CHROME	WOODFORD		WHEEL HANDLE			3/4"		UNIT TO BE INSTALLED AT 24" A.F.F. VERIFY PIPE CONNECTION TYPE. PROVIDE WITH ALUMINUM BOX.
L-1	KOHLER	K-2005	WHITE	SLOAN	ETF-600	SENSOR FAUCET	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE AND INSTALL WITH ZURN #Z1021 P-TRAP WITH TRAP PRIMER CONNECTION, ANGLE STOPS WITH LOOSE KEY HANDLES AND GRID STRAINER. LAV FAUCET TO BE 0.5 GPM, HARDWIRED, STAINLESS STEEL. PROVIDE AND INSTALL UNIT WITH PIPE WRAP KIT EQUAL TO TRUBRO. PROVIDE ZURN MODEL#Z1231 FLOOR MOUNTED CONCEALED ARM CARRIER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.
MV-1	LEONARD VALVE	TA-LF-F									PROVIDE WITH DIAL THERMOMETER AND STAINLESS STEEL SURFACE MOUNTED CABINET AND HARDWARE.
MV-2	LEONARD VALVE	TA-300-LF									PROVIDE WITH DIAL THERMOMETER AND STAINLESS STEEL SURFACE MOUNTED CABINET AND HARDWARE.
SH-1	AQUATIC	13838BFLP	WHITE	SYMMONS	3-325	SHOWER VALVE AND HEAD	2"	2"	1/2"	1/2"	PROVIDE AND INSTALL ANTI-SCALD, PUSH BUTTON SHOWER VALVE, CHROME SHOWER HEAD, AND WATER RESTRICTOR FOR SHOWER HEAD TO 2.0 GPM. VANDAL RESISTANT. PROVIDE GRAB BARS AND SEAT COMPLIANT TO A.D.A. CODE.
TD-1	ZURN	Z880									2-1/2" TRENCH DRAIN WITH STAINLESS STEEL GRATE. PROVIDE NECESSARY END CAPS AND OUTLETS. PROVIDE SIOUX CHIEF 695 SERIES TRAP PRIMER ADAPTER.
TP-1	SIOUX CHIEF	695 SERIES									
UR-1	KOHLER	K-4991-ER	WHITE	SLOAN	ROYAL 190 ESS	AUTOFLUSH VALVE	2"	1 1/2"	3/4"		PROVIDE URINAL CARRIER ZURN MODEL #Z1221. PROVIDE EXTENDED LUGS FOR CUM WALL. PROVIDE CLEANOUT 12" A.F.F. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. FLUSH VALVE 1.0 GPF, STAINLESS, HARDWIRED.
WC-1	KOHLER	K-4323	WHITE	SLOAN	ROYAL 153 ESS	AUTOFLUSH VALVE	4"	2"	1"		PROVIDE HEAVY DUTY ELONGATED WHITE OPEN FRONT PLASTIC SEAT, KOHLER K-4731-CA OR EQUIVALENT. PROVIDE WATER CLOSET CARRIER ZURN MODEL #Z1202-1HR4 WITH RIGHT HAND INLET OR ZURN MODEL #Z1202-1HL4 WITH LEFT HAND INLET. SEE PLAN FOR ORIENTATION. SEE ARCHITECTURAL DETAILS FOR MOUNTING HEIGHTS. FLUSH VALVE 1.6 GPF, STAINLESS, HARDWIRED, WITH TRAP PRIMER OUTLET.
WH-1	WOODFORD	B65	NICKEL BRONZE	WOODFORD		REMOVABLE KEY			3/4"		FREEZELESS LOCKABLE BOX WALL HYDRANT WITH VACUUM BREAKER. PROVIDE KEY. LOCATE AT 1'-6" ABOVE F.G.
WHA-1	SIOUX CHIEF	650 SERIES									

ELECTRIC WATER HEATER SCHEDULE

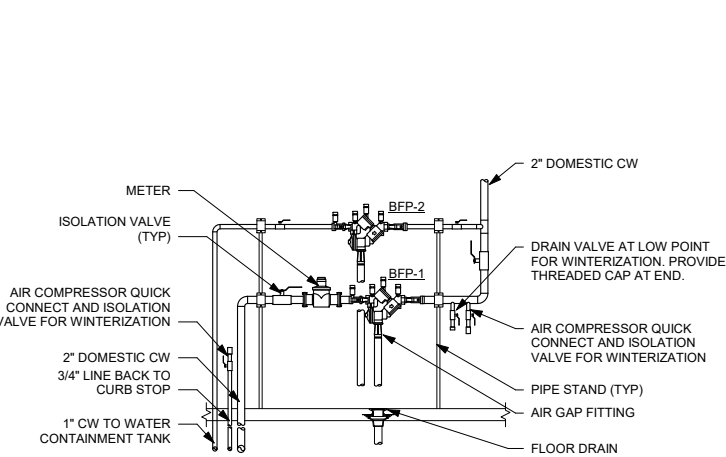
NOTES:
1. PROVIDE EXPANSION TANK AMTROL ST-5 OR EQUAL.

MARK	MFG	MODEL	SERVICE	LOCATION	GAL. CAP.	RECOVERY @ 90 DEG F. (GPH)	ELECTRICAL				NOTES	
							NUMBER OF ELEMENTS	SIMULTANEOUS OR NON- SIMULTANEOUS	WATTS	VOLTAGE / PH.		AMPS
WHTR-1	AO SMITH	ENT-40	HW	MECH. 103	40	21	2	SIMULTANEOUS	6000 W	240 / 1		1

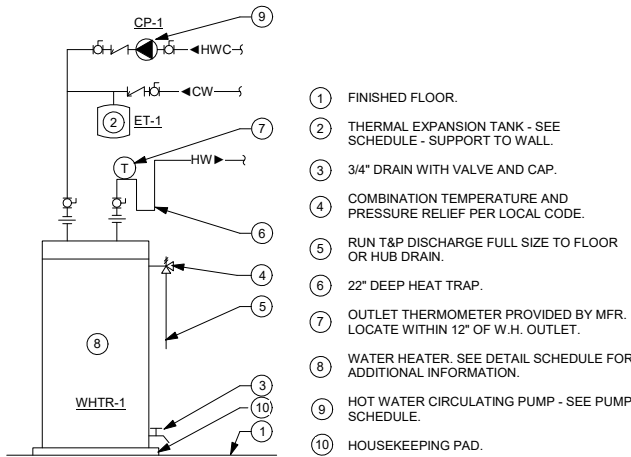
PUMP SCHEDULE

NOTES:
1. INSTALL PER MANUFACTURES INSTRUCTIONS.
2. PROVIDE TIMER/AQUASTAT.

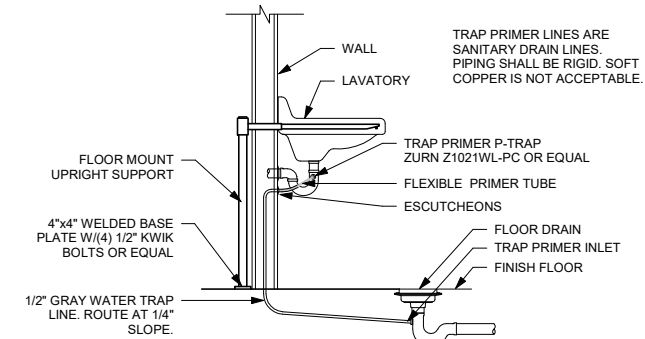
MARK	MFG	MODEL#	LOCATION	SERVICE	PUMP CONSTRUCTION	CONNECTI ON SIZE	GPM	HEAD LOSS (IN FEET)	ELECTRICAL			NOTES
									W	VOLTAGE / PH.	AMPS	
CP-1	TACO	006E3	MECH. 103	HW	COMPOSITE	1/2"	1.5	2	44	120 / 1	.54	1,2



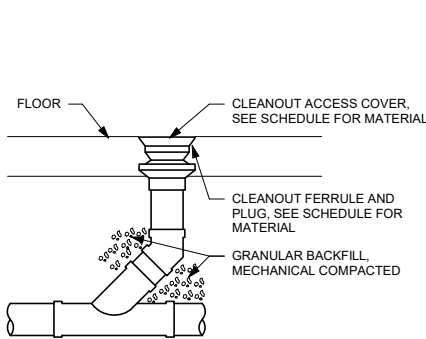
1 WATER SERVICE DETAIL
NOT TO SCALE



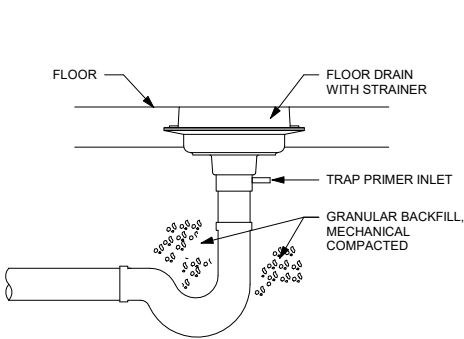
2 WATER HEATER DETAIL
NOT TO SCALE



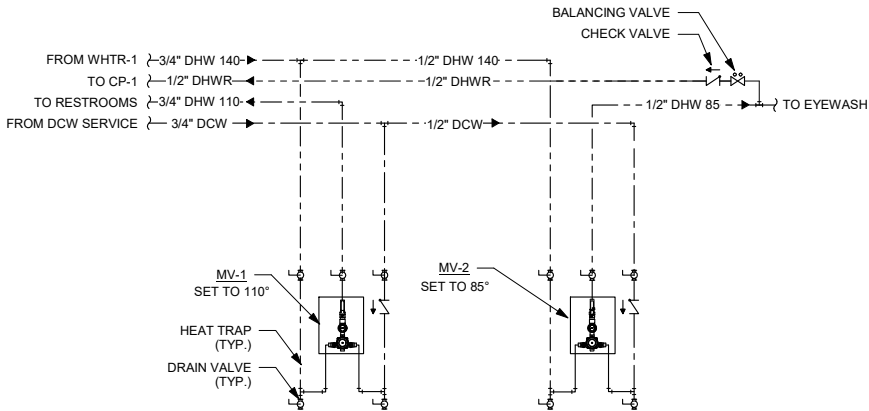
4 LAVATORY DETAIL
NOT TO SCALE



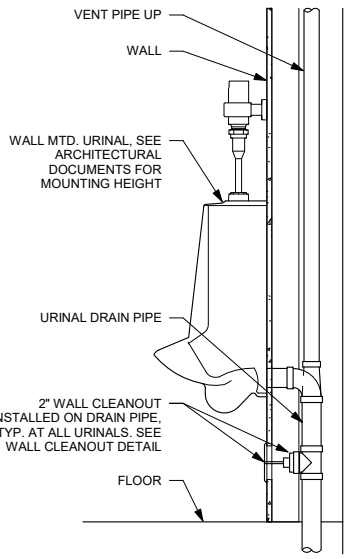
5 CLEANOUT DETAIL
NOT TO SCALE



6 FLOOR DRAIN DETAIL
NOT TO SCALE



3 MIXING VALVE DETAIL
NOT TO SCALE



7 URINAL CLEANOUT DETAIL
NOT TO SCALE

PLUMBING SYMBOL SCHEDULE

BALL VALVE	W	SANITARY WASTE
BUTTERFLY VALVE	A	COMPRESSED AIR PIPING
GATE VALVE	G	GAS
GAS COCK	V	VENT
CHECK VALVE	DCW	COLD WATER
IN LINE PUMP	DHW	HOT WATER
STRAINER	DHWR	HOT WATER RECIRC
MANUAL FLOW CONTROL VALVE	FCO	FLOOR CLEANOUT
UNION	WHTR	ELECTRIC WATER HEATER
METER	FD	FLOOR DRAIN
PIPING DROP	HB	HOSE BIBB
INLINE PIPING DROP	LAV	LAVATORY
PIPING RISE	MB	MOP BASIN
PIPE CAP	RPBP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
PIPE BREAK	SK	SINK
WALL CLEANOUT/ END FERRULE CLEANOUT	UR	URINAL
CONNECT TO EXISTING	VTR	VENT THROUGH ROOF
THERMOMETER	WSB	WATER SUPPLY BOX
CLEAN OUT	WC	WATER CLOSET
FLOOR DRAIN	NFWH	FIRE CONNECTION / WALL HYDRANT
FLOOR SINK	WCO	WALL CLEANOUT
WALL HYDRANT/ HOSE BIBB	A.F.F.	ABOVE FINISHED FLOOR
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER		



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DETAILS AND
SCHEDULES

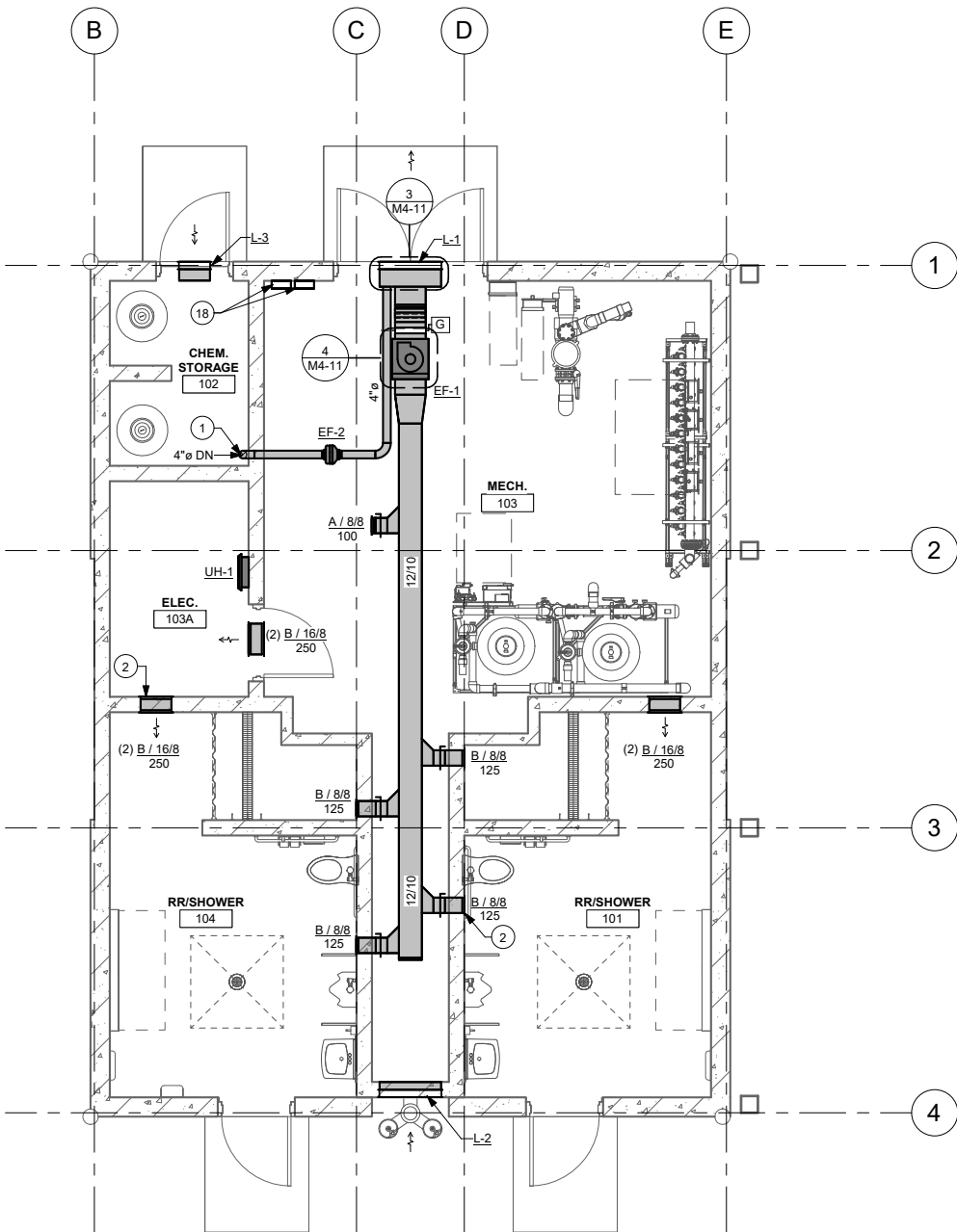
SHEET
P5-11



KEYNOTE LEGEND	
1	ROUTE DUCT DOWN ADJACENT TO WALL TO 1'-0" A.F.F. PROVIDE INSECT SCREEN ON BOTTOM OF DUCT. BALANCE TO 80 CFM.
2	ALIGN WALL GRILL WITH CMU BLOCK WALL. BOTTOM OF GRILL AT 10'-0". TYPICAL OF ALL.
18	CONTROLS LOCATION FOR EXHAUST FANS.

GENERAL MECHANICAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND NATIONAL LAWS, CODES, ORDINANCES, AND REGULATIONS, AS WELL AS LOCAL UTILITY REQUIREMENTS. PROVIDE ALL ADDITIONAL ACCESSORIES EQUIPMENT AND OTHER WORK NECESSARY FOR A PROPER AND OPERATIONAL INSTALLATION, TO SATISFY WARRANTY REQUIREMENTS, CODES OR STANDARDS. VERIFY THAT ALL EQUIPMENT PROVIDED IS SUITABLE FOR INTENDED USE. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURES INSTRUCTIONS.
- WORK NOT SPECIFICALLY SHOWN IN DETAIL, INDICATED BY REFERENCE, OR OTHERWISE IMPLIED, SHALL BE PROVIDED IN ACCORDANCE WITH THE TRADE OR INDUSTRY BEST STANDARD PRACTICE TO PROVIDE A COMPLETE INSTALLATION.
- DUCTWORK: INSTALL, SUPPORT, AND SEAL DUCTS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE DUCTS: CONNECT TO METAL DUCTS WITH LIQUID ADHESIVE PLUS TAPE. VERIFY THAT DUCTS HAVE BEEN TESTED BEFORE APPLYING INSULATION MATERIALS.
- AT FANS AND MOTORIZED EQUIPMENT ASSOCIATED WITH DUCTS, PROVIDE FLEXIBLE DUCT CONNECTIONS IMMEDIATELY ADJACENT TO THE EQUIPMENT.
- PROVIDE BALANCING DAMPERS ON DUCT TAKE-OFF TO DIFFUSERS, GRILLES, AND REGISTERS, REGARDLESS OF WHETHER DAMPERS ARE SPECIFIED AS PART OF THE DIFFUSER, GRILLE, OR REGISTER ASSEMBLY.
- VERIFY ALL FIELD CONDITIONS BEFORE WORK BEGINS.
- ALL TRADES SHALL HAVE PRE-WORK CONFERENCE AND COORDINATION TO SCHEDULE WORK, PLAN WORK, DETAIL WORK TO PROVIDE CLEAN, COMPACT, AND THOUGHTFUL CONSIDERED LAYOUT OF EQUIPMENT, DUCT, CONDUIT, PIPE, ETC.



1 FIRST FLOOR HVAC PLAN
1/4" = 1'-0"

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

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FIRST FLOOR
HVAC PLAN

SHEET

M2-11





TYPICAL HVAC ANNOTATION, SYMBOLS, AND DETAIL LEGEND

ANNOTATION LEGEND

AHU-#	- AIR HANDLING UNIT
B-#	- BOILER
C-#	- CHILLER
CC-#	- COOLING COIL
CU-#	- CONDENSING UNIT
CUH-#	- CABINET UNIT HEATER
EB-#	- ELECTRIC BASEBOARD
EF-#	- EXHAUST FAN (CABINET OR CEILING)
ERV-#	- ENERGY RECOVERY VENTILATOR
EW-#	- ELECTRIC WALL HEATER
EXP-#	- EXPANSION TANK
FT-#	- FINNED TUBE RADIATION
HRV-#	- HEAT RECOVERY VENTILATOR
HVAC-#	- HEATING, VENTILATION, AIR CONDITIONER UNIT
L-#	- LOUVER
MAU-#	- MAKE-UP AIR UNIT
MS-#	- MINISPLIT UNIT
P-#	- PUMP
PRV-#	- POWER ROOF VENTILATOR
PTAC-#	- PACKAGE TERMINAL AIR CONDITIONER
RIH-#	- ROOF INTAKE HOOD
RRH-#	- ROOF RELIEF HOOD
RTU-#	- ROOF TOP UNIT
UH-#	- UNIT HEATER
A.F.F.	- ABOVE FINISH FLOOR
EA	- EXHAUST AIR
MA	- MAKE UP AIR (CONDITIONED)
N.I.C.	- NOT IN CONTRACT
OA	- OUTSIDE AIR (UNCONDITIONED)
RA	- RETURN AIR
SA	- SUPPLY AIR
TO	- TRANSFER OPENING
TA	- TRANSFER AIR
TG	- TRANSFER GRILLE

SYMBOL LEGEND

⊕	- CONNECT TO EXISTING
⊖	- THERMOSTAT*
⊕	- TEMPERATURE SENSOR*
⊖	- HUMIDITY SENSOR*
SD	- DUCT SMOKE DETECTOR
CO	- CARBON MONOXIDE SENSOR*
CO2	- CARBON DIOXIDE SENSOR*
NO2	- NITROGEN DIOXIDE SENSOR*
P	- PRESSURE SENSOR

* LOCATE WALL MOUNTED NON-ADJUSTABLE SENSORS @ 58" A.F.F. TO CENTER AND 48" TO TOP OF ALL ADJUSTABLE SENSORS AND STATS, (UNO).

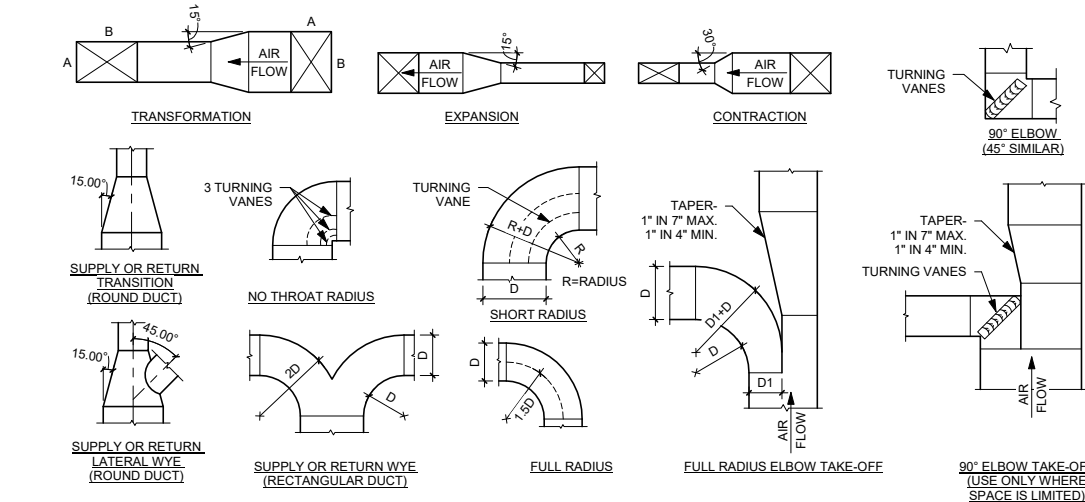
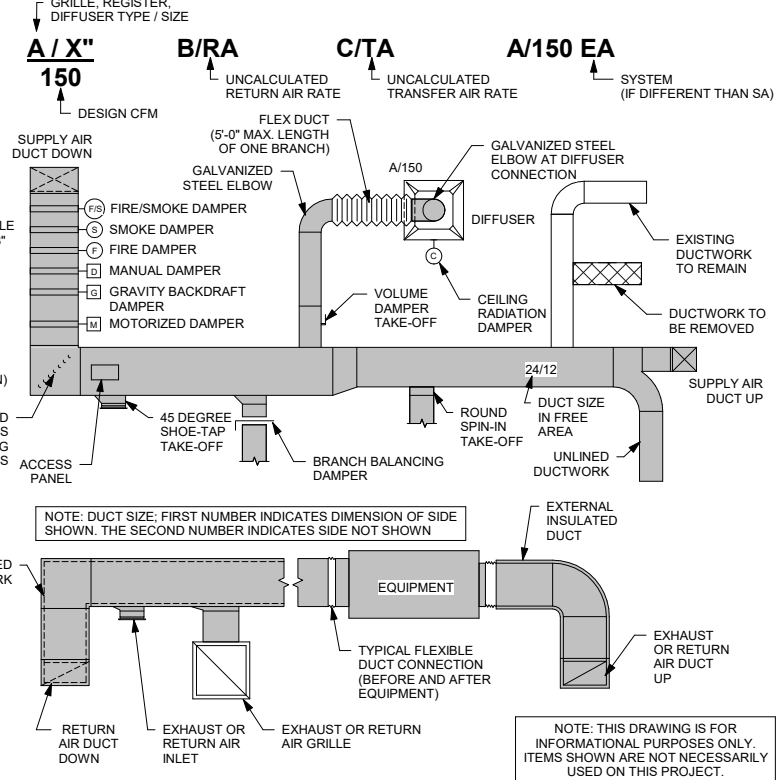
DUCTWORK LEGEND

---	- DUCTWORK (UNLINED)
---	- DUCTWORK (LINED)
---	- DUCTWORK (EXTERNAL INSULATION)
---	- EXISTING DUCTWORK
---	- NEW DUCTWORK
---	- DEMOLISH DUCTWORK
XX/XX	- RECTANGULAR DUCT SIZE
XØ	- ROUND DUCT SIZE
XXXXØ	- FLAT OVAL DUCT SIZE

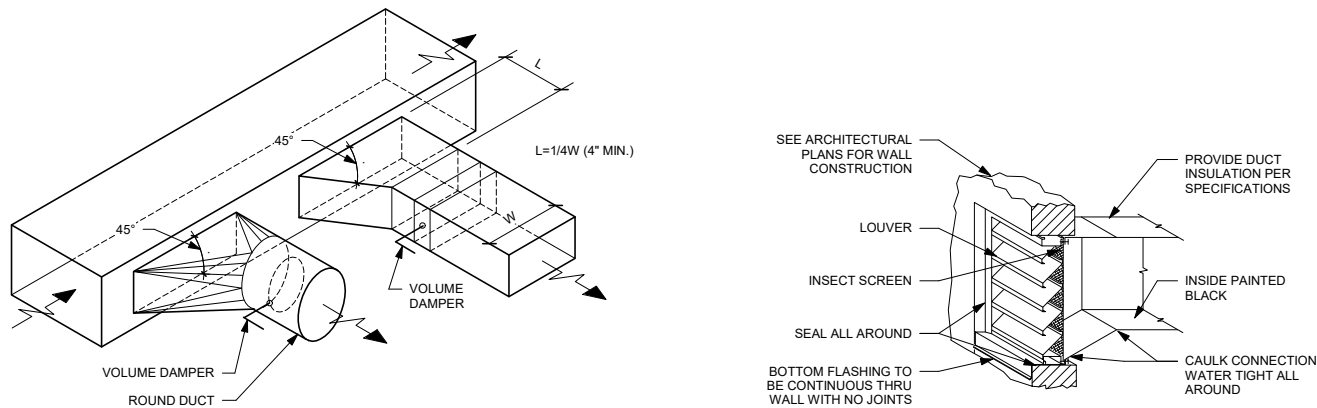
PIPING LEGEND

—HWS—	- HYDRONIC WATER SUPPLY
---HWR---	- HYDRONIC WATER RETURN
---LPS---	- LOW PRESSURE STEAM
---CD---	- CONDENSATE RETURN
---CWS---	- CHILLED WATER SUPPLY
---CWR---	- CHILLED WATER RETURN
---NG---	- NATURAL GAS PIPING
---LP---	- LIQUID PROPANE (LP) PIPING

GRILLE, REGISTER, DIFFUSER TAGS

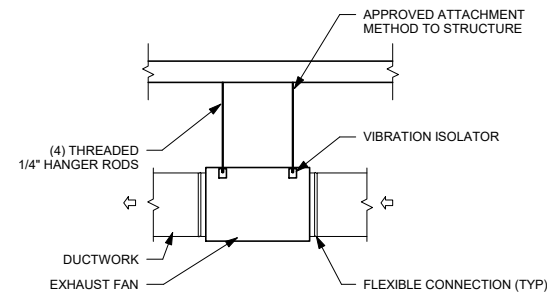


1 DUCT TRANSITIONS AND ELBOWS NOT TO SCALE



2 BEVELED DUCT TAKEOFFS NOT TO SCALE

3 LOUVER DETAIL NOT TO SCALE



4 EXHAUST FAN HANGING KIT DETAIL NOT TO SCALE

EXHAUST FAN SCHEDULE

NOTES:
1. INSTALL UNIT AS SHOWN AND AS PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE UNIT WITH DISCONNECT AND MOTOR STARTER.
3. PROVIDE UNIT WITH VIBRATION ISOLATORS FOR HANGING UNIT.
4. PROVIDE UNIT WITH SPEED CONTROLLER.
5. PROVIDE ASTRONOMIC 365 DAY ELECTRONIC CONTROL OCCUPANCY TIMER.
6. PROVIDE ON/OFF SWITCH FOR CONTROL.

MARK	MFG	MODEL	LOCATION/SERVES	DRIVE	CFM	E.S.P.	SONES	FRPM	HP	ELECTRICAL VOLTAGE / PH.	AMPS	WEIGHT	NOTES
EF-1	GREENHECK	SQ-120-C	MECH. 103	DIRECT	600	.29	3.2	860	1/8	120 / 1	--	59 lb	1,2,3,5
EF-2	FANTECH	FR 100	CHEM. STORAGE 102	DIRECT	80	.4		2850		120 / 1	.16	6 lb	1,2,3,4,6

UNIT HEATER SCHEDULE

NOTES:
1. INSTALL UNIT AS SHOWN AND AS PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE UNIT WITH DISCONNECT.
3. PROVIDE UNIT WITH SURFACE MOUNTING FRAME.
4. THERMOSTAT. SET TO (50 DEG F ADJ.)

MARK	MFG	MODEL	LOCATION	BTUH INPUT (KW)	FAN CFM	HP	RPM	ELECTRICAL VOLTAGE / PH.	AMPS	THERMOSTAT	NOTES
UH-1	QMARK	AWH3150F	ELEC. 103A	1.5	--	--	--	120 / 1	12.5	INTERNAL	1,2,3,4

LOUVER SCHEDULE

NOTES:
1. PROVIDE INSECT SCREEN.
2. COLOR BLACK.
3. PROVIDE ALUMINUM DUCT SLEEVE.

MARK	MFG	MODEL	LOCATION	SIZE	FREE AREA (SQ. FT.)	UNIT SERVICE	AIR FLOW	MAX FPM (INTAKES)	ACTUAL FPM	DAMPER	NOTES
L-1	GREENHECK	ESD-435	MECH 103	32X16	1.4	EXHAUST	680	500	498		1,2
L-2	GREENHECK	ESD-435	MECH 103	32X16	1.4	INTAKE	600	500	440		1,2
L-3	GREENHECK	BVE	CHEM STORAGE 104	16X8	--	INTAKE	80	500	--		1,2,3

DIFFUSER, REGISTER AND GRILLE SCHEDULE

MARK	MFG	MODEL #	SYSTEM TYPE	DESCRIPTION
A	GREENHECK	XG-CC1-1	EXHAUST	ALUMINUM, 1" SPACING HORIZONTAL AND VERTICAL BARS, 0 DEG DEFLECTION, MILL FINISH.
B	GREENHECK	BVF	EXHAUST	ALUMINUM, 3/4" SPACING HORIZONTAL BARS, 45 DEG DEFLECTION, PROVIDE INSECT SCREEN, COLOR BLACK.

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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 21-25768

FILE NAME 25768 Mech R22

DRAWN BY CJM

DESIGNED BY CJM

REVIEWED BY JPT

ORIGINAL ISSUE DATE 03/18/2022

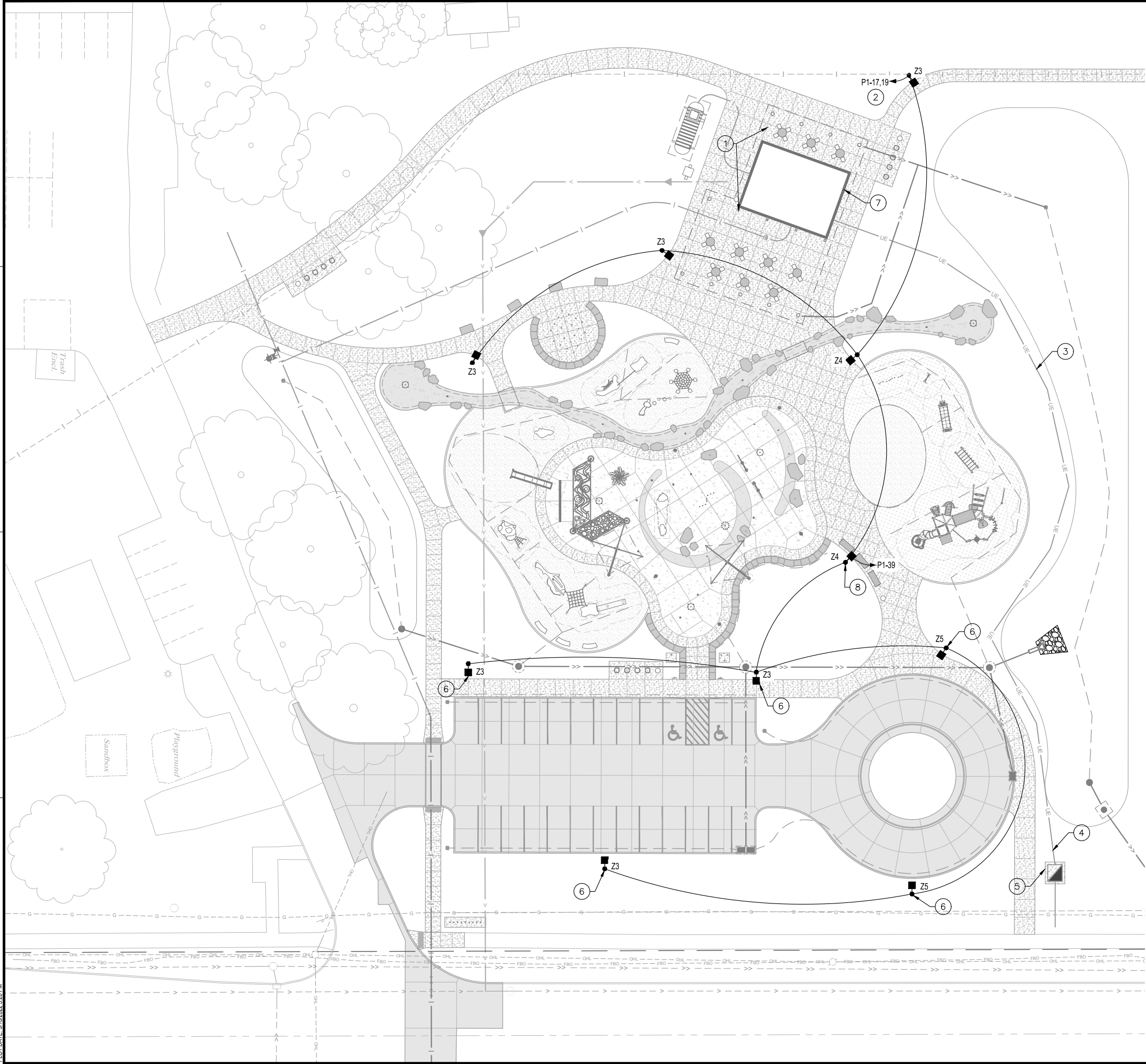
CLIENT PROJECT NO.

TITLE

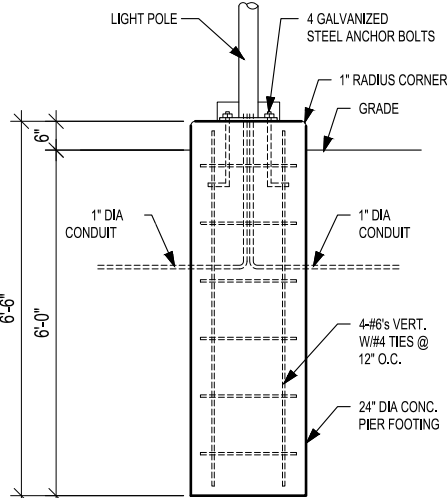
HVAC DETAILS AND SCHEDULES

SHEET

M4-11



ELECTRICAL KEYNOTE LEGEND	
KEY	KEYNOTE TEXT
①	SEE SHEET E2-21 FOR CANOPY LIGHTING.
②	PROVIDE 1" CONDUIT WITH 2-#10'S AND #10 GROUND. ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL.
③	ROUTE ELECTRICAL FEEDERS FROM METER TO SHELTER PANEL. SEE DETAIL 4 ON SHEET E4-12 FOR MORE INFORMATION.
④	PROVIDE FREE STANDING METER SOCKET AND DISCONNECT. SEE SHEET E4-12 FOR MORE INFORMATION.
⑤	PROPOSED LOCATION OF UTILITY TRANSFORMER.
⑥	POLE MOUNTED FIXTURES FOR PARKING TO BE LISTED AS AN ALTERNATE.
⑦	PROVIDE A SPARE 4" CONDUIT FOR FUTURE FIBER STUBBED OUT IN TO GREEN SPACE 5' PAST EDGE OF SIDEWALK.
⑧	PROVIDE LIGHT POLE WITH 20A GFCI RECEPTACLE AND COVER.



** LIGHT POLE BASE INSTALLED AND PROVIDED BY ELECTRICAL CONTRACTOR

① LIGHT POLE BASE DETAIL
NOT TO SCALE



CITY OF
GRIMES

NOTE:
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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

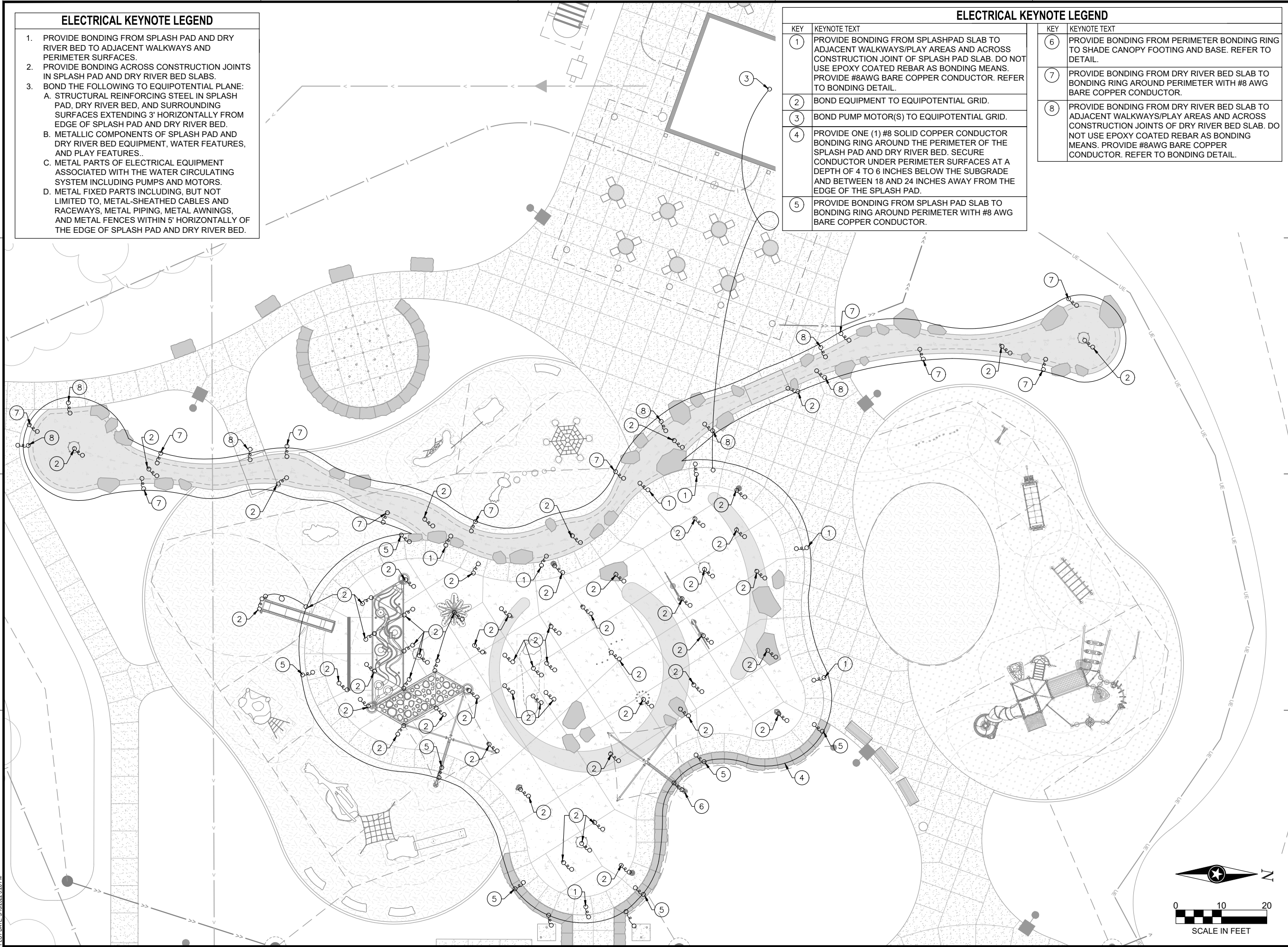
PROJECT NO.	21-25768
FILE NAME	25768 E2 - LIGHT
DRAWN BY	CGL
DESIGNED BY	JMH
REVIEWED BY	JMH
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SITE ELECTRICAL
PLAN

SHEET

E2-00



- ELECTRICAL KEYNOTE LEGEND**
1. PROVIDE BONDING FROM SPLASH PAD AND DRY RIVER BED TO ADJACENT WALKWAYS AND PERIMETER SURFACES.
 2. PROVIDE BONDING ACROSS CONSTRUCTION JOINTS IN SPLASH PAD AND DRY RIVER BED SLABS.
 3. BOND THE FOLLOWING TO EQUIPOTENTIAL PLANE:
 - A. STRUCTURAL REINFORCING STEEL IN SPLASH PAD, DRY RIVER BED, AND SURROUNDING SURFACES EXTENDING 3' HORIZONTALLY FROM EDGE OF SPLASH PAD AND DRY RIVER BED.
 - B. METALLIC COMPONENTS OF SPLASH PAD AND DRY RIVER BED EQUIPMENT, WATER FEATURES, AND PLAY FEATURES.
 - C. METAL PARTS OF ELECTRICAL EQUIPMENT ASSOCIATED WITH THE WATER CIRCULATING SYSTEM INCLUDING PUMPS AND MOTORS.
 - D. METAL FIXED PARTS INCLUDING, BUT NOT LIMITED TO, METAL-SHEATHED CABLES AND RACEWAYS, METAL PIPING, METAL AWNINGS, AND METAL FENCES WITHIN 5' HORIZONTALLY OF THE EDGE OF SPLASH PAD AND DRY RIVER BED.

- ELECTRICAL KEYNOTE LEGEND**
- | KEY | KEYNOTE TEXT |
|-----|--|
| 1 | PROVIDE BONDING FROM SPLASHPAD SLAB TO ADJACENT WALKWAYS/PLAY AREAS AND ACROSS CONSTRUCTION JOINT OF SPLASH PAD SLAB. DO NOT USE EPOXY COATED REBAR AS BONDING MEANS. PROVIDE #8AWG BARE COPPER CONDUCTOR. REFER TO BONDING DETAIL. |
| 2 | BOND EQUIPMENT TO EQUIPOTENTIAL GRID. |
| 3 | BOND PUMP MOTOR(S) TO EQUIPOTENTIAL GRID. |
| 4 | PROVIDE ONE (1) #8 SOLID COPPER CONDUCTOR BONDING RING AROUND THE PERIMETER OF THE SPLASH PAD AND DRY RIVER BED. SECURE CONDUCTOR UNDER PERIMETER SURFACES AT A DEPTH OF 4 TO 6 INCHES BELOW THE SUBGRADE AND BETWEEN 18 AND 24 INCHES AWAY FROM THE EDGE OF THE SPLASH PAD. |
| 5 | PROVIDE BONDING FROM SPLASH PAD SLAB TO BONDING RING AROUND PERIMETER WITH #8 AWG BARE COPPER CONDUCTOR. |

- ELECTRICAL KEYNOTE LEGEND**
- | KEY | KEYNOTE TEXT |
|-----|---|
| 6 | PROVIDE BONDING FROM PERIMETER BONDING RING TO SHADE CANOPY FOOTING AND BASE. REFER TO DETAIL. |
| 7 | PROVIDE BONDING FROM DRY RIVER BED SLAB TO BONDING RING AROUND PERIMETER WITH #8 AWG BARE COPPER CONDUCTOR. |
| 8 | PROVIDE BONDING FROM DRY RIVER BED SLAB TO ADJACENT WALKWAYS/PLAY AREAS AND ACROSS CONSTRUCTION JOINTS OF DRY RIVER BED SLAB. DO NOT USE EPOXY COATED REBAR AS BONDING MEANS. PROVIDE #8AWG BARE COPPER CONDUCTOR. REFER TO BONDING DETAIL. |



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PROJECT

**CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS**

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

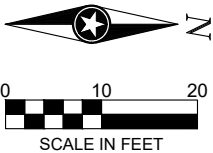
PROJECT NO.	25768
FILE NAME	25768 E2 - LIGHT
DRAWN BY	CGL
DESIGNED BY	CGL
REVIEWED BY	JMH
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	

TITLE

**SPLASH PAD
GROUNDING AND
BONDING PLAN**

SHEET

E2-01



ELECTRICAL EQUIPMENT SCHEDULE

ITEM#	DESCRIPTION	POWER REQUIREMENTS					LOCATION	PNL - CKT	WIRE #/SIZE, GND, MINIMUM CONDUIT	STARTER		DISCONNECT		NOTES
		HP	VOLTS	POLES	FLA	VA				TYPE	BY	TYPE	BY	
CP-1	CIRCULATION PUMP		120 V	1	0.5 A	44 VA	MECH. 103	P1 - 33	3/4"C, 2- 12's, 12GND	(none)	(none)	NF	EC	
EF-1	EXHAUST FAN		120 V	1	3.8 A	456 VA	MECH. 103	P1 - 35	3/4"C, 2- 12's, 12GND	(none)	(none)	NF	EC	
EF-2	EXHAUST FAN		120 V	1	0.2 A	19 VA	MECH. 103	P1 - 37	3/4"C, 2- 12's, 12GND	(none)	(none)	NF	EC	
P-1	FEATURE PUMP	10HP	240 V	2	50.0 A	12000 VA		P1 - 2,4	1"C, 2- 4's, 8GND	MAG	EC	NF	EC	
P-2	FILTRATION PUMPS	(2) 3HP	240 V	2	38.3 A	9180 VA		P1 - 6,8	3/4"C, 2- 8's, 10GND	MAG	EC	NF	EC	
UH-1	UNIT HEATER		120 V	1	6.3 A	1500 VA	ELEC. 105	P1 - 31	3/4"C, 2- 12's, 12GND	(none)	(none)	NF	WU	
WHTR-1	ELECTRIC WATER HEATER		240 V	2	25.0 A	6000 VA	MECH. 103	P1 - 28,30	3/4"C, 2- 8's, 10GND	(none)	(none)	NF	EC	

ABBREVIATION LIST		STARTER CONTRACTOR LIST		DISCONNECT TYPE		DISCONNECT BY	
COMB	COMBINATION STARTER	EC	ELECTRICAL CONTRACTOR	BO	BY OTHERS	EC	ELECTRICAL CONTRACTOR
MAG	MAGNETIC STARTER	ES	EQUIPMENT SUPPLIER	F	FUSED DISCONNECT	ES	EQUIPMENT SUPPLIER
MAN	MANUAL STARTER	MC	MECHANICAL CONTRACTOR	NF	NON-FUSED DISCONNECT	MC	MECHANICAL CONTRACTOR
SS	SOFT STARTER	WU	WITH UNIT			WU	WITH UNIT
VFD	VARIABLE FREQUENCY DRIVE						

Branch Panel: P1

Location: ELEC. 105
Supply From:
Mounting: Surface
Enclosure:

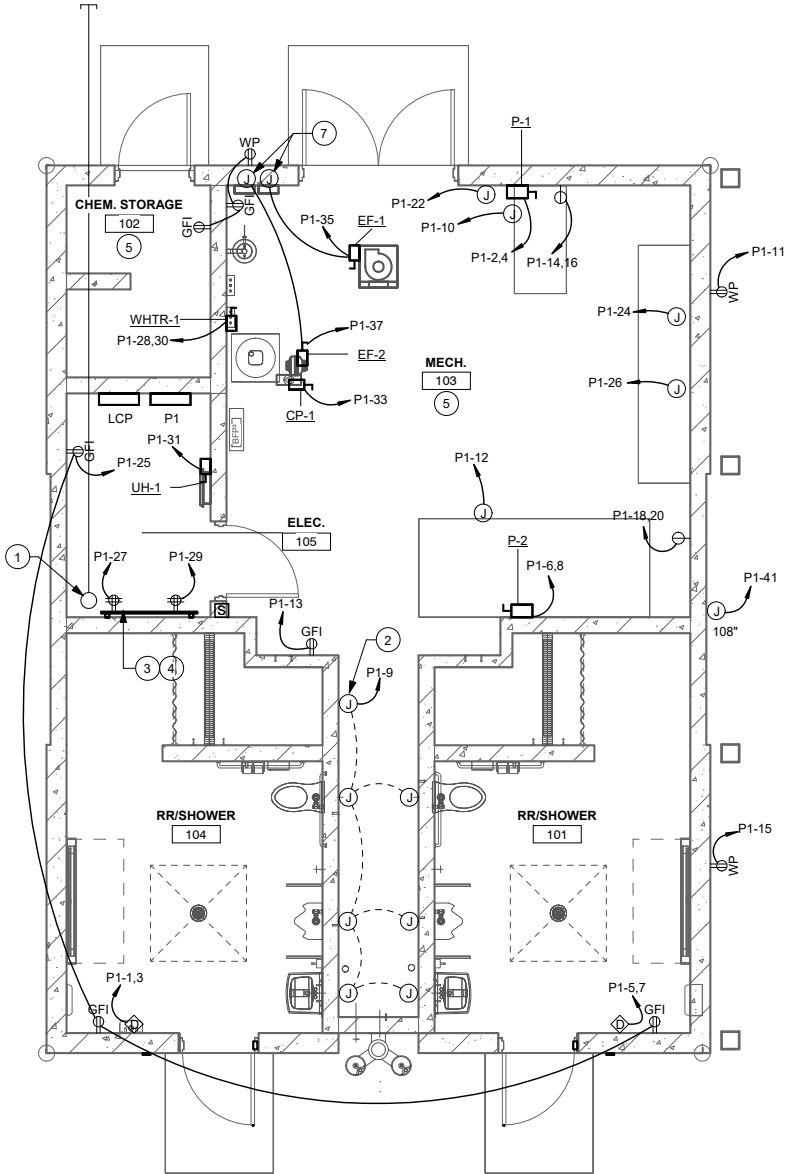
Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 22,000A
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Pole	A		B		Pole	Trip	Circuit Description	CKT
1	HAND DRYER, 104	20 A	2	1150	6000			2	65 A	P-1, FEATURE PUMP	2
3						1150	6000				4
5	HAND DRYER, 101	20 A	2	1150	4590			2	40 A	P-2, FILTRATION PUMPS	6
7						1150	4590				8
9	R.R. SENSORS	20 A	1	168	240			1	10 A	FEATURE PUMP SECONDARY	10
11	RCPT, SE EXTERIOR	20 A	1			180	240	1	10 A	FILTER PUMP SECONDARY	12
13	RCPT, E. EXT. & MECH ROOM	20 A	1	720	0						14
15	RCPT, SW EXTERIOR	20 A	1			180	0	2	65 A	(GFCI) 240V 2P SIMPLEX	16
17											18
19	SITE LIGHTING	20 A	2	355	0			2	40 A	(GFCI) 240V 2P SIMPLEX	20
21						355	0				
21	EXTERIOR SHELTER LIGHTING	20 A	1	1110	360			1	10 A	RAIN DIVERTER	22
23	INTERIOR LIGHTING	20 A	1			472	420	1	10 A	(GFCI) MAESTROPRO CNTR	24
25	RCPT, R.R. & ELECT. RM.	20 A	1	540	420			1	10 A	(GFCI) MAESTROPRO CNTR	26
27	RCPT, PHONEBOARD	20 A	1			360	3000				28
29	RCPT, PHONEBOARD	20 A	1	360	3000			2	35 A	WHTR-1	30
31											32
31	UH-1	20 A	1			1500	0	1	20 A	SPARE	34
33	CP-1	20 A	1	44	0			1	20 A	SPARE	36
35	EF-1	20 A	1			456	0	1	20 A	SPARE	38
37	EF-2	20 A	1	19	0			1	20 A	SPARE	40
39	RCPT, SITE POLE	20 A	1			0	--	1	--	BLANK	42
41	FUTURE DONOR WALL PWR	20 A	1	0	--			1	--	BLANK	
Total Load:				20174 VA		20030 VA					
Total Amps:				168 A		167 A					

Legend:



1 FIRST FLOOR POWER PLAN
1/4" = 1'-0"

SHEET NOTES

- RECEPTACLES AND LOW VOLTAGE DEVICES SHALL BE FLUSH MOUNTED IN PRECAST AND MASONRY WALLS AT ALL PUBLIC SPACES.
- RACEWAYS SHALL BE CONCEALED IN PRECAST AND MASONRY WALLS. COORDINATE WITH PRECAST WALL SUPPLIER. INCLUDE RACEWAYS FROM TECHNOLOGY PLANS.
- MAINTAIN FIRE RATING OF ALL WALLS AND FLOORS. PROVIDE FIRE PROOFING FOR ALL WALL AND FLOOR PENETRATIONS PER CODE.
- ELECTRICAL CONTRACTOR RESPONSIBILITIES INCLUDE:
 - A. FULL REVIEW OF THE SPLASH PAD EQUIPMENT DRAWINGS BY VORTEX.
 - B. INSTALLATION OF LOW VOLTAGE CABLE AND EQUIPMENT CONTROLS PROVIDED BY VORTEX.
 - C. FINISH AND INSTALL OF ALL PATHWAYS REQUIRED FOR WIRING OF VORTEX EQUIPMENT.

ELECTRICAL KEYNOTE LEGEND

KEY	KEYNOTE TEXT
1	PROVIDE A SPARE 4" CONDUIT FOR FUTURE FIBER STUBBED OUT IN TO GREEN SPACE 5' PAST EDGE OF SIDEWALK.
2	HARDWIRED FLUSH VALVE AND LAVATORY SENSORS. PROVIDE 4" SQUARE BOX FOR TRANSFORMER AND INSTALL LOW VOLTAGE CABLING TO EACH DEVICE.
3	F&I 4x4' FIRE RATED PLYWOOD FOR TELEPHONE BOARD. PROVIDE WITH (2) DEDICATED QUADRUPLUX RECEPTACLE FOR PHONEBOARD DEVICES.
4	F&I TELECOM ROOM GROUND BAR AT 1' AFF AND BELOW PHONEBOARD LOCATION. REFER TO GROUNDING ONE LINE FOR REQUIREMENTS.
5	ELECTRICAL INSTALLATIONS IN THIS SPACE SHALL BE RATED FOR A CORROSIVE ENVIRONMENT.
7	CONTROLS LOCATIONS FOR EXHAUST FANS.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 21-25768

FILE NAME

DRAWN BY JMH

DESIGNED BY JMH

REVIEWED BY CGL

ORIGINAL ISSUE DATE 03/18/22

CLIENT PROJECT NO.

TITLE

FIRST FLOOR
POWER PLAN

SHEET

E2-11

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP	TYPE COMMENTS
A1	LED STRIP LIGHT	PREMISE	VP2-4324-3	32W LED	
B1	LED SURFACE LINEAR	NULITE	RXT-R-FF-05L40-1C-U-D-B-4-VR	23W LED	
E1	LED EMERGENCY LIGHT	MULE LIGHTING	AR-LED-25-B-UNV-W	5W LED	PROVIDE UNSWITCHED HOT TO FIXTURE.
E2	LED EMERGENCY LIGHT	LIGHTALARMS	2V12N1/LD7-M-D-CW4	4W LED	PROVIDE UNSWITCHED HOT TO FIXTURE.
Z1	LED STRIP LIGHT	NULITE	RXT-R-FF-03L40-1C-U-D-B-7-VR	24W LED	
Z2	LED WALL PACK	WE-EF	OLV334 LED, 132-0539, 322-7401	28W LED	PROVIDE WITH EXTERNAL BATTERY
Z3	LED AREA LIGHT	KIM LIGHTING	ALT2P35-60L4K-240-BL-A32-SQ	71W LED	PROVIDE WITH POLE: SSSK-20-50-B-1-BLT
Z4	LED AREA LIGHT	KIM LIGHTING	ALT3P35-60L4K-240-BL-A32-SQ	71W LED	PROVIDE WITH POLE: SSSK-20-50-B-1-BLT
Z5	LED AREA LIGHT	KIM LIGHTING	ALT4P35-60L4K-240-BL-A32-SQ	71W LED	PROVIDE WITH POLE: SSSK-20-50-B-1-BLT

LIGHTING CONTROL PANEL SCHEDULE							
RELAY#	DESCRIPTION	TIMER	LOCAL CONTROL	OCC. SENSOR	VACANCY SENSOR	PHOTOCELL	UL924 EMERGENCY
1	SHELTER LIGHTING	TP-1				•	P1-21
2	SITE LIGHTING	TP-1				•	P1-17,19

Lighting Control List	
TIMER#	
TP-1	PHOTOCELL TO DETERMINE ON/OFF. TIME CLOCK OVERRIDE 8PM-8AM FIXTURES SHALL BE OFF.
TP-2	
TP-3	
TP-4	

LIGHTING SCENARIO SCHEDULE	
SCENARIO#	LIGHTING SCENARIO DESCRIPTION
LS1	MANUAL ON MANUAL OFF
LS8	OCCUPANCY SENSOR.
	OCCUPANCY SENSOR TO TURN OFF LIGHTING AFTER 20 MINUTES OF OCCUPANT LEAVING SPACE.

ELECTRICAL KEYNOTE LEGEND	
KEY	KEYNOTE TEXT
5	ELECTRICAL INSTALLATIONS IN THIS SPACE SHALL BE RATED FOR A CORROSIVE ENVIRONMENT.

SHEET NOTES	
1.	ALL EXISTING ELECTRICAL EQUIPMENT INDICATED ON PLANS ARE BASED ON INFORMATION FROM CONSTRUCTION DOCUMENTS AND FIELD OBSERVATION OF THE EXISTING BUILDING.
2.	IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE COMPATIBLE LIGHTING CONTROL DEVICES ARE SUPPLIED WITH LIGHTING PACKAGE.
3.	REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
4.	SWITCHES SHALL BE FLUSH MOUNTED IN MASONRY BLOCK AND PRECAST WALLS. COORDINATE WITH ALL TRADES.
5.	ALL LIGHTING SHALL COMPLY WITH LOCAL AND STATE ENERGY CODES.
6.	PROVIDE UNSWITCHED HOT TO ALL EXIT AND EMERGENCY LIGHT FIXTURES.
7.	PROVIDE SEPARATE BOXES AND CONDUIT FOR EMERGENCY AND NORMAL LIGHTING CIRCUITS.



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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

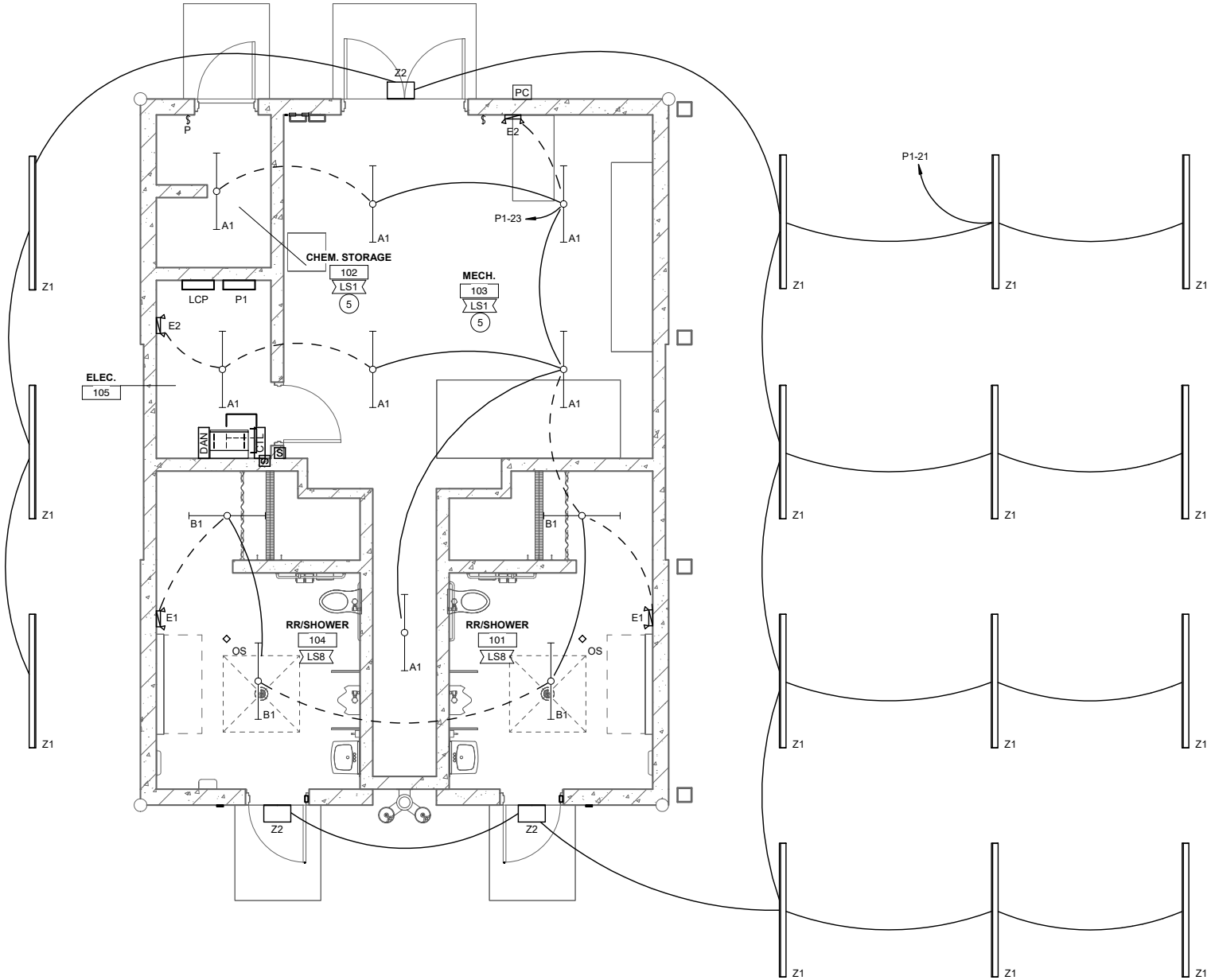
PROJECT NO.	21-25768
FILE NAME	25768 Elec R22.rvt
DRAWN BY	JMH
DESIGNED BY	JMH
REVIEWED BY	CGL
ORIGINAL ISSUE DATE	03/18/22
CLIENT PROJECT NO.	

TITLE

FIRST FLOOR
LIGHTING PLAN

SHEET

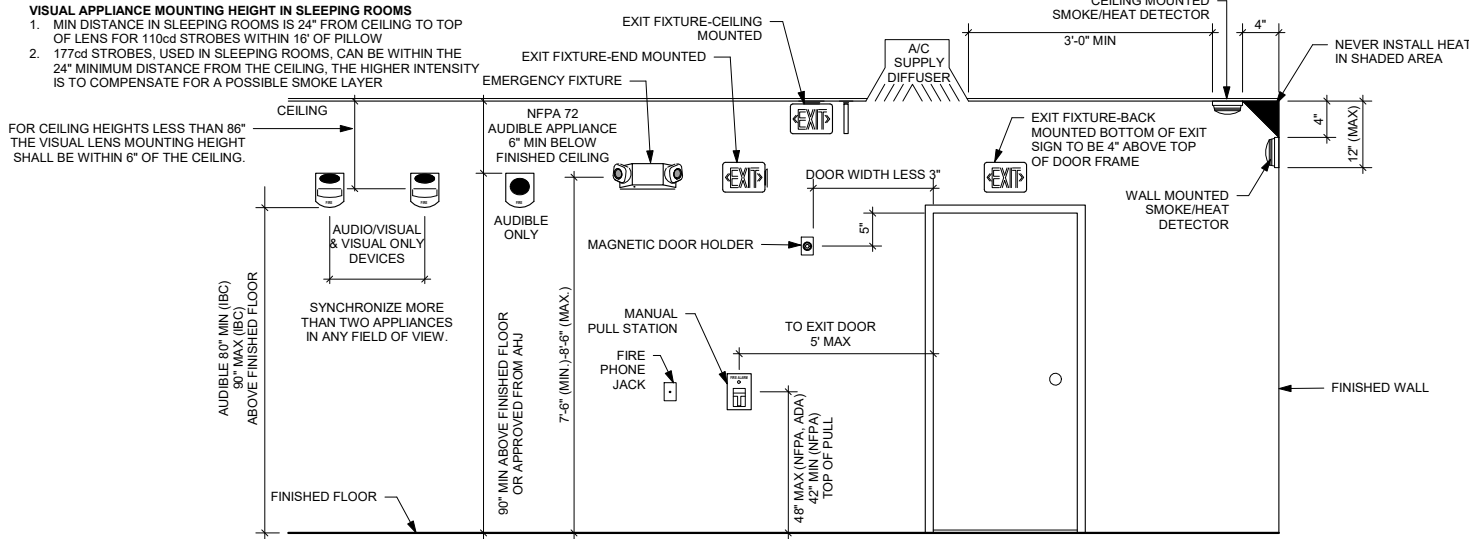
E2-21



1 FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"

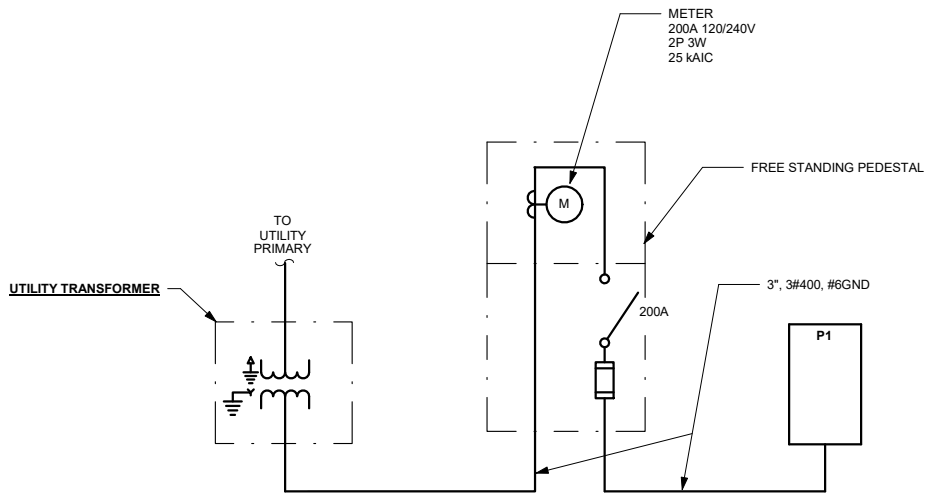


ELECTRICAL SYMBOLS LEGEND																	
RECEPTACLES		SWITCHES		MISC. POWER SYMBOLS		FIRE PROTECTION SYSTEM		NURSE CALL SYSTEM		COMMUNICATIONS		SECURITY		ELECTRICAL PANELS		TAG DESCRIPTIONS	
	SIMPLEX		SINGLE POLE		DISCONNECT		FIRE ALARM CONTROL PANEL		NURSE CONTROL PANEL		DATA JACK - WALL		ACCESS CONTROLLED DOOR		FLUSH MOUNT PANELBOARD		LIGHTING SCENARIO
	DUPLEX		DOUBLE POLE		FUSED DISCONNECT		FIRE ALARM ANNUNCIATOR PNL		DOME LIGHT		FLOOR DATA JACK		ADA DOOR OPERATOR		SURFACE MT PANELBOARD		KEYNOTE
	ISOLATED GROUND		3-WAY		FAN		SMOKE DETECTOR		DUTY STATION		DATA JACK - CEILING		CAMERA		PHONE SYSTEM		
	TAMPER RESISTANT		4-WAY		ELECT. CONTROLLED VALVE		HEAT DETECTOR		ZONE LIGHT		TELEPHONE JACK - WALL		CARD READER - ELECTRONIC				
	WEATHER PROOF W/GFI		EMERGENCY		FUSESTAT		HORN STROBE		STAFF STATION		DATA/VOICE JACK - WALL		DURESS BUTTON				
	GROUND FAULT INTERRUPT		FAN		HAND DRYER		HORN ONLY		NURSE/TOILET STATION		TELEVISION JACK		DOOR CONTACT				
	CONTROLLED RECEPTACLE		KEY OPERATED		HAIR DRYER		STROBE ONLY (C = CLG MTD)				SPEAKER - CEILING		RECEIVER				
	COUNTERTOP RECEPTACLE		LOW VOLTAGE		HEATER		SPKR STROBE (C = CLG MTD)				SPEAKER - WALL/SURFACE		DOOR ALARM ANNUNCIATOR				
	COMBO RECEPTACLE / USB		PILOT LIGHT		JUNCTION BOX						CLOCK		ELECTRIC LOCK				
	HIGH VOLTAGE		TIMER		MOTOR		EXTERIOR HORN W/ STROBE				BELL		DOOR SECURITY MONITOR				
	SPLIT WIRE		CIRCUIT BREAKER		MOTOR WITH DISCONNECT		MINI HORN				BUZZER		KEY CARD PAD				
	DOUBLE DUPLEX		DIMMER		RELAY		ANSUL TIE				INTERCOM		PUSH BUTTON				
	220 VOLT		ILLUMINATED HANDLE		SOLENOID VALVE		SPRINKLER TAMPER SWITCH				MICROPHONE		AREA OF RESCUE-CALL				
	SPECIAL PURPOSE		MOTOR				SPRINKLER FLOW SWITCH				SPEAKER/CLOCK		SECURITY ALARM HORN				
	CEILING MOUNTED RECPT		SPEED CONTROLLER		COMBINATION STARTER & DISC		WALL SPEAKER - FIRE				TIME CLOCK						
	CEILING MOUNTED SP RECPT		SPRING WOUND TIMER		MOTOR STARTER		CEILING SPEAKER - FIRE				WIRELESS ACCESS POINT						
	FLOOR BOX RECEPTACLE		MOMENTARY CONTACT		THERMOSTAT		MAGNETIC DOOR HOLDER				TOUCHPAD						
			WEATHER PROOF				MANUAL PULL STATION				PROJECTOR						
			OCCUPANCY SENSOR-WALL		DUCT-TYPE SMOKE DETECTOR		ADDRESSABLE INPUT MODULE				BLUETOOTH						
			OCCUPANCY SENSOR-CLG		USB CHARGING STATION		ADDRESSABLE OUTPUT MOD.										
			OCC SENSOR-POWER PACK				ABORT SWITCH										
			PHOTO CELL				BELL-CHIME										
			3-BUTTON SWITCH				END OF LINE RESISTOR										
			LOW VOLTAGE SWITCH / TYPE				FIRE/SMOKE DAMPER										
							SMOKE DAMPER										



5 TYPICAL MOUNTING HEIGHTS
NOT TO SCALE

ONE LINE LEGEND	
EXISTING	—————
DEMOLISHED	- - - - -
NEW	—————
ENCLOSURE	- - - - -



4 ONE LINE ELECTRICAL RISER
NOT TO SCALE



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PROJECT

CITY OF GRIMES

WATERWORKS

PARK

IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	
DRAWN BY	JMH
DESIGNED BY	JMH
REVIEWED BY	CGL
ORIGINAL ISSUE DATE	03/18/22
CLIENT PROJECT NO.	

TITLE

ELECTRICAL

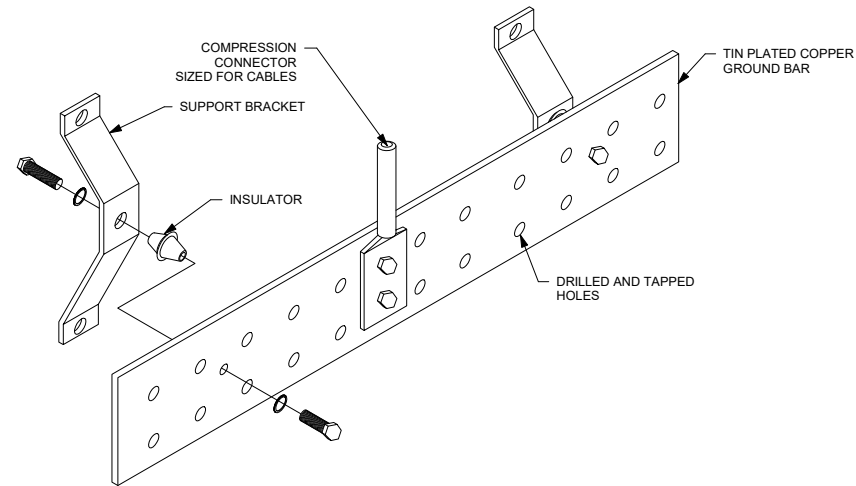
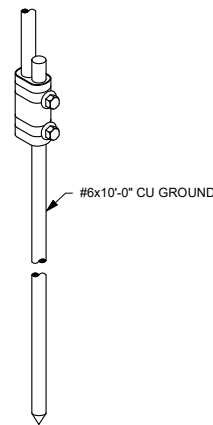
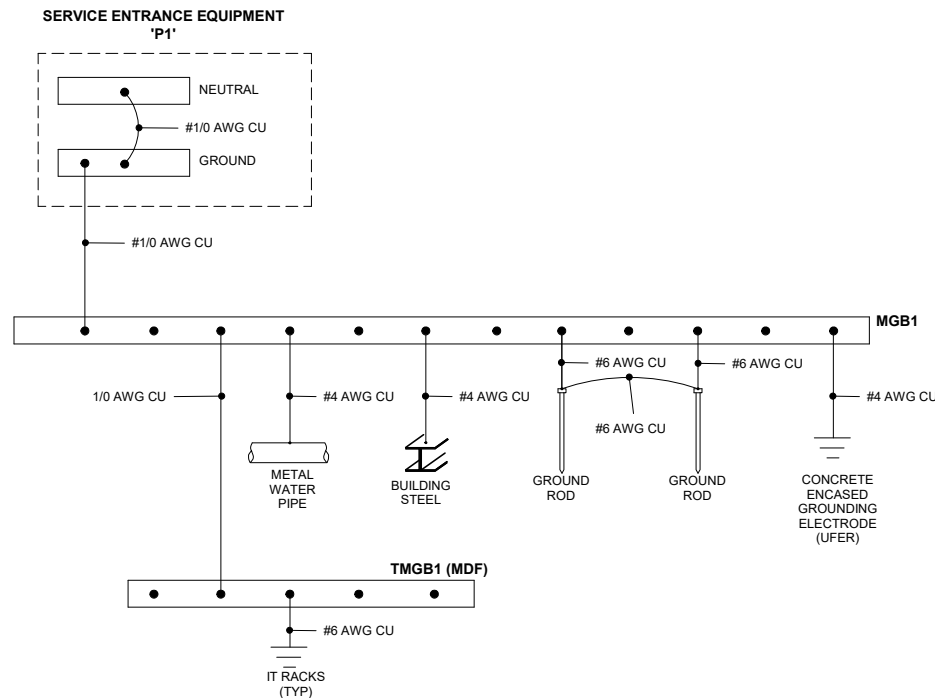
SYMBOLS,

SCHEDULES AND

DETAILS

SHEET

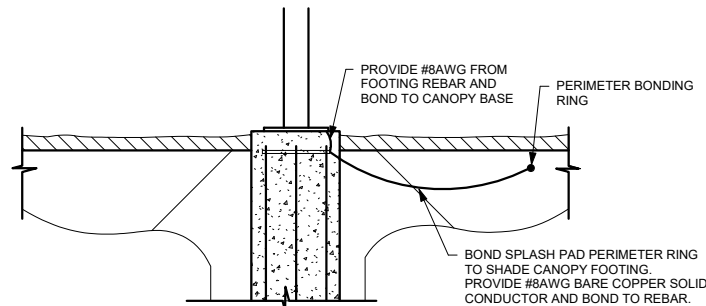
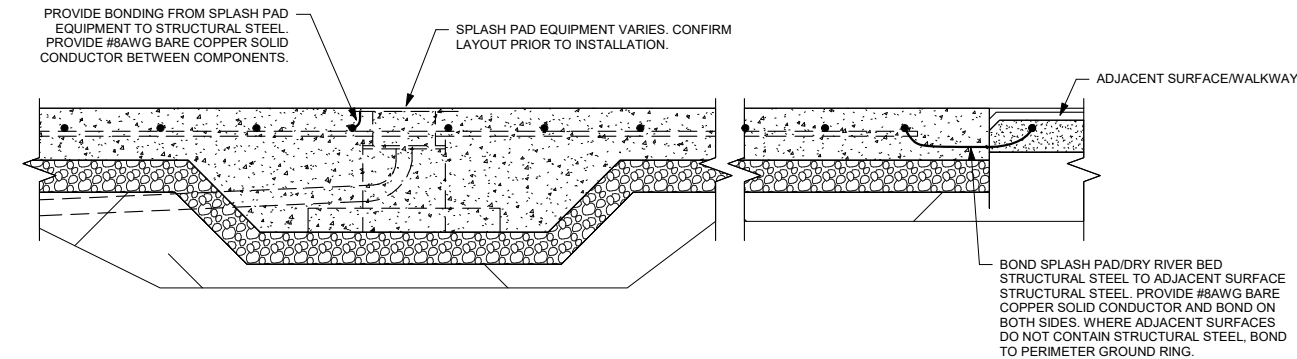
E4-12



1 GROUNDING ONE LINE DIAGRAM DETAIL
NOT TO SCALE

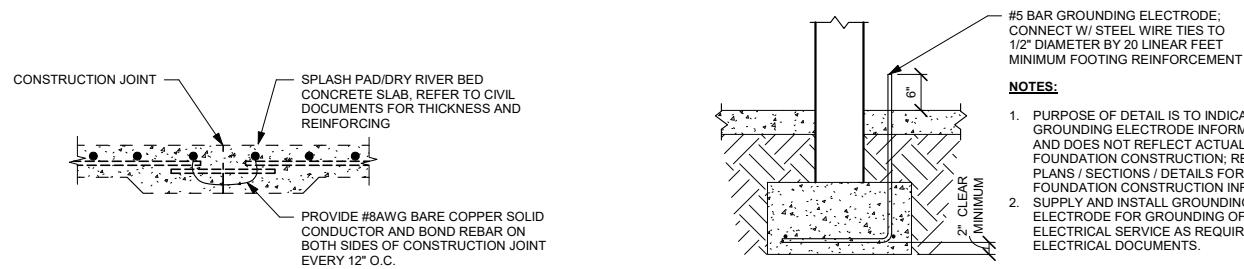
2 GROUNDING DETAIL
NOT TO SCALE

3 GROUND BAR
NOT TO SCALE



4 SPLASH PAD EQUIPMENT BONDING DETAIL
NOT TO SCALE

5 SHADE CANOPY BONDING DETAIL
NOT TO SCALE



- NOTES:**
- PURPOSE OF DETAIL IS TO INDICATE TYPICAL GROUNDING ELECTRODE INFORMATION ONLY AND DOES NOT REFLECT ACTUAL FOUNDATION CONSTRUCTION. REFER TO PLANS / SECTIONS / DETAILS FOR FOUNDATION CONSTRUCTION INFORMATION.
 - SUPPLY AND INSTALL GROUNDING ELECTRODE FOR GROUNDING OF ELECTRICAL SERVICE AS REQUIRED BY ELECTRICAL DOCUMENTS.

6 CONSTRUCTION JOINT BONDING DETAIL
NOT TO SCALE

7 GROUNDING ELECTRODE DETAIL
NOT TO SCALE

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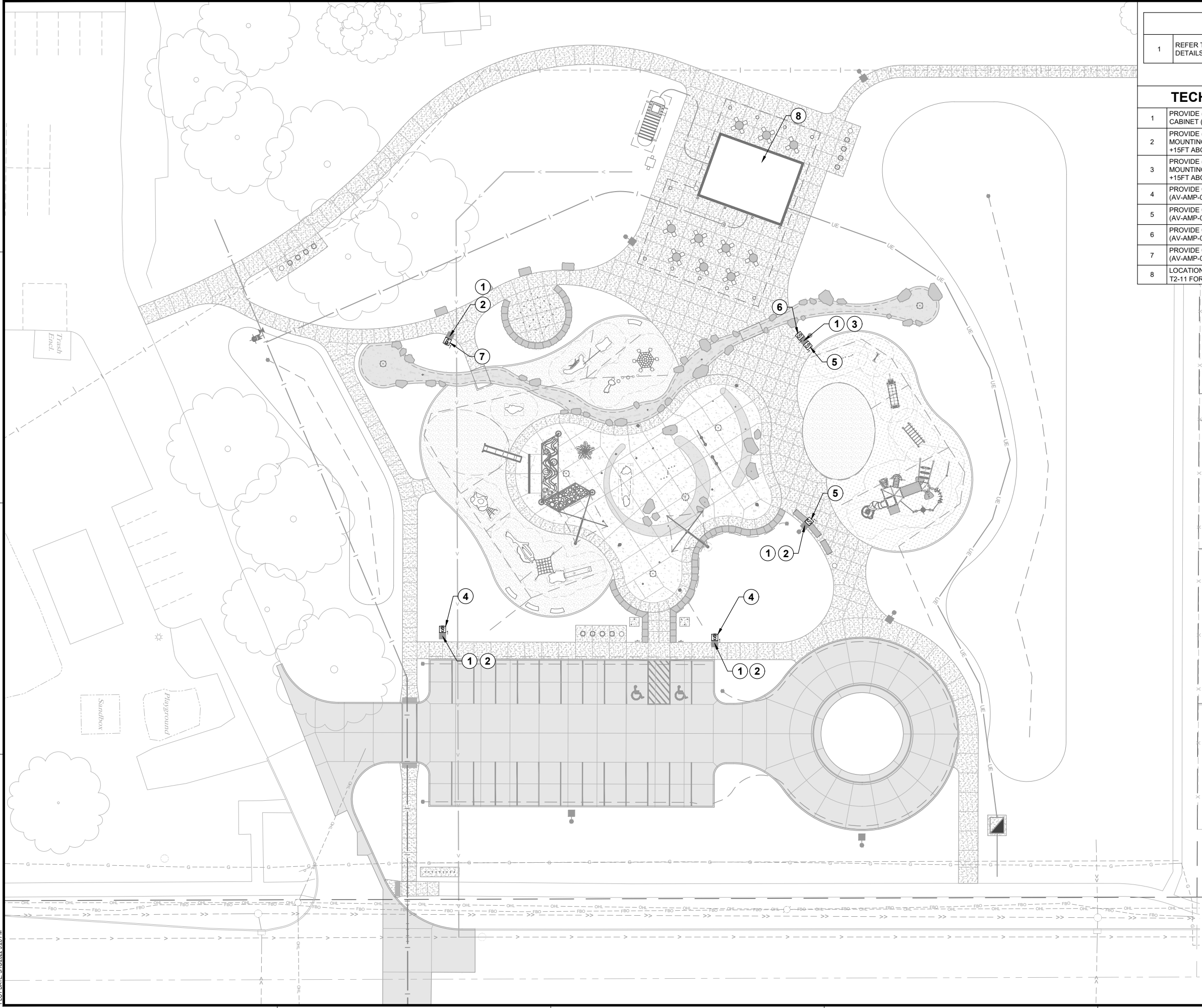
PROJECT
CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS
GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO. 21-25768
FILE NAME
DRAWN BY JMH
DESIGNED BY JMH
REVIEWED BY CGL
ORIGINAL ISSUE DATE 03/18/22
CLIENT PROJECT NO.

TITLE
ELECTRICAL
DETAILS

SHEET
E4-13



SHEET NOTES

1 REFER TO TECHNOLOGY SHEETS, T4-11- TECHNOLOGY DETAILS, FOR ADDITIONAL INFORMATION.

TECH KEYNOTE LEGEND

- | | |
|---|---|
| 1 | PROVIDE (1) 1-1/4" CONDUIT FROM LIGHT POLE TO AV CABINET (AV-CAB-01) IN MECH 103 FOR SPEAKER CABLING. |
| 2 | PROVIDE (1) SPEAKER (AV-SPK-01) AND ALL NECESSARY MOUNTING HARDWARE (AV-MNT-01), TO BE MOUNTED +15FT ABOVE GROUND LEVEL. |
| 3 | PROVIDE (2) SPEAKERS (AV-SPK-01) AND ALL NECESSARY MOUNTING HARDWARE (AV-MNT-01), TO BE MOUNTED +15FT ABOVE GROUND LEVEL. |
| 4 | PROVIDE CONNECTION FROM POWER AMPLIFIER (AV-AMP-01) CHANNEL 1 TO SPEAKER (AV-SPK-01). |
| 5 | PROVIDE CONNECTION FROM POWER AMPLIFIER (AV-AMP-01) CHANNEL 2 TO SPEAKER (AV-SPK-01). |
| 6 | PROVIDE CONNECTION FROM POWER AMPLIFIER (AV-AMP-01) CHANNEL 3 TO SPEAKER (AV-SPK-01). |
| 7 | PROVIDE CONNECTION FROM POWER AMPLIFIER (AV-AMP-01) CHANNEL 4 TO SPEAKER (AV-SPK-01). |
| 8 | LOCATION OF AV CABINET (AV-CAB-01). REFER TO SHEET T2-11 FOR MORE INFORMATION. |

ISG

CITY OF
GRIMES

NOTE:
THE CLARITY OF THESE PLANS DEPEND
UPON COLOR COPIES. IF THIS TEXT DOES
NOT APPEAR IN COLOR, THIS IS NOT AN
ORIGINAL PLAN SET AND MAY RESULT IN
MISINTERPRETATION.

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PROJECT

CITY OF GRIMES WATERWORKS PARK IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	21-25768
FILE NAME	25768 T1 - TECH
DRAWN BY	MJE/PCN
DESIGNED BY	JDH/NSG/PCN
REVIEWED BY	JDH/NSG
ORIGINAL ISSUE DATE	03/18/2022
CLIENT PROJECT NO.	-

TITLE

SITE TECHNOLOGY PLAN

SHEET

T1-00



SHEET NOTES

1. REFER TO ELECTRICAL SITE PLAN E2-00, TECHNOLOGY SITE PLAN T1-00 AND AUDIOVISUAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TECH KEYNOTE LEGEND

20	COORDINATE LOCATION OF AV CABINET (AV-CAB-01) WITH OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
21	COORDINATE LOCATION OF AV CONTROLLER (AV-CTL-01) WITH OWNER PRIOR TO ROUGH-IN AND INSTALLATION.
22	PROVIDE NEMA 4X RATED 1 GANG BOX FOR AV CONTROLLER (AV-CTL-01).
23	DANTE ADAPTER (AV-DAN-01) TO BE LOCATED WITHIN AV CABINET (AV-CAB-01) AND CONNECT MEDIA PLAYER (AV-MP-01) TO DANTE DSP (AV-DSP-01).

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PROJECT

CITY OF GRIMES
WATERWORKS
PARK
IMPROVEMENTS

GRIMES IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

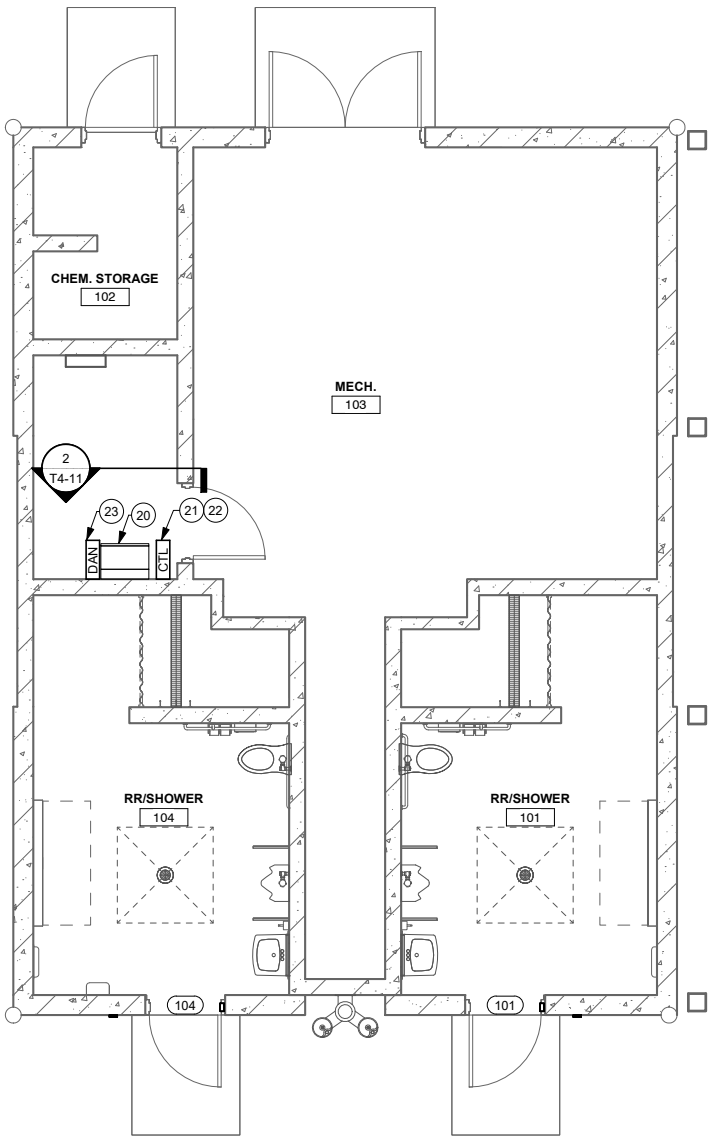
PROJECT NO.	21-25768
FILE NAME	25768 Elec R22
DRAWN BY	BLF
DESIGNED BY	BLF/ER
REVIEWED BY	CGL
ORIGINAL ISSUE DATE	03/18/22
CLIENT PROJECT NO.	

TITLE

FIRST FLOOR
TECHNOLOGY
PLAN

SHEET

T2-11



1 FIRST FLOOR TECHNOLOGY PLAN
1/4" = 1'-0"





BIRD'S EYE VIEW



Architecture + Engineering + Environmental +

WATER WORKS PARK
Grimes, Iowa - 25768 - 1/26/22

ISGInc.



NATURAL PLAYScape



Architecture + Engineering + Environmental +

WATER WORKS PARK
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VIEW FROM PARKING LOT



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WATER WORKS PARK
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SPLASH PAD UP CLOSE



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WATER WORKS PARK
Grimes, Iowa - 25768 - 1/26/22

ISGInc.



VIEW FROM SHELTER



Architecture + Engineering + Environmental +

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SHELTER VIEW



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VIEW FROM PARKING LOT



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WATER WORKS PARK
Grimes, Iowa - 25768 - 1/26/22

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Oak Tree



Pine Tree



Gusher



Spray Cannon



Water Journey



SPLASH PAD AMMENITIES



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WATER WORKS PARK

Grimes, Iowa - 25768 - 1/26/22

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All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.
Waterslide shown in Classic finish.



All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.

Waterslide shown in Classic finish.



All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.

Waterslide shown in Classic finish.



Water Works Park Splashpad - IA, USA
Version B - 37432

DESIGN CONCEPT
View 3



All 3D renders shown are for illustration purposes only. Actual colors, textures and finishes may differ from renders.
Waterslide shown in Classic finish.

SPLASHPAD DIMENSION

TOTAL AREA : 6641 ft² 616m²

SPRAY AREA : 5294 ft² 492m²

GRID SIZE : 10 x 10 ft 3 x 3 m

PRODUCT LEGEND

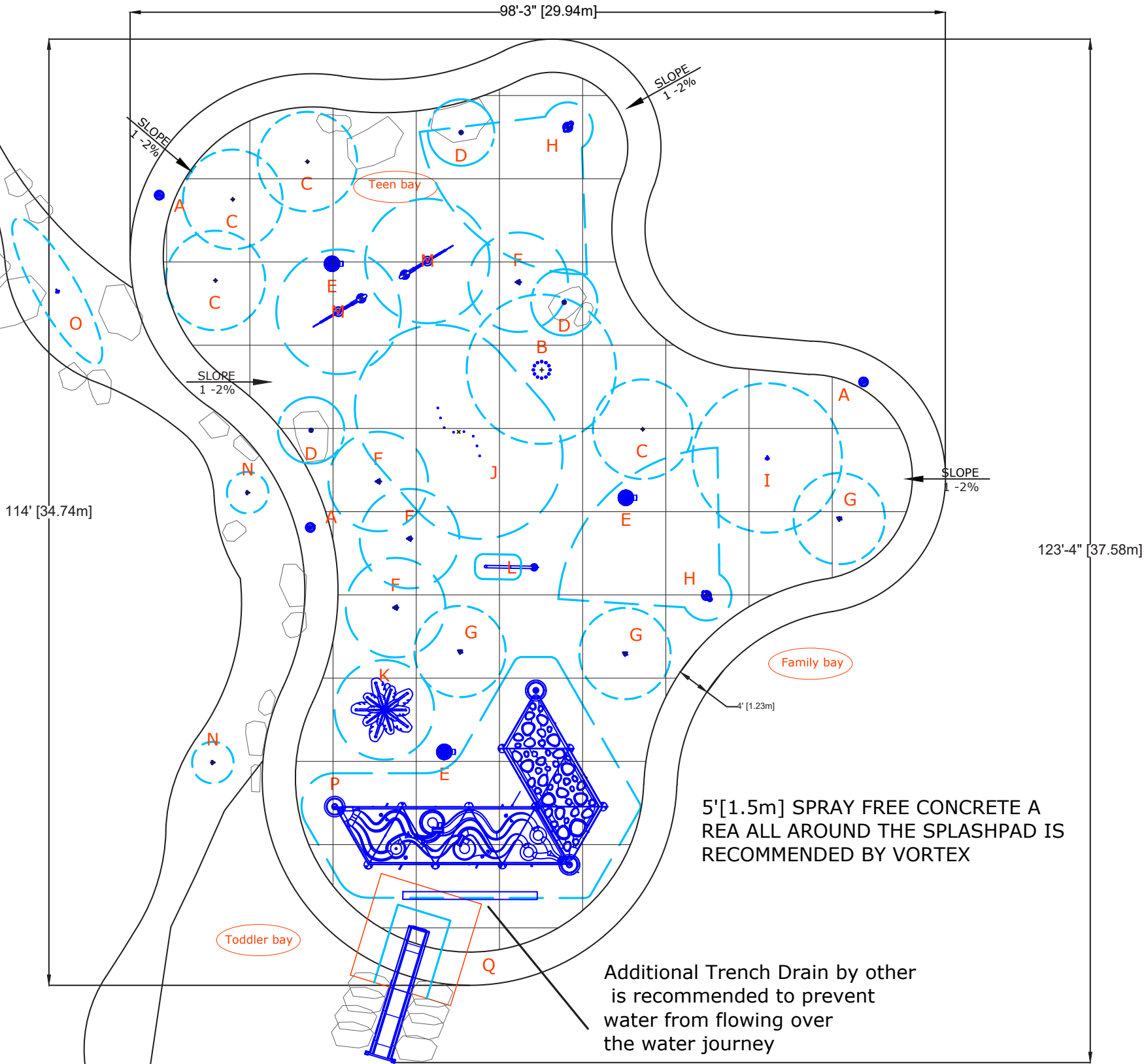
REF	PRODUCT	QTY	GPM	LPM
A	Bollard Activator No 3 VOR 0611	3	0.0	0.0
B	Donut Spray VOR 0306	1	37.5	141.9
C	Gusher VOR 0300	4	56.0	212.0
D	Water Jelly N°1 -on rock VOR 7010	3	18.0	68.1
E	Playsafe Drain N°4 VOR 1004	3	0.0	0.0
F	Side Winder VOR 7518	4	26.0	98.4
G	Spidey Spray N°2 VOR 7674	3	25.5	96.5
H	Spray Cannon VOR 0201	2	10.0	37.9
I	Water Bloom N°1 VOR 0322	1	9.0	34.1
J	Water Tunnel N°3 VOR 7641	1	24.0	90.8
K	Pine Tree VOR 8610	1	25.0	94.6
L	Rio Watercurtain VOR-7244	1	82.5	312.3
M	Custom Oak Tree VOR 8493	2	23.0	87.1
N	Jet Stream N°1 VOR 7512	2	5.0	18.9
O	Directional Jet N°2 VOR 0321	1	3.0	11.4
P	Water Journey Configuration N°1	1	9.5	36.0
Q	Kiddie Racer Slide 40" Deck	1	30	113.5
		QTY	GPM	LPM
TOTAL		34	153	579.2

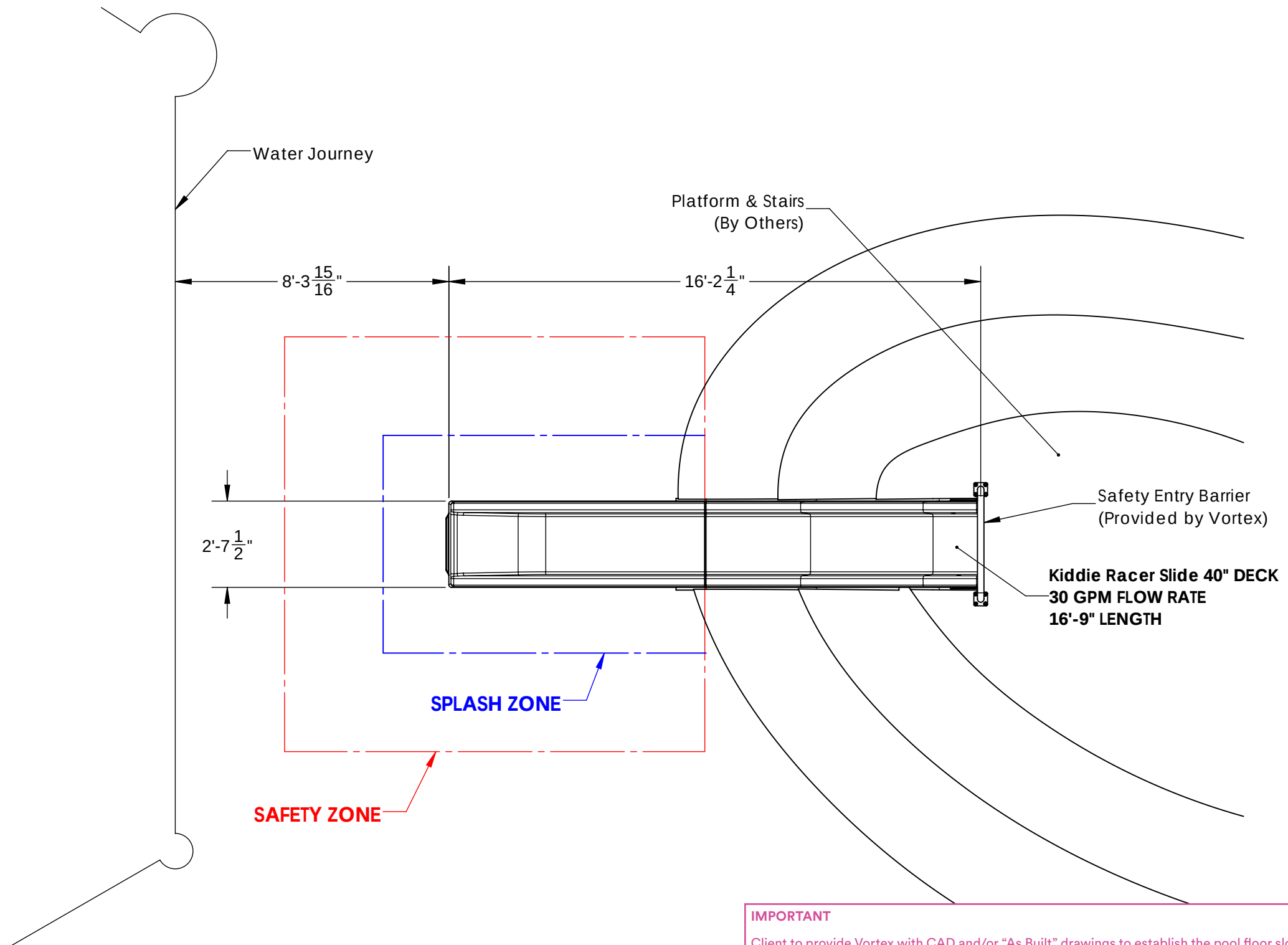
IMPORTANT

Client to provide Vortex with CAD and/or “As Built” drawings to establish the slope.

Failure to provide this information will cause delays in completing the submittal documents, fabrications drawings and may delay product delivery. Inaccurate information may cause additional site work at client’s expense.

This proposal was made using CAD file: 25768 2022-01-27 Splash Pad Plan.pdf





IMPORTANT

Client to provide Vortex with CAD and/or "As Built" drawings to establish the pool floor slope. If this is impossible, client will need to provide site dimensions that identify various depths at the Elevations structure location.

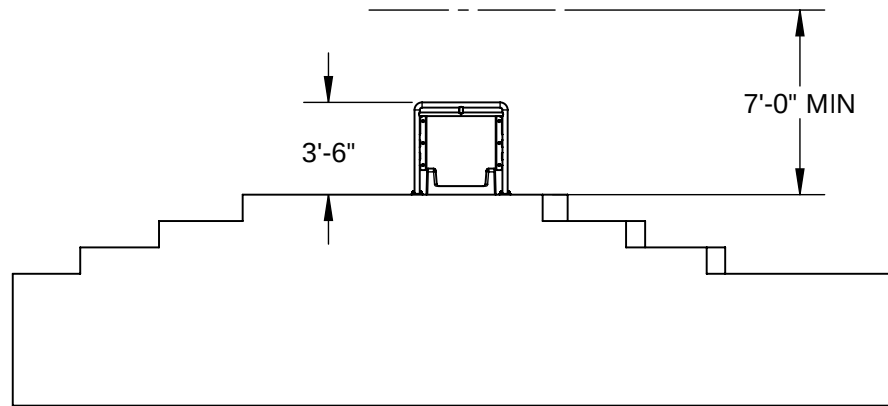
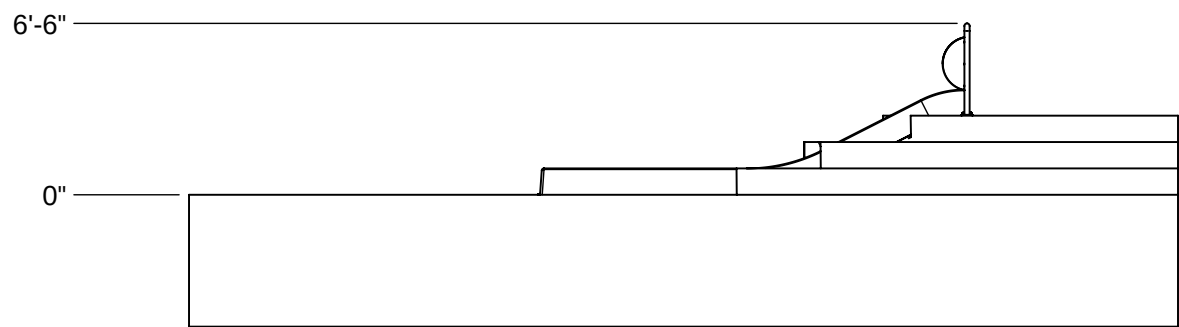
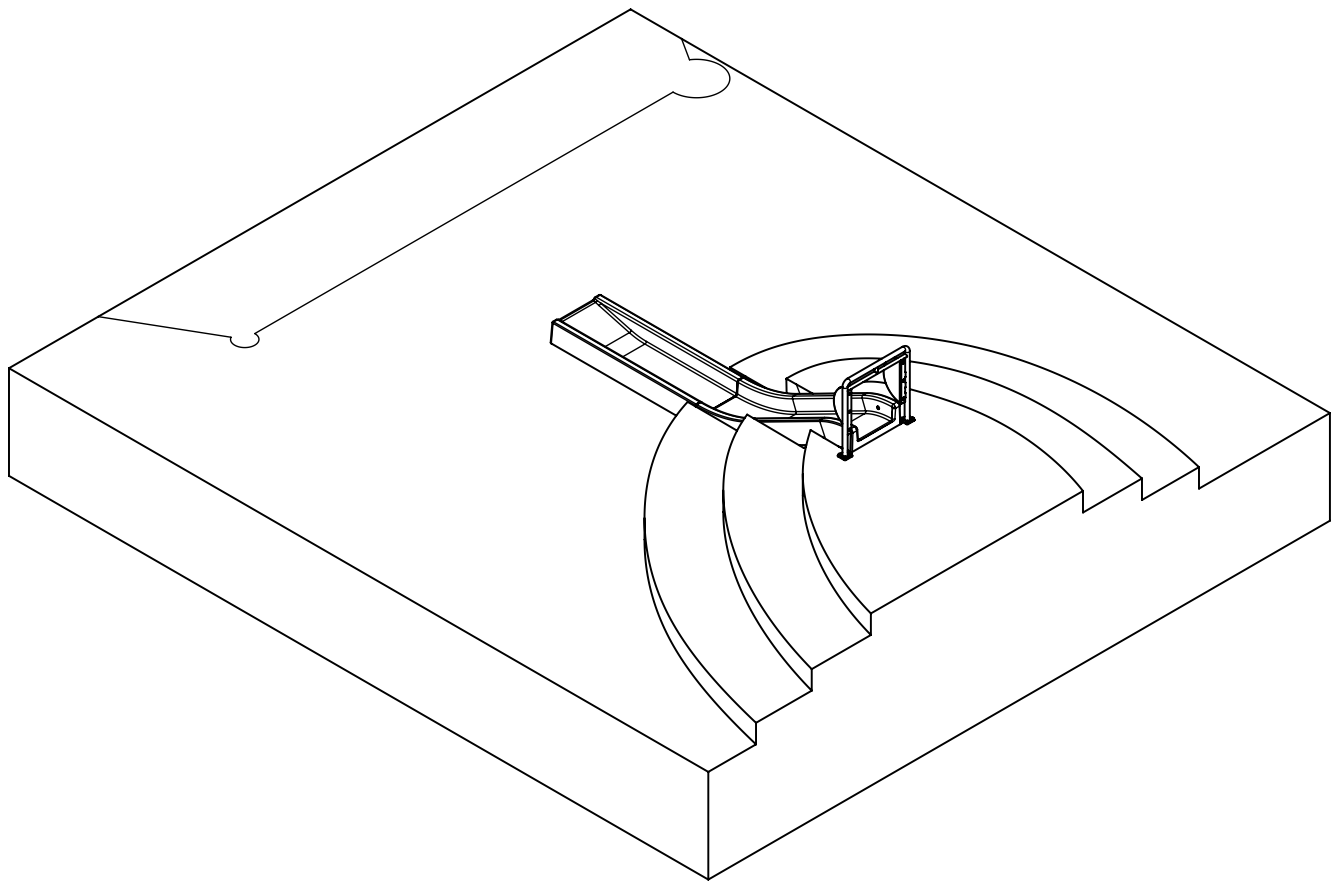
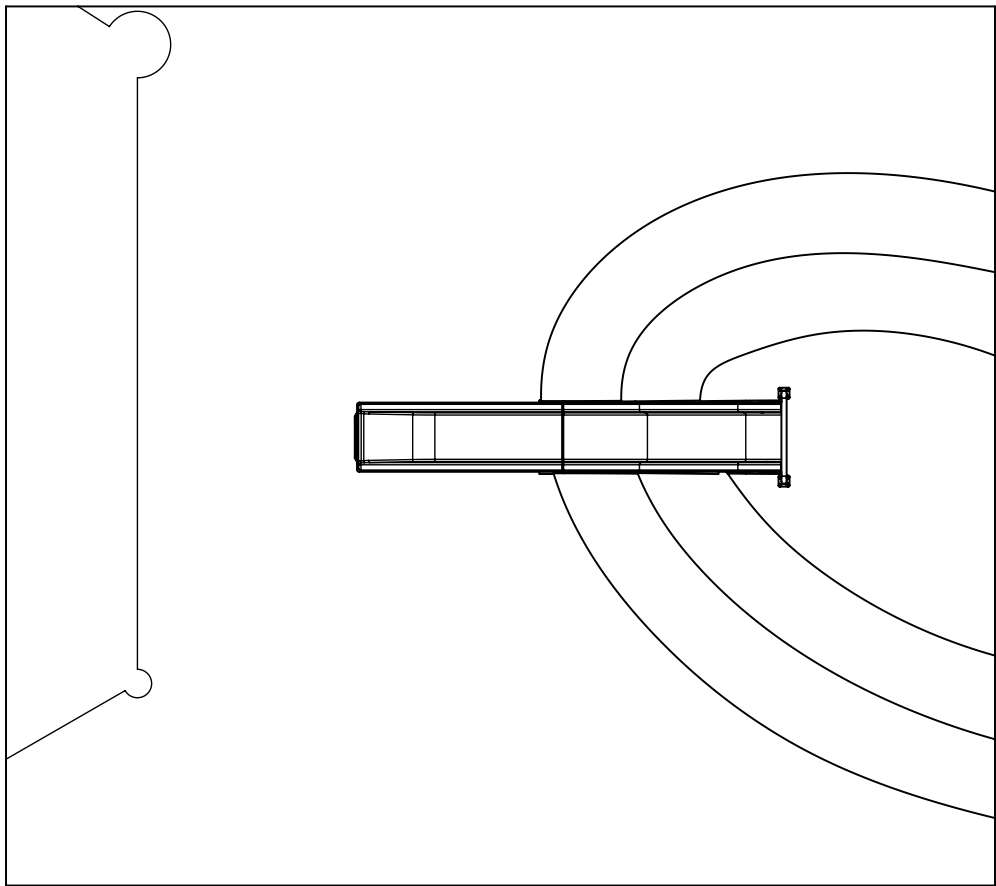
Failure to provide this information will cause delays in completing the submittal documents, fabrications drawings and may delay product delivery. Inaccurate information may cause additional site work at client's expense.

This proposal was made using CAD file: X-25768-Pro-Site-C (2021-11-11).dwg

* Minimum User Height: 36"

PRELIMINARY - NOT FOR CONSTRUCTION

THE DIMENSIONS CONTAINED HERE IN ARE A RESULT OF INITIAL SITE INFORMATION THAT WAS PROVIDED DURING THE PRELIMINARY DESIGN PROCESS. WHILE EVERY ATTEMPT HAS BEEN MADE TO ASSURE ACCURACY, FINAL CONSTRUCTION DRAWING DIMENSIONS MAY VARY.



* Slide height is from finished pool deck to finished tower platform.
 * Deck drains run parallel to runout.
 * Vault Design NOT by Vortex.

PRELIMINARY - NOT FOR CONSTRUCTION

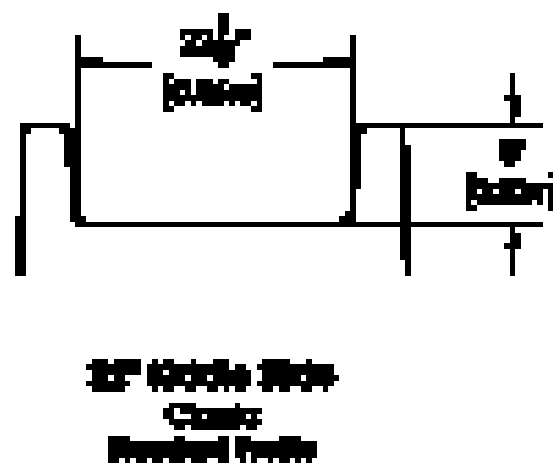
THE DIMENSIONS CONTAINED HERE IN ARE A RESULT OF INITIAL SITE INFORMATION THAT WAS PROVIDED DURING THE PRELIMINARY DESIGN PROCESS. WHILE EVERY ATTEMPT HAS BEEN MADE TO ASSURE ACCURACY, FINAL CONSTRUCTION DRAWING DIMENSIONS MAY VARY.

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COLOR KEY

- CHARCOAL
- OLIVE
- AQUA
- TAN
- GRANITE
- BLACK
- GRAY
- BLACK/GRAY
- GRAY/BLACK
- TAN/GREEN

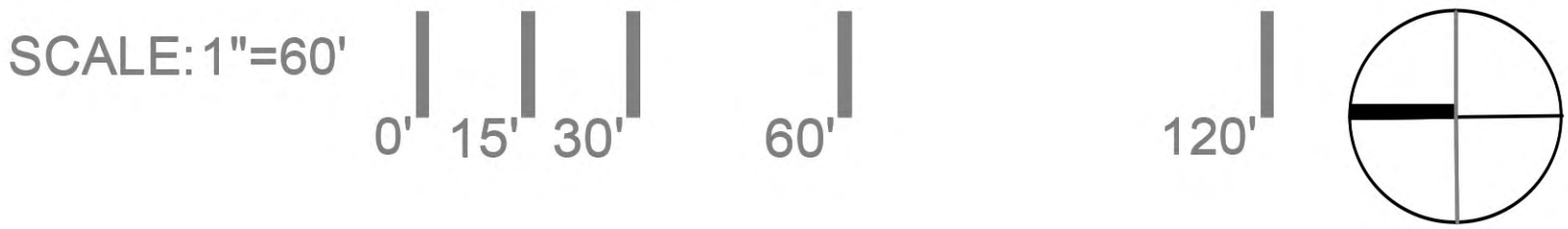






**GRIMES WALLACE
PARK LEGEND - PHASE 1**

- 1 FUTURE GCC PARKING
- 2 LAWN SPACE
- 3 PRAIRIE
- 4 DENSELY VEGETATED AREA
- 5 PARKING LOT - 140 STALLS



GRIMES WALLACE PARK - PHASE 1

GRIMES, IOWA

CONFLUENCE

June 07, 2022 | 21401

AGENDA MEMO

Item No. X

For Meeting of 6/14/2022

AGENDA HEADING: Approve agreement with Blue Sky Cleaning and Demolition Services for clean-up and salvage of the Wallace farm structures as part of the Wallace Farm phase 1 construction process.

SYNOPSIS: The City acquired the land west of Sunny Hill Cemetery known as Wallace farm in 2018. In 2021, the City Council prioritized the development of plans to create a community gathering space that paid respect to the agricultural history of the property. In light of the state of the property and the City's desire for an open and flexible gathering space, City staff have solicited bids to deconstruct and remove certain structures from the site. Efforts will be made to preserve building materials and certain structures during the deconstruction process.

The park is anticipated to be constructed in a number of phases, as funding is allocated. The initial phase of the park once the deconstruction of the building is completed will include large green spaces, and parking. Future phases may include an amphitheater for events, areas food trucks and the Farmers' Market, walking trails, water quality features, and rentable space for private events. Space has also been reserved for the possibility of commercial development, if desired by the City in the future.

FISCAL IMPACT: Estimated cost: \$69,790

PREVIOUS COUNCIL ACTION(S): 2022 Strategic Plan placed the Wallace Farm Development as a Top Priority.

BOARD/COMMISSION ACTION(S): At the May 25th, 2022 Parks and Recreation Board Meeting, the Board approved the Wallace Farm design concept and construction cost of phase 1.

STAFF/COMMITTEE RECOMMENDATION: Staff recommends approval of the Blue Sky Cleaning and Demolition Services agreement for clean-up and salvage of the Wallace Farm building structures.

RESOLUTION TO ACCEPT BID AND ENTER INTO CLEAN UP AND SALVAGE
SERVICES CONTRACT WITH BLUE SKY

Grimes Resolution No. 6-2122

WHEREAS, the City of Grimes (City) currently owns property at 402 SE 6th Street, Grimes, Iowa, that is locally known as “Wallace Farm” that the City wishes to develop into a city park and recreation area, and

WHEREAS, the property has farm structures that require demolition and removal as part of the park construction process, and

WHEREAS, the Blue Sky Cleaning & Demolition Services, LLC (Contractor) has a business that specializes in building demolition and removal, and has provided the lowest responsive and responsible bid to the City through the bidding process, and

WHEREAS, the City desires to accept the bid and retain the services of the Contractor for demolition and removal building work on the Wallace Farm, and

THEREFORE, IT IS HEREBY RESOLVED by the Grimes City Council that the bid of the Contractor of \$67,790.00 be accepted to perform demolition and removal services at the Wallace Farm location, and that the Mayor is authorized to execute a written contract on behalf of the City of Grimes for these services that is recommended by the Grimes City Attorney.

Passed by the City Council of the City of Grimes, Iowa, by of vote of ___ to ___ the ___ day of _____, 2022, and approved this _____ day of _____, 2022.

Scott Mikkelsen, Mayor

Attested:

Rochelle Williams, City Clerk

AGREEMENT FOR DEMOLITION SERVICES

WALLACE FARM PARK PROJECT CITY OF GRIMES, IOWA

THIS AGREEMENT, made this _____ day of _____ 2020, by and between the **CITY OF GRIMES, IOWA**, hereinafter referred to as the **City**, and **BLUE SKY CLEANING & DEMOLITION SERVICES, LLC** of Des Moines, Iowa, a corporation organized and existing under the laws of the State of Iowa, hereinafter referred to as the **Contractor**,

WITNESSETH, THAT WHEREAS, the City currently owns property at 402 SE 6th Street, Grimes, Iowa, that is locally known as "Wallace Farm" that the City wishes to develop into a city park and recreation area, and

WHEREAS, the property has farm structures that require removal as part of the park construction process, and

WHEREAS, the Contractor has a business that specializes in building demolition and removal, and has provided the lowest responsive and responsible bid to the City through the bidding process, and

WHEREAS, the City desires to retain the services of the Contractor for demolition and removal building work on the Wallace Farm as outlined below.

NOW, THEREFORE, it is hereby agreed by and between the parties hereto the City retains the Contractor to provide demolition and building removal work subject to the following terms, conditions, and stipulations to wit:

1. SCOPE OF THE PROJECT.

- A. The Scope of the Project for the Wallace Farm shall include the demolition and removal of all farm buildings located at Wallace Farm, as well as property restoration as specified in the Scope of Services.

It is understood and agreed the scope of the Project may be modified by mutual agreement during the course of performance of the services as the parties mutually determine necessary to meet the goals and objectives of the City.

2. SCOPE OF SERVICES.

The specific Scope of Services under this Agreement includes the following:

- Cutting and capping of the water and sewer service to the farm house
- Obtaining of the permit for demolition
- One mobilization and demobilization of manpower and equipment to and from the site
- Demolition, removal, and disposal of the 1,107 SF Single Story House, 72 SF Open Porch, 144 SF Enclosed Porch, and 140 SF Deck
- Demolition, removal, and disposal of the 495 SF basement foundation, slab, and footings
- Use of onsite material to backfill the open excavation
- Removal and disposal of the walkways around the house
- City sidewalk and approach to remain
- Demolition, removal, and disposal of the 600 SF Garage
- Demolition, removal, and disposal of the 600 SF slab and footings
- Demolition, removal, and disposal of the 120 SF Shed
- Demolition, removal, and disposal of the 768 SF Utility Building
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 928 SF Crib Building
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 448 SF Lean-To
- Demolition, removal, and disposal of the 576 SF Lean-To
- Demolition, removal, and disposal of the 1,500 SF Utility Building
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 928 SF Pole Barn
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 594 SF Flat Barn
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 3,360 SF Flat Barn
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 960 SF Flat Barn
- Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 100 SF Shed
- Demolition, removal, and disposal of the Lean-To on the SW corner of the property
- All disturbed areas to be rough graded

- Owner to provide access to and from the site with limited disruption from third parties.
- Optioned work is to be done at the time of primary scope work.
- Time and material change order charges may apply for additional mobilizations and work.
- Work stoppages due to weather or other unforeseen events may be subject to time and material change order charges.
- Any and all Federally announced Pandemics will extend the completion date with no penalty.
- Any slab, foundation, walls, or footings with foam, plastic, coloring, overlay, or other unrecyclable material will be subject to change order if found to be unable to recycle.
- Interior Slab removal includes removal up to 4" thickness.
- Exterior Slab removal includes removal up to 8" thickness.
- Footing removal includes up to 1' wide by 4' depth.
- Administration and tonnage fees will be charged if scale tickets are required for recycled materials
- This estimate is based on diesel fuel to cost below \$4.75/gallon and landfill fees to not be 3% more than the cost of tipping fees at the date of this contract
- Fuel surcharge to be 1% of invoice for every 50 cents above \$4.75 fuel pricing
- Fuel receipts will be provided for \$4.75 fuel and above
- Means and methods to be discussed after execution of the contract
- Time and material change order charges may apply if the means and methods used to bid the job are altered due to unforeseen circumstances of either party

3. RESPONSIBILITY OF THE CITY.

Unless stated otherwise, the City shall furnish access to the Wallace Farm for the Contractor to perform work of the Agreement.

4. COMPLETION.

The completion date for the services under this Agreement is July 31, 2022.

5. COMPENSATION.

The fees for services under this Agreement shall be \$69,790.00, plus any additional fees mutually agreed to by the City and Contractor pursuant to a written change order completed prior to the change order work, and any fuel charges surcharges or tipping fees specified under Section 2.

6. METHOD OF PAYMENT.

The Contractor shall submit monthly invoices for the actual costs for Project services completed to the end of the invoice period. The monthly invoices of the Contractor shall show the total fees due, the amounts paid to date and the balance of the amount of the contract. If additional charges are requested pursuant to Section 5, the agreed written change order and/or any written proof of claimed fuel surcharges or increased tipping fees must be specified and attached.

Invoices shall be due and payable upon receipt and shall be paid by the City within thirty (30) days of the date of receipt of an approvable invoice.

7. SERVICES NOT INCLUDED.

The above-stated fees do not include compensation for the following work items or potential work items:

- Private utility locates and disconnection or Relocation of utilities.
- Asbestos inspection, testing, abatement, air monitoring, and filings.
- Removal of additional materials not visible at the time of contract.
- Evacuation of any HVAC units of gasses.
- Disposal of any oils, chemicals, hazardous material, or contaminated soils.
- Removal of underground tanks, wells, cisterns, or sewer systems.
- Building of shoring, temporary enclosures, weatherproofing, patch back or repairs to any surfaces.
- Creation of a storm water pollution prevention plan.
- Installation of silt fence, sock, or any other erosion prevention materials.
- Backfilling of excavations beyond what is specified under Section 2.
- Importation/Exportation of fill material.
- Exportation of subbase materials.
- Soil testing and compaction testing.
- Removal of drive approaches or city sidewalks, or paving shown as staying.

- LEED Certification goals.
- Salvaging of items for the owner.
- Repair or replacement of trees, turf, sidewalks, paving surfaces, or unmarked irrigation system.
- Construction fencing of the site.

8. NOTICE TO PROCEED.

Approval of this Agreement by the City shall constitute Notice to Proceed.

9. TERMINATION OF AGREEMENT.

If, through any cause, the Contractors shall fail to fulfill in a timely and proper manner the obligations under this Agreement in the City's sole judgment, the City shall have the absolute right to terminate this Agreement by specifying the date of termination in a written notice to the Contractors at least ten (10) working days before the termination date. In this event, the Contractors shall be entitled to just and equitable compensation for any satisfactory work completed, and for payment of properly supported fuel surcharge and tipping fee increases as provided by the Agreement requirements, but no other compensation or damages.

10. ASSIGNABILITY.

The Contractor shall not assign any interest in this Agreement and shall not transfer any interest in the same without prior written consent of the City.

11. INDEMNIFICATION.

The Contractor shall and hereby agree to hold and save the City harmless from any and all claims, settlements, and judgments, to include all reasonable investigative fees, attorneys' fees, suit and court costs for personal injury, property damage, and/or death arising out of the Contractor's or any of its agents', servants', and employees' errors, omissions or negligent acts for services under this Agreement, and for all injury and/or death to any and all of the Contractor's personnel, agents, servants, and employees occurring under the Workers' Compensation Act of the State of Iowa.

12. INSURANCE.

The Contractor shall furnish the City with certificates of insurance by insurance companies licensed to do business in the State of Iowa, upon which the City is endorsed as an additional named insured, in the following limits. Except as noted, the coverage is on an occurrence basis.

General Liability*	\$1,000,000/2,000,000
Automobile Liability	1,000,000
Excess Liability (Umbrella)*	8,000,000/8,000,000
Workers' Compensation, Statutory Benefits Coverage B	1,000,000

Professional Liability**,***

2,000,000/2,000,000

*Occurrence/Aggregate

**The Owner is not to be named as an additional insured

***Claims made basis

The Contractor shall provide the City with certificates of insurance prior to commencing work. Renewal certificates of insurance shall be provided within 15 days after the effective date of the renewal of insurance.

13. MODIFICATIONS TO AGREEMENT OR CHANGE ORDERS. This Agreement may be modified upon written agreement by the City and the Contractor. In the event that any additional services are required of the Contractor that are over and above those described in this Agreement, the services shall not be done without express prior written agreement or change order between the City and the Contractor. The scope of additional services, and fees to be charged, shall be specified in any such written authorization.

14. COMPLETENESS OF CONTRACT. This document contains all terms and conditions of this Agreement. Any alterations shall be invalid unless made in writing, signed by both parties and incorporated as an amendment to this Agreement.

The undersigned do hereby covenant and state that this Agreement is executed in duplicate as though each were an original and that there are no oral agreements that have not been reduced to writing in this instrument.

It is further covenanted and stated that there are no other considerations or monies contingent upon or resulting from the execution of this Agreement nor have any of the above been implied by or for any party to this Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names on the date first written above.

CITY OF GRIMES, IOWA

ATTEST:

By _____ By _____
Mayor City Clerk

ATTEST:

By Vincent Fitzpatrick 06/10/2022 By Clayton Cogley
Vincent Fitzpatrick Project manager/Estimator Clayton Cogley

Wallace Farm Demolition

Request for Proposal

City of Grimes Contact

Brian Becker

(515) 514-1047

BBecker@GrimesIowa.gov

Site Demolition Scope:

Demolition work at **402 SE 6th St. in Grimes, IA** with the following scope of work:

- Cutting and capping of the water and sewer service to the house
- Obtaining of the permit for demolition
- One mobilization and demobilization of manpower and equipment to and from the site
- Demolition, removal, and disposal of the 1,107 SF Single Story House, 72 SF Open Porch, 144 SF Enclosed Porch, and 140 SF Deck
 - Demolition, removal, and disposal of the 495 SF basement foundation, slab, and footings
 - Use of onsite material to backfill the open excavation
 - Removal and disposal of the walkways around the house
 - City sidewalk and Approach to remain
- Demolition, removal, and disposal of the 600 SF Garage
 - Demolition, removal, and disposal of the 600 SF slab and footings
- Demolition, removal, and disposal of the 120 SF Shed
- Demolition, removal, and disposal of the 768 SF Utility Building
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 928 SF Crib Building
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 448 SF Lean-To
- Demolition, removal, and disposal of the 576 SF Lean-To
- Demolition, removal, and disposal of the 1,500 SF Utility Building
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 928 SF Pole Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 594 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 3,360 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 960 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 100 SF Shed
- Demolition, removal, and disposal of the Lean-To on the SW corner of the property
- All disturbed areas to be rough graded

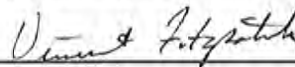
Estimate to complete the above scope of work\$ **\$69,790.00**

Bid Exclusions: Work not specified in above demolition scope. Private utility locates. Disconnection or Relocation of utilities. Asbestos inspection, testing, abatement, air monitoring, and filings. Additional materials not visible are subject to change order. Evacuation of any HVAC units of gasses. Disposal of any oils, chemicals, hazardous material, or contaminated soils. Removal of underground tanks, wells, cisterns, or sewer systems. Shoring, temporary enclosures, weatherproofing, patch back or repairs to any surfaces. Storm water pollution prevention plan. Installation of silt fence, sock, or any other erosion prevention materials. Backfilling of excavations. Importation/Exportation of fill material. Exportation of subbase materials. Soil testing and compaction testing. Removal of drive approaches or city sidewalks, or paving shown as staying. Bonding or additional insurance requirements. LEED Certification goals. Salvaging of items for the owner. Work stoppages due to others. Damage or replacement of trees, turf, sidewalks, paving surfaces, irrigation system, etc. Fencing of the site.

Demo Notes:

- Owner to provide access to and from the site with limited disruption from others.
- Optioned work is to be done at the time of primary scope work. T&M charges to apply for additional mobilizations and work.
- Work stoppages due to weather, others, or any other unforeseen events are subject to T&M charges.
- Any and all Federally announced Pandemics will extend the turnover date with no penalty.
- Any slab, foundation, walls, or footings with foam, plastic, coloring, overlay, etc. will be subject to change order if found to be unable to recycle.
- Interior Slab removal includes removal up to 4" thickness.
- Exterior Slab removal includes removal up to 8" thickness.
- Footing removal includes up to 1' wide by 4' depth.
- Admin and tonnage fees will be charged if scale tickets are required for recycled materials
- This estimate is based on diesel fuel to cost below \$4.75/gallon and landfill fees to not be 3% more than the cost of tipping fees at the date of this estimate
- Fuel surcharge to be 1% of invoice for every 50 cents above \$4.75 fuel pricing
- Fuel receipts will be provided for \$4.75 fuel and above
- Means and methods to be discussed after execution of the contract
- T&M charges to apply if the means and methods used to bid the job are altered due to unforeseen circumstances

Company Name: Blue Sky Cleaning and Demolition

By: Vincent Fitzpatrick 

Title: Estimator / Project manager

Date: 5/20/2022

Wallace Farm Demolition

Request for Proposal

City of Grimes Contact

Brian Becker
(515) 514-1047
BBecker@GrimesIowa.gov

Site Demolition Scope:

Demolition work at **402 SE 6th St. in Grimes, IA** with the following scope of work:

- Cutting and capping of the water and sewer service to the house
- Obtaining of the permit for demolition
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- Demolition, removal, and disposal of the 594 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 3,360 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 960 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 100 SF Shed
- Demolition, removal, and disposal of the Lean-To on the SW corner of the property
- All disturbed areas to be rough graded

Estimate to complete the above scope of work \$ 81,000.00

Bid Exclusions: Work not specified in above demolition scope. Private utility locates. Disconnection or Relocation of utilities. Asbestos inspection, testing, abatement, air monitoring, and filings. Additional materials not visible are subject to change order. Evacuation of any HVAC units of gasses. Disposal of any oils, chemicals, hazardous material, or contaminated soils. Removal of underground tanks, wells, cisterns, or sewer systems. Shoring, temporary enclosures, weatherproofing, patch back or repairs to any surfaces. Storm water pollution prevention plan. Installation of silt fence, sock, or any other erosion prevention materials. Backfilling of excavations. Importation/Exportation of fill material. Exportation of subbase materials. Soil testing and compaction testing. Removal of drive approaches or city sidewalks, or paving shown as staying. Bonding or additional insurance requirements. LEED Certification goals. Salvaging of items for the owner. Work stoppages due to others. Damage or replacement of trees, turf, sidewalks, paving surfaces, irrigation system, etc. Fencing of the site.

Demo Notes:

- Owner to provide access to and from the site with limited disruption from others.
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- Means and methods to be discussed after execution of the contract
- T&M charges to apply if the means and methods used to bid the job are altered due to unforeseen circumstances

Company Name: Earth Services & Abatement, LLC dba Iowa Demolition

By: Nick Ruhser



Digitally signed by Nick Ruhser
Date: 2022.05.09 10:53:36 -0500

Title: Project Manager

Date: 5/9/22



260 N.E. 44th Avenue Des Moines, IA 50313

Phone: 515-243-1151 Fax: 515-243-1214

<http://www.decardemolition.com>

City of Grimes

Brian Becker

(515) 514-1047

BBecker@GrimesIowa.gov

Site Demolition Scope:

DeCarlo Demolition Company submits its estimate for demolition work at 402 SE 6th St. in Grimes, IA with the following scope of work:

- Cutting and capping of the water and sewer service to the house
- Obtaining of the permit for demolition
- One mobilization and demobilization of manpower and equipment to and from the site
- Demolition, removal, and disposal of the 1,107 SF Single Story House, 72 SF Open Porch, 144 SF Enclosed Porch, and 140 SF Deck
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 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 960 SF Flat Barn
 - Demolition, removal, and disposal of the slab and footings
- Demolition, removal, and disposal of the 100 SF Shed
- Demolition, removal, and disposal of the Lean-To on the SW corner of the property
- All disturbed areas to be rough graded

DeCarlo Demolition Company estimates to complete the above scope of work to be **\$123,880.00.**

Bid Exclusions: Work not specified in above demolition scope. Private utility locates. Disconnection or Relocation of utilities. Asbestos inspection, testing, abatement, air monitoring, and filings. Additional materials not visible are subject to change order. Evacuation of any HVAC units of gasses. Disposal of any oils, chemicals, hazardous material, or contaminated soils. Removal of underground tanks, wells, cisterns, or sewer systems. Shoring, temporary enclosures, weatherproofing, patch back or repairs to any surfaces. Storm water pollution prevention plan. Installation of silt fence, sock, or any other erosion prevention materials. Backfilling of excavations. Importation/Exportation of fill material. Exportation of subbase materials. Soil testing and compaction testing. Removal of drive approaches or city sidewalks, or paving shown as staying. Bonding or additional insurance requirements. LEED Certification goals. Salvaging of items for the owner. Work stoppages due to others. Damage or replacement of trees, turf, sidewalks, paving surfaces, irrigation system, etc. Fencing of the site.

Demo Notes:

- Owner to provide access to and from the site with limited disruption from others.
- Optioned work is to be done at the time of primary scope work. T&M charges to apply for additional mobilizations and work.
- Work stoppages due to weather, others, or any other unforeseen events are subject to T&M charges.
- Any and all Federally announced Pandemics will extend the turnover date with no penalty.
- Any slab, foundation, walls, or footings with foam, plastic, coloring, overlay, etc. will be subject to change order if found to be unable to recycle.
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- Exterior Slab removal includes removal up to 8" thickness.
- Footing removal includes up to 1' wide by 4' depth.
- Admin and tonnage fees will be charged if scale tickets are required for recycled materials
- This estimate is based on diesel fuel to cost below \$4.75/gallon and landfill fees to not be 3% more than the cost of tipping fees at the date of this estimate
- Fuel surcharge to be 1% of invoice for every 50 cents above \$4.75 fuel pricing
- Fuel receipts will be provided for \$4.75 fuel and above
- Means and methods to be discussed after execution of the contract
- T&M charges to apply if the means and methods used to bid the job are altered due to unforeseen circumstances

This Agreement shall be governed by and construed in accordance with the laws of the State of Iowa. In the event that either party is required to initiate legal action to enforce the terms of this Agreement, said action shall be filed in the Iowa District Court in and for Polk County, Iowa. The prevailing party in any such action shall be entitled to the recovery of reasonable attorney fees and expenses – in addition to any other remedies that may be available.

DeCarlo Demolition Company is to be held harmless for negligent acts of any sub-contractor. All salvage becomes the property of DeCarlo Demolition Company upon receipt of signed copy of this proposal. Please acknowledge your acceptance by signing and returning a copy of this proposal to our office. Payments are due upon completion of work. Invoices not paid within 30 days are subject to a 1.5% monthly finance charge.

Thank you for the opportunity to bid your project. Proposal will be in effect for thirty days.

Respectfully submitted, dated this 2nd day of May 2022.

DeCarlo Demolition Company

Zach DeCarlo

City of Grimes

Brian Becker

By: Zach DeCarlo

Accepted By: _____

Title: Estimator

Title: _____

Date: 5/2/2022

Date: _____



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

Item No. X
For Meeting of June 14, 2022

AGENDA HEADING: Iowa Highway 141 SB & Iowa Highway 44 Traffic Signal and Turn Lane Improvements – Project Acceptance

SYNOPSIS: 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 (Snyder & Associates, Inc.); and consider approval of a resolution officially accepting the project by the City of Grimes.

Elder Corporation started this project in late 2021 and substantially completed the project in early 2022. They were able to fully complete the project by the Spring of 2022. There is no final change order or final payment, but there is a retainage payment to be made 30 days following project acceptance.

FISCAL IMPACT: This project's final construction contract amount is \$329,460.48 which is \$20,460.48 more than the original construction contract amount.

PREVIOUS COUNCIL ACTION(S): Setting the dates for the Bid Letting and Public Hearing, Held the Public Hearing, Awarding the construction contract and approving contract & bonds.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff recommends that the City Council approves the resolution accepting the project with Elder Corporation in the final contract amount of \$329,460.48.

Council Member _____ introduced the following Resolution entitled "RESOLUTION ACCEPTING THE IOWA HIGHWAY 141 SB & IOWA HIGHWAY 44 TRAFFIC SIGNAL AND TURN LANE IMPROVEMENTS", 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 06-0422

RESOLUTION ACCEPTING THE IOWA HIGHWAY 141 SB & IOWA HIGHWAY 44 TRAFFIC SIGNAL AND TURN LANE IMPROVEMENTS

WHEREAS, on the 10th day of August, 2021, the Mayor and Clerk of the City of Grimes, Iowa, entered into a construction contract with Elder Corporation of Des Moines, Iowa, for the construction of certain public improvements generally described as the Iowa Highway 141 SB & Iowa Highway 44 Traffic Signal and Turn Lane Improvements; 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 14, 2022:

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 \$329,460.48, as shown in the report of the Engineer.

PASSED AND APPROVED this 14th day of June, 2022.

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk

CERTIFICATE OF COMPLETION

IA 141 SB / IA 44 Traffic Signal & Turn Lane Improvement Project

Grimes, Iowa

June 14, 2022

This is to certify that the construction improvements on the *IA 141 SB / IA 44 Traffic Signal & Turn Lane Improvement* project have been completed in substantial compliance with the plans and specifications for the project. The final contract amount is **\$329,460.48**. I hereby recommend acceptance of the project.

Respectfully submitted,



*Todd Knox, PE, PTOE
Traffic Engineer
Snyder & Associates, Inc.
Iowa License Number P19530*



101 NE Harvey, Grimes, Iowa 50111
515.986.3036 Fax 515.986.3846

AGENDA MEMO

For Meeting of June 14, 2022

AGENDA HEADING: New 1.5 MG Elevated Water Storage Tank – Project Acceptance

SYNOPSIS: 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 Statement of Final Completion from the project engineer (McClure Engineering Company, Inc.); and consider approval of a resolution officially accepting the project by the City of Grimes.

CB&I, LLC started this project in the Summer of 2019 and substantially completed the project by early 2021. They were able to fully complete the project by the Spring of 2022. There is no final change order or final payment, but there is a retainage payment to be made 30 days following project acceptance.

FISCAL IMPACT: This project's final construction contract amount is \$2,957,710.00 which is \$10,030.00 more than the original construction contract amount.

PREVIOUS COUNCIL ACTION(S): Setting the dates for the Bid Letting and Public Hearing, Held the Public Hearing, Awarding the construction contract and approving contract & bonds.

BOARD/COMMISSION ACTION(S):

STAFF/COMMITTEE RECOMMENDATION: The staff recommends that the City Council approves the resolution accepting the project with CB&I, LLC in the final contract amount of \$2,957,710.00.

Council Member _____ introduced the following Resolution entitled "RESOLUTION ACCEPTING THE NEW 1.5 MG ELEVATED WATER STORAGE TANK", 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 06-0522

RESOLUTION ACCEPTING THE NEW 1.5 MG ELEVATED WATER STORAGE TANK

WHEREAS, on the 12th day of **February, 2019**, the Mayor and Clerk of the City of Grimes, Iowa, entered into a construction contract with **CB&I, LLC of Dallas, Texas**, for the construction of certain public improvements generally described as the New 1.5 MG Elevated Water Storage Tank; 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 14, 2022**:

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 **\$2,957,710.00**, as shown in the report of the Engineer.

PASSED AND APPROVED this 14th day of **June, 2022**.

Scott Mikkelsen, Mayor

ATTEST:

Rochelle Williams, City Clerk



**STATEMENT OF FINAL COMPLETION
AND
OWNER'S ACCEPTANCE OF THE WORK**

PROJECT: New 1.5 MG Elevated Water Storage Tank	ENGINEER: McClure Engineering Co. 1360 NW 121st St, Clive, IA 50325
OWNER: City of Grimes, IA 101 NE Harvey St, Grimes, Iowa 50111	CONTRACTOR: CB&I, LLC PO Box 675084, Dallas, TX 75267-5084

I, the undersigned Engineer of the above designated project, do hereby state that:

1. The construction provided for pursuant to CONTRACT DOCUMENTS including all approved amendments and Change Orders, hereafter called the WORK between the OWNER and CONTRACTOR has been completed and to the best of my knowledge and belief, is in substantial compliance with the provisions of the CONTRACT DOCUMENTS.
2. The final payment authorized hereto and made a part hereof is a complete and accurate summary of the WORK performed in accordance with the CONTRACT DOCUMENTS.
3. The total cost of the WORK as completed is: \$ 2,957,710.00

I recommend, under the provisions of the CONTRACT DOCUMENTS, that the WORK be accepted, and that the final payment be made.

Engineer

By: 

Date: 6/1/22

The CONTRACTOR shall guarantee materials and equipment furnished and construction performed by providing a PERFORMANCE BOND which shall remain in full force and effect for a period denoted below from date of acceptance by OWNER.



PERFORMANCE BOND which shall remain in full force and effect for a period of: Two (2) years

Accepted By CONTRACTOR

By: Sarah Norris

Title: Principal Accountant

Date: 5/31/2022

Accepted BY OWNER

By: _____

Title: _____

Date: _____