

**CITY OF STORM LAKE
REGULAR COUNCIL MEETING, DUE TO
COVID-19, THIS MEETING WILL BE A
TELEPHONIC MEETING ONLY ~ DIAL IN
TO PARTICIPATE: 1-408-418-9388 ACCESS
CODE: 146 309 7532
JANUARY 4, 2021
5:00 PM**



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

AGENDA

To join the Meeting, follow this link:

<https://stormlake.webex.com/stormlake/j.php?MTID=m63c97d5942eb93478aea5469ed7232c8>

- A. Pledge of Allegiance
- B. Consideration of Changes in Agenda and Setting the Agenda
- C. Disclosure by City Council Members
- 1. Hear the Public
- 2. Consent Agenda
 - A. Approve Consent Agenda
 - B. Buy Local Information
 - C. SLPD City Code Enforcement Summary
- 3. Ordinance No. 02-O-2020-2021 Amending The City Code By Updating The Referenced Electrical Code To The Most Recent Edition - 2nd Reading
- 4. Ordinance No. 04-O-2020-2021 Of Application 2020-3, Request For Change In Zoning From R-1, Low Density Residential, To R-3 Medium Density Residential - 2nd Reading
- 5. Public Hearing On Plans, Specifications, Form Of Contract, and Engineer's Estimate of Cost For The Storm Lake Radio Park Lift Station Project
- 6. Resolution No. 33-R-2020-2021 Approving Plans, Specifications, Form Of Contract, and Engineer's Estimate of Cost For The Storm Lake Radio Park Lift Station Project.
- 7. Motion to Set Public Hearing on Setting Tax Levy Rate and Maximum Property Tax Dollars
- 8. Motion Setting the Public Hearing for the Oneida Street Reconstruction Project, Phase 1 Plans, Specifications, and Form of Contract
- 9. Fiscal Year 2022-2026 Proposed Capital Improvement Plan Workshop
- 10. City Council Requested Items
- 11. Adjourn

Meeting Protocol

If you wish to speak today, please:

1. To speak on an agenda item please approach the podium when that agenda item is called and upon recognition by the Mayor identify yourself by stating your name and address.
2. If your issue is not a topic on the agenda please approach the podium under the "Hear the Public" agenda item and upon recognition by the Mayor identify yourself by stating your name and address.
3. Please keep your remarks to three (3) minutes or less.
4. If you require accommodation for this meeting including but not limited to translation services, hearing assistance, or accessibility please contact the City Clerk at least four (4) hours prior to the start of the meeting.

**If you have concerns about any of the items on the consent agenda, they may be separated from the consent agenda and voted on individually.*

***Ordinances may be read at three consecutive meetings or readings may be waived and ordinances may be passed at only one or two meetings.*



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Staff Summary

1/4/2021

Agenda Item # B.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: Consideration of Changes in Agenda and Setting the Agenda

BACKGROUND:

FISCAL IMPACT:

RECOMMENDATION:

Staff Summary

1/4/2021

Agenda Item # C.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
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REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: Disclosure by City Council Members

BACKGROUND:

FISCAL IMPACT:

RECOMMENDATION:

Staff Summary

1/4/2021

Agenda Item # A.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Mayra Martinez, City Clerk

SUBJECT: **Approve Consent Agenda**

BACKGROUND: The Consent Agenda Includes:

- List of bills for approval
- King's Pointe and Sunrise Pointe disbursements for approval
- Approve the December 21, 2020 City Council Minutes
- Approve Renewal Wine License for Hy-Vee #1634
- Approve New Liquor & Beer Licenses for Brew Oil #33
- Approve New Cigarette Permit for Brew Oil #33
- Approve the Code Enforcement Summary (see staff summary)

FISCAL IMPACT: The City will pay the following expenditures:

- List of Bills - - \$257,076.49
- King's Pointe & Sunrise Pointe Golf Course Bills - \$61,169.12

The City will receive the following revenues:

- Liquor License New & Renewal - \$100.00

RECOMMENDATION: Approve Consent Agenda

ATTACHMENTS:

Description	Type
❑ List of Bills	List of Bills
❑ King's Pointe and Golf Course List of Bills	List of Bills
❑ Minutes - December 21, 2020	Minutes
❑ Hy-Vee #1634 Wine Application 2021	Application
❑ Hy-Vee #1634 Liquor Report 2021	Backup Material
❑ Brew Oil #33 Liquor Application 2021	Application
❑ Brew Oil #33 Beer Permit Application 2021	Application
❑ Brew Oil #33 - Cigarette Application 2021	Permit



Storm Lake, IA

My Buy Local_v1

Payment Date Range: 12/24/2020 - 01/06/2021

Vendor Name	Buy Local Info	Payable Description	Total Payments
BVC			
Control System Specialists, LLC	BVC	Calibration Services	295.50
		BVC Total:	295.50
Contract/Agreement			
John Healy	Contract/Agreement	Pay #4 of 4th & Barton	33,759.39
Local Government Professionals Services, LLC	Contract/Agreement	17th Installment of 2nd Milestone- NRDG	2,500.00
Reding's Gravel & Excavating Co., Inc	Contract/Agreement	Rock	528.47
		Contract/Agreement Total:	36,787.86
Local			
Edwards Storm Lake	Local	2021 Silverado	35,018.00
Plumbing & Heating Wholesale, Inc	Local	Supplies	2,235.64
Edwards Storm Lake	Local	Vehicle Repairs	1,086.50
Graham Tire	Local	New Tires	951.20
Holzhauser Ford Lincoln Storm Lake Inc	Local	Drive Seat Belt	738.08
Vetter Equipment	Local	Supplies	615.35
MidAmerican Energy Company	Local	Xmas Light Service	604.66
Graham Tire	Local	New Tires	527.40
A & A Automotive	Local	New Tires	392.93
Graham Tire	Local	New Tires	1,343.54
Visual Edge Inc	Local	Copier Maintenance Agreement	192.75
Arctic Glacier International Inc	Local	Ice	176.44
A & A Automotive	Local	Tire Repairs	174.13
Graham Tire	Local	New Tires	169.95
Vetter Equipment	Local	Couplers	124.73
Rohr Manufacturing Services, Ltd	Local	Strike First Extinguishers	116.80
Michael P. Reinert	Local	Oxygen Refill	115.44
Stanton Electric, Inc	Local	Pager Pouches	112.48
Vetter Equipment	Local	Woodcutter	100.70
Storm Lake Industrial Corporation	Local	SL Bucks	100.00
Visual Edge Inc	Local	Copier Maintenance Agreement	94.69
Iowa Office Supply Inc	Local	Office Supplies	86.66
Vetter Equipment	Local	Spark Plug & Supplies	81.01
Iowa Office Supply Inc	Local	Office Supplies	75.56
Fareway Stores, Inc	Local	Supplies	53.88
O'Reilly Automotive Inc	Local	Wiper Blades	87.15
Graham Tire	Local	Tire Repairs	42.27
O'Reilly Automotive Inc	Local	Wiper Blades	35.98
Storm Lake Hydraulics Co, Inc	Local	Hyd Hose & Seals	35.48
Harzaw Lah	Local	12/28/2020 Interpretation Services	25.00
O'Reilly Automotive Inc	Local	Wiper Blades	19.02
Schuelke Powersports	Local	Boot Kit	17.95
Vetter Equipment	Local	Chain Sharpening	5.00
Fastenal Company	Local	Supplies	6.07
		Local Total:	45,562.44
Non-Local			
Winther, Stave & Co., LLP	Non-Local	Audit Progress Billing	15,000.00
Municipal Supply, Inc	Non-Local	Pump & Supplies	7,422.79
MRA Custom Applications, LLC	Non-Local	Lime Hauling Services	6,244.75
Mississippi Lime Company	Non-Local	Lime	5,707.38
Utility Equipment Co	Non-Local	Clamps	5,149.88
Electric Pump Inc	Non-Local	Pumps	1,884.00
Praxair Inc	Non-Local	Carbon Dioxide	1,688.20
Qualified Presort Service, LLC	Non-Local	Printing Services	1,539.15

My Buy Local_v1

Payment Date Range: 12/24/2020 - 01/06/2021

Vendor Name	Buy Local Info	Payable Description	Total Payments
Martin's Flag Company Co, Inc	Non-Local	Flags	1,039.90
Sioux Sales Company	Non-Local	Weapon Service	935.00
Iowa Individual Health Benefit Reinsurance	Non-Local	2017 Assessment Fee	912.00
University Enterprises, Inc	Non-Local	Enrollment & Manuals- Christiansen	685.00
Qualified Presort Service, LLC	Non-Local	Printing Services	538.96
Pitney Bowes, Inc	Non-Local	Postage	495.45
Iowa Division of Labor	Non-Local	Boiler Inspection	405.00
Dale Vitito	Non-Local	Uniforms	393.69
Municipal Pipe Tool Co., LLC	Non-Local	Broom	673.42
Foundation Analytical Laboratory, Inc	Non-Local	Testing Services	284.75
Qualified Presort Service, LLC	Non-Local	Printing Services	251.15
Werner Sewer & Septic, LLC	Non-Local	Drain Cleaning	230.28
International Code Council	Non-Local	Testing Material	206.50
Cintas First Aid & Safety	Non-Local	Medical Supplies	177.73
Mercy Medical Services	Non-Local	Brown- Physical	175.00
Mid-States Organized Information Center	Non-Local	FY2021 membership	150.00
Iowa Law Enforcement Academy	Non-Local	Tactics Instructor Training	150.00
Zoom Video Communications, Inc	Non-Local	Standard Pro Annual Fee	294.05
St. Paul Stamp Works, Inc	Non-Local	Animal Tags	115.69
Iowa Narcotics Officer's Association	Non-Local	Memberships- McDonald, Wefflen, Munden, Sc	100.00
BlueTarp Financial, Inc	Non-Local	Battery	88.00
Municipal Emergency Services, Inc	Non-Local	Pants	79.50
Iowa Police Chiefs Association	Non-Local	Membership Renewal- Cole	75.00
Tyler Business Forms	Non-Local	1095 Forms	56.76
Cintas First Aid & Safety	Non-Local	First Aid Supplies	53.51
Digital Ally Inc	Non-Local	Clip	50.00
Region 21 USPCA	Non-Local	FY2021 Membership	50.00
Steven A Beeck	Non-Local	Window Cleaning Services	39.00
Ed M. Feld Equipment Company, Inc	Non-Local	Batteries	38.00
RJ Thomas Manufacturing Compnay, Inc	Non-Local	Decals	35.00
Sioux Sales Company	Non-Local	Credit on Weapon Services	-310.00
Non-Local Total:		53,104.49	
Payroll/Refunds			
Maria Guillen	Payroll/Refunds	Shelter House Refund	160.00
Payroll/Refunds Total:		160.00	
Grand Total:		135,910.29	

King's Pointe Resort

Claims Publication

From 12/17/2020 to 12/31/2020

Vendor	Description	Amount
Weigand Omega Pay 12/21/20	Payroll	\$52,712.61
Shift 4	Services	\$122.98
BavSpot	Services	\$377.80
Martin Brothers	Food	\$7,955.73
		<u>\$61,169.12</u>

REGULAR COUNCIL MEETING, CITY OF STORM LAKE, DECEMBER 21, 2020 5:00 PM, DUE TO COVID-19, THIS MEETING WILL BE A TELEPHONIC MEETING ONLY DIAL IN TO PARTICIPATE: 1-408-418-9388 ACCESS CODE: 146 170 5214

Present: Mayor Michael Porsch, Council Members Jose Ibarra (by phone), Dan Smith (in person), Kevin McKinney (in person), and Maria Ramos (by phone arrived at 5:14 pm). Absent: Tyson Rice.

Staff present: City Manager Keri Navratil, Assistant City Manager David Derragon, City Attorney Phil Havens, Police Chief Chris Cole, Fire Chief Mike Jones, Water Quality Code Compliance Director Scott Olesen, Library Director Elizabeth Huff, Public Services Supervisor Scott Bonebrake, King's Pointe Manager Mike Chowdhury, Finance Director Brian Oakleaf, Staff Accountant Tyler Gibbins, and City Clerk Mayra Martinez

Media present via telephone: Dana Larsen with Pilot Tribune, Ryan Thompson with KAYL Radio and Tom Cullen with The Times.

Mayor Porsch called the meeting to order at 5:00 pm.

Pledge of Allegiance

Agenda- Moved by Council Member Smith to approve setting the Agenda as presented. Seconded by Council Member McKinney. Roll call vote: All ayes with Council Members Ibarra and Rice absent. Motion carried.

Disclosure by City Council Members – None at this time.

Hear the Public – None at this time.

Consent Agenda - Moved by Council Member Smith to approve the Consent Agenda which includes list of bills check #'s 76112 through 76220 and #76227 through 76279, payroll check #'s 59869 through 59872, EFT #'s 1593 through 1629, DFT #1020, King's Pointe and Sunrise Pointe disbursements, December 7, 2020 Special City Council minutes, December 7, 2020 Regular City Council minutes, renewal liquor license for Smokin Hereford, tax abatement for 1509 Richland Street, road closure for United Methodist Church and approve the Code Enforcement summary. Seconded by Council Member McKinney. Roll call vote: All ayes with Council Member Rice absent. Motion carried.

Council Member Ibarra arrived at 5:14 pm.

City Manager's Contract - Moved by Council Member Smith to approve amendments to the City Manager's contract including membership in any service organization, participation in either the ICMA 457 plan or IPERS, and annual salary of \$130,000, and authorize the Mayor to sign. Seconded by Council Member Ibarra. Roll call vote: All ayes with Council Member Rice absent. Motion carried.

Storm Lake United Presentation - Lee Dutfield attached a slide presentation on the Agenda for City Staff and City Council to view of the Storm Lake United review and update for the year 2020.

Tyson Fresh Meats Land Sale (Wastewater Treatment Plant) -Mayor Porsch opened the public hearing for the proposed sale of Wastewater Treatment Plant real estate to Tyson Fresh Meats stating this was the time and place for any comments. Hearing no comments from the public and no comments from the City Council the Mayor then closed the public hearing.

Moved by Council Member Smith to adopt Resolution No. 32-R-2020-2021 approving the sale of Wastewater Treatment Plant real estate to Tyson Fresh Meats. Seconded by Council Member McKinney. Roll call vote: All ayes with Council Member Ibarra absent. Motion carried.

RESOLUTION NO. 32-R-2020-2021

RESOLUTION APPROVING THE SALE AND CONVEYANCE OF REAL ESTATE TO TYSON FRESH MEATS, INC., AND AUTHORIZING THE MAYOR AND CLERK TO EXECUTE THE CONTRACTS, DEEDS, AND DOCUMENTS FOR SUCH SALE AND CONVEYANCE

WHEREAS, the City of Storm Lake, Iowa (the “City”) is the owner of real estate described as follows:

A TRACT OF LAND LOCATED IN PART OF THE EAST HALF (E ½) OF SECTION 24, TOWNSHIP 90 NORTH, RANGE 37 WEST OF THE 5TH P.M., BUENA VISTA COUNTY, IOWA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Commencing at the Northwest (NW) corner of the Northeast Quarter (NE ¼) of said Section 24: Thence South 88° 09’ 32” East, along the North line of said Northeast Quarter (NE ¼), 261.00 feet to the Point of Beginning. Thence continuing South 88° 09’ 32” East, along said North line, 1337.28 feet; Thence South 00° 21’ 39” West, 3203.11 feet; Thence North 89° 41’ 42” West, 1389.00 feet, Thence North 00° 56’ 28” West, 304.04 feet; Thence North 44° 09’ 45” East, 241.54 feet; Thence North 30° 06’ 30” East, 70.02 feet; Thence North 00° 04’ 12” East, 624.38 feet; Thence North 13° 28’ 06” West, 60.70 feet; Thence North 34° 56’ 11” West, 471.33 feet; Thence North 00° 19’ 00” East, 853.75 feet; Thence North 89° 55’ 38” East, 128.30 feet; Thence North 01° 47’ 22” East, 777.46 feet to the Point of Beginning.

Hereafter known as Lot H in Section 24, Township 90 North, Range 37 West of the 5th P.M., Buena Vista County, Iowa.

Tract contains 99.92 acres and is subject to all easements of record.

(the “Real Estate”);

WHEREAS, the City has received a proposal from Tyson Fresh Meats, Inc. (“Tyson”), in the form of a proposed Real Estate Contract (the “Contract”) by and between the City and Tyson,

pursuant to which the City would sell and convey the Real Estate to Tyson at a purchase price of \$1.00;

WHEREAS, the City Council, by Resolution adopted December 7, 2020, proposed that the City sell and convey the Real Estate to Tyson for the purchase price of \$1.00, and scheduled a public hearing on the proposed sale and disposition for December 21, 2020;

WHEREAS, notice of said proposed disposition of the Real Estate has been made to the public by publication in the Storm Lake Times on December 11, 2020, pursuant to a directive to the Clerk contained in the December 7, 2020 resolution;

WHEREAS, a certified general real property appraiser has appraised the Real Estate at \$1.00 because of the substantial investment required to continue to use it as the site of a wastewater treatment plant, its current use, and because of the high cost of converting the Real Estate to another use, coupled with the small likelihood that buyers other than Tyson would be interested in purchasing the Real Estate;

WHEREAS, the Real Estate, if sold to Tyson, would generate property tax revenue, whereas no such tax revenue is generated so long as the City owns the Real Estate;

WHEREAS, the Real Estate, which the City has leased to Tyson and its predecessor meat packing operations for many years at an annual rental of \$1.00, serves as a wastewater treatment facility for Tyson, and is not needed by the City;

WHEREAS, Tyson needs to make significant costly improvements to the wastewater treatment facility and desires to own the facility before making that investment;

WHEREAS, the Council finds that the proposed disposition is in the City's interest for the reason set forth above; and

WHEREAS, no objections to the proposed sale and conveyance have been made.

NOW, THEREFORE, BE IT HEREBY RESOLVED that the City of Storm Lake, Iowa does hereby agree to sell the Real Estate and convey it by Quit Claim Deed to Tyson at a purchase price of \$1.00.

IT IS FURTHER RESOLVED AND DIRECTED that the Mayor and City Clerk are authorized to sign and otherwise execute all necessary contracts, deeds, and documents associated with the sale on behalf of the City for the purpose of selling and conveying the Real Estate to Tyson in exchange for the consideration and under the terms and conditions aforesaid.

Passed and approved this 7th day of December, 2020.

Michael Porsch, Mayor

Attest:

Mayra A. Martinez, City Clerk

Ordinance Amending City Code Chapter 5-10 Property Maintenance -

Moved by Council Member McKinney to approve waiving 2nd Reading for Ordinance No. 03-O-2020-2021 amending City Code Chapter 5-10 Property Maintenance. Seconded by Council Member Ibarra. Roll call vote: All ayes with Council Member Rice absent. Motion carried.

Moved by Council Member Ibarra to pass on 3rd Reading of Ordinance No. 03-O-2020-2021 amending City Code Chapter 5-10 Property Maintenance. Seconded by Council Member Smith. Roll call vote: All ayes with Council Member Rice absent. Motion carried.

ORDINANCE NO. 03-O-2020-2021

ORDINANCE AMENDING CHAPTER 5-10 OF TITLE V OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED “PROPERTY MAINTENANCE CODE,” TO REVISE REQUIREMENTS RELATING TO THE PAVING OF VEHICLE PARKING AREAS

WHEREAS, the City Council of the City of Storm Lake, Iowa, has determined that Section 5-10-7 of Chapter 5-10 in Title V of the City Code of the City of Storm Lake, Iowa should be amended to provide for a limited exception to the requirement that all off-street vehicular parking areas be hard surfaced.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Storm Lake, Iowa, as follows:

Section 1. Chapter 5-10 in Title V of the City Code of the City of Storm Lake, Iowa, is hereby amended as follows:

a. Section 5-10-7(D)(1), captioned, “Definitions,” is amended to insert the following two new definitions between the definition for “Non-Hard-Surfaced driveway” and the definition for “Approach”:

Hard-surfaced parking area, as used in Section 5-10-7(D)(8), shall mean any vehicle parking area that is paved with a hard surface, including concrete, asphalt, or paving stones, installed and maintained according to City specifications.

Alternate material, as used in Section 5-10-7(D)(8), shall mean a material, other than concrete, asphalt, or paving stones, which, under the Statewide Urban Design and Specifications (SUDAS), is authorized or suitable for the construction of a vehicle parking area that is not a hard-surfaced parking area.

b. Section 5-10-7(D)(8) is deleted and, in lieu thereof, the following new Section 5-10-7(D)(8) is inserted:

8. Any vehicle parking area constructed after the adoption of this Ordinance shall be a hard-surfaced parking area except, under the conditions specified below in this Section 5-10-7(D)(8), a vehicle parking area may be constructed of an alternate material, which parking area may remain in place for a period of not more than three years from the date of the City-issued permit authorizing the construction of the vehicle parking area using such alternate material; provided, however, that, by the end of such three-year period, one hundred percent of the area covered by the parking area made of an alternate material shall be constructed, re-constructed or converted into a hard-surfaced parking area. All of the following conditions must be satisfied before the use of an alternate material in the construction of a vehicle parking area is authorized for a three-year period under the provisions of this section:

(a) The parking area to be constructed will be situated on one or more real estate lots located in a Community Commercial Zoning District;

(b) The parking area will serve a business operated in a building situated on the same real estate lot or on an abutting real estate lot or lots;

(c) If the parking area is to be constructed on one or more real estate lots abutting the real estate lot or lots on which the building housing the business is situated, the abutting real estate lots on which the building housing the business is situated and on which the parking area is to be constructed are under common ownership and the owner, for himself, herself, or itself, and for the owner’s successors in interest, agrees in an instrument approved by the Enforcement Officer and filed of record in the Buena Vista County, Iowa Recorder’s office that such abutting real estate lots will remain under common ownership in perpetuity and will only be transferred together, as if the real estate lots comprised but one real estate lot, unless and until the City agrees otherwise in a written instrument recorded in the office of the Buena Vista County, Iowa Recorder;

(d) Each building housing such business is a nonconforming structure that nonetheless is permitted to exist under the City of Storm Lake’s zoning code;

(e) The use of such building or buildings must be a conforming retail use under the City of Storm Lake’s zoning code;

(f) The business is not required by the City's zoning code to have off-street parking but off-street parking needs to be constructed for the convenience of the patrons of such business, the safety of the public, or both;

(g) The parking area design satisfies the requirements of the Americans with Disabilities Act and the post-construction storm water provisions of the City Code;

(h) The construction of the parking area is authorized by the issuance of a permit as provided herein.

As used in the above-listed conditions, the term "business" includes any authorized retail use.

The failure of the owner of the real estate lot or lots who applies for the permit required in this Section 5-10-7(D)(8) or any subsequent owner of such real estate lot or lots to timely complete construction of the hard-surfaced parking area as required in this Section 5-10-7(D)(8), after the construction or partial construction of a parking area using an alternate material on such real estate lot or lots, shall constitute a municipal infraction punishable by a civil penalty of \$250.00. Each day that construction of the hard-surfaced parking area is not completed after the three-year period specified above shall constitute a separate and distinct infraction. The provision of Section 5-10-8(A), the abatement provisions contained in the second sentence of Section 5-10-8(B), captioned "INSPECTIONS, the provisions of Section 5-10-8 Paragraphs (C), captioned "VOLUNTARY ABATEMENT," (D), captioned "EMERGENCY CONDITION," (E), captioned "REPEAT OFFENSE," (F), captioned "NOTICE," (G), captioned "ABATEMENT REMEDIES AND PENALTIES, and (H), captioned "EMERGENCY ABATEMENT PROCEDURE," and the powers of the Property Maintenance Appeal Board enumerated in subparagraphs 2 and 3 of Section 5-10-8 Paragraph I, captioned "APPEAL," shall not apply to municipal infractions arising under this Section 5-10-7(D)(8). The Enforcement Officer shall file a notice, in affidavit form, in the Buena Vista County, Iowa Recorder's office before the transfer of a real estate lot or lots on which a parking area is constructed or partially constructed using an alternate material pursuant to this Section 5-10-7(D)(8), which notice shall set forth:

(aa) The legal description of such real estate lot or lots;

(bb) The fact that Section 5-10-7(D)(8) of the Storm Lake City Code requires the construction of a hard-surfaced parking area in compliance with the City's design standards and specifications on such real estate lot by a date to be specified in the affidavit, which date shall be three years from the date of the City-issued permit for the construction of the parking area using an alternate material;

(cc) The fact that any owner of such real estate lot is subject to the requirement to complete the construction of the hard-surfaced parking area if it has not been completed by a prior owner;

(dd) The fact that failure to timely complete the construction of the hard-surfaced parking area is a municipal infraction punishable by a civil penalty of \$250.00 for each infraction and that each day that such construction is not completed after the three-year period specified in the affidavit shall constitute a separate and distinct infraction;

(ee) The fact that the affidavit is made pursuant to Section 5-10-7(D)(8) of the City Code of the City of Storm Lake, Iowa.

(ff) The name and title of the Enforcement Officer making the affidavit.

Upon a determination by the Enforcement Officer that the hard-surfaced parking area has been completed, the Enforcement Officer shall file an affidavit with the Buena Vista County Recorder describing the real estate upon which the hard-surfaced parking area was constructed, referencing the Notice described above to which the affidavit relates by the date of the recording of the Notice and the document number of the Notice assigned by the Recorder, setting forth the fact that the hard-surfaced parking area was completed and the date of such completion.

Before beginning construction of a parking area pursuant to the provisions of this Section 5-10-7(D)(8), the owner of a real estate lot or lots desiring to construct a parking area thereon using an alternate material shall apply to the City of Storm Lake in writing on a City-approved form for a permit to do so. The application shall be submitted to the City Clerk. The application shall include a description of the design of the parking area using an alternate material and a description of the design of the hard-surfaced parking area that will be developed within the three-year period specified herein, as well as such other information the City deems relevant to the City's determination whether or not to issue the permit. The Enforcement Officer shall issue a permit if the City determines that the conditions specified in subparagraphs (a) through (g) of this Section 5-10-7(D)(8) are satisfied.

Section 2. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 3. This ordinance shall be in effect following its passage, approval, and publication as provided by law.

PASSED AND APPROVED this 21st day of December, 2020

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Radio Park Lift Station Project - Moved by Council Member Smith to approve setting a public hearing for January 4, 2021 at 5:00 pm for plans, specifications, form of contract and engineer's estimate of cost for the Storm Lake Radio Park lift station project. Seconded by Council Member Ramos. Due to Covid-19, this meeting will be a telephonic meeting only ~ dial in to participate: 1-408-418-9388 access code: 146 309 7532. Roll call vote: All ayes with Council Member Rice absent. Motion carried

Electrical Code Update - Mayor Porsch opened the public hearing for submission of an Ordinance amending Chapter 5-10 Property Maintenance updating the electrical code to the 2020 edition stating this was the time and place for any comments. Hearing no comments

from the public and no comments from the City Council the Mayor then closed the public hearing.

Moved by Council Member McKinney to approve the first reading of Ordinance No. 02-O-2020-2021 updating the electrical code to the 2020 edition. Seconded by Council Member Smith. Roll call vote: All ayes with Council Member Rice absent. Motion carried

Application 2020-3, Rezone Request – Mayor Porsch opened the public hearing for the Application 2020-3, request for change in zoning from R-1, Low Density Residential, to R-3 Medium Density Residential for parcel no. 1402131001 generally located at 1401 & 1404 Poplar Lane and a vacant lot between 600th St. and 4th St requested by Thomas W. Prichard, Eloise Y. Prichard, James M. Prichard and Jane E Prichard and Kading Properties as the developers.

Scott Olesen presented the request, Josh Pope from Bolton and Menk, the City's utility engineer, was present and Carrie Woerdeman and Mark Lee from Kading Properties were available to provide clarification to resident's concerns. Scott Olesen summarized the concerns that were received regarding this item. They go as follows: The width of the streets is 22 ft curb to curb which is permitted with no street parking on either side of the street. Developer is aware of this and plans to put up No Parking signs for this to be enforced as this would leave adequate space for the fire department in case of an emergency access. The type of utilities, sewer and water, was a concern as well. With this being a private development, the City would not be responsible for installing the water, sewer, or streets but they must follow the SUDAS statewide specifications which are the same standards the city uses. There was a concern the lower water pressure in the area would get worse with this proposed development. The development to the West is fed off a separate water line. The new development would tap off the 18 inch water main which is fed off along the south side of East Milwaukee which would not have any effect on the side developments. Another concern was the storm water issues in the area flooding, especially in Tulip Lane and Violet Lane. The difference between the old and new developments is our current Storm Water ordinance which requires to take into consideration the current runoff rate post construction does not to exceed pre-construction. The other concern was the density will be larger going from R-1 to R-3. Planning and Zoning took into consideration with their recommendation of approval based on the City Council goals of more housing and economic development.

Water capacity was another concern as we had water restrictions during the summer and concern that this development would draw additional water. The concern is currently being addressed for the whole city with a service agreement with ISG to do full water system study with or without this development for future economic development.

Kading is proposing market rate rentals. Sidewalks are required to be added to their plans.

Josh Pope spoke about how stormwater is no concern from a zoning change to R1 to R3 or any other zone. So regardless of the zoning type, any potential developer must comply with the current storm water ordinance criteria. Equivalent to a single-family connection, the Sanitary sewer has the capability to accept this zoning change and still have extra for future

growth as well. Residents to the left of proposed area of development are on a 4-inch cast iron water line material that may see a level of corrosion and age and is no surprise that the area has low water pressure issue. Residents to the east of the proposed area are connected to a 6-inch plastic line and no issues have been reported. No concern regards to the water service pressure as the 18-inch water line has the capacity to accept this development and more and no impact on the adjoining neighborhoods.

Council Member Smith asked how far apart each dwelling is and if there are any fire hydrants in the area. Mr. Olesen responded that the houses will be 16 feet apart and they will have a backyard. There are no fire hydrants now, but this will be addressed.

Greenspace will be required to meet storm water requirements. Council Member McKinney asked how many other projects Kading Properties have done. Carrie from Kading responded that they have done 18 different communities with 1600 rental units and maintained ownership for all.

Council Member Ramos asked about concern regarding traffic in the area. Josh Pope and Mayor Porsch responded that they do not see the zoning change to have any different impact to the traffic that would be generated in this area if the area would be developed as a RI or R3.

Fern Bjerkland asked if 1401 Poplar Lane and 1404 Poplar Lane would be built into single-family homes. Kading Properties responded that these two areas would be offered to the school district for building trades class or an on-site manager home. If the dwellings would not be a single dwelling, then the property owner would have the choice to add a duplex residential dwelling if the rezone change passes.

Kathryn McKinley – asked that the council think of what the city can do to make it safer for traffic on 4th going into Flindt Drive and is concerned that there is no sidewalk on either street. The other concern is that the rental amount will be going to Urbandale and not stay in Storm Lake causing existing Storm Lake taxpayers to pay for all the services that the people will need and deserve this neighborhood causing that we have less money to keep up with our own properties.

- tax payers -

City Manager Navratil mentioned that the traffic committee would review the situation and determine if a traffic study would be needed once the project moves forward.

In 2018 the City Council approved an amendment to the Urban Revitalization Plan because of our housing shortage so this would allow for a tax abatement and would give a 10 year 100% tax abatement that can be used city wide for any developer that is looking into developing a multi residential property. Kading Properties is looking at developing a \$17.5 million project not using any City funds. If the City developed the infrastructure for a project of this type, it could cost approximately \$5 million. Finance Director Oakleaf responded to Ms. McKinley's concern as well, mentioning that Kading is not taking any money from the City, schools, or the county. They are just not paying the portion of the tax money that is not there right now. Currently the City receives \$218 a year. Once this development goes on the

tax rolls, then there would be \$300,000 a year which would help alleviate the tax rate for everyone for public services general fund. Expanding the tax base for the future would help to keep the public services and not eliminate them. Council Member McKinney asked if we would lose the \$218 a year and Mr. Oakleaf clarified that we would still get to keep the \$218 and it would not cost the City any money. This property would contribute about \$152,000 to the Tax Levy lowering everyone's portion. Council Member McKinney asked if the south side would be in City limits and the north would be in the county and who would regulate the speed limit. City Manager Navratil mentioned that we could request to lower the speed limit and that the Storm Lake police also patrol that area.

The following are comments received before this public hearing.

Henry & Sandra Ivers:

- The current water/sewer supply is not adequate for all three neighborhoods.
- Storm Lake may be hitting its water limit due to high consumption levels in the Dakota Aquifer. This caused water conservation during the summer months and in turn the Aquifer will not be able to supply an additional 176 town homes.
- Creates additional traffic on 4th Street, which is already congested, especially at 3:00 pm.
- Streets will flood when it rains as the water will run into the streets and there will be no ponds created for drainage.
- Kading Properties will receive a 10 year tax abatement which will create my taxes to rise to help pay for the water and sewer for this company. We are retired and on a limited income and do not want an increase in our taxes.
- We welcome new residential neighborhoods (R-1) with sewer and water systems and citizens that pay for their own taxes.

Kathryn McKinley's concerns about the new housing project:

- The request to change zoning from R-1 to R-3 would double the density for the area. The proposed units would more than double population, traffic, and use of utilities.
- The proposed plan has just two exits onto 4th Street and East Milwaukee. There is no stop light on either street and no sidewalks. Congestion and accidents will likely increase.
- Doubling the number of households would stress water and sewer for all three neighborhoods. The existing neighborhoods already experience problems with water backup and inadequate water pressure.
- Storm water drainage is already an issue in the existing neighborhoods and an additional 176 housing units will increase the storm water issues.
- Kading Properties will be renting all 176 units and the rental dollars will go to Urbandale and not Storm Lake.
- Kading Properties expects that the units will be rented by people living in Storm Lake and small towns around Storm Lake. If these people already live in these areas, this will not increase local business revenues as they already shop in Storm Lake. Existing rentals will be emptied, negatively impacting their owners and communities.
- Renters do not pay property taxes. Kading Properties will be receiving a tax abatement for 10 years which means that my neighbors and I will be paying Kading Properties taxes.
- The Storm Lake School District is building a new school in phases. As those phases proceed, we are likely to see a tax increase.

- The City of Storm Lake is discussing new water and wastewater systems which are needed for expansion of Businesses and residential areas. These systems will be very costly and will be paid by community members paying higher water rates.
- Kading Properties intends to bring in its own crew to build the properties. They do not intend to employ any local residents.
- Streets will not be built to City standards and there will be no sidewalks. Will the streets be wide enough for emergency vehicles and what happens if someone parks on the street?
- I welcome responsible building that would keep benefits in the Storm Lake community. I would welcome City Council working with our local builders to fill the field with a variety of housing: houses, condominiums, and duplexes for sale, and some rental properties. This approach would be in keeping with the existing neighborhoods, would benefit the community as a whole, and would keep the building money and tax dollars in the community.

Mark Fikkert's concerns about the new housing project:

- I am aware that rental housing is a priority for Storm Lake, however; I do take issue with the shoebox or sardine-can approach to this residential rental proposal.
- Will there be pedestrian and bike access through East 7th Street or Poplar Lane as there is no sidewalk on East Milwaukee which makes it unsafe for students who walk to and from school?
- Green space as a percentage of the total land, is rather misleading when the sixteen feet between the rental units is included.
- City tax abatement on rental units which will produce income of \$176,000 per month does not seem all that fair to the people who reside in this community.
- Kading Properties is an entity that will require our Police and Fire Departments to help maintain safety and security of their rental property. Obligations that need to be met by the City Beautiful such as streetlights, water and sewer will not be remunerated in kind for ten years.
- Maintaining the zoning as R-1, would be a way to build mixed housing which could include rental property. This would lead to a much better sense of community.

Hearing no additional comments Mayor Porsch closed the public hearing.

Request For Change In Zoning From R-1, Low Density Residential, To R-3 Medium

Density Residential - Moved by Council Member Smith to approve the first reading of Ordinance No. 04-O-2020-2021 of Application 2020-3, request for change in zoning from R-1, Low Density Residential, to R-3 Medium Density Residential. Seconded by Council Member Ibarra. Roll call vote: All ayes with Council Member Rice absent. Motion carried

Fiscal Year 2022-2026 Proposed Capital Improvement Plan Workshop- City Council and City Staff review the 2022-2026 Proposed Capital Improvement Plan.

Five-minute break at 6:34 pm

City Council Requested Items – None at this time.

Adjourn - Moved by Council Member McKinney to adjourn the meeting at 7:21 pm. Seconded by Council Member Smith. Roll call vote: All ayes with Council Member Rice absent. Motion carried

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Applicant License Application (WBN000284)

Name of Applicant: <u>Hy-Vee, Inc.</u>		
Name of Business (DBA): <u>Hy-Vee # 1634</u>		
Address of Premises: <u>1250 N Lake Avenue</u>		
City <u>Storm Lake</u>	County: <u>Buena Vista</u>	Zip: <u>50588</u>
Business <u>(712) 732-5628</u>		
Mailing <u>5820 Westown Pkwy</u>		
City <u>West Des Moines</u>	State <u>IA</u>	Zip: <u>50266</u>

Contact Person

Name <u>Kelly Palmer</u>	
Phone: <u>(515) 267-2949</u>	Email <u>kpalmer@hy-vee.com</u>

Classification Class B Native Wine Permit (WBN)

Term:12 months

Effective Date: 01/30/2021

Expiration Date: 01/29/2022

Privileges:

Class B Native Wine Permit (WBN)

Sunday Sales

Status of Business

BusinessType: <u>Privately Held Corporation</u>	
Corporate ID Number: <u>XXXXXXXXXX</u>	Federal Employer ID <u>XXXXXXXXXX</u>

Ownership

Stephen Meyer

First Name: <u>Stephen</u>	Last Name: <u>Meyer</u>	
City: <u>Des Moines</u>	State: <u>Iowa</u>	Zip: <u>50309</u>
Position: <u>Executive VP, Secretary</u>		
% of Ownership: <u>0.00%</u>	U.S. Citizen: <u>Yes</u>	

Randy Edeker

First Name: <u>Randy</u>	Last Name: <u>Edeker</u>	
City: <u>Urbandale</u>	State: <u>Iowa</u>	Zip: <u>50322</u>
Position: <u>CEO, President</u>		
% of Ownership: <u>0.00%</u>	U.S. Citizen: <u>Yes</u>	

Michael Skokan

First Name: <u>Michael</u>	Last Name: <u>Skokan</u>	
City: <u>Waukee</u>	State: <u>Iowa</u>	Zip: <u>50263</u>
Position: <u>CFO, Treasurer</u>		

% of Ownership: 0.00%

U.S. Citizen: Yes

Jeffrey Pierce

First Name: Jeffrey

Last Name: Pierce

City: West Des Moines

State: Iowa

Zip: 50265

Position: Asst. Treasurer, Financial
Reporting

% of Ownership: 0.00%

U.S. Citizen: Yes

Insurance Company Information

Insurance Company: DAKOTA FIRE INSURANCE COMPANY

Policy Effective Date:

Policy Expiration

Bond Effective

Dram Cancel Date:

Outdoor Service Effective

Outdoor Service Expiration

Temp Transfer Effective

Temp Transfer Expiration Date:

M E M O R A N D U M

TO: MAYRA MARTINEZ

FROM: CHRIS COLE

DATE: December 18, 2020

REFERENCE: LIQUOR LICENSE RENEWAL
HY-VEE
1250 N LAKE AVE

Discussion: Per your request I have accessed the department computer for calls of interest to the aforementioned establishment. The calls are as follows:

	11-24-2019 to 4-19-2020	4-20-2020 to 12-15-2020
INCIDENTS		
911 Hang Up	4	2
Abandoned Vehicle	0	1
Accident	1	4
Ambulance Assist	3	2
Animal Call	1	1
Business Assist	0	3
Business Security	36	39
Citizen Assist	2	1
Disturbance	1	0
Fire Alarm	0	4
Forgery	0	1
Found Property	1	3
Harassment	1	0
Hit and Run	2	0
Interpretation	1	0
Keys Locked In Car	6	6
Motorist Assist	1	0
Parking Compliant	0	1
PR/Talk/Presentation	12	9
Station Assignment	10	8
Street Beat	15	3
Suspicious Activity	0	2
Suspicious Person	0	1
Suspicious Vehicle	0	1
Theft	0	1

Trespass	0	1
Vehicle Stop	7	5
Warrant Service	1	0
Welfare Check	1	1
ARREST	none	none

Applicant License Application ()

Name of Applicant: <u>Brew Oil LLC</u>		
Name of Business (DBA): <u>Brew Oil #33</u>		
Address of Premises: <u>1201 Lakeshore Dr</u>		
City <u>Storm Lake</u>	County: <u>Buena Vista</u>	Zip: <u>50588</u>
Business <u>(712) 732-4646</u>		
Mailing <u>216 E Milwaukee St</u>		
City <u>Spencer</u>	State <u>IA</u>	Zip: <u>51301</u>

Contact Person

Name <u>Mary Fiedler</u>	
Phone: <u>(712) 262-2921</u>	Email <u>mary@brewoil.co</u>

Classification Class C Beer Permit (BC)

Term:12 months

Effective Date: 01/18/2021

Expiration Date: 01/01/1900

Privileges:

Class C Beer Permit (BC)

Sunday Sales

Status of Business

BusinessType: <u>Limited Liability Company</u>	
Corporate ID Number: <u>XXXXXXXXXX</u>	Federal Employer ID <u>XXXXXXXXXX</u>

Ownership

Rupinder Kaur

First Name: <u>Rupinder</u>	Last Name: <u>Kaur</u>	
City: <u>Storm Lake</u>	State: <u>Iowa</u>	Zip: <u>50588</u>
Position: <u>Owner</u>		
% of Ownership: <u>100.00%</u>	U.S. Citizen: <u>Yes</u>	

Insurance Company Information

Insurance Company:	
Policy Effective Date:	Policy Expiration
Bond Effective	Dram Cancel Date:
Outdoor Service Effective	Outdoor Service Expiration
Temp Transfer Effective	Temp Transfer Expiration Date:

Applicant License Application ()

Name of Applicant: <u>Brew Oil LLC</u>		
Name of Business (DBA): <u>Brew Oil #33</u>		
Address of Premises: <u>1201 Lakeshore Dr</u>		
City <u>Storm Lake</u>	County: <u>Buena Vista</u>	Zip: <u>50588</u>
Business <u>(712) 732-4646</u>		
Mailing <u>216 E Milwaukee St</u>		
City <u>Spencer</u>	State <u>IA</u>	Zip: <u>51301</u>

Contact Person

Name <u>Mary Fiedler</u>	
Phone: <u>(712) 262-2921</u>	Email <u>mary@brewoil.co</u>

Classification Class C Beer Permit (BC)

Term:12 months

Effective Date: 01/18/2021

Expiration Date: 01/01/1900

Privileges:

Class C Beer Permit (BC)

Sunday Sales

Status of Business

BusinessType: <u>Limited Liability Company</u>	
Corporate ID Number: <u>XXXXXXXXXX</u>	Federal Employer ID <u>XXXXXXXXXX</u>

Ownership

Rupinder Kaur

First Name: <u>Rupinder</u>	Last Name: <u>Kaur</u>	
City: <u>Storm Lake</u>	State: <u>Iowa</u>	Zip: <u>50588</u>
Position: <u>Owner</u>		
% of Ownership: <u>100.00%</u>	U.S. Citizen: <u>Yes</u>	

Insurance Company Information

Insurance Company:	
Policy Effective Date:	Policy Expiration
Bond Effective	Dram Cancel Date:
Outdoor Service Effective	Outdoor Service Expiration
Temp Transfer Effective	Temp Transfer Expiration Date:

Instructions on the reverse side

For period (MM/DD/YYYY) 01 / 15 / 2021 through June 30, 2021

I/we apply for a retail permit to sell cigarettes, tobacco, alternative nicotine, or vapor products:

Business Information:

Trade Name/DBA Brew Oil #33
Physical Location Address 1201 Lakeshore Dr City Storm Lake ZIP 50588
Mailing Address 216 E Milwaukee St City Spencer State IA ZIP 51301
Business Phone Number 712-732-4646

Legal Ownership Information:

Type of Ownership: Sole Proprietor ☐ Partnership ☐ Corporation ☐ LLC ☒ LLP ☐
Name of sole proprietor, partnership, corporation, LLC, or LLP Brew Oil LLC
Mailing Address 143 S. Cove Dr City Storm Lake State IA ZIP 50588
Phone Number (712) 299-0838 Fax Number (712) 262-6235 Email interjit-99@yahoo.com

Retail Information:

Types of Sales: Over-the-counter ☒ Vending machine ☐
Do you make delivery sales of alternative nicotine or vapor products? (See Instructions) Yes ☐ No ☒
Types of Products Sold: (Check all that apply)
Cigarettes ☒ Tobacco ☒ Alternative Nicotine Products ☒ Vapor Products ☒

Type of Establishment: (Select the option that best describes the establishment)

Alternative nicotine/vapor store ☐ Bar ☐ Convenience store/gas station ☒ Drug store ☐
Grocery store ☐ Hotel/motel ☐ Liquor store ☐ Restaurant ☐ Tobacco store ☐
Has vending machine that assembles cigarettes ☐ Other ☐

If application is approved and permit granted, I/we do hereby bind ourselves to a faithful observance of the laws governing the sale of cigarettes, tobacco, alternative nicotine, and vapor products.

Signature of Owner(s), Partner(s), or Corporate Official(s)

Name (please print) RUPINDER KAUR Name (please print) _____
Signature Rupinder Kaur Signature _____
Date 11/18/2020 Date _____

Send this completed application and the applicable fee to your local jurisdiction. If you have any questions contact your city clerk (within city limits) or your county auditor (outside city limits).

FOR CITY CLERK/COUNTY AUDITOR ONLY – MUST BE COMPLETE

- Fill in the amount paid for the permit: \$37.50
- Fill in the date the permit was approved by the council or board: 01-04-2021
- Fill in the permit number issued by the city/county: 20-21-17
- Fill in the name of the city or county issuing the permit: Storm Lake
- New ☒ Renewal ☐

Send completed/approved application to Iowa Alcoholic Beverages Division within 30 days of issuance. Make sure the information on the application is complete and accurate. A copy of the permit does not need to be sent; only the application is required. It is preferred that applications are sent via email, as this allows for a receipt confirmation to be sent to the local authority.

- Email: iapledge@iowaabd.com
- Fax: 515-281-7375

Staff Summary

1/4/2021

Agenda Item # B.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Mayra Martinez, City Clerk

SUBJECT: Buy Local Information

BACKGROUND: Early in 2011 during a Study Session discussion Council asked staff to look at putting together some analysis information regarding the amount of purchases made locally. We have pulled that information together and a provided a summary of purchases identified in the current list of bills to be approved that are purchased locally (within the City of Storm Lake), within Buena Vista County, and outside of Buena Vista County are presented here for Council's review. This information is presented for for both the City and King's Pointe's bills.

As the reader reviews the information they should note the following key notes:

- Costs associated with any major capital project (those bid under the State of Iowa Bid Law) are excluded from the calculation
- Costs associated with travel is excluded from the calculation and %
- Costs associated with payroll is excluded from the calculation and %
- In some cases there is only one vendor or an item is only available from vendors outside of the City limits and/or Buena Vista County – we have not identified these
- Some departments have fairly minor budgets and a major purchase can skew the % and or amount for a given review period (For Example: the Airport may have normally \$4,000 - \$6,000 in expenses until they purchase Jet Fuel or Av Gas which can be \$10,000 + and as a vendor who is not local this can skew the information for that review period)
- Local has been determined to be has an office front in the

area and based on where the office front is located for local vs. BV County (For Example: Wal-Mart is considered local since they have a store in Storm Lake even though their headquarters is not located here)

As with all analytical data it is possible to interpret the numbers in a variety of ways and as we move forward we would be happy to provide further detail and or revise the way in which we show the data. Likewise if you have any questions or concerns please don't hesitate to contact city staff.

FISCAL IMPACT:

Breakout	Calculated Expenses
Buena Vista County	\$ 295.50
Contract/Agreement	\$ 36,787.86
Local	\$ 45,562.44
Non- Local	\$ 53,104.49
Payroll/Refunds/Pyrl Tax & Ins	\$ 121,326.20
Total Expenses	\$ 257,076.49
Supporting Documents Attached	

RECOMMENDATION: Review Buy Local Information

ATTACHMENTS:

Description	Type
 Project Activity Report	Financial Report

Summary

Project Summary							
Project Number	Project Name	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
01112-0019	WasteWater Treatment Facility Wetlan...	1,195,689.00	34,139.88	1,018,961.86	312.50	1,019,274.36	176,414.64
01112-0020	10th & Ontario StormWater Improvem...	1,753,754.21	0.00	1,751,974.95	312.50	1,752,287.45	1,466.76
01112-0021	4th & Oats StormWater Improvements	837,480.15	0.00	806,582.57	312.50	806,895.07	30,585.08
16-19284	4th & Bartion Storm Water Improvemen...	751,002.10	30,487.90	664,149.72	34,071.89	698,221.61	52,780.49
18-CF-004	United Community Health Service Center	600,000.00	30,000.00	458,305.60	0.00	458,305.60	141,694.40
19-22797	Memorial Lift Station Improvements	404,755.00	20,237.75	264,755.00	0.00	264,755.00	140,000.00
35665	1st & Mae Street	796,373.28	-3,488.26	762,300.16	312.50	762,612.66	33,760.62
8406	7th & Geneseo St Sanitary Sewer Impro...	410,306.35	0.00	408,546.98	312.50	408,859.48	1,446.87
A21.117315	Casino Lift Station Ordor Control Impro...	255,104.58	-244.93	262,403.64	0.00	262,403.64	-7,299.06
P11.106893	Richland Street Rehabilitation	549,149.30	0.00	540,222.55	0.00	540,222.55	8,926.75
P11.112742	North Central SW Phase II	1,875,592.00	0.00	1,852,834.88	312.50	1,853,147.38	22,444.62
P11.115917	Memorial Park Water Quality	48,076.03	1,657.63	48,388.53	0.00	48,388.53	-312.50
P11.117908	Michigan Street Parking Lot Reconstruct...	409,297.00	25,580.95	439,080.90	0.00	439,080.90	-29,783.90
P11.118940	Oneida Street Reconstruction from RR t...	534,870.00	38,205.00	233,948.59	0.00	233,948.59	300,921.41
P11.119679	FEMA Lake Bank Restoration	117,831.01	7,855.41	123,185.51	0.00	123,185.51	-5,354.50
P11.120411	Highway 7/110 Traffic Lane/Signalization	1,423,630.00	96,724.36	175,689.00	0.00	175,689.00	1,247,941.00
P11.120478	Tulip Lane SW Improvements	513,049.50	19,360.38	389,969.33	312.50	390,281.83	122,767.67
P11.120650	2020 Expansion Blvd Improvements	861,088.10	68,887.04	471,450.85	0.00	471,450.85	389,637.25
P11.122266	2021 CIPP Sanitary Sewer Improvements	79,192.80	79,192.80	19,614.00	0.00	19,614.00	59,578.80
T51.119823	Runway 13/31 & Taxiway Lighting	453,189.00	32,370.61	63,577.00	0.00	63,577.00	389,612.00
Urban20WQI-004	SLHS Courtyard Conservation	100,000.00	100,000.00	13,900.21	0.00	13,900.21	86,099.79
Report Total:		13,969,429.41	580,966.52	10,769,841.83	36,259.39	10,806,101.22	3,163,328.19

Group Summary						
Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Airport Projects	453,189.00	32,370.61	63,577.00	0.00	63,577.00	389,612.00
Economic Development	817,831.01	137,855.41	595,391.32	0.00	595,391.32	222,439.69
National Resiliency Disaster Grant Proje...	8,260,515.42	161,350.33	7,723,322.98	36,259.39	7,759,582.37	500,933.05
Sanitary Sewer Projects	659,859.58	19,992.82	527,158.64	0.00	527,158.64	132,700.94
Street Construction	3,778,034.40	229,397.35	1,860,391.89	0.00	1,860,391.89	1,917,642.51
Report Total:	13,969,429.41	580,966.52	10,769,841.83	36,259.39	10,806,101.22	3,163,328.19

Type Summary						
Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Construction	4,970,275.78	360,953.58	2,470,741.53	0.00	2,470,741.53	2,499,534.25
Federal/State Grant	8,299,153.63	90,012.94	7,826,894.49	36,259.39	7,863,153.88	435,999.75
Grant	700,000.00	130,000.00	472,205.81	0.00	472,205.81	227,794.19
Report Total:	13,969,429.41	580,966.52	10,769,841.83	36,259.39	10,806,101.22	3,163,328.19

Staff Summary

1/4/2021

Agenda Item # C.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Chris Cole, Police Chief

SUBJECT: **SLPD City Code Enforcement Summary**

BACKGROUND: 12/16/2020 TO 12/29/2020

19 TOTAL

Accumulate Junk – 5
Accumulate Trash – 1
Junk Vehicle- 1
Snow Removal – 12

0 Citations

FISCAL IMPACT: None

RECOMMENDATION: None

Staff Summary

1/4/2021

Agenda Item # 3.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Scott Olesen, Building Official

SUBJECT: **Ordinance No. 02-O-2020-2021 Amending The City Code By Updating The Referenced Electrical Code To The Most Recent Edition - 2nd Reading**

BACKGROUND:

The City Code adopts by reference the National Electrical Code.

This code is produced by the National Fire Protection Association. This organization updates this code on a three year cycle.

At this time, City staff is proposing to update from the 2017 version of the National Electrical Code to the 2020 National Electrical Code.

Updating to the current code editions will bring the City into line with the code as adopted by the State of Iowa. The Electrical Code is mandated by the State of Iowa and is in effect Statewide. Additionally, the City of Storm Lake is reviewed every three years by the Insurances Services Offices (ISO), which provides ratings for building departments which is then used for setting insurance rates. A City's ISO rating is also used by FEMA in responding to natural disasters. Adopting more current codes will help to maintain our current rating.

Adopting the most current codes is also important to keep pace with new materials and techniques in the industry as well.

A copy of the proposed Ordinance and the amendments is attached for your review.

FISCAL IMPACT: Legal fees and publication are estimated to be \$300.00

RECOMMENDATION: Ordinance No. 02-O-2020-2021
~~Pass on 1st reading December 21st, 2020~~
Pass on 2nd reading January 4th, 2021
Pass on 3rd reading January 18th, 2021

ATTACHMENTS:

Description	Type
 Ordinance NO. 02-O-2020-2021	Ordinance

ORDINANCE NO. 02-O-2020-2021

ORDINANCE AMENDING CHAPTER 5-4 OF TITLE V OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED “ELECTRICAL CODE AND REGULATION OF ELECTRICIANS,” TO ADOPT BY REFERENCE THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE, WITH MODIFICATIONS, AND CERTAIN RELATED IOWA CODE SECTIONS

WHEREAS, the City Council of the City of Storm Lake, Iowa, has determined that Chapter 5-4 of Title V of the City Code of the City of Storm Lake, Iowa should be amended to delete references to the 2017 Edition of the National Electrical Code and to adopt by reference of the most recent edition of the National Electrical Code, with certain modifications;

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Storm Lake, Iowa, as follows:

Section 1. Chapter 5-4 of Title V of the City Code of the City of Storm Lake, Iowa, is hereby amended as follows:

a. Section 5-4-3, captioned, “Electrical Code Adopted,” is deleted and, in lieu thereof, the following new Section 5-4-3, captioned “Electrical Code Adopted,” is inserted:

Section 5-4-3 Electrical Code Adopted

After published notice and public hearing as required by law, the National Electrical Code, 2020 Edition, as published and approved by the National Fire Protection Association but as adopted and amended from time to time by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety pursuant to Iowa Code Sections 100.1, 100.35, 103.1, and 103.6 and administrative rules pursuant thereto is hereby adopted as the Electrical Code for the City, subject to the modifications made by this Section 5-4-3. The National Electrical Code, 2020 Edition, as so adopted and amended, and Iowa Code Sections 100.1, 100.35, 103.1, and 103.6 are hereby incorporated by reference, subject to the modifications set forth below in this Section 5-4-3. All installations, repair or replacement of electrical equipment within the City shall be made in conformance with the Electrical Code for the City and no permit shall be issued by the Electrical Inspector for such a project if the plans and specifications are not in conformance with that Code.

A copy of the National Electrical Code, 2020 Edition, as adopted and amended by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety, shall be maintained in the office of the Building Official and shall be available for public inspection during all normal business hours.

Notwithstanding the provisions of the National Electrical Code, 2020 Edition, as adopted and amended by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety, the following provisions shall apply:

(A) All business buildings (either erected, altered or converted for such purpose), public buildings, schools, churches, oil stations, warehouses, bulk oil plants, institutional

buildings, apartment houses and all buildings except dwelling houses of not more than two (2) families, shall be wired throughout with rigid conduit, armored cable, flexible steel conduit, metal raceway, electrical metallic tubing, metal clad cable, or electrical non-metallic tubing in accordance with NEW requirements, provided, however, that armored cable or flexible steel conduit may be used only where it is impractical to use rigid conduit or electrical metallic tubing, and further provided that in remodeling work in the buildings above mentioned, metal surface raceway may be used in remodeling, where, in the opinion of the Electrical Inspector, it is impractical to install rigid conduit or electrical metallic tubing. However, in all structures having four (4) or more dwelling units, a feeder must be installed to each dwelling unit branch circuit panel and run in conduit or electric metallic tubing. Each individual dwelling unit may be wired in metallic armored cable (BX) or non-metallic sheath cable (Romex).

(B) Basements of all dwelling houses shall be wired in rigid conduit or electric metallic tubing with the same provision for the use of armored cable or flexible steel conduit as provided in the preceding paragraph, provided that where the entrance switch or panel is on a floor other than the basement, the conduit must be continuous from such switch or panel and connect to the basement conduit. The balance of buildings used as dwelling houses for not more than two (2) families and private garages may be wired with non-metallic sheathed cable.

(C) All sign boards or poster boards shall be wired in rigid conduit, electric metallic tubing, or electrical non-metallic tubing.

Section 2. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 3. This ordinance shall be in effect following its passage, approval, and publication as provided by law.

PASSED AND APPROVED this ____ day of _____, 2020.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

1/4/2021

Agenda Item # 4.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Scott Olesen, Building Official

SUBJECT: **Ordinance No. 04-O-2020-2021 Of Application 2020-3, Request For Change In Zoning From R-1, Low Density Residential, To R-3 Medium Density Residential - 2nd Reading**

BACKGROUND: Midwest Land Management and Real Estate along with Thomas W. Prichard, Eloise Y. Prichard, James M. Prichard and Jane E Prichard have filed an application with the City of Storm Lake seeking a zoning ordinance amendment change in the Zoning designation of a parcel of property which is generally located at 1401 & 1404 Poplar Lane and Between 600th St. and 4th St. legally described as:

1401 Poplar Ln. Lot seven (7), block nine (9), third Sunrise Park Addition to the City of Storm Lake, Iowa
1404 Poplar Ln. Lot eight (8), block nine (9), third Sunrise Park Addition of Storm Lake, Iowa

Parcel # 1402131001 See Exhibit "A" The full legal description is included in the attached exhibit "A" in this staff summary.

The Applicants are requesting that the property currently zoned R-1 Low Density Residential be Re-Zoned as R-3, Medium Density Residential to allow for the construction of duplex residential housing.

A re-zoning request is a proposal to change the Official Zoning Map, and therefore requires that Planning and Zoning Commission make a recommendation to the Storm Lake City Council. The Storm Lake Planning and Zoning Commission held a public hearing on December 17, 2020, and the vote was 4 to 1 in favor of approval.

The City Council will need to hold a public hearing and three readings to approve the request

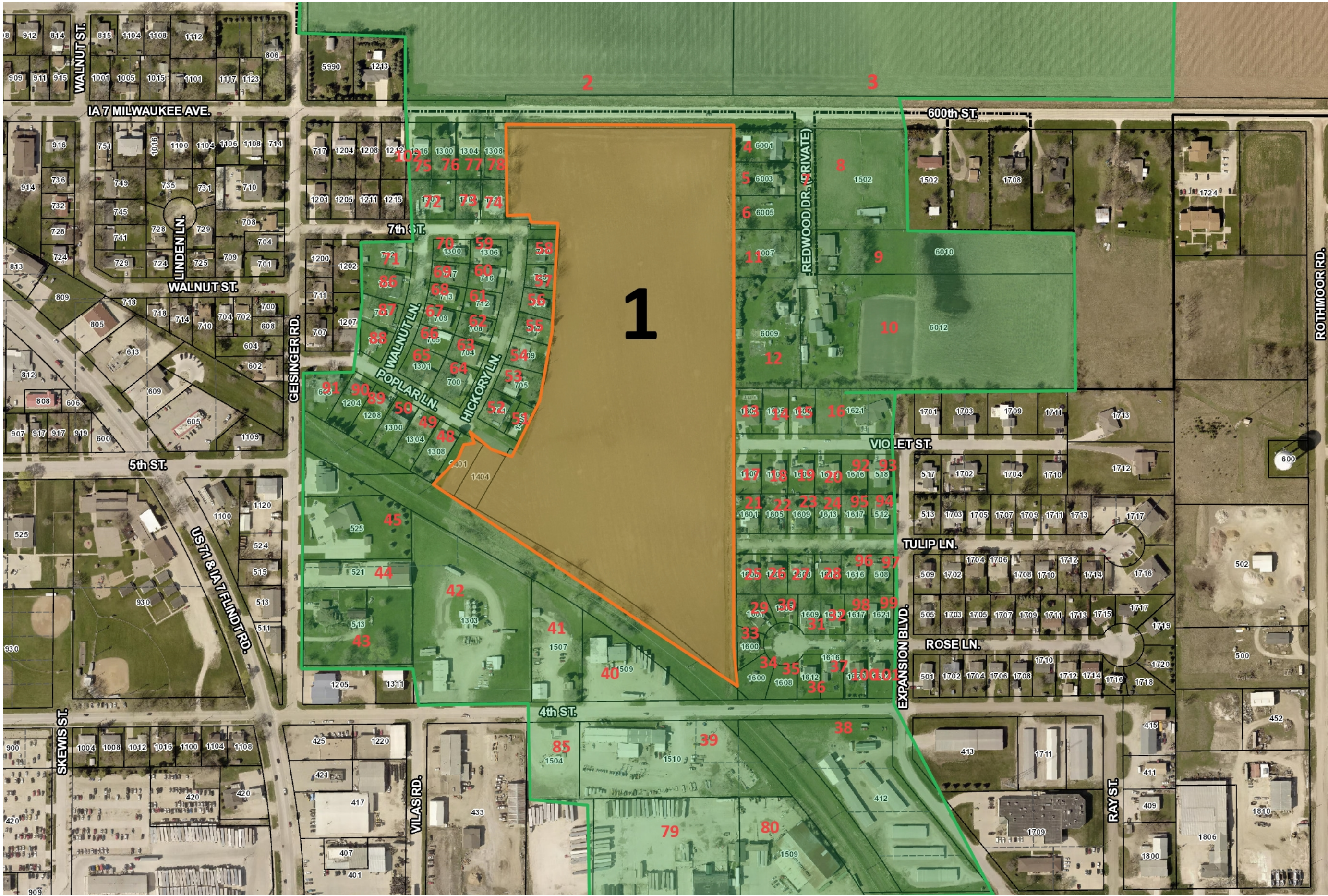
FISCAL IMPACT: The proposed project is set to invest approximately 17.5 million dollars with an estimated 14 million dollar property value, which will generate an estimated annual tax revenue of \$300,000.

RECOMMENDATION: Recommend approval of application 2020-3, as recommended by the Planning & Zoning Commission for a request for change in Zoning from R-1 to R-3, to the Storm Lake City Council, based on it's relationship to the Comprehensive Plan's stated Goal 1, items 1-6 located on page 5-6, which is to provide a variety of housing options.

~~Approve on first reading: December 21st, 2020~~
Approve on second reading: January 4, 2021
Approve on third reading: January 18th, 2021

ATTACHMENTS:

Description	Type
☐ Map	Map
☐ Application	Application
☐ Legal Description Exhibit "A"	Backup Material
☐ Notice to the Public	Backup Material
☐ Concept Plan	Backup Material
☐ FAQ	Backup Material
☐ Ordinance NO. 04-O-2020-2021	Ordinance
☐ Letters	Letter



Legend

- City Limits
- Lot Lines
- Parcels (10-16-2018)

Map Name



Disclaimer:
This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information, and data located in various city, county, and state offices, and other sources affecting the area shown, and is to be used for reference purposes only. The City of Storm Lake is not responsible for any inaccuracies herein contained.

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

n/a - parcel ID 1402131001

PROPERTY OWNER:

Thomas W Prichard, Eloise Y Prichard, James M Prichard,
Jane E Prichard

OWNER ADDRESS
(if different than above):

Midwest Land Management and Real Estate
PO Box 909
Spencer, IA 51301-0909

OWNER PHONE NUMBER:

507-645-0744

OWNER EMAIL:

prichardjy@gmail.com

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

The legal description and local address of the property.

The present zoning classification and the requested zoning classification.

The existing use of the property and the proposed use of the property.

A statement of the reasons why the applicant feels the present zoning classification is no longer valid.

Attach a plat showing the locations, dimensions and use of the applicant's property and all property within three hundred (300') feet including streets, alleys, railroads, and other physical features.

The request for a rezoning request will be heard by the Planning and Zoning Commission and the City Council at separate meetings.

The City of Storm Lake will notify all property owners within three hundred (300') feet of the applicant's property notifying them of the upcoming hearing.

The City of Storm Lake will notify the applicant of the hearing date.

The City of Storm Lake will publish a public hearing notice in a locally circulated newspaper not less than 7 and no more than 20 days prior to the meeting.

A non refundable application fee of **\$200.00** is required at time of the application. The fee will not be refunded if the request is denied by the Planning and Zoning Commission or the City Council.

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
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f (712) 732-4114

CURRENT ZONING ORDINANCE : Storm Lake Zoning Map Updated April 7, 2014

TEXT AMEDEMMENT REQUEST:

ADDRESS OF THE PROPERTY:

n/a - parcel ID 1402131001

LEGAL DESCRIPTION
OF THE PROPERTY:

See attached legal description.

PRESENT ZONING DISTRICT:

R-1: Low Density Residential

REQUESTED ZONING DISTRICT:

R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID:

Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY:

Agriculture

PROPOSED USE OF PROPERTY

Multiresidential Housing

Signature of Property Owner:

Date:

11/11/20

City of Storm Lake Use

Meeting Date:

Appeal No.:

Application Fee Paid:

Date Paid:

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

n/a - parcel ID 1402131001

PROPERTY OWNER:

Thomas W Prichard, Eloise Y Prichard, James M Prichard,
Jane E Prichard

OWNER ADDRESS
(if different than above):

Midwest Land Management and Real Estate
PO Box 909
Spencer, IA 51301-0909

OWNER PHONE NUMBER:

763-321-9140

OWNER EMAIL:

prichard-jane@yahoo.com

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

The legal description and local address of the property.

The present zoning classification and the requested zoning classification.

The existing use of the property and the proposed use of the property.

A statement of the reasons why the applicant feels the present zoning classification is no longer valid.

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ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
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Storm Lake, IA 50588
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f (712) 732-4114

CURRENT ZONING ORDINANCE:

Storm Lake Zoning Map Updated April 7, 2014

TEXT AMENDMENT REQUEST:

ADDRESS OF THE PROPERTY:

n/a - parcel ID 1402131001

LEGAL DESCRIPTION
OF THE PROPERTY:

See attached legal description.

PRESENT ZONING DISTRICT:

R-1: Low Density Residential

REQUESTED ZONING DISTRICT:

R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID:

Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY:

Agriculture

PROPOSED USE OF PROPERTY

Multiresidential Housing

Signature of Property Owner:

Jim E. Prichard

Date:

11-12-20

City of Storm Lake Use

Meeting Date:

Appeal No.:

Application Fee Paid:

Date Paid:

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

n/a - parcel ID 1402131001

PROPERTY OWNER:

✓ Thomas W Prichard, Eloise Y Prichard, James M Prichard,
Jane E Prichard

OWNER ADDRESS
(if different than above):

Midwest Land Management and Real Estate
PO Box 909
Spencer, IA 51301-0909

OWNER PHONE NUMBER:

612, 600, 3136

OWNER EMAIL:

twp700@gmail.com

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

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ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
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CURRENT ZONING ORDINANCE: Storm Lake Zoning Map Updated April 7, 2014

TEXT AMENDMENT REQUEST:

ADDRESS OF THE PROPERTY:

n/a - parcel ID 1402131001

LEGAL DESCRIPTION
OF THE PROPERTY:

See attached legal description.

PRESENT ZONING DISTRICT:

R-1: Low Density Residential

REQUESTED ZONING DISTRICT:

R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID:

Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY:

Agriculture

PROPOSED USE OF PROPERTY

Multiresidential Housing

Signature of Property Owner:

Thomas W. Puckett

Date: 11-12-20

City of Storm Lake Use

Meeting Date:

Appeal No.:

Application Fee Paid:

Date Paid:

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

n/a - parcel ID 1402131001

PROPERTY OWNER:

Thomas W Prichard, Eloise Y Prichard, James M Prichard,
Jane E Prichard

OWNER ADDRESS
(if different than above):

Midwest Land Management and Real Estate
PO Box 909
Spencer, IA 51301-0909

OWNER PHONE NUMBER:

712-732-1053

OWNER EMAIL:

None

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

The legal description and local address of the property.

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ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
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Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

CURRENT ZONING ORDINANCE : Storm Lake Zoning Map Updated April 7, 2014

TEXT AMEDEMMENT REQUEST:

ADDRESS OF THE PROPERTY: n/a - parcel ID 1402131001

LEGAL DESCRIPTION OF THE PROPERTY: See attached legal description.

PRESENT ZONING DISTRICT: R-1: Low Density Residential

REQUESTED ZONING DISTRICT: R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID: Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY: Agriculture

PROPOSED USE OF PROPERTY: Multiresidential Housing

Signature of Property Owner: *Eloise Y. Prichard* Date: 11-12-2020

City of Storm Lake Use			
Meeting Date:		Appeal No.:	
Application Fee Paid:		Date Paid:	

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

1404 Poplar Ln, Storm Lake, IA 50588

PROPERTY OWNER:

Eloise Y Prichard

OWNER ADDRESS
(if different than above):

209 E Lakeshore Dr, #2, Storm Lake, IA 50588

OWNER PHONE NUMBER:

712-732-1053

OWNER EMAIL:

None

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

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ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
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CURRENT ZONING ORDINANCE : Storm Lake Zoning Map Updated April 7, 2014

TEXT AMEDEMMENT REQUEST:

ADDRESS OF THE PROPERTY: 1404 Poplar Ln, Storm Lake, IA 50588

LEGAL DESCRIPTION OF THE PROPERTY: Lot eight (8), block nine (9), third Sunrise Park Addition to the City of Storm Lake, Iowa.

PRESENT ZONING DISTRICT: R-1: Low Density Residential

REQUESTED ZONING DISTRICT: R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID: Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY: Vacant lot - zoned R-1: Low Density Residential

PROPOSED USE OF PROPERTY: Multiresidential Housing

Signature of Property Owner: *Eloise Y. Prichard* Date: 11-12-2020

City of Storm Lake Use			
Meeting Date:		Appeal No.:	
Application Fee Paid:		Date Paid:	

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

PROPERTY ADDRESS:

1401 Poplar Ln, Storm Lake, IA 50588

PROPERTY OWNER:

Eloise Y Prichard

OWNER ADDRESS
(if different than above):

209 E Lakeshore Dr, #2, Storm Lake, IA 50588

OWNER PHONE NUMBER:

712-732-1053

OWNER EMAIL:

None

The City of Storm Lake Zoning Ordinance Article 12 Section 1204 establishes the amendment procedure for the Zoning Ordinance and requires the property owner to submit the following information, which must accompany this application before it can be considered by the Planning and Zoning Commission and the City Council.

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ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL

☐ Text Amendment to the Zoning Ordinance

☒ Zoning Map Amendment to the Zoning Ordinance



City of Storm Lake
PO Box 1086
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CURRENT ZONING ORDINANCE : Storm Lake Zoning Map Updated April 7, 2014

TEXT AMEDEMMENT REQUEST:

ADDRESS OF THE PROPERTY: 1401 Poplar Ln, Storm Lake, IA 50588

LEGAL DESCRIPTION OF THE PROPERTY: Lot seven (7), block nine (9), third Sunrise Park Addition to the City of Storm Lake, Iowa.

PRESENT ZONING DISTRICT: R-1: Low Density Residential

REQUESTED ZONING DISTRICT: R-3: Medium Density Residential

WHY PRESENT ZONING IS NO LONGER VALID: Proposed development includes construction of multiresidential housing at approximate density of 8 units/acre.

EXISTING USE OF PROPERTY: Vacant lot - zoned R-1: Low Density Residential

PROPOSED USE OF PROPERTY: Multiresidential Housing

Signature of Property Owner: *Elaine G. Prichard* Date: 11-12-2020

City of Storm Lake Use			
Meeting Date:		Appeal No.:	
Application Fee Paid:		Date Paid:	

Exhibit "A"

That part of the East Half of the Northwest Quarter ($E\frac{1}{2} NW\frac{1}{4}$), Section Two (2), Township Ninety North (T 90 N), Range Thirty-seven West (R 37 W) of the 5th P.M., Buena Vista County, Iowa, lying North of the right of way of the Chicago, Milwaukee, St. Paul and Pacific Railroad, more particularly described as follows: Commencing at a Point Six Hundred Thirty Six and Seventeen Hundredths Feet (636.17') East of the Northwest Corner of the Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) Section Two (2), Township Ninety North (T 90 N), Range Thirty Seven West (R 37 W) of the Fifth Principal Meridian (5th P.M.); thence North $90^{\circ}00'$ East along the North Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Six Hundred Eighty Three and Forty Six Hundredths Feet (683.46') to the Northeast Corner of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$); thence South $00^{\circ}13'$ West along the East Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Eight Hundred Twenty Five and nine Tenths Feet (825.90'); thence South $00^{\circ}35'$ East along said East Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Nine Hundred Seven and Twenty Eight Hundredths Feet (907.28') to the Northerly right of way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad; thence Northwesterly along the Northerly right of way line of said railroad, said line being a part of a circular curve concave southwesterly with a radius of Two Thousand Nine Hundred Fourteen and Seventy Nine Hundredths Feet (2,914.79') a distance of Six Hundred Fifty Two and Thirty Four Hundredths Feet (652.34'); thence continuing along said railroad right of way line North $60^{\circ}01'20''$ West a distance of Three Hundred and Eighty Six Hundredths Feet (300.86') to the Southeast Corner of Lot Eight (8), Block Nine (9), Third Sunrise Park Addition to the City of Storm Lake, Iowa; thence North $30^{\circ}11'40''$ East along the East Line of said Lot Eight (8) a distance of One Hundred Seventy Nine and Seventy Five Hundredths Feet (179.75') to the Northeast Corner of said Lot Eight (8); thence North $45^{\circ}04'$ East a distance of Sixty Two and Nine Hundredths Feet (62.09') to the Southeast corner of Lot Ten (10), Block Five (5), Corrected Plat Block Five (5) Third Sunrise Park Addition to Storm Lake, Iowa; thence North $27^{\circ}47'$ East along the East Line of said Lot Ten (10) a distance of One Hundred Fourteen and Five Tenths Feet (114.50') to the Northeast Corner of said Lot Ten (10), and the Southeast Corner of Lot Twelve (12) of said Block Five (5); thence North $15^{\circ}30'$ East along the East Line of said Lot Twelve (12) a distance of One Hundred Eight and Five Tenths Feet (108.50') to the Northeast Corner of said Lot Twelve (12), and the Southeast Corner of Lot Thirteen (13) of said Block Five (5); thence North $08^{\circ}46'$ East along the East Line of said Lot Thirteen (13) a distance of Eighty Seven and Five Tenths Feet (87.50') to the Northeast Corner of said Lot Thirteen (13), and the Southeast Corner of Lot Fourteen (14) of said Block Five (5); thence North $04^{\circ}13'$ East along the East Line of Lots Fourteen, Fifteen, Sixteen, and Seventeen (14, 15, 16, & 17) all in said Block Five (5) a distance of Three Hundred Twenty One and Eight Tenths Feet (321.80') to the Northeast Corner of said Lot Seventeen (17) Block Five (5); thence North $03^{\circ}32'$ East a distance of Sixty and Eighty Five Hundredths Feet (60.85') to the North Line of East Seventh Street (E. 7th. St.) as dedicated; thence North $89^{\circ}59'$ West along the North Line of said East Seventh Street (E. 7th. St.) a distance of One Hundred Sixty Three and Twenty Five Hundredths Feet (163.25') to the Southeast Corner of Lot Nine (9), Block One (1) First Sunrise Park Addition to the City of

Storm Lake, Iowa; thence north $00^{\circ}07'$ East along the East Line of said Block One (1) a distance of Three Hundred Twenty Two Feet (322.00') to the Point of Beginning and containing an area of 21.60 acres of which 0.79 acres are existing highway right of way. The above description is intended to include only that part of the East Half, Northwest Quarter ($E\frac{1}{2} NW\frac{1}{4}$) of Section Two (2), T 90 N, R 37 W of the Fifth P.M. lying North of the C. M. St. P. & P. Railroad that has not been included in the First, Second or Third Plattings of Sunrise Park Additions to Storm Lake, Iowa. For the purpose of this description the North Line of the Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) Section Two (2), T 90 N, R 37 W of the Fifth P.M. is assumed to have a True East to West Bearing. EXCEPT that land included in the First, Second and Third Plattings of Sunrise Park Addition to Storm Lake, Iowa,



NOTICE OF PUBLICATION

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION File number: 2020-3

**DUE TO COVID-19, MEETINGS WILL BE TELEPHONIC ONLY
TO PARTICIPATE CALL 1-408-418-9388 ACCESS 146 833 2644**

City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

November 20, 2020

A petition for a rezoning request in the R-1 Low Density Residential District as applied to the properties described as: 1401 Poplar Lane, 1404 Poplar Lane and parcel 1402131001 has been filed by Thomas W. Prichard, Eloise Y Prichard, James M Prichard, Jane E. Prichard.

Being more particularly described as follows:

1401 Poplar Ln. Lot seven (7), block nine (9), third Sunrise Park Addition to the City of Storm Lake, Iowa

1404 Poplar Ln. Lot eight (8), block nine (9), third Sunrise Park Addition of Storm Lake, Iowa
Parcel # 1402131001 See Exhibit "A" .

The petition requests approval of a rezoning of such property from R-1 Low Density Residential to R-3 Medium Density Residential.

DUE TO COVID-19, BOTH MEETINGS WILL BE TELEPHONIC ONLY

A public hearing will be held by the Planning and Zoning Commission on Wednesday, December 2, 2020 at 4:30 p.m. **via teleconference by calling 1-408-418-9388 access 146 833 2644**. Following the hearing, the Commission will make a recommendation to the City Council relative to the application. The City Council will meet to set a public hearing on this application for zoning classification request on December 7, 2020 at 5:00 pm **via teleconference by calling 1-408-418-9388 access 146 833 2644**. If you so desire, you yourself, an agent or an attorney may call in to join the hearing before the Commission, Council, or both in opposition to or support of the proposed change in the zoning ordinance to amend the zoning of this parcel from R-1 Low Density Residential to R-3 Medium Density Residential.

Respectfully submitted,

Scott Olesen
Zoning Administrator

Exhibit "A"

That part of the East Half of the Northwest Quarter ($E\frac{1}{2} NW\frac{1}{4}$), Section Two (2), Township Ninety North (T 90 N), Range Thirty-seven West (R 37 W) of the 5th P.M., Buena Vista County, Iowa, lying North of the right of way of the Chicago, Milwaukee, St. Paul and Pacific Railroad, more particularly described as follows: Commencing at a Point Six Hundred Thirty Six and Seventeen Hundredths Feet (636.17') East of the Northwest Corner of the Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) Section Two (2), Township Ninety North (T 90 N), Range Thirty Seven West (R 37 W) of the Fifth Principal Meridian (5th P.M.); thence North $90^{\circ}00'$ East along the North Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Six Hundred Eighty Three and Forty Six Hundredths Feet (683.46') to the Northeast Corner of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$); thence South $00^{\circ}13'$ West along the East Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Eight Hundred Twenty Five and nine Tenths Feet (825.90'); thence South $00^{\circ}35'$ East along said East Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4} NW\frac{1}{4}$) a distance of Nine Hundred Seven and Twenty Eight Hundredths Feet (907.28') to the Northerly right of way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad; thence Northwesterly along the Northerly right of way line of said railroad, said line being a part of a circular curve concave southwesterly with a radius of Two Thousand Nine Hundred Fourteen and Seventy Nine Hundredths Feet (2,914.79') a distance of Six Hundred Fifty Two and Thirty Four Hundredths Feet (652.34'); thence continuing along said railroad right of way line North $60^{\circ}01'20''$ West a distance of Three Hundred and Eighty Six Hundredths Feet (300.86') to the Southeast Corner of Lot Eight (8), Block Nine (9), Third Sunrise Park Addition to the City of Storm Lake, Iowa; thence North $30^{\circ}11'40''$ East along the East Line of said Lot Eight (8) a distance of One Hundred Seventy Nine and Seventy Five Hundredths Feet (179.75') to the Northeast Corner of said Lot Eight (8); thence North $45^{\circ}04'$ East a distance of Sixty Two and Nine Hundredths Feet (62.09') to the Southeast corner of Lot Ten (10), Block Five (5), Corrected Plat Block Five (5) Third Sunrise Park Addition to Storm Lake, Iowa; thence North $27^{\circ}47'$ East along the East Line of said Lot Ten (10) a distance of One Hundred Fourteen and Five Tenths Feet (114.50') to the Northeast Corner of said Lot Ten (10), and the Southeast Corner of Lot Twelve (12) of said Block Five (5); thence North $15^{\circ}30'$ East along the East Line of said Lot Twelve (12) a distance of One Hundred Eight and Five Tenths Feet (108.50') to the Northeast Corner of said Lot Twelve (12), and the Southeast Corner of Lot Thirteen (13) of said Block Five (5); thence North $08^{\circ}46'$ East along the East Line of said Lot Thirteen (13) a distance of Eighty Seven and Five Tenths Feet (87.50') to the Northeast Corner of said Lot Thirteen (13), and the Southeast Corner of Lot Fourteen (14) of said Block Five (5); thence North $04^{\circ}13'$ East along the East Line of Lots Fourteen, Fifteen, Sixteen, and Seventeen (14, 15, 16, & 17) all in said Block Five (5) a distance of Three Hundred Twenty One and Eight Tenths Feet (321.80') to the Northeast Corner of said Lot Seventeen (17) Block Five (5); thence North $03^{\circ}32'$ East a distance of Sixty and Eighty Five Hundredths Feet (60.85') to the North Line of East Seventh Street (E. 7th. St.) as dedicated; thence North $89^{\circ}59'$ West along the North Line of said East Seventh Street (E. 7th. St.) a distance of One Hundred Sixty Three and Twenty Five Hundredths Feet (163.25') to the Southeast Corner of Lot Nine (9), Block One (1) First Sunrise Park Addition to the City of

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DRAWN BY:
TAL
CHECKED BY:
JGP
DATE:
11/16/2020
JOB NO.
20027
SHEET
C02



EAST 4TH STREET

ENTRANCE

EAST MILWAUKEE STREET





FAQ's

Will there be a storm shelter? / These units do not have basements and it doesn't appear a storm shelter is planned?

It is accurate that these units will be slab-on-grade. Residents are advised to seek shelter in an interior, ground floor room, such as a bathroom. This is the same procedure followed by students in schools, occupants of an office building, shoppers in a retail environment, and residents of apartment buildings.

Will the few streets be able to handle the traffic?

We discussed these concerns that were brought up with the city and understand they intend to request a traffic study for the nearby state road in question. There are no concerns with traffic through the development.

How will this affect water pressure?

It is our understanding that the adjacent neighborhood experiencing water pressure issues is serviced by a 4" line and the standard is now for service to be through an 8" line, which is likely what the current neighbors are experiencing what appears to be low water pressure. This development would be connecting to a separate 8" line, on a separate loop. There should be no impact to the water supply of the adjacent neighborhoods.

Is this low income or subsidized housing?

It is neither. It is market-rate housing, priced at a level that is meant to be affordable to the working class. We anticipate rents starting around \$900/mo for a 3-bedroom, 1-bathroom townhome, and households would be required to show proof of verifiable income of at least three times the monthly rent (in this case, \$36,000 annually).

Is the sale of the land contingent on the completion of this project, or could the project change once the land has been purchased?

The purchase of the land is contingent upon the approval of the rezoning application and the site plan, as well as a number of other due diligence items.

176 units could include between 500-700 individuals in a concentrated area.

The proposed development would result in a density of 8 units/acre. This is significantly lower than traditional apartment development.

176 units could easily involve 350 vehicles. The smaller units have a single car garage; the 10 larger units have a double car garage. The plan shows 30 additional parking spaces for overflow. Weekends, holidays, etc. seem like it could cause a problem.

Each unit will have a minimum of two parking spaces – one in the garage and one in the driveway. The units with a 2-car garage have four parking spaces per unit. The proposed concept mirrors a large number of developments Kading already has in operation. We have not experienced issues with insufficient parking available as a result of this typical design.

Streets would be considered private; therefore, not required to conform with City of Storm Lake specifications.

There are engineering construction standards and public safety standards that apply with regard to access by emergency personnel, etc. The best way to think of the private drives is as an extended driveway like you would find in a development with several apartment buildings. The benefit to the city of the drives being private is that Kading will be responsible for all repair, maintenance, snow removal, etc. whereas with public streets the city would be obligated to these expenses. Additionally, proactive management practices allow Kading to enforce a reduced speed limit, restrict parking to off-street spaces, etc.

There is very limited space for children to play.

There is a greenspace parkland planned for dedication to the city on the south end of the development. Additionally, there is ample green space around the buildings to allow for recreation. Again, the proposed concept mirrors many developments in existence, and this has not been an issue.

Storm Lake was under "water conservation" this past summer which causes concern. An additional 500-700 individuals in a small area would seem to put additional stress on the Storm Lake water system. Sewer problems also causes concern.

We are not aware of the specifics of the water conservation requirement this summer in Storm Lake, but many communities are forced to put in place some sort of water conservation efforts in times of drought. Many areas of Iowa did experience severe drought this summer. We have shared both of these concerns with the city, and they have assured us they do not foresee any issue with water supply, stormwater, or sanitary capacity issues as a result of the proposed development. The development of the land and resulting engineered water retention system would actually result in slower release of water into the stormwater system than currently exists. The city has shared with us that they see no capacity issues with the sanitary tie-in that would be utilized; my understanding is that this is not directly tied in to the adjacent neighborhood, but rather runs to the south.

Many times, a home "owner" takes more pride in the maintenance of the property than "renters", who are only obligated to a monthly payment and can move on at will.

The Site Specialist hired to oversee the property would be an employee of the owner. Our Site Specialists take meticulous care of our properties, and our management team appropriately funds replacement reserve accounts to plan for capital improvements and repairs to ensure the properties are maintained over time. Kading would be responsible for all lawn care, landscaping, snow removal, repairs, and maintenance, which results in more uniform care of the entire property than if there were individual homeowners. In order to serve all of its residents, a community needs a variety of housing options including both rental and owner-occupied homes. Many individuals either prefer the rental lifestyle in which they do not have to worry about yard work and maintenance, and others do not have the means to purchase a home, particularly a new construction home with costs that are continually rising. We are proud to offer a quality rental option.

ORDINANCE NO. 04-O-2020-2021

ORDINANCE AMENDING THE ZONING ORDINANCE OF THE CITY OF STORM LAKE, IOWA BY CHANGING THE ZONING CLASSIFICATION OF CERTAIN REAL ESTATE

WHEREAS, after due notice of intended action as provided by law, the City Council of the City of Storm Lake, Iowa, has determined that the zoning ordinance of this City should be amended as set forth below; and

WHEREAS, said action has been recommended by the Planning and Zoning Commission of the City of Storm Lake, Iowa;

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Storm Lake, Iowa, that, pursuant to Article IV, Section 406 of the Zoning Ordinance of the City of Storm Lake, Iowa, the official zoning map, as referred to therein, is hereby amended as follows:

The three real estate parcels legally described as:

Lot Seven (7), Block Nine (9), Third Sunrise Park Addition to the City of Storm Lake, Iowa;

and

Lot Eight (8), Block Nine (9), Third Sunrise Park Addition to the City of Storm Lake, Iowa;

and

That part of the East Half of the Northwest Quarter ($E\frac{1}{2}NW\frac{1}{4}$), Section Two (2), Township Ninety North (T90N), Range Thirty-Seven West (R37W) of the 5th P.M., Buena Vista County, Iowa, lying North of the right of way of the Chicago, Milwaukee, St. Paul and Pacific Railroad, more particularly described as follows: Commencing at a point Six Hundred Thirty Six and Seventeen Hundredths Feet (636.17') East of the Northwest Corner of the Northeast Quarter, Northwest Quarter ($NE\frac{1}{4}NW\frac{1}{4}$), Section Two (2), Township Ninety North (T90N), Range Thirty-Seven West (R37W) of the Fifth Principal Meridian (5th P.M.); thence North $90^{\circ}00'$ East along the North Line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4}NW\frac{1}{4}$) a distance of Six Hundred Eighty Three and Forty Six Hundredths Feet (683.46') to the Northeast Corner of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4}NW\frac{1}{4}$); thence South $00^{\circ}13'$ West along the East line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4}NW\frac{1}{4}$) a distance of Eight Hundred Twenty Five and Nine Tenths Feet (825.90'); thence South $00^{\circ}35'$ East along said East line of said Northeast Quarter, Northwest Quarter ($NE\frac{1}{4}NW\frac{1}{4}$) a distance of Nine Hundred Seven and Twenty Eight Hundredths Feet (907.28') to the Northerly right of way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad; thence Northwesterly along the Northerly right of way line of said railroad, said line being a part of a circular curve concave southwesterly with a radius of Two Thousand Nine Hundred Fourteen and Seventy Nine Hundredths Feet (2,914.79') a distance of Six Hundred Fifty Two and Thirty Four Hundredths Feet (652.34'); thence continuing along said railroad right of way line North $60^{\circ}01'20''$ West a distance of Three Hundred and Eighty Six Hundredths Feet (300.86') to the Southeast corner of Lot Eight (8), Block Nine (9), Third Sunrise Park Addition to the City of Storm Lake, Iowa; thence North $30^{\circ}11'40''$ East along the East line of said Lot Eight (8) a distance of One Hundred Seventy Nine and Seventy Five Hundredths Feet (179.75') to the Northeast

Corner of said Lot Eight (8); thence North 45.04' East a distance of Sixty Two and Nine Hundredths Feet (62.9') to the Southeast corner of Lot Ten (10), Block Five (5), Corrected Plat Block Five (5) Third Sunrise Park Addition to Storm Lake, Iowa; thence North 27°47' East along the East line of said Lot Ten (10) a distance of One Hundred Fourteen and Five Tenths Feet (114.50') to the Northeast Corner of said Lot Ten (10), and the Southeast Corner of Lot Twelve (12) of said Block Five (5); thence North 15°30' East along the East line of said Lot Twelve (12) a distance of One Hundred Eight and Five Tenths Feet (108.50') to the Northeast corner of said Lot Twelve (12), and the Southeast corner of Lot Thirteen (13) of said Block Five (5); thence North 08°46' East along the East line of said Lot Thirteen (13) a distance of Eighty Seven and Five Tenths Feet (87.50') to the Northeast Corner of said Lot Thirteen (13), and the Southeast corner of Lot Fourteen (14) of said Block Five (5); thence North 04°13' East along the East line of Lots Fourteen , Fifteen, Sixteen and Seventeen (14, 15, 16 & 17) all in said Block Five (5) a distance of Three Hundred Twenty One and Eight Tenths Feet (321.80') to the Northeast corner of said Lot Seventeen (17), Block Five (5); thence North 03°32' East a distance of Sixty and Eighty Five Hundredths Feet (60.85') to the North line of East Seventh Street (E.7th St.) as dedicated; thence North 89°59' West along the North line of said East Seventh Street (E. 7th St.) a distance of One Hundred Sixty Three and Twenty Five Hundredths Feet (163.25') to the Southeast corner of Lot Nine (9), Block One (1) First Sunrise Park Addition to the City of Storm Lake, Iowa; thence North 00°07' East along the East line of said Block One (1) a distance of Three Hundred Twenty Two Feet (322.00') to the Point of Beginning and containing an area of 21.60 acres of which 0.79 acres are existing highway

are hereby rezoned from a district classification of R-1 (Low Density Residential) to a district classification of R-3 (Medium Density Residential).

This ordinance shall be in full force and effect from and after its passage and publication as provided by law.

PASSED AND APPROVED this _____ day of _____, 2020.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Mayra Martinez

From: Colette Baker
Sent: Monday, January 4, 2021 3:26 PM
To: Mayra Martinez; Scott Olesen; Keri Navratil; Mike Porsch; Maria Ramos; Kevin McKinney; Tyson Rice; Dan Smith; Jose Ibarra
Subject: Re Kading Proposal

Honorable Mayor, Council, Storm Lake staff and city officials, etc.,

Proposed Development - Will It Make Storm Lake Proud?

The City of Storm Lake definitely needs to address our community's housing shortage and encourage developers to construct quality housing that is adequate for residents of all income levels. Many families are currently living in substandard and/or crowded living arrangements; while people who are seeking to relocate to our community are deterred by the lack of available places to live that meet their personal and financial goals.

Kading Properties' current housing development proposal has some very positive features; and many may feel that their plan is a dream come true. However, there are some details and unintended consequences that our city leaders should consider before making any final decisions regarding rezoning the property from R1 to R3 to allow for 176 duplex units to be constructed.

The monthly rental price of \$900 minimum is excessively high for the smaller units that feature a single-car garage, no basement, a tiny yard, and limited amenities. Does that amount include utilities; are there any hidden charges; and how soon is that fee likely to be raised? Also what will the rent be for the larger units; and why has that figure not been made easily accessible to the public?

More information should be released regarding floor plans, storage space, and specific appliances that will be furnished. Also are there provisions for patios or porches to allow residents to have the better quality of life that fresh air and outdoor living space provide? This is a vital health issue that has been raised during these days of coronavirus concerns.

Several people mentioned their thoughts about the unattractive building designs. The duplexes are intended to be market rate homes, however, they have the appearance of places intended for lower income renters. The innumerable moderate housing developments I have noticed springing up in the areas surrounding Des Moines are much more aesthetically pleasing than the proposed Storm Lake duplexes. Our town deserves to have homes with decent appearances that don't look like a continuous line-up of garages and driveways. I realize we are desperate; but a compassionate architect would have mercy and empathy for our pressing housing situation and not make Storm Lake settle for less.

Another very extremely important issue is the lack of laundry appliances in the new duplexes. Providing hook-ups and expecting moderate-income renters to afford their own washers and dryers - after paying a deposit and other expenses related to moving - is unrealistic, especially when a huge development company could purchase such items in bulk at a much, much, much lower cost. Washers and dryers are very basic needs - much more useful than items like dishwashers and garbage disposals. It is a major inconvenience for people to haul dirty clothing, linens, and sacks of quarters out of their homes on a regular basis; and that misery is amplified when people have busy work schedules, are caring for small children, or are dealing with illness or fatigue. Imagine how unpleasant it is for them to encounter local laundromats that may be frightfully filthy, extremely expensive, or too crowded for those who are health conscious. Landlords in Storm Lake who are community-minded have the decency to offer laundry facilities to their renters, and perhaps Kading Properties would choose to follow their lead and be a compassionate community partner.

I share the city's concerns regarding the dire need for housing in Storm Lake, but this should be balanced with striking a compromise between the conflict of corporate profits vs. quality homes for families who are renters. Let us continue the momentum of **Storm Lake Proud**, as advocated by our city's leaders, and encourage builders and property management companies to join our efforts in providing Storm Lake homes that are comfortable and wonderful places for people to live.

Thank you for your consideration.

Andriette Wickstrom
712-732-3987
andriettewickstrom@gmail.com

11/29/2020

Attn: Planning and Zoning Commission

Dear Sir:

In regard to the proposed rezoning request for Kading Properties LLC for the area between Tulip Lane, Hickory Lane, 4th Street and Milwaukee.

We are currently an R-1 Low Density Residential. Due to the following facts, I would very much like to discourage you in changing the rezoning.

1. The current water/sewer is not adequate for all three neighborhoods.
2. As stated in the Storm Lake times newspaper, research shows we may be hitting our water limit due to the high consumption levels in the Dakota Aquifer. This summer you had asked the residence of Storm Lake to conserve water. If we couldn't handle the water consumption levels this summer how can we handle an additional 176 town houses or approximately 528 (at the least) people.
3. Have you thought about the traffic on 4th street. If every town house has two vehicles, 352 more vehicles would be traveling 4th street and Milwaukee. 4th Street is already congested about any time of day, especially 3:00 on. I try not to go that way if, at all possible.
4. When it rains, the water will go to the street. Great place for flooding. I realize Tulip Lane has had a lot of rainwater problems and I realize you are working on it; I am sure Kading Properties will also. Residents and visitors will be driving through the water along with children as there will be no sidewalks. I understand there will be no "ponds" for water drainage, which I don't feel 'ponds' are the answer anyway. I see flooding again.
5. I understand there would be a 10 years tax abatement. My taxes will have to increase to help pay for the sewer and water for a company that makes millions of dollars. One of my family members inquired about purchasing a home on the lake in Storm Lake. They found out that Storm Lake's taxes are higher than the taxes in Spirit Lake, in the best lake front area. They decided against moving here for that reason alone.

We welcome new residential neighborhoods R-1 with sewer and water systems and citizens paying for their own taxes. We are retired and on a limited income.

I am asking you NOT to change the zoning as our forefathers had laid out and instead build family homes.

Sincerely,

Henry and Sandra Ivers

Dear Mr. Olesen and Members of the Planning and Zoning Commission:

Kading Properties of Urbandale, Iowa proposes to build 176 rental units in the field between Milwaukee Ave. and 4th Street. This would require changing the zoning from R-1 to R-3. I oppose the change in zoning for the following reasons:

- 1) The neighborhood on the east side of the property has 77 homes and two apartment houses with 24 units. The neighborhood on the west side of the property has 50 homes and 8 apartment units. The proposed units would more than double population, traffic, and use of utilities. The request to change zoning from R-1 which allows about 4 houses/acre to R-3 which would allow 8 units/acre would **double density**.
- 2) The proposed plan has exits onto 4th Street and East Milwaukee. If each unit has two cars, an **additional 352 vehicles** would travel those two streets. There is no stop light on either street. There are **no sidewalks**. Congestion and accidents would likely increase.
- 3) More than doubling the households would **stress water and sewer for all three neighborhoods**. The existing neighborhoods already experience problems with water backup and inadequate water pressure. According to a recent newspaper article, the water aquifers available to Storm Lake are running out of water.
- 4) **Storm water drainage** is an issue throughout Storm Lake. Several locations in the existing neighborhoods flood. The water table is high. The neighborhood on the east side of the proposed housing is finally receiving some attention to address this issue. An additional 176 housing units will undoubtedly increase storm water issues.
- 5) Kading is renting all 176 units. The **rental dollars will end up in Urbandale** not Storm Lake.
- 6) Kading expects that units will be rented by people living in Storm Lake and small towns around Storm Lake. If people already live within Storm Lake, this **will not increase local businesses revenues**. The small towns around Storm Lake do not have grocery stores or other businesses. They already shop in Storm Lake so will not increase business significantly. **Existing rentals will be emptied**, negatively impacting their owners and communities.
- 7) Renters do not pay property taxes. According to Kading, the City of Storm Lake will not charge them taxes for 10 years. That means that **my neighbors and I will be paying Kading's taxes**.
- 8) The Storm Lake School District is building a new school in phases. As those phases proceed, we are likely to see a tax increase.
- 9) The City of Storm Lake is discussing new water and wastewater systems which are needed for expansion of business and residential areas. These systems will be very costly and will be paid by community members paying higher water rates.
- 10) Kading intends to bring in its own crew to build the properties. They do not intend to employ any local residents.

11) Streets will not be built to City standards. They will be narrower and there will be no sidewalks. When asked, Kading said that kids could walk and play in the streets. Will these streets be wide enough for emergency vehicles? What if someone parks in the street?

I welcome responsible building that would keep benefits in the Storm Lake community. I would welcome City Council working with our local builders to fill the field with a variety of housing: houses, condominiums, and duplexes for sale, and some rental properties. This approach would be in keeping with the existing neighborhoods, would benefit the community as a whole, and would keep the building money and tax dollars in the community.

I would like to see Storm Lake take a regional approach to growth. The small towns around Storm Lake contribute homes for many people. Some people prefer to live in smaller communities. The housing may be more affordable. Other communities have figured out how to provide transportation to bring workers to their industry. Storm Lake could do that and develop a neighborly relationship with these communities rather than an adversarial relationship.

Changing the zoning of this piece of land is not in keeping with the best use of this land. The original intent was to build homes for purchase. While it may be valuable to consider mixed housing, the plan to fill this piece of real estate with all rentals owned by an out of town corporation will harm the existing communities as well as cost existing home owners whose existing street, water, and sewer needs are not met as it is. I urge you not to change the zoning of this property.

Sincerely,

Kathryn McKinley1

1208 E. Milwaukee Ave.

Storm Lake, IA 50588

Members of the Planning and Zoning Commission:

Thank you for taking the time to read this correspondence.

I am aware that rental housing is a priority for Storm Lake in light of the need for a stable work force. I do take issue, however, with the shoebox or sardine-can approach to this residential rental proposal. It reminds me very much of military base and university married housing. When I occupied university housing, there were sidewalks, though, for the children and the disabled. Will there be pedestrian and bike access through East 7th or Poplar Lane? There is no pedestrian sidewalk on E. Milwaukee. The students who walk to school from this proposed addition will not have a safe route. Green space, as a percentage of the total land, is rather misleading when the sixteen feet between the rental units is included.

City tax abatement on rental units which will produce income of \$176,000 per month does not seem all that fair to the people who reside in this community. Kading is an entity that will require our police and firefighter departments to help maintain safety and security of their rental property. Obligations that need to be met by The City Beautiful such as street lights, water, and sewer will not be remunerated in kind for ten years. And what of Kading's obligations five years down the road?

Maintaining the zoning as R1, would be a way to build mixed housing which could include rental property. This would lead to a much better sense of community. A more measured and thoughtful approach to this proposal, might keep the community from regarding this as merely an enclave for transient workers.

Mark Fikkert

806 Geisinger Road

between East Milwaukee and 4th Street for the construction of 176 units (town homes) for the following reasons:

1. 176 units could include between 500-700 individuals in a concentrated area
2. 176 units could easily involve 350 vehicles. The smaller units have a single car garage; the 10 larger units have a double car garage. The plan shows 30 additional parking spaces for overflow. Weekends, holidays, etc seem like it could cause a problem.
3. Streets would be considered private; therefore, not required to conform with City of Storm Lake specifications.
4. There is very limited space for children to play.
5. Storm Lake was under "water conservation" this past summer which causes concern. An additional 500-700 individuals in a small area would seem to put additional stress on the Storm Lake water system. Sewer problems also causes concern.
6. These units do not have basements and it doesn't appear a storm shelter is planned.

We understand Storm Lake has a housing shortage and we embrace change that will benefit residents of the city; we do not believe that the passage of this proposal is a positive step towards the betterment of Storm Lake.

Many times a home "owner" takes more pride in the maintenance of the property than "renters", who are only obligated to a monthly payment and can move on at will. Many present residents near the proposed development would like to see good quality homes built by local contractors.

We hope you will take time and consideration to the concerns of Storm Lake residents who will be highly affected by the proposed plan between East Milwaukee and 4th Street.

Sincerely,

Jim and Fern Bjorklund

1308 Poplar Lane

Storm Lake, IA

Staff Summary

1/4/2021

Agenda Item # 5.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Scott Olesen, Building Official

SUBJECT: **Public Hearing On Plans, Specifications, Form Of Contract, and Engineer's Estimate of Cost For The Storm Lake Radio Park Lift Station Project**

BACKGROUND: This agenda item is the public hearing to approve the plans, specifications, form of contract, and Engineer's estimate of cost for the Storm Lake Radio Park Lift Station project.

This project will replace the existing sanitary sewer lift station located at the south west corner of Radio Park. The existing lift station has been in place for over 50 years and has reached the point in its service life where it must be replaced. It still is a necessary part of the sanitary sewer system, so it cannot be abandoned.

The project proposal does include an addendum for an on-site emergency electrical generator.

FISCAL IMPACT: The Engineers estimate of base bid cost is \$557,711.00. Cost including an alternate for an on site generator is \$608,911.00.

RECOMMENDATION: Open
Hear Public Comments
Close Hearing

ATTACHMENTS:

Description	Type
Public Hearing Notice	Backup Material

NOTICE OF PUBLIC HEARING

NOTICE OF PUBLIC HEARING ON PROPOSED PLANS AND SPECIFICATIONS, FORM OF
CONTRACT AND ESTIMATE OF COST FOR THE CONSTRUCTION OF RADIO PARK LIFT
STATION REPLACEMENT FOR THE CITY OF STORM LAKE, IOWA

Notice is hereby given that the City Council of Storm Lake, Iowa, will meet at City Hall, 620 Erie Street, Storm Lake, Iowa on the **4th day of January, 2021, at 5:00 p.m.**, Due to Covid-19, this meeting will be a telephonic meeting only ~ dial in to participate: 1-408-418-9388 ACCESS CODE: 146 309 7532 at which time and place a hearing will be held on the proposed plans and specifications, form of contract and estimate of cost for Radio Park Lift Station Replacement, in and for said City. Any interested person may appear at said hearing and file objections to the proposed plans, specifications, form of contract and estimated costs for said improvements.

The general description of types of construction and their limits for which bids will be received shall be as follows:

Lift Station Replacement – Base Bid

Replacement of the existing lift station with a concrete wet well structure, two 1250 GPM submersible effluent pumps, process piping, controls, and all other miscellaneous work to complete the project.

Lift Station Replacement – Alternate Bid

All items from the base bid will apply, with the addition of a stationary generator.

The general project location is as follows: Radio Park, Storm Lake, IA.

Plans and specifications governing the construction of the proposed improvements have been prepared by the Engineer. These plans and specifications, and the proceedings of the City referring to and defining said improvements, are hereby made a part of this Notice and the proposed contract by reference, and the proposed contract shall be executed to comply therewith.

Published upon order of the City of Storm Lake, Iowa.

CITY OF STORM LAKE, IOWA

BY /s/ Mike Porsch
Mayor

ATTEST:

BY /s/ Keri Navratil
City Manager

Staff Summary

1/4/2021

Agenda Item # 6.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Scott Olesen, Building Official

SUBJECT: **Resolution No. 33-R-2020-2021 Approving Plans, Specifications, Form Of Contract, and Engineer's Estimate of Cost For The Storm Lake Radio Park Lift Station Project.**

BACKGROUND: This agenda item is the public hearing to approve the plans, specifications, form of contract, and Engineer's estimate of cost for the Storm Lake Radio Park Lift Station project.

This project will replace the existing sanitary sewer lift station located at the south west corner of Radio Park. The existing lift station has been in place for over 50 years and has reached the point in its service life where it must be replaced. It still is a necessary part of the sanitary sewer system, so it cannot be abandoned.

The project proposal does include an addendum for an on-site emergency electrical generator.

FISCAL IMPACT: The Engineers estimate of base bid cost is \$557,711.00. Cost estimate including an alternate for an on-site emergency generator is \$608,911.

RECOMMENDATION: Review and approve the attached plans, specifications, form of contract, and Engineers estimate of cost provided by ISG.
Approve Resolution 33-R-2020-2021

ATTACHMENTS:

Description	Type
□ Resolution 33-R-2020-2021	Resolution

RESOLUTION NO. 33-R-2019-2020

RESOLUTION ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, ESTIMATE OF COST AND BID FORM FOR THE STORM LAKE RADIO PARK LIFT STATION PROJECT

WHEREAS, the plans, specifications, form of contract, estimate of cost, and bid form were filed with the CITY for the construction of certain public improvements described in general as the Storm Lake Radio Park Lift Station Project; and

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

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA;

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

PASSED AND APPROVED this 21st day of December, 2020.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

1/4/2021

Agenda Item # 7.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Brian Oakleaf, Finance Director

SUBJECT: **Motion to Set Public Hearing on Setting Tax Levy Rate and Maximum Property Tax Dollars**

BACKGROUND: This agenda item will set a Public Hearing for Setting the Tax Levy Rate and establishing the Maximum Property Tax Dollars as required by State Code stated in SF 634.

The Public Hearing will be Monday, January 18th, 2020 at 5:00 P.M. in City Council Chambers.

Notice of the Public Hearing will be published in the newspaper and added to the City's website and social media accounts as required by law.

FISCAL IMPACT: The fiscal impact to set the public hearing is the cost of publication.

RECOMMENDATION: Set the Public Hearing for January 18th, 2020 at 5:00 p.m. in Council Chambers

Staff Summary

1/4/2021

Agenda Item # 8.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: David Derragon, Assistant City Manager

SUBJECT: **Motion Setting the Public Hearing for the Oneida Street Reconstruction Project, Phase 1 Plans, Specifications, and Form of Contract**

BACKGROUND: The project provides for the reconstruction of Oneida Street from Highway 7 (East Milwaukee Avenue) to East Railroad Street and includes the removal of a 70+ year old collector road and replacement with new 31-foot-wide concrete surfacing and associated subdrains. Bids for the project were initially let in April 2020 and the two received bids were nearly \$500,000 over the engineer's estimate. Bids were rejected at the May 4, 2020 meeting and it was determined the project scope be ultimately reduced to become aligned with the project budget.

The Engineer's Opinion of Probable Construction Cost is \$2,128,956.00. The project is receiving federal/state aid funding in the amount of \$594,300. The balance of the construction cost will be local match and provided through Road Use, Franchise Fee, and Local Option Sales Tax funds.

The project letting is currently scheduled for January 20, 2021 and is facilitated by the Iowa Department of Transportation.

To move forward with the process, a public hearing is planned for February 1, 2021 at 5:00 p.m. in City Council Chambers.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$2,128,956.00 (\$594,300 from federal/state aid funding)

RECOMMENDATION: Approve Setting a Public Hearing for 5:00 p.m. on February 1,

2021 in City Council Chambers

ATTACHMENTS:

Description	Type
 Iowa DOT Proposal	Backup Material
 Project Manual	Backup Material
 Engineer's Estimate of Construction Cost	Backup Material
 Notice of Public Hearing	Backup Material



**CONTRACTS AND SPECIFICATIONS BUREAU
Proposal**

Proposal ID: 11-7422-618-A

Letting Date: January 20, 2021 10:00 A.M.

Call Order No.: 103

Proposal Work Type: PCC PAVEMENT - GRADE AND NEW

DBE Goal: 0.0%

Contracting Authority: CITY OF STORM LAKE

Proposal Guaranty: \$125,000.00

This proposal includes the following project(s):

Project Number: STBG-SWAP-7422(618)--SG-11

County: BUENA VISTA

Project Work Type: PCC PAVEMENT - GRADE AND NEW

Route: ONEIDA STREET

Location: In the city of Storm Lake On Oneida St. from Milwaukee Ave nue south .42 Miles to East Railroad St.

Road System: URBAN

Federal Aid - Wages: Non-Federal Aid - Predetermined Wages are not in Effect

Contract Time

Proposal ID:	11-7422-618-A	Call Order No.:	103
		Letting Date:	January 20, 2021 10:00 A.M.

Site ID	Site Details			Liquidated Damages
00	Late Start Date	05/03/2021	130 WORK DAYS	\$1,500.00

(*) - Indicates Cost Plus Time Site. See Schedule of Items for Cost Per Unit

Proposal Notes

Proposal ID: 11-7422-618-A**Call Order No.:** 103**Letting Date:** January 20, 2021 10:00 A.M.

Proposal Notes :

There are no notes for this proposal.

Proposal Specifications List

Page 1 of 1

Proposal ID: 11-7422-618-A**Call Order No.:** 103**Letting Date:** January 20, 2021 10:00 A.M.

Note	Description
001.2015	*** STANDARD SPECIFICATIONS -- SERIES 2015 *** The Iowa Department of Transportation STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2015, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications AND Special Provisions shall apply to construction work on this contract.
410.11	*** STORM WATER POLLUTION PREVENTION PLAN *** A Storm Water Pollution Prevention Plan has been developed by the Contracting Authority for one or more projects on this contract. See the project plans (or other contract document) for specific Storm Water Pollution Prevention Plan details.
500.01	*** WINTER WORK *** The free time allowed between November 15 and April 1 will not be permitted on this project. The Contractor shall work during the winter on all working days as defined in Article 1101.03 'Working Day'.
GS-15011	GENERAL SUPPLEMENTAL SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION

Proposal Schedule of Items

Page 1 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	2101-0850002 CLEARING AND GRUBBING	160.000 UNIT				
0020	2102-2713070 EXCAVATION, CLASS 13, ROADWAY AND BORROW	6,483.000 CY				
0030	2105-8425005 TOPSOIL, FURNISH AND SPREAD	1,236.000 CY				
0040	2109-8225100 SPECIAL COMPACTION OF SUBGRADE	21.000 STA				
0050	2115-0100000 MODIFIED SUBBASE	1,843.000 CY				
0060	2123-7450020 SHOULDER FINISHING, EARTH	30.000 STA				
0070	2213-7100400 RELOCATION OF MAIL BOXES	1.000 EACH				
0080	2301-1013070 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7 IN.	8,481.000 SY				
0090	2315-8275025 SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	21.000 TON				
0100	2435-0130148 MANHOLE, SANITARY SEWER, SW- 301, 48 IN.	1.000 EACH				
0110	2435-0140148 MANHOLE, STORM SEWER, SW-401, 48 IN.	1.000 EACH				

Proposal Schedule of Items

Page 2 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0120	2435-0140160 MANHOLE, STORM SEWER, SW-401, 60 IN.	3.000 EACH	_____	_____	_____	_____
0130	2435-0140172 MANHOLE, STORM SEWER, SW-401, 72 IN.	1.000 EACH	_____	_____	_____	_____
0140	2435-0140184 MANHOLE, STORM SEWER, SW-401, 84 IN.	1.000 EACH	_____	_____	_____	_____
0150	2435-0140210 MANHOLE, STORM SEWER, SW-402 MODIFIED	1.000 EACH	_____	_____	_____	_____
0160	2435-0250100 INTAKE, SW-501	10.000 EACH	_____	_____	_____	_____
0170	2435-0250248 INTAKE, SW-502, 48 IN.	3.000 EACH	_____	_____	_____	_____
0180	2435-0250260 INTAKE, SW-502, 60 IN.	3.000 EACH	_____	_____	_____	_____
0190	2435-0250500 INTAKE, SW-505	4.000 EACH	_____	_____	_____	_____
0200	2502-8212036 SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.	3,984.000 LF	_____	_____	_____	_____
0210	2502-8221006 SUBDRAIN RISER, 6 IN., AS PER PLAN	21.000 EACH	_____	_____	_____	_____
0220	2502-8221303 SUBDRAIN OUTLET, DR-303	37.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 3 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	2503-0114224 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.	16.000 LF	_____	_____	_____	_____
0240	2503-0114230 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	22.000 LF	_____	_____	_____	_____
0250	2503-0114236 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	50.000 LF	_____	_____	_____	_____
0260	2503-0114612 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 12 IN.	8.000 LF	_____	_____	_____	_____
0270	2503-0114615 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 15 IN.	943.000 LF	_____	_____	_____	_____
0280	2503-0114618 STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 18 IN.	83.000 LF	_____	_____	_____	_____
0290	2503-0116324 STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN.	753.000 LF	_____	_____	_____	_____

Proposal Schedule of Items

Page 4 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0300	2503-0116330 STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN.	359.000 LF	_____	_____	_____	_____
0310	2503-0200036 REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	2,155.000 LF	_____	_____	_____	_____
0320	2504-0114008 SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	66.000 LF	_____	_____	_____	_____
0330	2504-0200404 SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.	57.000 LF	_____	_____	_____	_____
0340	2504-0200406 SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	46.000 LF	_____	_____	_____	_____
0350	2504-0240036 REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	66.000 LF	_____	_____	_____	_____
0360	2510-6745850 REMOVAL OF PAVEMENT	9,393.000 SY	_____	_____	_____	_____
0370	2510-6750600 REMOVAL OF INTAKES AND UTILITY ACCESSES	19.000 EACH	_____	_____	_____	_____
0380	2511-6745900 REMOVAL OF SIDEWALK	429.000 SY	_____	_____	_____	_____
0390	2511-7526005 SIDEWALK, P.C. CONCRETE, 5 IN.	117.000 SY	_____	_____	_____	_____

Proposal Schedule of Items

Page 5 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0400	2511-7526006 SIDEWALK, P.C. CONCRETE, 6 IN.	298.000 SY	_____	_____	_____	_____
0410	2511-7528101 DETECTABLE WARNINGS	216.000 SF	_____	_____	_____	_____
0420	2515-2475006 DRIVEWAY, P.C. CONCRETE, 6 IN.	2,925.000 SY	_____	_____	_____	_____
0430	2515-6745600 REMOVAL OF PAVED DRIVEWAY	2,255.000 SY	_____	_____	_____	_____
0440	2524-6765010 REMOVE AND REINSTALL SIGN AS PER PLAN	17.000 EACH	_____	_____	_____	_____
0450	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	5.570 STA	_____	_____	_____	_____
0460	2527-9263137 PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	2.000 EACH	_____	_____	_____	_____
0470	2528-2518000 SAFETY CLOSURE	14.000 EACH	_____	_____	_____	_____
0480	2528-8445110 TRAFFIC CONTROL	LUMP SUM	LUMP SUM		_____	_____
0490	2533-4980005 MOBILIZATION	LUMP SUM	LUMP SUM		_____	_____
0500	2552-0000210 TRENCH FOUNDATION	200.000 TON	_____	_____	_____	_____
0510	2554-0114006 WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	2,066.000 LF	_____	_____	_____	_____

Proposal Schedule of Items

Page 6 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID:
Alt Mbr ID:

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0520	2554-0203000 FITTINGS BY WEIGHT, DUCTILE IRON	745.000 LB				
0530	2554-0205000 WATER SERVICE STUB, POLYETHYLENE 1 INCH	199.000 LF				
0540	2554-0205600 WATER SERVICE CURB STOP AND BOX, COPPER	12.000 EACH				
0550	2554-0207004 VALVE, GATE, DIP, 4 IN.	4.000 EACH				
0560	2554-0207006 VALVE, GATE, DIP, 6 IN.	12.000 EACH				
0570	2554-0210201 FIRE HYDRANT ASSEMBLY, WM-201	5.000 EACH				
0580	2555-0000010 DELIVER AND STOCKPILE SALVAGED MATERIALS	LUMP SUM	LUMP SUM			
0590	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING SANITARY SEWER	4.000 EACH				
0600	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING STORM SEWER	1.000 EACH				
0610	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING WATERMAIN	9.000 EACH				
0620	2599-9999005 (‘EACH’ ITEM) SALVAGE FIRE HYDRANT	4.000 EACH				

Proposal Schedule of Items

Page 7 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0630	2599-9999005 (‘EACH’ ITEM) SANITARY SEWER SERVICE REPAIR	5.000 EACH	_____	_____	_____	_____
0640	2599-9999005 (‘EACH’ ITEM) TILE REPAIR	5.000 EACH	_____	_____	_____	_____
0650	2599-9999005 (‘EACH’ ITEM) YARD HYDRANT	1.000 EACH	_____	_____	_____	_____
0660	2599-9999007 (‘HOURS’ ITEM) EXPLORATORY EXCAVATION	19.000 HOUR	_____	_____	_____	_____
0670	2599-9999007 (‘HOURS’ ITEM) SWEEPING	49.000 HOUR	_____	_____	_____	_____
0680	2599-9999009 (‘LINEAR FEET’ ITEM) 4 INCH SUBDRAIN STUB	120.000 LF	_____	_____	_____	_____
0690	2599-9999009 (‘LINEAR FEET’ ITEM) WATERMAIN REMOVAL OR ABANDONMENT	1,918.000 LF	_____	_____	_____	_____
0700	2599-9999010 (‘LUMP SUM’ ITEM) GARBAGE SERVICE MAINTENANCE	LUMP SUM	LUMP SUM		_____	_____
0710	2599-9999010 (‘LUMP SUM’ ITEM) TEMPORARY MAIL SERVICE MAINTENANCE	LUMP SUM	LUMP SUM		_____	_____
0720	2599-9999010 (‘LUMP SUM’ ITEM) TEMPORARY WATER	LUMP SUM	LUMP SUM		_____	_____
0730	2599-9999012 (‘THOUSANDS OF GALLONS’ ITEM) DUST CONTROL	500.000 MGAL	_____	_____	_____	_____

Proposal Schedule of Items

Page 8 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0740	2599-9999018 (‘SQUARE YARDS’ ITEM) POLYSTYRENE INSULATION 4 INCH	25.000 SY	_____	_____	_____	_____
0750	2599-9999018 (‘SQUARE YARDS’ ITEM) TEMPORARY GRANULAR SURFACE CASE 1	1,615.000 SY	_____	_____	_____	_____
0760	2599-9999018 (‘SQUARE YARDS’ ITEM) TEMPORARY ROLLED EROSION CONTROL TYPE 1B	9,600.000 SY	_____	_____	_____	_____
0770	2599-9999020 (‘TONS’ ITEM) GRANULAR SUBBASE	5,905.000 TON	_____	_____	_____	_____
0780	2599-9999020 (‘TONS’ ITEM) TEMPORARY GRANULAR SURFACE CASE 2	150.000 TON	_____	_____	_____	_____
0790	2601-2634105 MULCHING, BONDED FIBER MATRIX	2.000 ACRE	_____	_____	_____	_____
0800	2601-2636044 SEEDING AND FERTILIZING (URBAN)	2.000 ACRE	_____	_____	_____	_____
0810	2601-2636070 HYDRAULIC SEEDING	2.000 ACRE	_____	_____	_____	_____
0820	2602-0000150 STABILIZED CONSTRUCTION ENTRANCE, EC-303	160.000 LF	_____	_____	_____	_____
0830	2602-0000530 GRATE INTAKE SEDIMENT FILTER BAG	48.000 EACH	_____	_____	_____	_____
0840	2602-0000540 MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	132.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 9 of 9

Proposal ID: 11-7422-618-A

SECTION: 0001 Roadway Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0850	2602-0000550 REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	48.000 EACH	_____	_____	_____	_____
0860	2602-0010010 MOBILIZATIONS, EROSION CONTROL	10.000 EACH	_____	500.00000	_____	5,000.00
Section: 0001			Total:		_____	_____
			Total Bid:		_____	_____



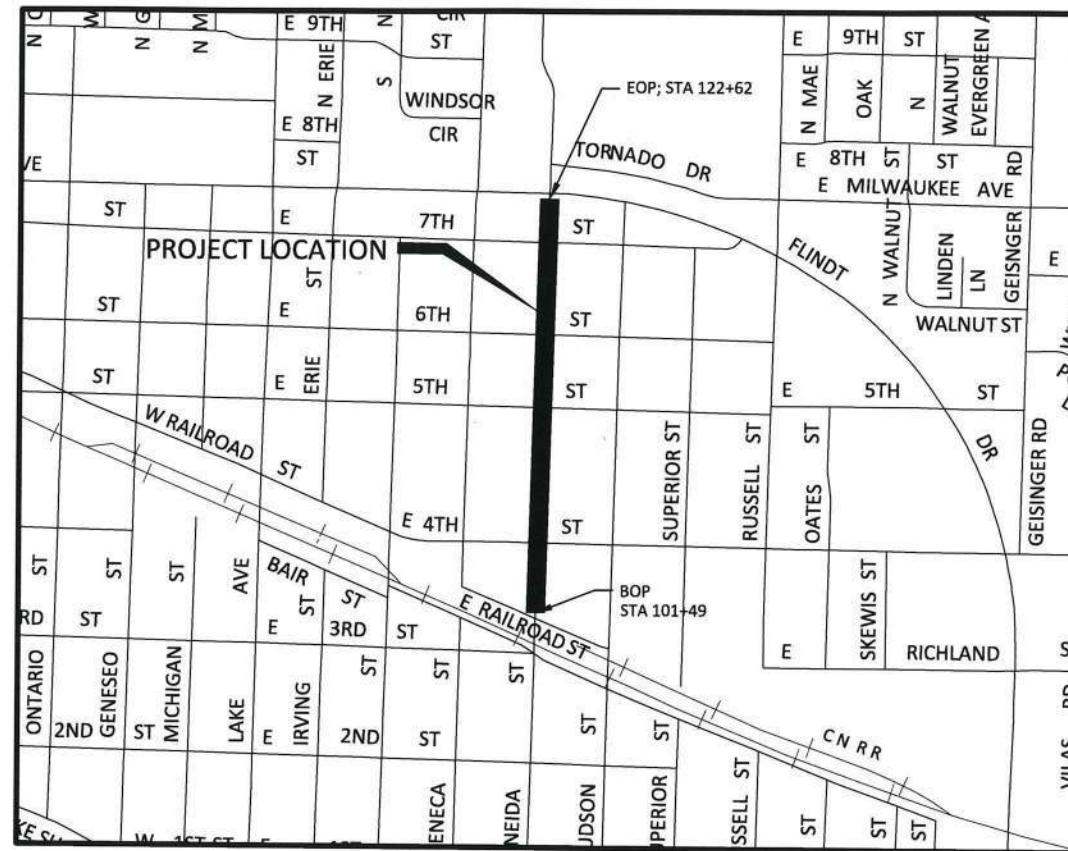
CITY OF STORM LAKE, IA

URBAN ROAD SYSTEM

ON ONEIDA STREET, FROM MILWAUKEE AVENUE SOUTH 0.42 MILES TO EAST RAILROAD STREET

PCC PAVEMENT - REPLACE

INDEX OF TABULATIONS		
Tabulation	Tabulation Title	Sheet No.
C DE 100 1A	ESTIMATED QUANTITIES	C.01
C DE 100 1D	PROJECT DESCRIPTION	C.06
C DE 100 4A	ESTIMATE REFERENCE INFORMATION	C.02 - C.03
C DE 100 24	PCC PAVEMENT	C.06
C DE 100 37	GRATE INTAKE SEDIMENT FILTER BAG	C.07
C DE 104 5A	INTAKES & UTILITY ACCESSSES	C.07
C DE 104 5C	LIST OF SUBDRAIN WORK	C.08
C DE 105 4	STANDARD ROAD PLANS	C.06
C DE 110 1	REMOVAL OF PAVEMENT	C.04
C DE 110 5	SIDEWALK REMOVAL	C.04
C DE 110 8	REMOVAL OF PAVED DRIVES	C.04
C DE 110 12	POLLUTION PREVENTION PLAN	C.10
C DE 110 14	SANITARY, STORM SEWER, AND WATERMAIN ABANDONMENT OR REMOVAL	C.05
C DE 110 15	REMOVAL OF INTAKES & UTILITY ACCESSSES	C.05
C DE 110 17	CLEARING AND GRUBBING	C.05
C DE 113 1A	SIDEWALKS	S.01 - S.07
C DE 190 62	EXISTING SIGNS TO BE REMOVED	C.04
	SIDEWALK AND SHARED USE PATH PAVEMENT	C.10
	WATERMAIN CONSTRUCTION	C.09
	WATER SERVICES	C.09
	PAVED DRIVEWAYS	C.10



MAP OF PORTIONS OF THE
CITY OF STORM LAKE
BUENA VISTA COUNTY, IA
NOT TO SCALE

RESOURCE LIST

CITY OF STORM LAKE

City Hall
620 Erie Street
P.O. Box 1086
Storm Lake, IA 50588

City Manager:
Keri Navratil
Assistant City Manager:
David Derragon

Mayor: Mike Porsch

City Council Members:
Dan Smith
Jose Ibarra
Kevin McKinney
Maria Ramos
Tyson Rice

Infrastructure Engineer:
Josh Pope P.E.
Bolton & Menk, Inc.
218 11th Street SW Plaza
712-580-5075

Public Services Supervisor:
Scott Bonebrake

UTILITIES

GAS
Alliant Energy
Storm Lake, IA 50588
1-800-822-4348

TELEPHONE/CABLE
Long Lines
118 E. 5th St.
Storm Lake, IA 50588
712-213-7425

Mediacom
720 Lake Ave.
Storm Lake, IA 50588
855-633-4226

Century Link
426 Lake Ave.
Storm Lake, IA 50588
1-800-261-1691

LOCAL
City of Storm Lake
433 Vilas Rd.
Storm Lake, IA 50588
712-732-8029

ELECTRIC
Mid American
1016 Vestal Street
Storm Lake, IA 50588
888-427-5632

MILEAGE SUMMARY

		105-1	
		09-27-94	
Div.	Location	Lin. Ft.	Miles
1	URBAN: STA. 101+49 TO STA. 122+62	2113	0.40

04-30-02

101-7

DESIGN DATA ONEIDA STREET

2015 AADT	1940	V.P.D.
2040 AADT	3493	V.P.D.
2040 D.H.V.		V.P.H.
TRUCKS	2	%
TOTAL		
DESIGN ESALS		



218 11TH STREET SW PLAZA
SPENCER, IOWA 51301
Phone: (712) 580-5075
Email: Spencer@bolton-menk.com
www.bolton-menk.com

INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
A.01 - A.02	TITLE SHEET & LEGEND
B.01 - B.04	TYPICAL SECTION / DETAILS
C.01 - C.03	QUANTITIES
C.04 - C.10	TABLES
C.11 - C.13	SWPPP / EROSION CONTROL PLAN
D.01 - D.04	ONEIDA STREET PLAN & PROFILE
G.01 - G.02	EXISTING CONDITIONS
G.03 - G.04	SURVEY CONTROL POINTS
J.01 - J.06	TRAFFIC CONTROL
L.01 - L.05	INTERSECTION DETAILS
M.01 - M.04	STORM SEWER PLAN & PROFILE
MWM.01 - MWM.05	WATER AND SANITARY PLAN & PROFILE
N.01 - N.02	SIGNING PLAN
R.01 - R.02	REMOVALS
S.01 - S.07	SIDEWALK
W.01 - W.09	ONEIDA CROSS SECTIONS

THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE STORM WATER POLLUTION PLAN WHICH IS A PART OF THESE CONTRACT DOCUMENTS. REFER TO SECTION 2602 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.15 of the Specifications.

REVIEWED & APPROVED *Scott S. Bonebrake* DATE: 10/19/2020
Public Services Supervisor

	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.	
	JOSHUA A. POPE, P.E.	
	LIC. NO. 23600	DATE: 10/19/2020
	MY LICENSE RENEWAL DATE IS DECEMBER 31, 2021	
PAGES OR SHEETS COVERED BY THIS SEAL:		
ALL SHEETS		

EXISTING TOPOGRAPHIC SYMBOLS

	ACCESS GRATE		REGULATION STATION GAS
	AIR CONDITION UNIT		SATELLITE DISH
	ANTENNA		SIGN TRAFFIC
	AUTO SPRINKLER CONNECTION		SIGNAL CONTROL CABINET
	BARRICADE PERMANENT		SOIL BORING
	BASKETBALL POST		SIREN
	BENCH		TELEPHONE BOOTH
	BIRD FEEDER		TILE INLET
	BOLLARD		TILE OUTLET
	BUSH		TILE RISER
	CATCH BASIN RECTANGULAR CASTING		TRANSFORMER-ELECTRIC
	CATCH BASIN CIRCULAR CASTING		TREE-CONIFEROUS
	CURB STOP		TREE-DEAD
	CLEAN OUT		TREE-DECIDUOUS
	CULVERT END		TREE STUMP
	DRINKING FOUNTAIN		TRAFFIC ARM BARRIER
	DOWN SPOUT		TRAFFIC SIGNAL
	FILL PIPE		TRASH CAN
	FIRE HYDRANT		UTILITY MARKER
	FLAG POLE		VALVE
	FLARED END / APRON		VALVE POST INDICATOR
	FUEL PUMP		VALVE VAULT
	GRILL		VENT PIPE
	GUY WIRE ANCHOR		WATER SPIGOT
	HANDHOLE		WELL
	HANDICAP SPACE		WETLAND DELINEATED MARKER
	IRRIGATION SPRINKLER HEAD		WETLAND
	IRRIGATION VALVE BOX		WET WELL
	LIFT STATION CONTROL PANEL		YARD HYDRANT

PROPOSED TOPOGRAPHIC SYMBOLS

	CLEANOUT
	MANHOLE
	LIFT STATION
	STORM SEWER CIRCULAR CASTING
	STORM SEWER RECTANGULAR CASTING
	STORM SEWER FLARED END / APRON
	STORM SEWER OUTLET STRUCTURE
	STORM SEWER OVERFLOW STRUCTURE
	CURB BOX
	FIRE HYDRANT
	WATER VALVE
	WATER REDUCER
	WATER TEE
	WATER CROSS
	WATER SLEEVE
	WATER CAP / PLUG
	RIP RAP
	DRAINAGE FLOW
	TRAFFIC SIGNS

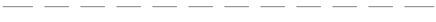
SURVEY SYMBOLS

	BENCH MARK LOCATION
	CONTROL POINT
	MONUMENT IRON FOUND
	CAST IRON MONUMENT

EXISTING TOPOGRAPHIC LINES

	RETAINING WALL
	FENCE
	FENCE-DECORATIVE
	GUARD RAIL
	TREE LINE
	BUSH LINE

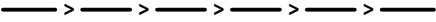
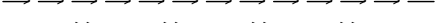
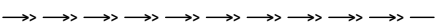
SURVEY LINES

	CONTROLLED ACCESS BOUNDARY
	CENTERLINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY

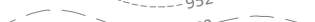
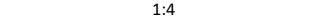
EXISTING UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

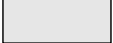
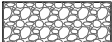
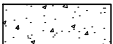
PROPOSED UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

GRADING INFORMATION

	EXISTING CONTOUR MINOR
	EXISTING CONTOUR MAJOR
	PROPOSED CONTOUR MINOR
	PROPOSED CONTOUR MAJOR
	PROPOSED GRADING LIMITS / SLOPE LIMITS
	PROPOSED SPOT ELEVATION
	RISE:RUN (SLOPE)

HATCH PATTERNS

	ASPHALT		GRAVEL
	CONCRETE		LEAN CLAY
	LEAN CLAY WITH SAND		CLAYEY SAND
	FILL		

EXISTING PRIVATE UTILITY LINES

NOTE:
EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL, 1-800-292-8989.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA"

	UNDERGROUND FIBER OPTIC
	UNDERGROUND ELECTRIC
	UNDERGROUND GAS
	UNDERGROUND COMMUNICATION
	OVERHEAD ELECTRIC
	OVERHEAD COMMUNICATION
	OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL :

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
EXAMPLE:  G-A  G-A UNDERGROUND GAS, QUALITY LEVEL A
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.

QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHOLING UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RT	RIGHT
ADJ	ADJUST	GU	GUTTER	SAN	SANITARY SEWER
ALT	ALTERNATE	GV	GATE VALVE	SCH	SCHEDULE
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SERV	SERVICE
BIT	BITUMINOUS	HH	HANDHOLE	SHLD	SHOULDER
BLDG	BUILDING	HP	HIGH POINT	STA	STATION
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STD	STANDARD
BR	BEGIN RADIUS	HYD	HYDRANT	STM	STORM SEWER
BV	BUTTERFLY VALVE	I	INVERT	TC	TOP OF CURB
CB	CATCH BASIN	K	CURVE COEFFICIENT	TE	TEMPORARY EASEMENT
C&G	CURB AND GUTTER	L	LENGTH	TEMP	TEMPORARY
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TNH	TOP NUT HYDRANT
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TP	TOP OF PIPE
CL	CENTER LINE	LT	LEFT	TYP	TYPICAL
CL	CLASS	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
CLVT	CULVERT	MIN	MINIMUM	VERT	VERTICAL
CMP	CORRUGATED METAL PIPE	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
C.O.	CHANGE ORDER	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
COMM	COMMUNICATION	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CON	CONCRETE	NTS	NOT TO SCALE	WM	WATERMAIN
CSP	CORRUGATED STEEL PIPE	NWL	NORMAL WATER LEVEL		
DIA	DIAMETER	OHW	ORDINARY HIGH WATER LEVEL		
DIP	DUCTILE IRON PIPE	PC	POINT OF CURVE	AC	ACRES
DWY	DRIVEWAY	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET
E	EXTERNAL CURVE DISTANCE	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME
ELEC	ELECTRIC	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD
ELEV	ELEVATION	PERF	PERFORATED PIPE	EA	EACH
EOF	EMERGENCY OVERFLOW	PERM	PERMANENT	EV	EXCAVATED VOLUME
ER	END RADIUS	PI	POINT OF INTERSECTION	LB	POUND
ESMT	EASEMENT	PL	PROPERTY LINE	LF	LINEAR FEET
EX	EXISTING	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM
FES	FLARED END SECTION	PT	POINT OF TANGENT	LV	LOOSE VOLUME
F-F	FACE TO FACE	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET
FF	FINISHED FLOOR	PVMT	PAVEMENT	SV	STOCKPILE VOLUME
F&I	FURNISH AND INSTALL	R	RADIUS	SY	SQUARE YARD
FM	FORCEMAIN	R/W	RIGHT-OF-WAY		
FO	FIBER OPTIC	RCP	REINFORCED CONCRETE PIPE		
F.O.	FIELD ORDER	RET	RETAINING		
GRAN	GRANULAR	RSC	RIGID STEEL CONDUIT		

GENERAL NOTES:

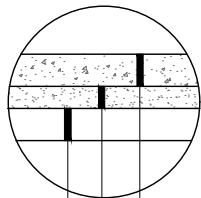
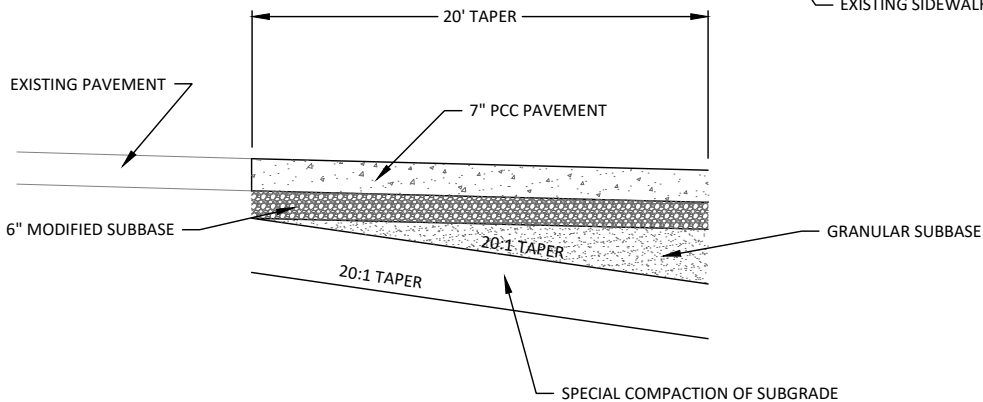
PAVEMENT SLOPES AT INTERSECTIONS LOCATIONS VARY FROM THOSE SHOWN ON THE TYPICAL SECTION

ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS

GRADE ALL TOPSOIL MATERIAL TO 1" DEPTH BELOW CONCRETE SURFACES PRIOR TO PLACING SOD

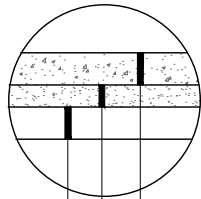
CONSTRUCTION NOTES:

- ① GRADING ABOVE THIS LINE IS INCLUDED IN EXCAVATION, CLASS 13. GRADING BELOW THIS LINE IS CONSIDERED SUBGRADE EXCAVATION, SEE ESTIMATE REFERENCE NOTES.



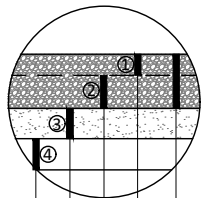
- 5" PCC (6" AT DRIVEWAYS AND PED RAMPS)
3" MODIFIED SUBBASE
6" SPECIAL COMPACTION OF SUBGRADE

5" AND 6" CONCRETE SIDEWALK
NOT TO SCALE



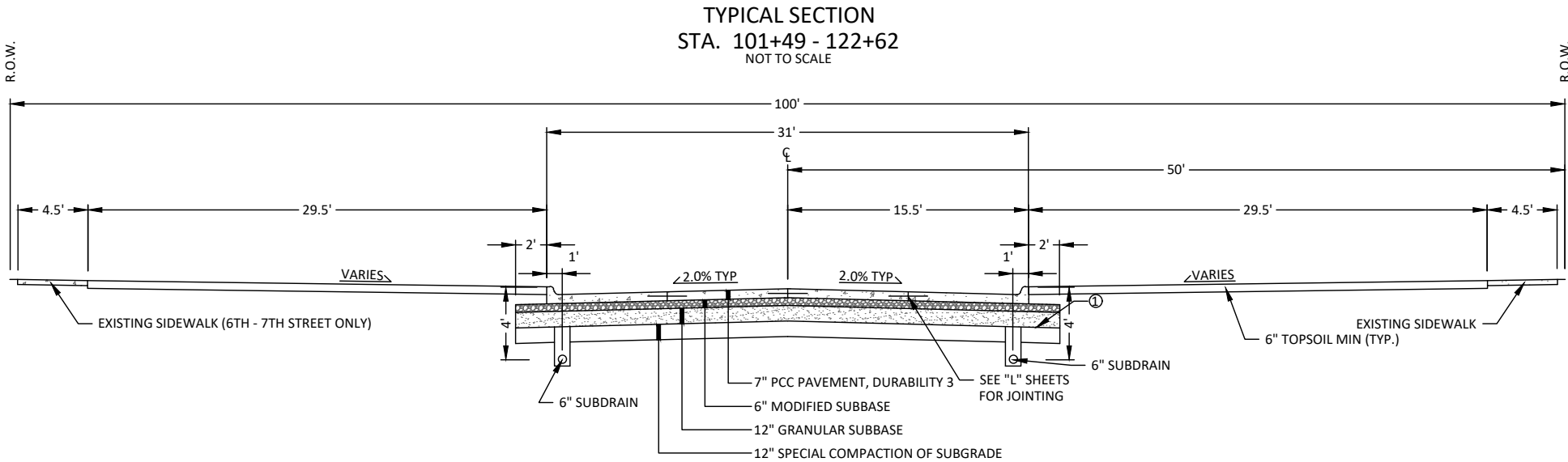
- 6" PCC
3" MODIFIED SUBBASE
6" SPECIAL COMPACTION OF SUBGRADE

CONCRETE DRIVEWAY & PARKING LOT
NOT TO SCALE



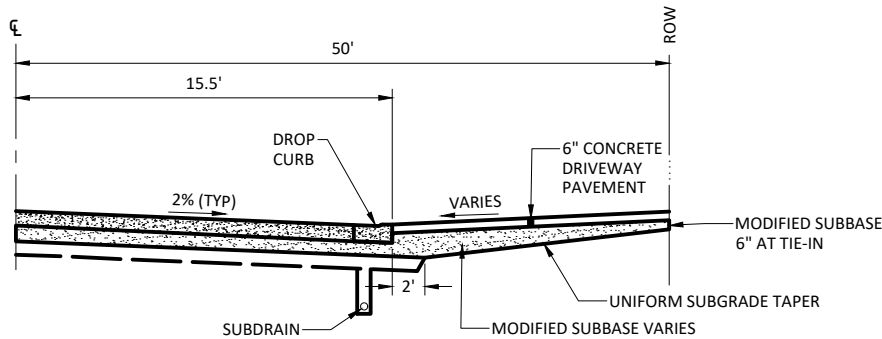
- 10" SUBBASE
4" SUBBASE PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
6" SUBBASE PAID AS SUBBASE, MODIFIED, 6"
12" GRANULAR SUBBASE
12" COMPACTED SUBBASE
- IF ITEM 4 IS INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 10" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
 - IF ITEMS 3 AND 4 ARE INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 10" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2
 - IF ITEMS 2, 3, AND 4 ARE INSTALLED AND APPROVED BY THE ENGINEER, LAYER 1 SHALL BE INSTALLED AT 4" AND PAID AS TEMPORARY GRANULAR SURFACE, CASE 2

TEMPORARY GRANULAR SURFACE, CASE 2
NOT TO SCALE

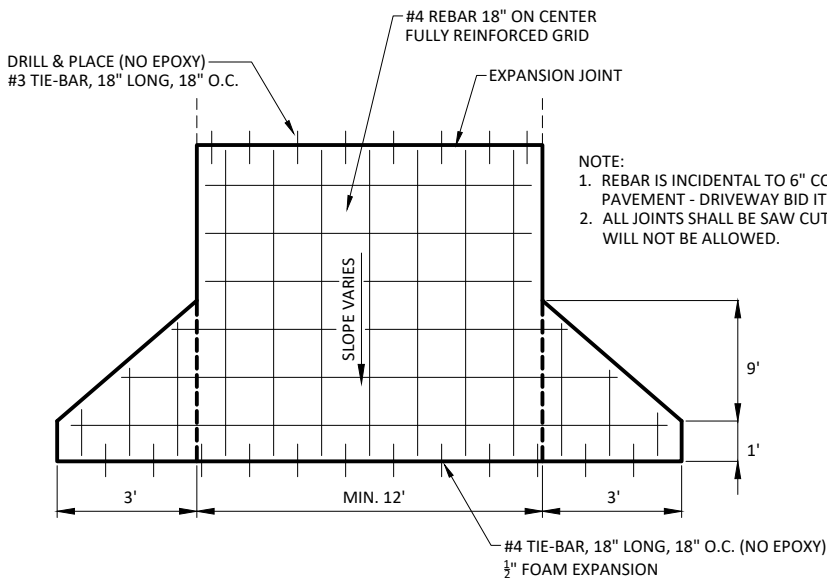


TYPICAL SECTION
STA. 101+49 - 122+62
NOT TO SCALE

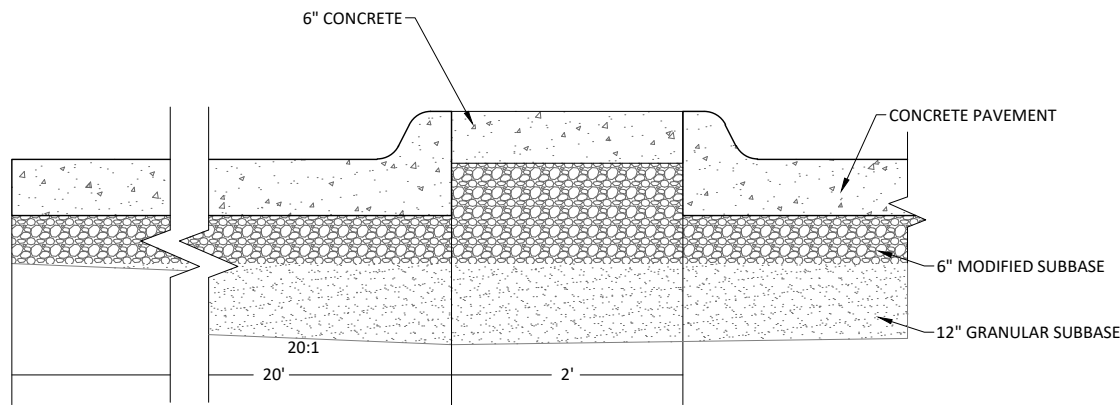
- NOTES:
1. SEE W SHEETS FOR VARIATIONS TO STANDARD CROSS SLOPE



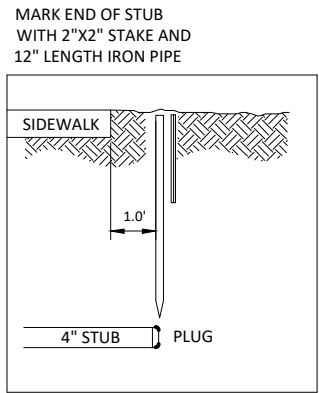
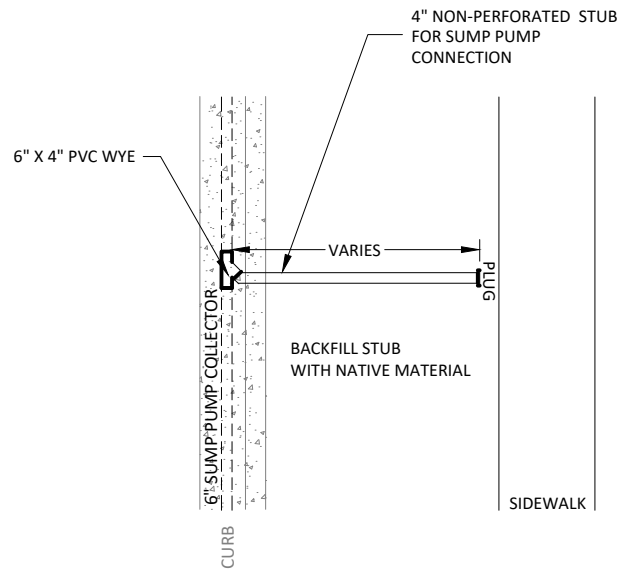
CONCRETE DRIVEWAY SECTION



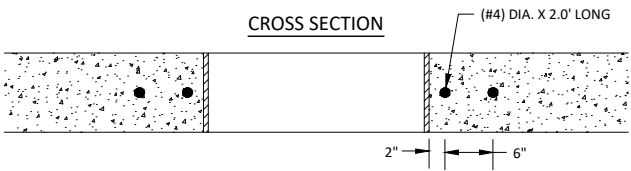
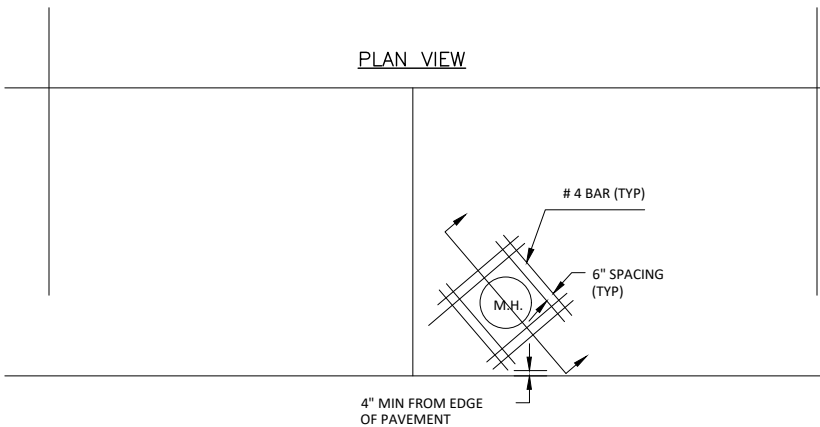
CONCRETE DRIVEWAY DETAIL
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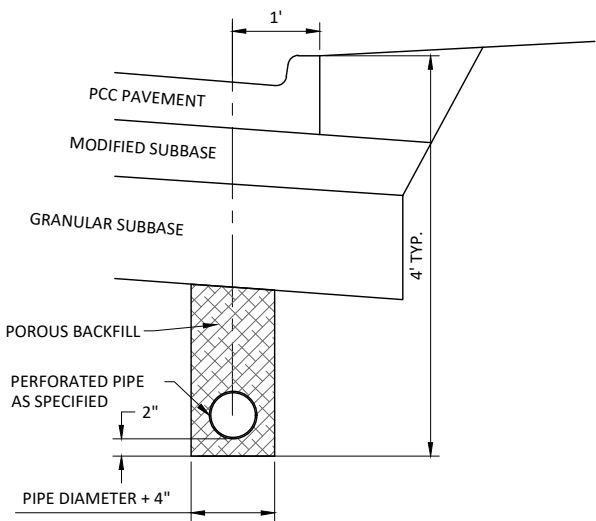
PARKING LOT CURB
NOT TO SCALE



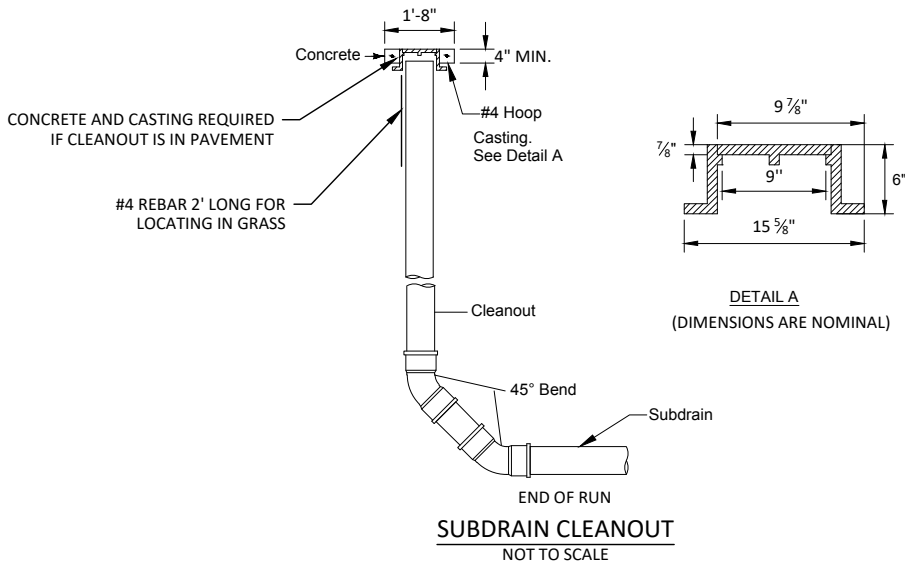
SUMP PUMP COLLECTION
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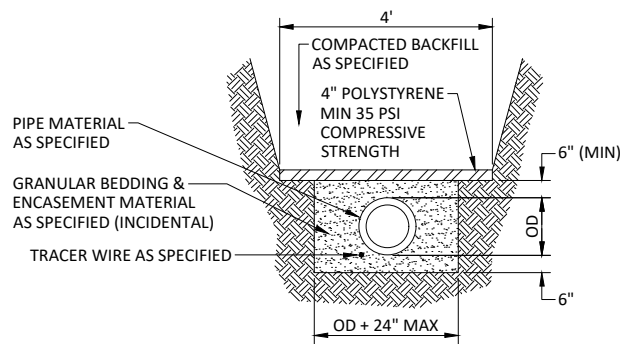
**MANHOLE WITHOUT
JOINT INTERSECTION**
NOT TO SCALE



**SUBSURFACE ROADWAY EDGE DRAIN
TYPE 7A INSTALLATION**
NOT TO SCALE

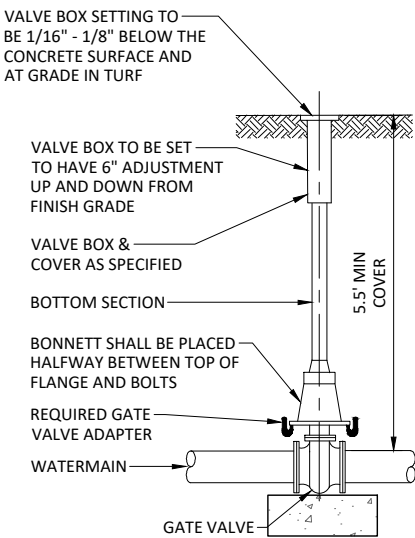


SUBDRAIN CLEANOUT
NOT TO SCALE

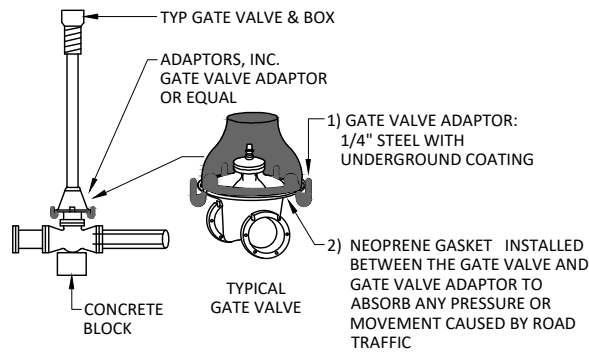


WATERMAIN INSULATION
NOT TO SCALE

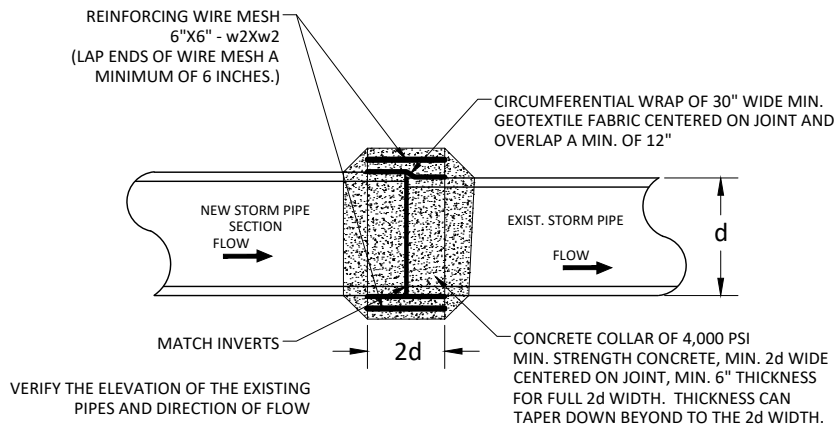
- NOTES:
1. VALVE BOX SHALL BE CENTERED ON OPERATING NUTS, STRAIGHT, FREE FROM DEBRIS, AND ALL SECTIONS UNBROKEN
 2. DEEP VALVES SHALL HAVE NUT EXTENSIONS INSTALLED TO ELEVATION TO ACCOMMODATE STANDARD 10' KEY; BOTTOM NUT SHALL BE BOLTED TO VALVE NUT AND ONLY ONE SECTION
 3. COMPACTION WITH MECHANICAL TAMPER AROUND VALVE BOX SHALL BE PLACED AND COMPACTED WITH 1' MAXIMUM LIFTS TO ACHIEVE COMPACTION



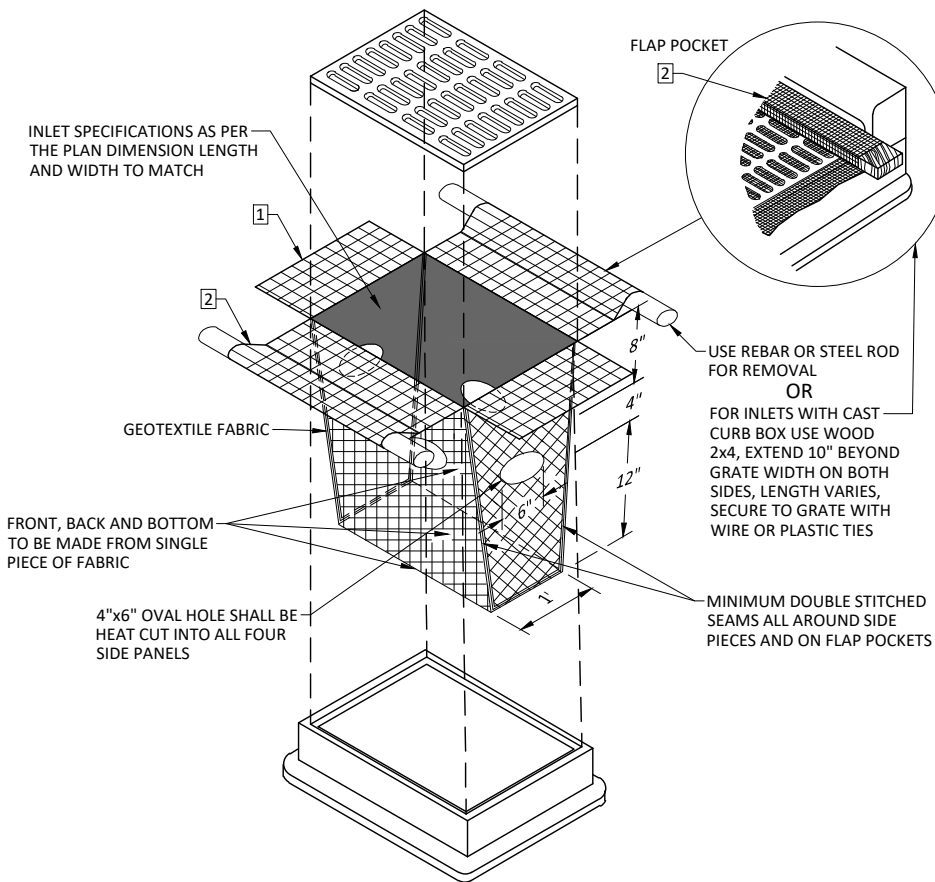
GATE VALVE BOX INSTALLATION
NOT TO SCALE



GATE VALVE ADAPTOR
NOT TO SCALE



STORM PIPE CONNECTION
NOT TO SCALE



INLET PROTECTION DEVICE - DROP IN
NOT TO SCALE

- NOTES:
1. INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL IN THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
 2. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.
- FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- INSTALLATION NOTES:
DO NOT INSTALL PROTECTION IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
- TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
- THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

ESTIMATED PROJECT QUANTITIES						
ITEM NO.	ITEM CODE	ITEM	UNIT	PARTICIPATING	NON-PARTICIPATING	TOTAL
1	2101-0850002	CLEARING AND GRUBBING	UNIT	160.0	-	160
2	2102-2713070	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	6483.0	-	6483
3	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	1236.0	-	1236
4	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	21.0	-	21
5	2115-0100000	MODIFIED SUBBASE	CY	1843.0	-	1843
6	2123-7450020	SHOULDER FINISHING, EARTH	STA	30.0	-	30
7	2213-7100400	RELOCATION OF MAIL BOXES	EACH	1.0	-	1
8	2301-1013070	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"	SY	8481.0	-	8481
9	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	21.0	-	21
10	2435-0130148	MANHOLE, SANITARY SEWER, SW-301, 48"	EACH	-	1.0	1
11	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48"	EACH	1.0	-	1
12	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60"	EACH	3.0	-	3
13	2435-0140172	MANHOLE, STORM SEWER, SW-401, 72"	EACH	1.0	-	1
14	2435-0140184	MANHOLE, STORM SEWER, SW-401, 84"	EACH	1.0	-	1
15	2435-0140210	MANHOLE, STORM SEWER, SW-402 MODIFIED	EACH	1.0	-	1
16	2435-0250100	INTAKE, SW-501	EACH	10.0	-	10
17	2435-0250248	INTAKE, SW-502, 48"	EACH	3.0	-	3
18	2435-0250260	INTAKE, SW-502, 60"	EACH	3.0	-	3
19	2435-0250500	INTAKE, SW-505	EACH	4.0	-	4
20	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"	LF	3984.0	-	3984
21	2502-8221006	SUBDRAIN RISER, 6", AS PER PLAN	EACH	21.0	-	21
22	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	37.0	-	37
23	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"	LF	16.0	-	16
24	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"	LF	22.0	-	22
25	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"	LF	50.0	-	50
26	2503-0114612	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"	LF	8.0	-	8
27	2503-0114615	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"	LF	943.0	-	943
28	2503-0114618	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"	LF	83.0	-	83
29	2503-0116324	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN	LF	753.0	-	753
30	2503-0116330	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN	LF	359.0	-	359
31	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	2155.0	-	2155
32	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"	LF	-	66.0	66
33	2504-0200404	SANITARY SEWER SERVICE STUB, PVC, 4"	LF	-	57.0	57
34	2504-0200406	SANITARY SEWER SERVICE STUB, PVC, 6"	LF	-	46.0	46
35	2504-0240036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	-	66.0	66
36	2510-6745850	REMOVAL OF PAVEMENT	SY	9393.0	-	9393
37	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	19.0	-	19
38	2511-6745900	REMOVAL OF SIDEWALK	SY	429.0	-	429
39	2511-7526005	SIDEWALK, PCC, 5"	SY	117.0	-	117
40	2511-7526006	SIDEWALK, PCC, 6"	SY	298.0	-	298
41	2511-7528101	DETECTABLE WARNING	SF	216.0	-	216
42	2515-2475006	DRIVEWAY, PCC, 6"	SY	2925.0	-	2925

ESTIMATED PROJECT QUANTITIES						
ITEM NO.	ITEM CODE	ITEM	UNIT	PARTICIPATING	NON-PARTICIPATING	TOTAL
43	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	2255.0	-	2255
44	2518-6910000	SAFETY CLOSURE	EACH	14.0	-	14
45	2524-6765010	REMOVE AND REINSTALL SIGN	EACH	17.0	-	17
46	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT	STA	5.57	-	5.57
47	2527-9263137	PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT	EACH	2.0	-	2
48	2528-8445110	TRAFFIC CONTROL	LS	0.8	0.2	1
49	2533-4980005	MOBILIZATION	LS	0.8	0.2	1
50	2552-0000210	TRENCH FOUNDATION	TON	50.0	150.0	200
51	2554-0114006	WATER MAIN, TRENCHED, PVC, 6"	LF	-	2066.0	2066
52	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB	-	745.0	745
53	2554-0205000	WATER SERVICE STUB, POLYETHYLENE, 1"	LF	-	199.0	199
54	2554-0205600	WATER SERVICE CURB STOP & BOX	EACH	-	12.0	12
55	2554-0207004	VALVE, GATE, DIP, 4"	EACH	-	4.0	4
56	2554-0207006	VALVE, GATE, DIP, 6"	EACH	-	12.0	12
57	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	-	5.0	5
58	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.0	-	1
59	2599-9999005	CONNECT TO EXISTING SANITARY SEWER	EACH	-	4.0	4
60	2599-9999005	CONNECT TO EXISTING STORM SEWER	EACH	1.0	-	1
61	2599-9999005	CONNECT TO EXISTING WATER MAIN	EACH	-	9.0	9
62	2599-9999005	SALVAGE FIRE HYDRANT	EACH	-	4.0	4
63	2599-9999005	SANITARY SEWER SERVICE REPAIR	EACH	-	5.0	5
64	2599-9999005	TILE REPAIR	EACH	5.0	-	5
65	2599-9999005	YARD HYDRANT	EACH	-	1.0	1
66	2599-9999007	EXPLORATORY EXCAVATION	HOURL	16.0	3.0	19
67	2599-9999007	SWEEPING	HOURL	49.0	-	49
68	2599-9999009	4" SUBDRAIN STUB	LF	120.0	-	120
69	2599-9999009	WATERMAIN REMOVAL OR ABANDONMENT	LF	-	1918.0	1918
70	2599-9999010	GARBAGE SERVICE MAINTENANCE	LS	1.0	-	1
71	2599-9999010	TEMPORARY MAIL SERVICE MAINTENANCE	LS	1.0	-	1
72	2599-9999010	TEMPORARY WATER	LS	-	1.0	1
73	2599-9999012	DUST CONTROL	MGAL	500.0	-	500
74	2599-9999018	POLYSTYRENE INSULATION, 4"	SY	-	25.0	25
75	2599-9999018	TEMPORARY GRANULAR SURFACE CASE 1	SY	1615.0	-	1615
76	2599-9999018	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B	SY	9600.0	-	9600
77	2599-9999020	GRANULAR SUBBASE	TON	5905.0	-	5905
78	2599-9999020	TEMPORARY GRANULAR SURFACE CASE 2	TON	150.0	-	150
79	2601-2634105	MULCH, BONDED FIBER MATRIX	ACRE	2.0	-	2
80	2601-2636044	SEED AND FERTILIZE (URBAN)	ACRE	2.0	-	2
81	2601-2636070	HYDRAULIC SEEDING	ACRE	2.0	-	2
82	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	160.0	-	160
83	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48
84	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	132.0	-	132
85	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48
86	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	10.0	-	10

CONSTRUCTION SURVEY TO BE PERFORMED
BY THE CONTRACTING AUTHORITY.

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ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
1	2101-0850002	<u>CLEARING AND GRUBBING</u> CLEARING HAS BEEN COMPLETED PRIOR TO THIS PROJECT. ALL STUMPS WILL BE LEFT ABOVE GROUND LEVEL FOR GRUBBING. CONTRACTOR SHALL PRESERVE ALL TREES NOT MARKED FOR REMOVAL. ALL MATERIALS TO BE REMOVED FROM SITE. STUMP GRINDING MAY BE REQUIRED TO GRUB STUMPS NEAR EXISTING UTILITIES. SEE TABULATION ON SHEET C.05.
2	2102-2713070	<u>EXCAVATION, CLASS 13, ROADWAY AND BORROW</u> ALL EXCESS MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND HAULED OFFSITE. CUT OF 9483 CY AND A FILL OF 120 CY WITH A 1.3% FILL FACTOR, ASSUMED HAUL OFF OF 6363 CY.
3	2105-8425005	<u>TOPSOIL, FURNISH AND SPREAD</u> SPREAD TOPSOIL TO A MINIMUM OF 6" WHEREEVER SEEDING IS TO BE PLACED ACCORDING TO THE PLAN.
4	2109-8225100	<u>SPECIAL COMPACTION OF SUBGRADE</u> CONTRACTOR SHALL PERFORM TO A DEPTH OF 12" FOR THE ROADWAY AND 6" DEPTH FOR THE DRIVEWAYS.
5	2115-0100000	<u>MODIFIED SUBBASE</u> SEE TABULATIONS ON SHEETS C.06 AND C.10.
6	2123-7450020	<u>SHOULDER FINISHING, EARTH</u> EARTH SHOULDERING IS LIMITED TO BACK OF CURB TO 2' BEYOND BACK OF CURB. TOPSOIL DEPTH SHALL BE 6" MINIMUM.
7	2213-7100400	<u>RELOCATION OF MAIL BOXES</u> CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING MAILBOX AND REINSTALL EXISTING MAILBOX UPON PROJECT COMPLETION. REINSTALLED MAILBOX TO BE LOCATED AT EXISTING HORIZONTAL LOCATION AND IN CONFORMANCE WITH THE USPS STANDARDS. ITEM WILL BE PAID 0.5 OF THE TOTAL ITEM COST UPON INSTALLATION OF THE TEMPORARY MAILBOX AND THE TOTAL BID PRICE UPON REINSTALLATION OF THE EXISTING MAILBOX AND REMOVAL OF THE TEMPORARY MAILBOX.
8	2301-1013070	<u>STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"</u> PAVEMENT SMOOTHNESS INCENTIVES AND DISINCENTIVES SHALL NOT APPLY, TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. CERTIFIED PLANT INSPECTION WILL BE REQUIRED DURING ALL PAVING OPERATIONS. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. SEE TABULATION ON SHEET C.06.
9	2315-8275025	<u>SURFACING, DRIVEWAY, CLASS A CRUSHED STONE</u> ITEM SHALL BE USED TO BRING EXISTING GRAVEL DRIVEWAYS UP TO THE NEW PCC PAVEMENT. ASSUMED 3 TONS GRAVEL PER DRIVEWAY. TABULATION ON SHEET C.04.
10	2435-0130148	<u>MANHOLE, SANITARY SEWER, SW-301, 48"</u> MANHOLE SHALL INCLUDE INTEGRAL BASE SECTION. IN LIEU OF JOINT SEALANT, ALL JOINTS SHALL BE RUBBER GASKETED TONGUE AND GROOVE. ALL PIPE OPENINGS SHALL HAVE INTEGRAL CAST WATER TIGHT SEAL. EXTERIOR CHIMNEY SEAL SHALL BE FURNISHED AND INSTALLED AS PART OF THIS PAY ITEM. SEAL SHALL EXTEND FROM THE MANHOLE FRAME CASTING TO THE PRECAST MANHOLE CONE SECTION. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C.07 FOR CASTING INFORMATION.
11	2435-0140148	<u>MANHOLE, STORM SEWER, SW-401, 48"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
12	2435-0140160	<u>MANHOLE, STORM SEWER, SW-401, 60"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
13	2435-0140172	<u>MANHOLE, STORM SEWER, SW-401, 72"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
14	2435-0140184	<u>MANHOLE, STORM SEWER, SW-401, 84"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
15	2435-0140210	<u>MANHOLE, STORM SEWER, SW-402 MODIFIED</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
16	2435-0250100	<u>INTAKE, SW-501</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
17	2435-0250248	<u>INTAKE, SW-502, 48"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
18	2435-0250260	<u>INTAKE, SW-502, 60"</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
19	2435-0250500	<u>INTAKE, SW-505</u> ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION FOR CASTING INFORMATION. SEE TABULATION ON SHEET C.07.
20	2502-8212036	<u>SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"</u> PIPE MATERIAL SHALL BE 6" PERFORATED HDPE, SDR 35 PVC, OR SCHEDULE 40 PVC. POROUS BACKFILL SHALL MEET IOWA DOT GRADATION NUMBER 5. ANY CAPS CALLED OUT SHALL BE GLUE ON TYPE AND BE CONSIDERED INCIDENTAL TO THIS ITEM. SEE TABULATION ON SHEET C.08.
21	2502-8221006	<u>SUBDRAIN RISER, 6", AS PER PLAN</u> ALL MATERIALS INCLUDED WITH THE DETAIL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. INCLUDES ALL NECESSARY POROUS BACKFILL THAT SHALL MEET IOWA DOT GRADATION NUMBER 5. ITEM SHALL BE PAID BY EACH AND UPON COMPLETION OF ALL ITEMS DESCRIBED IN THE DETAIL. SEE TABULATION ON SHEET C.08.
22	2502-8221303	<u>SUBDRAIN OUTLET, DR-303</u> PIPE MATERIAL SHALL BE 6" SOLID WALL PVC. SEE TABULATION ON SHEET C.08.
23	2503-0114224	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
24	2503-0114230	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
25	2503-0114236	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
26	2503-0114612	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
27	2503-0114615	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
28	2503-0114618	<u>STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
29	2503-0116324	<u>STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
30	2503-0116330	<u>STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN</u> JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-361 & C-443 AND BE RUBBER O-RING. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. SEE TABULATION ON SHEET C.07.
31	2503-0200036	<u>REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"</u> ANY PIPES TO REMAIN IN PLACE AT THE EXTENTS OF THE PROJECT AND NOT CONNECTED TO THE STORM SEWER SYSTEM SHALL HAVE A CONCRETE PLUG. SEE TABULATION ON SHEET C.05.
32	2504-0114008	<u>SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
33	2504-0200404	<u>SANITARY SEWER SERVICE STUB, PVC, 4"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
34	2504-0200406	<u>SANITARY SEWER SERVICE STUB, PVC, 6"</u> CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-103, CLASS F-3. BEDDING MATERIAL TO BE CLASS I OR CLASS II OR AS SPECIFICALLY IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SEE TABULATION ON SHEET C.07.
35	2504-0240036	<u>REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"</u> SEE TABULATION ON SHEET C.05.
36	2510-6745850	<u>REMOVAL OF PAVEMENT</u> EXISTING PAVEMENT CONSISTS OF APPROXIMATELY 6" PCC PAVEMENT WITH A 2" ACC OVERLAY. SEE TABULATION ON SHEET C.04.
37	2510-6750600	<u>REMOVAL OF INTAKE AND UTILITY ACCESS</u> ITEM SHALL BE FOR THE REMOVAL OF THE ENTIRE STRUCTURE INCLUDING THE BASE. SEE TABULATION ON SHEET C.05.
38	2511-6745900	<u>REMOVAL OF SIDEWALK</u> SEE TABULATION ON SHEET C.04.
39	2511-7526005	<u>SIDEWALK, PCC, 5"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE SHEET C.10 FOR TABULATION
40	2511-7526006	<u>SIDEWALK, PCC, 6"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE SHEET C.10 FOR TABULATION
41	2511-7528101	<u>DETECTABLE WARNING</u> DETECTABLE WARNINGS SHALL BE CAST IRON. SEE SHEET C.10 FOR TABULATION
42	2515-2475006	<u>DRIVEWAY, PCC, 6"</u> CERTIFIED PLANT INSPECTION WILL BE REQUIRED. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. M MIX CONCRETE SHALL BE ALLOWED AS A SUBSTITUTION FOR CLASS C CONCRETE AT NO ADDITIONAL COST TO THE OWNER. TESTING OF SMOOTHNESS SHALL BE COMPLETED AS FOLLOWS: THE ENGINEER WILL CHECK PCC PAVEMENT SURFACES WITH A 10 FOOT STRAIGHTEDGE PLACED PARALLEL TO THE CENTERLINE. AREAS SHOWING HIGH SPOTS OF MORE THAN 1/4 OF AN INCH IN 10 FEET WILL BE MARKED. COMPLETE SURFACE CORRECTIONS ACCORDING TO THE PROCEDURES IN IOWA DOT SECTION 2316 TO AN ELEVATION WHERE THE AREA OR SPOT WILL NOT SHOW SURFACE DEVIATIONS IN EXCESS OF 1/8 INCH WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE. SURFACE CORRECTIONS WILL BE COMPLETED AT THE DIRECTION OF THE ENGINEER WITH NO ADDITIONAL COST TO THE CONTRACTING AUTHORITY. SEE TABULATION ON SHEET C.10.
43	2515-6745600	<u>REMOVAL OF PAVED DRIVEWAY</u>
44	2518-6910000	<u>SAFETY CLOSURE</u> SEE "J" SHEETS FOR LOCATIONS. SEE TABULATION ON SHEET C.04.
45	2524-6765010	<u>REMOVE AND REINSTALL SIGN</u> CONTRACTOR SHALL REMOVE, SALVAGE, AND REINSTALL EXISTING SIGNS. SIGNS AND MATERIALS SHALL BE DELIVERED, STORED, AND RETRIEVED FROM THE CITY OF STORM LAKE STREET DEPARTMENT LOCATED AT 433 VILAS ROAD, STORM LAKE. DELIVERY AND STOCKPILING OF SIGNS TO BE MEASURED AND PAID PER ITEM 60. MEASUREMENT WILL BE MADE FORE EACH SIGN SALVAGED AND REINSTALLED. PAYMENT WILL BE MADE UPON REINSTALLATION. SEE TABULATION ON SHEET C.04.
46	2527-9263109	<u>PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT</u> MARKINGS SHALL BE YELLOW IN COLOR AND 4" WIDE. SEE "N" SHEETS FOR LOCATIONS.
47	2527-9263137	<u>PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT</u> SYMBOLS SHALL BE YELLOW IN COLOR WITH THE DIMENSIONS OF IOWA DOT PM-111 STEW. SEE "N" SHEETS FOR LOCATIONS.
48	2528-8445110	<u>TRAFFIC CONTROL</u> 4TH STREET OR 5TH STREET SHALL REMAIN OPEN AT ALL TIMES. CONTRACTOR SHALL CONSTRUCT TEMPORARY SURFACING, SIGN ACCORDINGLY, AND OPEN THE INTERSECTION TO TRAFFIC PRIOR TO CLOSING THE OTHER INTERSECTION. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC), CHAPTER 130. ANY TRAFFIC CONTROL SIGN TO REMAIN IN PLACE LONGER THAN 3 CALENDAR DAYS SHALL BE POST MOUNTED WITH AN IOWA DOT APPROVED SIGN POST. NO CONSTRUCTION ACTIVITY CAN ENCROACH WITHIN 25' OF THE EDGE OF A TRAIN TRACK. ADDITIONAL TYPE 3 AND 42" CHANNELIZERS SHALL BE ON HAND TO BE PLACED AT THE DIRECTION OF THE ENGINEER. ADDITIONAL R11-4 SIGNS SHALL BE AVAILABLE TO FACILITATE WINTER SHUTDOWN AND PLACED AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING, MAINTAINING, AND REMOVING THE DETOUR AS MARKED OUT IN THIS PLAN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
49	2533-4980005	<u>MOBILIZATION</u>

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ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
50	2552-0000210	<u>TRENCH FOUNDATION</u> ENGINEER SHALL APPROVE ALL TRENCH FOUNDATION LOCATIONS PRIOR TO CONTRACTOR PERFORMING THIS WORK. SEE TABULATION ON SHEET C.09.
51	2554-0114006	<u>WATER MAIN, TRENCHED, PVC, 6"</u> PIPE SHALL BE C900. PIPE BEDDING CLASS SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-101. CLASS P-3 BEDDING MATERIAL SHALL BE CLASS I OR CLASS II. OWNER WILL PROVIDE WATER FOR INITIAL FILL AND FLUSHING. TESTING AND DISINFECTION TO BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH AWWA C651. TRACER WIRE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. TRACER WIRE SHALL BE #14 COPPER CLAD STEEL WIRE OR #12 AWG SOLID COPPER WITH 30-MIL HDPE INSULATING JACKET TAPED TO THE MAIN EVERY 20 FEET. TRACER WIRE GROUND RODS SHALL CONSIST OF A ONE 1 LB MAGNESIUM ALLOY ANODE ROD WITH MINIMUM DIMENSIONS OF 1.3" IN DIAMETER AND 18" IN LENGTH. THE ANODE ROD SHALL COME PREASSEMBLED WITH A PE CAP AND 10 FT OF TRACER WIRE ATTACHED. TRACER WIRE STATIONS SHALL BE TWO TERMINAL BOXES AS MFG. BY COPPERHEAD INDUSTRIES, VALVCO, OR APPROVED EQUAL. CONTRACTOR WILL BE CHARGED FOR WATER FLUSHING AFTER THE FIRST FAILED TEST. OWNER WILL TEST THE TRACER WIRE SYSTEM PRIOR TO FINAL ACCEPTANCE. . SEE TABULATION ON SHEET C.09.
52	2554-0203000	<u>FITTINGS BY WEIGHT, DUCTILE IRON</u> ALL FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT, RESTRAINED JOINT WITH MEGALUG OR APPROVED EQUAL. NUTS AND BOLTS TO BE FLUOROCARBON COATED WITH 1-2.5 MIL THICKNESS. WEIGHTS ARE PER AWWA C-153. POLYETHYLENE WRAP AND BEDDING MATERIAL IS CONSIDERED INCIDENTAL TO THIS ITEM. ALL JOINTS TO HAVE A MINIMUM OF (2) 6 OZ. SACRIFICIAL ZINC ANODE CAPS PER GLAND INSTALLED. ANY NECESSARY THRUST BLOCKS SHALL BE INCIDENTAL TO THIS ITEM. SEE TABULATION ON SHEET C.09.
53	2554-0205000	<u>WATER SERVICE STUB, POLYETHYLENE, 1"</u> PIPE MATERIAL SHALL BE SDR 9 POLYETHYLENE (CTS) IN ACCORDANCE WITH AWWA C901. SEE TABULATION ON SHEET C.09. REMOVAL OF EXISTING SERVICE LINE AND CURB STOP SHALL BE INCIDENTAL TO THIS ITEM.
54	2554-0205600	<u>WATER SERVICE CURB STOP & BOX</u> CORPORATION STOP SHALL BE INCLUDED WITH THIS ITEM. TAPPING SADDLE SHALL BE DUCTILE IRON BODY WITH 304L STAINLESS STEEL STRAPS AND 4 STAINLESS STEEL BOLTS. CURB STOP AND CORPORATION STOP SHALL BE BALL VALVE STYLE WITH CTS COMPRESSION FITTINGS, AS MFG. BY A.Y. McDONALD, FORD METER COMPANY, OR APPROVED EQUAL. CURB BOX SHALL BE MINNEAPOLIS PATTERN WITH 1-1/4" UPPER SECTION AND LID WITH PENTAGON PLUG AS MFG. BY A.Y. McDONALD, FORD METER COMPANY OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
55	2554-0207004	<u>VALVE, GATE, DIP, 4"</u> VALVES SHALL BE RESILIENT WEDGE, NON-RISING STEM, IRON BODY, 2" SQUARE OPENING NUT, OPEN LEFT, MECHANICAL JOINTS AND 200 PSI WORKING PRESSURE. VALVE BOXES SHALL BE HEAVY DUTY (THICK CAST) MARKED "WATER" ON VALVE BOX COVER. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
56	2554-0207006	<u>VALVE, GATE, DIP, 6"</u> VALVES SHALL BE RESILIENT WEDGE, NON-RISING STEM, IRON BODY, 2" SQUARE OPENING NUT, OPEN LEFT, MECHANICAL JOINTS AND 200 PSI WORKING PRESSURE. VALVE BOXES SHALL BE HEAVY DUTY (THICK CAST) MARKED "WATER" ON VALVE BOX COVER. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09.
57	2554-0210201	<u>FIRE HYDRANT ASSEMBLY, WM-201</u> ALL FITTINGS, JOINTS, GATE VALVES, AND 6" PVC PIPE NECESSARY TO INSTALL HYDRANT SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. HYDRANTS SHALL BE MUELLER SUPER CENTURIUM 250 3-WAY HYDRANTS MODEL A-423. VALVES SHALL BE MUELLER RESILIENT WEDGE GATE VALVES WITH STAINLESS STEEL BOLTS, OR APPROVED EQUAL. HYDRANTS SHALL BE PAINTED ALL YELLOW. SEE TABULATION ON SHEET C.09.
58	2555-0000010	<u>DELIVER AND STOCKPILE SALVAGED MATERIALS</u> ITEM INCLUDES DELIVERY AND STOCKPILE OF ALL SALVAGED SIGNS TO THE CITY OF STORM LAKE STREET DEPARTMENT AND STOCKPILE OF ALL SALVAGED HYDRANTS TO THE CITY OF STORM LAKE WATER DEPARTMENT. MEASUREMENT AND PAYMENT WILL BE LUMP SUM. PAYMENT WILL BE MADE AS A PERCENTAGE OF EACH SIGN OR HYDRANT STOCKPILED. SEE TABULATION ON SHEET C.04.
59	2599-9999005	<u>CONNECT TO EXISTING SANITARY SEWER</u> CONNECTIONS TO EXISTING PIPE TO BE ACCOMPLISHED WITH COUPLER COMPLYING TO CCSA B602, ASTM D5926, AND ASTM C1173. CLAMP BAND SHALL BE 301 STAINLESS STEEL. ITEM SHALL BE FOR BOTH THE CONNECTION TO EXISTING SERVICEC AND CONNECTION TO EXISTING MAIN COMBINED. ENGINEER SHALL COUNT EACH CONNECTION TO EXISTING SERVICE AND CONNECTION TO EXISTING MAIN PAIRS AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION.
60	2599-9999005	<u>CONNECT TO EXISTING STORM SEWER</u> ITEM SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO CONSTRUCT A CONCRETE COLLAR TO CONNECT NEW AND EXISTING STORM SEWER PIPES ACCORDING TO THE DETAIL WITHIN THIS PLAN SET OR NEW STORM SEWER STRUCTURES TO EXISTING STORM SEWER PIPES. ANY EXISTING PIPE REMOVED AND REPLACED FOR THE INSTALLATION OF A STORM SEWER STRUCTURE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ENGINEER SHALL COUNT EACH CONNECTION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION.
61	2599-9999005	<u>CONNECT TO EXISTING WATER MAIN</u> ITEM SHALL INCLUDE ALL LABOR AND PARTS NECESSARY TO CONNECT PROPOSED WATERMAIN TO THE EXISTING WATERMAIN. MAXIMUM SHUT DOWN LENGTH FOR THE CONNECTION SHALL BE NO MORE THAN 2 HOURS AS DIRECTED BY THE IOWA DNR. NO RESIDENT MAY BE SHUT DOWN MORE THAN 1 TIME IN A 24 HOUR PERIOD. ENGINEER SHALL COUNT EACH CONNECTION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH CONNECTION. SEE TABULATION ON SHEET C.09.
62	2599-9999005	<u>SALVAGE FIRE HYDRANT</u> CONTRACTOR SHALL SALVAGE EXISTING FIRE HYDRANT AND RETURN TO THE CITY OF STORM LAKE. MEASUREMENT AND PAYMENT SHALL BE PER EACH HYDRANT DELIVERED TO THE CITY. SEE TABULATION ON SHEET C.05.
63	2599-9999005	<u>SANITARY SEWER SERVICE REPAIR</u> SANITARY SEWER ENCOUNTERED ON THIS PROJECT, MARKED OR OTHERWISE, SHALL BE PROTECTED IN PLACE IF POSSIBLE OR REPAIRED WITH NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS AND THE SAME SIZE SDR 23.5 PVC PIPE. SIZE AND TYPE OF PIPE SHALL BE VERIFIED IN THE FIELD. QUANTITY IS AN ESTIMATE TO ESTABLISH A UNIT PRICE. PAYMENT SHALL BE MADE FOR ACTUAL LENGTH OF PIPE REPAIR. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ENGINEER SHALL COUNT EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH REPAIR.
64	2599-9999005	<u>TILE REPAIR</u> DRAIN TILE ENCOUNTERED ON THIS PROJECT, MARKED OR OTHERWISE, SHALL BE PROTECTED IN PLACE IF POSSIBLE OR REPAIRED. SIZE AND TYPE OF PIPE SHALL BE VERIFIED IN THE FIELD. PAYMENT SHALL BE MADE PER FOOT OF PIPE REPAIR UP TO 12" IN NOMINAL DIAMETER. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ENGINEER SHALL MEASUER EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT REPAIRED.
65	2599-9999005	<u>YARD HYDRANT</u> ALL FITTINGS, JOINTS, GATE VALVES, AND 6" PVC PIPE NECESSARY TO INSTALL HYDRANT SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM INCLUDING THE 8" GATE VALVE AND BOX, 8" PLUG WITH A 3/4" TAP AND 3/4" STAINLESS STEEL HIDE DRAT COMPLETE ASSEMBLY OR APPROVED EQUAL. SEE TABULATION ON SHEET C.09 FOR LOCATION. ENGINEER SHALL COUNT EACH HYDRANT AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH HYDRANT.
66	2599-9999007	<u>EXPLORATORY EXCAVATION</u> THIS ITEM IS FOR THE INVESTIGATION OF LOCATIONS AND ELEVATIONS OF AN EXISTING UTILITY TO VERIFY THE POTENTIAL FOR CONFLICTS. THE ENGINEER OR THEIR REPRESENTATIVE MUST VERIFY THE CONDITIONS FOUND. QUANTITY IS ESTIMATED TO ESTABLISH UNIT PRICE. NO PAYMENT WILL BE MADE FOR EXPLORATORY EXCAVATION UNLESS SPECIFICALLY DIRECTED AND AGREED TO BY THE ENGINEER. EXPLORATORY EXCAVATION WILL NOT BE PAID FOR EXCAVATION REQUIRED TO LOCATE AND CONNECT TO EXISTING PIPES UNLESS THE ENGINEER AGREES THAT EXCAVATION BEYOND WHAT COULD BE CONSIDERED REASONABLE IS REQUIRED. WHERE EXPLORATORY EXCAVATION IS PERFORMED IN A LOCATION THAT WILL NOT BE DISTURBED LATER, BACKFILL SHALL BE PLACED AND COMPACTED TO THE DENSITY SPECIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS FOR THE TYPE OF UTILITY LOCATED. CONTRACTOR HAS THE OPTION TO USE OPEN EXCAVATION OR VACUUM TYPE EQUIPMENT TO PERFORM THE EXCAVATION DEPENDING UPON SITE CONDITIONS. ENGINEER SHALL COUNT EACH HOUR OF EXPLORATORY EXCAVATION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR.
67	2599-9999007	<u>SWEEPING</u> THIS ITEM WILL BE FOR A MECHANICAL BROOM TO CLEAN THE SITE AS DIRECTED BY THE ENGINEER. MECHANICAL BROOM SHALL HAVE THE ABILITY TO COLLECT THE DEBRIS AND RETURN IT TO THE SITE. SWEEPING WILL BE REQUIRED FOR HAUL ROUTES USED BY THE CONTRACTOR. ENGINEER SHALL COUNT EACH HOUR OF SWEEPING AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR.

ESTIMATE REFERENCE INFORMATION		
ITEM NO.	ITEM CODE	DESCRIPTION
68	2599-9999009	<u>4" SUBDRAIN STUB</u> LOCATIONS TO BE DETERMINED IN THE FIELD. ALL CONNECTIONS SHALL BE TO A DEDICATED SUMP PUMP COLLECTOR LINE. ALL MATERIAL NEEDED AS DESCRIBED IN THE DETAIL OF THIS PLAN SET SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. PIPE SHALL BE SOLID WALL NON-PERFORATED SDR 35 PVC OR SCHEDULE 40 PVC. ALL FITTINGS SHALL BE INCLUDED IN THIS ITEM. INSTALL A SLIP CAP AT THE RIGHT OF WAY LINE INCLUDED IN THIS ITEM. MEASUREMENT OF EACH SIZE OF PIPE WILL BE IN LINEAR FEET FROM END OF PIPE TO END OF PIPE. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT.
69	2599-9999009	<u>WATERMAIN REMOVAL OR ABANDONMENT</u> CONTRACTOR SHALL EITHER REMOVE OR ABANDON WATERMAIN. IF ABANDONMENT IS CHOSEN CONTRACTOR SHALL INSTALL A MEGALUG CAP AT THE END OF THE EXISTING WATERMAIN PIPE TO PROTECT IT FROM SOIL AND SHALL BE INCLUDED IN THIS ITEM. EXISTING VALVES AND VALVE BOXES MARED FOR REMOVAL SHALL BE INCIDENTAL TO THIS ITEM. ALL BACKFILL REQUIRED SHALL BE INCLUDED WITH THIS ITEM. ITEM SHALL BE PAID BY THE LINEAR FOOT ABANDONED OR REMOVED AS MEASURED BY THE ENGINEER AND BASIS OF PAYMENT WILL BE BY THE LINEAR FOOT.
70	2599-9999010	<u>GARBAGE SERVICE MAINTENANCE</u> CONTRACTOR SHALL PICK UP ALL GARBAGE CONTAINERS PLACED OUT FOR COLLECTION BY THE RESIDENTS ONCE PER WEEK AND BRING TO A LOCATION AGREED UPON BY THE GARBAGE HAULER. UPON COLLECTION OF THE BINS, CONTRACTOR SHALL REDISTRIBUTE EACH BIN TO THE RESPECTIVE OWNERS. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE. PAYMENT WILL BE AT THE LUMP SUM PRICE AT THE SAME SCHEDULE AS TRAFFIC CONTROL.
71	2599-9999010	<u>TEMPORARY MAIL SERVICE MAINTENANCE</u> CONTRACTOR SHALL PROVIDE TEMPORARY MAIL BOXES FOR ALL RESIDENCES AFFECTED BY THE PROJECT. TEMPORARY MAILBOX SHALL BE LOCATED IN A PLACE ACCESSIBLE TO ALL RESIDENTS AND THE USPS FOR THE DURATION OF THE PROJECT. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE. PAYMENT WILL BE AT THE LUMP SUM PRICE.
72	2599-9999010	<u>TEMPORARY WATER</u> CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL PROPERTIES IN THE PROJECT AREA. CONTRACTOR MAY TEMPORARILY INTERRUPT WATER SERVICE FOR A MAXIMUM OF 2 HOURS TO ANY PROPERTY WITHIN A 48 HOUR WINDOW. CONTRACTOR SHALL CAREFULLY PLAN SEQUENCE OF WATERMAIN CONSTRUCTION AND SHALL TAKE NECESSARY CONSTRUCTION MEASURES AS REQUIRED TO ADEQUATELY RESTORE AND MAINTAIN SERVICE TO ALL AREAS AFFECTED BY CONSTRUCTION. SUCH PROPOSED MEASURES AND PLAN OF ACTION SHALL BE REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER PRIOR TO SCHEDULED SERVICE INTERRUPTION. TEMPORARY PIPES, FITTINGS, AND VALVES, INCLUDING DISINFECTION IN ACCORDANCE WITH AWWA C-651 SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. ADEQUATE PRESSURE MUST BE MAINTANINED TO COMMERCIAL PROPERTIES WITH FIRE SUPPRESSION SYSTEMS. THIS IS A LUMP SUM ITEM AND NO MEASUREMENT WILL BE MADE PROPORTIONATE TO THE COMPLETION PERCENTAGE OF WATER RELATED CONSTRUCTION.
73	2599-9999012	<u>DUST CONTROL</u> ITEM SHALL BE FOR DUST ABATEMENT AS DIRECTED BY THE ENGINEER. MEASUREMENT TO THE NEAREST 1000 GALLONS OF ADDED WATER. PAYMENT WILL BE BY THE UNIT PRICE PER 1000 GALLONS.
74	2599-9999018	<u>POLYSTYRENE INSULATION, 4"</u> INSULATION SHALL BE EXTRUDED RIGID BOARD MATERIAL WITH A THERMAL CONDUCTIVITY OF 0.23 BTU/HOUR/SQUARE FOOT/DEGREE FAHRENHEIT/INCH THICKNESS, MAXIMUM AT 40 F MEAN, MINIMUM COMPRESSIVE STRENGTH OF 35 PSI AND WATER ABSORPTION OF 0.25% BY VOLUME MEDIAN. BOARD DIMENSIONS SHALL BE 8' LONG, 2 OR 4' WIDE, AND EITHER 1.5", 2", OR 3" THICK. INSULATION SHALL BE PLACED ON A BED OF SAND AND SAND SHALL BE PLACED ABOVE THE INSULATION TO ISOLATE THE INSULATION FROM ROCKS AND OTHER SHARP OBJECTS. MEASUREMENT WILL BE BY THE SQUARE YARD OF INSULATION INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
75	2599-9999018	<u>TEMPORARY GRANULAR SURFACE CASE 1</u> MINIMUM THICKNESS OF 10". MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC ON TEMPORARY AGGREGATE SURFACED DRIVES AND WALKWAYS INCLUDING THE EVENTUAL REMOVAL OF THE AGGREGATE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM. SEE "J" SHEETS FOR LOCATIONS. MEASUREMENT WILL BE BY THE SQUARE YARD OF AGGREGATE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
76	2599-9999018	<u>TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B</u> PRODUCT SHALL BE ECTC TYPE 1.B, WHICH IS COMPRISED OF NATURAL AND/OR POLYMER FIBERS MECHANICALLY INTERLOCKED AND/OR CHEMICALLY ADHERED TOGETHER TO FORM A NETLESS RECP. PRODUCT SHALL HAVE A C FACTOR ≤ 0.10 FROM STANDARDIZED LARGE-SCALE RAINFALL PERFORMANCE TESTING, ASTM D6459 OR EQUIVALENT DEEMED ACCEPTABLE BY THE ENGINEER. PRODUCT UNVEGETATED PERMISSIBLE SHEAR STRESS RATING SHALL BE ≥ 1.0 LBS/FT2 (≥ 48 PA) ACCORDING TO ASTM D6460 OR EQUIVALENT DEEMED ACCEPTABLE BY THE ENGINEER. MD (MACHINE DIRECTION) TENSILE STRENGTH SHALL BE ≥ 125 LBS/FT (≥ 1.8 KN/M) X TD (TRANSVERSE DIRECTION) TENSILE STRENGTH OF ≥ 10 LBS/FT (≥ 0.1 KN/M) ACCORDING TO ASTM D6818. PRODUCT SHALL HAVE A THICKNESS ≥ 0.3 IN (≥ 7.6 MM) ACCORDING TO ASTM D6525, GROUND COVERAGE OF ≥ 50% - ≤ 90% ACCORDING TO ASTM D6567, AND MASS PER UNIT AREA OF ≥ 10.0 OZ/YD2 (≥ 339 G/M2) ACCORDING TO ASTM D6475. ITEM SHALL BE PLACED OVER ALL AREA MARKED FOR SEED AND FERTILIZE (URBAN) AFTER SEEDING AND FERTILIZATION HAS BEEN COMPLETED. MECHANICALLY FASTEN PRODUCT ACCORDING TO MANUFACTURE RECOMENDATIONS. MEASUREMENT WILL BE BY THE SQUARE YARD INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE YARD.
77	2599-9999020	<u>GRANULAR SUBBASE</u> SEE TABULATION ON SHEET C.06. GRADATION 32, GRANULAR BACKFILL SHALL BE USED FOR THIS ITEM. 2111 SHALL APPLY. METHOD OF MEASUREMENT OF TONS PLACED AND BASIS OF PAYMENT WILL BE THE UNIT PRICE PER TON.
78	2599-9999020	<u>TEMPORARY GRANULAR SURFACE CASE 2</u> ITEM SHALL BE USED IF WINTER SHUTDOWN IS DICTATED BY CONTRACTOR'S SCHEDULE AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL PROVIDE A MINIMUM THICKNESS OF 10" INCLUDING ANY ROAD SECTION ALREADY IN PLACE AND APPROVED BY THE ENGINEER ACCORDING TO THE DETAIL ON SHEET B.01. MAINTENANCE OF VEHICULAR AND PEDESTRIAN TRAFFIC ON TEMPORARY AGGREGATE SURFACED DRIVES AND WALKWAYS INCLUDING THE EVENTUAL REMOVAL OF THE AGGREGATE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM. CONTRACTOR SHALL SHAPE SURFACE TO PROMOTE DRAINAGE OFF OF THE ROADBED. ITEM SHALL INCLUDE SURFACING TO THE PROPOSED BACK OF CURB LINE. ANY AGGREGATE USED OUTSIDE OF THE BACK OF CURB SHALL BE INCIDENTAL TO THIS ITEM. MEASUREMENT WILL BE BY THE TON OF AGGREGATE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER TON.
79	2601-2634105	<u>MULCH, BONDED FIBER MATRIX</u> MULCHING SHALL BE PLACED AS EROSION CONTROL EVERYWHERE SEEDING AND FERTILIZING IS TO BE PLACED.
80	2601-2636044	<u>SEED AND FERTILIZE (URBAN)</u> CONTRACTOR SHALL SEED ALL AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS AS DIRECTED BY THE ENGINEER. SEED SHALL COMPLY WITH URBAN TYPE SEED MIX AND RATES.
81	2601-2636070	<u>HYDRAULIC SEEDING</u> CONTRACTOR SHALL SEED ALL AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS AS DIRECTED BY THE ENGINEER. SEED SHALL COMPLY WITH URBAN TYPE SEED MIX AND RATES. MULCH SHALL BE BONDED FIBER MATRIX (BFM).
82	2602-0000150	<u>STABILIZED CONSTRUCTION ENTRANCE, EC-303</u> SEE SHEETS C.11 & C.12 FOR LOCATIONS.
83	2602-0000530	<u>GRATE INTAKE SEDIMENT FILTER BAG</u> SW-505 INTAKES SHALL BE PAID PER INTAKE CASTING (2 EACH). SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG INSTALLED AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG.
84	2602-0000540	<u>MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG</u> SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG INSTALLED AND ACTIVELY MAINTAINED.
85	2602-0000550	<u>REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG</u> SEE TABULATION ON SHEET C.07. ENGINEER SHALL COUNT EACH FILTER BAG AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG REMOVED.
86	2602-0010010	<u>MOBILIZATION, EROSION CONTROL</u>

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REMOVAL OF PAVEMENT									
This Data Entry Sheet fills Tab 110-1 effective 04-16-13									
Begin Station	End Station	Side	Pavement Type	Safety Closure	Length	Width	Area	Area	Remarks
				Each	FT	FT	SF	SY	
101+49.00	122+61.96	BOTH	ACC OVER PCC	1	2113	31	65502	7278.0	
104+70.00		LEFT	ACC OVER PCC	2	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 4TH ST
104+70.00		RIGHT	ACC OVER PCC	2	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 4TH ST
111+80.00		LEFT	ACC OVER PCC	2	35	37	1295	143.9	INTERSECTION OF ONEIDA ST AND 5TH ST
111+80.00		RIGHT	ACC OVER PCC	2	35	37	1295	143.9	INTERSECTION OF ONEIDA ST AND 5TH ST
112+19.00	115+21.00	LEFT	PCC		302	28	8558	950.9	
115+62.00		LEFT	ACC OVER PCC	1	35	27	945	105.0	INTERSECTION OF ONEIDA ST AND 6TH ST
115+62.00		RIGHT	ACC OVER PCC	1	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 6TH ST
120+42.00		LEFT	ACC OVER PCC	1	26	16	416	46.2	INTERSECTION OF ONEIDA ST AND 7TH ST
120+42.00		RIGHT	ACC OVER PCC	1	35	31	1085	120.6	INTERSECTION OF ONEIDA ST AND 7TH ST
120+89.00	122+62.00	LEFT	PCC	1	173	11	2190	243.3	
			Totals:	14				9393	

SIDEWALK REMOVAL						
This Data Entry Sheet fills Tab 110-5 effective 10-20-15						
Begin Station	End Station	Length	Width	Area	Area	Remarks
		FT	FT	SF	SY	
104+30.64	104+55.27	VARIES	VARIES	99	11.0	PED RAMP
104+85.72	105+08.73	VARIES	VARIES	235	26.1	PED RAMP
105+03.94	105+08.50	VARIES	34.1	154	17.1	PED RAMP
105+87.87	105+99.87	12.0	4.5	54	6.0	
106+54.23	106+65.58	11.4	4.5	51	5.7	
107+34.91	107+45.84	10.9	4.5	49	5.5	
107+57.15	107+69.15	12.0	4.5	54	6.0	
108+22.81	108+34.81	12.0	4.5	54	6.0	
109+68.11	109+80.11	12.0	4.5	54	6.0	
110+30.29	110+42.29	12.0	4.5	54	6.0	
110+86.99	110+98.99	12.0	4.5	54	6.0	
111+25.81	111+48.85	VARIES	VARIES	232	25.8	PED RAMP
111+40.18	111+65.68	VARIES	VARIES	235	26.1	PED RAMP
111+94.70	112+23.50	VARIES	VARIES	269	29.9	PED RAMP
112+14.34	112+19.02	VARIES	VARIES	166	18.4	PED RAMP
112+45.52	113+14.40	68.9	4.5	310	34.4	
113+57.64	113+69.63	12.0	5.5	66	7.3	
114+07.79	114+19.79	12.0	6.5	78	8.7	
115+20.54	115+44.97	VARIES	VARIES	251	27.9	PED RAMP
115+20.78	115+24.79	VARIES	VARIES	115	12.8	PED RAMP
115+75.90	116+00.62	VARIES	VARIES	219	24.3	PED RAMP
115+76.31	116+00.16	VARIES	VARIES	244	27.1	PED RAMP
119+99.42	120+28.17	VARIES	VARIES	203	22.6	PED RAMP
119+99.87	120+24.09	VARIES	VARIES	114	12.7	PED RAMP
120+55.26	120+80.26	VARIES	VARIES	217	24.2	PED RAMP
120+58.26	120+80.39	VARIES	VARIES	231	25.6	PED RAMP
				Totals:	429	

REMOVAL OF PAVED DRIVES						
This Data Entry Sheet fills Tab 110-08 effective 04-17-18						
Location		Length	Width	Area	Area	Remarks
Station	Side	FT	FT	SF	SY	
101+86	RT	46.4	10.6	490	54.4	
102+58	LT	15.1	6.0	80	8.8	
102+69	RT	14.3	13.6	207	23.0	
103+50	RT	39.1	10.3	371	41.2	
103+72	LT	128.8	15.7	1956	245.8	
105+80	RT	27.9	29.7	663	73.6	GRAVEL DRIVEWAY
106+09	LT	53.8	23.0	871	96.7	
106+46	RT	16.9	29.6	497	55.3	
107+08	RT	17.4	29.9	355	39.4	
107+99	RT	29.7	20.0	513	57.1	
108+46	LT	38.7	17.8	433	48.0	
108+60	RT	20.3	10.3	197	21.9	
108+83	RT	18.6	22.8	412	45.8	
109+20	LT	20.0	34.3	423	47.0	
109+40	RT	17.5	12.3	182	20.3	
109+75	LT	22.7	34.3	625	69.4	GRAVEL DRIVEWAY
110+00	RT	21.1	30.1	528	58.6	
110+79	LT	98.1	VARIES	1923	213.5	
110+79	RT	12.6	30.1	304	33.8	
113+20	RT	16.2	24.1	287	31.9	
113+85	LT	301.5	28.5	8558	399.3	
113+93	RT	16.1	20.9	246	27.3	
114+50	RT	15.7	20.9	265	29.5	
116+56	RT	13.0	21.4	229	25.5	
117+38	RT	27.4	29.0	668	74.2	
118+15	RT	15.7	20.3	251	27.9	
118+70	RT	15.4	9.8	122	13.6	
119+32	RT	16.0	13.5	174	19.4	
121+33	RT	16.7	28.0	341	37.9	
121+75	LT	171.6	VARIES	4610	243.4	
121+95	RT	24.2	27.7	644	71.5	
				TOTALS:	2255	

EXISTING SIGNS TO BE REMOVED						
This Data Entry Sheet fills Tab 190-62 effective 10-15-13						
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	SIDE	TYPE 'A' SIGN ASSEMBLY	REMOVE & REINSTALL EXISTING SIGNS	APPLICABLE SIGNING NOTES	REMARKS
			EACH	EACH		
CROSSWALK AHEAD	101+60	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
RAILROAD CROSSING	101+82	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	104+26	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	104+98	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	105+13	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	111+36	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	112+06	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	112+11	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	115+42	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	115+79	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	115+89	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	120+25	LT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STOP	120+58	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	120+68	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
NO PARKING	121+67	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
STREET NAME	122+69	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
CROSSWALK	122+70	RT		1		TO BE PAID INDIVIDUALLY AS ITEMS 45 AND 60
			TOTAL :	17		

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REMOVAL OF INTAKES & UTILITY ACCESSES		
This Data Entry Sheet fills Tab 110-15 effective 04-16-13		
Location	Description	Remarks
STA:104+48, 22' R	STORM INTAKE	
STA:104+50, 22' L	STORM INTAKE	
STA:104+87, 25' L	STORM INTAKE	
STA:104+88, 25' R	STORM INTAKE	
STA:104+69, 20' L	SANITARY MANHOLE	
STA:109+83, 26' R	STORM MANHOLE	
STA:109+84, 26' L	STORM MANHOLE	
STA:111+30, 25' L	STORM MANHOLE	
STA:111+31, 13' L	STORM INTAKE	
STA:111+32, 13' R	STORM INTAKE	
STA:113+69, 25' L	STORM MANHOLE	
STA:113+69, 13' L	STORM INTAKE	
STA:113+70, 13' R	STORM INTAKE	
STA:116+05, 13' L	STORM INTAKE	
STA:116+05, 13' R	STORM INTAKE	
STA:116+79, 23' L	STORM MANHOLE	
STA:122+57, 23' L	STORM MANHOLE	
STA:122+57, 13' L	STORM INTAKE	
STA:122+58, 13' R	STORM INTAKE	
TOTAL:	19	

SANITARY, STORM SEWER, AND WATERMAIN ABANDONMENT OR REMOVAL						
* Not a bid item, for information only						
This Data Entry Sheet fills Tab 110-14 effective 04-16-13						
Location/Description	Sanitary, Storm Sewer or Watermain	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch Diameter	> 36 inch Diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
STA:104+14 32' RT - STA:104+80 32' RT	Watermain	Removal	66			
STA:104+80 44' LT - STA:104+80 52' RT	Watermain	Removal	96			
STA:104+69 18' LT - STA:104+69 44' RT	Sanitary Sewer	Removal	66			
STA:104+47 26' LT - STA:104+44 73' RT	Storm Sewer	Removal	100			
STA:104+47 26' LT - STA:122+57 23' LT	Storm Sewer	Abandonment, Plug Only	1810			
STA:104+90 50' LT	Watermain	Removal				SALVAGE HYDRANT
STA:104+91 30' LT - STA:104+97 55' RT	Storm Sewer	Removal	85			
STA:104+80 20' LT - STA:115+52 19' LT	Watermain	Abandonment, Plug Only	1072			
STA:111+30 25' LT - STA:111+32 13' RT	Storm Sewer	Removal	39			
STA:112+10 22' LT	Watermain	Removal				SALVAGE HYDRANT
STA:113+69 25' LT - STA:113+70 12' RT	Storm Sewer	Removal	39			
STA:115+40 49' LT	Watermain	Removal				SALVAGE HYDRANT
STA:115+51 51' LT - STA:115+51 53' RT	Watermain	Removal	104			
STA:115+51 51' RT - STA:116+03 22' RT	Watermain	Abandonment, Plug Only	468			
STA:119+86 21' RT - STA:120+19 32' RT	Watermain	Removal	36			
STA:120+13 35' RT	Watermain	Removal				SALVAGE HYDRANT
STA:120+18 34' LT - STA:120+19 42' RT	Watermain	Abandonment, Plug Only	76			CONCRETE PLUGS
STA:120+20 24' LT - STA:120+57 41' LT	Storm Sewer	Removal	45			
STA:122+57 23' LT - STA:122+57 14' RT	Storm Sewer	Removal	37			
		WATERMAIN TOTALS:	1918			
		SANITARY SEWER TOTALS:	66			
		STORM SEWER TOTALS:	2155			

CLEARING AND GRUBBING																	
This Data Entry Sheet fills Tab 110-17 effective 04-18-17																	
Location		Work and Material Type	Trees, Stumps, and Logs and Down Timber Material Diameters														Remarks
Station to Station	Direction of Travel		3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Calculated Units	
112+75	RT	Stumps - Grubbing													1	160.0	
															TOTAL	160	

PROJECT DESCRIPTION	
This Data Entry Sheet fills Tab 100-1D effective 10-18-05	
THIS PROJECT INVOLVES THE RECONSTRUCTION OF ONEIDA STREET IN STORM LAKE, IOWA FROM EAST RAILROAD STREET TO EAST MILWAUKEE AVENUE. CONSTRUCTION PROPOSES TO REMOVE AND REPLACE EXISTING ASPHALT OVER CONCRETE PAVEMENT WITH NEW PCC PAVEMENT. UNDERGROUND IMPROVEMENTS TO FULLY REPLACE THE EXISTING SANITARY SEWER, STORM SEWER, AND WATER SYSTEMS. NEW MANHOLES AND INTAKES WILL BE PUT INPLACE TO PROVIDE ADEQUATE DRAINAGE ALONG THE CORRIDOR.	

This Data Entry Sheet fills Tab 100-1D effective 10-18-05

THIS PROJECT INVOLVES THE RECONSTRUCTION OF ONEIDA STREET IN STORM LAKE, IOWA FROM EAST RAILROAD STREET TO EAST MILWAUKEE AVENUE. CONSTRUCTION PROPOSES TO REMOVE AND REPLACE EXISTING ASPHALT OVER CONCRETE PAVEMENT WITH NEW PCC PAVEMENT. UNDERGROUND IMPROVEMENTS TO FULLY REPLACE THE EXISTING SANITARY SEWER, STORM SEWER, AND WATER SYSTEMS. NEW MANHOLES AND INTAKES WILL BE PUT IN PLACE TO PROVIDE ADEQUATE DRAINAGE ALONG THE CORRIDOR.

STANDARD ROAD PLANS		
The following Standard Road Plans apply to construction work on this project.		
Number	Date	Title
DR-303	10-17-17	Subdrains (Longitudinal)
EC-303	10-20-20	Stabilized Construction Entrance
MI-210	10-20-15	PCC Driveways and Alleys
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PM-111	04-21-20	Symbols and Legends
PV-101	04-21-20	Joints
PV-102	04-21-20	PCC Curb Details
PV-103	04-21-20	Manhole Boxouts in PCC Pavement
SI-101	04-19-16	Locations - Type 'A' Signs
SW-101	04-17-18	Trench Bedding And Backfill Zones
SW-102	04-16-19	Rigid Gravity Pipe Trench Bedding
SW-104	04-21-20	Pressure Pipe Trench Bedding
SW-201	04-21-20	Sanitary Sewer Service Stub
SW-211	04-17-18	Storm Sewer Pipe Connections
SW-301	04-21-20	Circular Sanitary Sewer Manhole
SW-306	04-21-15	Chimney Seals for Sanitary Sewer Manholes
SW-401	04-21-20	Circular Storm Sewer Manhole
SW-402	04-21-20	Rectangular Storm Sewer Manhole
SW-501	04-21-20	Single Grate Intake
SW-502	04-21-20	Circular Single Grate Intake
SW-505	04-21-20	Double Grate Intake
SW-601	04-21-20	Castings for Sanitary Sewer Manholes
SW-602	04-21-20	Castings for Storm Sewer Manholes
SW-603	10-16-18	Castings for Grate Intakes
TC-252	04-21-20	Routes Closed to Traffic
WM-101	10-16-16	Thrust Blocks
WM-102	10-16-16	Tracer System
WM-201	10-18-17	Fire Hydrant Assembly

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
DR-303	10-17-17	Subdrains (Longitudinal)
EC-303	10-20-20	Stabilized Construction Entrance
MI-210	10-20-15	PCC Driveways and Alleys
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PM-111	04-21-20	Symbols and Legends
PV-101	04-21-20	Joints
PV-102	04-21-20	PCC Curb Details
PV-103	04-21-20	Manhole Boxouts in PCC Pavement
SI-101	04-19-16	Locations - Type 'A' Signs
SW-101	04-17-18	Trench Bedding And Backfill Zones
SW-102	04-16-19	Rigid Gravity Pipe Trench Bedding
SW-104	04-21-20	Pressure Pipe Trench Bedding
SW-201	04-21-20	Sanitary Sewer Service Stub
SW-211	04-17-18	Storm Sewer Pipe Connections
SW-301	04-21-20	Circular Sanitary Sewer Manhole
SW-306	04-21-15	Chimney Seals for Sanitary Sewer Manholes
SW-401	04-21-20	Circular Storm Sewer Manhole
SW-402	04-21-20	Rectangular Storm Sewer Manhole
SW-501	04-21-20	Single Grate Intake
SW-502	04-21-20	Circular Single Grate Intake
SW-505	04-21-20	Double Grate Intake
SW-601	04-21-20	Castings for Sanitary Sewer Manholes
SW-602	04-21-20	Castings for Storm Sewer Manholes
SW-603	10-16-18	Castings for Grate Intakes
TC-252	04-21-20	Routes Closed to Traffic
WM-101	10-16-16	Thrust Blocks
WM-102	10-16-16	Tracer System
WM-201	10-18-17	Fire Hydrant Assembly

PCC PAVEMENT

The diagrams illustrate various PCC pavement intersection details:

- Typical Intersection:** A plan view of a standard intersection with a central island (E) and four approach lanes (A, B, C, D). A ramp or loop taper (F) is shown at the bottom.
- Channelized Intersection Widen Existing Roadway:** A plan view showing a channelized intersection with a central island (G) and four approach lanes (A, B, C, D).
- Channelized Intersection Reconstructed Roadway:** A plan view showing a channelized intersection with a central island (H) and four approach lanes (A, B, C, D).

Location				Mainline			Area								Total Area By Pavement Thickness		EXCAVATION, CLASS 13	Modified Subbase	Granular Subbase (1)	Remarks	
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A	B	C	D	E	F	G	H	SY						
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	6"	7"	CY					CY
ONEIDA STREET	N/S	101+49.00	104+51.77	31.0	302.8	1064.0		78.3								1142.3	677.0	220.7	1323.8		
ONEIDA STREET	N/S	104+84.99	111+61.47	31.0	676.5	2330.1		60.6								2390.7	1142.4	452.3	2713.4		
ONEIDA STREET	N/S	111+96.25	115+46.61	31.0	350.4	1206.8		58.1								1264.9	1267.4	229.1	1374.1		
ONEIDA STREET	N/S	115+73.90	120+27.42	31.0	453.5	1562.1		62.5								1624.6	1014.1	307.5	1844.4		
ONEIDA STREET	N/S	120+56.48	122+61.91	31.0	205.4	707.6		31.2								738.8	470.7	133.1	798.3		
4TH STREET	E/W	400+99.29	402+05.18	30.0	105.9	350.1										350.1	168.3	58.4	350.1		
5TH STREET	E/W	501+00.07	502+01.51	VARIES	101.4	357.0										357.0	165.8	59.5	357.0		
6TH STREET	E/W	600+98.66	602+02.62	VARIES	104.0	315.1										315.1	255.6	52.5	315.1		
7TH STREET	E/W	701+04.54	701+96.91	VARIES	92.4	297.8										297.8	162.4	49.6	297.8		
																TOTALS:	8481	5324	1563	9374	

(1) TO BE PAID PER TON

GRATE INTAKE SEDIMENT FILTER BAG					
This Data Entry Sheet fills Tab 100-37 effective 04-18-17					
Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
104+24	15' L	2	8	2	SW-505 INTAKE
104+24	15' R	1	4	1	
104+48	22' R	1	0	1	REMOVE
104+49	25' L	1	0	1	REMOVE
104+88	28' L	1	0	1	REMOVE
104+88	25' R	1	0	1	REMOVE
4TH ST	R	2	8	2	EXISTING
105+12	15' R	1	4	1	
105+14	15' L	1	4	1	
108+71	15' R	1	4	1	
108+71	15' L	2	8	2	SW-505 INTAKE
111+30	15' L	1	0	1	REMOVE
111+32	15' R	1	0	1	REMOVE
111+36	15' L	1	4	1	
111+36	15' R	1	4	1	
111+62	43' L	1	4	1	
5TH ST	R	2	8	2	EXISTING
112+24	15' R	1	4	1	
112+25	15' L	2	8	2	SW-505 INTAKE
113+70	15' L	1	0	1	REMOVE
115+07	15' R	1	0	1	REMOVE
115+08	15' R	1	4	1	
115+08	15' L	1	4	1	
115+47	43' L	1	4	1	
6TH ST	R	2	4	2	EXISTING
116+04	15' R	2	8	2	SW-505 INTAKE
116+04	15' R	1	4	1	
116+06	15' L	1	0	1	REMOVE
116+07	15' L	1	0	1	REMOVE
116+78	15' L	1	4	1	
120+29	41' L	1	2	1	EXISTING
120+57	42' L	1	2	1	EXISTING
7TH ST	R	2	4	2	EXISTING
122+40	15' R	1	4	1	
122+40	15' L	1	4	1	
122+40	19' L	1	4	1	
122+57	15' R	1	0	1	REMOVE
122+58	15' L	1	0	1	REMOVE
122+77	88' L	1	4	1	EXISTING
MILWAUKEE AVE	R	1	4	1	
	TOTALS:	48	132	48	

INTAKES AND UTILITY ACCESSES																			
* Bid Item																			
** FOR INFORMATION ONLY																			
No.	Location Station	Structure Type*	Casting Type	Form Grade (1)	Bottom Well	Structure Height**	Drains To Structure	Pipe Grade	SUBDRAIN OUTLET DR-303	12" RCP	15" RCP	18" RCP	24" RCP	28" X 18" RCP ARCH PIPE	30" RCP	36" X 22" RCP ARCH PIPE	36" RCP	Notes	
				Elev.	Elev.				EA	LF	LF	LF	LF	LF	LF	LF			
1	104+29 15.5' L	SW-505	Q Q	1434.26	1429.69	4.57	2	0.28%	2		31								
2	104+29 15.5' R	SW-501	R	1434.26	1429.60	4.66	3	0.28%	2		67								
3	104+91 14.4' R	SW-401, 84"	F	1434.71	1429.41	5.30	4	0.02%									50		
4	104+90 64.5' R	SW-401, 60"	E	1434.86	1429.40	5.46	EXISTING												
5	105+14 15.5' L	SW-501	R	1434.71	1429.51	5.20	6	0.28%	2		31								
6	105+12 15.5' R	SW-502, 60"	R	1434.67	1429.42	5.25	3	0.05%	1						22				
7	108+71 15.5' L	SW-505	R R	1433.49	1429.52	3.97	8	0.28%			31								
8	108+71 15.5' R	SW-502, 60"	Q	1433.49	1429.43	4.06	6	0.00%	2							359			
9	111+36 15.5' L	SW-502, 48"	R	1433.17	1429.45	3.72	10	0.03%	2					31					
10	111+36 15.5' R	SW-502, 60"	R	1432.87	1429.44	3.43	8	0.00%	2					265					
11	111+50 24' L	SW-401, 72"	E	1434.04	1429.46	4.58	9	0.06%						17					
12	111+61 43' L	SW-501	R	1434.25	1429.52	4.73	11	0.28%	1		22								
13	112+26 24' L	SW-401, 60"	E	1433.36	1429.47	3.89	11	0.01%						76					
14	112+25 15.5' L	SW-505	R R	1432.27	1429.49	2.78	13	0.28%	2			9							
15	112+23 15.5' R	SW-501	R	1432.31	1429.58	2.73	14	0.28%	2		31								
16	115+07 23.5' L	SW-402, 73" X 40"	E	1433.13	1429.48	3.65	13	0.00%						281					
17	115+07 15.5' L	SW-501	R	1432.13	1429.50	2.63	16	0.28%	2		8								
18	115+07 15.5' R	SW-501	R	1432.12	1429.59	2.53	17	0.28%	2		31								
19	115+47 43' L	SW-501	R	1433.88	1429.62	4.26	16	0.28%	1		44								
20	115+90 24' L	SW-401, 60"	E	1434.15	1429.55	4.60	16	0.08%						83					
21	116+04 15.5' L	SW-502, 48"	R	1433.36	1429.60	3.76	20	0.28%	2				16						
22	116+04 15.5' R	SW-505	R	1433.41	1429.69	3.72	21	0.28%	2		31								
23	116+78 15.5' L	SW-502, 48"	R	1433.82	1429.76	4.06	21	0.22%	2			74							
	116+79 23.3' L	EXISTING					23	0.21%		8									
24	120+26 14.5' L	SW-401, 48"	F	1436.01	1430.52	5.49	23	0.22%	2		348								
	120+26 35' L	EXISTING					24	0.98%			21								
25	122+40 17.4' L	SW-501	R	1434.71	1431.19	3.52	26	0.28%			2								
26	122+40 15.5' L	SW-501	R	1434.68	1431.14	3.54	24	0.29%	2		214								
27	122+40 15.5' R	SW-501	R	1434.68	1431.23	3.45	26	0.28%	2		31								
TOTAL									35	8	943	83	16	753	22	359	50		

(1) SEE SW-603 FOR TYPE R OR TYPE 1 GRATES. LOW POINT OF GRATE TO BE 2.75" LOWER THAN FORM GRADE

STRUCTURE TOTALS	
STRUCTURE TYPE	QUANTITY
SW-301, 48"	1
SW-401, 48"	1
SW-401, 60"	3
SW-401, 72"	1
SW-401, 84"	1
SW-402, 73" X 40"	1
SW-501	10
SW-502, 48"	3
SW-502, 60"	3
SW-505	4

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LIST OF SUBDRAIN WORK																			104-5C 10-17-17
* Not a bid item, for information only																			
** DR-303 SHALL BE THE CONNECTION TO INTAKE. SEE DETAILS FOR ACTUAL ALIGNMENT OF SUBDRAIN PIPE																			
Location			Pipe			Aprons		Outlets			Connected Pipe Joints*		Trench Drain	Granular Material	Porous Backfill*	Class "A" Crushed Stone*	Remarks		
No.	Station to Station		Type of Installation **	Concrete, C.M.P., or Plastic	Dia.	Length	DR-201	DR-203	500-10	DR-305		DR-303						DR-121	
			DR-301, DR-302, DR-303							IN	LF							No.	No.
1	100+75 RT	104+24 LT	DR-303, Type 6	Plastic	6	248							1				40		SUBDRAIN RISER
2	101+20 LT	104+24 RT	DR-303, Type 6	Plastic	6	201							1				40		SUBDRAIN RISER
3	104+24 LT	104+53 LT	DR-303, Type 6	Plastic	6	50							1				7		SUBDRAIN RISER
4	104+24 RT	104+55 RT	DR-303, Type 7A	Plastic	6	59							1				9		SUBDRAIN RISER
5	104+86 LT	105+14 LT	DR-303, Type 6	Plastic	6	54							1				8		SUBDRAIN RISER
6	105+12 RT	108+71 RT	DR-303, Type 6	Plastic	6	356							2				53		
7	105+14 LT	105+87 LT	DR-303, Type 6	Plastic	6	73							1				11		SUBDRAIN RISER
8	105+87 LT	108+71 LT	DR-303, Type 6	Plastic	6	282							1				42		SUBDRAIN RISER
9	108+71 LT	109+70 LT	DR-303, Type 6	Plastic	6	96							1				14		SUBDRAIN RISER
10	108+71 RT	111+36 RT	DR-303, Type 6	Plastic	6	157							2				23		
11	109+70 LT	111+36 LT	DR-303, Type 6	Plastic	6	163							1				24		SUBDRAIN RISER
12	111+36 LT	111+56 LT	DR-303, Type 6	Plastic	6	21							1				3		CAP
13	111+36 RT	111+65 RT	DR-303, Type 6	Plastic	6	56							1				8		SUBDRAIN RISER
14	111+59 LT	111+62 LT	DR-303, Type 6	Plastic	6	16							1				2		CAP
15	111+95 RT	112+24 RT	DR-303, Type 6	Plastic	6	56							1				8		SUBDRAIN RISER
16	112+05 LT	112+25 LT	DR-303, Type 6	Plastic	6	19							1				3		CAP
17	112+24 RT	113+49 RT	DR-303, Type 6	Plastic	6	126							1				19		SUBDRAIN RISER
18	112+25 LT	113+49 LT	DR-303, Type 6	Plastic	6	122							1				18		SUBDRAIN RISER
19	113+49 LT	115+08 LT	DR-303, Type 6	Plastic	6	155							1				23		SUBDRAIN RISER
20	113+49 RT	115+08 RT	DR-303, Type 6	Plastic	6	155							1				23		SUBDRAIN RISER
21	115+08 LT	115+40 LT	DR-303, Type 6	Plastic	6	33							1				5		CAP
22	115+08 RT	115+44 RT	DR-303, Type 6	Plastic	6	65							1				10		SUBDRAIN RISER
23	115+44 LT	115+47 LT	DR-303, Type 6	Plastic	6	16							1				2		CAP
24	115+77 RT	116+04 RT	DR-303, Type 6	Plastic	6	54							1				8		SUBDRAIN RISER
25	115+80 LT	116+04 LT	DR-303, Type 6	Plastic	6	25							1				4		CAP
26	116+04 LT	116+78 LT	DR-303, Type 6	Plastic	6	72							2				11		
27	116+04 RT	120+24 RT	DR-303, Type 6	Plastic	6	446							1				66		SUBDRAIN RISER
28	116+78 LT	120+26 LT	DR-303, Type 6	Plastic	6	344							2				51		
29	120+26 LT	122+40 LT	DR-303, Type 6	Plastic	6	210							2				31		
30	120+56 RT	122+40 RT	DR-303, Type 6	Plastic	6	212							1				31		SUBDRAIN RISER
31	122+40 LT	122+62 LT	DR-303, Type 6	Plastic	6	21							1				3		SUBDRAIN RISER
32	122+40 RT	122+62 RT	DR-303, Type 6	Plastic	6	21							1				3		SUBDRAIN RISER
				TOTALS:		3984							37				604		TOTAL SUBDRAIN CLEANOUTS: 21

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WATERMAIN CONSTRUCTION																	
STATION	OFFSET	4" INSULATION (3.56 SY)	4" GATE VALVE & BOX	6" GATE VALVE & BOX	HYDRANT ASSEMBLY	HYDRANT FLANGE ELEVATION	YARD HYDRANT ASSEMBLY	YARD HYDRANT FLANGE ELEVATION	6" CROSS (72 LB)	6"x45° BEND (37 LB)	6"x11.25° BEND (31 LB)	6"x4" REDUCER (22 LB)	6" X 6" TEE (63 LB)	6" THREADED PLUG (16 LB)	6" WATERMAIN (1)	CONNECT TO EXIST WATERMAIN	NOTES
		(SY)	(EACH)	(EACH)	(EACH)		(EACH)		(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(LF)	(EACH)	
104+14	31' R			1											66	1	
104+80	15' R	3.56															
104+80	45' L		1								2	1			77	1	
104+80	32' R			1					1						13		
104+80	48' R		1									1				1	
104+90	32' R	3.56															
104+98	24' R				1	1435.12									18		
108+27	36' R			1	1	1434.89									329		
109+53	31' L			1											126		
109+53	18' R	3.56															
109+53	27' R												1	1	80		
110+93	31' L			1											140		
110+93	18' R	3.56															
110+93	27' R												1	1	63		
111+52	24' R			1	1	1433.69									59		
115+26	27' R			1											378		
115+26	32' L												1	1	57		
115+32	32' L				1	1433.85									21		
115+51	27' R			1					1						272		
115+51	15' L	3.56															
115+51	45' R		1									1				1	
115+52	48' L		1									1			190	1	
116+03	22' R			1						1						1	
119+86	21' R			1						2					31	1	
119+95	29' R				1	1436.57									11		
120+18	36' L			1							1				67	1	
120+18	14' L	3.56															
120+19	20' R								1								
120+19	44' R			1												1	
120+87	20' R						1	1436.33							68		
	TOTALS	21	4	12	5		1		3	3	3	4	3	3	2066	9	
	TOTAL WEIGHTS:								216	111	93	88	189	48			FITTINGS WEIGHT= 745LB

(1) TRENCH FOUNDATION TO BE USED AS NEEDED

WATER SERVICES				
STATION OFFSET (FROM CENTERLINE)	ADDRESS	1" PE SERVICE	1" CORP STOP, CURB STOP, AND BOX	NOTES
		LF	EA	
38' R	507 ONEIDA ST	11	1	(1)
38' R	515 ONEIDA ST	16	1	(1)
38' R	517 ONEIDA ST	17	1	(1)
38' R	519 ONEIDA ST	19	1	(1)
38' R	521 ONEIDA ST	18	1	(1)
38' R	525 ONEIDA ST	18	1	(1)
38' R	529 ONEIDA ST	17	1	(1)
38' R	533 ONEIDA ST	16	1	(1)
38' R	501 E 5TH ST	20	1	(1)
38' R	605 ONEIDA ST	16	1	(1)
38' R	609 ONEIDA ST	15	1	(1)
38' R	615 ONEIDA ST	16	1	(1)
	TOTALS	199	12	

(1) CONTRACTOR SHALL REDUCE WATER SERVICE SIZE TO EXISTING SERVICE LINE AT THE OLD CURB STOP LOCATION.

Paved Drives										
Location		Address	Back of Curb Length	Length at tie in	Width	Area	Special Compactio n	Modified Subbase	PCC Area	Remarks
Station	Side		FT	FT	FT	SF	SY	CY	SY	
101+87	RT	403 & 409 Oneida St.	52.3	45.7	10.9	535	59	5	59.4	
102+59	LT	410 Oneida St.	17.6	11.6	14.1	191	21	2	21.2	
102+70	RT	413 Oneida St.	22.4	16.0	13.9	256	28	2	28.5	
103+48	RT	415 & 419 Oneida St.	42.0	36.0	34.5	1252	139	12	139.1	
103+67	LT	410 Oneida St.	132.5	127.0	14.6	1905	212	18	211.7	
105+79	RT	507 Oneida St.	26.5	20.5	29.2	629	70	6	69.8	
106+08	LT	522 Oneida St.	39.9	33.9	23.4	825	92	8	91.7	
106+46	RT	515 Oneida St.	23.1	17.1	29.4	531	59	5	59.0	
107+08	RT	517 Oneida St.	17.6	11.6	29.5	374	42	3	41.6	
107+95	RT	519 Oneida St.	29.1	23.1	19.7	484	54	4	53.8	
108+45	LT	522 Oneida St.	25.8	19.8	18.1	387	43	4	43.0	
108+59	RT	521 Oneida St.	24.8	18.8	10.0	218	24	2	24.2	
108+83	RT	525 Oneida St.	24.1	18.1	10.0	211	23	2	23.4	
109+21	LT	528 Oneida St.	17.8	11.8	34.5	436	48	4	48.4	
109+39	RT	529 Oneida St.	20.0	14.0	12.1	199	22	2	22.2	
109+85	LT	540 Oneida St.	22.8	16.8	34.4	608	68	6	67.6	
110+00	RT	533 Oneida St.	23.8	17.8	29.8	561	62	5	62.3	
110+75	LT	540 Oneida St.	100.9	94.9	varies	1932	215	18	214.7	No Curb Cut to Oneida
110+79	RT	539 Oneida St.	15.9	9.9	30.1	329	37	3	36.5	
113+22	RT	605 Oneida St.	16.9	10.9	24.2	292	32	3	32.5	
113+70	LT	425 E. 5th St.	301.5	301.5	28.0	8558	951	79	950.9	
113+93	RT	609 Oneida St.	16.7	10.7	21.1	260	29	2	28.9	
114+50	RT	615 Oneida St.	18.2	12.2	21.2	289	32	3	32.1	
116+56	RT	707 Oneida St.	16.9	10.9	21.7	262	29	2	29.2	
117+38	RT	711 Oneida St.	29.7	23.7	29.6	732	81	7	81.3	
118+15	RT	713 Oneida St.	18.0	12.0	20.9	280	31	3	31.1	
118+69	RT	715 Oneida St.	15.3	9.3	10.0	123	14	1	13.7	
119+32	RT	719 Oneida St.	17.8	11.8	14.1	198	22	2	22.0	
121+33	RT	801 Oneida St.	17.9	11.9	28.9	372	41	3	41.3	
121+65	LT	800 Oneida St.	181.7	varies	varies	2190	243	20	243.3	No Curb Cut to Oneida
121+99	RT	805 & 809 Oneida St.	36.4	30.4	28.7	902	100	8	100.2	
						TOTALS:	2925	244	2925	

SIDEWALK PAVEMENT											
Location			Mainline			Total Area By Pavement Thickness		EXCAVATION, CLASS 13	Modified Subbase	DETECTABLE WARNINGS	Remarks
Station to Station		Side	Width	Length	Area	SY					
				FT	FT	SY	5"	6"	CY	CY	SF
104+30.72	104+55.42	R	VARIES	24.7	13.0		13.0	0.2	1.1	9.0	
104+85.63	105+09.21	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
105+03.36	105+09.01	L	VARIES	VARIES	18.0		18.0	0.2	1.5	9.0	
105+87.89	105+99.91	R	4.5	12.0	6.0	6.0		0.9	0.5		
106+54.21	106+65.53	R	4.5	11.3	6.0	6.0		0.9	0.5		
107+34.99	107+45.86	R	4.5	10.9	5.0	5.0		0.7	0.4		
107+57.13	107+69.13	R	4.5	12.0	6.0	6.0		0.9	0.5		
108+81.59	108+93.61	R	4.5	12.0	6.0	6.0		0.9	0.5		
109+68.11	109+80.11	R	4.5	12.0	6.0	6.0		0.9	0.5		
110+30.28	110+42.28	R	4.5	12.0	6.0	6.0		0.9	0.5		
110+86.99	110+98.99	L	4.5	12.0	6.0	6.0		0.9	0.5		
111+25.86	111+40.92	L	4.5	15.1	8.0	8.0		1.2	0.7		
111+40.92	111+45.38	L	15.1	4.5	7.0	7.0		1.0	0.6		
111+40.92	111+45.91	L	VARIES	VARIES	11.0		11.0	0.1	0.9	9.0	
111+40.34	111+65.69	R	VARIES	VARIES	29.0		29.0	0.3	2.4	18.0	
111+94.69	112+19.51	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
112+14.52	112+19.01	R	4.5	4.5	2.0	2.0		0.3	0.2		
112+19.01	112+23.51	R	4.5	4.5	2.0	2.0		0.3	0.2		
112+14.44	112+19.02	L	VARIES	VARIES	18.0			0.1	1.5	9.0	
112+45.52	113+14.37	R	4.5	68.9	34.0	34.0		5.0	2.8		
113+57.64	113+69.64	R	4.5	12.0	6.0	6.0		0.9	0.5		
114+07.79	114+19.79	R	4.5	12.0	6.0	6.0		0.9	0.5		
115+20.25	115+44.82	R	VARIES	VARIES	28.0		28.0	0.3	2.3	18.0	
115+20.82	115+25.11	L	VARIES	VARIES	13.0		13.0	0.2	1.1	9.0	
115+75.82	115+99.47	R	VARIES	VARIES	27.0		27.0	0.3	2.3	18.0	
115+94.39	116+00.31	L	VARIES	VARIES	8.0		8.0	0.1	0.7	9.0	
119+99.36	120+04.37	L	4.5	5.0	3.0	3.0		0.4	0.3		
119+99.87	120+04.37	R	4.5	4.5	2.0	2.0		0.3	0.2		
120+04.37	120+27.22	L	VARIES	VARIES	19.0		19.0	0.2	1.6	18.0	
120+04.37	120+24.47	R	VARIES	VARIES	25.0		25.0	0.3	2.1	18.0	
120+55.46	120+79.73	R	VARIES	VARIES	27.0		27.0	0.3	2.3	18.0	
120+59.37	120+80.39	L	VARIES	VARIES	24.0		24.0	0.3	2.0	18.0	
					TOTALS:	117.0	298.0	20.6	36.1	216.0	

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POLLUTION PREVENTION PLAN

This Data Entry Sheet fills Tab 110-12L effective 10-20-20

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITIES

- A. Designer:
1. Prepares Base PPP included in the project plan.
 2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
 3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.
- B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
 2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
 3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
 4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
 5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
 6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
 7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
- C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
 2. Implement good housekeeping practices according to Paragraph III, C, 2.
- D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
 2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
 3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
 4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
 5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
 6. Is familiar with the Project PPP and storm water site map.
 7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
 8. Is signature authority on Notice of Discontinuation.
 9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
 10. Makes information to determine permit compliance available to the DNR upon their request.
- E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
 2. Makes information to determine permit compliance available to the DNR upon their request.
 3. Conducts joint required inspections of the site with the contractor/subcontractor.
 4. Completes an inspection report after each inspection.
 5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

- A. This Pollution Prevention Plan (PPP) is for the construction of a street and utilities.
- B. This PPP covers approximately 5.0 acres with an estimated 5.0 acres being disturbed. The portion of the PPP covered by this contract has 5.0 acres disturbed.
- C. The PPP is located in an area of Galva - Primghar soil association. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.67.
- D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns – Plan and Profile sheets and Situation plans.
 2. Proposed Slopes – Cross Sections.
 3. Areas of Soil Disturbance – Construction limits shown on Plan and Profile sheets.
 4. Location of Structural Controls – Tabulations in C sheets.
 5. Locations of Non-structural Controls – Tabulations in C sheets.
 6. Locations of Stabilization Practices – Generally within construction limits shown on Plan and Profile sheets.
 7. Surface Waters (including wetlands) – Project Location Map and Plan and Profile sheets.
 8. Locations where Storm Water is Discharged – Plan and Profile sheets.
- E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries.
- F. Runoff from this work will flow into Strom Lake.

III. CONTROLS

- A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
- B. Preserve vegetation in areas not needed for construction.
- C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water monitoring inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
1. EROSION AND SEDIMENT CONTROLS
- a. Stabilization Practices
1. Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
 2. Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
 - a. Permanently ceased on any portion of the site, or
 - b. Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
 3. Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
 4. Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
 5. Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
 6. Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.
- b. Structural Practices

1. Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
 2. Structural practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.
- c. Storm Water Management
1. Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.
2. OTHER CONTROLS
- a. Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply.
1. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
 2. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
 3. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
 4. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
 5. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean-up spills and prevent material discharges to the storm drain system and waters of the state.
 6. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
 7. Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
 8. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
 9. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
 10. Dewatering - Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.
3. APPROVED STATE OR LOCAL PLANS
- During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

- A. Inspections shall be made jointly by the Contractor and the Contracting Authority at least once every seven calendar days. Storm water monitoring inspections will include:
1. Date of inspection.
 2. Summary of the scope of the inspection.
 3. Name and qualifications of the personnel making the inspection.
 4. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
 5. Major observations related to the implementation of the PPP.
 6. Identification of corrective actions required to maintain or modify erosion and sediment control measures.
- B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

- A. Base PPP - Initial Pollution Prevention Plan.
- B. Amended PPP - Base PPP amended during construcion. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
- C. Fieldbook Entries – This contains the inspector's daily diary and bid item postings.
- D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
- E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Josh Pope, P.E.

Infrastructure Engineer

Signature

Scott Olesen

Water Quality and Code Compliance Director

ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

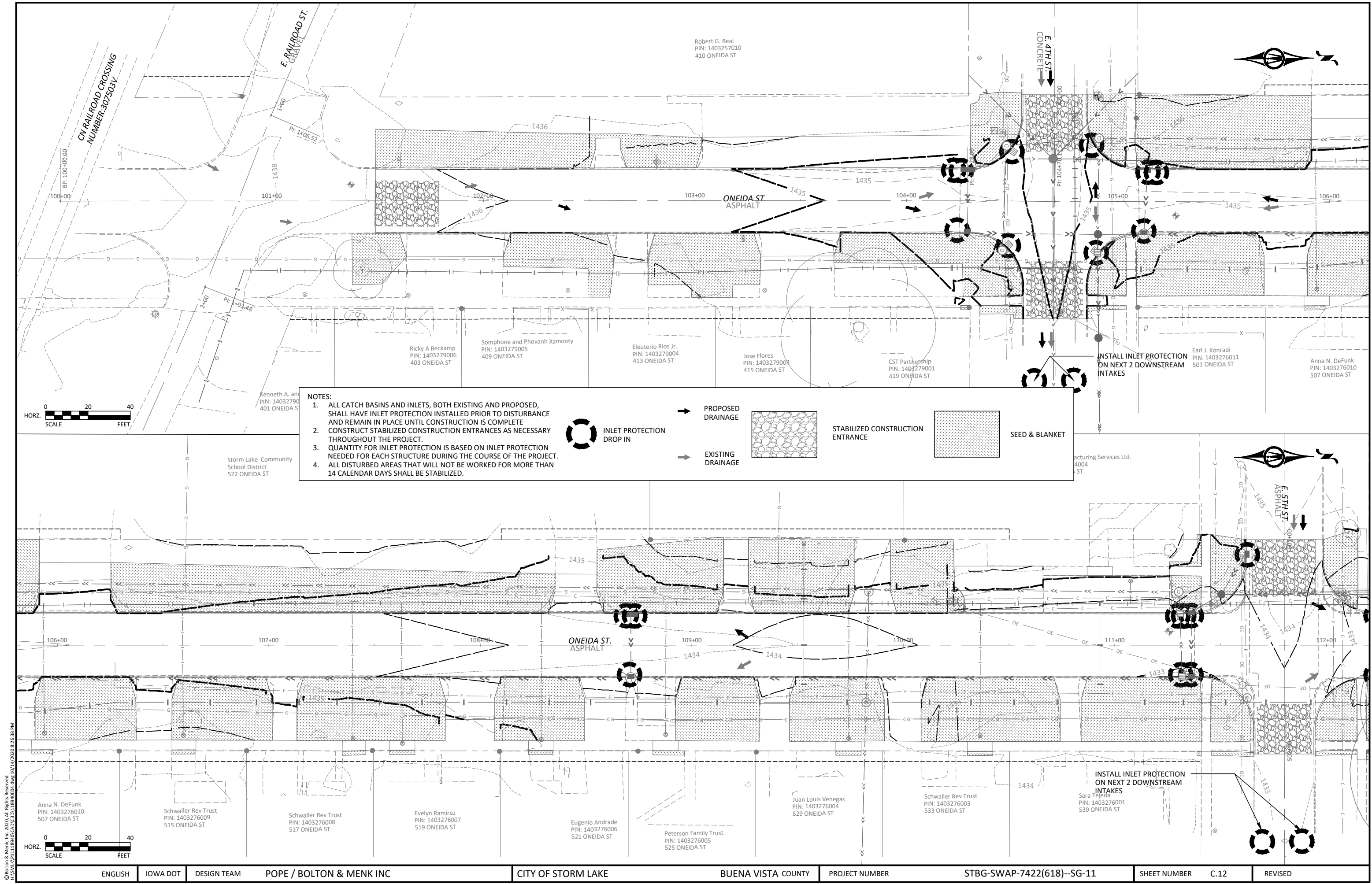
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STBG-SWAP-7422(618)--SG-11

SHEET NUMBER

C.11

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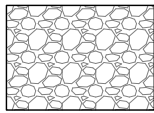
- NOTES:
1. ALL CATCH BASINS AND INLETS, BOTH EXISTING AND PROPOSED, SHALL HAVE INLET PROTECTION INSTALLED PRIOR TO DISTURBANCE AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE
 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AS NECESSARY THROUGHOUT THE PROJECT.
 3. QUANTITY FOR INLET PROTECTION IS BASED ON INLET PROTECTION NEEDED FOR EACH STRUCTURE DURING THE COURSE OF THE PROJECT.
 4. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR MORE THAN 14 CALENDAR DAYS SHALL BE STABILIZED.



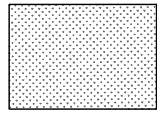
INLET PROTECTION
DROP IN

→ PROPOSED DRAINAGE

→ EXISTING DRAINAGE

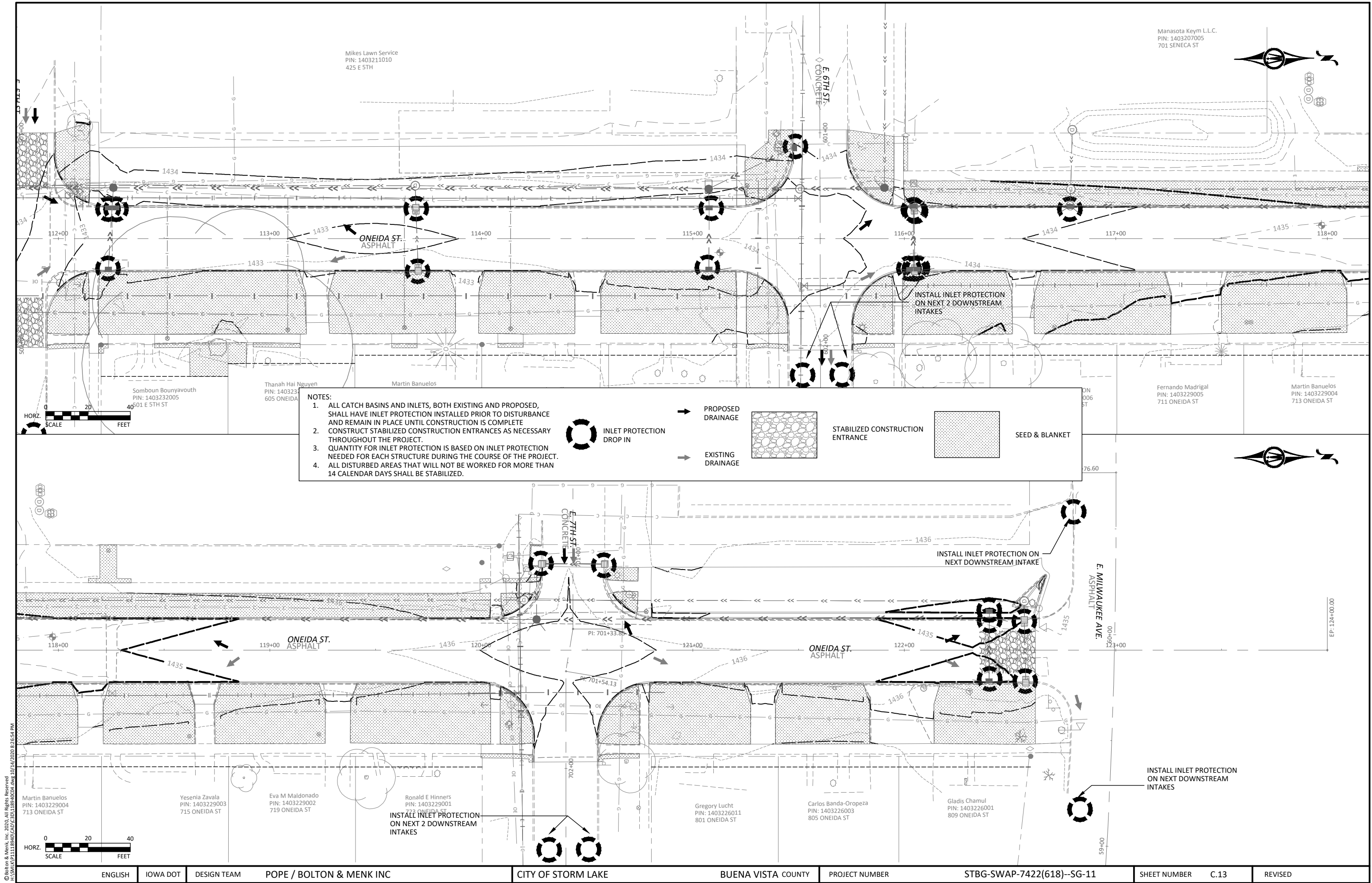


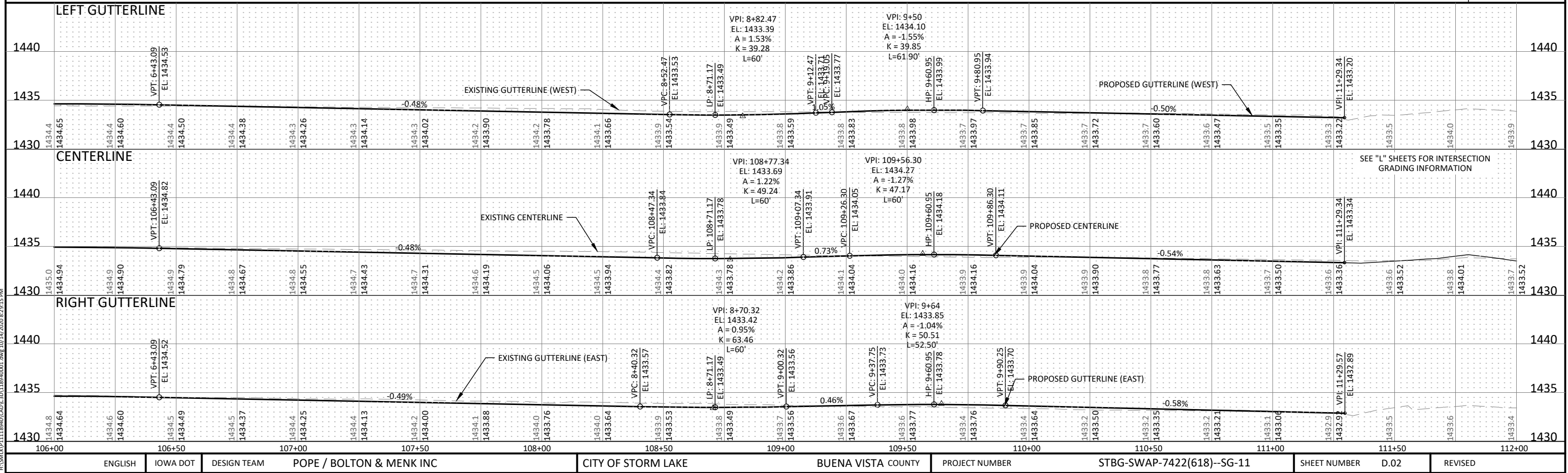
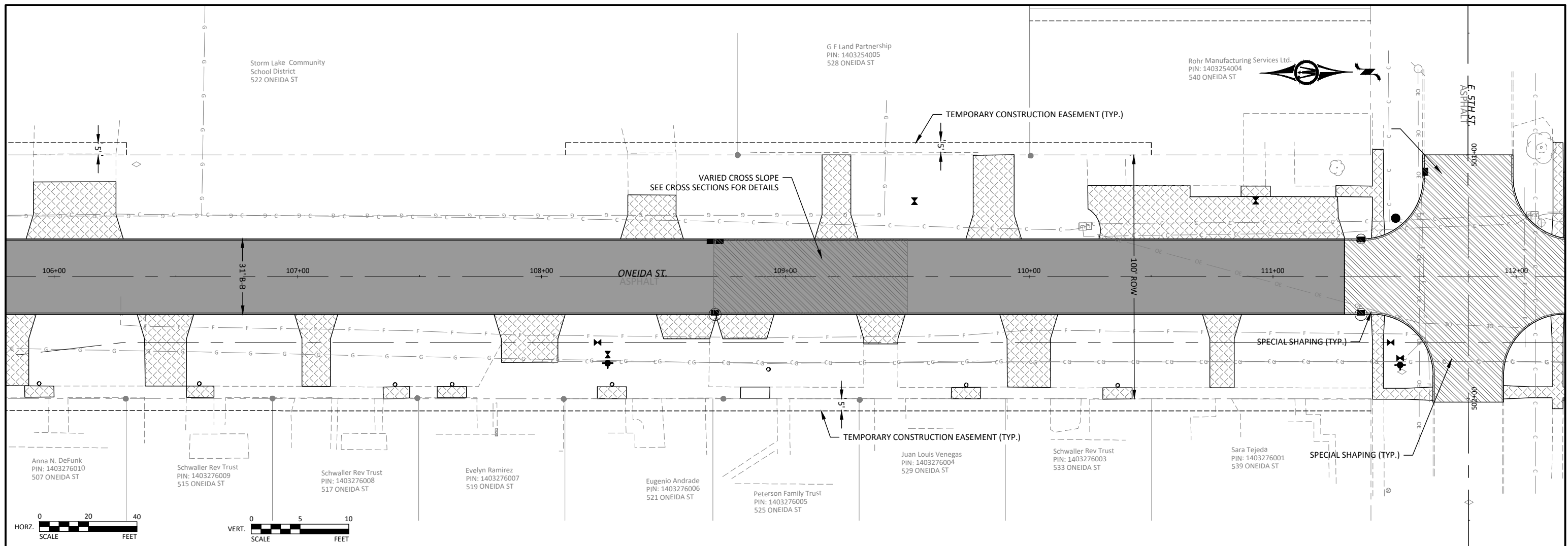
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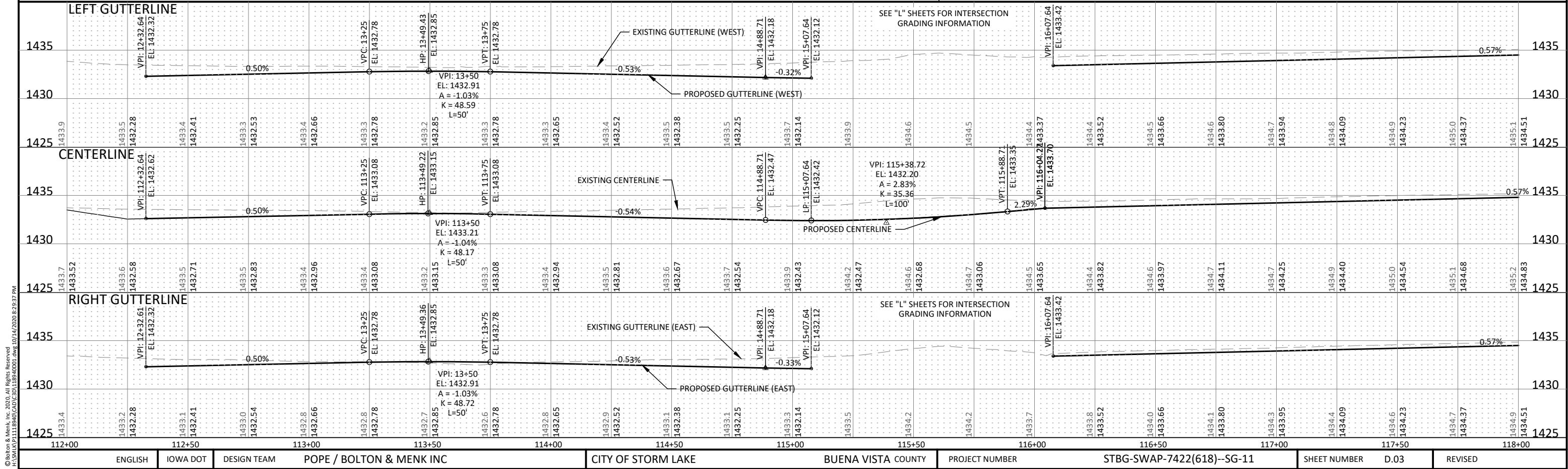
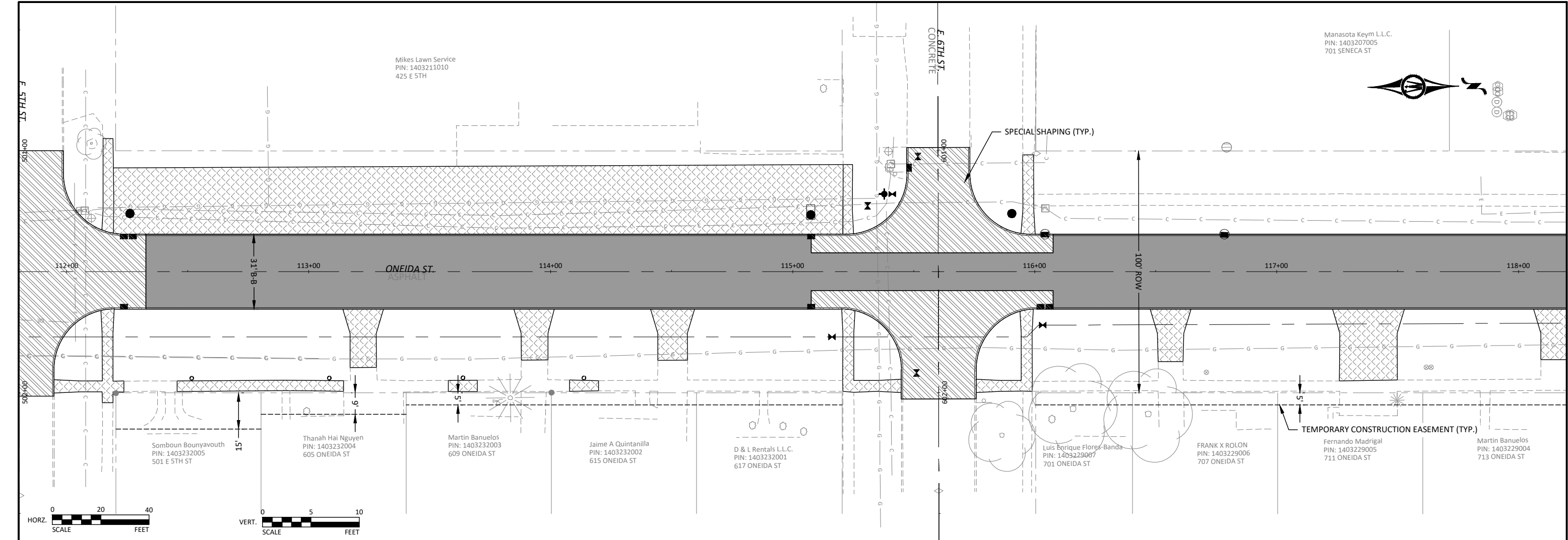


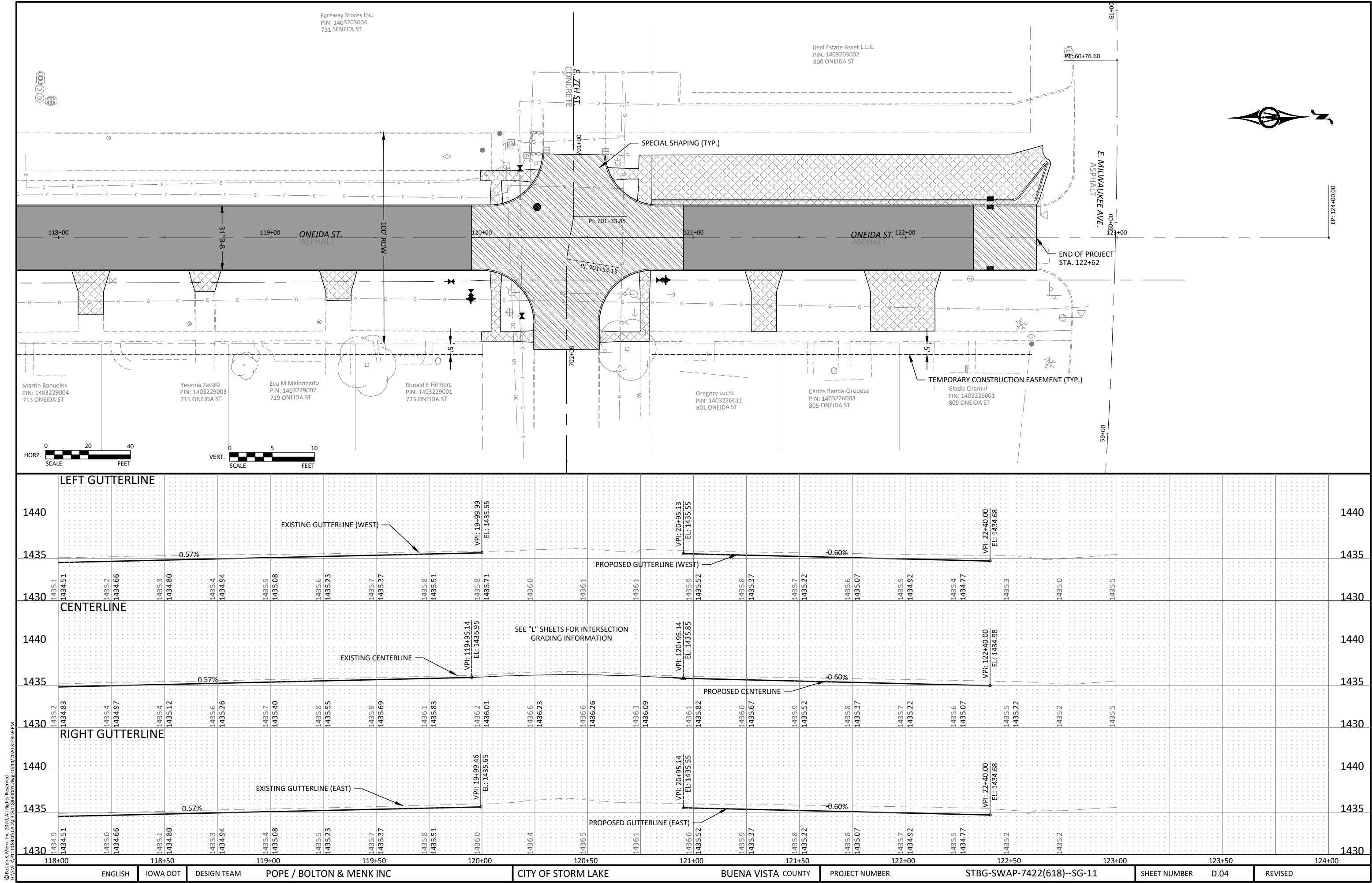
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INSTALL INLET PROTECTION
ON NEXT 2 DOWNSTREAM
INTAKES

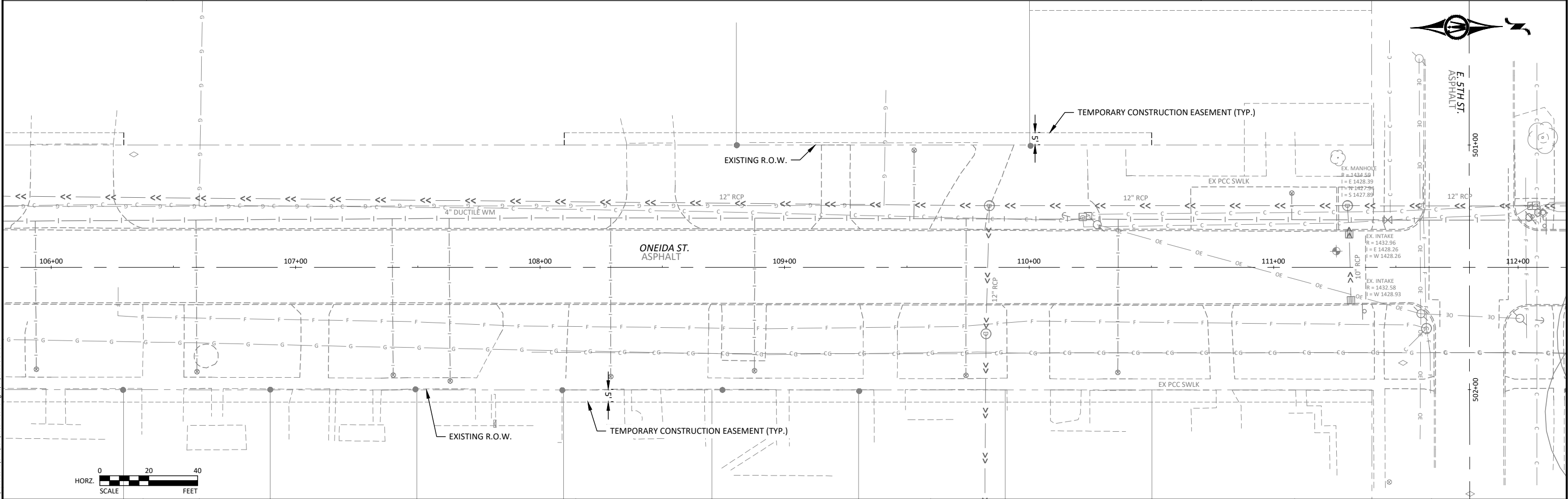
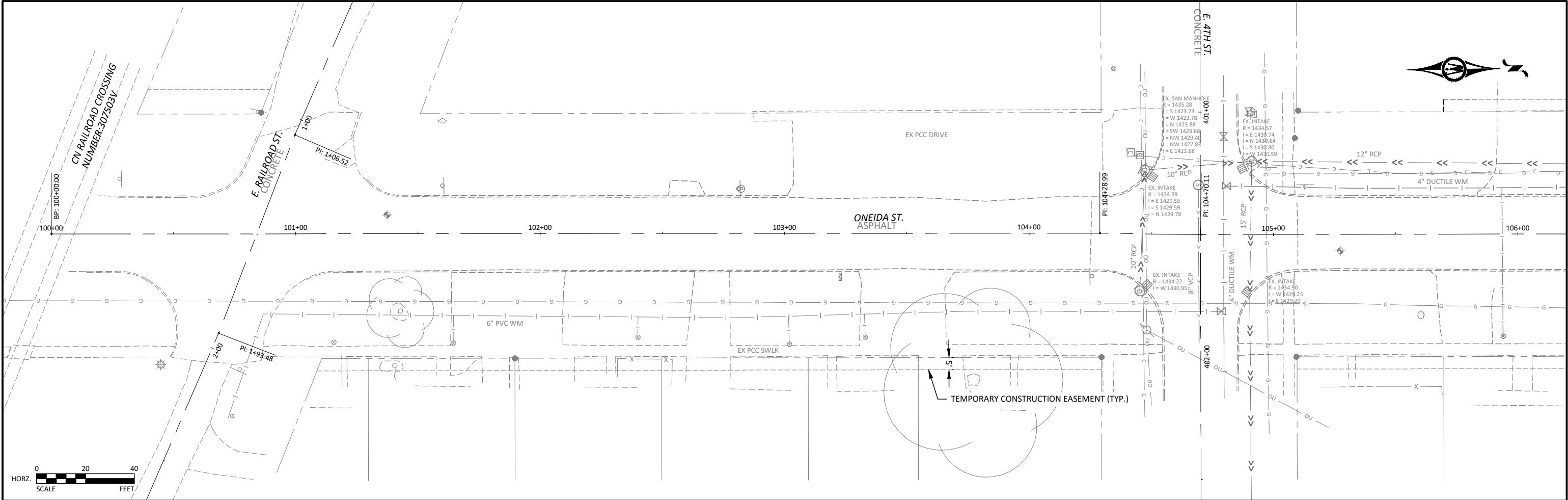




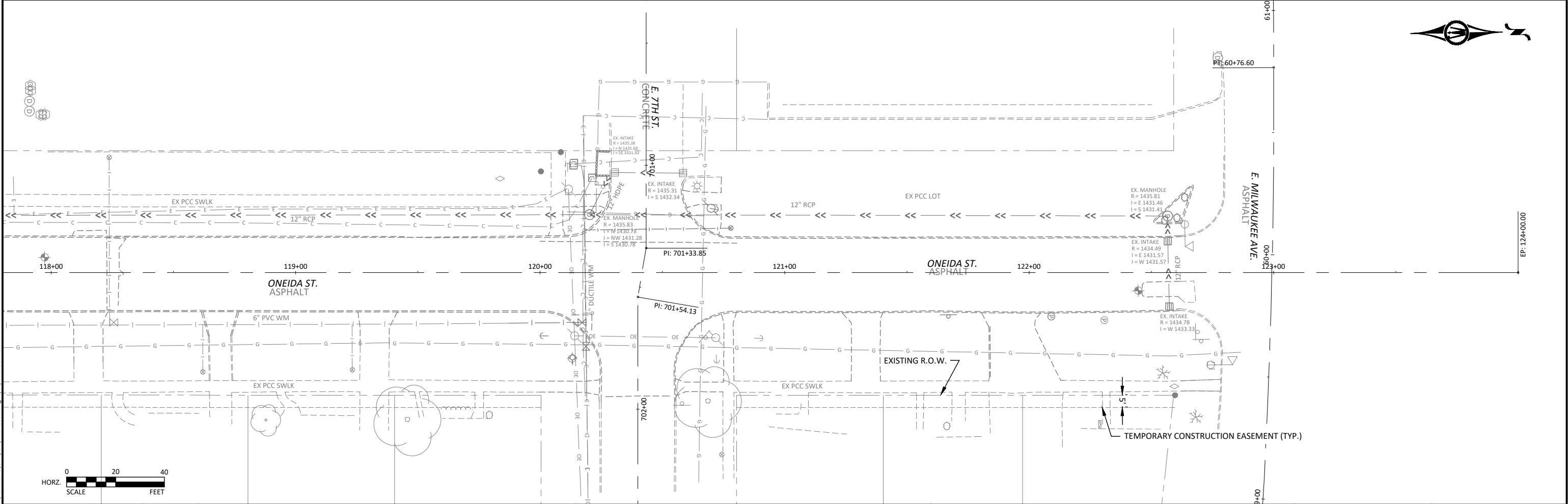
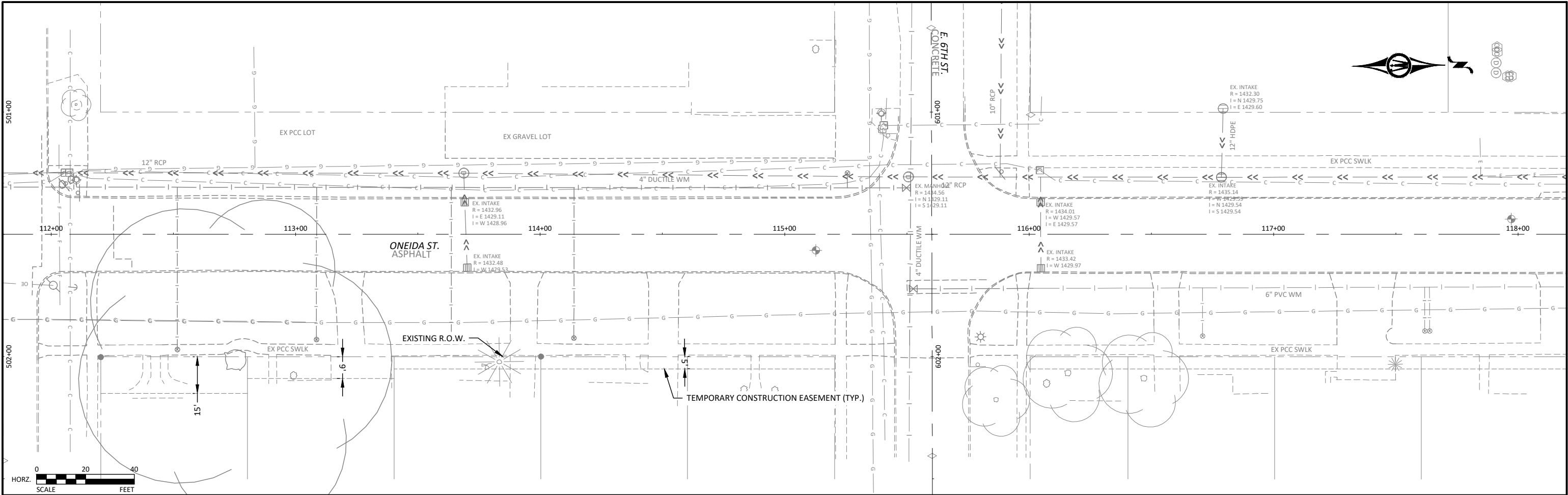




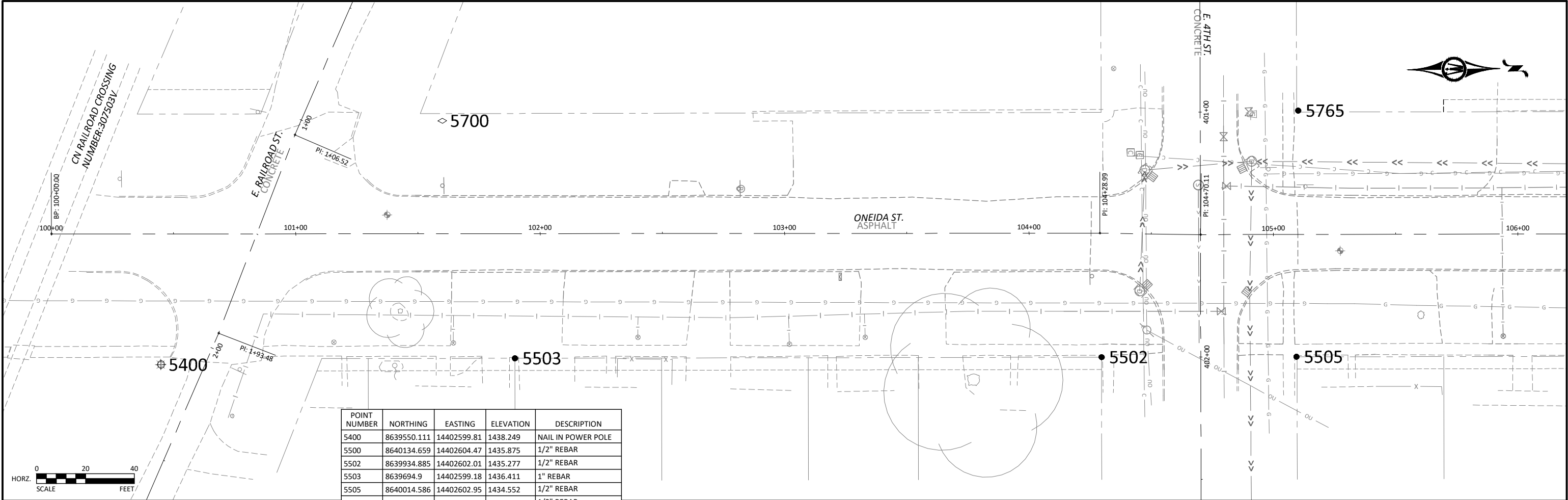
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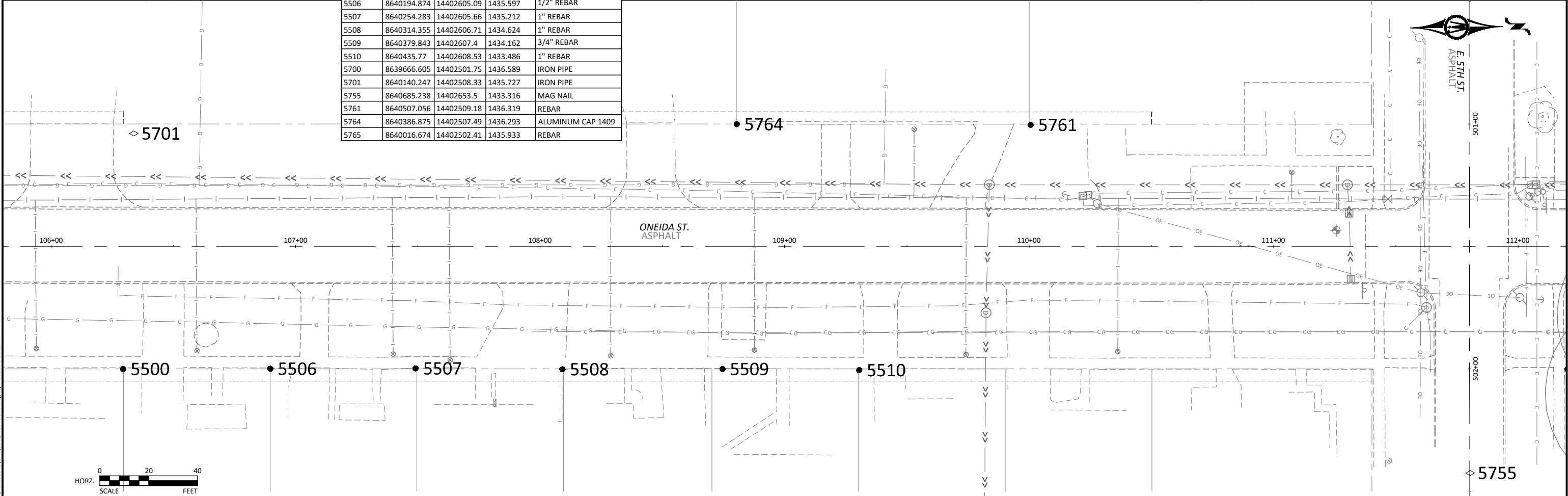
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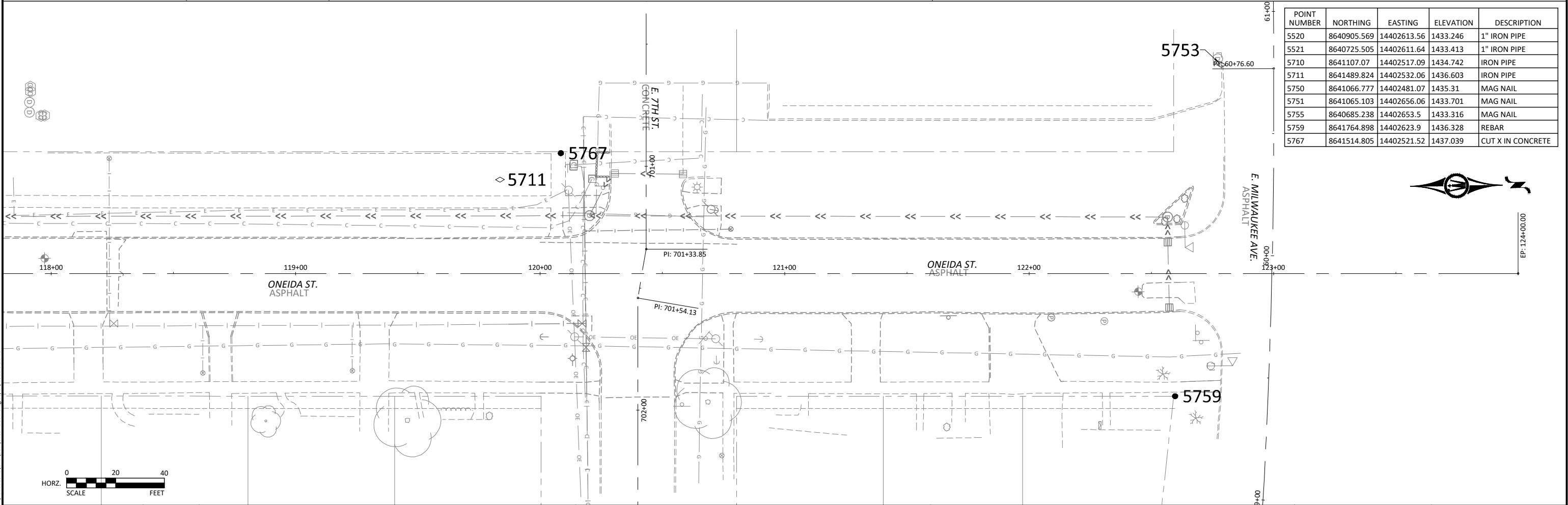
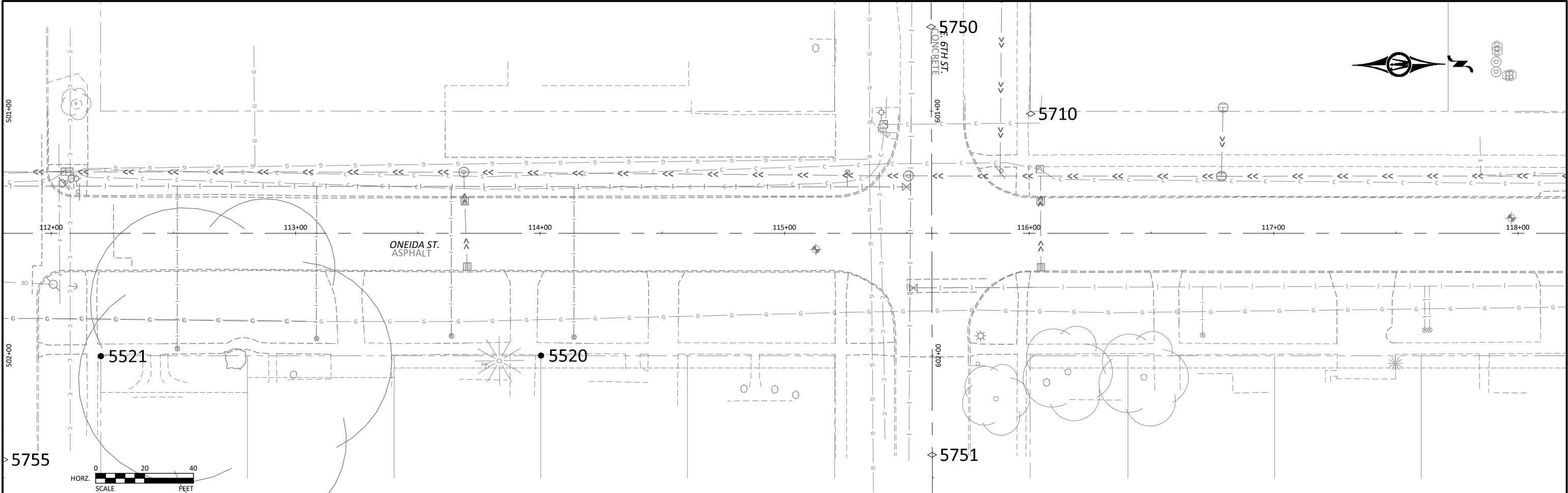
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POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5400	8639550.111	14402599.81	1438.249	NAIL IN POWER POLE
5500	8640134.659	14402604.47	1435.875	1/2" REBAR
5502	8639934.885	14402602.01	1435.277	1/2" REBAR
5503	8639694.9	14402599.18	1436.411	1" REBAR
5505	8640014.586	14402602.95	1434.552	1/2" REBAR
5506	8640194.874	14402605.09	1435.597	1/2" REBAR
5507	8640254.283	14402605.66	1435.212	1" REBAR
5508	8640314.355	14402606.71	1434.624	1" REBAR
5509	8640379.843	14402607.4	1434.162	3/4" REBAR
5510	8640435.77	14402608.53	1433.486	1" REBAR
5700	8639666.605	14402501.75	1436.589	IRON PIPE
5701	8640140.247	14402508.33	1435.727	IRON PIPE
5755	8640685.238	14402653.5	1433.316	MAG NAIL
5761	8640507.056	14402509.18	1436.319	REBAR
5764	8640386.875	14402507.49	1436.293	ALUMINUM CAP 1409
5765	8640016.674	14402502.41	1435.933	REBAR



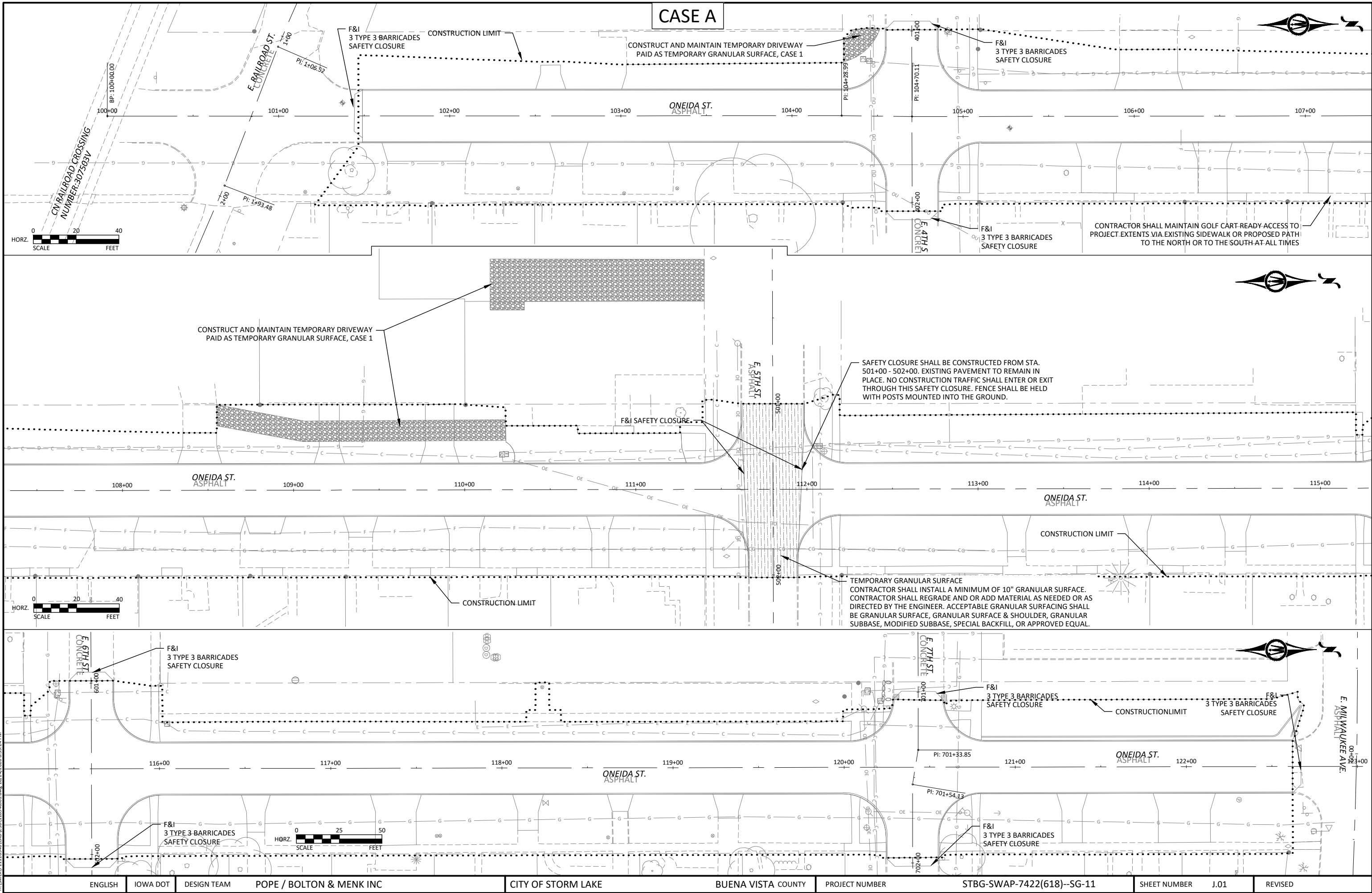
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POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5520	8640905.569	14402613.56	1433.246	1" IRON PIPE
5521	8640725.505	14402611.64	1433.413	1" IRON PIPE
5710	8641107.07	14402517.09	1434.742	IRON PIPE
5711	8641489.824	14402532.06	1436.603	IRON PIPE
5750	8641066.777	14402481.07	1435.31	MAG NAIL
5751	8641065.103	14402656.06	1433.701	MAG NAIL
5755	8640685.238	14402653.5	1433.316	MAG NAIL
5759	8641764.898	14402623.9	1436.328	REBAR
5767	8641514.805	14402521.52	1437.039	CUT X IN CONCRETE

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CASE A



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DESIGN TEAM
POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

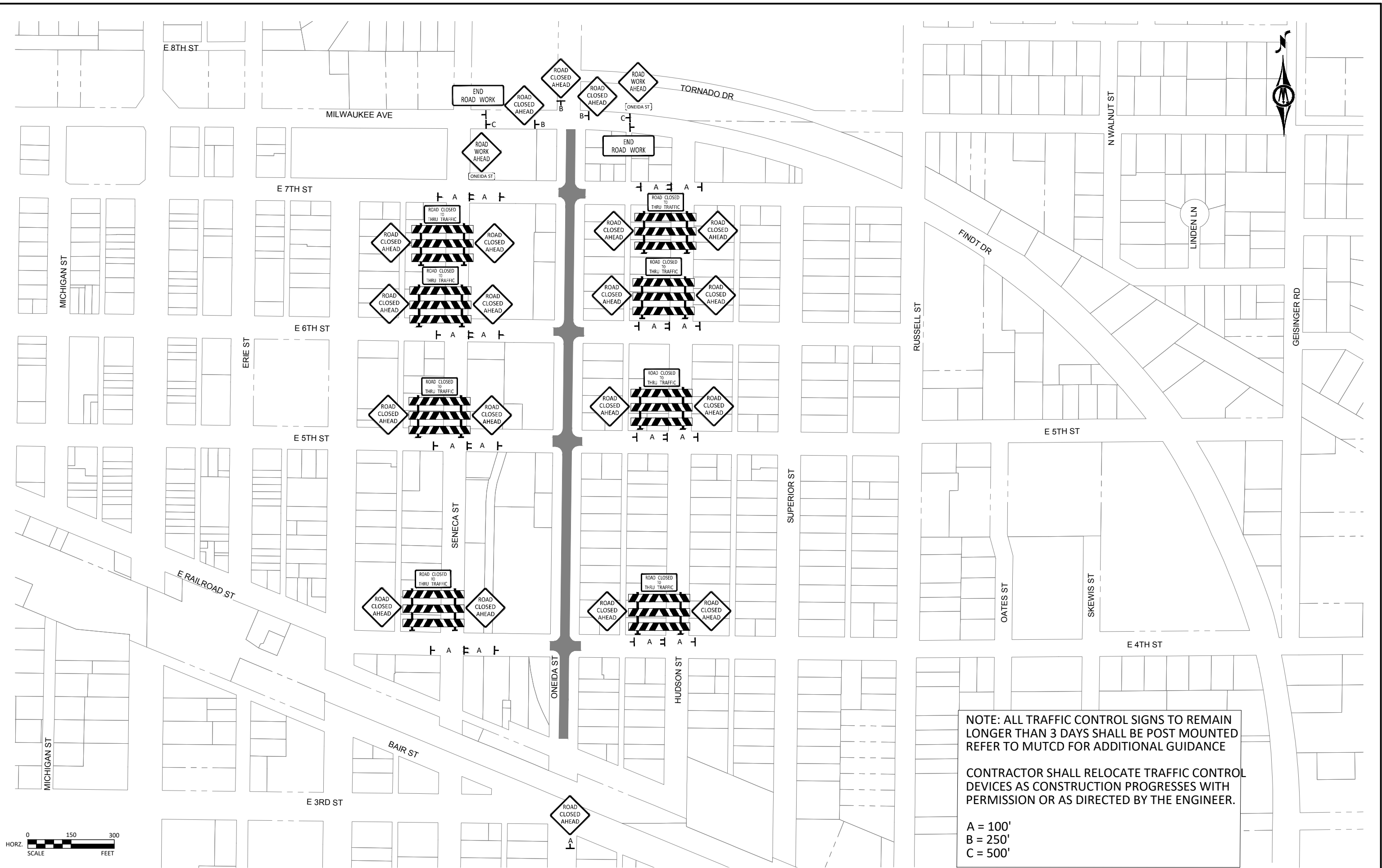
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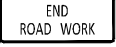
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SHEET NUMBER
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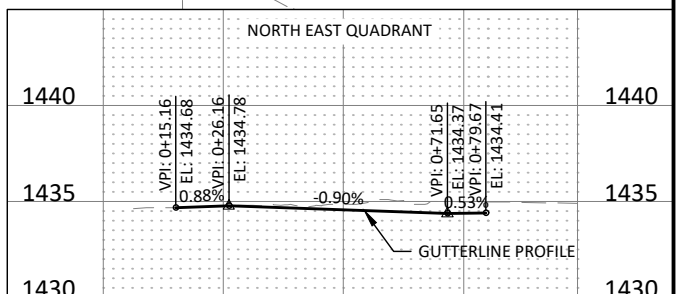
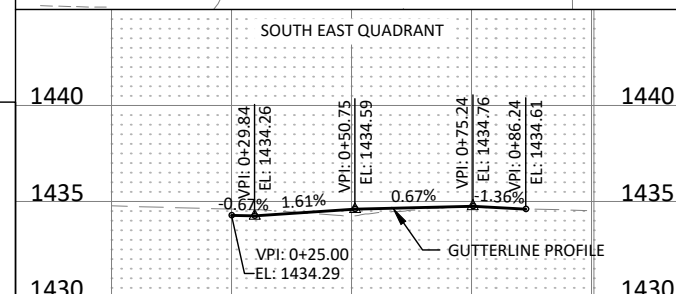
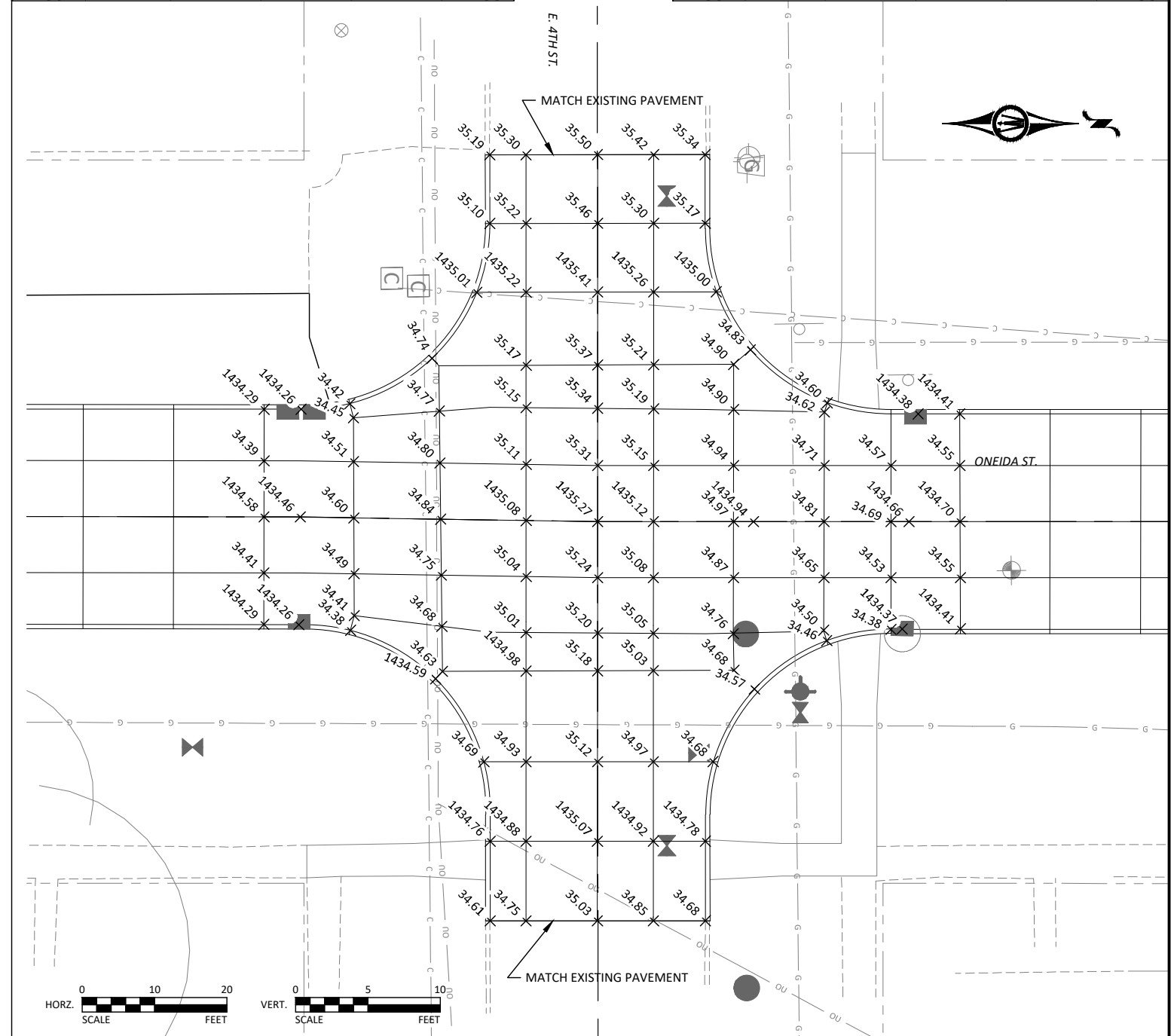
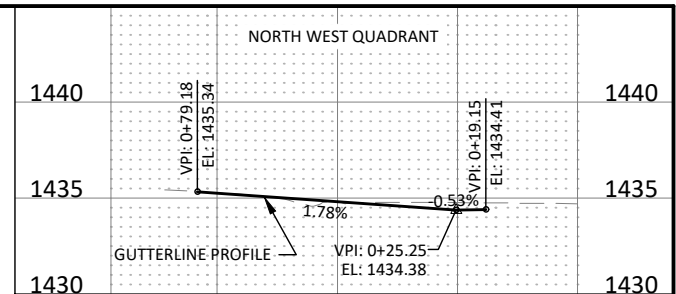
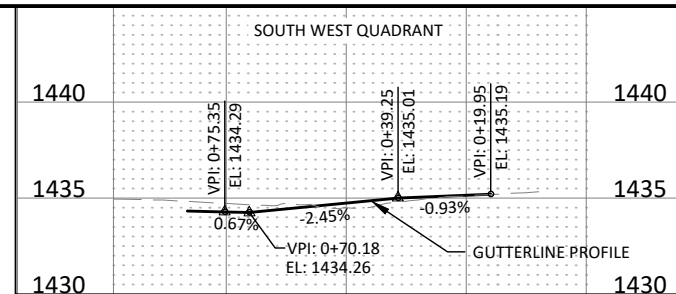
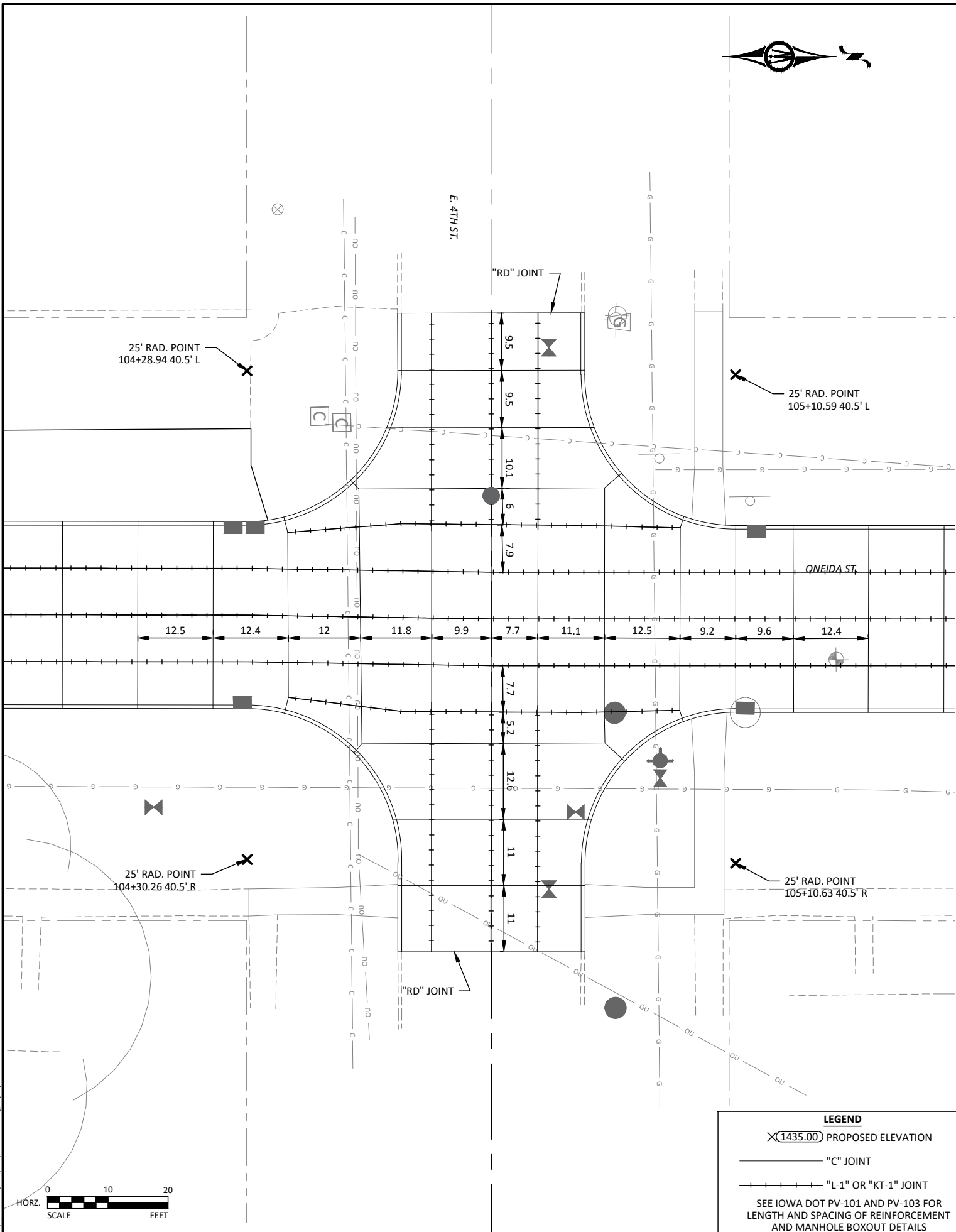
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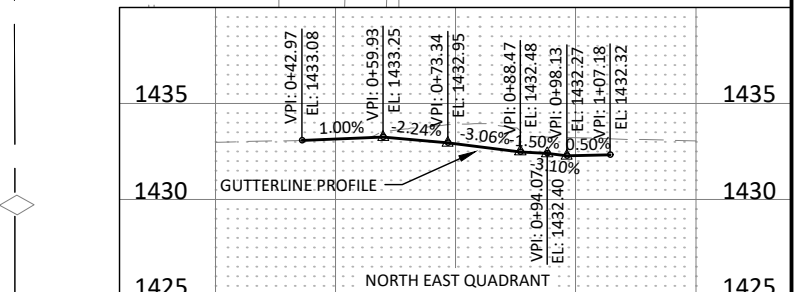
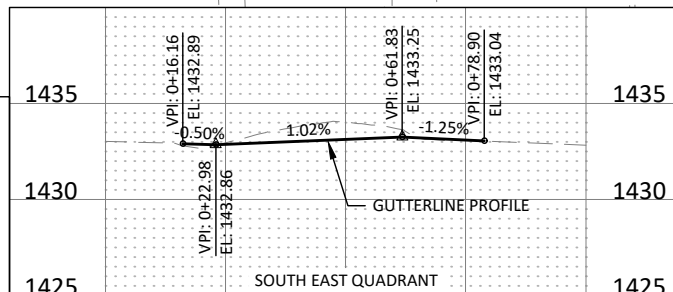
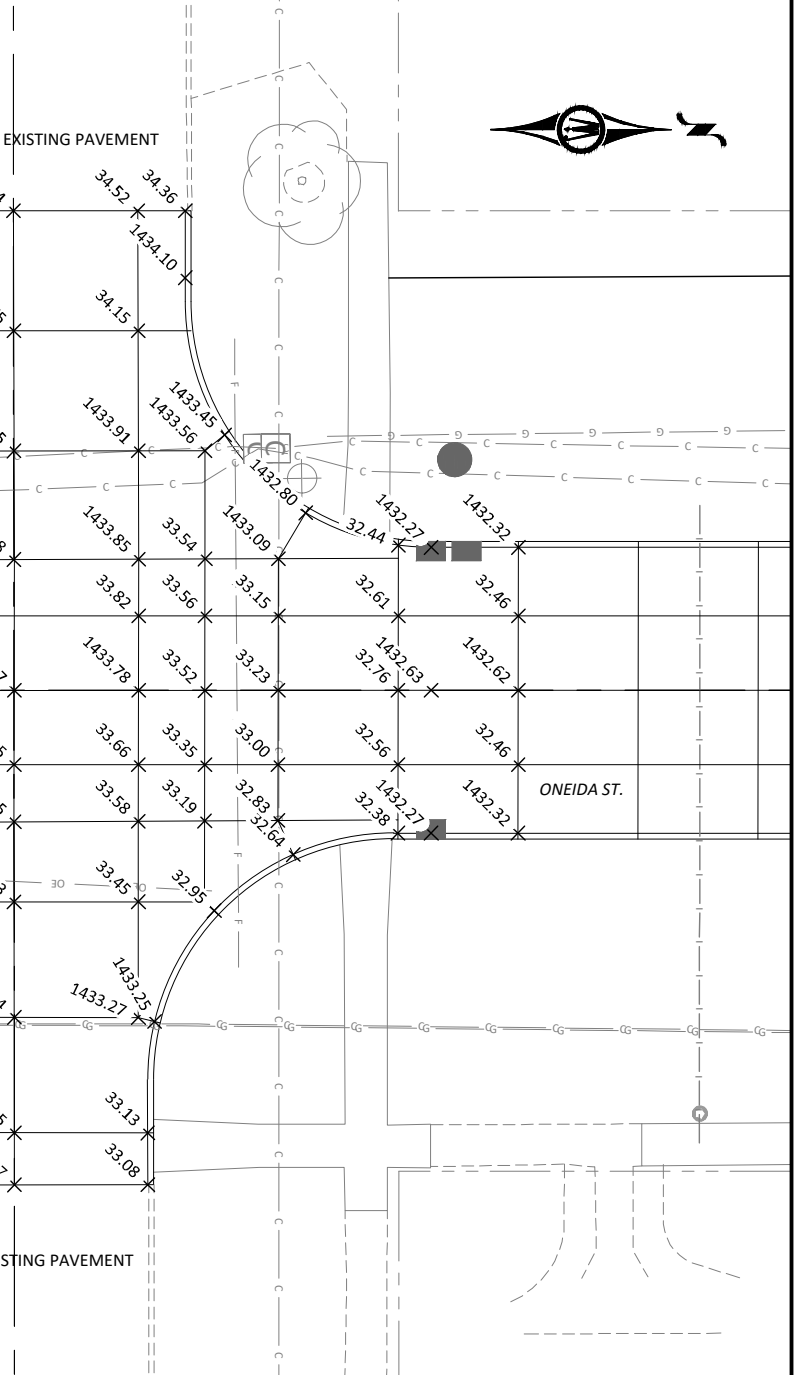
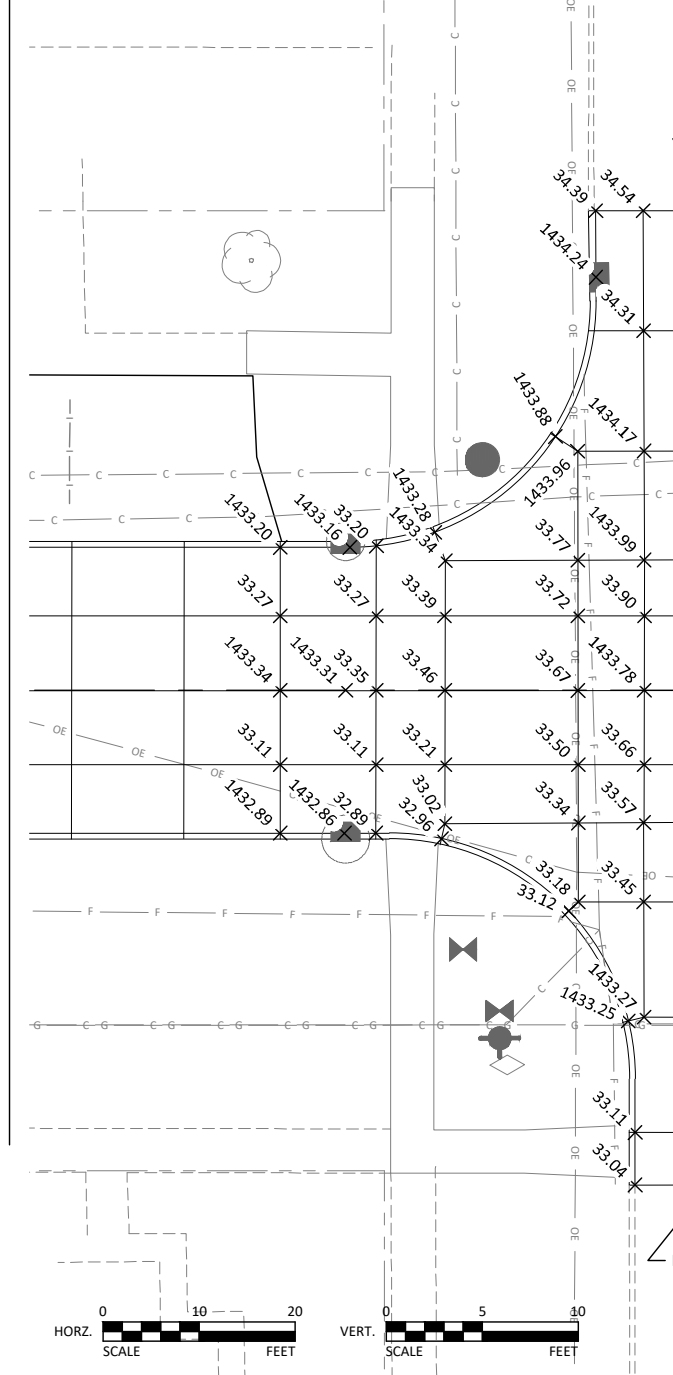
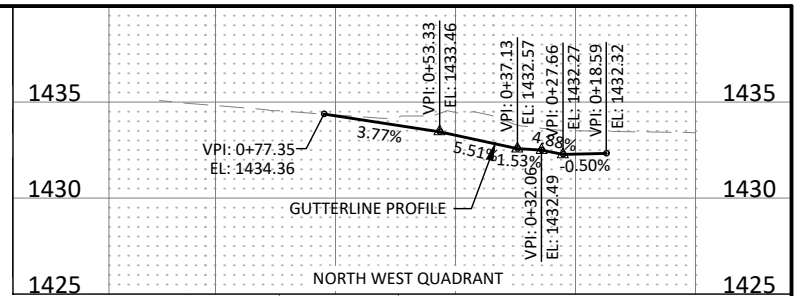
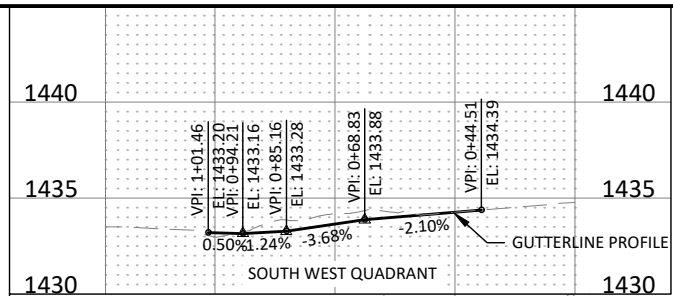
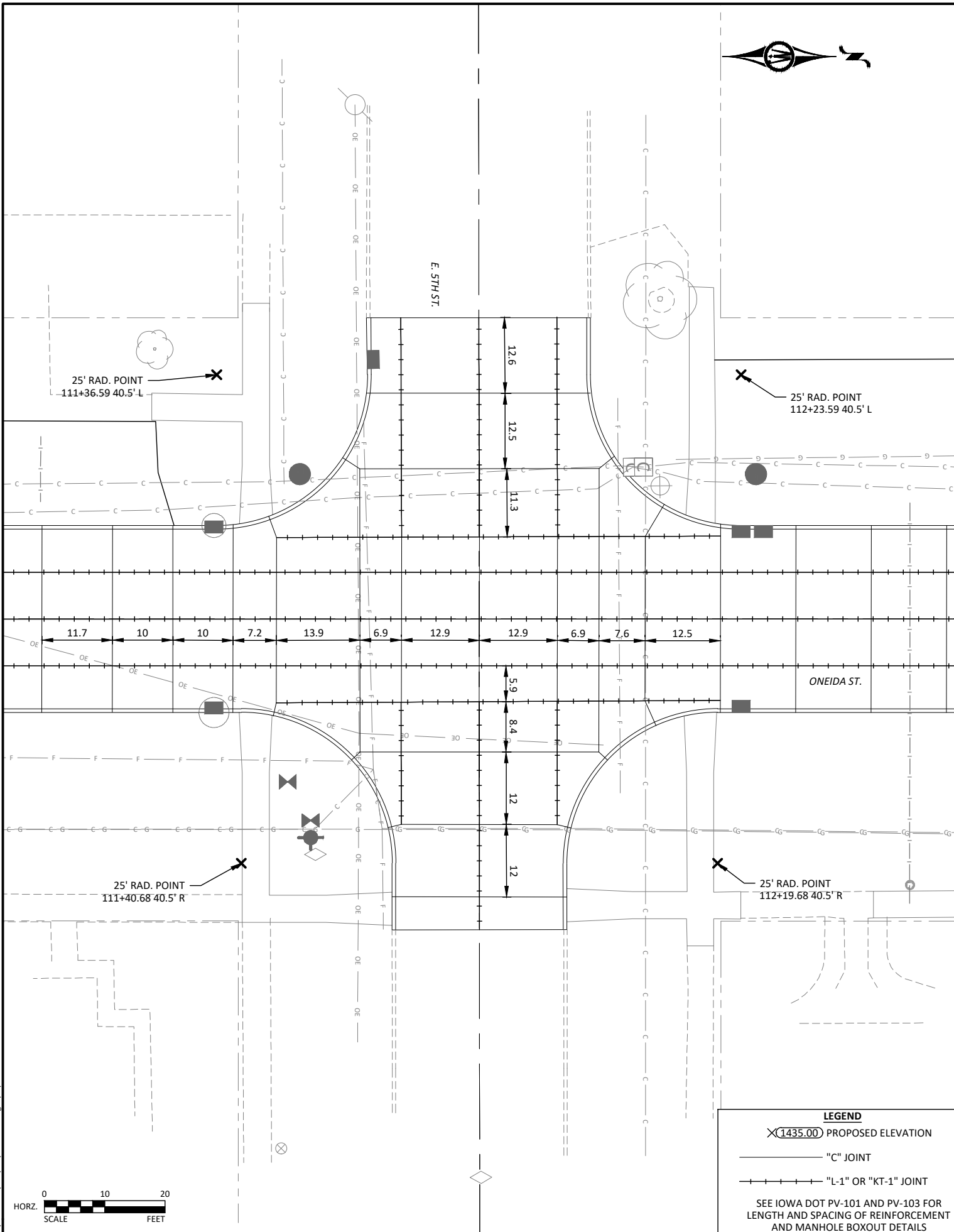
TRAFFIC CONTROL SIGN TABULATIONS				
SIGN	SIGN NO.	COLOR	SIZE	QUANTITY
	R11-4	BLACK ON WHITE	48" X 30"	12 (1)
	R11-X1	BLACK ON WHITE	30" X 18"	17
	R11-2	BLACK ON WHITE	48" X 30"	10
	T3-3	WHITE ON ORANGE	72" X 6"	56 (1)
	W20-1	BLACK ON ORANGE	48" X 48"	2
	W20-2	BLACK ON ORANGE	48" X 48"	8
	W20-3	BLACK ON ORANGE	48" X 48"	20
	G20-2	BLACK ON ORANGE	60" X 24"	2
	CUSTOM	BLACK ON WHITE	24" X 6"	10
	CUSTOM	BLACK ON WHITE	24" X 6"	10
	CUSTOM	BLACK ON WHITE	24" X 6"	2
	M4-9L	BLACK ON ORANGE	30" X 24"	4
	M4-9R	BLACK ON ORANGE	30" X 24"	5
	M4-9T	BLACK ON ORANGE	30" X 24"	12

(1) ADDITIONAL QUANTITY AS DESCRIBED IN ESTIMATE REFERENCE INFORMATION NOTE FOR ITEM 47

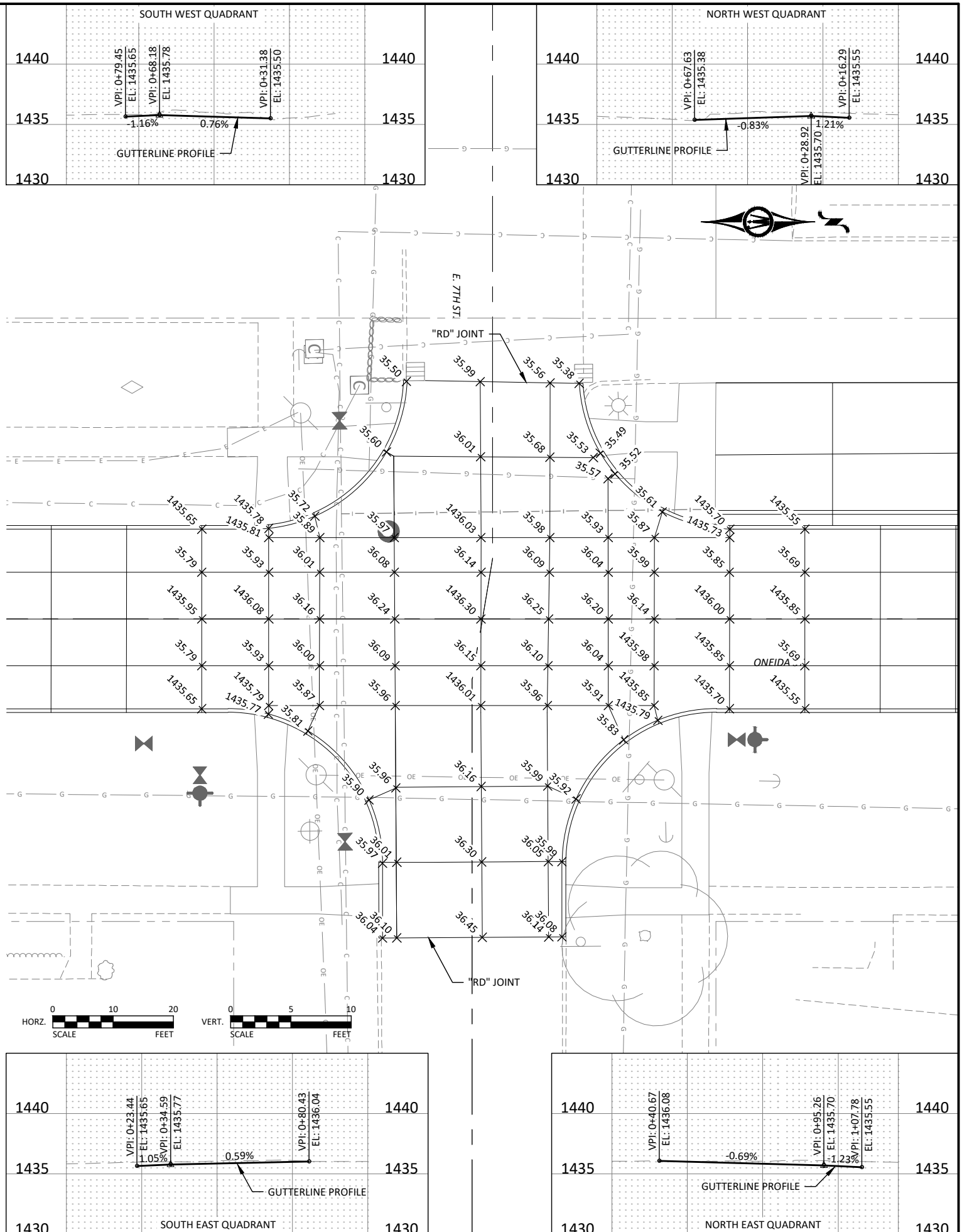
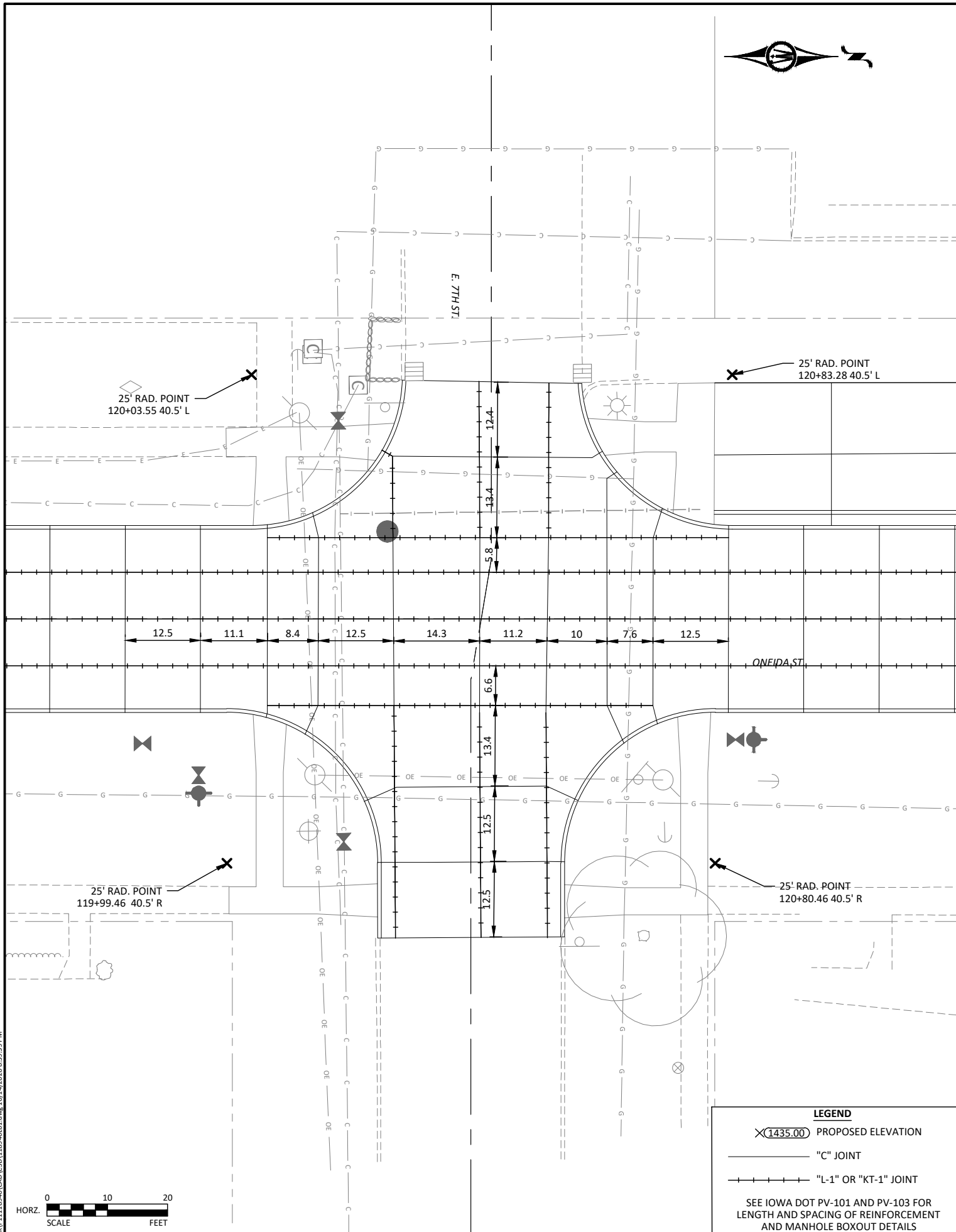
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CITY OF STORM LAKE

BUENA VISTA COUNTY

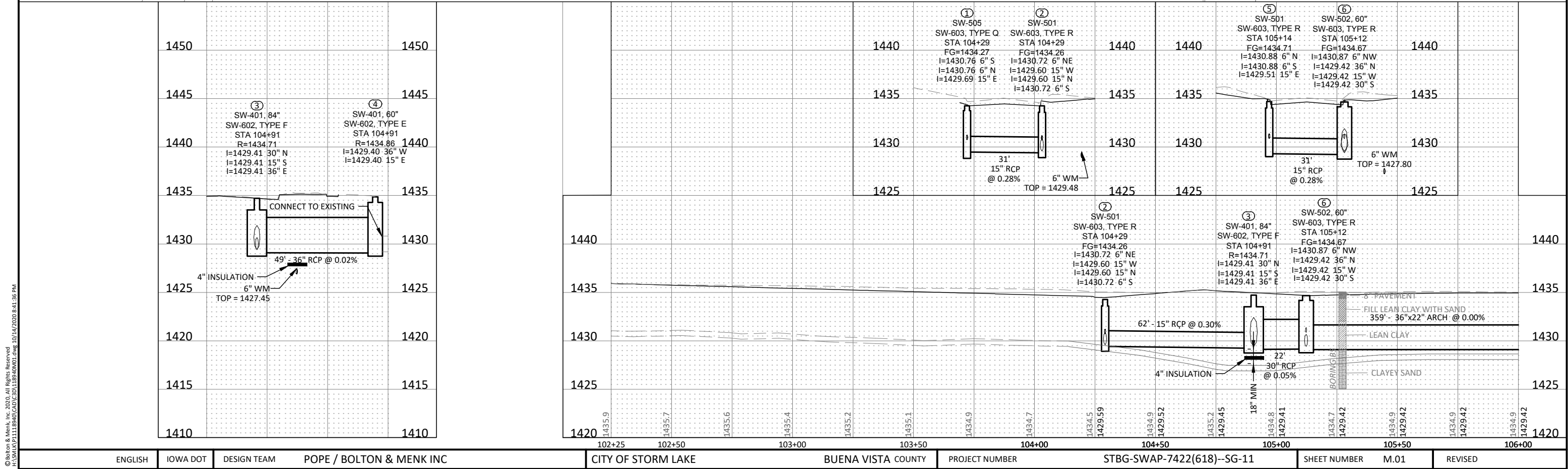
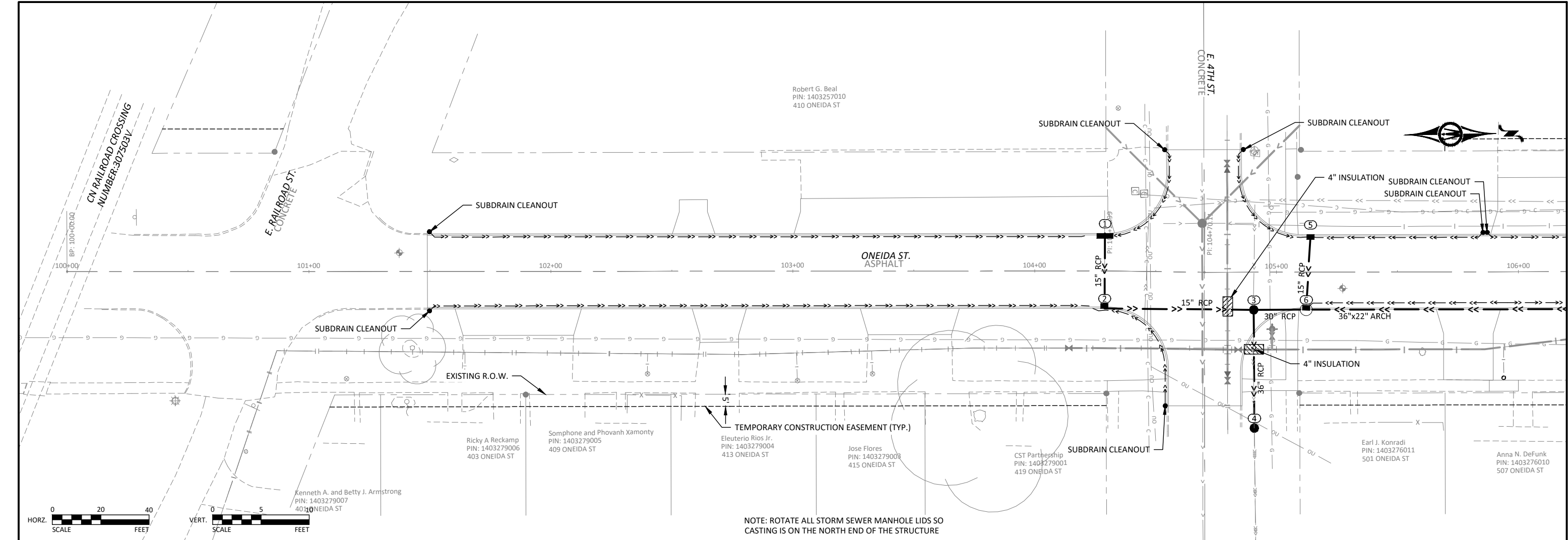
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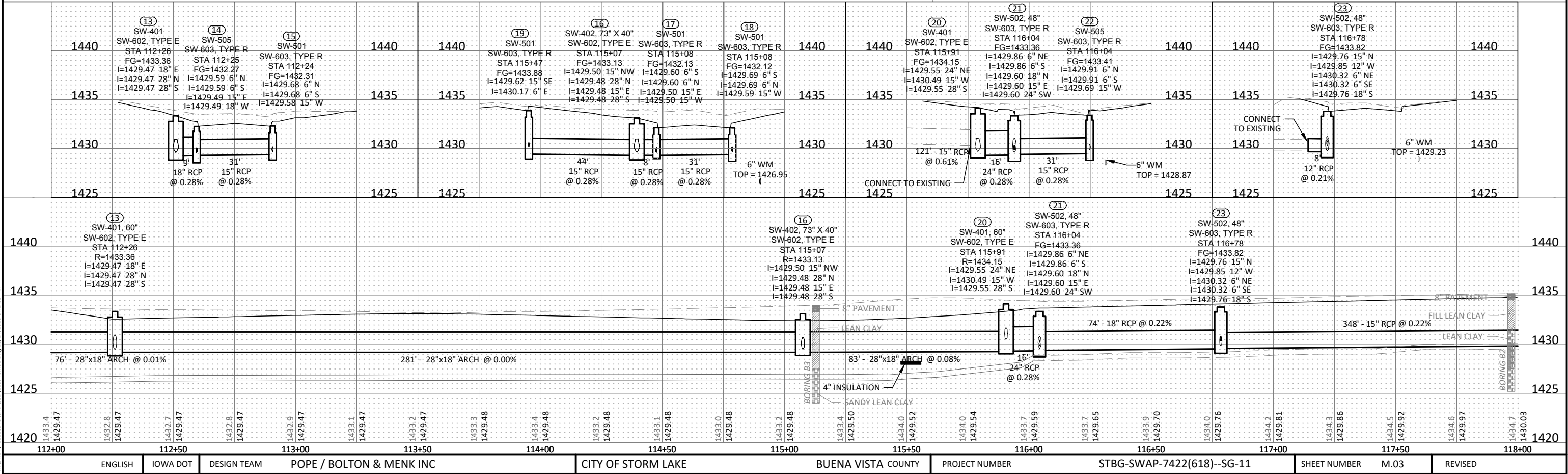
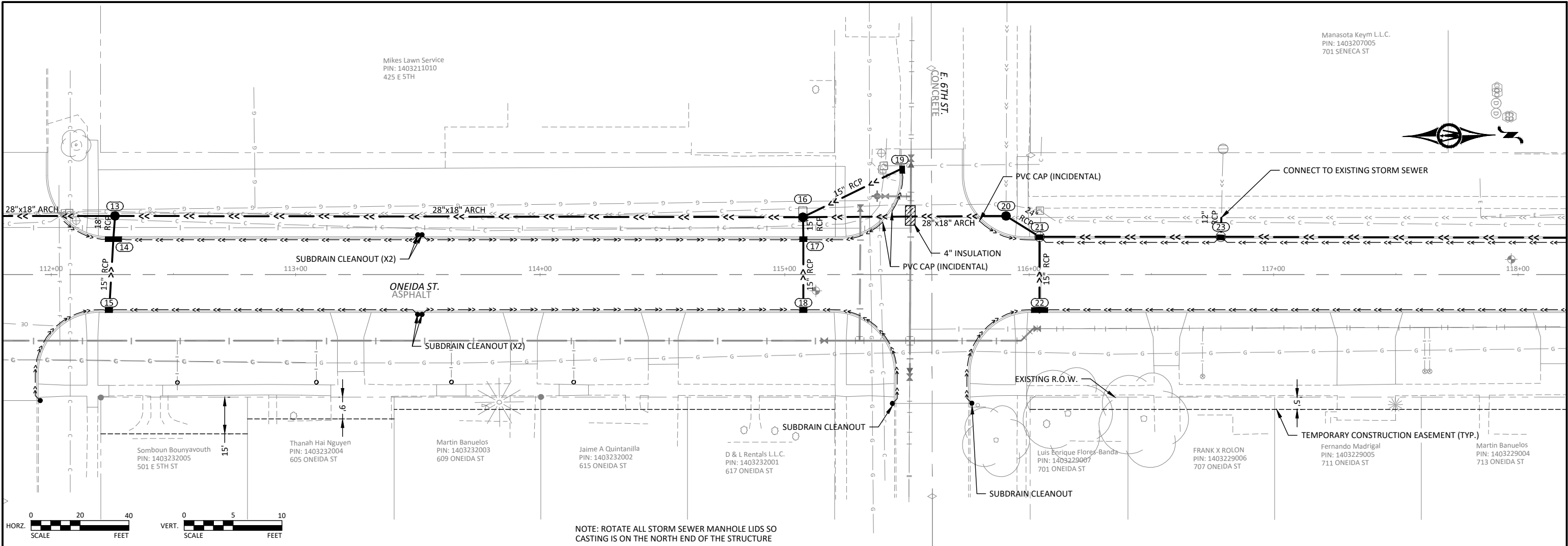
SHEET NUMBER L.04

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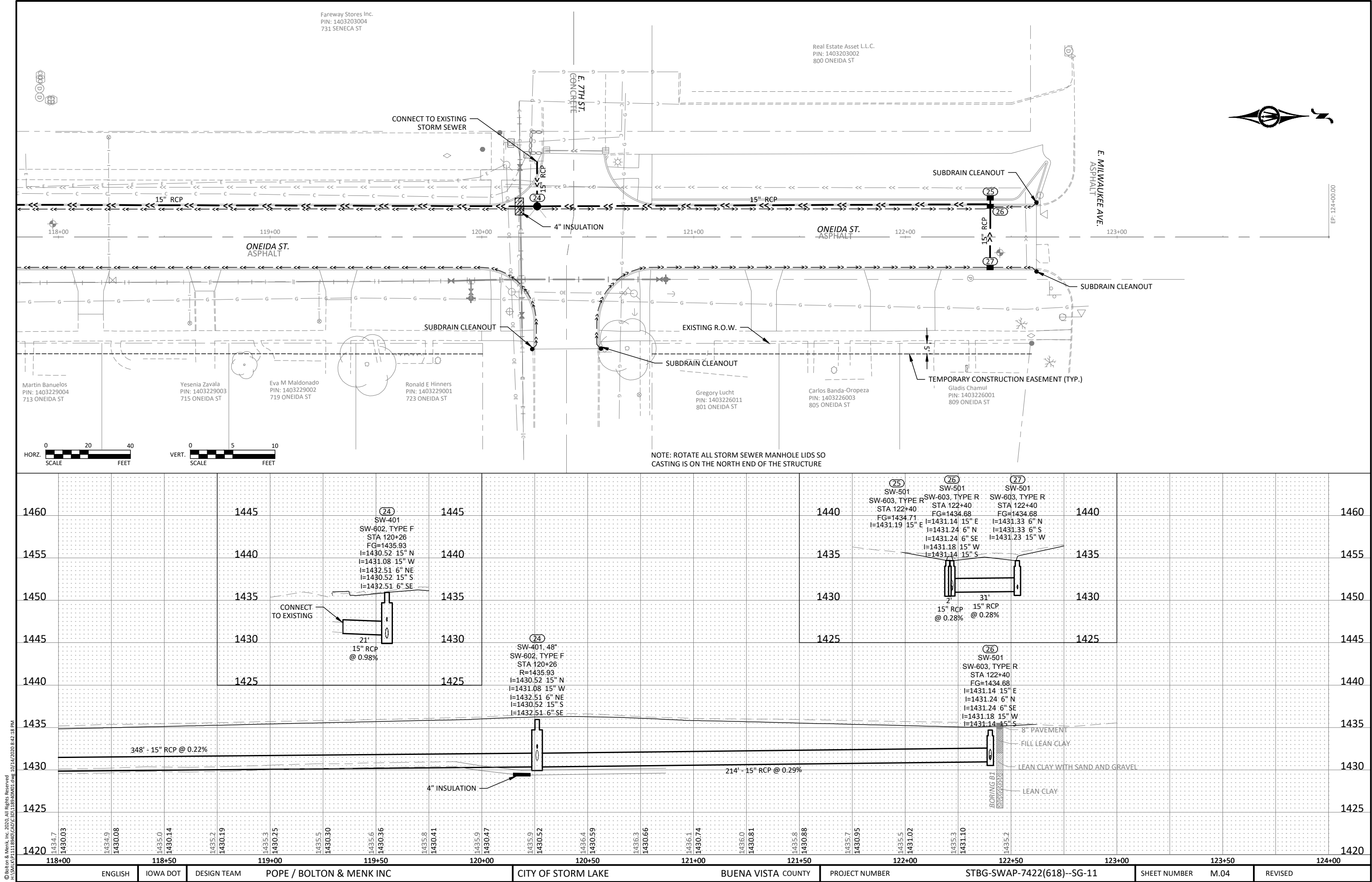




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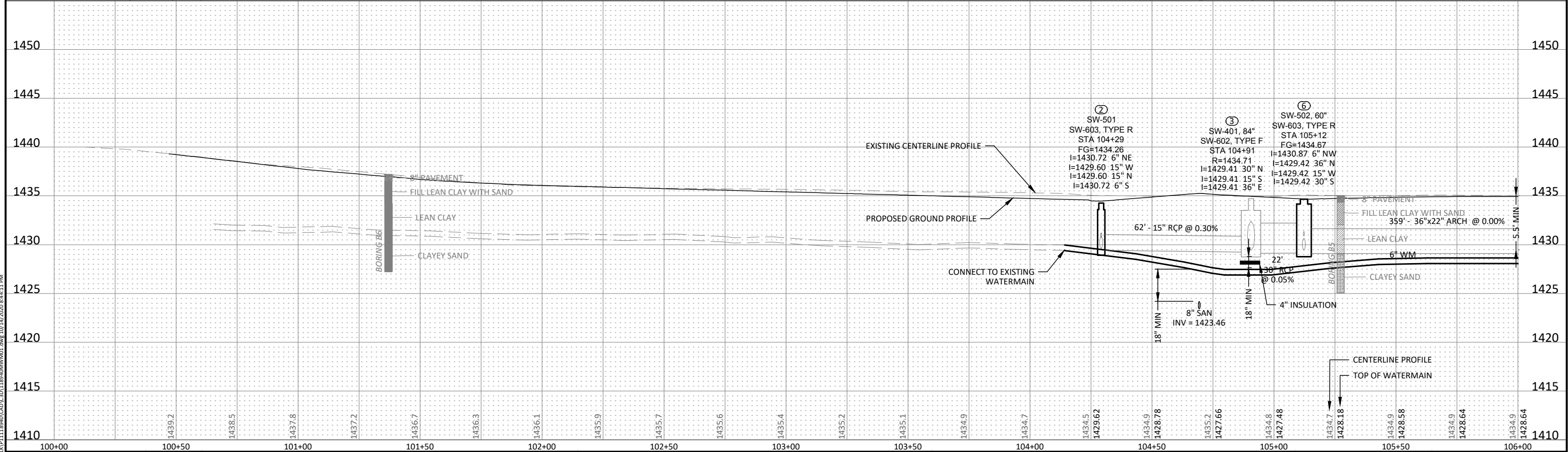
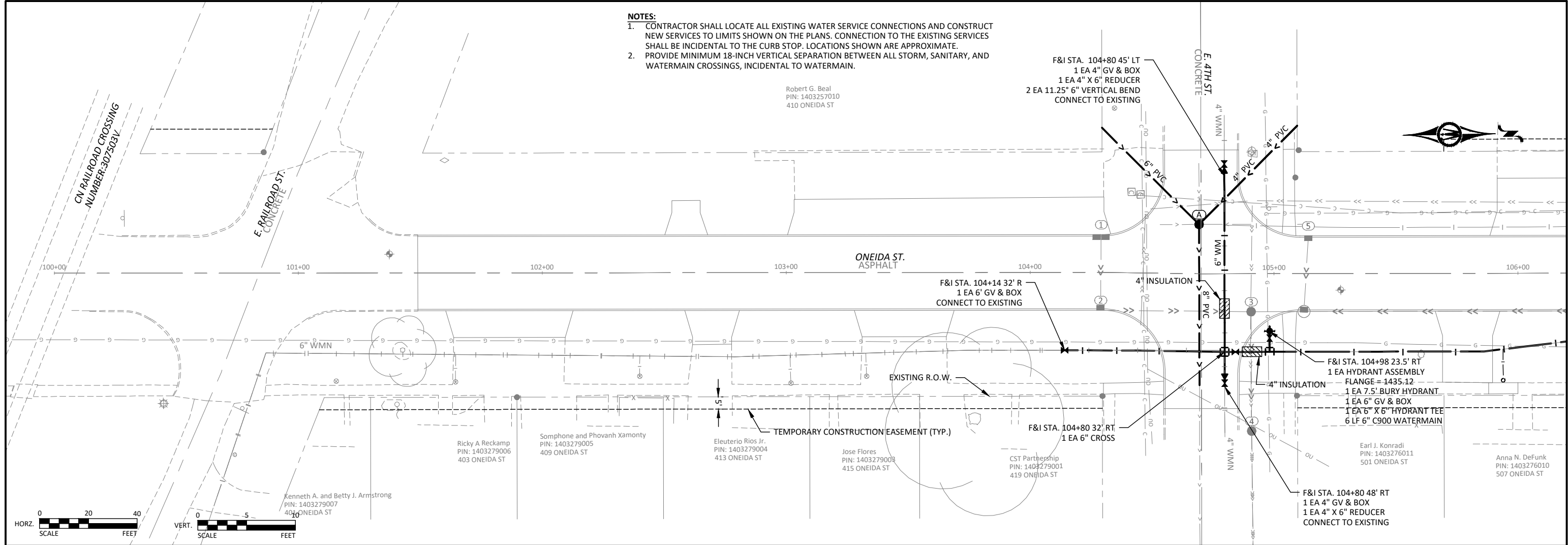


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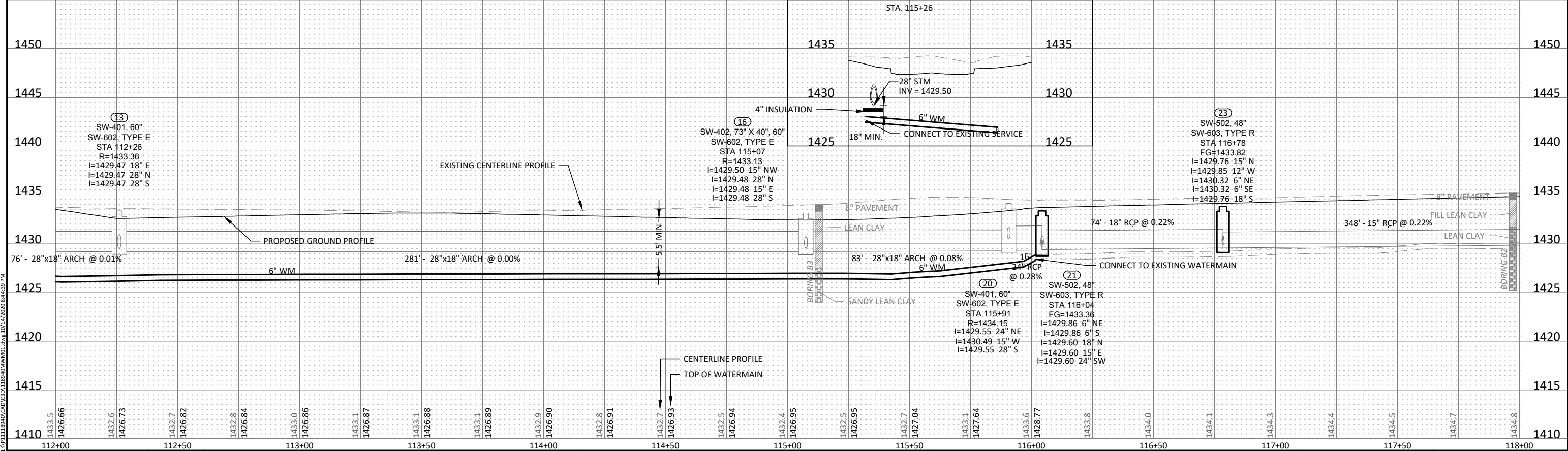
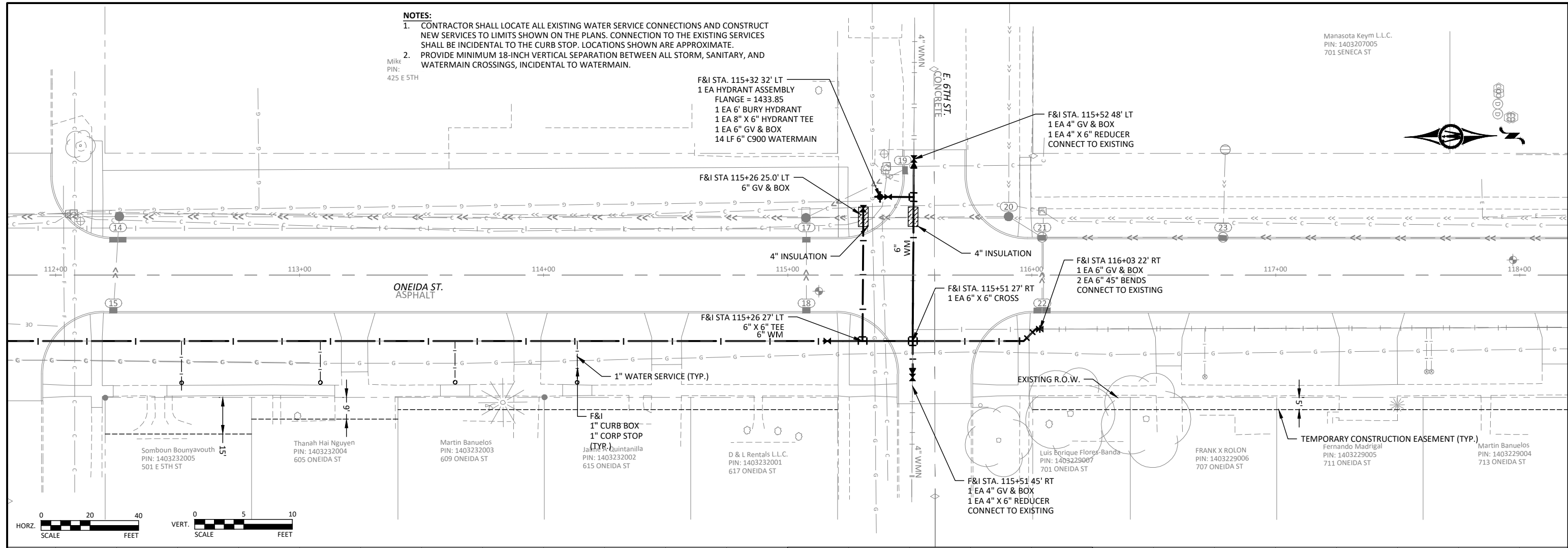
- NOTES:
- CONTRACTOR SHALL LOCATE ALL EXISTING WATER SERVICE CONNECTIONS AND CONSTRUCT NEW SERVICES TO LIMITS SHOWN ON THE PLANS. CONNECTION TO THE EXISTING SERVICES SHALL BE INCIDENTAL TO THE CURB STOP. LOCATIONS SHOWN ARE APPROXIMATE.
 - PROVIDE MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN ALL STORM, SANITARY, AND WATERMAIN CROSSINGS, INCIDENTAL TO WATERMAIN.



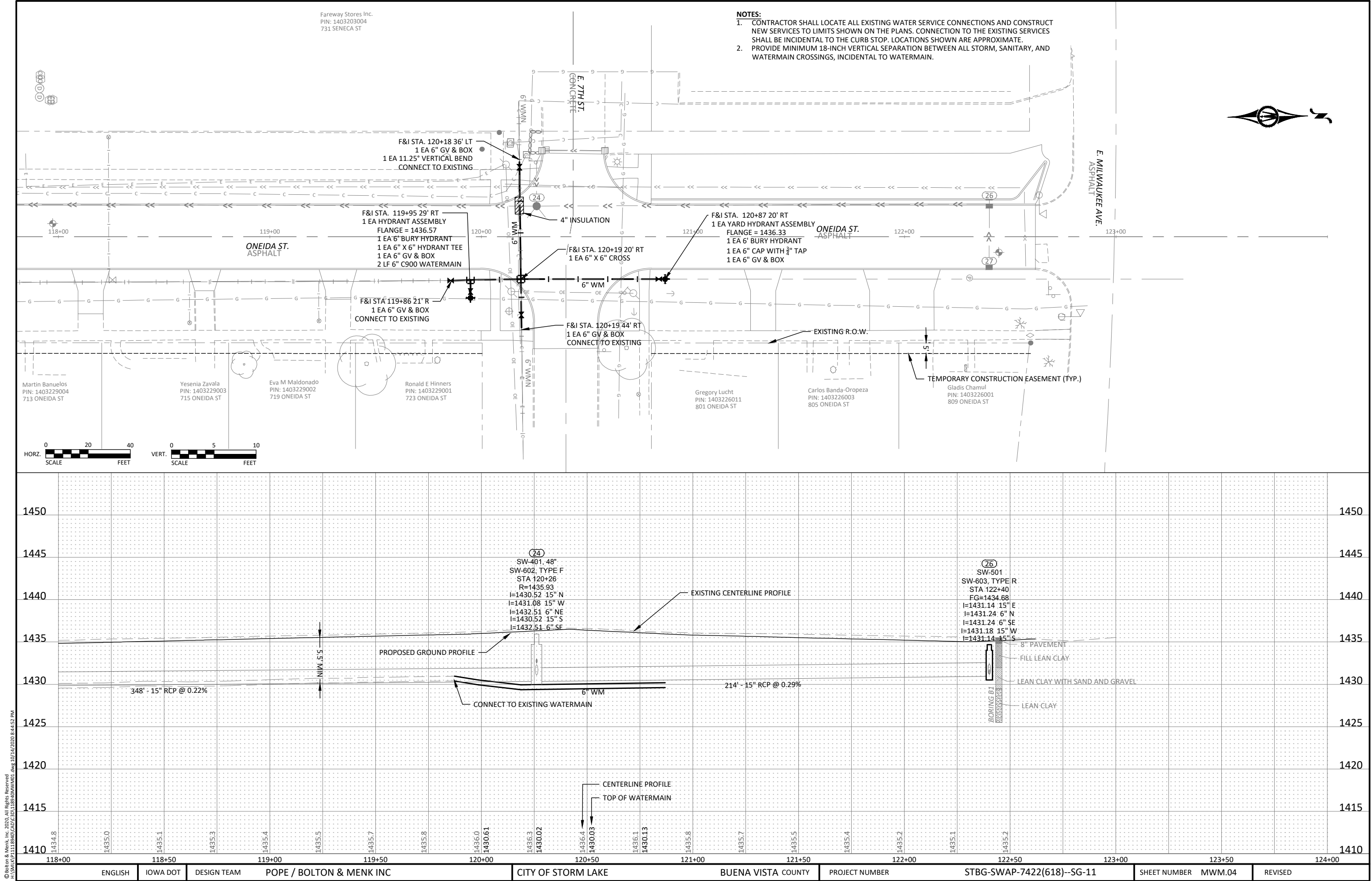
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- NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING WATER SERVICE CONNECTIONS AND CONSTRUCT NEW SERVICES TO LIMITS SHOWN ON THE PLANS. CONNECTION TO THE EXISTING SERVICES SHALL BE INCIDENTAL TO THE CURB STOP. LOCATIONS SHOWN ARE APPROXIMATE.
 2. PROVIDE MINIMUM 18-INCH VERTICAL SEPARATION BETWEEN ALL STORM, SANITARY, AND WATERMAIN CROSSINGS, INCIDENTAL TO WATERMAIN.
- Mike
PIN: 425 E 5TH

Manasota Keyrm L.L.C.
PIN: 1403207005
701 SENECA ST

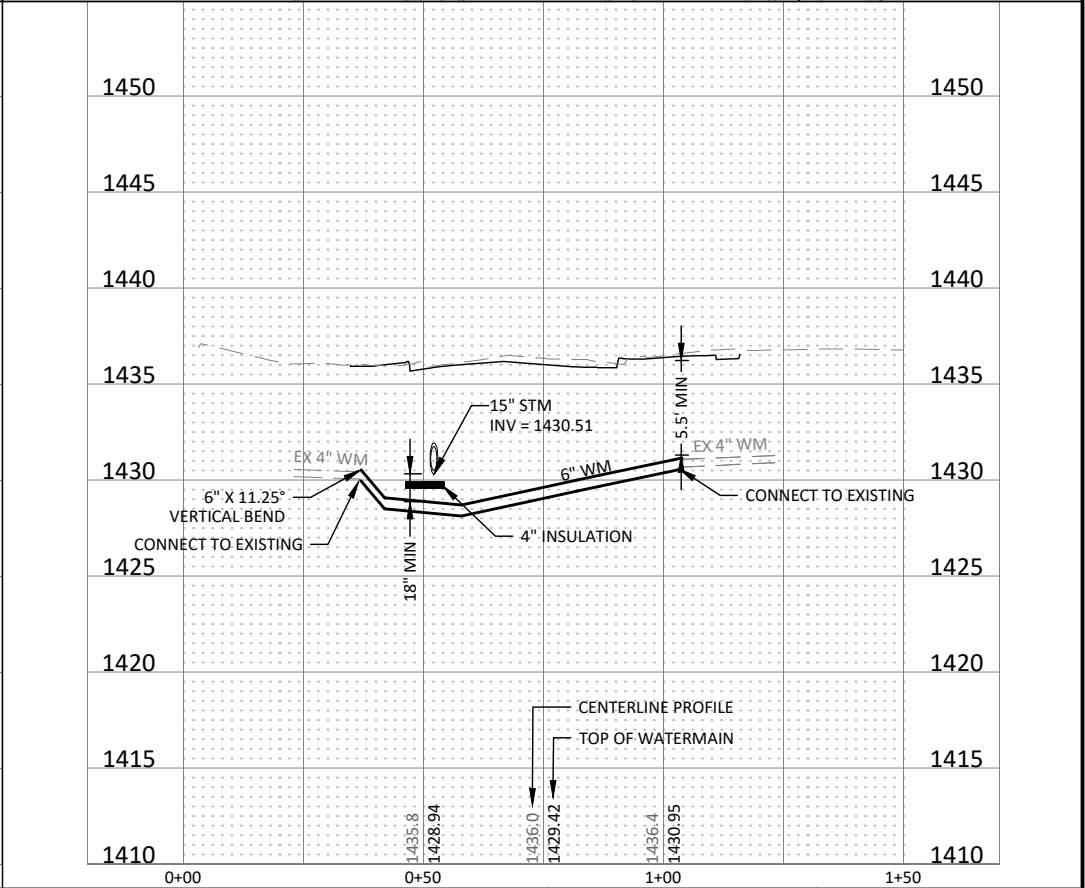
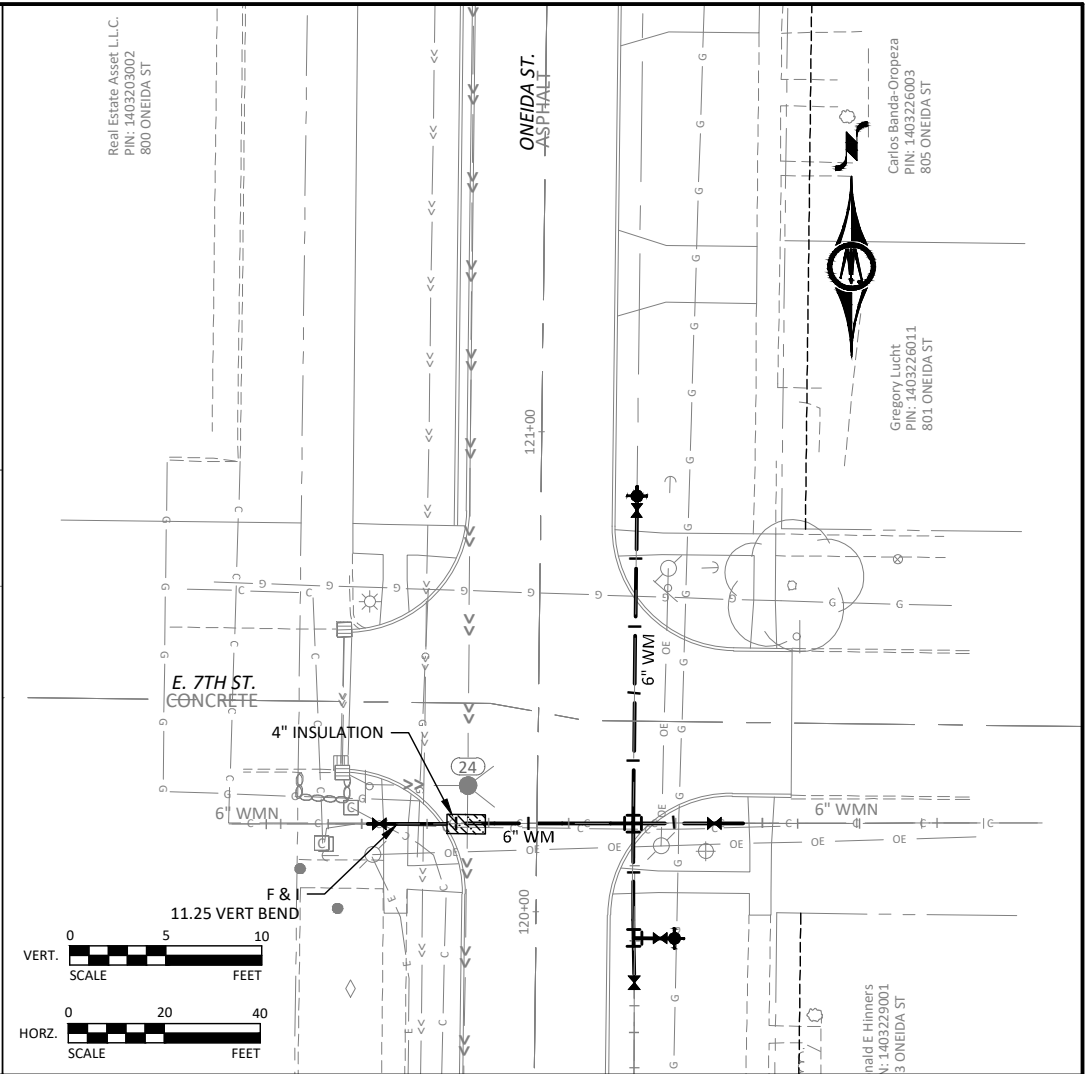
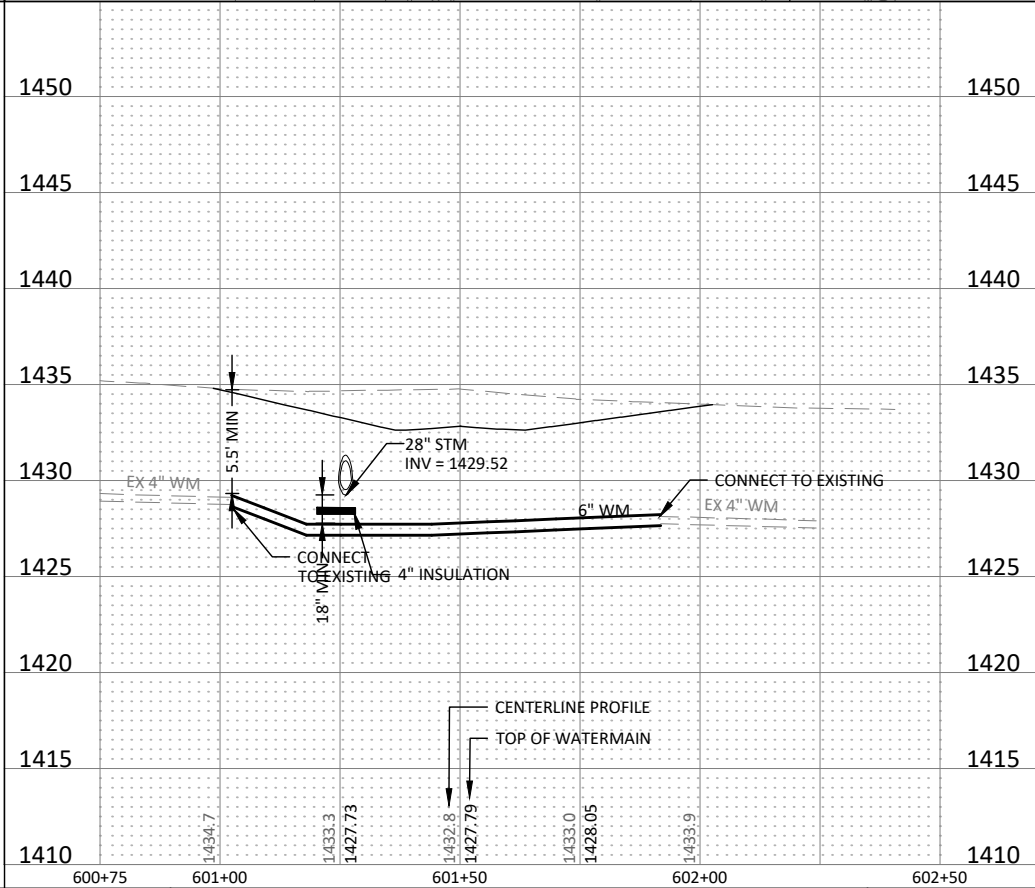
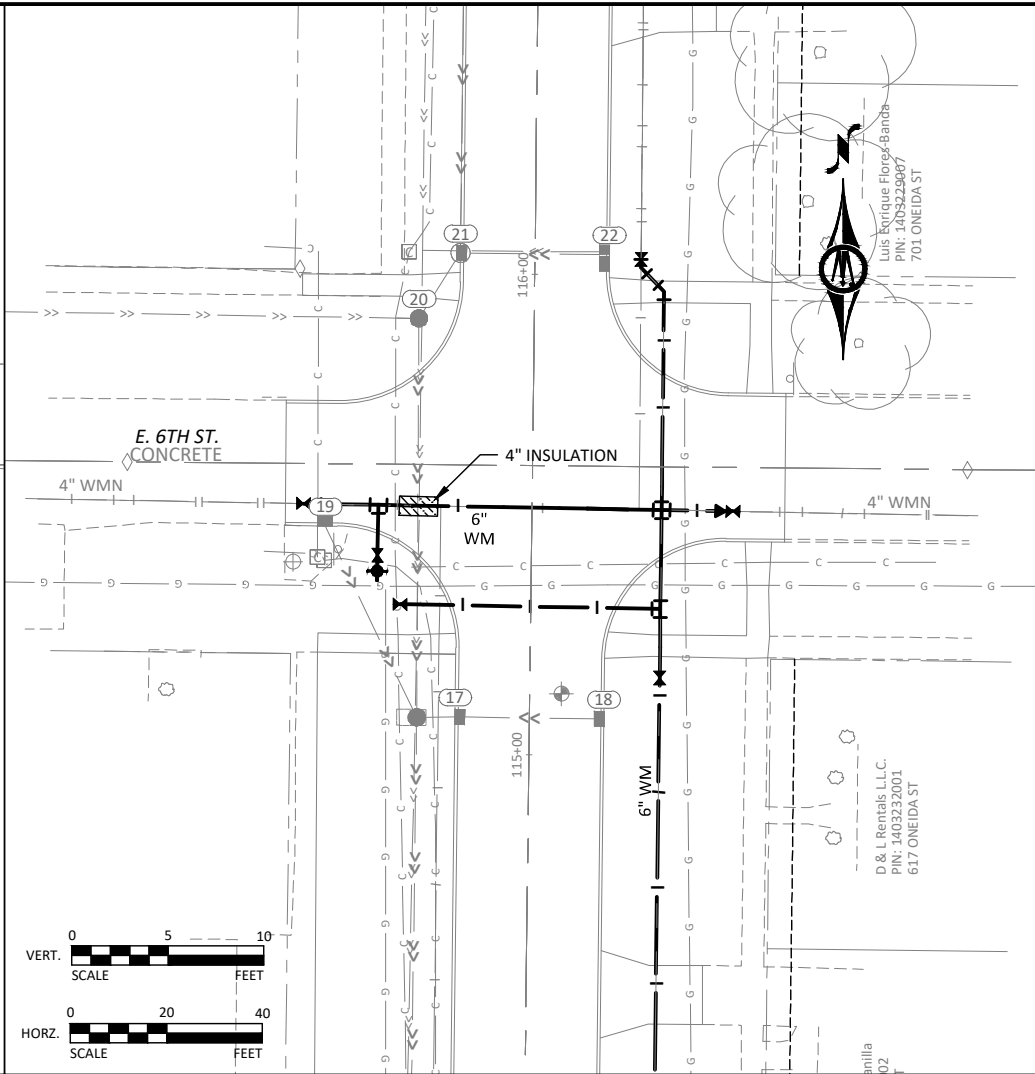
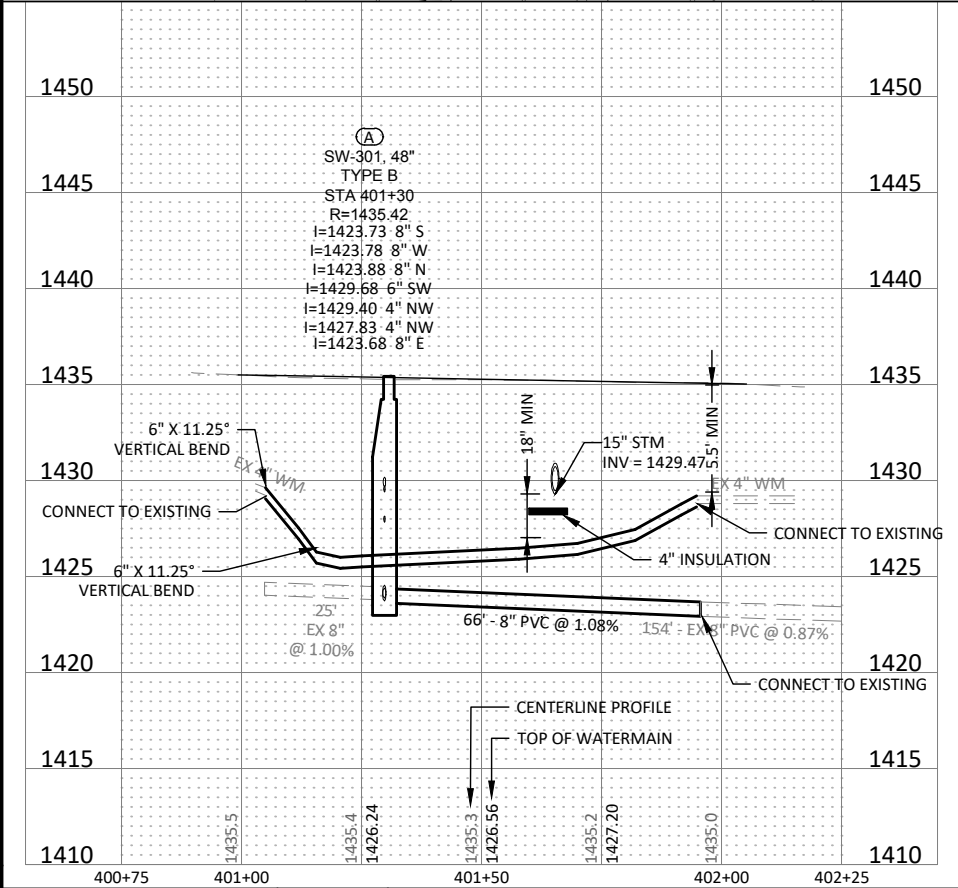
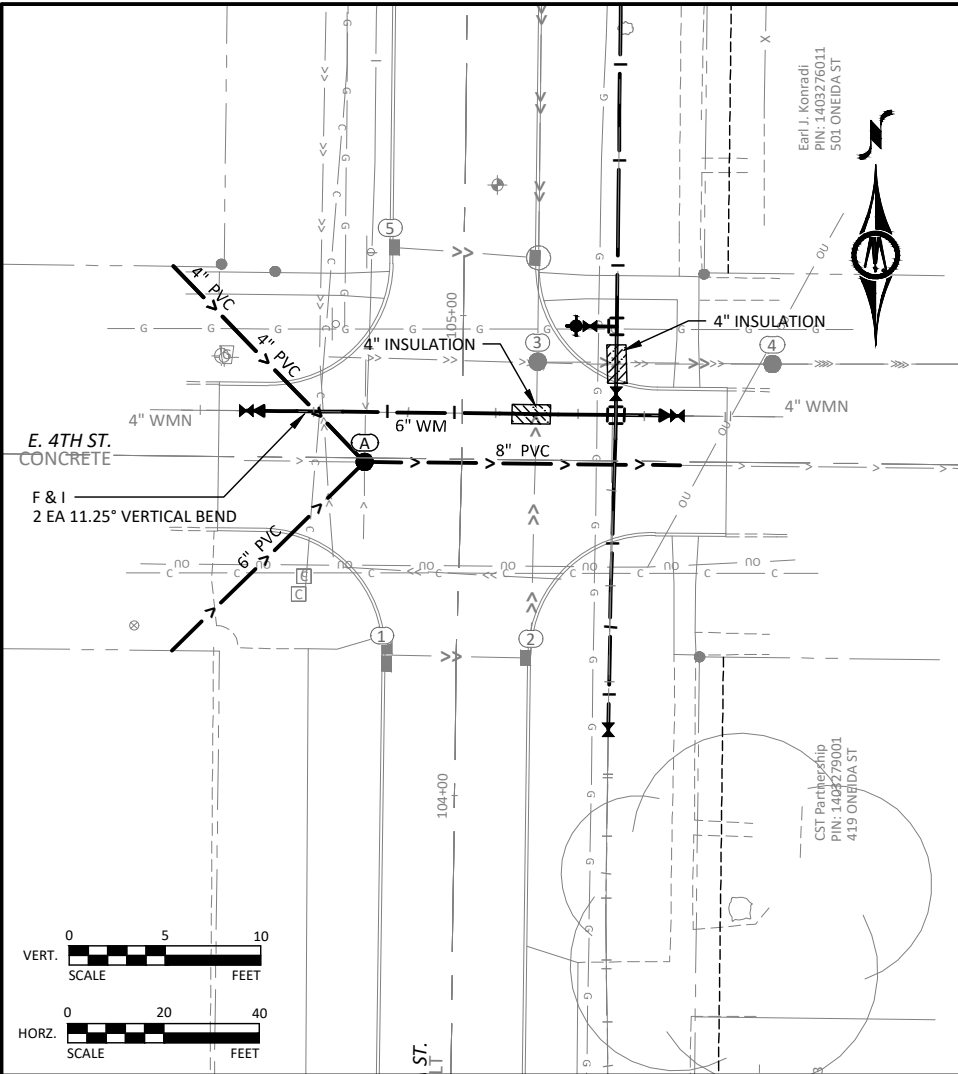


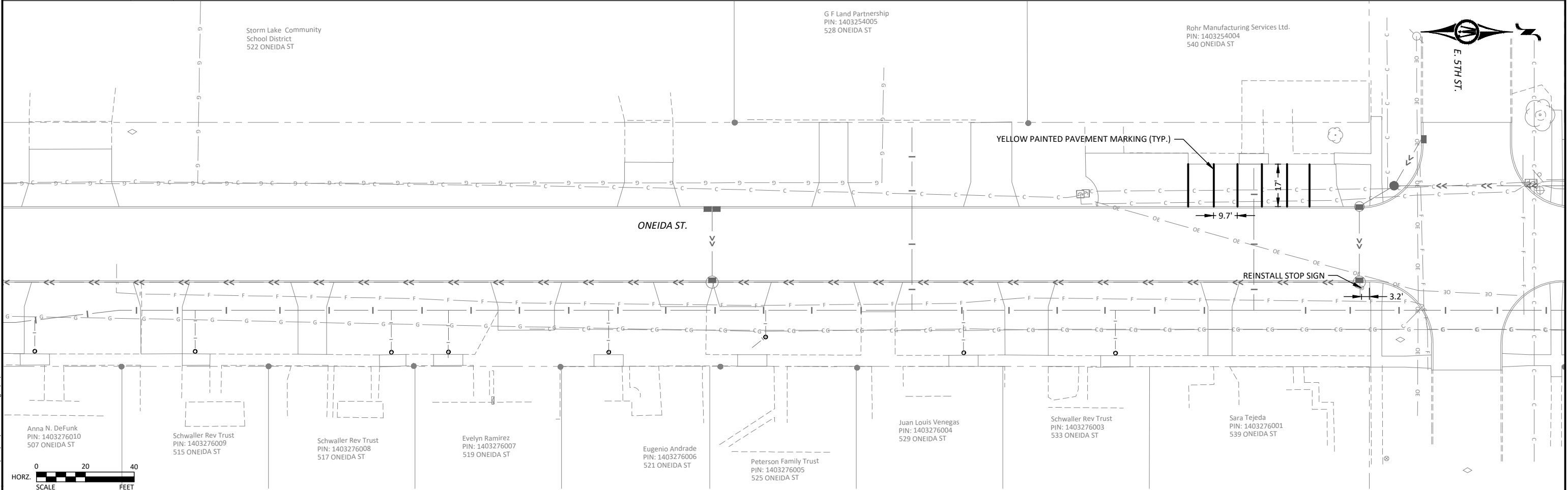
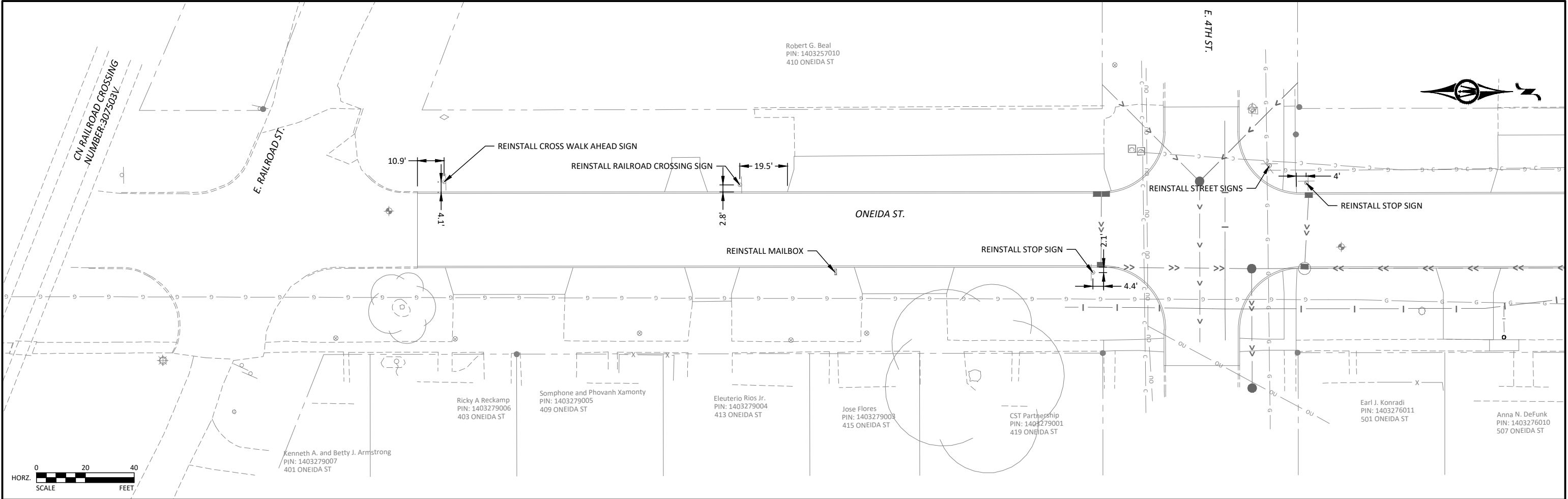
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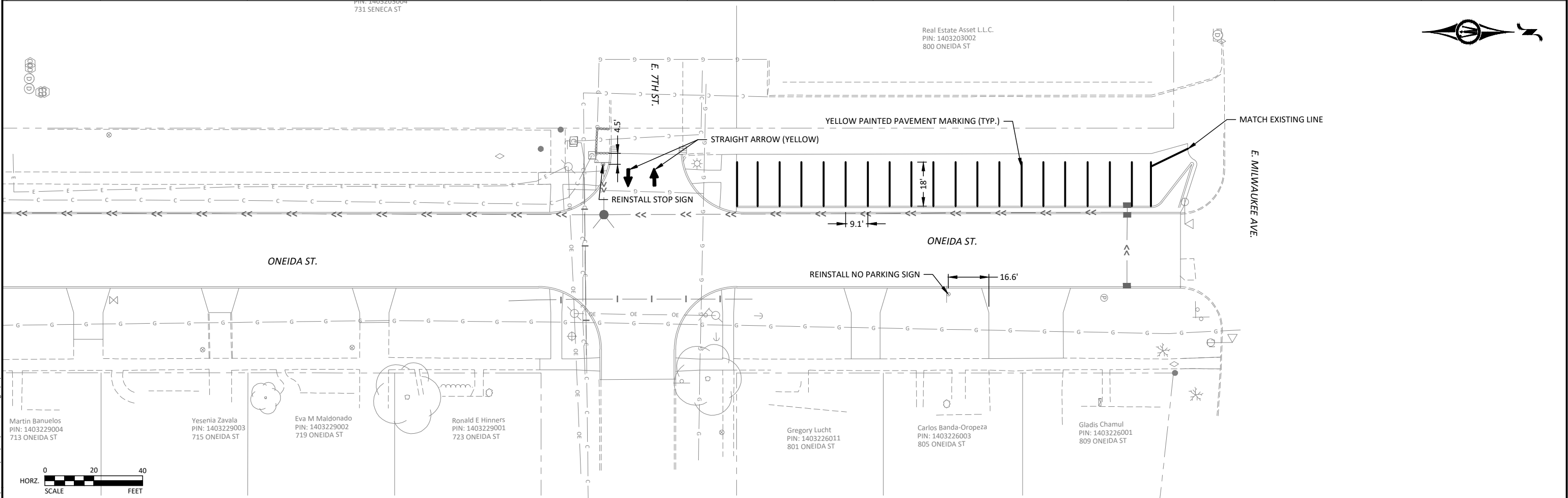
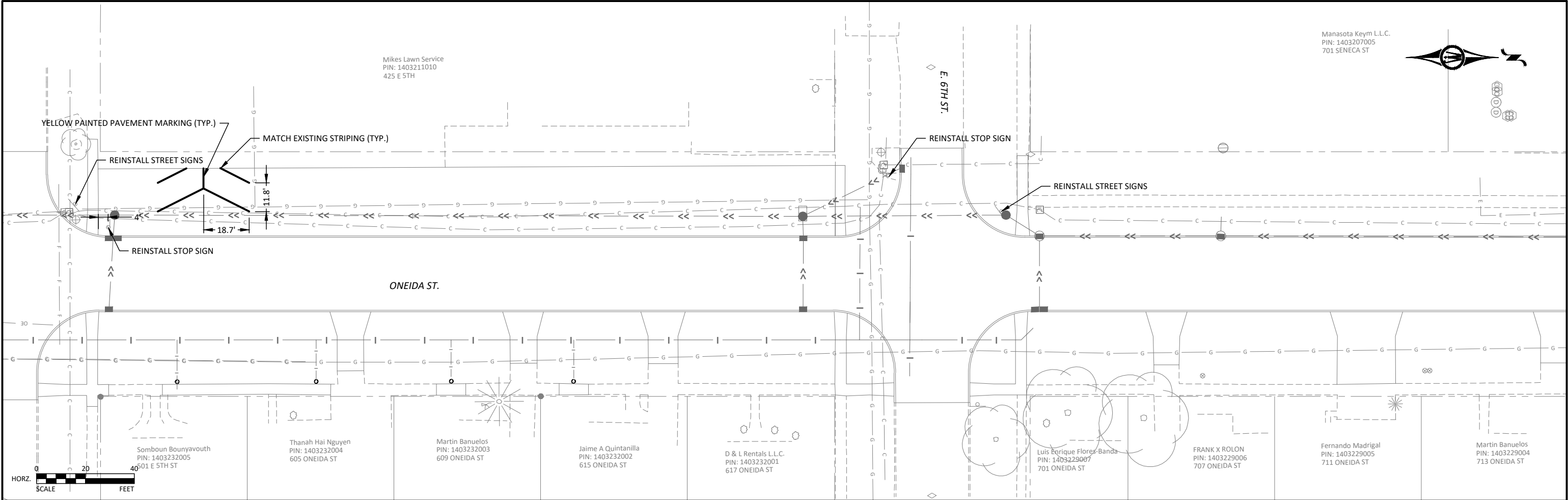
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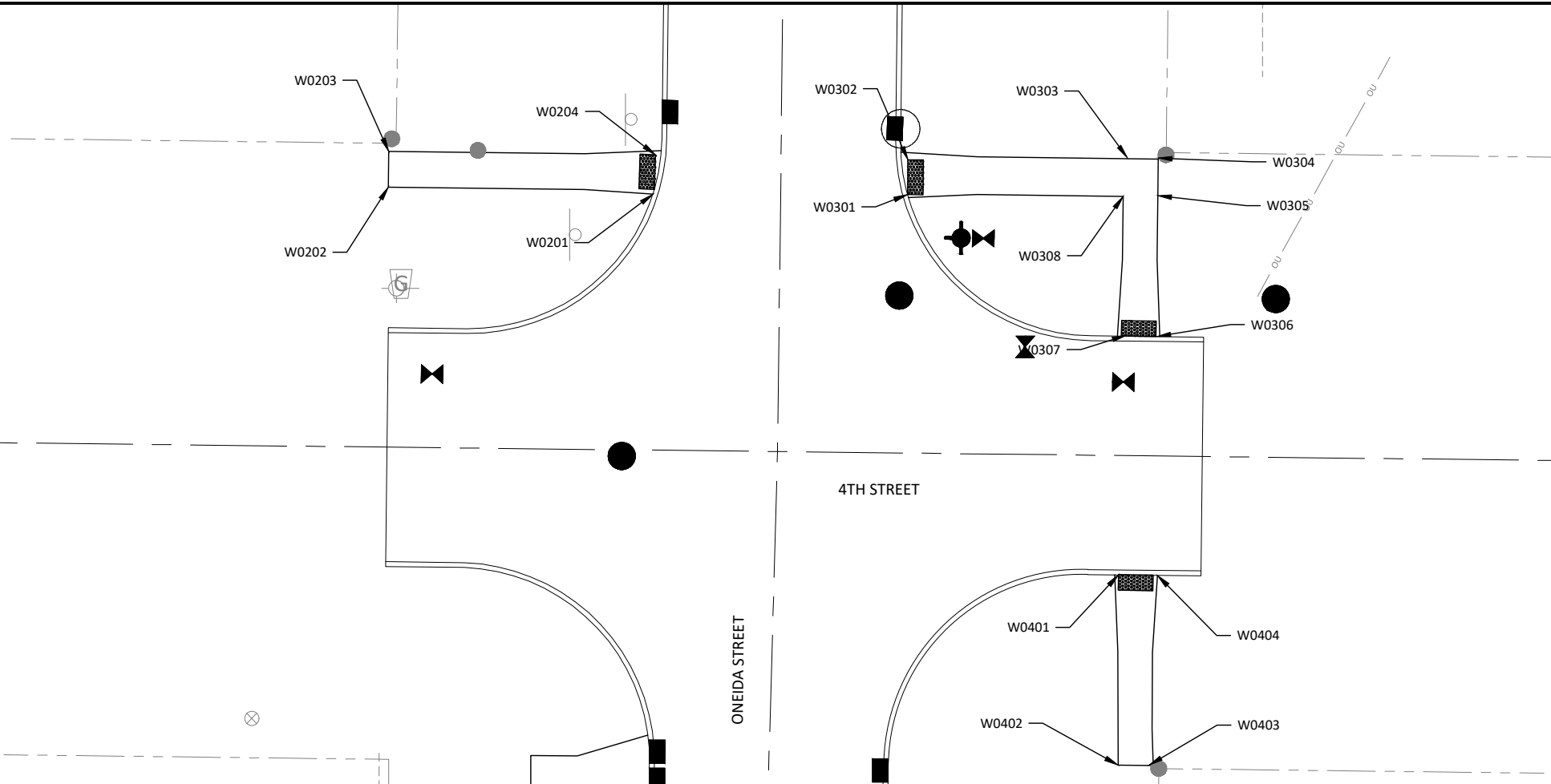
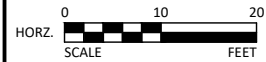




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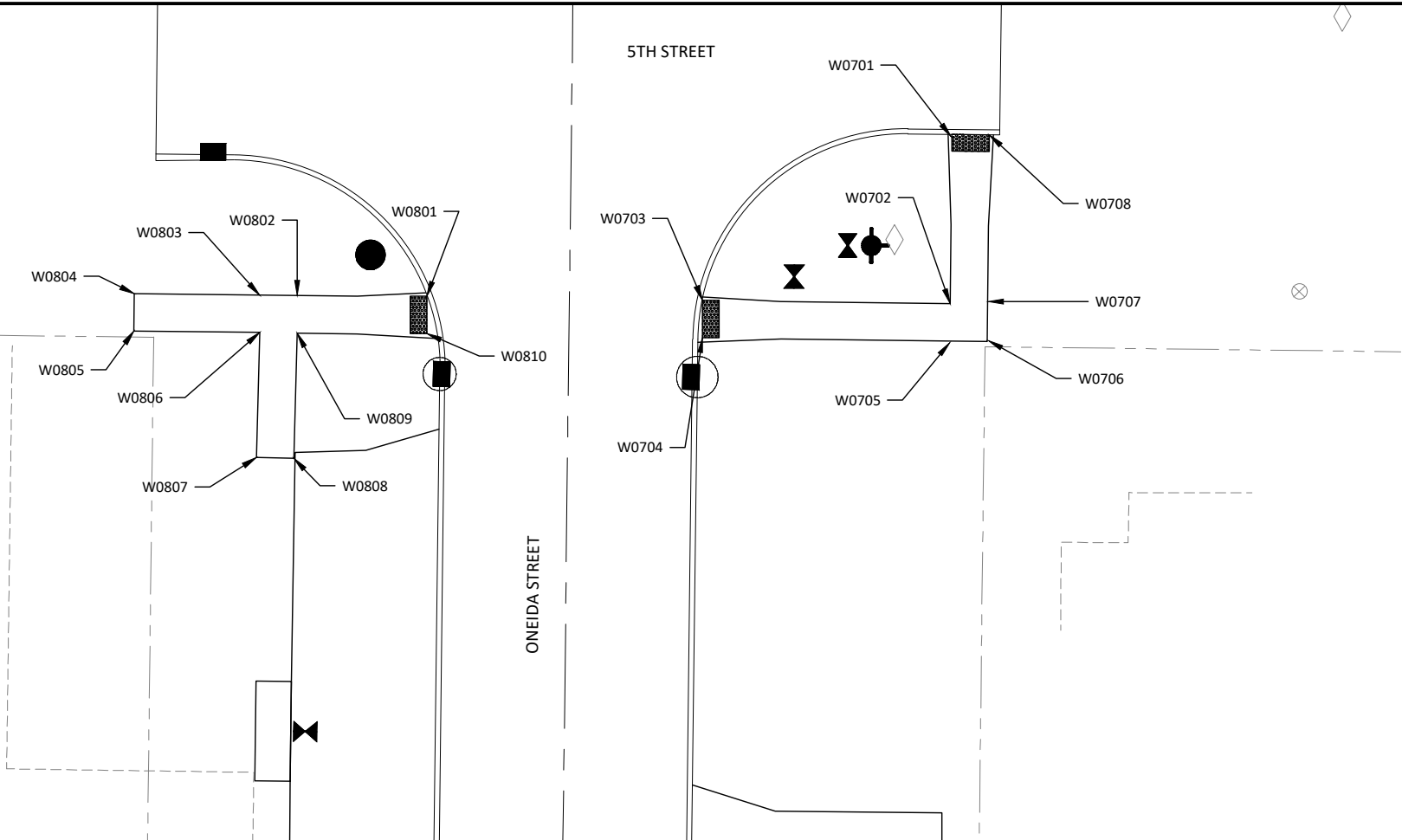
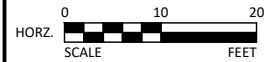


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0201	W0202	Sidewalk Running Slope	34.56	1.48	4.3%	0.5% to 5.0%					W0201	105+03.97	16.38	1434.59
W0202	W0203	Sidewalk Cross Slope	4.63	0.03	0.6%	0.5% to 2.0%					W0202	105+03.86	50.94	1436.07
W0203	W0204	Sidewalk Running Slope	34.56	-1.59	-4.6%	0.5% to 5.0%					W0203	105+08.50	50.94	1436.10
W0204	W0201	Crosswalk Cross Slope - Yield Condition	4.63	0.08	1.7%	0.0% to 2.0%					W0204	105+08.47	16.31	1434.51
W0301	W0302	Crosswalk Cross Slope - Yield Condition	4.50	-0.06	-1.3%	0.0% to 2.0%					W0301	105+03.69	16.48	1434.47
W0302	W0303	Ramp Running Slope	28.91	0.85	2.9%	0.5% to 8.3%					W0302	105+08.19	16.47	1434.41
W0303	W0304	Landing/Turning Space	4.50	-0.03	-0.7%	0.1% to 2.0%					W0303	105+08.70	44.89	1435.26
W0304	W0305	Landing/Turning Space	4.50	-0.01	-0.2%	0.1% to 2.0%					W0304	105+08.70	48.98	1435.23
W0305	W0306	Ramp Running Slope	18.47	-0.45	-2.4%	0.5% to 8.3%					W0305	105+03.81	48.98	1435.22
W0306	W0307	Crosswalk Cross Slope - No Yield Condition	4.50	0.04	0.9%	0.0% to 5.0%					W0306	104+85.63	48.98	1434.77
W0307	W0308	Ramp Running Slope	18.13	0.39	2.2%	0.5% to 8.3%					W0307	104+85.63	44.48	1434.81
W0303	W0308	Landing/Turning Space	4.50	-0.06	-1.3%	0.1% to 2.0%					W0308	105+03.80	44.48	1435.20
W0305	W0308	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%								
W0401	W0402	Ramp Running Slope	25.46	0.21	0.8%	0.5% to 8.3%					W0401	104+55.34	44.71	1434.80
W0402	W0403	Ramp Cross Slope	10.00	0.06	0.6%	0.1% to 2.0%					W0402	104+30.64	45.35	1435.01
W0403	W0404	Ramp Running Slope	25.46	-0.33	-1.3%	0.5% to 8.3%					W0403	104+30.72	49.89	1435.07
W0404	W0401	Crosswalk Cross Slope - Yield Condition	10.00	0.06	0.6%	0.0% to 2.0%					W0404	104+55.41	49.21	1434.74

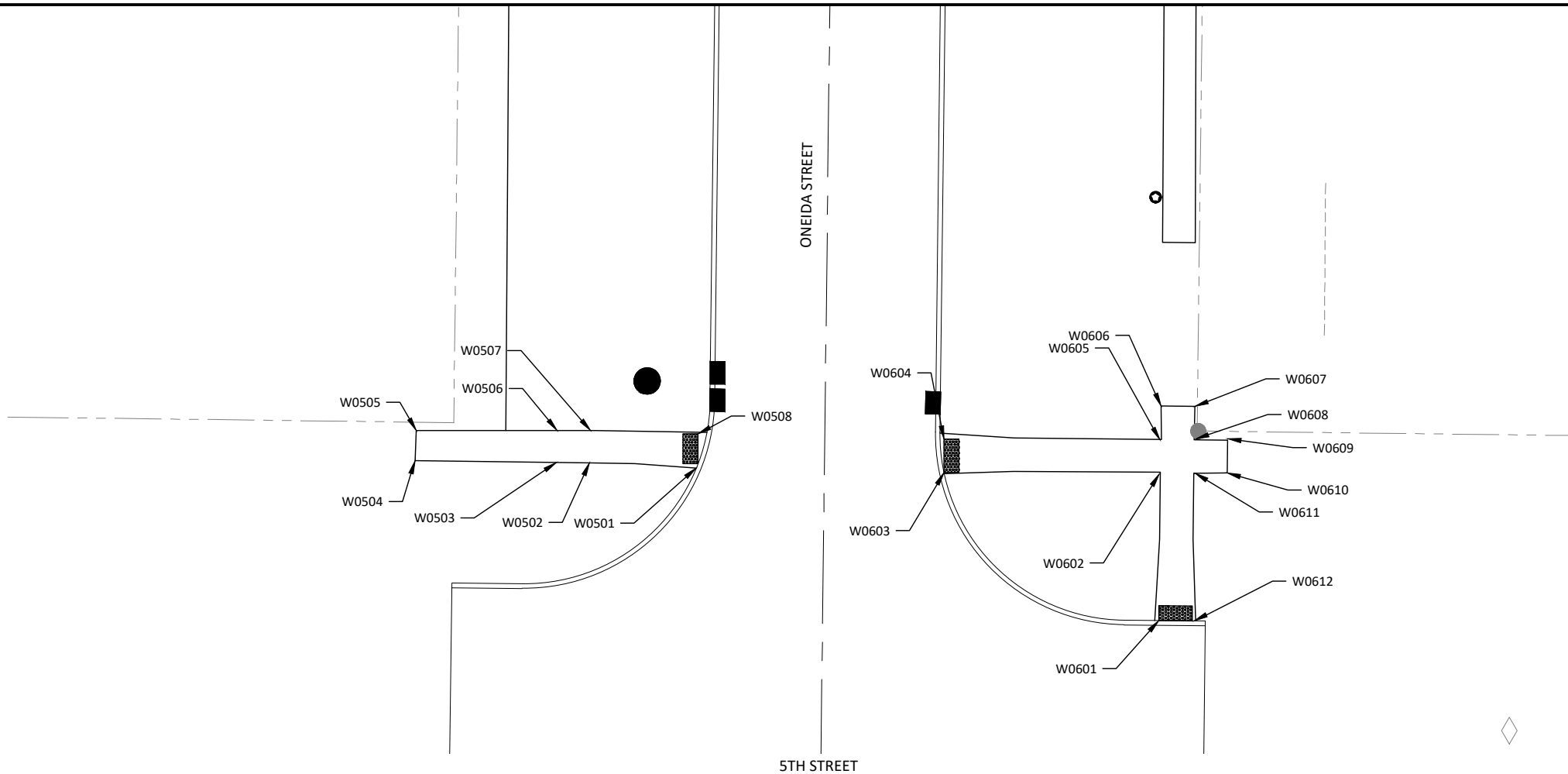
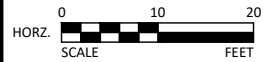


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0701	W0702	Ramp Running Slope	20.10	0.49	2.4%	0.5% to 8.3%					W0701	111+65.43	45.66	1433.15
W0702	W0703	Ramp Running Slope	29.77	-0.59	-2.0%	0.5% to 8.3%					W0702	111+45.33	45.79	1433.64
W0703	W0704	Crosswalk Cross Slope - Yield Condition	4.50	-0.05	-1.1%	0.0% to 2.0%					W0703	111+45.42	16.02	1433.05
W0704	W0705	Ramp Running Slope	30.18	0.70	2.3%	0.5% to 8.3%					W0704	111+40.92	16.07	1433.00
W0705	W0706	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%					W0705	111+40.87	45.68	1433.70
W0706	W0707	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W0706	111+40.87	50.29	1433.73
W0707	W0708	Ramp Running Slope	20.15	-0.62	-3.1%	0.5% to 8.3%					W0707	111+45.54	50.29	1433.71
W0701	W0708	Crosswalk Cross Slope - No Yield Condition	4.50	-0.06	-1.3%	0.0% to 5.0%					W0708	111+65.69	50.29	1433.09
W0702	W0705	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W0702	W0707	Landing/Turning Space	4.50	0.07	1.6%	0.1% to 2.0%								
W0801	W0802	Ramp Running Slope	15.62	1.01	6.5%	0.5% to 8.3%					W0801	111+45.50	17.04	1433.32
W0802	W0803	Landing/Turning Space	4.49	0.06	1.3%	0.1% to 2.0%					W0802	111+45.39	32.75	1434.33
W0803	W0804	Sidewalk Running Slope	15.08	0.55	3.6%	0.5% to 5.0%					W0803	111+45.39	37.24	1434.39
W0804	W0805	Sidewalk Cross Slope	4.47	0.08	1.8%	0.5% to 2.0%					W0804	111+45.38	52.32	1434.94
W0805	W0806	Sidewalk Running Slope	15.08	-0.61	-4.0%	0.5% to 5.0%					W0805	111+40.89	52.32	1435.02
W0806	W0807	Sidewalk Running Slope	15.06	0.60	4.0%	0.5% to 5.0%					W0806	111+40.92	37.19	1434.41
W0807	W0808	Sidewalk Cross Slope	4.49	-0.05	-1.1%	0.5% to 2.0%					W0807	111+25.86	37.42	1435.01
W0808	W0809	Sidewalk Running Slope	15.06	-0.60	-4.0%	0.5% to 5.0%					W0808	111+25.84	32.93	1434.96
W0809	W0810	Ramp Running Slope	16.84	-1.13	-6.7%	0.5% to 8.3%					W0809	111+40.86	32.70	1434.36
W0810	W0801	Crosswalk Cross Slope - Yield Condition	4.47	0.09	2.0%	0.0% to 2.0%					W0810	111+41.00	17.09	1433.23
W0802	W0809	Landing/Turning Space	4.47	0.03	0.7%	0.1% to 2.0%								
W0806	W0809	Landing/Turning Space	4.49	-0.05	-1.1%	0.1% to 2.0%								
W0803	W0806	Landing/Turning Space	4.47	0.02	0.4%	0.1% to 2.0%								



SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W0501	W0502	Ramp Running Slope	14.58	1.09	7.5%	0.5% to 8.3%					W0501	112+14.44	17.23	1432.58
W0502	W0503	Landing/Turning Space	4.48	0.07	1.6%	0.1% to 2.0%					W0502	112+14.95	31.58	1433.67
W0503	W0504	Sidewalk Running Slope	19.01	0.89	4.7%	0.5% to 5.0%					W0503	112+14.96	36.07	1433.74
W0504	W0505	Sidewalk Cross Slope	4.04	0.03	0.7%	0.5% to 2.0%					W0504	112+14.99	55.08	1434.63
W0505	W0506	Sidewalk Running Slope	18.42	-0.91	-4.9%	0.5% to 5.0%					W0505	112+19.02	54.94	1434.66
W0506	W0507	Landing/Turning Space	4.48	-0.07	-1.6%	0.1% to 2.0%					W0506	112+19.25	36.00	1433.75
W0507	W0508	Ramp Running Slope	15.64	-1.17	-7.5%	0.5% to 8.3%					W0507	112+19.30	31.52	1433.68
W0508	W0501	Ramp Cross Slope	4.04	0.07	1.7%	0.1% to 2.0%					W0508	112+19.04	17.07	1432.51
W0601	W0602	Ramp Running Slope	19.96	0.52	2.6%	0.5% to 8.3%					W0601	111+94.68	45.20	1433.18
W0602	W0603	Ramp Running Slope	28.96	-1.19	-4.1%	0.5% to 8.3%					W0602	112+14.37	45.06	1433.70
W0603	W0604	Crosswalk Cross Slope - Yield Condition	4.50	-0.09	-2.0%	0.0% to 2.0%					W0603	112+14.21	16.11	1432.51
W0604	W0605	Ramp Running Slope	29.77	1.33	4.5%	0.5% to 8.3%					W0604	112+18.71	16.16	1432.42
W0605	W0606	Sidewalk Running Slope	4.50	0.05	1.1%	0.5% to 5.0%					W0605	112+19.01	45.29	1433.75
W0606	W0607	Sidewalk Cross Slope	4.50	0.08	1.8%	0.5% to 2.0%					W0606	112+23.51	45.18	1433.80
W0607	W0608	Sidewalk Running Slope	4.50	-0.07	-1.6%	0.5% to 5.0%					W0607	112+23.51	49.74	1433.88
W0608	W0609	Sidewalk Running Slope	4.50	0.06	1.3%	0.5% to 5.0%					W0608	112+19.01	49.69	1433.81
W0609	W0610	Sidewalk Cross Slope	4.50	-0.07	-1.6%	0.5% to 2.0%					W0609	112+19.01	54.19	1433.87
W0610	W0611	Sidewalk Running Slope	4.50	-0.05	-1.1%	0.5% to 5.0%					W0610	112+14.64	54.19	1433.80
W0611	W0612	Ramp Running Slope	19.83	-0.61	-3.1%	0.5% to 8.3%					W0611	112+14.52	49.69	1433.75
W0612	W0601	Crosswalk Cross Slope - No Yield Condition	4.50	0.04	0.9%	0.0% to 5.0%					W0612	111+94.69	49.70	1433.14
W0602	W0605	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W0602	W0611	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W0605	W0608	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W0608	W0611	Landing/Turning Space	4.50	-0.06	-1.3%	0.1% to 2.0%								

ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

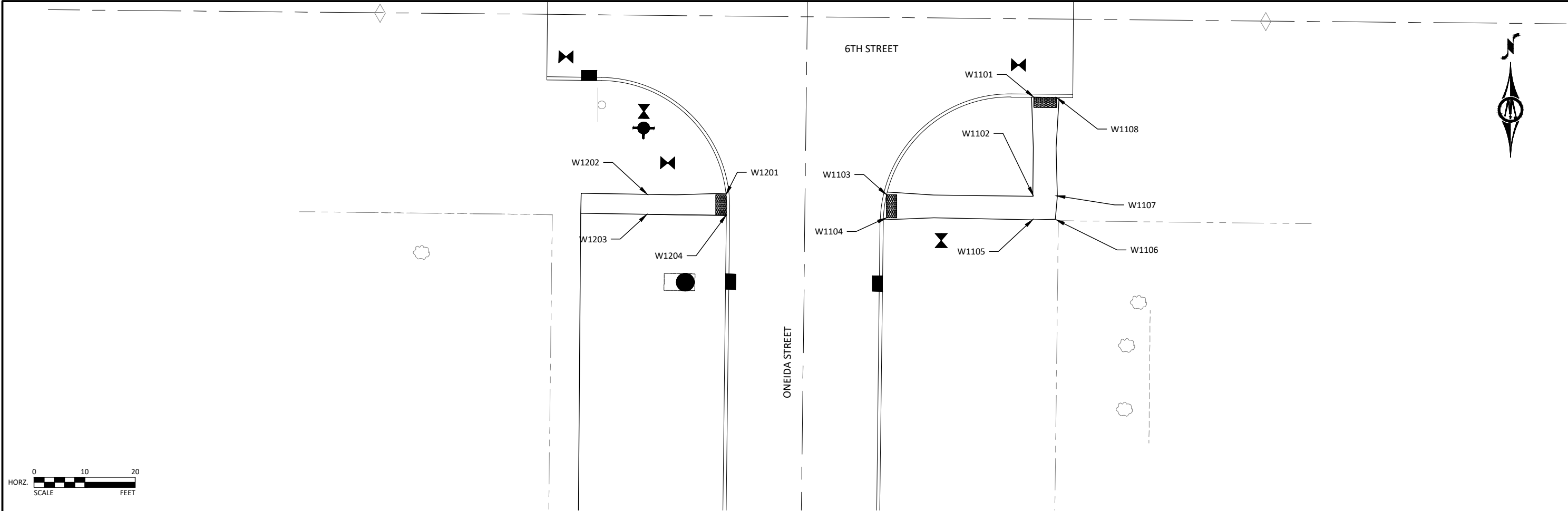
PROJECT NUMBER

STBG-SWAP-7422(618)--SG-11

SHEET NUMBER

S.03

REVISED

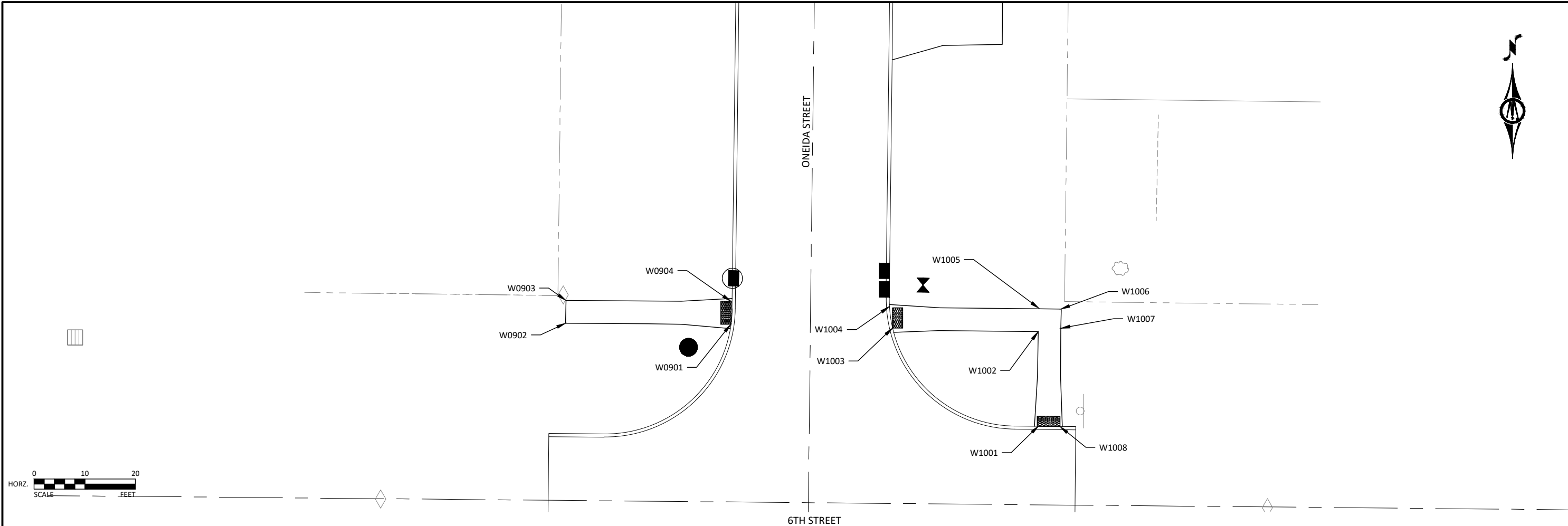


SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

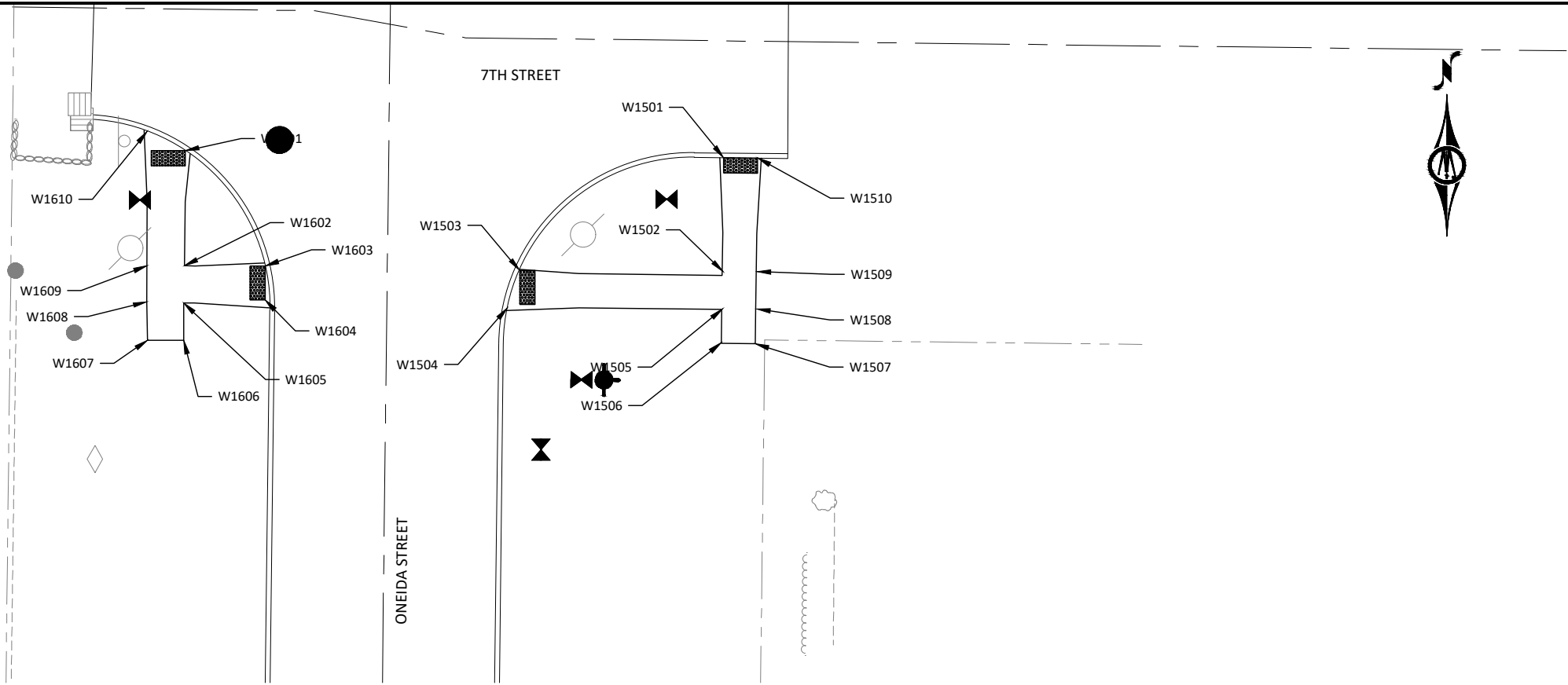
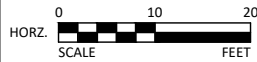
Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1101	W1102	Ramp Running Slope	19.56	0.75	3.8%	0.5% to 8.3%					W1101	115+44.82	44.97	1433.27
W1102	W1103	Ramp Running Slope	28.90	-1.63	-5.6%	0.5% to 8.3%					W1102	115+25.25	44.98	1434.02
W1103	W1104	Crosswalk Cross Slope - Yield Condition	4.50	-0.08	-1.8%	0.0% to 2.0%					W1103	115+25.18	16.08	1432.39
W1104	W1105	Ramp Running Slope	29.47	1.76	6.0%	0.5% to 8.3%					W1104	115+20.68	16.14	1432.31
W1105	W1106	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W1105	115+20.60	44.97	1434.07
W1106	W1107	Landing/Turning Space	4.50	-0.02	-0.4%	0.1% to 2.0%					W1106	115+20.75	49.48	1434.05
W1107	W1108	Ramp Running Slope	19.54	-0.64	-3.3%	0.5% to 8.3%					W1107	115+25.29	49.84	1434.03
W1108	W1101	Crosswalk Cross Slope - No Yield Condition	4.50	-0.12	-2.7%	0.0% to 5.0%					W1108	115+44.82	49.47	1433.39
W1102	W1105	Landing/Turning Space	4.50	0.05	1.1%	0.1% to 2.0%								
W1102	W1107	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%								
W1201	W1202	Ramp Running Slope	15.57	1.24	8.0%	0.5% to 8.3%					W1201	115+24.81	15.65	1432.38
W1202	W1203	Ramp Cross Slope	4.00	-0.05	-1.2%	0.1% to 2.0%					W1202	115+24.69	31.12	1433.62
W1203	W1204	Ramp Running Slope	15.57	-1.24	-8.0%	0.5% to 8.3%					W1203	115+20.78	31.17	1433.57
W1204	W1201	Crosswalk Cross Slope - Yield Condition	4.00	0.05	1.3%	0.0% to 2.0%					W1204	115+20.78	15.50	1432.33



SIDEWALK COMPLIANCE															113-10
															04-18-17
* Does not include curb															
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.															
Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks		FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%				Point	Station	Offset	Elevation
W0901	W0902	Ramp Running Slope	32.63	1.50	4.6%	0.5% to 8.3%						W0901	115+95.24	15.69	1433.34
W0902	W0903	Ramp Cross Slope	4.50	0.06	1.3%	0.1% to 2.0%						W0902	115+95.05	48.31	1434.84
W0903	W0904	Ramp Running Slope	32.80	-1.51	-4.6%	0.5% to 8.3%						W0903	115+99.55	48.30	1434.90
W0904	W0901	Crosswalk Cross Slope - Yield Condition	4.50	-0.05	-1.1%	0.0% to 2.0%						W0904	115+99.74	15.74	1433.39
W1001	W1002	Ramp Running Slope	18.66	1.04	5.6%	0.5% to 8.3%						W1001	115+75.82	44.98	1433.63
W1002	W1003	Ramp Running Slope	28.60	-1.32	-4.6%	0.5% to 8.3%						W1002	115+94.47	44.95	1434.67
W1003	W1004	Crosswalk Cross Slope - Yield Condition	4.50	0.03	0.7%	0.0% to 2.0%						W1003	115+94.87	16.21	1433.35
W1004	W1005	Ramp Running Slope	29.81	1.35	4.5%	0.5% to 8.3%						W1004	115+98.87	16.16	1433.38
W1005	W1006	Landing/Turning Space	4.50	0.02	0.4%	0.1% to 2.0%						W1005	115+99.08	45.09	1434.73
W1006	W1007	Landing/Turning Space	4.50	-0.05	-1.1%	0.1% to 2.0%						W1006	115+98.99	49.37	1434.75
W1007	W1008	Ramp Running Slope	18.78	-0.98	-5.2%	0.5% to 8.3%						W1007	115+95.22	49.42	1434.70
W1008	W1001	Crosswalk Cross Slope - No Yield Condition	4.50	-0.09	-2.0%	0.0% to 5.0%						W1008	115+75.82	49.48	1433.72
W1002	W1005	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%									
W1002	W1007	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%									

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SIDEWALK COMPLIANCE

113-10
04-18-17

* Does not include curb
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1501	W1502	Ramp Running Slope	15.60	0.84	5.4%	0.5% to 8.3%					W1501	120+24.47	44.40	1436.00
W1502	W1503	Ramp Running Slope	27.09	-1.07	-3.9%	0.5% to 8.3%					W1502	120+08.87	44.39	1436.84
W1503	W1504	Crosswalk Cross Slope - No Yield Condition	4.50	-0.04	-0.9%	0.0% to 5.0%					W1503	120+09.20	17.55	1435.77
W1504	W1505	Ramp Running Slope	28.42	1.12	3.9%	0.5% to 8.3%					W1504	120+04.70	17.60	1435.73
W1505	W1506	Sidewalk Running Slope	4.50	-0.11	-2.4%	0.5% to 5.0%					W1505	120+04.37	44.39	1436.85
W1506	W1507	Sidewalk Cross Slope	4.50	0.08	1.8%	0.5% to 2.0%					W1506	119+99.87	44.39	1436.74
W1507	W1508	Sidewalk Running Slope	4.50	0.07	1.6%	0.5% to 5.0%					W1507	119+99.87	48.89	1436.82
W1508	W1509	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%					W1508	120+04.37	48.89	1436.89
W1509	W1510	Ramp Running Slope	15.59	-0.86	-5.5%	0.5% to 8.3%					W1509	120+09.42	49.02	1436.90
W1510	W1501	Crosswalk Cross Slope - Yield Condition	4.50	-0.04	-0.9%	0.0% to 2.0%					W1510	120+24.50	48.90	1436.04
W1502	W1505	Landing/Turning Space	4.50	0.01	0.2%	0.1% to 2.0%								
W1502	W1509	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								
W1505	W1508	Landing/Turning Space	4.50	0.04	0.9%	0.1% to 2.0%								
W1601	W1602	Ramp Running Slope	15.25	0.77	5.0%	0.5% to 8.3%					W1601	120+24.55	26.95	1435.60
W1602	W1603	Ramp Running Slope	10.67	-0.66	-6.2%	0.5% to 8.3%					W1602	120+09.30	26.87	1436.37
W1603	W1604	Crosswalk Cross Slope - Yield Condition	4.93	0.01	0.2%	0.0% to 2.0%					W1603	120+09.41	16.20	1435.71
W1604	W1605	Ramp Running Slope	11.42	0.59	5.2%	0.5% to 8.3%					W1604	120+04.91	16.14	1435.72
W1605	W1606	Sidewalk Running Slope	4.95	-0.10	-2.0%	0.5% to 5.0%					W1605	120+04.37	26.94	1436.31
W1606	W1607	Ramp Running Slope	4.80	0.08	1.7%	0.5% to 8.3%					W1606	119+99.42	26.86	1436.21
W1607	W1608	Sidewalk Running Slope	4.95	0.03	0.6%	0.5% to 5.0%					W1607	119+99.36	31.66	1436.29
W1608	W1609	Landing/Turning Space	4.93	-0.01	-0.2%	0.1% to 2.0%					W1608	120+04.47	31.81	1436.32
W1609	W1610	Ramp Running Slope	17.82	-0.75	-4.2%	0.5% to 8.3%					W1609	120+09.24	31.85	1436.31
W1610	W1601	Crosswalk Cross Slope - Yield Condition	4.87	0.04	0.8%	0.0% to 2.0%					W1610	120+27.06	32.02	1435.56
W1602	W1605	Landing/Turning Space	4.93	-0.06	-1.2%	0.1% to 2.0%								
W1602	W1609	Landing/Turning Space	4.87	-0.06	-1.2%	0.1% to 2.0%								
W1605	W1608	Landing/Turning Space	4.87	0.01	0.2%	0.1% to 2.0%								

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CITY OF STORM LAKE

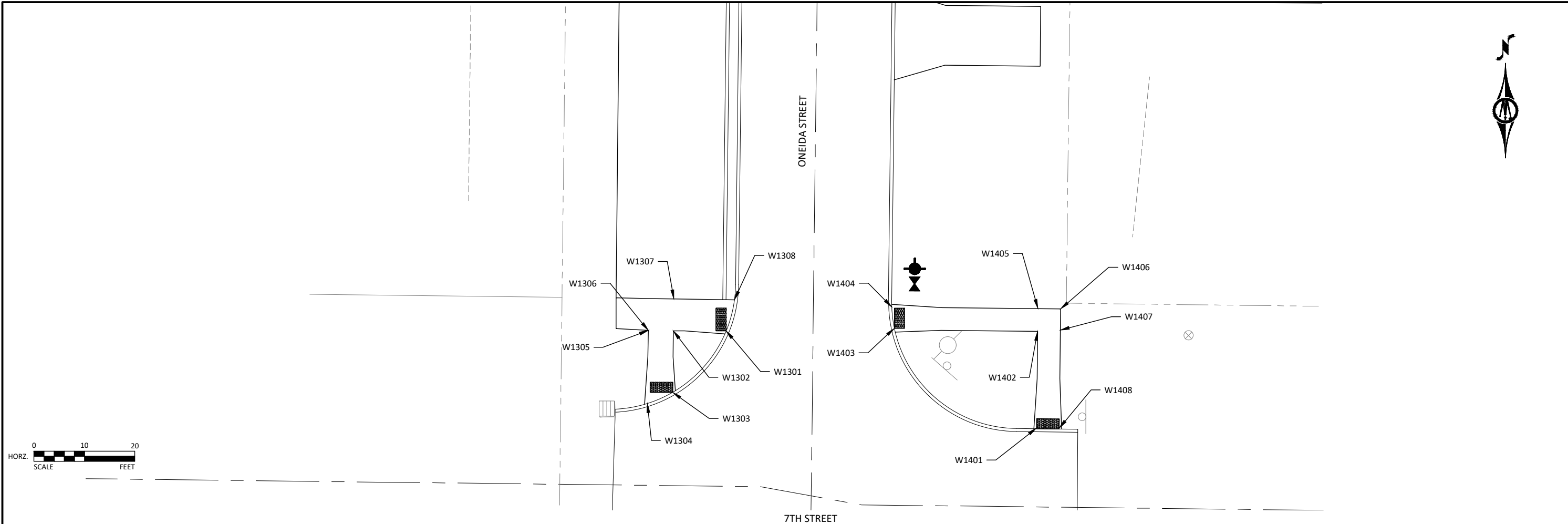
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PROJECT NUMBER

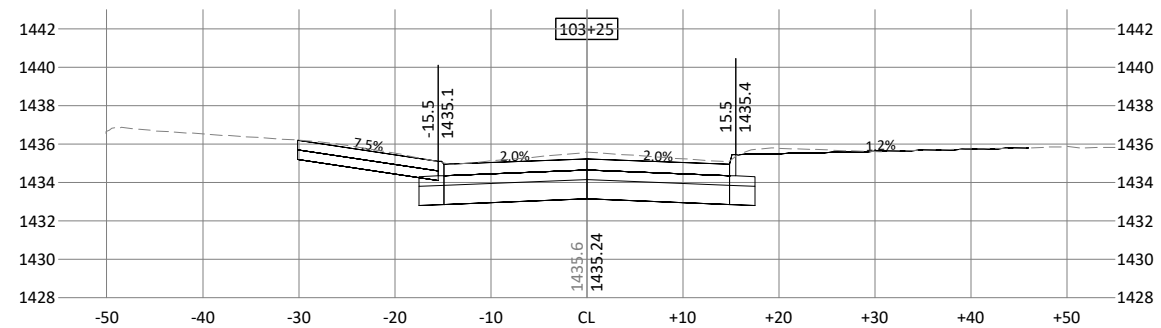
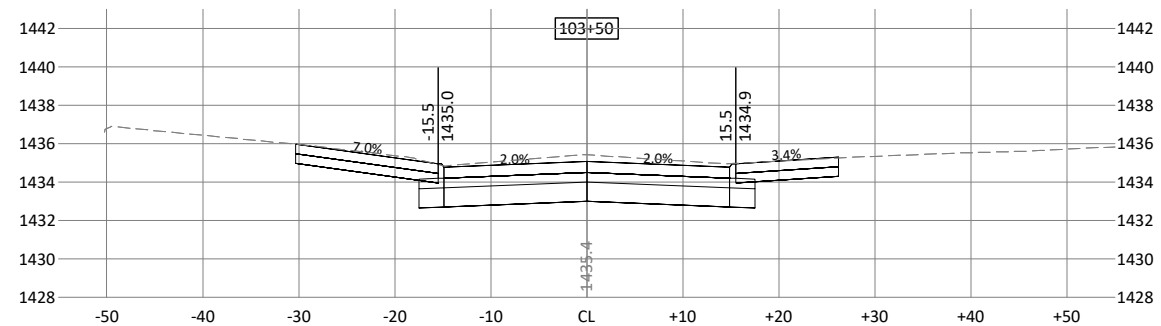
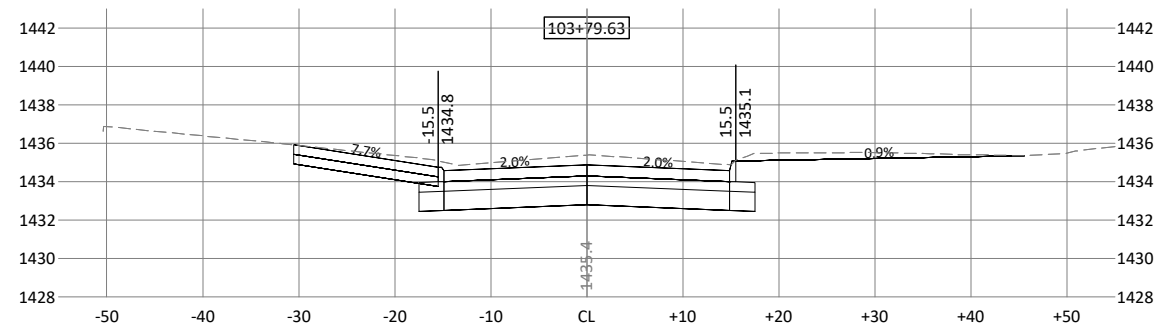
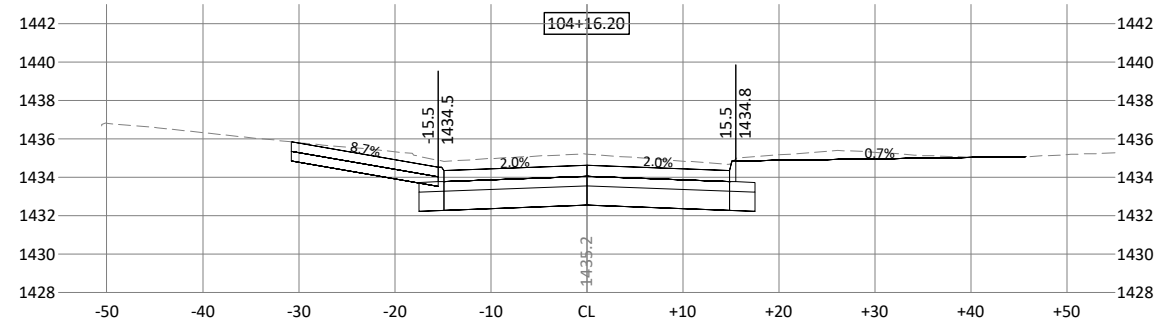
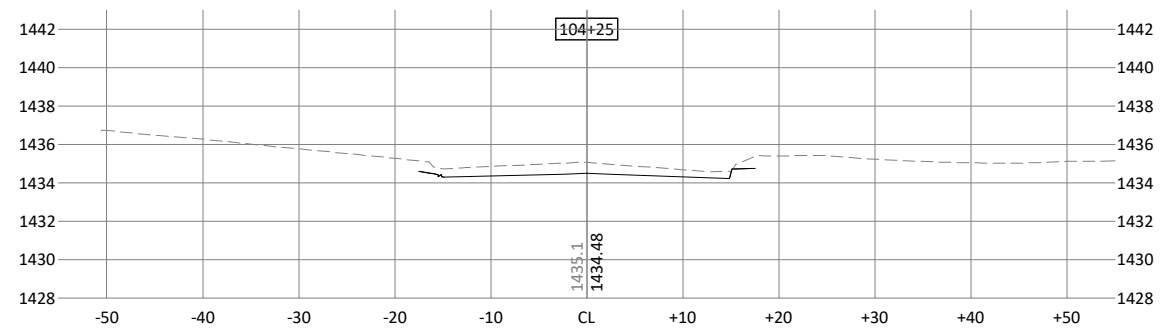
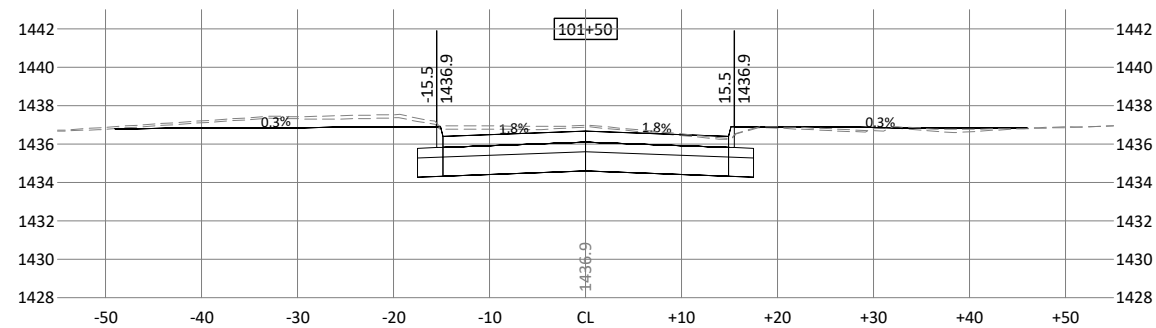
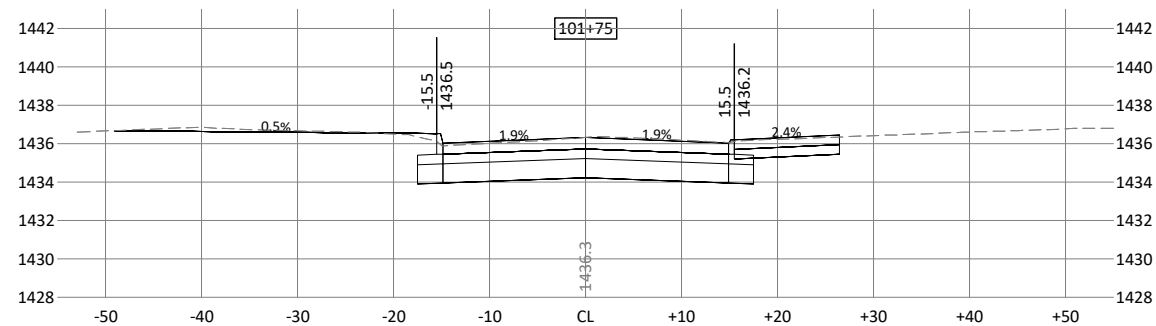
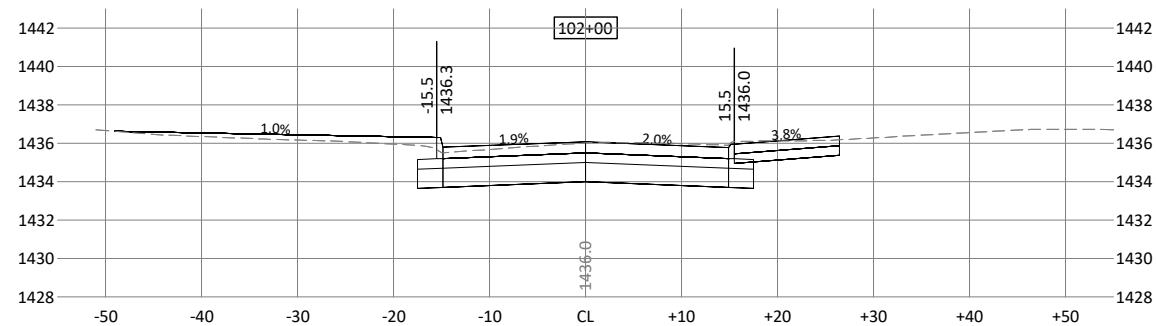
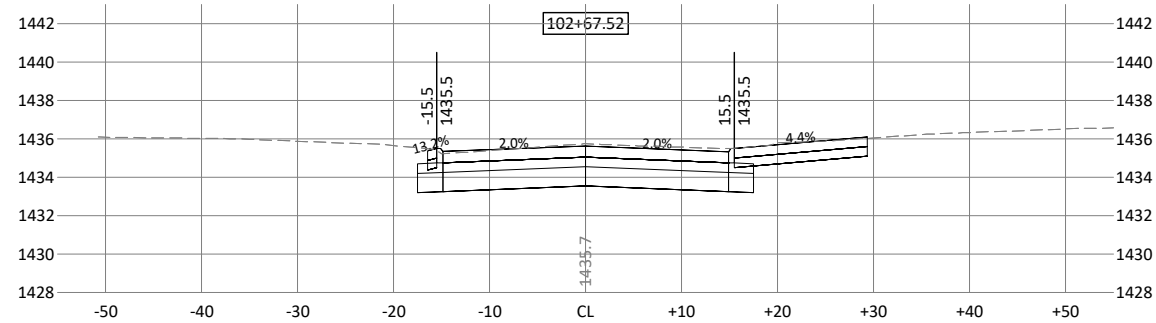
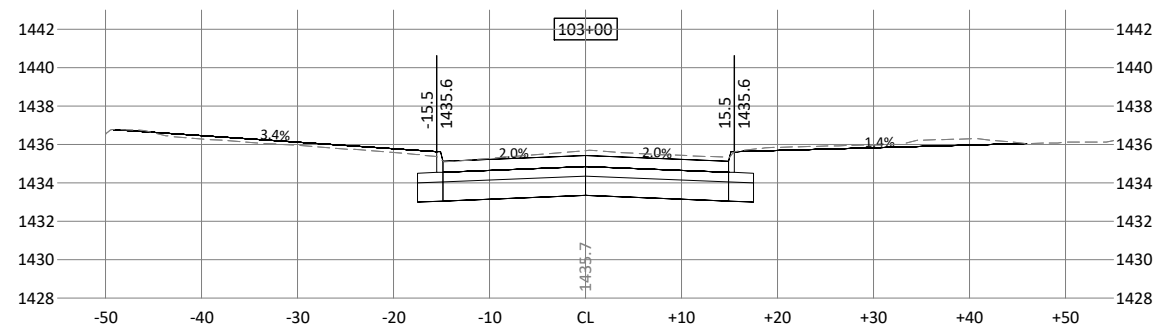
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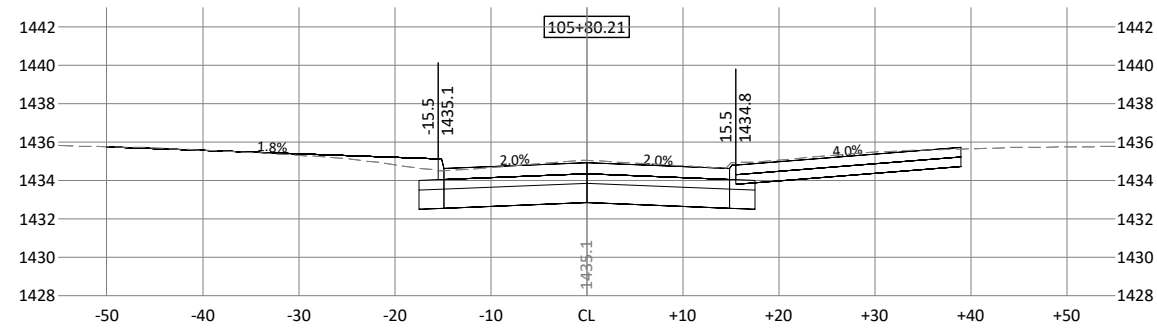
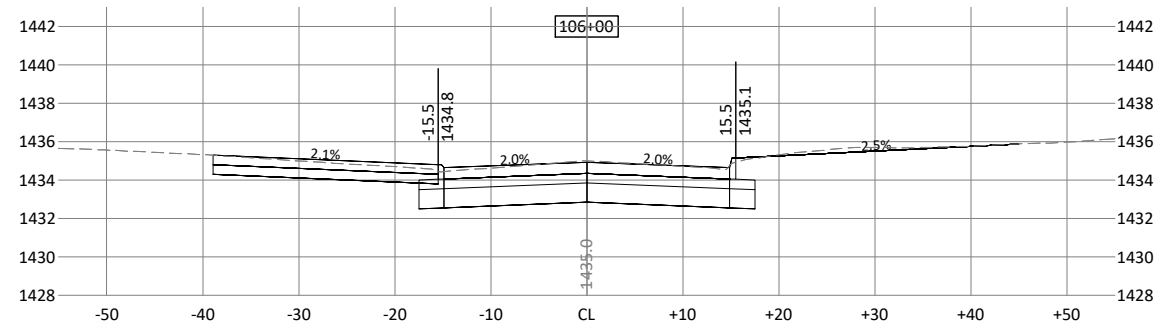
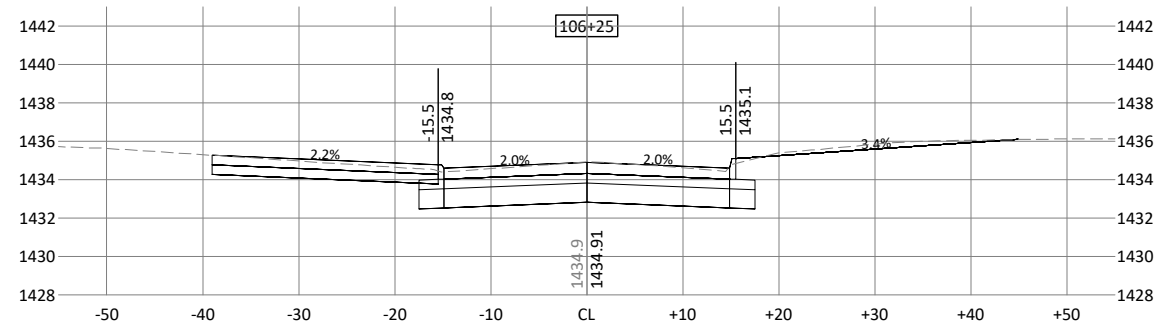
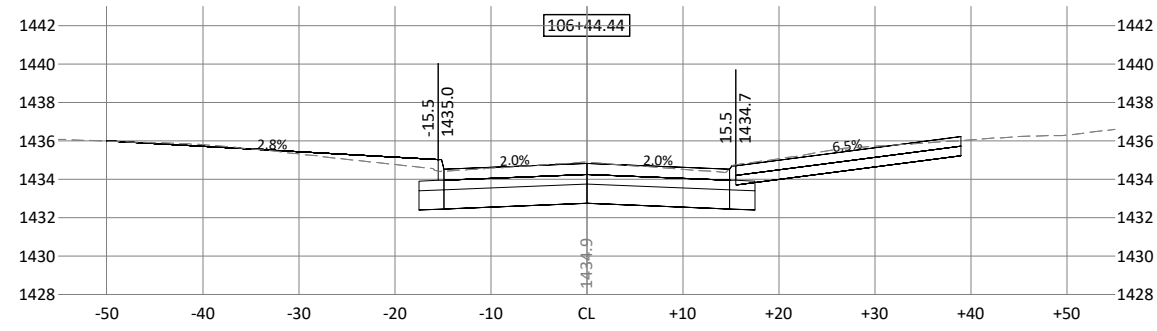
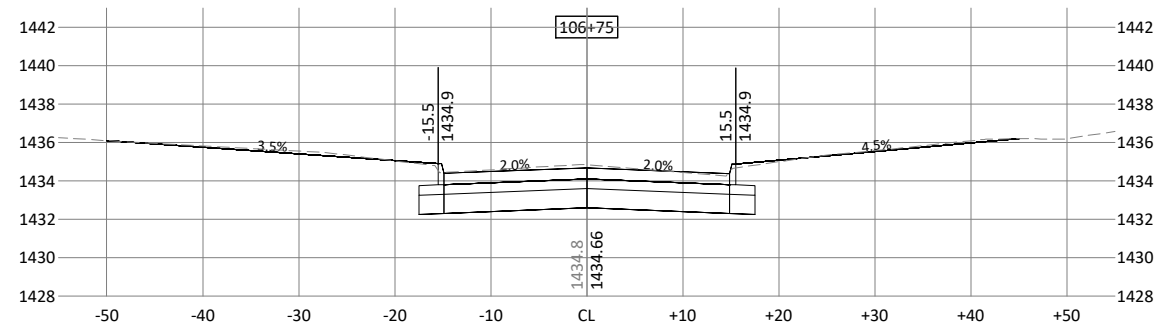
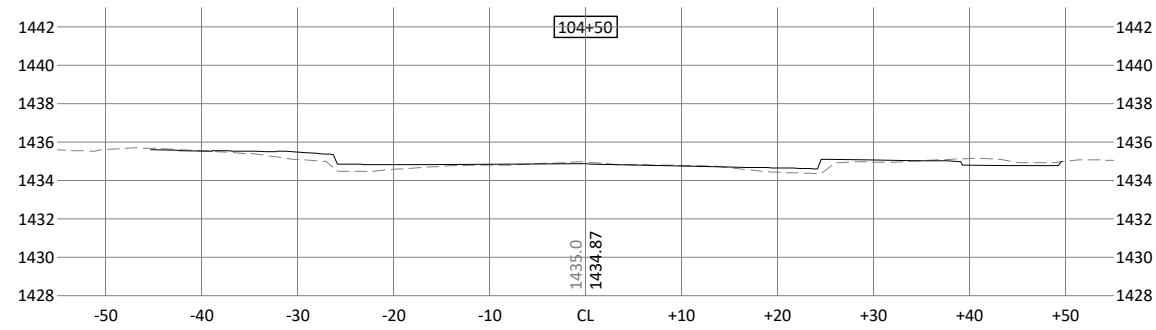
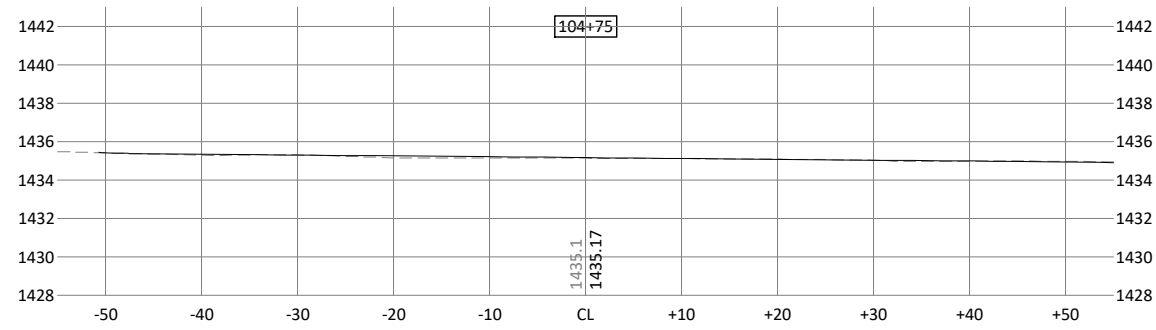
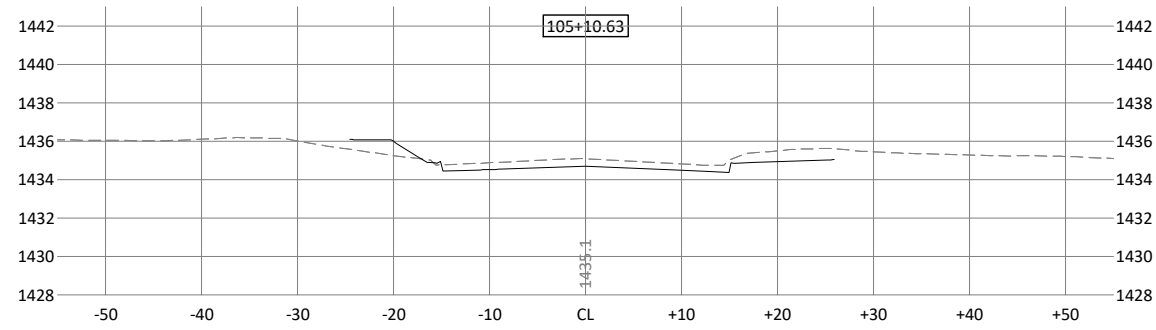
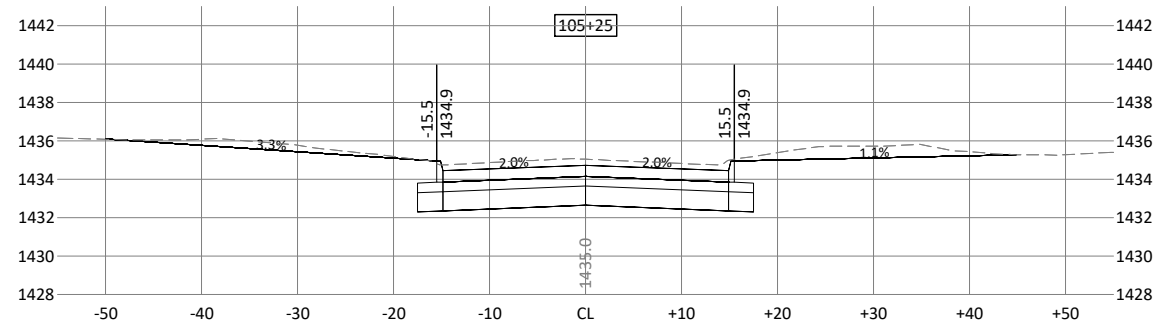
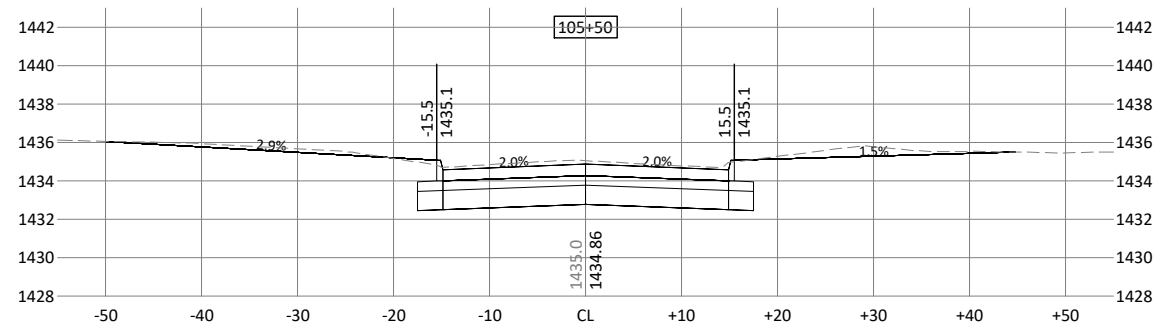
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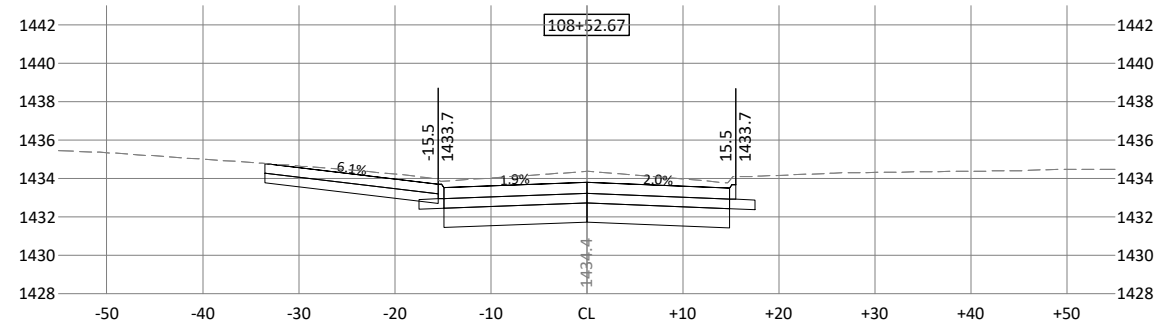
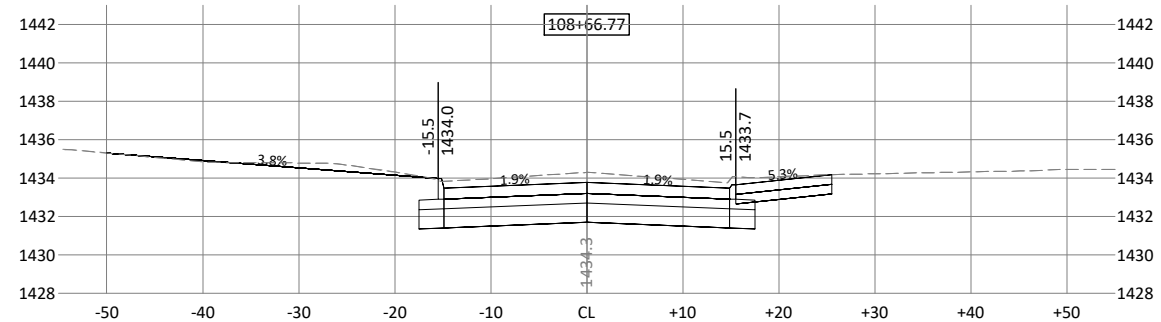
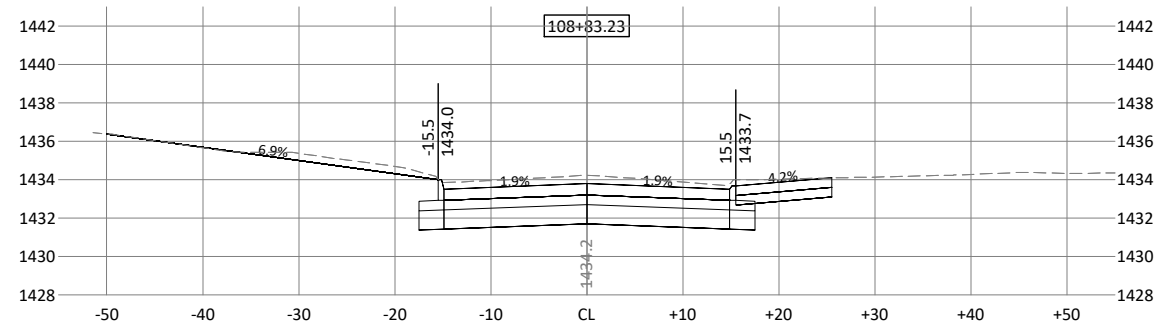
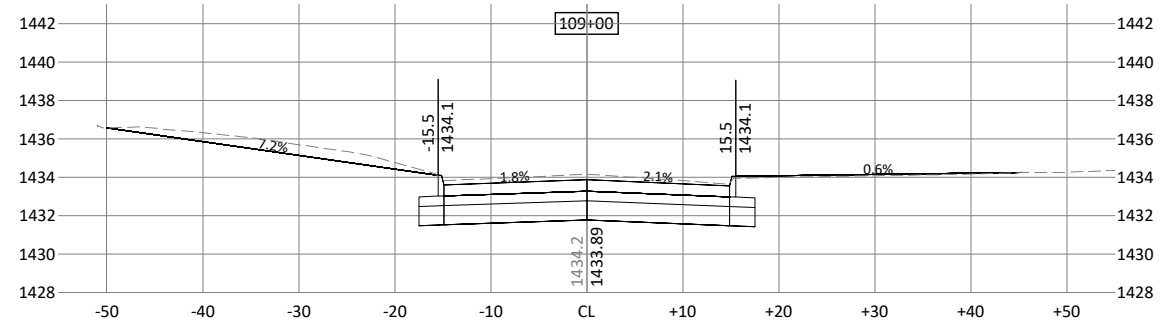
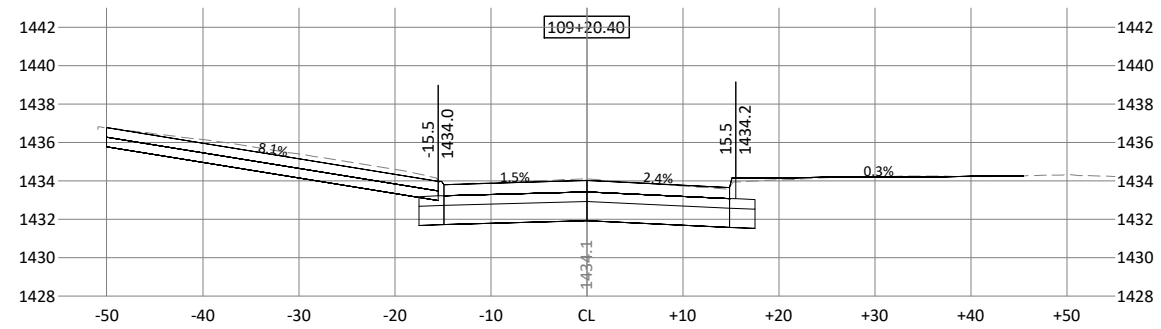
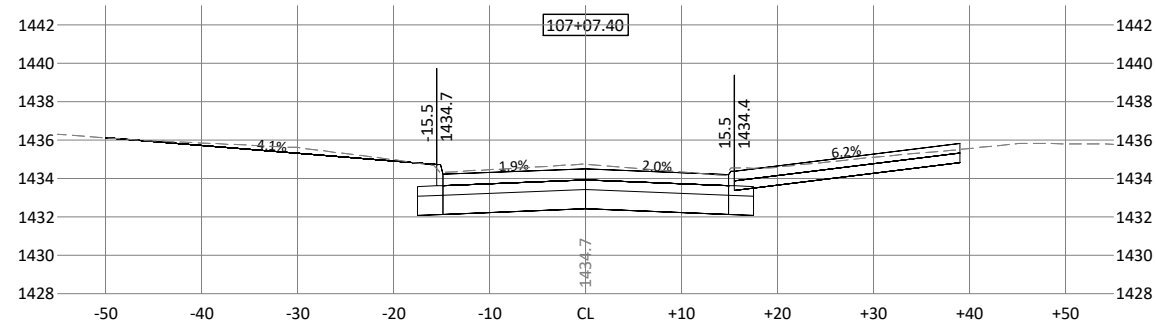
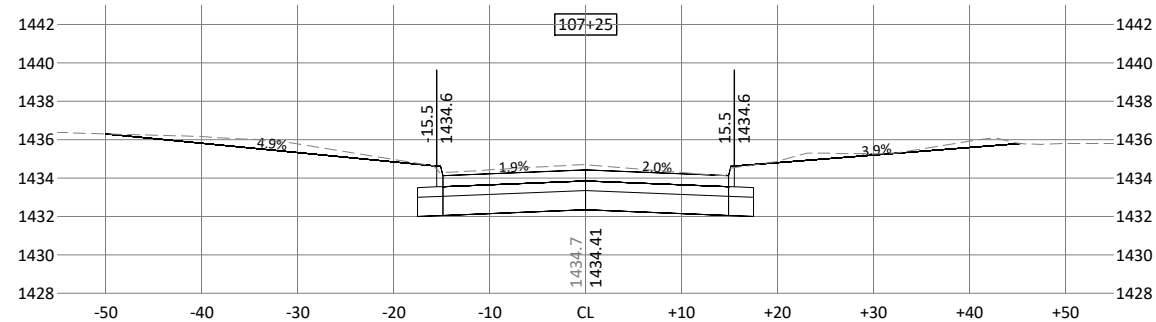
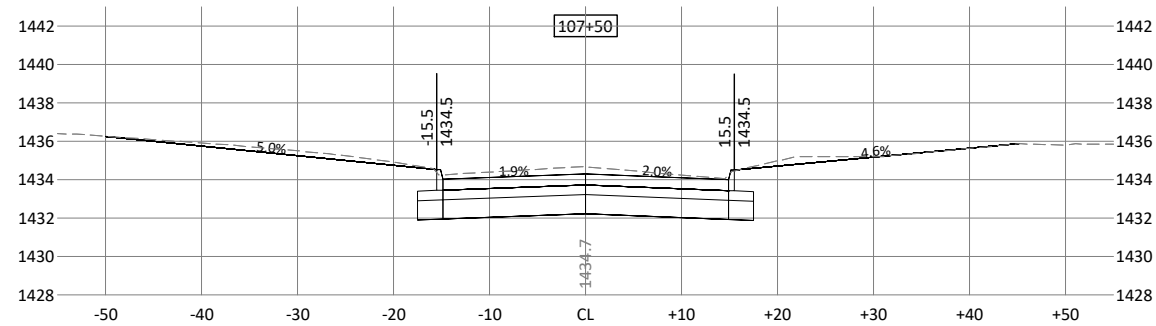
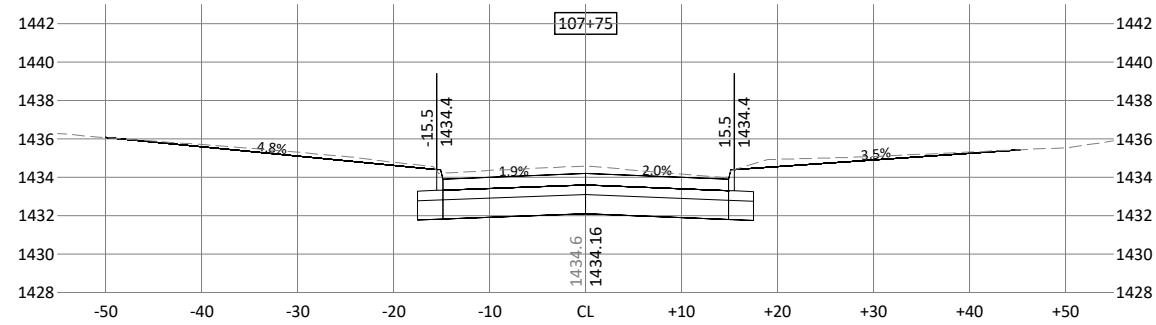
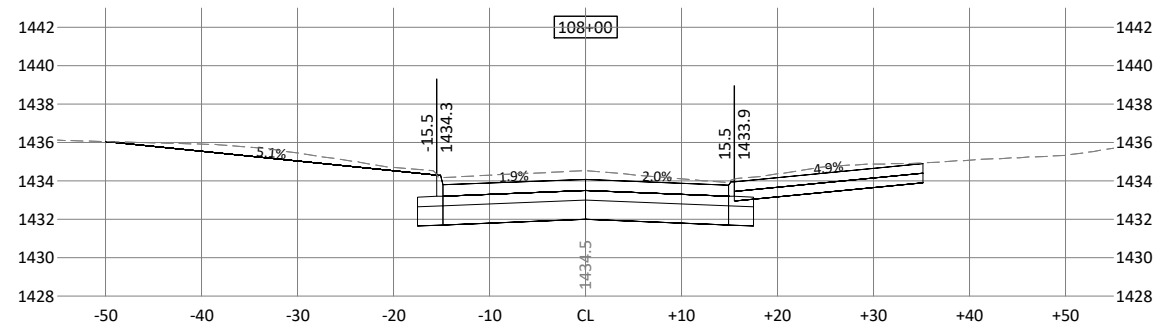


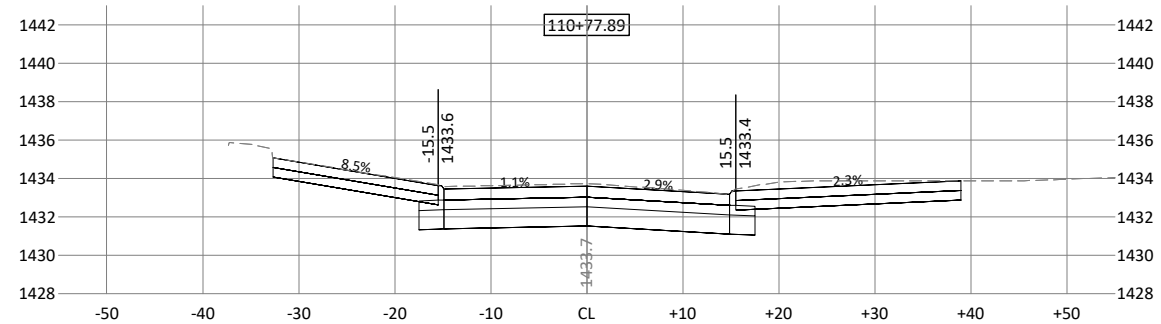
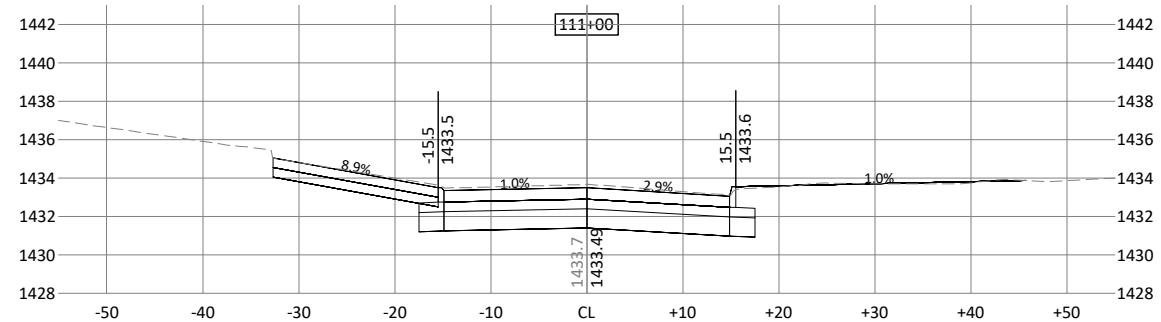
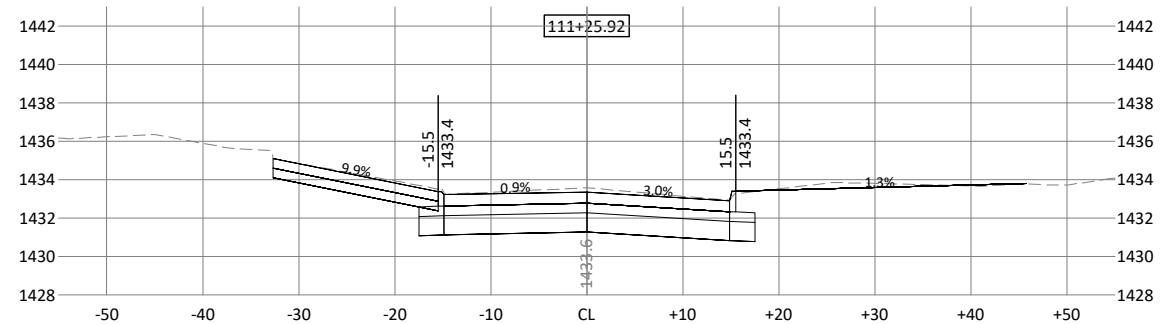
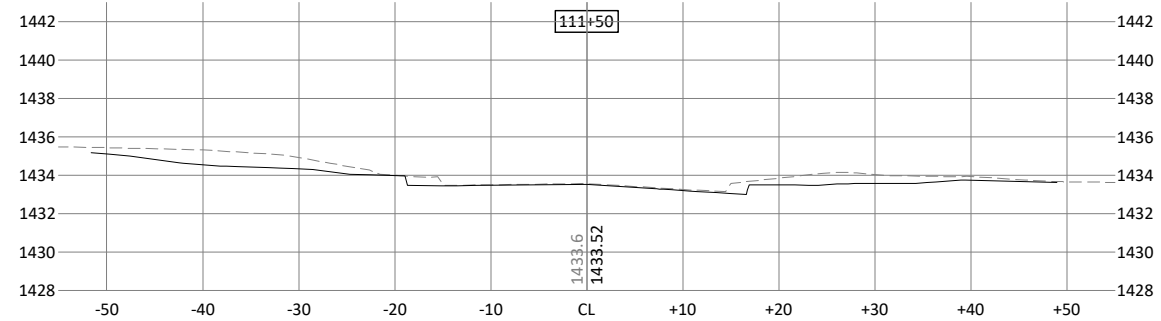
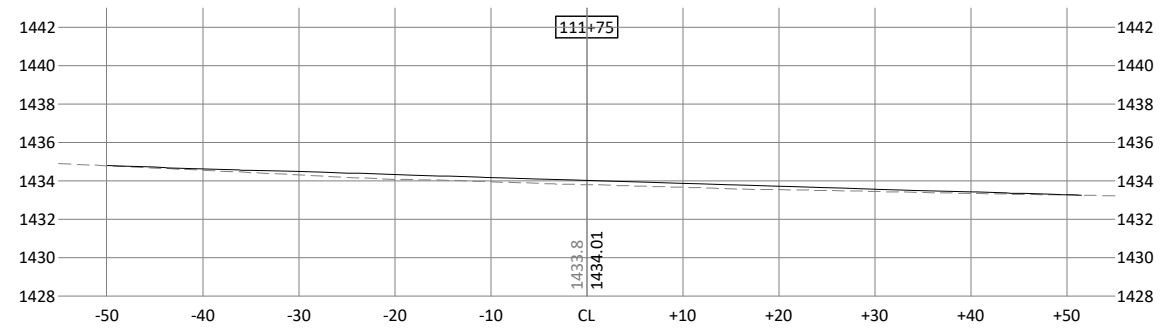
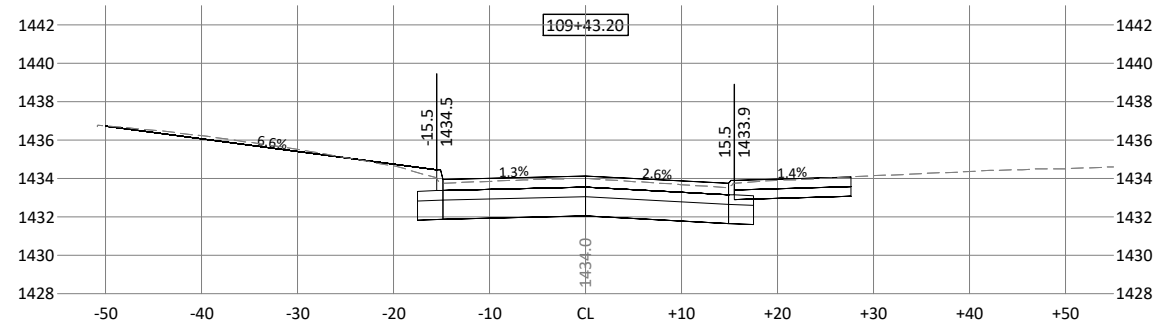
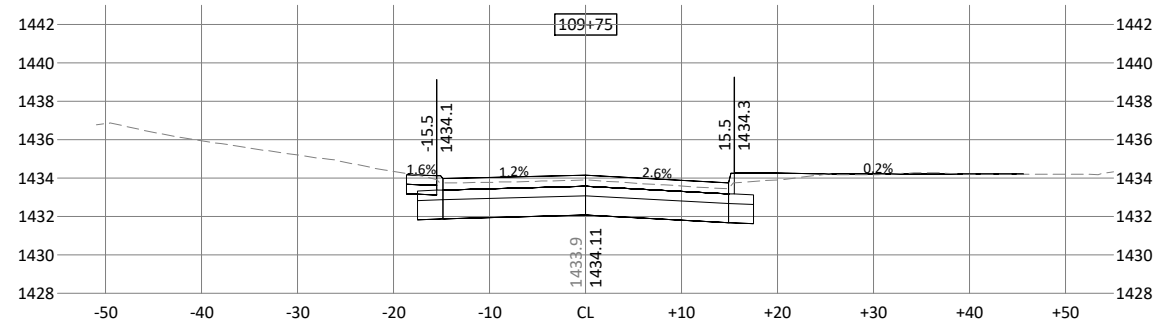
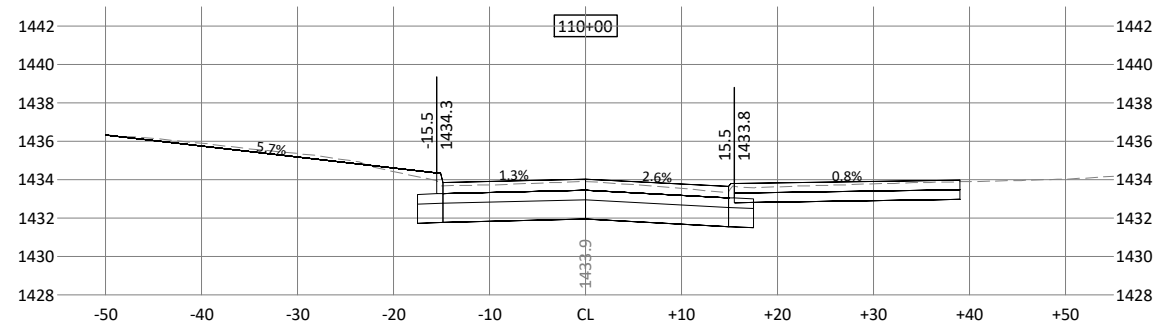
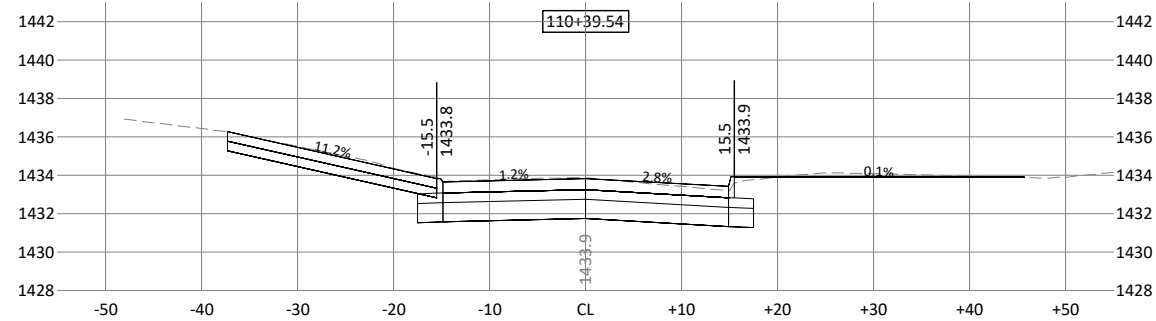
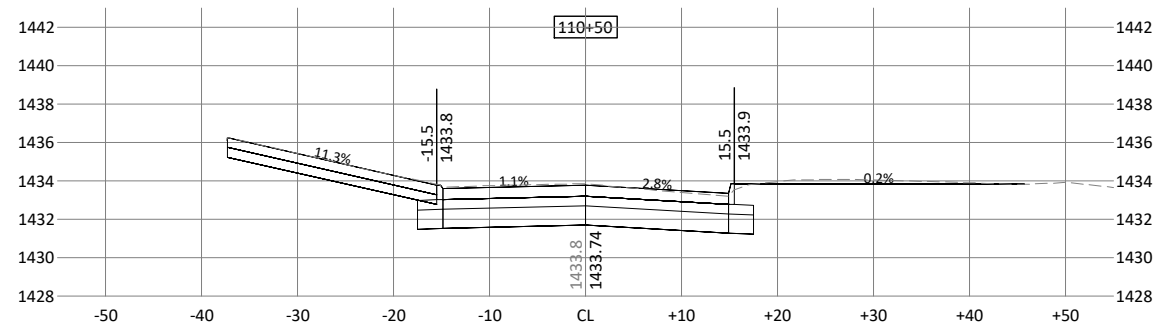
SIDEWALK COMPLIANCE														113-10
														04-18-17
* Does not include curb														
1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.														
Point to Point		Sidewalk Designation	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? 1	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
			FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
W1301	W1302	Ramp Running Slope	10.47	0.41	3.9%	0.5% to 8.3%					W1301	120+74.00	17.29	1435.59
W1302	W1303	Ramp Running Slope	12.19	-0.51	-4.2%	0.5% to 8.3%					W1302	120+74.00	27.69	1436.00
W1303	W1304	Crosswalk Cross Slope - Yield Condition	4.99	-0.05	-1.0%	0.0% to 2.0%					W1303	120+61.81	27.69	1435.49
W1304	W1305	Ramp Running Slope	14.47	0.51	3.5%	0.5% to 8.3%					W1304	120+59.53	32.71	1435.44
W1305	W1306	Landing/Turning Space	6.32	0.01	0.2%	0.1% to 2.0%					W1305	120+74.00	32.68	1435.95
W1306	W1307	Landing/Turning Space	4.99	-0.02	-0.4%	0.1% to 2.0%					W1306	120+80.35	32.67	1435.96
W1307	W1308	Ramp Running Slope	12.01	-0.30	-2.5%	0.5% to 8.3%					W1307	120+80.32	27.69	1435.94
W1308	W1301	Crosswalk Cross Slope - Yield Condition	6.32	-0.05	-0.8%	0.0% to 2.0%					W1308	120+80.25	15.68	1435.64
W1302	W1305	Landing/Turning Space	4.99	-0.05	-1.0%	0.1% to 2.0%								
W1302	W1307	Landing/Turning Space	6.32	-0.06	-0.9%	0.1% to 2.0%								
W1401	W1402	Ramp Running Slope	19.27	0.55	2.9%	0.5% to 8.3%					W1401	120+55.59	44.52	1436.17
W1402	W1403	Ramp Running Slope	28.30	-0.95	-3.4%	0.5% to 8.3%					W1402	120+74.73	44.52	1436.72
W1403	W1404	Crosswalk Cross Slope - No Yield Condition	4.50	-0.12	-2.7%	0.0% to 5.0%					W1403	120+75.03	16.10	1435.77
W1404	W1405	Ramp Running Slope	28.88	1.10	3.8%	0.5% to 8.3%					W1404	120+79.03	16.05	1435.65
W1405	W1406	Landing/Turning Space	4.50	0.08	1.8%	0.1% to 2.0%					W1405	120+79.31	44.52	1436.75
W1406	W1407	Landing/Turning Space	4.50	-0.05	-1.1%	0.1% to 2.0%					W1406	120+79.23	49.02	1436.83
W1407	W1408	Ramp Running Slope	19.17	-0.69	-3.6%	0.5% to 8.3%					W1407	120+75.03	49.02	1436.78
W1408	W1401	Crosswalk Cross Slope - Yield Condition	4.50	0.08	1.8%	0.0% to 2.0%					W1408	120+55.46	49.02	1436.09
W1402	W1405	Landing/Turning Space	4.50	0.03	0.7%	0.1% to 2.0%								
W1402	W1407	Landing/Turning Space	4.50	0.06	1.3%	0.1% to 2.0%								



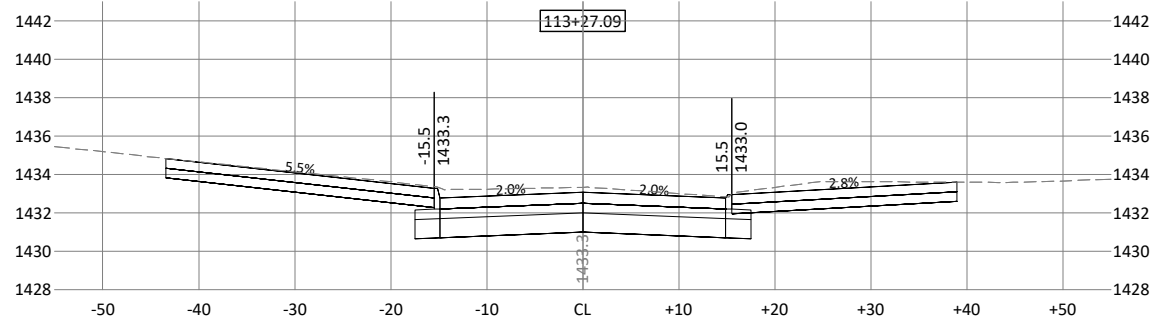
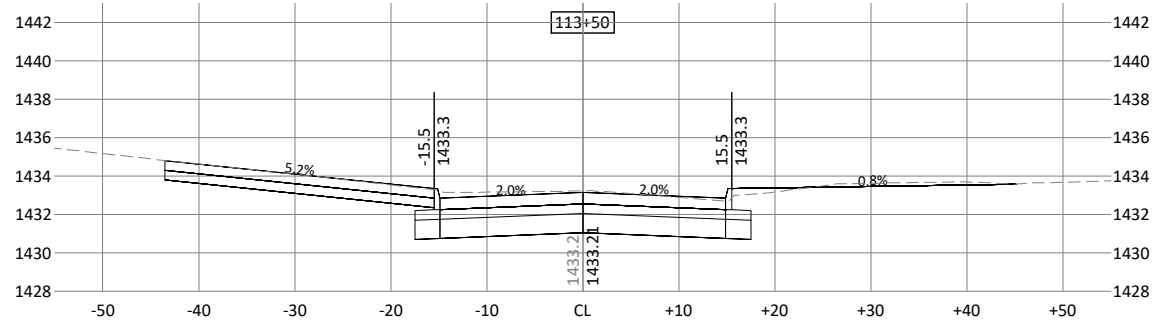
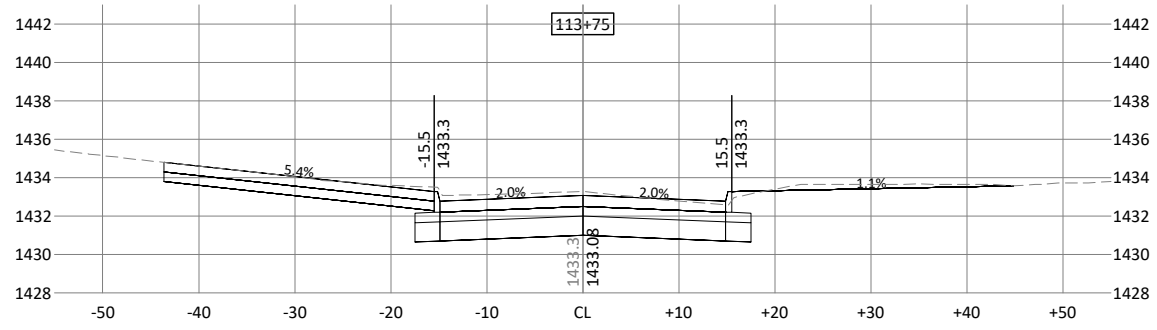
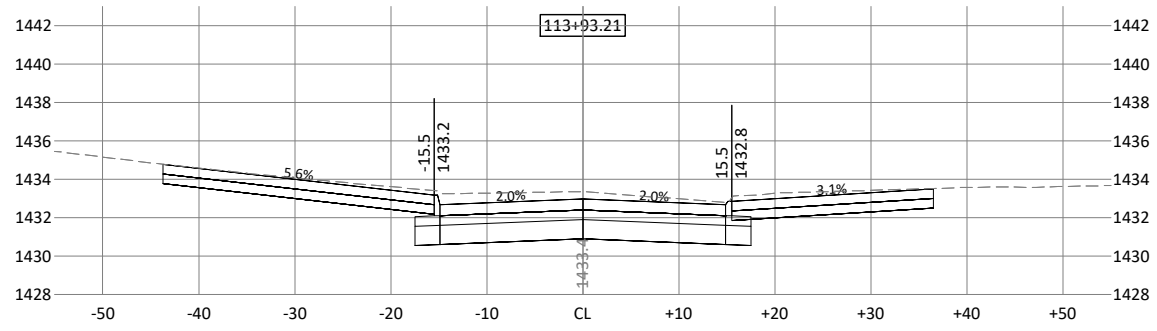
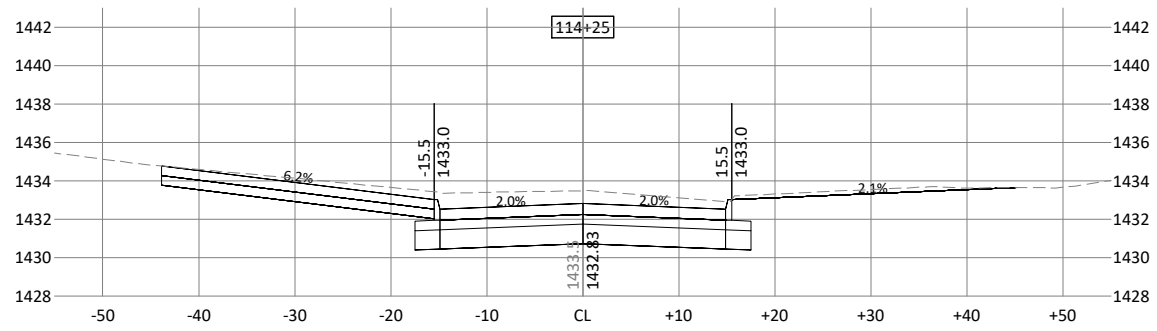
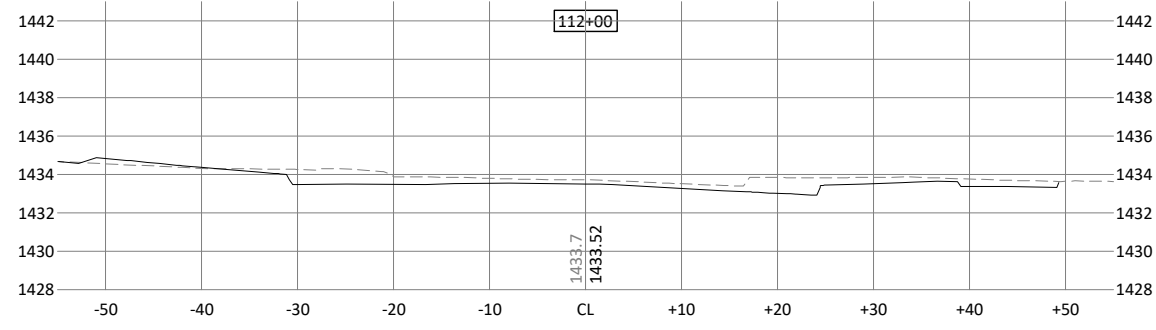
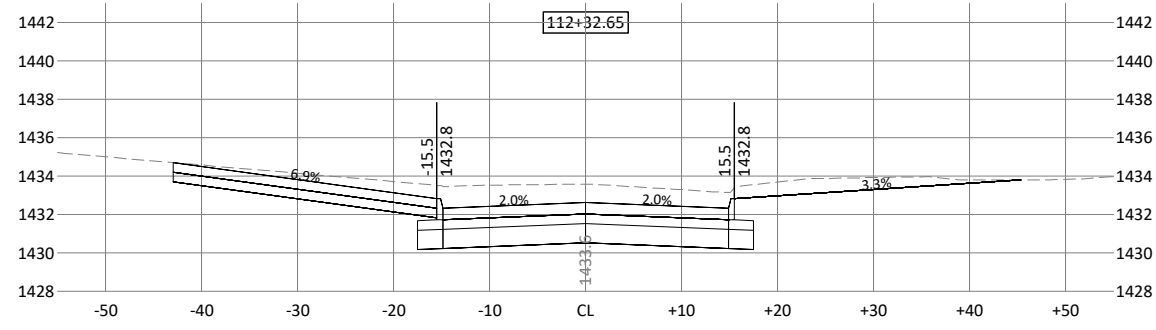
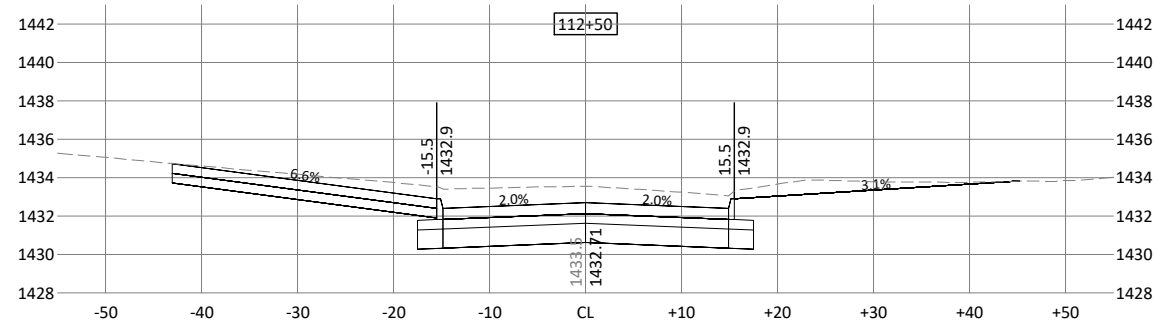
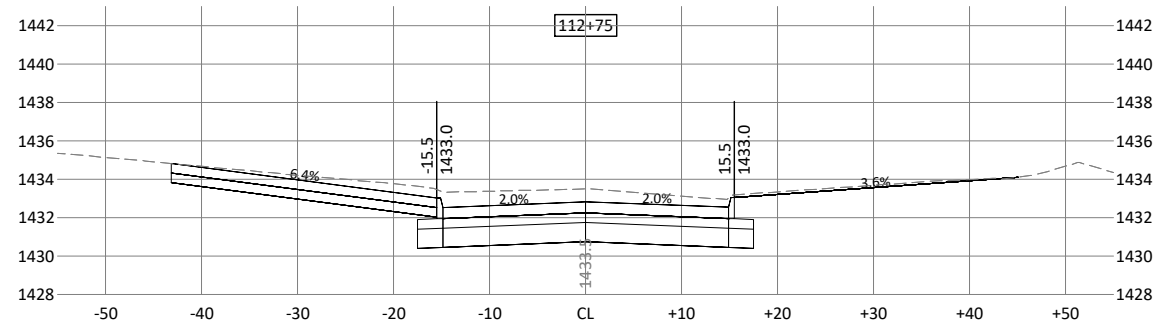
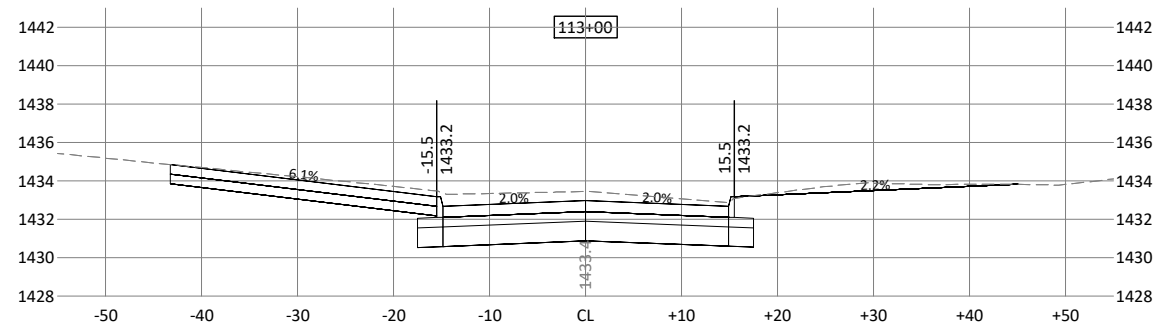
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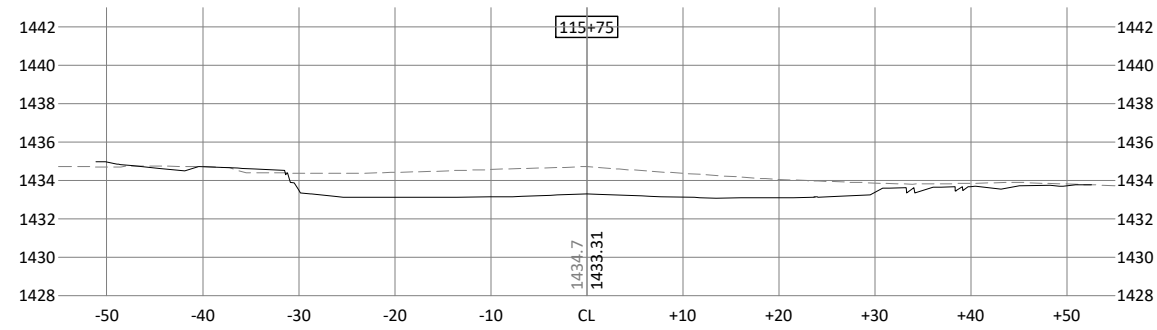
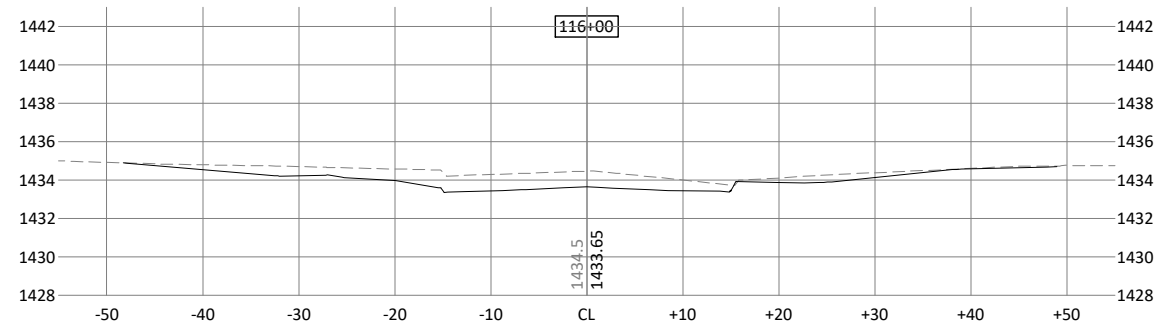
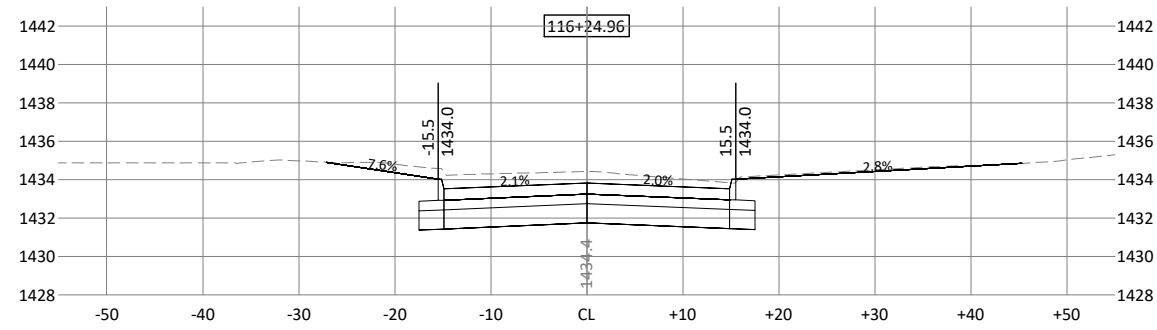
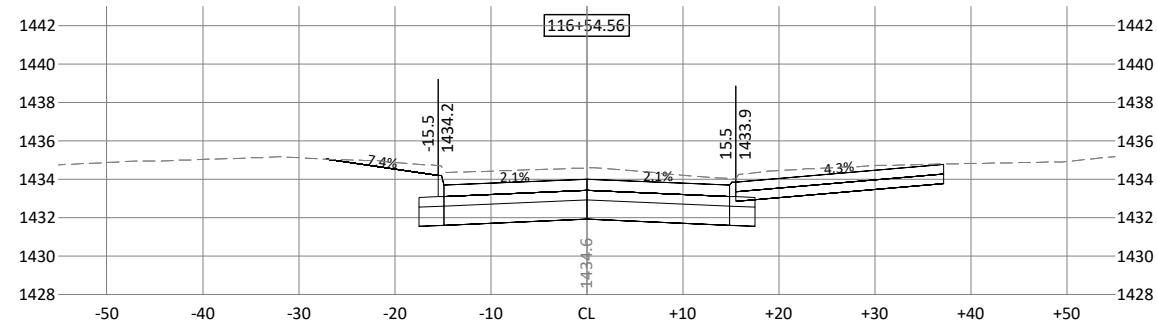
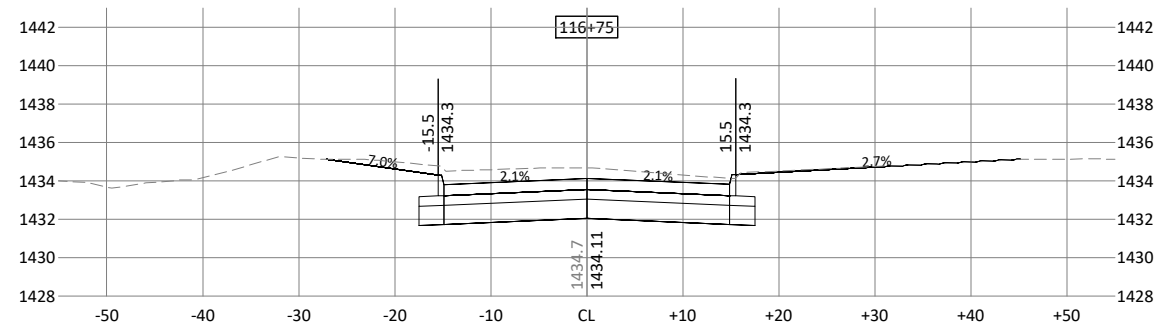
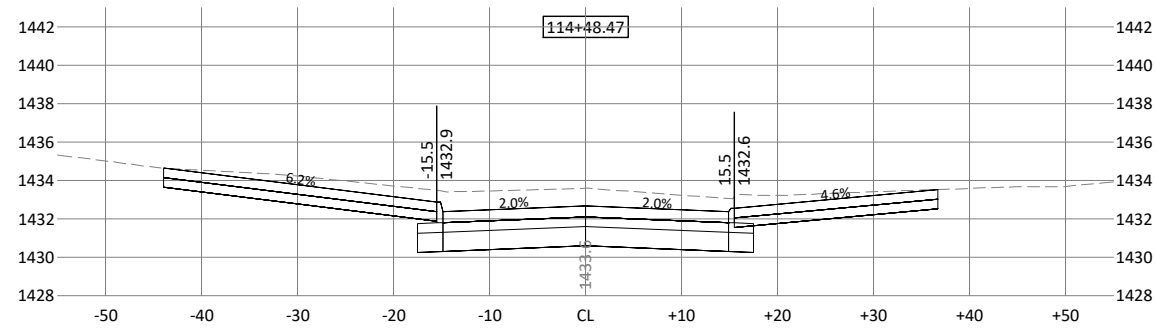
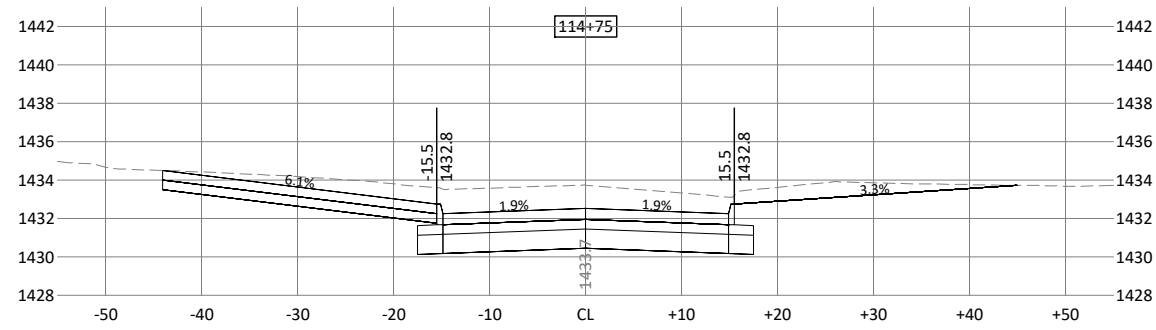
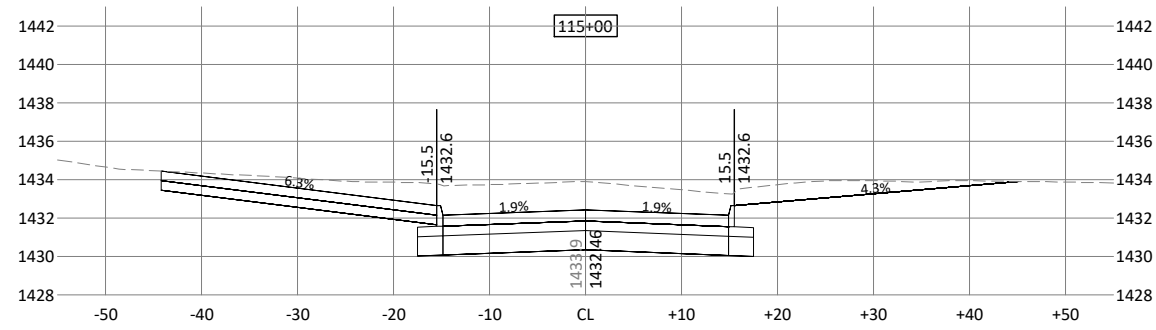
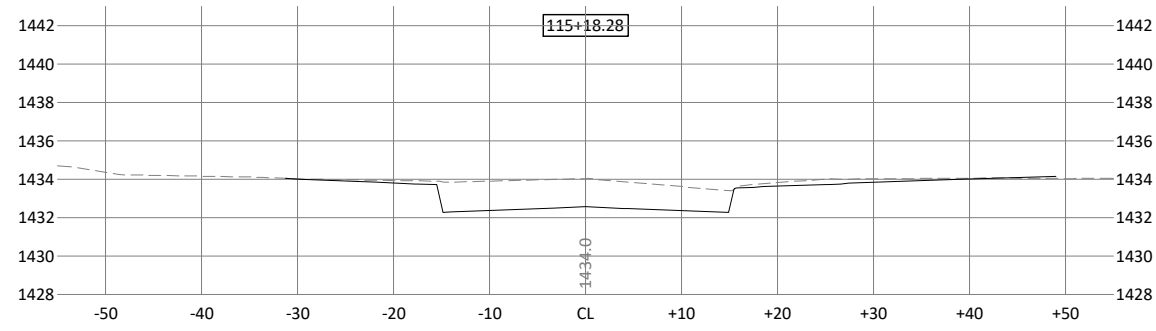
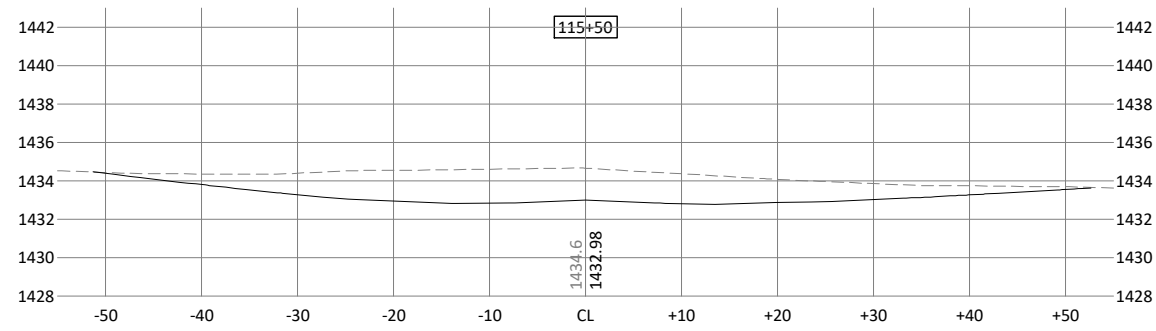




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ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER

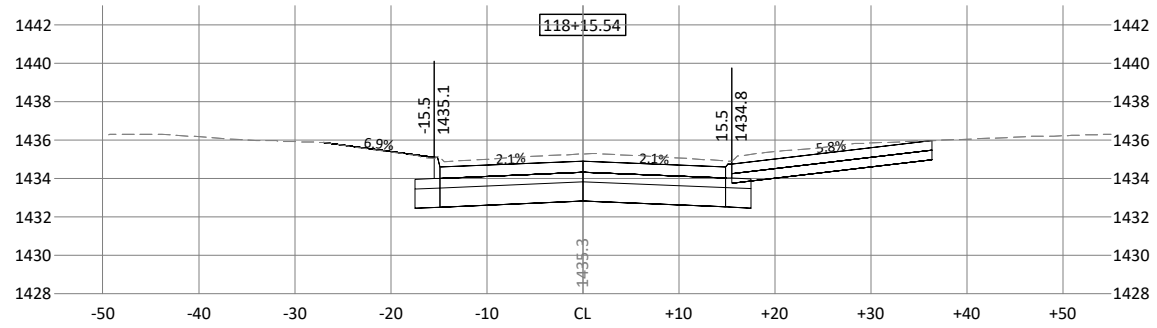
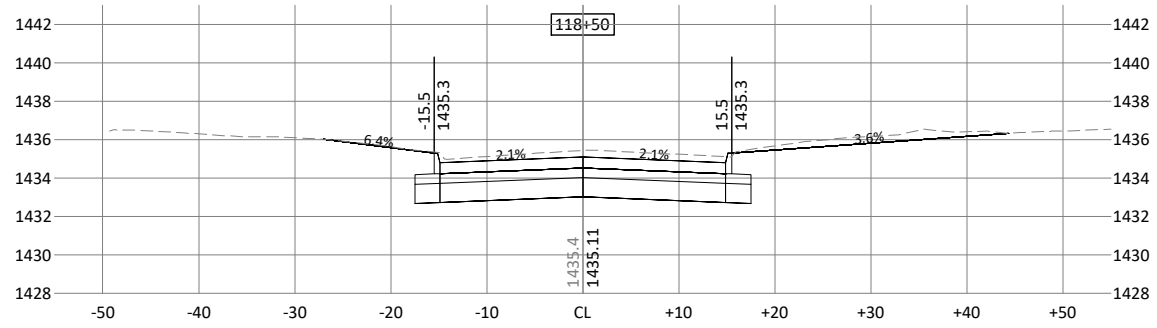
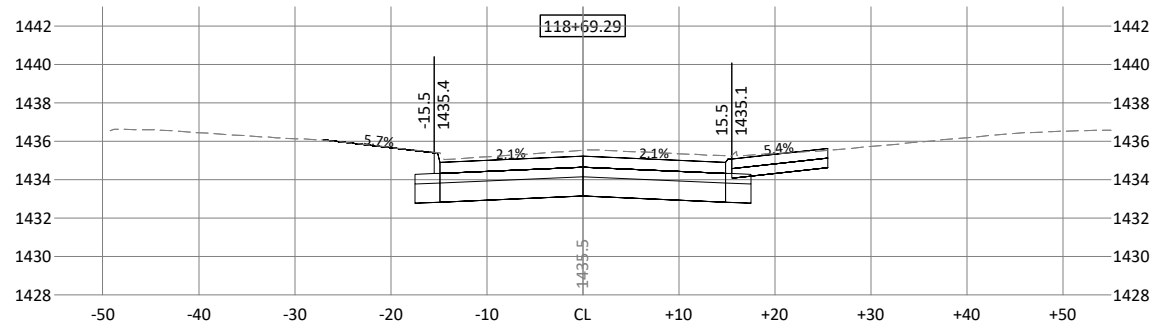
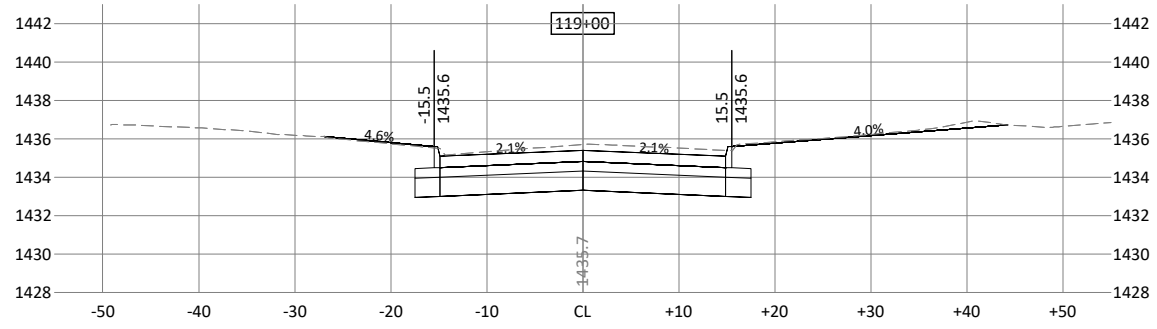
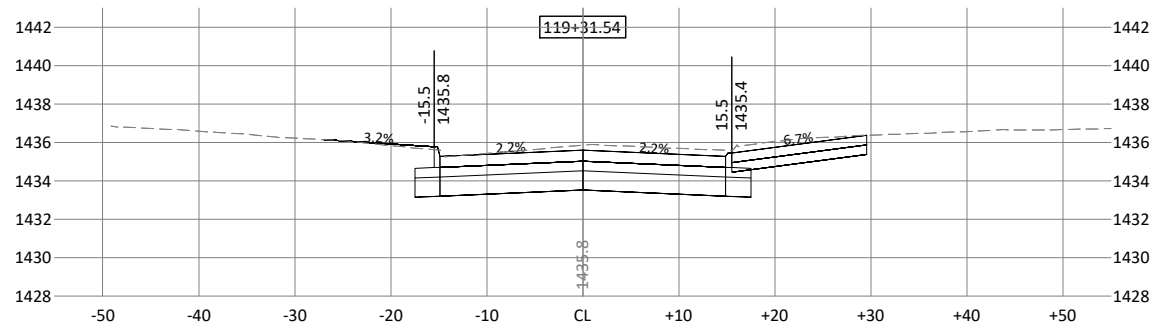
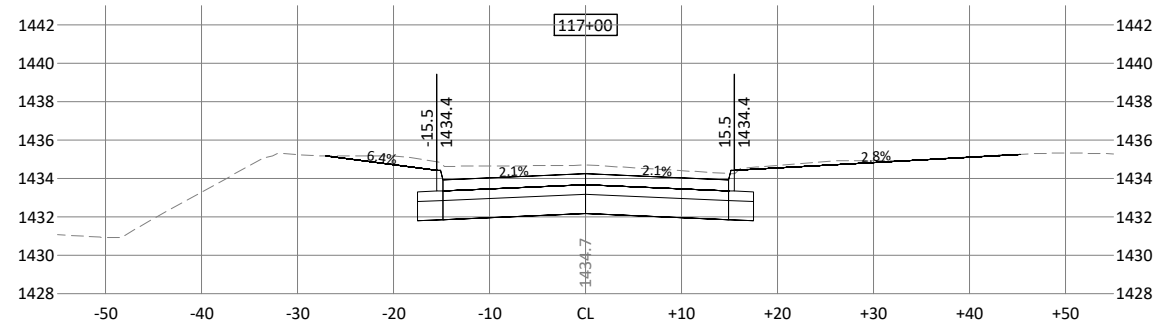
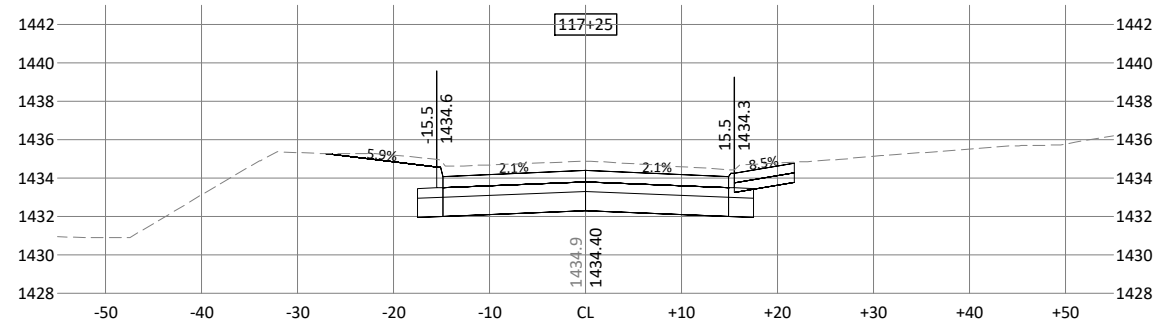
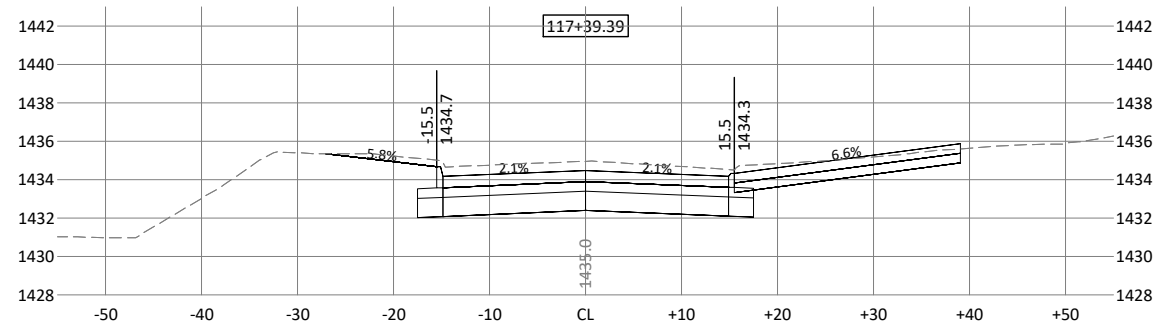
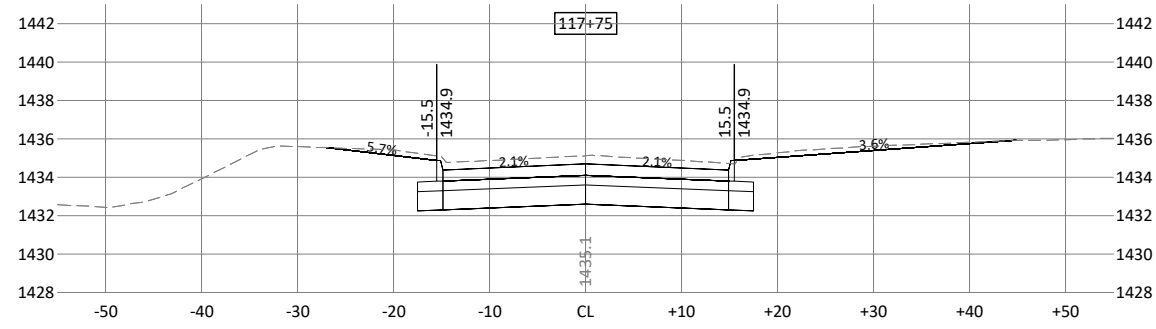
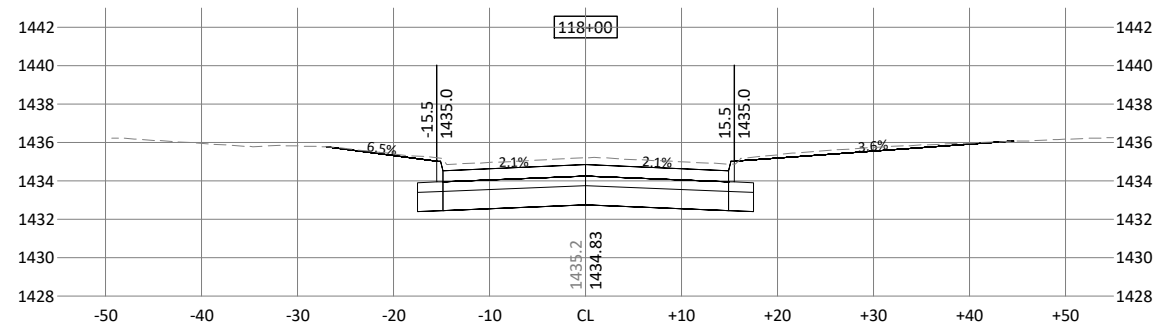
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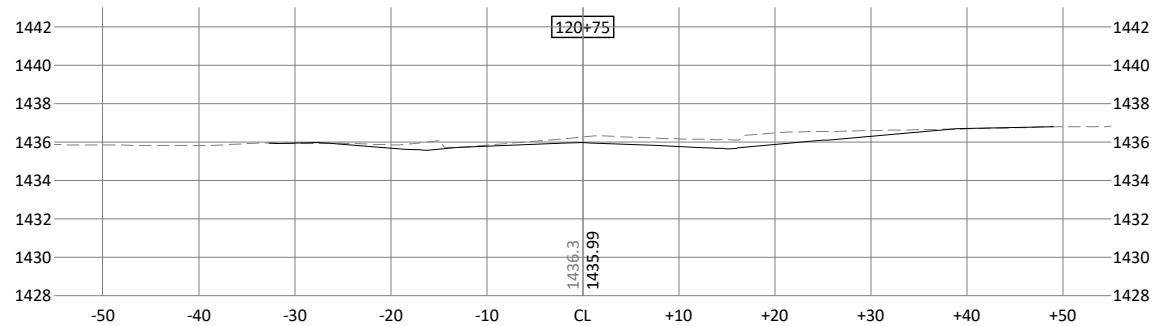
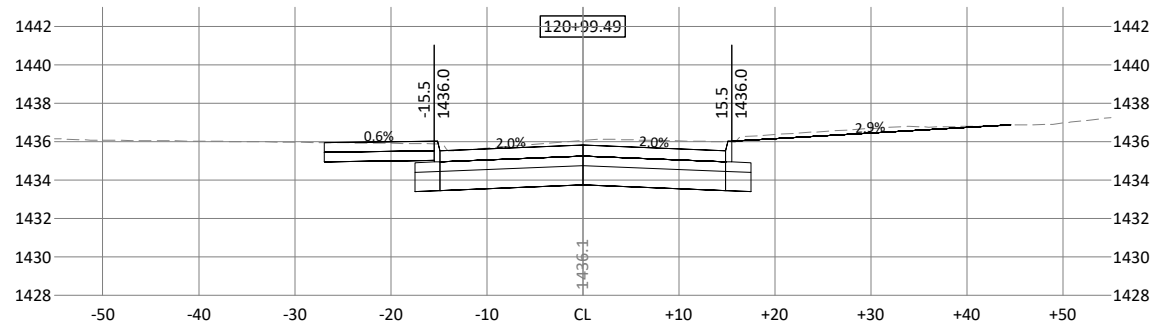
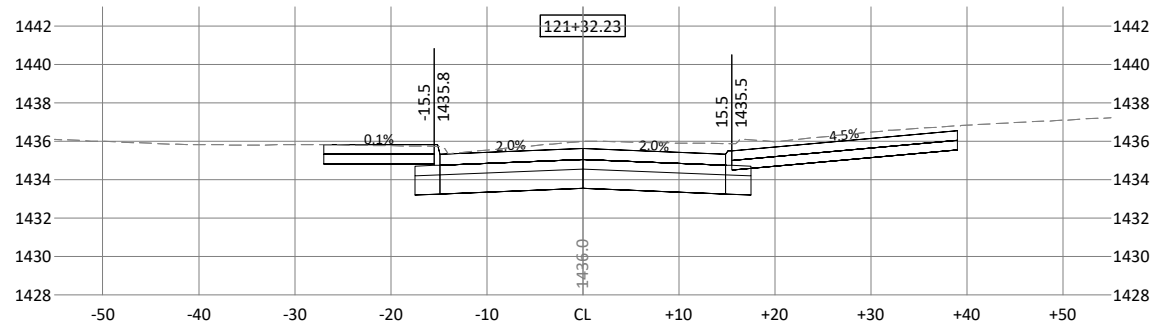
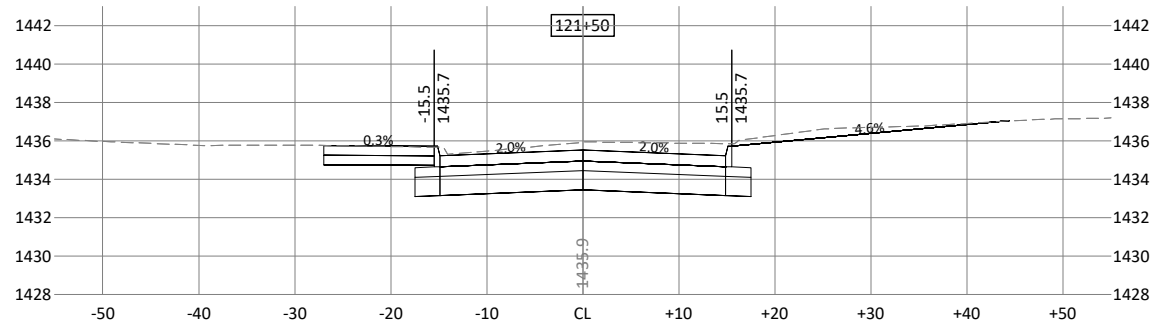
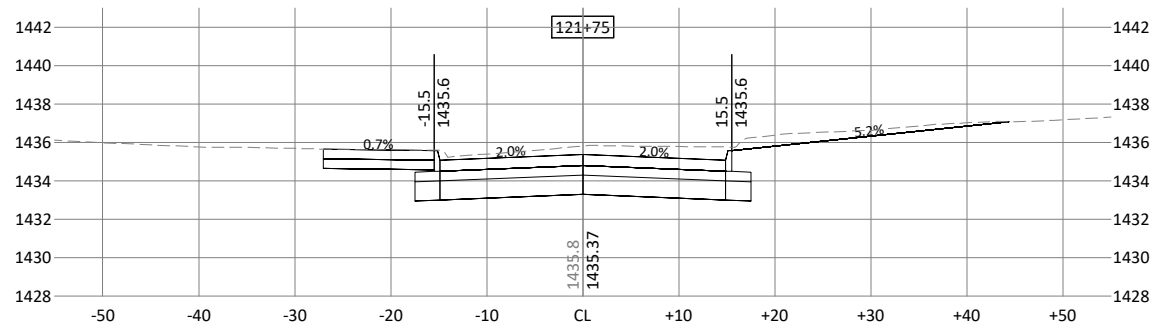
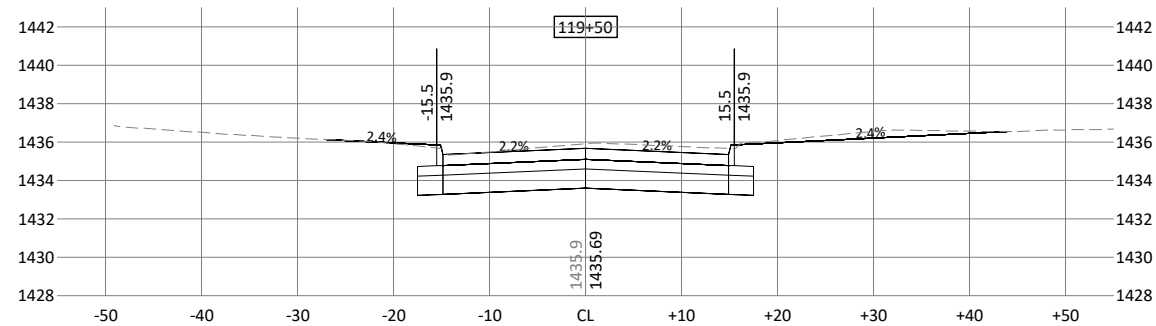
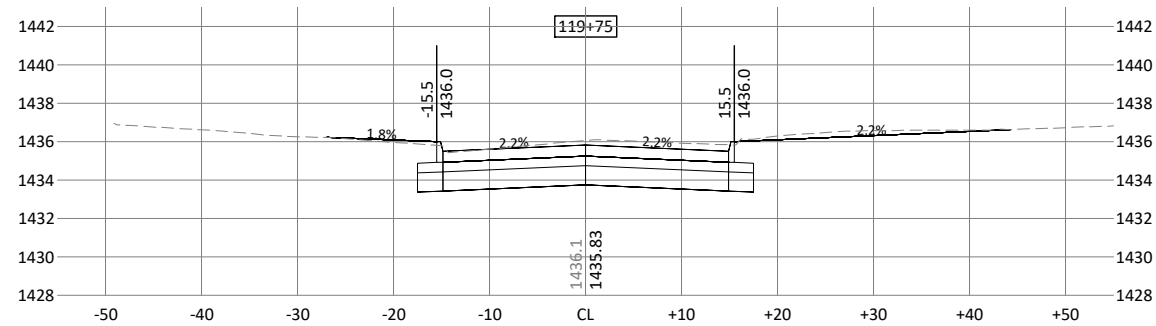
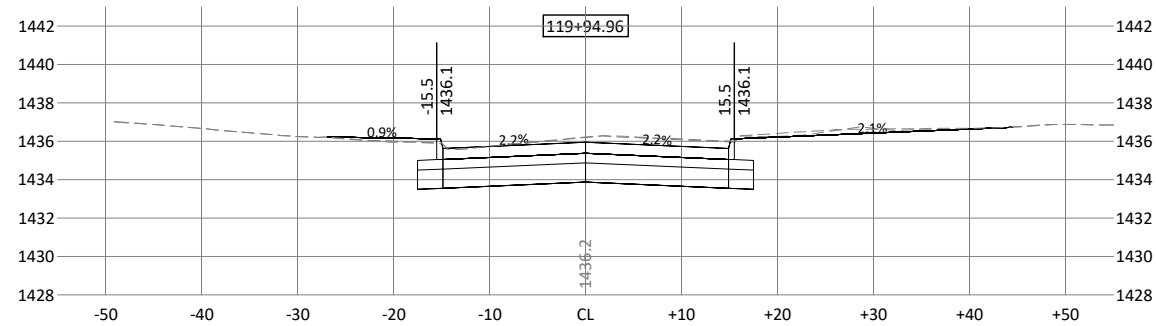
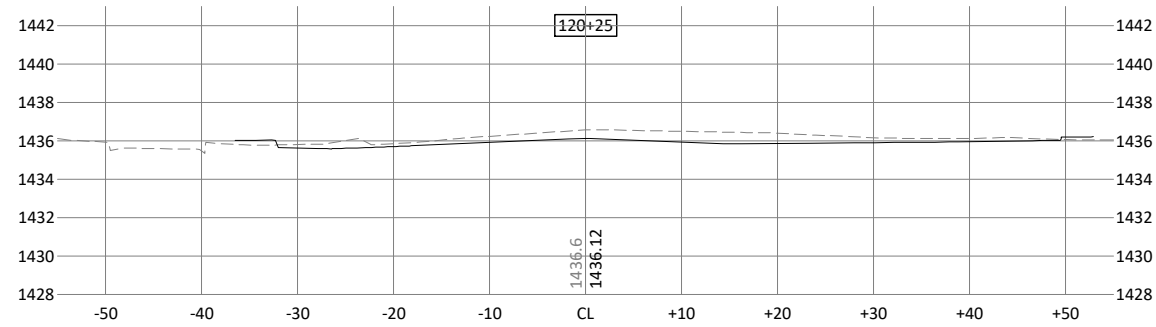
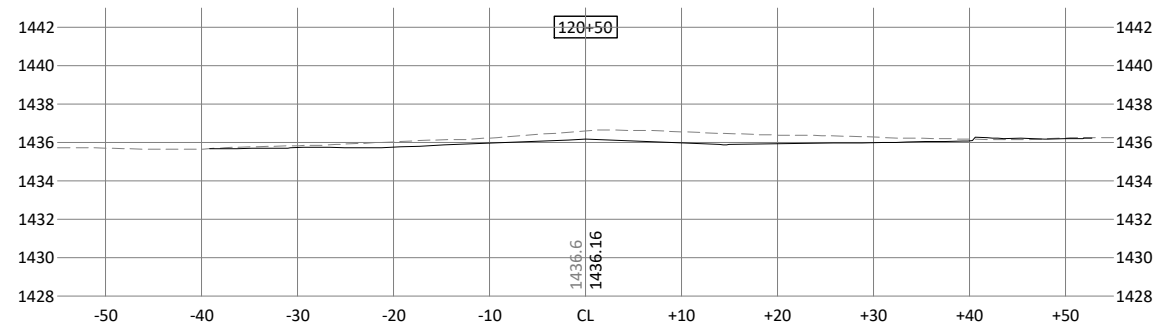
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ENGLISH

IOWA DOT

DESIGN TEAM

POPE / BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER

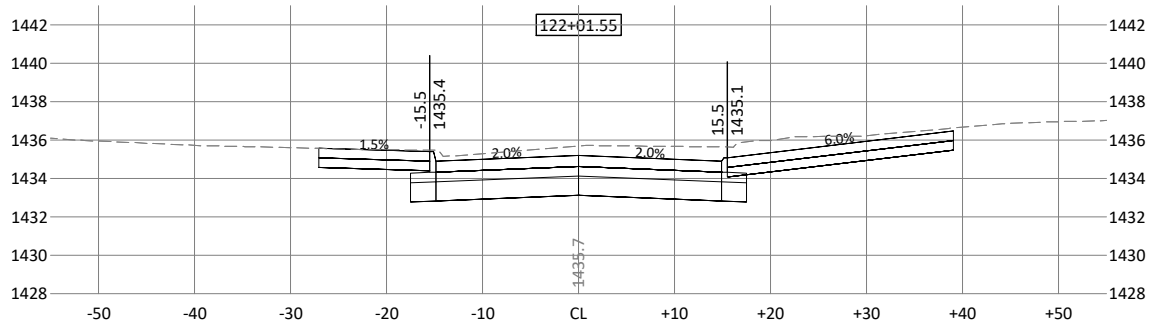
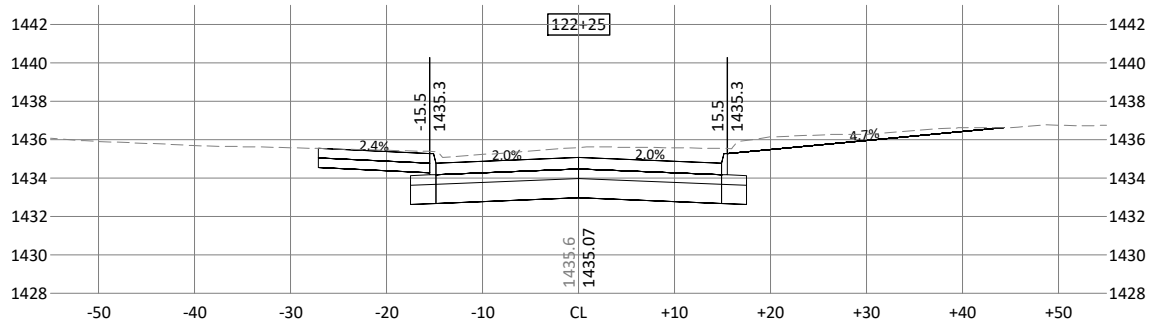
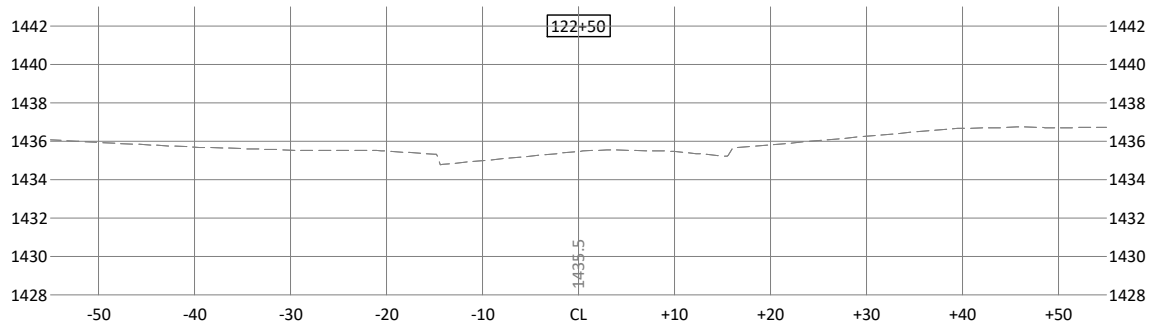
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ENGINEER'S ESTIMATE**2020 STREET & UTILITY IMPROVEMENTS****CITY OF STORM LAKE**

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



Real People. Real Solutions.

October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
1	CLEARING AND GRUBBING	UNIT	160.0	-	160	\$30.00	\$4,800.00
2	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	6483.0	-	6483	\$15.00	\$97,245.00
3	TOPSOIL, FURNISH AND SPREAD	CY	1236.0	-	1236	\$60.00	\$74,160.00
4	SPECIAL COMPACTION OF SUBGRADE	STA	21.0	-	21	\$1,080.00	\$22,680.00
5	MODIFIED SUBBASE	CY	1843.0	-	1843	\$64.00	\$117,952.00
6	SHOULDER FINISHING, EARTH	STA	30.0	-	30	\$480.00	\$14,400.00
7	RELOCATION OF MAIL BOXES	EACH	1.0	-	1	\$500.00	\$500.00
8	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS A, CLASS 3 DURABILITY, 7"	SY	8481.0	-	8481	\$50.00	\$424,050.00
9	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	21.0	-	21	\$34.00	\$714.00
10	MANHOLE, SANITARY SEWER, SW-301, 48"	EACH	-	1.0	1	\$6,600.00	\$6,600.00
11	MANHOLE, STORM SEWER, SW-401, 48"	EACH	1.0	-	1	\$4,000.00	\$4,000.00
12	MANHOLE, STORM SEWER, SW-401, 60"	EACH	3.0	-	3	\$6,000.00	\$18,000.00
13	MANHOLE, STORM SEWER, SW-401, 72"	EACH	1.0	-	1	\$7,000.00	\$7,000.00
14	MANHOLE, STORM SEWER, SW-401, 84"	EACH	1.0	-	1	\$9,500.00	\$9,500.00
15	MANHOLE, STORM SEWER, SW-402 MODIFIED	EACH	1.0	-	1	\$9,000.00	\$9,000.00
16	INTAKE, SW-501	EACH	10.0	-	10	\$3,400.00	\$34,000.00
17	INTAKE, SW-502, 48"	EACH	3.0	-	3	\$4,000.00	\$12,000.00
18	INTAKE, SW-502, 60"	EACH	3.0	-	3	\$6,000.00	\$18,000.00
19	INTAKE, SW-505	EACH	4.0	-	4	\$4,500.00	\$18,000.00
20	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6"	LF	3984.0	-	3984	\$14.00	\$55,776.00
21	SUBDRAIN RISER, 6", AS PER PLAN	EACH	21.0	-	21	\$600.00	\$12,600.00
22	SUBDRAIN OUTLET, DR-303	EACH	37.0	-	37	\$315.00	\$11,655.00
23	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24"	LF	16.0	-	16	\$70.00	\$1,120.00
24	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30"	LF	22.0	-	22	\$78.00	\$1,716.00
25	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 36"	LF	50.0	-	50	\$115.00	\$5,750.00
26	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 12"	LF	8.0	-	8	\$250.00	\$2,000.00
27	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 15"	LF	943.0	-	943	\$60.00	\$56,580.00
28	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 3750D, 18"	LF	83.0	-	83	\$63.00	\$5,229.00
29	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 24 IN	LF	753.0	-	753	\$60.00	\$45,180.00
30	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONCRETE PIPE, EQUIVALENT DIAMETER 30 IN	LF	359.0	-	359	\$64.00	\$22,976.00
31	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	2155.0	-	2155	\$17.00	\$36,635.00
32	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8"	LF	-	66.0	66	\$100.00	\$6,600.00
33	SANITARY SEWER SERVICE STUB, PVC, 4"	LF	-	57.0	57	\$75.00	\$4,275.00

ENGINEER'S ESTIMATE**2020 STREET & UTILITY IMPROVEMENTS****CITY OF STORM LAKE**

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



Real People. Real Solutions.

October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
34	SANITARY SEWER SERVICE STUB, PVC, 6"	LF	-	46.0	46	\$92.00	\$4,232.00
35	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36"	LF	-	66.0	66	\$30.00	\$1,980.00
36	REMOVAL OF PAVEMENT	SY	9393.0	-	9393	\$4.00	\$37,572.00
37	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	19.0	-	19	\$500.00	\$9,500.00
38	REMOVAL OF SIDEWALK	SY	429.0	-	429	\$10.00	\$4,290.00
39	SIDEWALK, PCC, 5"	SY	117.0	-	117	\$54.00	\$6,318.00
40	SIDEWALK, PCC, 6"	SY	298.0	-	298	\$59.00	\$17,582.00
41	DETECTABLE WARNING	SF	216.0	-	216	\$43.00	\$9,288.00
42	DRIVEWAY, PCC, 6"	SY	2925.0	-	2925	\$60.00	\$175,500.00
43	REMOVAL OF PAVED DRIVEWAY	SY	2255.0	-	2255	\$7.00	\$15,785.00
44	SAFETY CLOSURE	EACH	14.0	-	14	\$150.00	\$2,100.00
45	REMOVE AND REINSTALL SIGN	EACH	17.0	-	17	\$215.00	\$3,655.00
46	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT	STA	5.57	-	5.57	\$500.00	\$2,785.00
47	PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT	EACH	2.0	-	2	\$200.00	\$400.00
48	TRAFFIC CONTROL	LS	0.8	0.2	1	\$30,000.00	\$30,000.00
49	MOBILIZATION	LS	0.8	0.2	1	\$50,000.00	\$50,000.00
50	TRENCH FOUNDATION	TON	50.0	150.0	200	\$36.00	\$7,200.00
51	WATER MAIN, TRENCHED, PVC, 6"	LF	-	2066.0	2066	\$53.00	\$109,498.00
52	FITTINGS BY WEIGHT, DUCTILE IRON	LB	-	745.0	745	\$10.00	\$7,450.00
53	WATER SERVICE STUB, POLYETHYLENE, 1"	LF	-	199.0	199	\$37.00	\$7,363.00
54	WATER SERVICE CURB STOP & BOX	EACH	-	12.0	12	\$800.00	\$9,600.00
55	VALVE, GATE, DIP, 4"	EACH	-	4.0	4	\$1,300.00	\$5,200.00
56	VALVE, GATE, DIP, 6"	EACH	-	12.0	12	\$1,600.00	\$19,200.00
57	FIRE HYDRANT ASSEMBLY, WM-201	EACH	-	5.0	5	\$5,500.00	\$27,500.00
58	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.0	-	1	\$1,200.00	\$1,200.00
59	CONNECT TO EXISTING SANITARY SEWER	EACH	-	4.0	4	\$250.00	\$1,000.00
60	CONNECT TO EXISTING STORM SEWER	EACH	1.0	-	1	\$400.00	\$400.00
61	CONNECT TO EXISTING WATER MAIN	EACH	-	9.0	9	\$2,000.00	\$18,000.00
62	SALVAGE FIRE HYDRANT	EACH	-	4.0	4	\$850.00	\$3,400.00
63	SANITARY SEWER SERVICE REPAIR	EACH	-	5.0	5	\$2,000.00	\$10,000.00
64	TILE REPAIR	EACH	5.0	-	5	\$950.00	\$4,750.00
65	YARD HYDRANT	EACH	-	1.0	1	\$3,000.00	\$3,000.00
66	EXPLORATORY EXCAVATION	HOUR	16.0	3.0	19	\$400.00	\$7,600.00
67	SWEEPING	HOUR	49.0	-	49	\$200.00	\$9,800.00

ENGINEER'S ESTIMATE

2020 STREET & UTILITY IMPROVEMENTS

CITY OF STORM LAKE

IDOT Project Number: STBG-SWAP-7422(618)--SG-11



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October 26, 2020

Item No.	Item	Unit	PARTICIPATING	NON-PARTICIPATING	TOTAL	Unit Price	Total Amount
68	4" SUBDRAIN STUB	LF	120.0	-	120	\$30.00	\$3,600.00
69	WATERMAIN REMOVAL OR ABANDONMENT	LF	-	1918.0	1918	\$15.00	\$28,770.00
70	GARBAGE SERVICE MAINTENANCE	LS	1.0	-	1	\$5,000.00	\$5,000.00
71	TEMPORARY MAIL SERVICE MAINTENANCE	LS	1.0	-	1	\$5,000.00	\$5,000.00
72	TEMPORARY WATER	LS	-	1.0	1	\$50,000.00	\$50,000.00
73	DUST CONTROL	MGAL	500.0	-	500	\$35.00	\$17,500.00
74	POLYSTYRENE INSULATION, 4"	SY	-	25.0	25	\$180.00	\$4,500.00
75	TEMPORARY GRANULAR SURFACE CASE 1	SY	1615.0	-	1615	\$10.00	\$16,150.00
76	TEMPORARY ROLLED EROSION CONTROL PRODUCTS (RECP), TYPE 1B	SY	9600.0	-	9600	\$2.00	\$19,200.00
77	GRANULAR SUBBASE	TON	5905.0	-	5905	\$23.00	\$135,815.00
78	TEMPORARY GRANULAR SURFACE CASE 2	TON	150.0	-	150	\$30.00	\$4,500.00
79	MULCH, BONDED FIBER MATRIX	ACRE	2.0	-	2	\$4,500.00	\$9,000.00
80	SEED AND FERTILIZE (URBAN)	ACRE	2.0	-	2	\$4,000.00	\$8,000.00
81	HYDRAULIC SEEDING	ACRE	2.0	-	2	\$3,500.00	\$7,000.00
82	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	160.0	-	160	\$58.00	\$9,280.00
83	GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48	\$200.00	\$9,600.00
84	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	132.0	-	132	\$40.00	\$5,280.00
85	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	48.0	-	48	\$40.00	\$1,920.00
86	MOBILIZATION, EROSION CONTROL	EACH	10.0	-	10	\$500.00	\$5,000.00
Subtotals:			\$1,780,428.00	\$348,528.00			

OPINION OF PROBABLE CONSTRUCTION COST: \$2,128,956.00

NOTICE OF PUBLIC HEARING

Oneida Street Reconstruction Project, Phase 1 City of Storm Lake

Public Hearing on Proposed Contract Documents and Estimated Costs for Repair or Improvement.

A public hearing will be held by the City of Storm Lake on the proposed contract documents (plans, specifications and form of contract) and estimated cost for the improvement at its meeting at 5:00 P.M. on February 1, 2021, at 620 Erie Street, in Storm Lake, Iowa.

Project Description: Oneida Street Improvements from E. Milwaukee Avenue to E. Railroad Street including reconstruction of roadway, watermain, storm sewer, sanitary sewer, sidewalk, and related improvements.

This Notice is given by authority of the
City of Storm Lake

Mayra Martinez
City Clerk

Staff Summary

1/4/2021

Agenda Item # 9.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM: Keri Navratil, City Manager

SUBJECT: **Fiscal Year 2022-2026 Proposed Capital Improvement Plan Workshop**

BACKGROUND: Staff will answer questions regarding the Fiscal Year 2022-2026 Capital Improvement Plan for the both Enterprise and General Funds.

FISCAL IMPACT: N/A

RECOMMENDATION: Review and discuss the proposed Capital Improvement Plan for 2022-2026.

ATTACHMENTS:

Description	Type
❏ CIP 2022-2026 By Dept	Financial Report

City of Storm Lake, Iowa
Capital Improvement Plan

2022 thru 2026

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
Administration								
City Hall Updates	ADMN-17-01	3	20,000	20,000	20,000	20,000	20,000	100,000
Sesquicentennial Project	ADMN-23-01	n/a	2,500	10,000				12,500
Administration Total			22,500	30,000	20,000	20,000	20,000	112,500
Airport								
Airport Technology Upgrades	AIR-20-02	1	16,500					16,500
Lighting Replacement 17/35	AIR-21-01	2		46,870	421,830			468,700
Dump truck/Plow	AIR-21-02	4			225,000			225,000
Apron Expansion	AIR-26-01	1				70,776	636,984	707,760
Airport Total			16,500	46,870	646,830	70,776	636,984	1,417,960
Building/Code Enforcement								
Vehicle Replacement	CODE-20-01	2		35,000				35,000
Building/Code Enforcement Total				35,000				35,000
Campground								
Storage Building	CG-21-02	1	40,000					40,000
Additional Long Term Parking Lot	CG-22-03	4		250,000				250,000
Playground Equipment	CG-23-01	n/a		40,000				40,000
Picnic Table Concrete Pads	CG-25-01	n/a				10,000	10,000	20,000
Seal Coat	CG-25-02	n/a			65,000	60,000		125,000
Campground Total			40,000	290,000	65,000	70,000	10,000	475,000
Cottages								
Cottage Refresh/Remodel	COT-21-01	1			40,000			40,000
Cottages Total					40,000			40,000
Economic/Community Development								
Downtown Master/Comp/Zoning Plan	ED-18-01	3	250,000					250,000
New Housing Study	ED-22-01	n/a	10,000					10,000
Economic/Community Development Total			260,000					260,000
Emergency Management								
Hyland Drive/Hwy 110 Tornado Siren	EM-21-01	1		24,050				24,050
Tornado Siren Batteries	EM-22-01	n/a	3,000			3,000		6,000
Emergency Management Total			3,000	24,050		3,000		30,050
Fire Department								
FD Mobile Devices	FIRE-17-07	n/a			12,000			12,000

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
SCBA Replacement/Rotation	FIRE-18-01	1	14,000	14,000	6,900	6,900		41,800
Fire Hose	FIRE-19-02	2			4,000			4,000
FD Concrete Rehab	FIRE-21-09	n/a				225,000		225,000
Power Washer	FIRE-22-05	n/a	5,500					5,500
Pump Shaft for Aerial 71	FIRE-22-06	n/a	12,000					12,000
Replace Engine #75	FIRE-23-04	1			630,000			630,000
Fire Station Expansion/Remodel	FIRE-23-05	1					2,300,000	2,300,000
SARs Unit	FIRE-23-06	n/a		10,000				10,000
Multi-force Air Lifting Bags	FIRE-24-01	3			6,700			6,700
Trenching Shoring Kit	FIRE-24-03	2			20,000			20,000
Hydrافusion Strut Kit 16"	FIRE-24-04	2			7,000			7,000
Door Access	FIRE-25-01	n/a				4,100		4,100
Meeting Projection Equipment	FIRE-25-02	n/a				1,500		1,500
RAM Fan Unit	FIRE-25-03	n/a				5,600		5,600
Hose Drying Rack	FIRE-25-04	n/a				4,300		4,300
Fire Station Expansion/Remodel Design Services	FIRE-25-05	1				150,000		150,000
Fire Department Total			31,500	24,000	686,600	397,400	2,300,000	3,439,500

Golf Course								
Rough Mower	GOLF-18-01	n/a					80,000	80,000
Clubhouse Renovation	GOLF-20-01	1	40,000	40,000				80,000
Greens Mower	GOLF-22-01	1			43,000			43,000
Fairway Mower	GOLF-22-02	2	57,000					57,000
Toro Mower	GOLF-22-03	n/a	40,000					40,000
Pull Behind Fertilizer Spreader	GOLF-23-01	3		6,500				6,500
Weed Sprayer	GOLF-23-02	1	13,000					13,000
Utility Vehicle	GOLF-23-03	n/a		25,000				25,000
Additional Utility Mower	GOLF-23-04	n/a		40,000				40,000
Greens Roller	GOLF-24-01	3			13,000			13,000
EZ-GO Workhorse	GOLF-24-05	n/a			21,000			21,000
Jacobsen Mower	GOLF-25-01	n/a				35,000		35,000
Gator Pro	GOLF-25-02	n/a				50,000		50,000
Golf Course Total			150,000	111,500	77,000	85,000	80,000	503,500

Information Technology								
Standard IT Contract	IT-16-01	n/a	42,998	45,147	47,405	49,775	52,264	237,589
Server and Core Networking	IT-17-01	2	30,000	20,000	60,000	46,000	35,000	191,000
PD In Car Computers	IT-17-03	n/a	26,800	26,800	26,800	26,800	26,800	134,000
SCADA Switches	IT-17-05	n/a	4,000	4,000	4,000	4,000	4,000	20,000
Printers/Scanners	IT-17-11	n/a	4,000	4,000	4,000	4,000	4,000	20,000
Other Peripheral	IT-17-12	n/a	3,000	3,000	3,000	3,000	3,000	15,000
Subscriptions- Operating Systems	IT-18-02	1	22,100	22,100	22,100	22,100	22,100	110,500
Computer/iPad Rotation	IT-18-03	1	14,700	38,850	12,700	19,950	13,650	99,850
Subscriptions- Meraki (Cameras)	IT-20-01	n/a	35,575	35,575	35,575	35,575	35,575	177,875
Subscriptions- Phones	IT-20-02	n/a	28,000	28,000	28,000	28,000	28,000	140,000
Special IT Projects	IT-20-03	n/a	49,000					49,000
Fiber Line Installation	IT-21-01	n/a	800,000					800,000
Information Technology Total			1,060,173	227,472	243,580	239,200	224,389	1,994,814

Kings Pointe								
Resort Remodel and Refresh	KP-17-04	n/a	186,250	186,250	186,250	186,250	186,250	931,250
Kings Pointe Total			186,250	186,250	186,250	186,250	186,250	931,250

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
Library								
Library Security Cameras	LIB-17-02	2		4,500				4,500
Indoor/Outdoor Lighting Updates	LIB-17-03	3	27,000					27,000
Tuck Pointing	LIB-23-02	1					20,000	20,000
Shelving Replacement	LIB-24-01	4			21,500	12,000		33,500
Security Gate at Entrances	LIB-24-03	1		45,000				45,000
Library Total			27,000	49,500	21,500	12,000	20,000	130,000
Outdoor Water Park								
Slide Renovation	OWP-20-01	1			109,000			109,000
OWP Circulation Pump	OWP-20-02	1	5,000	5,000	5,000	5,000	5,000	25,000
Paint OWP Slides	OWP-22-01	1	50,000					50,000
Outdoor Water Park Total			55,000	5,000	114,000	5,000	5,000	184,000
Parks Department								
Dock Replacement/New	PARKS-17-04	n/a	25,000	25,000	25,000	30,000	30,000	135,000
Trail- Set-Aside	PARKS-18-02	n/a	25,000	25,000	25,000	25,000	25,000	125,000
Russell Street Park	PARKS-19-04	1	15,000				75,000	90,000
New Holland Replacements	PARKS-20-04	3				75,000		75,000
10th Street Park	PARKS-20-08	1		30,000	30,000			60,000
Park Upgrade	PARKS-22-01	2		51,500				51,500
Chautauqua Park Multi-Use Court Surface	PARKS-22-05	3		70,000				70,000
Lift for Mower/Tractor	PARKS-22-07	n/a	7,000					7,000
Recreation Set-Aside	PARKS-23-01	3		150,000	150,000	150,000	150,000	600,000
1 Ton Pickup	PARKS-23-02	n/a		49,000				49,000
1/2 Ton Pickup	PARKS-23-03	n/a				40,000		40,000
Trailer	PARKS-23-04	n/a		8,000	9,600			17,600
Pickup	PARKS-23-05	n/a		25,000				25,000
W9th Ballfield Fence	PARKS-24-01	2		20,000				20,000
Service Pickup	PARKS-24-04	n/a			46,000			46,000
Large Area Mower	PARKS-24-05	n/a			75,000		75,000	150,000
Toolcat with Dump Box	PARKS-24-06	n/a			56,000			56,000
Irrigation System	PARKS-24-07	n/a			56,000			56,000
Mower- Unit #5	PARKS-25-01	n/a				75,000		75,000
Mower- Unit #410	PARKS-25-02	n/a	75,000					75,000
Bandshell Paint	PARKS-26-01	n/a	150,000					150,000
Playground Equipment	PARKS-26-02	n/a					75,000	75,000
Beach Groomer	PARKS-26-03	n/a					25,000	25,000
King's Pointe Area Mower	PARKS-26-04	n/a					10,000	10,000
Parks Department Total			297,000	453,500	472,600	395,000	465,000	2,083,100
Police Department								
Patrol Vehicle	PD-17-01	2	52,000	53,000	55,000	59,000	62,000	281,000
Body Armor	PD-17-02	1	2,500	21,000	7,000	7,000		37,500
In-Car Video Camera Replacement	PD-17-03	2			11,000			11,000
Tasers	PD-18-04	n/a		13,000				13,000
Police Supervisor's Vehicle	PD-19-01	2				59,000		59,000
Copier	PD-19-02	n/a			11,000			11,000
Radar	PD-20-02	3			3,500			3,500
CSO Truck	PD-21-01	3		30,000				30,000
Body Camera Rotation	PD-21-02	3		20,000	20,000			40,000
K-9 Patrol Vehicle	PD-22-11	1	52,000					52,000
W7th Impound Security Cameras	PD-22-13	n/a	7,000					7,000

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
Police Station Carpet	PD-22-14	n/a	15,000					15,000
Police Station/W 7th Storage Electrical Upgrades	PD-22-15	n/a	7,000					7,000
Police Station Pumping Replacement	PD-22-16	n/a	13,000					13,000
Unmarked Vehicle	PD-23-01	1		40,000				40,000
Police Station Furniture	PD-23-04	n/a		20,500				20,500
Surveillance Camera/Equipment	PD-24-01	1			4,500			4,500
Load Bearing Vests	PD-25-01	n/a				5,500		5,500
Badge Stickers	PD-25-03	n/a				400		400
Floatation Devices (for Patrol Cars)	PD-25-04	n/a				1,500		1,500
NIBIN Firearm Evidence Collection System	PD-25-05	n/a				4,300		4,300
Police Department Total			148,500	197,500	112,000	136,700	62,000	656,700
Sewer Collection								
Sewer Line Camera & Trailer	SEWCL-19-01	1		100,000				100,000
Sewer Line Installation on Radio Road	SEWCL-22-01	n/a	180,000					180,000
Push Camera	SEWCL-22-03	2	10,000					10,000
Jet/Vac Truck	SEWCL-22-04	n/a		450,000				450,000
Sewer Rehab	SEWCL-C2	1	100,000	35,000	35,000	35,000	35,000	240,000
Sewer Collection Total			290,000	585,000	35,000	35,000	35,000	980,000
Special Projects								
EAB- 2 Chainsaws	EAB-19-01	1		6,500				6,500
EAB- Brush Cutters/Tree Shredder	EAB-19-02	1					2,000	2,000
EAB- Dump Truck	EAB-19-03	1					75,000	75,000
EAB- 1 Ton Truck w/Dump Body	EAB-19-04	1					75,000	75,000
EAB- Payloader w/Brush Grapple	EAB-19-05	1		150,000				150,000
EAB- Skid Loader	EAB-19-08	1		60,000				60,000
EAB- Grapple Truck	EAB-19-09	1		75,000				75,000
Special Projects Total				291,500			152,000	443,500
Storm Water								
Project Set-Aside	STW-17-01	n/a	30,000					30,000
1 Ton Truck	STW-22-01	1		60,000				60,000
Aux Engines	STW-22-02	n/a	12,000			15,000		27,000
Storm Water Total			42,000	60,000		15,000		117,000
Street Department								
Plow Truck	ST-17-02	2		175,000				175,000
North Lake Ave. Overlay	ST-18-05	2					1,268,500	1,268,500
Dump Truck #13	ST-18-06	3			145,000			145,000
Wheel Loader #126	ST-19-10	3		175,000				175,000
Oneida Street to Milwaukee	ST-20-01	2	2,183,500					2,183,500
Boom/Bucket Truck	ST-20-10	2	225,000					225,000
Downtown Revitalization	ST-20-19	n/a		450,000				450,000
Oneida Street- Lakeshore	ST-21-01	n/a					280,000	280,000
Security Cameras & Infrastructure	ST-21-06	n/a	9,000					9,000
11' Snowplow Rotation	ST-21-09	n/a	10,000	10,000	20,000			40,000
12' Snowplow Rotation	ST-21-12	n/a	14,000	11,000		9,800		34,800
Snow Plow Wings for Motor Grader	ST-21-15	n/a		15,500				15,500
1 Ton Pickup	ST-22-01	n/a	60,000					60,000
Building upgrades	ST-22-02	2			125,000			125,000
Richland Phase 2	ST-22-03	3	353,200					353,200
Street Shop Parking Lot	ST-22-04	2	50,000					50,000

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
Alliant Energy Infrastructure Development	ST-22-05	1	150,000					150,000
Infrastructure Management Plan	ST-22-06	n/a	18,000					18,000
Overhead Door	ST-23-01	1		20,000				20,000
Seneca Street Reconstruction	ST-23-02	4		1,556,500				1,556,500
Backhoe	ST-23-03	n/a				175,000		175,000
Plow Truck #59	ST-23-04	n/a		175,000				175,000
Drill Press	ST-23-05	n/a		10,000				10,000
Side Dump Trailer	ST-24-01	3			15,000			15,000
Plow Truck #60	ST-24-02	n/a			200,000			200,000
Tree Truck #20	ST-24-03	n/a			135,000			135,000
Water Truck #7	ST-24-04	n/a			135,000			135,000
Mower #19	ST-25-01	n/a				100,000		100,000
Plow Truck #24	ST-25-02	n/a				135,000		135,000
Motor Grader #62	ST-25-03	n/a					225,000	225,000

Street Department Total

3,072,700	2,598,000	775,000	419,800	1,773,500	8,639,000
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Wastewater Treatment Facility

Lab and Office Addition	WWTP-18-03	3				214,000		214,000
1st Street Lift Station Replacement	WWTP-18-05	1	295,000					295,000
Blowers	WWTP-19-01	1	200,000				200,000	400,000
UV Bulb Bank Replacement	WWTP-20-05	2		40,000	40,000		40,000	120,000
Mower	WWTP-21-01	3	50,000					50,000
End Loader	WWTP-21-05	1	180,000					180,000
Thickener Tanks (2)	WWTP-21-06	1			300,000			300,000
SCADA Panel View Replacement	WWTP-21-08	1	20,000	20,000	20,000	20,000	20,000	100,000
Storage Building Updates	WWTP-22-08	1	45,000					45,000
Fencing & Gate Security System	WWTP-22-09	1	30,000					30,000
Pick-Up Truck (#86 replace)	WWTP-22-10	1	50,000					50,000
Lift Station Concrete Driveways	WWTP-22-11	2	15,000	15,000				30,000
VFD Compressor	WWTP-23-02	2		40,000				40,000
A-Basin Diffusers	WWTP-23-05	2		50,000				50,000
Skid Loader	WWTP-23-06	3		130,000				130,000
Lift Station Pumps/Reconstruction	WWTP-23-07	1	300,000					300,000
WWTP New Permit Requirements	WWTP-23-09	n/a			7,500,000	7,500,000		15,000,000
Project Set-A-Side	WWTP-23-10	n/a		700,000				700,000
Pickup Truck (#128 Replacement)	WWTP-24-01	2			60,000			60,000
Sludge Press Scraper Blades	WWTP-24-02	3			20,000		20,000	40,000
Lift Station Pumps, Motors, Equip Replacement	WWTP-25-01	1				50,000		50,000
Lime Truck Replacement	WWTP-25-02	3				100,000		100,000
Storage/Vehicle Building	WWTP-26-01	3					300,000	300,000

Wastewater Treatment Facility Total

1,185,000	995,000	7,940,000	7,884,000	580,000	18,584,000
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Water Distribution

Water Line Replacement	WD-17-01	n/a	180,000	180,000	180,000	180,000	180,000	900,000
New Pickup	WD-21-01	2	60,000					60,000
4th Street Watermain Replacement	WD-22-04	n/a	1,149,500					1,149,500
Air Compressor	WD-23-01	1			40,000			40,000
18" Bypass Water Line	WD-24-01	2	1,000,000					1,000,000

Water Distribution Total

2,389,500	180,000	220,000	180,000	180,000	3,149,500
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Water Meters

Smart Point Readers	WM-17-01	2	45,000	45,000	50,000	50,000	50,000	240,000
Meter Replacement	WM-17-02	2	57,000	55,000	55,000	60,000	60,000	287,000
Towers for Auto Reading of Meters	WM-21-02	1		60,000				60,000

Department	Project #	Priority	2022	2023	2024	2025	2026	Total
Meter Reader	WM-22-01	2	10,000					10,000
Water Meters Total			112,000	160,000	105,000	110,000	110,000	597,000
Water Plant								
Well House Rehab	WP-17-04	2	30,000	30,000				60,000
Water Storage Prodi. Set Aside Funds	WP-17-08	2	100,000	100,000	100,000	100,000	100,000	500,000
Project Set A-side	WP-17-10	2	75,000	75,000	75,000	75,000	75,000	375,000
Pump Replacement	WP-19-C1	2	100,000	30,000				130,000
Slaker Rebuild	WP-20-01	2			50,000	50,000		100,000
Clear Well Mixer	WP-20-03	2			50,000			50,000
Plant Expansion Set A-Side	WP-20-04	n/a	100,000					100,000
Water Tower/Clear Well Inspection	WP-20-06	1			25,000			25,000
Lime Sludge Press & Building with Storage	WP-21-01	n/a			150,000	1,000,000		1,150,000
SCADA Panel View Replacement	WP-21-05	1	20,000	20,000	20,000	20,000	20,000	100,000
Mower/Trailer	WP-22-01	n/a	24,000					24,000
Water Tower	WP-22-04	n/a	350,000	1,500,000				1,850,000
Filter Valves & Actuators	WP-22-05	1	40,000	40,000				80,000
Recarb Baffle Curtains	WP-22-06	1	40,000					40,000
Chlorite Building	WP-22-07	1	40,000					40,000
Utility Tractor	WP-22-08	2	30,000					30,000
Garage/Shop/Storage	WP-23-02	1				75,000		75,000
Pressure Washer	WP-23-06	5		5,000				5,000
Lime Silo Valve	WP-23-07	2		55,000				55,000
Dust Collecting Baghouses	WP-23-10	1		10,000				10,000
Backwash Pump	WP-23-11	2		15,000				15,000
Motor for Lime Thickener	WP-23-12	2		9,500				9,500
Fluoride Tank Replacement	WP-23-13	2		15,000				15,000
Water Plant Total			949,000	1,904,500	470,000	1,320,000	195,000	4,838,500
GRAND TOTAL			10,337,623	8,454,642	12,230,360	11,584,126	7,035,123	49,641,874

Staff Summary

1/4/2021

Agenda Item # 10.



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: **City Council Requested Items**

BACKGROUND: Future City Council Work Sessions:
1. None at this time

FISCAL IMPACT: No Fiscal Impact at this time.

RECOMMENDATION: Concurrence for each item to be considered for a specified City Council Meeting work session or deny work session consideration for the following items:
1. None at this time

Staff Summary

1/4/2021

Agenda Item #



City of Storm Lake
PO Box 1086
Storm Lake, IA 50588
p (712) 732-8000
f (712) 732-4114

REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: **City Council Requested Items**

BACKGROUND: Future City Council Work Sessions:
1. None at this time

FISCAL IMPACT: No Fiscal Impact at this time.

RECOMMENDATION: Concurrence for each item to be considered for a specified City Council Meeting work session or deny work session consideration for the following items:
1. None at this time