

**CITY OF STORM LAKE
REGULAR COUNCIL MEETING, CITY HALL
COUNCIL CHAMBERS
MAY 2, 2022
5:00 PM**



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

AGENDA

ACCESS TO THE OFFICIAL MEETING CAN ALSO BE DONE THROUGH THE FOLLOWING WAYS:

BY TELEPHONE:

Dial: 1-312-626-6799 or toll-free: 1-888-475-4499
Zoom Meeting ID: 933-2006-3301

BY COMPUTER:

<https://zoom.us/j/93320063301>

- 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. Utility Billing Uncollectible Account Write-Off
- D. SLPD City Code Enforcement Summary
- 3. Resolution No. 72-R-2021-2022 Amending Storm Lake United Requests For A Series Of The 2022 Community Events
- 4. Storm Lake United Update
- 5. Motion to Approve Golf Passes for Junior Golf Program
- 6. Public Hearing On A Proposed Text Amendment to the Storm Lake Zoning Ordinance To Permit Kennels in the GI Zoning District.

7. **Ordinance No. 10-O-2021-2022 For A Proposed Text Amendment to the Storm Lake Zoning Ordinance to Permit Kennels in the GI Zoning District. - 1st Reading**
8. **Motion Setting A Public Hearing On A Proposed Text Amendment To The Storm Lake Zoning Ordinance To Permit Servicing Of Non-Commercial Lawn And Garden Equipment As A Home Occupation**
9. **Public Hearing for FY 2022 Budget Amendment**
10. **Resolution No. 73-R-2021-2022 Amending The Current Budget For the Fiscal Year Ending June 30, 2022**
11. **Resolution No. 74-R-2021-2022 Authorizing Inter-fund Transfers and Adjustments**
12. **Public Hearing on Ordinances Changing Water and Sewer Rates.**
13. **Ordinance No. 11-O-2021-2022 Providing for a New Water Rate Schedule**
14. **Ordinance No. 12-O-2021-2022 Providing for a New Sewer Rate Schedule**
15. **Motion Setting the Public Hearing for the Richland Street, Phase 2 Improvements Plans, Specifications, and Form of Contract**
16. **City Council Requested Items**
17. **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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@Storm_Lake  Find us on the Web at <http://www.stormlake.org>

Staff Summary

5/2/2022

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

5/2/2022

Agenda Item # C.



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

REPORT TO: Honorable Mayor and City Council

FROM:

SUBJECT: Disclosure by City Council Members

BACKGROUND:

FISCAL IMPACT:

RECOMMENDATION:

Staff Summary

5/2/2022

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 April 18, 2022 City Council Minutes
- Approve Renewal Liquor Licenses For Malarky's, Walgreens and Hy-Vee #1634
- Approve Utility Billing Uncollectible Account Write-Off
- Approve the SLPD Code Enforcement Summary (see staff summary)

FISCAL IMPACT: The City will pay the following expenditures:

- List of Bills - - \$1,668,809.19
- King's Pointe & Sunrise Pointe Golf Course Bills -- \$149,835.33

The City will Receive the Following Revenues:

- Liquor License Renewals: \$1,445.00

RECOMMENDATION: Approve Consent Agenda

ATTACHMENTS:

Description	Type
☐ List of Bills	List of Bills
☐ King's Pointe Claims	List of Bills
☐ Minutes - April 18, 2022	Minutes
☐ Malarky's Pub Liquor Report 2022	Application
☐ Hy-Vee Liquor Application 2022	Application
☐ Walgreens Liquor Application 2022	Application



Storm Lake, IA

My Buy Local_v1

Payment Date Range: 04/21/2022 - 05/04/2022

Vendor Name	Buy Local Info	Payable Description	Total Payments
BVC			
Essential Ellison LLC	BVC	Fire Extinguisher Inspection	729.49
Buena Vista County Attorney	BVC	Forfeiture #21-044448	237.59
Buena Vista County Solid Waste	BVC	Recycling	101.40
Buena Vista County Recorder	BVC	Recording Fees	44.00
	BVC Total:	1,112.48	
Contract/Agreement			
Gridor Construction Inc	Contract/Agreement	Pay #5 of Memorial LS	273,735.85
I & S Group, Inc	Contract/Agreement	Construction Admin	16,822.98
Local Government Professionals Services, Inc	Contract/Agreement	Grant Admin Services	2,000.00
	Contract/Agreement Total:	292,558.83	
Local			
Stille Pierce & Pertzborn	Local	Insurance Renewal	834,980.11
MidAmerican Energy Company	Local	Electric Services	50,230.99
Storm Lake Industrial Corporation	Local	FY2022 Funding Request #5	5,000.00
Stanton Electric, Inc	Local	Services- Snack Shack	3,394.02
Bomgaars Supply, Inc	Local	Supplies	2,140.15
Larson Oil & Distributing Co, Inc	Local	Propane	2,955.15
WalMart #01-1526	Local	Supplies	1,199.52
Edwards Storm Lake	Local	Oil Leak Repairs	813.32
Arnold Motor Supply, LLP	Local	Supplies	717.83
Color-ize Inc	Local	Campground Promo Items	627.30
Plumbing & Heating Wholesale, Inc	Local	Supplies	491.00
A & A Automotive	Local	Spark Plug & Coil Replacement	479.33
Plumbing & Heating Wholesale, Inc	Local	Supplies	407.28
Rent-All, Inc	Local	Lift Rental	325.00
Ben Gallagher Videography	Local	Water Conservation Videos- Less Tax	265.00
L & G Products, Inc	Local	Seed	250.00
Qwest Corporation	Local	Phone Service	234.06
Visual Edge Inc	Local	Copier Maintenance Agreement	210.00
Hy-Vee, Inc	Local	Supplies	148.28
McCrea Enterprises	Local	Paint	144.25
Visual Edge Inc	Local	Copier Maintenance Agreement	130.33
Plumbing & Heating Wholesale, Inc	Local	Valves	119.34
McCrea Enterprises	Local	Paint	97.55
La Juanita	Local	Safety Bingo	97.25
Storm Lake Industrial Corporation	Local	Membership Banquet	80.00
Storm Lake Hydraulics Co, Inc	Local	Hyd Hose & Supplies	72.92
Visual Edge Inc	Local	Copier Maintenance Agreement	65.79
Plumbing & Heating Wholesale, Inc	Local	Valve	122.01
Storm Lake Hearing Aid Service, Inc	Local	4/21/2022 Screening- Lindquist	100.00
Storm City Auto Parts, Inc	Local	Blower Motor	39.61
Deere Credit, Inc	Local	Cap	36.31
King's Pointe Resort	Local	3/19/2022 Legislative Meeting	32.50
Storm City Auto Parts, Inc	Local	Belt	31.02
Iowa Office Supply Inc	Local	Keyboard	29.61
Plumbing & Heating Wholesale, Inc	Local	Supplies	17.94
MidAmerican Energy Company	Local	X-Mas Lights	10.00
O'Reilly Automotive Inc	Local	Wiper Blade	9.60
Vetter Equipment	Local	Knob	8.03
North Lake Truck Repair	Local	Light	6.34
Storm City Auto Parts, Inc	Local	Decals	7.87
	Local Total:	906,126.61	

My Buy Local_v1
Payment Date Range: 04/21/2022 - 05/04/2022

Vendor Name	Buy Local Info	Payable Description	Total Payments
Non-Local			
Road Machinery & Supply Co	Non-Local	2022 Komatsu	152,000.00
Woodruff Construction, Inc	Non-Local	Drywall & Insulation	26,072.00
Cannon Moss Brygger & Associates, PC	Non-Local	Engineering Services	21,851.46
Murphy Tractor & Equipment Co. Inc.	Non-Local	Grapple Rake	21,500.00
Electric Pump Inc	Non-Local	Pump	14,882.36
MW Watermark, LLC	Non-Local	Plates	14,760.88
Excelsior Blower Systems, Inc	Non-Local	Blower	9,415.30
Municipal Supply, Inc	Non-Local	Irrigation Water Meter	9,190.76
H-O-H Water Technology, Inc	Non-Local	Polymer	9,108.00
Mississippi Lime Company	Non-Local	Lime	20,417.36
SCE, LLC	Non-Local	College LS Repairs	10,912.50
Vessco, Inc	Non-Local	Gearbox	3,807.00
Winther, Stave & Co., LLP	Non-Local	FY2021 Audit Services	2,950.00
Continental Fire Sprinkler Company	Non-Local	Sprinkler Relocation Services	2,877.47
Linde Inc	Non-Local	Carbon Dioxide	1,759.55
Calhoun Communications, Inc	Non-Local	Tower Climbing Service	1,705.16
Central Iowa Distributing, Inc	Non-Local	Cleaning Supplies	1,629.60
Marcus Lumber Company Corp	Non-Local	Deck Supplies	1,308.15
Elliot Equipment Company	Non-Local	Supplies	1,111.44
Dale Vitito	Non-Local	Uniform	1,081.11
W. W. Grainger, Inc	Non-Local	Lights & Filters	1,021.33
United Tactical Systems, LLC	Non-Local	Replacement Unit	1,010.00
Lacal Equipment, Inc	Non-Local	Supplies	977.12
ABC Pest Control, Inc	Non-Local	Pest Control Services- Less Tax	936.00
SGS, LLC	Non-Local	Garbage Services	889.75
Eaton Compressor & Fabrication, Inc	Non-Local	Controller	870.68
ATCO Manufacturing Company	Non-Local	Supplies	705.60
ZOLL Medical Corporation	Non-Local	First Aid Supplies	620.70
Old Dominion Brush Company	Non-Local	Supplies	601.79
Twin Rivers Media, LLC	Non-Local	Advertising	400.00
Utility Supply of America, Inc	Non-Local	Valve Key	395.33
Mercy Medical Services	Non-Local	3/22/2022 Kapirje Physical	302.72
Iowa Dept of Public Defense	Non-Local	Lodging- McDonald	280.00
James Wolfe	Non-Local	Advertising	249.00
Frigitec, Inc	Non-Local	Services- Less Tax	246.00
Holiday Inn Des Moines Airport	Non-Local	Hotel- Gibbins	224.00
W. W. Grainger, Inc	Non-Local	Fire Extinguisher Cabinet	410.30
Ed M. Feld Equipment Company, Inc	Non-Local	Boots	199.99
Central Iowa Distributing, Inc	Non-Local	Cleaning Supplies	199.10
Jeff Koenig	Non-Local	Portable Toilet Deliver & Rent	170.00
NCL of Wisconsin, Inc	Non-Local	Testing Supplies	156.07
Alpha Wireless Communications	Non-Local	Speaker	155.56
Hach Company	Non-Local	Testing Supplies	307.56
Marcus Lumber Company Corp	Non-Local	Deck Supplies	445.87
Cintas First Aid & Safety	Non-Local	First Aid Supplies	128.93
Dale Vitito	Non-Local	Uniform	128.84
Toyne, Inc	Non-Local	Gauge	126.48
ABC Pest Control, Inc	Non-Local	Pest Control Services	105.00
Ahlers & Cooney, P.C.	Non-Local	Legal Services	100.00
Hach Company	Non-Local	Testing Supplies	93.52
Iowa Dept of Justice	Non-Local	Forfeiture #21-044448	92.70
Iowa Lakes Regional Water	Non-Local	Water Service	72.31
UPS	Non-Local	Shipping	58.01
Trevor Kruger	Non-Local	Plexi Glass	54.19
Ahlers & Cooney, P.C.	Non-Local	FB Amendment	50.00
W. W. Grainger, Inc	Non-Local	Respirators	47.82
Steven A Beeck	Non-Local	Window Cleaning Services	41.00
Iowa Law Enforcement Academy	Non-Local	Investigation Training- Diekman	25.00
Marcus Lumber Company Corp	Non-Local	Supplies	41.51

My Buy Local_v1**Payment Date Range: 04/21/2022 - 05/04/2022**

Vendor Name	Buy Local Info	Payable Description	Total Payments
Utility Supply of America, Inc	Non-Local	Freight Credit	-127.62
	Non-Local Total:	341,152.26	
Payroll/Refunds			
Glenn Schlessler	Payroll/Refunds	Patches	321.00
Tyler Gibbins	Payroll/Refunds	Spring 2022 IMFOA Travel Reimb	215.88
Phackakchay Noah Inthongsay	Payroll/Refunds	4/12/22 Travel Reimb	175.50
Travis Beeck	Payroll/Refunds	WW Oper 1- Cert Fee	63.04
Efrain Muniz Guerrero	Payroll/Refunds	Water Treatment 1 Cert Fee	63.04
Vu Nguyen	Payroll/Refunds	4/14/2022 Training Fuel Reimb	35.61
Efrain Muniz Guerrero	Payroll/Refunds	3/30/2022 DW 1 Cert Fee	32.29
Travis Beeck	Payroll/Refunds	WW Op 1- Testing Fee	32.29
Efrain Muniz Guerrero	Payroll/Refunds	2022 CDL Reimbursement	105.00
	Payroll/Refunds Total:	1,043.65	
	Grand Total:	1,541,993.83	

King's Pointe Resort

Claims Publication

From 4/14/2022 to 4/28/2022

Vendor	Description	Amount
Alondra Ramirez	Refund	\$ 200.00
Central Iowa Distributing	Equipment	\$22,795.65
Doll Distribution	Beverages	\$ 846.55
Donna Queen	Refund	\$ 200.00
Hy-Vee	Beverages	\$ 1,287.15
Iowa Division of Labor	Services	\$ 175.00
Johnson Brothers	Beverages	\$ 525.00
Martin Brothers	Food	\$ 8,248.94
Pool Furniture Supply	Equipment	\$ 4,665.66
Sceptre Hospitality Resources, LLC	Services	\$ 2,393.81
Shift4	Services	\$ 758.64
Symmetry Energy Solutions LLC	Services	\$15,321.36
Sysco Iowa, Inc.	Food	\$10,017.17
Wells Fargo Financial Leasing, Inc.	Services	\$ 235.18
W-OPayroll 4/15/2022	Payroll	\$82,165.22
		<u>149,835.33</u>

REGULAR COUNCIL MEETING, CITY HALL COUNCIL CHAMBERS CITY OF STORM LAKE, APRIL 18, 2022, 5:00 PM

Present: Mayor Michael Porsch, Council Members Maggie Martinez, Matt Ricklefs , Kevin McKinney, and Maria Ramos. Absent: Council Member Tyson Rice.

Staff present: City Manager Keri Navratil, Assistant City Manager David Derragon, City Attorney Phil Havens, Police Chief Chris Cole, Fire Chief Glenn Schlessler, Water Quality Operations Supervisor Ron Covert, Development Services Specialist Lee Dutfield, Library Director Elizabeth Huff, Public Services Supervisor Scott Bonebrake, Assistant Public Services Supervisor Brandon Ripke, Finance Director Brian Oakleaf, and City Clerk Mayra Martinez.

Media Present: Tom Cullen with The Storm Lake Times Pilot, Ryan Thompson with KAYL Radio.

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

Pledge of Allegiance

Agenda - Moved by Council Member Ricklefs to approve setting the agenda. Seconded by Council Member Ramos. Vote: All ayes with Council Member Rice absent. Motion carried.

Hear the Public – No comments from the Public. Mayor Porsch read a Proclamation proclaiming May 1, 2022, through May 7, 2022, as Municipal Clerk week. Also, Mayor Porsch read a Proclamation proclaiming May 1, 2022, through May 7, 2022, as Drinking Water Week.

Consent Agenda - Moved by Council Member Ramos to approve the Consent Agenda, list of bills Check #'s 78268 through 78335, EFT#'s 789, 2868 through 2923, King's Pointe and Sunrise Pointe disbursements, approve the April 4, 2022. City Council minutes, acknowledge the Library March 2022 minutes and the Airport March 2022 minutes, approve liquor license renewals for Valentina's and La Isla restaurant 2, approve Tax Abatement for 94 N. Emerald Drive # 3 and #4, - Brash LLC, approve acquisition by purchase of land from Ballou Holdings LLC for the Hwy 7 & 110 project, approve Run for Our Future 5K, 10K & Half Marathon for June 18, 2022, approve BVU noise variance request for Buenafication Day for April 21, 2022 , and approve the SLPD Code Enforcement summary. Seconded by Council Member Martinez. Vote: All ayes with Council Member Rice absent. Motion carried.

2021 BEST of Iowa Annual Report - Jo Anne Fallon with the Iowa Lakes Corridor discussed the 2021 Best of Iowa annual report and the Storm Lake labor shed report for 2022.

Text Amendment to the Zoning Ordinance GI Zoning District - Moved by Council Member McKinney to approve setting a Public Hearing on a proposed Text Amendment to the Storm Lake Zoning Ordinance to permit kennels in the GI Zoning District for May 2nd, 2022, at 5:00 pm. Seconded by Council Member Ricklefs. Vote: All ayes with Council Member Rice absent. Motion carried.

LFPEMS Grant - Moved by Council Member Martinez to approve submittal for the Iowa Local Fire Protection & Emergency Medical Services Grant. Seconded by Council Member Ricklefs. Vote: All ayes with Council Member Rice absent. Motion carried.

Water and Sewer Rates - Moved by Council Member McKinney to approve setting a Public Hearing on an Ordinance changing water and sewer rates for May 2nd, 2022, at 5:00 pm. Seconded by Council Member Ramos. Vote: All ayes with Council Member Rice absent. Motion carried.

Fiscal Year 2021-2022 Budget Amendment - Moved by Council Member Martinez to approve setting a Public Hearing on Fiscal Year 2021-2022 budget amendment for May 2nd, 2022, at 5:00 pm. Seconded by Council Member Ramos. Vote: All ayes with Council Member Rice absent. Motion carried.

4th Street Watermain Improvements - Mayor Porsch opened the public hearing for the 2022 4th Street Watermain improvements plans, specifications, and form of contract stating this was the time and place for any comments. Receiving no comments from City Council or the public, the Mayor then closed the public hearing.

Moved by Council Member McKinney to adopt Resolution No. 71-R-2021-2022 adopting plans, specifications, form of contract, estimate of cost, accepting bids and awarding contract for the 2022 4th Street watermain project to SCE, LLC in the amount of \$333,587.00. Seconded by Council Member Ricklefs. Roll call vote: All ayes with Council Member Rice absent. Motion carried.

RESOLUTION NO. 71-R-2021-2022

RESOLUTION ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, ESTIMATE OF COST, ACCEPTING BIDS AND AWARDING CONTRACT FOR THE 2022 4th STREET WATERMAIN PROJECT

WHEREAS, the plans, specifications, form of contract, estimate of cost, and award bid were filed with the CITY for the construction of certain public improvements described in general as the 2022 4th Street Watermain Project; and

WHEREAS, notice of hearing on plans, specifications, form of contract and estimate of cost 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 and estimate of cost, are hereby approved, as described in the preamble of this Resolution.

Section 2. That the following bid for the construction of certain public improvements described in general as the 2022 4th Street Watermain Project, is hereby accepted, the same being the lowest responsible bid received for said work, as follows:

Contractor: SCE, LLC
Amount of bid: \$333,587.00
Portion of bid: All

Section 3. That the Mayor and Clerk are hereby directed to execute contract with the contractor for the construction of said public improvements, said contract to be binding on the City, contingent to obtaining all the required concurrences and consents.

PASSED AND APPROVED this 18th day of April 2022.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

West 6th Street Utilities - Moved by Council Member Ramos to approve agreement with ISG for the West 6th Street utilities extension. Seconded by Council Member Martinez. Vote: All ayes with Council Member Rice absent. Motion carried.

City Council Requested Items - No items at this time.

Adjourn - Moved by Council Member Ramos to adjourn at 5:41 pm. Seconded by Council Member Martinez. Vote: All ayes with Council Member Rice absent. Motion carried.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

M E M O R A N D U M

TO: MAYRA MARTINEZ

FROM: CHRIS COLE

DATE: April 22, 2022

REFERENCE: LIQUOR LICENSE RENEWAL
MALARKY'S
147 FLINDT DR

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

	3-15-2020 to 5-1-2021	5-2-2021 to 4-19-2022
INCIDENTS		
911 Hang up Call	1	1
Accident Property Damage	0	0
Animal Call	1	1
Arrest	2	2
Assault	1	0
Bar Check	49	90
Business Assist	1	0
Business Security	92	152
Citizen Assist	0	4
Citizen Complaint	1	0
City Code Enforcement	1	0
Disturbance	3	3
Drug Investigation	0	1
Fight	0	2
Found Property	1	0
Intoxicated Driver	1	0
Intoxicated Pedestrian	0	4
Motorist Assist	1	3
Pedestrian Stop	1	0
PR/Talk/Presentation	9	6
Street Beat	1	1
Trespass	0	1
Vehicle Stop	5	11
Warrant Service	1	0

ARREST

Burglary 3rd Degree	1	0
Disorderly Conduct	0	2
Interference With Official Acts	1	2
Mittimus	1	1
OWI	1	0
Possess Alcohol Under Legal Age	1	0
Public Intoxication	2	8
Theft 5th Degree	1	0
Warrant Arrest	2	0

Recommendation: Approval of liquor license.



State of Iowa

Alcoholic Beverages Division

Applicant

NAME OF LEGAL ENTITY

Hy-Vee, Inc.

NAME OF BUSINESS(DBA)

Hy-Vee

BUSINESS

(712) 732-5628

ADDRESS OF PREMISES

1250 N Lake St

PREMISES SUITE/APT NUMBER

CITY

Storm
Lake

COUNTY

Buena
Vista

ZIP

50588-0000

MAILING ADDRESS

5820 Westown Pkwy

CITY

West Des Moines

STATE

Iowa

ZIP

50266-0000

Contact Person

NAME

Kelly Palmer

PHONE

(515) 267-2949

EMAIL

kpalmer@hy-vee.com

License Information

LICENSE NUMBER

LE0000543

LICENSE/PERMIT TYPE

Class E Liquor License

TERM

12 Month

STATUS

Submitted
to Local
Authority

TENTATIVE EFFECTIVE DATE

July 1, 2022

TENTATIVE EXPIRATION DATE

June 30, 2023

LAST DAY OF BUSINESS

SUB-PERMITS

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



State of Iowa

Alcoholic Beverages Division

PRIVILEGES

Sunday Service

Status of Business

BUSINESS TYPE

Privately Held Corporation

Ownership

• Individual Owners

NAME	CITY	STATE	ZIP	POSITION	% OF OWNERSHIP	U.S. CITIZEN
Michael Jurgens	Urbandale	Iowa	50322	EVP, Secretary	0.00	Yes
Andrew Schroeder	Johnston	Iowa	50131	AVP, Assistant Controller	0.00	Yes
Randy Edeker	Urbandale	Iowa	50322	CEO, President	0.00	Yes
Morgan Beier						
Kelly Palmer						
Owen Turk						

Insurance Company Information

INSURANCE COMPANY

POLICY EFFECTIVE DATE

POLICY EXPIRATION DATE



State of Iowa

Alcoholic Beverages Division

DRAM CANCEL DATE

OUTDOOR SERVICE EFFECTIVE
DATE

OUTDOOR SERVICE EXPIRATION
DATE

BOND EFFECTIVE DATE

TEMP TRANSFER EFFECTIVE
DATE

TEMP TRANSFER EXPIRATION
DATE



State of Iowa

Alcoholic Beverages Division

Applicant

NAME OF LEGAL ENTITY

Walgreen Co.

NAME OF BUSINESS(DBA)

Walgreens #11330

BUSINESS

(712) 732-0005

ADDRESS OF PREMISES

800 Lake Ave

PREMISES SUITE/APT NUMBER

CITY

Storm Lake

COUNTY

Buena Vista

ZIP

50588

MAILING ADDRESS

300 Wilmot Rd, MS 3301

CITY

Deerfield

STATE

Illinois

ZIP

60015

Contact Person

NAME

Toni Franklin

PHONE

(847) 527-4402

EMAIL

toni.franklin@walgreens.com

License Information

LICENSE NUMBER

LE0002184

LICENSE/PERMIT TYPE

Class E Liquor License

TERM

12 Month

STATUS

Submitted
to Local
Authority

TENTATIVE EFFECTIVE DATE

June 17, 2022

TENTATIVE EXPIRATION DATE

June 16, 2023

LAST DAY OF BUSINESS

SUB-PERMITS

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



State of Iowa

Alcoholic Beverages Division

PRIVILEGES

Sunday Service

Status of Business

BUSINESS TYPE

Publicly Traded Corporation

Ownership

• Individual Owners

NAME	CITY	STATE	ZIP	POSITION	% OF OWNERSHIP	U.S. CITIZEN
Todd Heckman	Aurora	Illinois	60503	Vice President	0.00	Yes
Richard Ashworth	HAWTHORN WOODS	Illinois	60047	President, Operations	0.00	Yes
Hari Avula	Glencoe	Illinois	60022	Treasurer	0.00	Yes
Alan Nielsen	Crystal Lake	Illinois	60014	VP/CFO/Treasurer	0.00	Yes
Alexander Gourlay	Glencoe	Illinois	60022	President	0.00	Yes
Susan Halliday	Lincolnshire	Illinois	60069	Assistant Treasurer	0.00	Yes
Toni Franklin						



State of Iowa

Alcoholic Beverages Division

Insurance Company Information

INSURANCE COMPANY

POLICY EFFECTIVE DATE

POLICY EXPIRATION DATE

DRAM CANCEL DATE

OUTDOOR SERVICE EFFECTIVE
DATE

OUTDOOR SERVICE EXPIRATION
DATE

BOND EFFECTIVE DATE

TEMP TRANSFER EFFECTIVE
DATE

TEMP TRANSFER EXPIRATION
DATE

Staff Summary

5/2/2022

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	\$ 1,112.48
Contract/Agreement	\$ 292,558.83
Local	\$ 906,126.61
Non- Local	\$ 341,152.26
Payroll/Refunds/Pyrl Tax & Ins	\$127,859.01
Total Expenses	\$1,668,809.19
Supporting Documents Attached	

RECOMMENDATION: Review Buy Local Information

ATTACHMENTS:

Description	Type
 Project Activity Report	Backup Material

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...	1,173,565.00	0.00	1,170,187.96	0.00	1,170,187.96	3,377.04
01112-0020	10th & Ontario StormWater Improvem...	1,753,734.33	0.00	1,752,412.45	0.00	1,752,412.45	1,321.88
01112-0021	4th & Oats StormWater Improvements	832,997.63	0.00	833,347.35	0.00	833,347.35	-349.72
OP1.122814	Richland Street, Phase 2 Improvements	165,500.00	165,500.00	174,095.25	0.00	174,095.25	-8,595.25
OP1.125106	BRIC	7,978,418.00	7,978,418.00	106,516.49	0.00	106,516.49	7,871,901.51
16-19284	4th & Bartion Storm Water Improvemen...	760,113.88	0.00	757,662.80	0.00	757,662.80	2,451.08
18-CF-004	United Community Health Service Center	600,000.00	0.00	561,683.60	0.00	561,683.60	38,316.40
19-22797	Memorial Lift Station Improvements	2,533,320.00	877.16	2,108,522.10	284,574.65	2,393,096.75	140,223.25
20-23848	Storm Lake WTP- Electrical MCC Replac...	268,494.81	0.00	273,065.01	0.00	273,065.01	-4,570.20
20-24387	Radio Park Lift Station Replacement	568,639.68	568,639.68	423,390.49	0.00	423,390.49	145,249.19
20-HSG-022	2021 Housing Sustainability Project	110,812.00	110,812.00	89,919.12	0.00	89,919.12	20,892.88
35665	1st & Mae Street	764,059.53	0.00	762,737.66	0.00	762,737.66	1,321.87
8406	7th & Geneseo St Sanitary Sewer Impro...	410,306.35	0.00	408,984.48	0.00	408,984.48	1,321.87
IA0091	SL Elevated Water Storage- Tower #5	541,762.00	541,762.00	3,850.00	4,175.00	8,025.00	533,737.00
New 2	FEMA Hazard Mitigation Assistance (W...	48,600.00	48,600.00	0.00	0.00	0.00	48,600.00
New 3	Storm Lake WTP- Well No. 21	131,000.00	131,000.00	0.00	0.00	0.00	131,000.00
OP1.125220	4th Street Watermain Improvement Pro...	58,350.00	58,350.00	58,554.00	0.00	58,554.00	-204.00
P11.112742	North Central SW Phase II	1,854,441.25	0.00	1,853,147.38	0.00	1,853,147.38	1,293.87
P11.117908	Michigan Street Parking Lot Reconstruct...	408,199.80	0.00	453,347.70	0.00	453,347.70	-45,147.90
P11.118940	Oneida Street Reconstruction from RR t...	2,567,760.12	4,406.76	2,460,894.08	0.00	2,460,894.08	106,866.04
P11.119679	FEMA Lake Bank Restoration	117,831.01	0.00	123,185.51	0.00	123,185.51	-5,354.50
P11.120411	Highway 7/110 Traffic Lane/Signalization	4,598,729.85	229,936.50	400,226.37	0.00	400,226.37	4,198,503.48
P11.120478	Tulip Lane SW Improvements	443,607.50	16,739.92	440,789.42	0.00	440,789.42	2,818.08
P11.120650	2020 Expansion Blvd Improvements	1,125,878.60	0.00	1,161,566.01	0.00	1,161,566.01	-35,687.41
P11.122266	7th Street Sewer Lining/2021 CIPP	514,861.25	514,861.25	485,364.15	0.00	485,364.15	29,497.10
T51.119823	Runway 13/31 & Taxiway Lighting	459,190.70	0.00	459,190.70	0.00	459,190.70	0.00
Urban20WQI-004	SLHS Courtyard Conservation	119,097.86	119,097.86	115,439.86	0.00	115,439.86	3,658.00
Report Total:		30,909,271.15	10,489,001.13	17,438,079.94	288,749.65	17,726,829.59	13,182,441.56

Group Summary						
Group	Total Budget	Date Range Budget	Beginning Balance	Total Activity	Ending Balance	Budget Remaining
Airport Projects	459,190.70	0.00	459,190.70	0.00	459,190.70	0.00
ARPA Project	541,762.00	541,762.00	3,850.00	4,175.00	8,025.00	533,737.00
Building Resilient Infrastructure and Co...	7,978,418.00	7,978,418.00	106,516.49	0.00	106,516.49	7,871,901.51
Economic Development	947,740.87	229,909.86	890,228.09	0.00	890,228.09	57,512.78
National Resiliency Disaster Grant Proje...	8,507,686.72	531,601.17	8,464,633.65	0.00	8,464,633.65	43,053.07
Sanitary Sewer Projects	3,150,559.68	618,116.84	2,531,912.59	284,574.65	2,816,487.24	334,072.44
Street Construction	8,866,068.37	399,843.26	4,650,129.41	0.00	4,650,129.41	4,215,938.96
Water Project	457,844.81	189,350.00	331,619.01	0.00	331,619.01	126,225.80

Staff Summary

5/2/2022

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: Tyler Gibbins, Staff Accountant

SUBJECT: **Utility Billing Uncollectible Account Write-Off**

BACKGROUND: Per the State of Iowa Auditor's Office, we are required to maintain a listing of all delinquent and uncollectible accounts.

The two most common causes of delinquent accounts are (1) the customer and/or business FIN the utility account was set up under has filed for bankruptcy and (2) persons leave town without paying their final bill and/or provide us with a forwarding address. Those persons who do not provide us any information have balances less than the state allowed \$50.00 to enter into a state operated Income Offset program.

The current balance of the uncollectible accounts is \$468.67. This balance is made up of 23 accounts.

FISCAL IMPACT: There is no fiscal impact as the \$468.67 balance is in an accounts receivable ledger account which does not fiscally impact the general ledger.

RECOMMENDATION: Review and approve.

Staff Summary

5/2/2022

Agenda Item # D.



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: 4/13/2022 to 4/26/2022

White Summons - 16

CCE - 1
Accumulate Trash - 8
Accumulate used tires - 4
Junk Vehicle - 7
Accumulate Junk - 18

Total - 38

0 Citations

FISCAL IMPACT: None

RECOMMENDATION: None

Staff Summary

5/2/2022

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: Chris Cole, Police Chief

SUBJECT: **Resolution No. 72-R-2021-2022 Amending Storm Lake United Requests For A Series Of The 2022 Community Events**

BACKGROUND: Attached is a request from Breanna Horsey for an amendment to Resolution No. 67-R-2021-2022 for previously requested and approved events hosted by SLU during the year of 2022.

John King Concert

Wood, Wine & Blues

John King Concert
Request to use Awaysis Park for an outdoor concert on Friday June 17th, 2022.
Request use of and assistance assembling the portable stage owned by the City.
Request use and access to electrical power in Awaysis Park.

Wood Wine & Blues
Request to allow the local Alchemist group of home brewers to serve tastings of beer, August 20th from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event.
Allow for an inflatable ax throwing mobile unit to set up in Sunset Park on Saturday August 20th and Sunday August 21st for children and young adults. The inflatable is for Velcro axe throwing only and will not be accessible for children to play on.

FISCAL IMPACT: The parks department and police department will accrue staff time

associated with each of the planned events. Those staff hours and related equipment will be absorbed in the normal operating budget.

RECOMMENDATION: Approve Resolution No. 72-R-2021-2022 approving the request upon receipt of appropriate insurance, proof of beer and wine licensing and proof of insurance.

ATTACHMENTS:

Description	Type
▣ SLU Events Amendment Request	Letter
▣ SLU Events Request	Backup Material
▣ Resolution No. 72-R-2021-2022	Resolution
▣ Sunset Park - WWB	Map
▣ Great Lawn - John King	Map
▣ Sunset Park - Multicultural Festival	Map



*Storm Lake Public Safety Department
Attn: Chief Chris Cole
401 East Milwaukee Ave
Storm Lake, IA 50588*

Dear Chief Cole,

For 2022, Storm Lake United would like to make revisions on the following events previously requested:

**John King Concert
Wood, Wine and Blues**

John King Concert will take place on **Friday June 17, 2022** at Awaysis Park.

This concert will be a community wide event, open to the public and free to attend. Activities start at 5 p.m. and will conclude around 8:30 p.m. There will be a kid's stage area and children's activities in addition to free food and water. Attendees will be allowed to bring their own beverages, excluding kegs which are not allowed in the park per Storm Lake City Code, Section 10-8-1 Prohibition of Beer Kegs. Storm Lake United would like to request a permit for the following activities:

Friday June 17, 2022

- Use of Awaysis Park for the concert.
- Use of and assistance assembling the portable stage owned by the city.
- Request for assistance from City of Storm Lake to set-up benches and trash receptacles before the event.
- Request for a Noise Variance issued between the hours of 8:00am and 11:30 pm for the concert.
- Permission to have serve free food and non-alcoholic drinks in the park with applicable food licenses per county and city code.
- One entity involved will purchase an insurance policy listing the other entities, including the City of Storm Lake, as additional insured (Storm Lake United will hold the overall insurance policy).
- For appropriate support from parks and public safety.
- For access to electrical power in Awaysis Park.
- Permission to use on site restrooms for the duration of the event.

August 19th-21st, 2022, Storm Lake United is planning to host **Wood, Wine & Blues. Wood, Wine & Blues**, a community-wide event that will include a three-day chainsaw carving competition between professional wood carvers, and axe throwing trailer, a wine and arts

festival on Saturday, August 20th and Sunday August 21st in the park with craft vendors selling their products, Iowa wineries and breweries providing free tastings for the public, a wine trailer, and free daytime concerts from various artists. Storm Lake United would like to request permission for the following:

- To use **Sunset Park** on Friday, August 19th between the hours of 8:00am to 9:00pm. On Saturday, August 20th from 8:00am to 9:00pm. On Sunday, August 21st from 8:00am to 6:00pm.
- To use the Sunset Park Band Shell from 10:00am to 9:00pm on Saturday, August 21st. and from 10:00 am to 5:00 pm on Sunday, August 22nd.
- To have a Noise Variance in Sunset Park on Friday, August 20th from 8:00am to 9:00pm. On Saturday, August 21st from 8:00am to 9:00pm. On Sunday, August 22nd from 8:00am to 5:00pm.
- To allow chainsaw competitors to complete tree sculpture carvings with the designated logs located in Sunset Park on Friday, August 19th from 8:00 am to 5:30pm. Saturday, August 20th from 8:00am to 5:00pm. Sunday, August 21st from 8:00am to 3:30pm.
- To allow craft vendors to display and sell their products in Sunset Park Saturday, August 20th and Sunday, August 21st from 10:00 am to 5:00pm.
- To allow Storm Lake United to sell quick carve sculptures that the competing carvers will create in a 90-minute quick carve competition via silent auction on Saturday, August 20th and Sunday, August 21st.
- To allow food vendors to sell their products on Friday, August 19th, Saturday, August 20th and Sunday, August 21st in Sunset Park.
- To allow the wine vendors to sell glasses of wine on Saturday, August 20th and Saturday, August 21st from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event. Wine vendors will only be serving wine by the glass and selling unopened bottles of Iowa Wines. Wine vendors will be required to submit proof of a valid liquor license and insurance to the City of Storm Lake prior to the event.
- Should SLU obtain correct licenses from the Iowa ABD, request to allow the local Alchemist group of home brewers to serve tastings of beer, August 20th from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event. Brewery vendors will be required to submit proof of a valid liquor license and insurance to the City of Storm Lake prior to the event.
- To allow the competing carvers to sell their work in Sunset Park.
- Permission to set-up Koenig portable toilets as needed.
- To allow for a free to enter 32 team cornhole competition that is open to the community.
- To allow a portable axe throwing mobile unit to set up and service event attendees of the event in Sunset Park on Saturday, August 20th and Sunday, August 21st. Participation is free. The company will provide their own staff and participants must be over 21 to participate. Company will be required to show proof of insurance to the city of Storm Lake prior to the event.
- To allow an inflatable axe throwing mobile unit to set up in Sunset Park on Saturday, August 20th and Sunday, August 21st for children and young adults. The inflatable is for Velcro axe throwing only and will not be accessible for children to play on.
- For appropriate support from parks and public safety.
- For access to electrical power in Sunset Park.
- Request to the City of Storm Lake for assistance to stage and stand the carvers' logs prior to competition.
- Request to the City of Storm Lake for assistance to relocate wood carvings from Sunset Park after competition.

The competing carvers will be responsible to supply their own safety equipment, including safety netting, fire extinguishers, eye protection, ear plugs, and chainsaw resistant pants or chaps. Each carver will be required to sign a waiver before they will be able to compete in the competition.

A representative from Storm Lake United will attend the city council meeting to answer any questions that may arise. If the council has any questions prior to the meeting, feel free to contact me by email.

Thank you,

Breanna Horsey

Executive Director

Storm Lake United

Phone: 712-732-3780

Email: breanna@stormlakeunited.com



*Storm Lake Public Safety Department
Attn: Chief Chris Cole
401 East Milwaukee Ave
Storm Lake, IA 50588*

Dear Chief Cole,

For 2022, Storm Lake United would like to make requests for the following events:

**Taste of Storm Lake
Farmers Market
Fiesta Latina
John King Concert
Ridiculous Days/ Sidewalk Sales
Wood, Wine and Blues
Cultural Festival
Kickball Tournament
Chills and Thrills
Miracle on Lake Avenue**

Taste of Storm Lake is a weekly summer event that enables local non-profit organizations to serve a meal to the public and earn funds for their entity. For *Taste of Storm Lake 2022*, Storm Lake United would like to request the following:

- Permission to use the Chautauqua Park Shelter **House each Thursday starting on June 16th and ending September 15th**. The non-profit agency serving the meal each week will pay the damage deposit for the facility one to two weeks prior to their hosting date.
- A Noise Variance for all *Taste of Storm Lake* events at Chautauqua Park Shelter House between the hours of 4:00pm and 8:00pm.

For the Storm Lake ***Farmers Market***, Storm Lake United would like to request permission for the following:

- Authorization to have sales of farmer raised goods in Public Parking Lot C located at Erie Street and 6th Street.
- Permission for set up of *Farmers Market* stands starting on **Saturday, June 11th and running through Saturday, October 29th on both Thursday Nights from 3:00pm to 6:30pm and on Saturday Mornings from 7:00am to 1:00pm.**
- A Noise Variance on Thursday events and Saturday events for the duration.

Fiesta Latina will take place on **Sunday April 24, 2022** in Chautauqua Park.

This event is hosted by a BVU student group called Raíces and will be a community wide event, open to the public and free to attend. There will either be a DJ or live music, vendors, activities for children and food for sale. No alcohol will be sold. However, attendees will be allowed to bring their own beverages, excluding kegs which are not allowed in the park per Storm Lake City Code, Section 10-8-1 Prohibition of Beer Kegs. Storm Lake United would like to request a permit for the following activities:

Sunday April 24, 2022

- Use of Chautauqua Park for the event.
- Use of the bandshell located in Sunset Park during the event.
- Request for assistance from City of Storm Lake to set-up trash receptacles before the event.
- Request for a Noise Variance issued between the hours of 10:00am and 10:00 pm for the music.
- Permission to have local vendors in Chautauqua Park to sell food and non-alcoholic drinks.
- Permission to have local groups in the park to provide activities and events for children and families.
- For appropriate support from parks and public safety.
- For access to electrical power in Chautauqua Park.
- To allow 2-3 food trucks in the park from 10:00 a.m. to 9:00 p.m.

Ridiculous Days will be taking place in the business district on **July 15th through July 17th, 2022**. Storm Lake United would like to request the following for this event:

- Permission to hold sidewalk sales from Thursday, July 15th at 7:00am through Saturday, July 17th at 5:00pm in the 500, 600 & 700 blocks of Lake Avenue including the side streets immediately adjacent on 5th and 6th Streets.
- Permission to allow community members to sell secondhand goods on Saturday, July 17th from 8:00 am to 4:00 pm. Spaces will be assigned to sellers beforehand and will not be in front of any existing open business. A \$20 refundable deposit will be collected by Storm Lake United when a seller signs-up. The deposit will be refunded to the seller once it has been confirmed their assigned space is clear of any items or trash.
- Permission to allow local food vendors on sidewalks on Saturday, July 17th from 8:00am to 4:00pm.
- Request for a Noise Variance issued for Saturday, July 17th from 8:00am to 5:00pm.

John King Concert will take place on **Friday June 17, 2022** in Sunset Park.

This concert will be a community wide event, open to the public and free to attend. Should SLU decide to sell beer or bring in a vendor, all Iowa ABD guidelines will be followed and public safety will be notified. Attendees will be allowed to bring their own beverages, excluding kegs which are not allowed in the park per Storm Lake City Code, Section 10-8-1 Prohibition of Beer Kegs. Storm Lake United would like to request a permit for the following activities:

Friday June 17, 2022

- Use of Sunset Park for the concert.
- Use of the bandshell located in Sunset Park during the event.
- Request for assistance from City of Storm Lake to set-up benches and trash receptacles before the event.
- Request for a Noise Variance issued between the hours of 8:00am and 11:30 pm for the concert.
- Permission to have local vendors in Sunset Park to sell food and non-alcoholic drinks.
- One entity involved will purchase an insurance policy listing the other entities, including the City of Storm Lake, as additional insured (Storm Lake United will hold the overall insurance policy).
- For appropriate support from parks and public safety.
- For access to electrical power in Sunset Park.
- To allow 1-2 food trucks in the park from 6:00pm to 11:00pm.

August 19th-21st, 2022, Storm Lake United is planning to host **Wood, Wine & Blues. Wood, Wine & Blues**, a community-wide event that will include a three-day chainsaw carving competition between professional wood carvers, and axe throwing trailer, a wine and arts festival on Saturday, August 20th and Sunday August 21st in the park with craft vendors selling their products, Iowa wineries and breweries providing free tastings for the public, a wine trailer, and free daytime concerts from various artists. Should SLU decide to sell beer or bring in a vendor, all Iowa ABD guidelines will be followed, and public safety will be notified. Storm Lake United would like to request permission for the following:

- To use Sunset Park on Friday, August 19th between the hours of 8:00am to 9:00pm. On Saturday, August 20th from 8:00am to 9:00pm. On Sunday, August 21st from 8:00am to 6:00pm.
- To use the Sunset Park Band Shell from 10:00am to 9:00pm on Saturday, August 21st. and from 10:00 am to 5:00 pm on Sunday, August 22nd.
- To have a Noise Variance in Sunset Park on Friday, August 20th from 8:00am to 9:00pm. On Saturday, August 21st from 8:00am to 9:00pm. On Sunday, August 22nd from 8:00am to 5:00pm.
- To allow chainsaw competitors to complete tree sculpture carvings with the designated logs located in Sunset Park on Friday, August 19th from 8:00 am to 5:30pm. Saturday, August 20th from 8:00am to 5:00pm. Sunday, August 21st from 8:00am to 3:30pm.
- To allow craft vendors to display and sell their products in Sunset Park Saturday, August 20th and Sunday, August 21st from 10:00 am to 5:00pm.
- To allow Storm Lake United to sell quick carve sculptures that the competing carvers will create in a 90-minute quick carve competition via silent auction on Saturday, August 20th and Sunday, August 21st.
- To allow food vendors to sell their products on Friday, August 19th, Saturday, August 20th and Sunday, August 21st in Sunset Park.

- To allow the wine vendors to sell glasses of wine on Saturday, August 20th and Saturday, August 21st from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event. Wine vendors will only be serving wine by the glass and selling unopened bottles of Iowa Wines. Wine vendors will be required to submit proof of a valid liquor license and insurance to the City of Storm Lake prior to the event.
- Should SLU obtain correct licenses from the Iowa ABD, request to allow the brewery vendors to sell glasses of beer on Saturday, August 20th and Sunday, August 21st from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event. Brewery vendors will be required to submit proof of a valid liquor license and insurance to the City of Storm Lake prior to the event.
- To allow the competing carvers to sell their work in Sunset Park.
- Permission to set-up Koenig portable toilets as needed.
- To allow for a free to enter 32 team cornhole competition that is open to the community.
- To allow a portable axe throwing mobile unit to set up and service event attendees of the event in Sunset Park on Saturday, August 20th and Sunday, August 21st. Participation is free. The company will provide their own staff and participants must be over 21 to participate. Company will be required to show proof of insurance to the city of Storm Lake prior to the event.
- To allow an inflatable axe throwing mobile unit to set up in Sunset Park on Saturday, August 20th and Sunday, August 21st for children and young adults.
- For appropriate support from parks and public safety.
- For access to electrical power in Sunset Park.
- Request to the City of Storm Lake for assistance to stage and stand the carvers' logs prior to competition.
- Request to the City of Storm Lake for assistance to relocate wood carvings from Sunset Park after competition.

The competing carvers will be responsible to supply their own safety equipment, including safety netting, fire extinguishers, eye protection, ear plugs, and chainsaw resistant pants or chaps. Each carver will be required to sign a waiver before they will be able to compete in the competition.

September 10th, 2022, Storm Lake United is planning to host a **Cultural Festival** that will be a free community-wide event at Sunset Park. The event will include dancing, singing, family activities, music by a DJ, band or sound system, community vendors to educate the public about different cultures, food vendors, and a talent show. No alcohol will be sold. However, attendees will be allowed to bring their own beverages, excluding kegs which are not allowed in the park per Storm Lake City Code, Section 10-8-1 Prohibition of Beer Kegs. Storm Lake United would like to request a permit for the following activities:

- To use Sunset Park on Saturday, September 10th between the hours of 8:00am to 11:00pm.
- To use the Sunset Park Band Shell from 10:00am to 11:00pm
- To have a Noise Variance in Sunset Park on Saturday September 10th from 10 a.m. to 11:00 p.m.
- To allow vendors to display and sell their products in Sunset Park on this day
- To allow food vendors to sell their products
- Permission to set-up Koenig portable toilets as needed.
- For appropriate support from parks and public safety.
- For access to electrical power in Sunset Park.

October 8th, 2022, Storm Lake United is planning to host **Kickball Tournament** that will benefit local charities and non-profits. The tournament will be held at the Field of Dreams. At least 50% of funds from team entrances will be donated directly to local non-profit organizations, approximately 25% into a scholarship fund for underprivileged students in partnership with BVU, and approximately 25% reserved for future event organization. Storm Lake United would like to request a permit for the following activities:

- To have a Noise Variance at the Field of Dreams on **October 8th from 8:00 a.m. to 8:00 p.m.**

Chills and Thrills is the annual Halloween Trick or Treat in Storm Lake that includes coordination with BVU Student Organization and local businesses to provide a family friendly Halloween Trick or Treat event for the citizens of Storm Lake. This year the event is scheduled for **Saturday, October 29th**. Storm Lake United would like to request a permit for the following activities during *Chills and Thrills 2022*:

- A Noise Variance beginning at 9:00am to 12:00pm.
- Permission for student organizations and local businesses to set up tables for games and candy on the 500, 600 & 700 block of Lake Avenue from 9:00am to 12:00pm.

Lastly, **Miracle on Lake Avenue** will take place on Thursday, December 8th, 2021. Storm Lake United would like to make the request for the following activities on Lake Avenue between 5:00pm and 9:00pm.

- A Noise Variance for holiday music is needed for the parade and sidewalk activities on the 500 and 600 blocks of Lake Avenue from 5:00pm to 9:00pm.
- The parade will start at 6:00pm. The staging area will be in the 500 and 600 blocks of Cayuga Street. The parade will go West on 7th Street, South on Lake Avenue, East on Railroad Street and North on Erie Street ending in the 700 block.
- A street closure at the 200 block of East 5th Street for the Tree Lighting ceremony that will take place immediately following the parade. Once the ceremony is over, the street will be reopened.

A representative from Storm Lake United will attend the city council meeting to answer any questions that may arise. If the council has any questions prior to the meeting, feel free to contact me by email.

Thank you,

Breanna Horsey

Executive Director

Storm Lake United

Phone: 712-732-3780

Email: breanna@stormlakeunited.com

RESOLUTION NO. 72-R-2021-2022

**RESOLUTION AMENDING STORM LAKE UNITED REQUESTS FOR A SERIES OF
THE 2022 COMMUNITY EVENTS**

WHEREAS, On March 21st, 2022, the City Council approved Resolution No. 67-R-2021-2022 for the Storm Lake United 2022 Community events

WHEREAS, Storm Lake United has requested changes to the 2022 community events

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE,
IOWA:**

To approve the following changes to the 2022 Community Events:

John King Concert

- Request to use Awaysis Park for an outdoor concert on Friday June 17th, 2022.
- Request use of and assistance assembling the portable stage owned by the City.
- Request use and access to electrical power in Awaysis Park.

Wood Wine & Blues

- Request to allow the local Alchemist group of home brewers to serve tastings of beer, August 20th from the hours of 12:00 pm to 5:00 pm during the Wood, Wine and Blues event.
- Allow for an inflatable axe throwing mobile unit to set up in Sunset Park on Saturday August 20th and Sunday August 21st for children and young adults. The inflatable is for Velcro axe throwing only and will not be accessible for children to play on.

In each of the submitted event requests there was also a standing request for appropriate assistance from the Parks, Streets and Police Departments.

PASSED AND APPROVED this 5th Day of May 2022

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk



W Lakeshore Dr

Ontario St

Genesee St

Genesee St

M & M

W Lakeshore Dr

Bags/Kids
Activity Area

Food Trucks

Wine and Art
Vendors

Portable Toilets

Portable Toilets

American Sycamore
Moon Tree

Beer Sampling

Carvers

Kid's Axe

Axe Throwing

Portable
Toilets

Quick Carve



Food/Grilling

Tables

Portable Toilets

Kids Stage/Activities

Main Stage



W Lakeshore Dr

Ontario St

Genesee St

Genesee St

M & M Const

W 1st

W

Food Vendors

Portable Toilets

Portable Toilets

Music and Seating

Tour of the
World in the
Tree Museum

Sunset Park

American Sycamore
Moon Tree

Staff Summary

5/2/2022

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: Keri Navratil, City Manager

SUBJECT: **Storm Lake United Update**

BACKGROUND: Executive Director, Breanna Horsey, will provide an update regarding Storm Lake United.

FISCAL IMPACT: N/A

RECOMMENDATION: N/A

Staff Summary

5/2/2022

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: Tyler Gibbins, Staff Accountant

SUBJECT: **Motion to Approve Golf Passes for Junior Golf Program**

BACKGROUND: July 6th, 2021 the council entered into an agreement with the First Tee of Siouxland in order to incorporate the First Tee Curriculum for our junior golf program. Though the continued partnerships with Community Ed, Weigand-Omega, and Sunrise Pointe Golf Course, Sunrise Pointe will offer a junior golf program during the 2022 season.

The First Tee of Siouxland is a youth development program, that uses a golf curriculum to build character, install values, and creates healthy habits in youth. These lessons are tailored to match each participants age and ability.

"Tee It Up at Sunrise" youth program will be extended to a 9 week program beginning June 21st and held each Tuesday morning through August 16th at the same \$50 fee as the 2021 program.

This item is a request to have the City of Storm Lake waive the fee to provide each participant with a free round of golf at Sunrise Pointe Golf Course at the conclusion of their participation.

FISCAL IMPACT: There are no costs associated with this request to waive fees.

RECOMMENDATION: Motion to approve the waiving of fees associated with providing each junior golf participant a round of golf at Sunrise Pointe Golf Course at the conclusion of the Tee It Up at Sunrise junior golf program.

Staff Summary

5/2/2022

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 & Code Compliance Director

SUBJECT: **Public Hearing On A Proposed Text Amendment to the Storm Lake Zoning Ordinance To Permit Kennels in the GI Zoning District.**

BACKGROUND: There has been a request by Brent Mangold to allow Kennels to be a permitted use in the GI, General Industrial Zoning District. Currently, this is not an allowable use in this Zoning District.

The proposed Kennel use type would appear to be compatible with the uses which are currently permitted in the GI, General Industrial Zoning District.

I have attached the proposed text amendment for your review.

Before a text amendment may be approved by the City Council, a written recommendation must be provided by the Planning and Zoning Commission. The Planning and Zoning Commission held a public meeting on April 28th, 2022 at 4:00 p.m. The Planning and Zoning Commission recommended approval of the text amendment, the vote was 6-0.

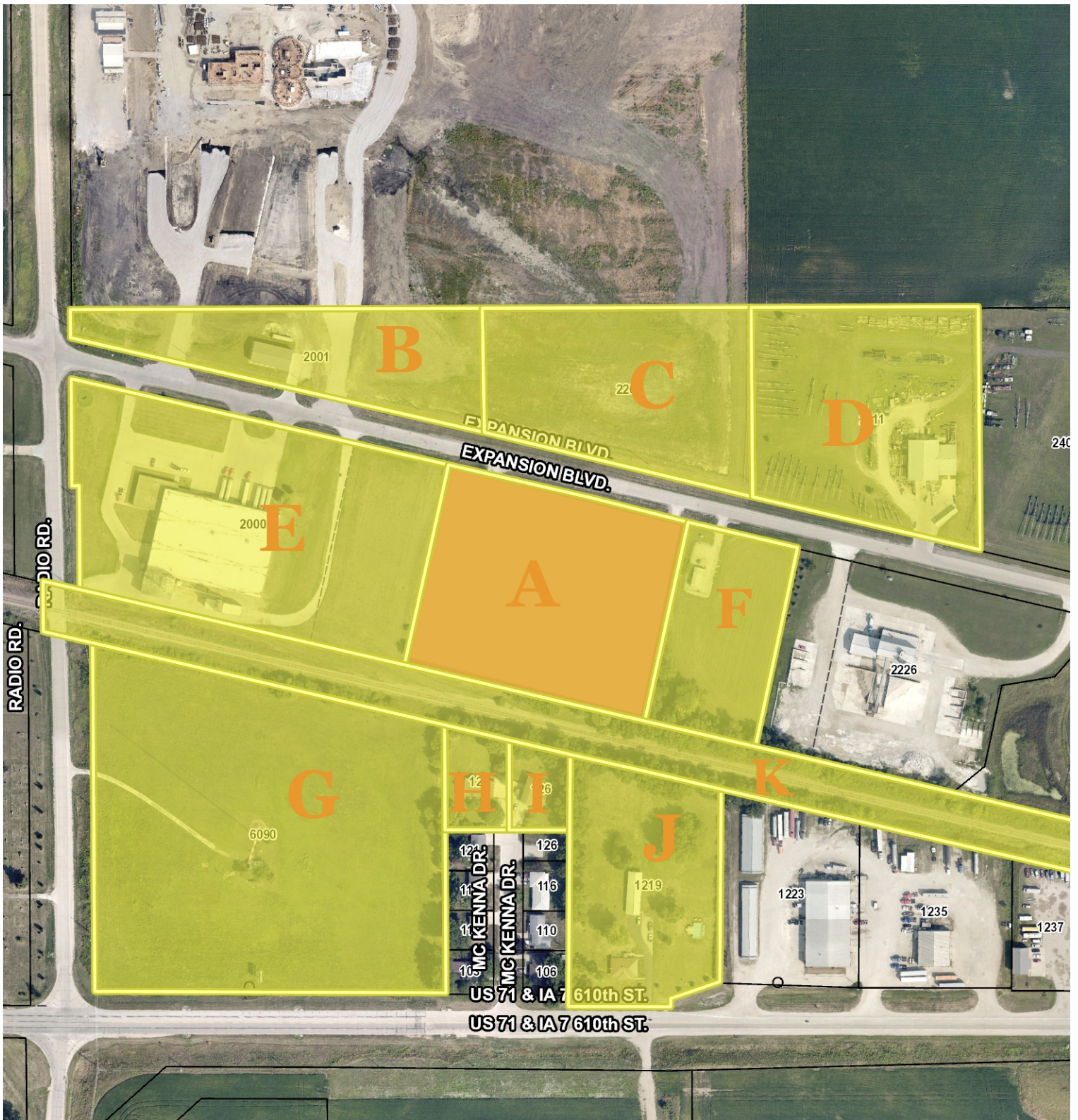
The City Council will meet on Monday, May 2nd, 2022 at 5:00 pm.

FISCAL IMPACT: Cost of public notices and legal fees estimated at \$200.00.

RECOMMENDATION: Open the Public Hearing
Receive Public Input
Close The Public Hearing

ATTACHMENTS:

Description		Type
	Map	Map
	Notice to the Public	Letter
	Application	Application



0 263 Feet



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& MENK**

Real People. Real Solutions.

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.

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Map Name

**NOTICE OF PUBLIC HEARING FOR PUBLICATION
PLANNING AND ZONING AND CITY COUNCIL
CITY OF STORM LAKE**



File number: **2022-2**

Date: **April 18, 2022**

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

A petition for a Text Amendment to the Storm Lake Zoning Ordinance to Permit Kennels as a Permitted use in the GI, General Industrial District has been filed by Brent Mangold.

The petition requests approval to allow for kennel businesses as a permitted use in the General Industrial zoning district. The proposed text changes to permit such an additional use are as follows:

- b. In “Article Four - Base Zoning District Regulations,” “Table 4-2-Permitted and Conditional Uses By Zoning Districts”, under “Commercial Uses, on page 4-10, ” insert “P” in the “GI” column of the “Kennels” row.

A public hearing will be held by the Planning and Zoning Commission on April 28, 2022, at 4:00 pm at which time you may appear if you so desire, either in person or by agent or attorney, in opposition to or support of the proposed ordinance to permit kennels as a permitted use in the GI, General Industrial District. You may attend in person at City Hall, by Telephone: Dial: 1-312-626-6799 or tollfree: 1-888-475-4499 – Zoom Meeting ID: 825 5453 3554, or by Computer: <https://us06web.zoom.us/j/82554533554>.

Following the hearing the board will make a recommendation to the City Council relative to the application. **The City Council will meet Monday, May 2, 2022 at 5:00 P.M.** You may attend in person at City Hall, By Telephone Dial: 1-312-626-6799 or toll-free: 1-888-475-4499 Zoom Meeting ID: 933-2006-3301, or By Computer: <https://zoom.us/j/93320063301>

Respectfully submitted,

Scott Olesen
Zoning Administrator

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



PROPERTY ADDRESS:

2004 Expansion Blvd

PROPERTY OWNER:

Brent L. Mangold

OWNER ADDRESS
(if different than above):

177 Stoney Point Drive
Storm Lake, IA 50588

OWNER PHONE NUMBER:

712-299-7786

OWNER EMAIL:

blmangold@gmail.com

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

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
p (712) 732-8000
f (712) 732-4114

CURRENT ZONING ORDINANCE: Industrial (GI)

TEXT AMENDMENT REQUEST: To permit Kennels as a permitted use

in the
GI
District

ADDRESS OF THE PROPERTY: 2004 Expansion Blvd.

LEGAL DESCRIPTION
OF THE PROPERTY: 02-02 Storm Lake Corp Hayes
Industrial Park (Ex W 200' $\frac{1}{2}$ W 200'
Lot 3

PRESENT ZONING DISTRICT: GI

REQUESTED ZONING DISTRICT: GI

WHY PRESENT ZONING IS NO LONGER VALID: N/A

EXISTING USE OF PROPERTY: Vacant

PROPOSED USE OF PROPERTY: Kennel

Signature of Property Owner: Brett Mangold Date: 4-14-2022

City of Storm Lake Use

Meeting Date:

Appeal No.:

Application Fee Paid:

Date Paid:

Staff Summary

5/2/2022

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: Scott Olesen, Building & Code Compliance Director

SUBJECT: **Ordinance No. 10-O-2021-2022 For A Proposed Text Amendment to the Storm Lake Zoning Ordinance to Permit Kennels in the GI Zoning District. - 1st Reading**

BACKGROUND: There has been a request by Brent Mangold to allow Kennels to be a permitted use in the GI, General Industrial Zoning District. Currently, this is not an allowable use in this Zoning District.

The proposed Kennel use type would appear to be compatible with the uses which are currently permitted in the GI, General Industrial Zoning District.

I have attached the proposed text amendment for your review.

Before a text amendment may be approved by the City Council, a written recommendation must be provided by the Planning and Zoning Commission. The Planning and Zoning Commission met on April 28th, 2022 at 4:00 p.m. The Planning and Zoning Commission recommends approval of the request, the vote was 6-0.

The City Council will meet on Monday, May 2nd, 2022 at 5:00 pm.

FISCAL IMPACT: Cost of public notices and legal fees estimated at \$200.00.

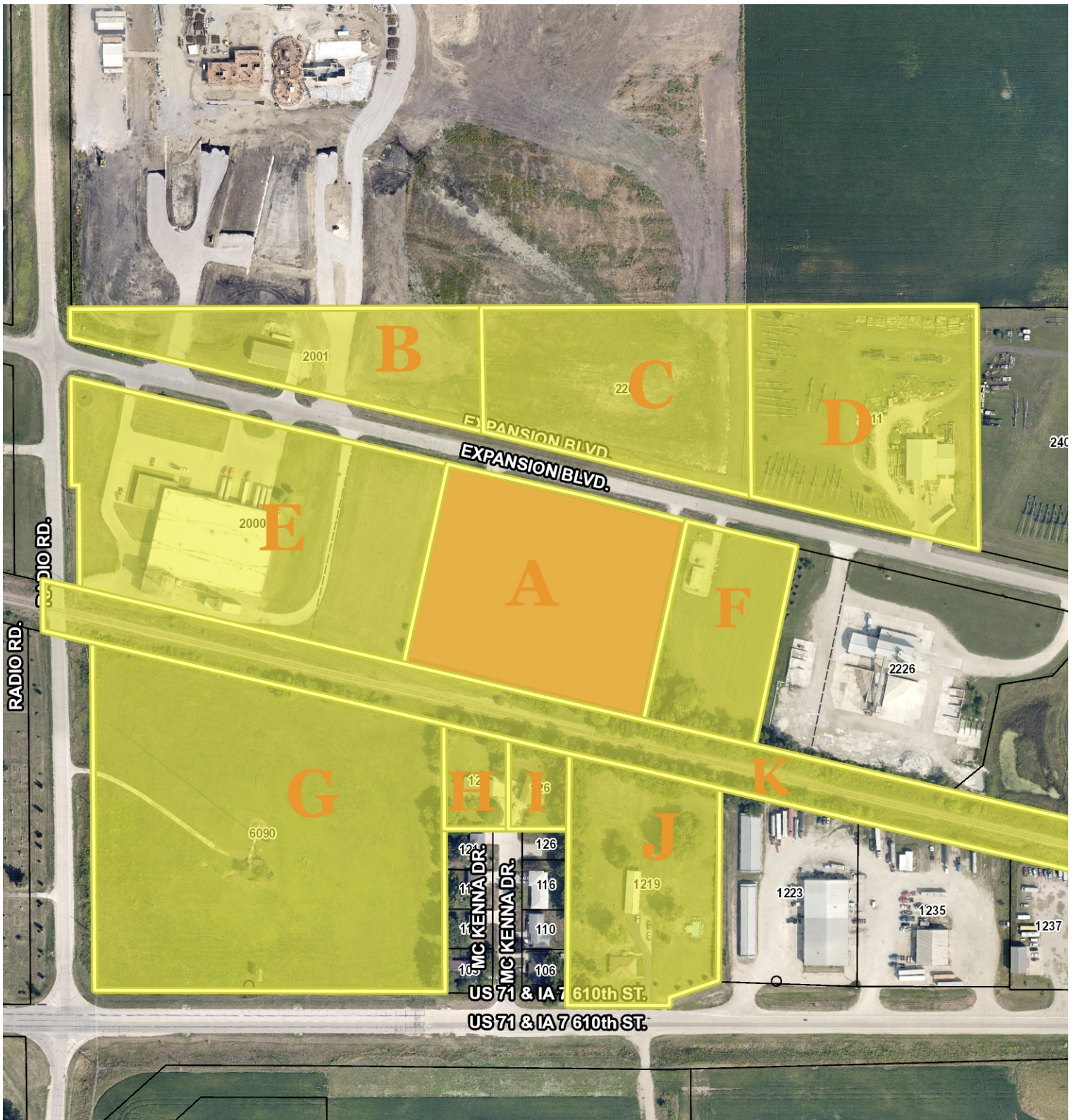
RECOMMENDATION: Review and approve the proposed text amendment attached to this staff summary as recommended by the Planning and Zoning Commission.

First Reading: May 2, 2022
Second Reading: May 16th, 2022

Third Reading: June 6th, 2022

ATTACHMENTS:

Description		Type
▣	Map	Map
▣	Notice to the Public	Letter
▣	Application	Application
▣	Ordinance No. 10-O-2021-2022	Ordinance



0 263 Feet



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& MENK**

Real People. Real Solutions.

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.

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Map Name

**NOTICE OF PUBLIC HEARING FOR PUBLICATION
PLANNING AND ZONING AND CITY COUNCIL
CITY OF STORM LAKE**



File number: **2022-2**

Date: **April 18, 2022**

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

A petition for a Text Amendment to the Storm Lake Zoning Ordinance to Permit Kennels as a Permitted use in the GI, General Industrial District has been filed by Brent Mangold.

The petition requests approval to allow for kennel businesses as a permitted use in the General Industrial zoning district. The proposed text changes to permit such an additional use are as follows:

- b. In “Article Four - Base Zoning District Regulations,” “Table 4-2-Permitted and Conditional Uses By Zoning Districts”, under “Commercial Uses, on page 4-10, ” insert “P” in the “GI” column of the “Kennels” row.

A public hearing will be held by the Planning and Zoning Commission on April 28, 2022, at 4:00 pm at which time you may appear if you so desire, either in person or by agent or attorney, in opposition to or support of the proposed ordinance to permit kennels as a permitted use in the GI, General Industrial District. You may attend in person at City Hall, by Telephone: Dial: 1-312-626-6799 or tollfree: 1-888-475-4499 – Zoom Meeting ID: 825 5453 3554, or by Computer: <https://us06web.zoom.us/j/82554533554>.

Following the hearing the board will make a recommendation to the City Council relative to the application. **The City Council will meet Monday, May 2, 2022 at 5:00 P.M.** You may attend in person at City Hall, By Telephone Dial: 1-312-626-6799 or toll-free: 1-888-475-4499 Zoom Meeting ID: 933-2006-3301, or By Computer: <https://zoom.us/j/93320063301>

Respectfully submitted,

Scott Olesen
Zoning Administrator

ZONING ORDINANCE AMENDMENT REQUEST

CITY OF STORM LAKE

PLANNING AND ZONING COMMISSION and CITY COUNCIL



PROPERTY ADDRESS:

2004 Expansion Blvd

PROPERTY OWNER:

Brent L. Mangold

OWNER ADDRESS
(if different than above):

177 Stoney Point Drive
Storm Lake, IA 50588

OWNER PHONE NUMBER:

712-299-7786

OWNER EMAIL:

b1mangold@gmail.com

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

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
p (712) 732-8000
f (712) 732-4114

CURRENT ZONING ORDINANCE: Industrial (GI)

TEXT AMENDMENT REQUEST: To permit Kennels as a permitted use

in the
GI
District

ADDRESS OF THE PROPERTY: 2004 Expansion Blvd.

LEGAL DESCRIPTION
OF THE PROPERTY: 02-02 Storm Lake Corp Hayes
Industrial Park (Ex W 200' $\frac{1}{2}$ W 200'
Lot 3

PRESENT ZONING DISTRICT: GI

REQUESTED ZONING DISTRICT: GI

WHY PRESENT ZONING IS NO LONGER VALID: N/A

EXISTING USE OF PROPERTY: Vacant

PROPOSED USE OF PROPERTY: Kennel

Signature of Property Owner: Brett Mangold Date: 4-14-2022

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

ORDINANCE NO. 10-O-2021-2022

ORDINANCE AMENDING THE ZONING ORDINANCE OF THE CITY OF STORM LAKE, A PART OF THE STORM LAKE MUNICIPAL CODE, TO ALLOW FOR KENNELS AS A PERMITTED USE IN THE GENERAL INDUSTRIAL (GI) ZONING DISTRICT

WHEREAS, the City Staff has received a petition for changes in the text of the Storm Lake Zoning Ordinance and Subdivision Regulations to allow for Kennels as a permitted use in the General Industrial (GI) Zoning District;

WHEREAS, the City's Planning and Zoning Commission has reviewed and recommended approval of the proposed changes in the text of the Zoning Ordinance that will allow for such additional use of real property in a GI Zoning District; and

WHEREAS, the proposed changes in the text of such Zoning Ordinance are consistent and in accordance with the comprehensive plan adopted by the City in Resolution No. 94-R-2012-2013 on February 18, 2013;

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

Section 1. AMENDMENTS. The Zoning Ordinance of the City of Storm Lake is amended as follows:

- b. In "Article Four - Base Zoning District Regulations," "Table 4-2-Permitted and Conditional Uses By Zoning Districts" under "Commercial Uses," on Page 4-10, insert "P" in the "GI" column of the "Kennels" row.

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

Section 3. EFFECTIVE DATE. 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 _____, 2021.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

5/2/2022

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: Scott Olesen, Building & Code Compliance Director

SUBJECT: **Motion Setting A Public Hearing On A Proposed Text Amendment To The Storm Lake Zoning Ordinance To Permit Servicing Of Non-Commercial Lawn And Garden Equipment As A Home Occupation**

BACKGROUND: There has been interest in the potential for servicing of non-commercial lawn and garden equipment as a Home Occupation in the Residential Zoning Districts. Currently, this is not an allowable Home Occupation use.

This use type would provide for the servicing of non-commercial lawn and garden equipment such as lawnmowers, snow blowers, and garden tillers, and similar non-licensed equipment intended for use by homeowners. The extent of work would be limited to tune ups and oil changes. It would not include engine rebuilding, welding of any kind, or painting. The lawn and garden equipment is to be brought to the building by the occupant of the dwelling, no deliveries by the equipment owner would be permitted and work must be performed inside of a garage. No external storage is permitted.

The home occupation may only operate between the hours of 8:00 a.m. and 8:00 p.m.

I have attached the proposed text amendment for your review.

Before a text amendment may be approved by the City Council, a written recommendation must be provided by the Planning and Zoning Commission.

FISCAL IMPACT: Cost of public notices and legal fees estimated at \$200.00.

RECOMMENDATION: Approve setting the public hearing for May 16, 2022 at the Council Chamber at City Hall.

ATTACHMENTS:

Description	Type
 Notice to the Public	Backup Material



**PLANNING AND ZONING AND CITY COUNCIL
CITY OF STORM LAKE**

File number: **2022-3**

Date: **May 3, 2022**

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

A petition for a Text Amendment to the Storm Lake Zoning Ordinance to allow servicing of non-commercial lawn and garden equipment as a permitted Home Occupation use in Residential Zoning Districts has been filed by Travis and Darci Brown.

The petition requests approval to allow for servicing of non-commercial lawn and garden equipment as a permitted Home Occupation use in the Residential Zoning Districts. As follows:

A home-based business that provides oil changes, engine tune ups, and general maintenance of non-commercial lawn & garden equipment such as lawnmowers, snow blowers, garden tilling, and similar unlicensed, non-recreational equipment, intended for use by urban homeowners. This use does not permit the rebuilding of small engines, painting, or welding of any kind. Uses are limited to dwelling garages and no work or storage outside of the garage is permitted. No customer drop offs are permitted and the business may only operate between the hours of 8:00 am and 8:00 pm.

A public hearing will be held by the Planning and Zoning Commission on May 12, 2022, at 5:15 P.M. at which time you may appear if you so desire, either in person or by agent or attorney, in opposition to or support of the proposed ordinance to permit servicing of non-commercial lawn and garden equipment as a Home Occupation in the Residential Zoning Districts. You may attend in person at City Hall, by Telephone: Dial: 1-312-626-6799 or tollfree: 1-888-475-4499 – Zoom Meeting ID: 825 5453 3554, or by Computer: <https://us06web.zoom.us/j/82554533554>

Following the hearing the board will make a recommendation to the City Council relative to the application. **The City Council will meet Monday, May 16, 2022, at 5:00 P.M.** You may attend in person at City Hall, By Telephone Dial: 1-312-626-6799 or toll-free: 1-888-475-4499 Zoom Meeting ID: 933-2006-3301, or By Computer: <https://zoom.us/j/93320063301>

Respectfully submitted,

Scott Olesen
Zoning Administrator

Staff Summary

5/2/2022

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: Brian Oakleaf, Finance Director

SUBJECT: **Public Hearing for FY 2022 Budget Amendment**

BACKGROUND: Iowa Code prohibits any program expenditures to exceed their budgeted amounts and requires any amendment to be filed before June 1st. The Budget Process begins nearly 18 months from the end of the Budgeted Fiscal Year. This Amendment process allows us to reevaluate the assumptions and estimates made and adjust as we wind the Fiscal Year to a close. While Revenues and Expenditure Reductions are not required to be Amended, the City of Storm Lake includes these figures for increased transparency. Typically, Capital Projects and Improvements float between Fiscal Years, and this is reflected in Public Works, Enterprise and Capital Projects. As the Fiscal Year ends during the peak of construction season, this cannot be avoided. In addition, securing equipment and capital items now crosses Fiscal Years due to supply issues. We were able to reduce expected expenditures in the areas of Culture and Recreation as funds for the Marina were no longer needed. Legal expenses were greatly reduced. Transfers are simply a reflection of internal movement in Funds and do not result in actual increases or decreases to cash. A period of extensive Debt Refinancing and Consolidation leaves us with a minor adjustment to June's Debt Service. The total increase in Expenditures is expected to be \$3,186, or 0.00976%

FISCAL IMPACT: While the authorized Expenditures would increase by \$3,186, this does not necessarily mean an increase in spending.

RECOMMENDATION: Open Public Hearing
Hear Comments
Close Public Hearing

ATTACHMENTS:

Description	Type
 Budget Publication	Backup Material

NOTICE OF PUBLIC HEARING - AMENDMENT OF CURRENT BUDGET

City of STORM LAKE
Fiscal Year July 1, 2021 - June 30, 2022

The City of STORM LAKE will conduct a public hearing for the purpose of amending the current budget for fiscal year ending June 30, 2022

Meeting Date/Time: 5/2/2022 05:00 PM

Contact: Brian T. Oakleaf

Phone: (712) 732-8000

Meeting Location: City Council Chambers
City Hall
620 Erie St.

There will be no increase in taxes. Any residents or taxpayers will be heard for or against the proposed amendment at the time and place specified above. A detailed statement of: additional receipts, cash balances on hand at the close of the preceding fiscal year, and proposed disbursements, both past and anticipated, will be available at the hearing.

REVENUES & OTHER FINANCING SOURCES		Total Budget as Certified or Last Amended	Current Amendment	Total Budget After Current Amendment
Taxes Levied on Property	1	4,426,768	0	4,426,768
Less: Uncollected Delinquent Taxes - Levy Year	2	0	0	0
Net Current Property Tax	3	4,426,768	0	4,426,768
Delinquent Property Tax Revenue	4	0	0	0
TIF Revenues	5	910,956	0	910,956
Other City Taxes	6	2,655,195	0	2,655,195
Licenses & Permits	7	165,195	0	165,195
Use of Money & Property	8	226,202	19,770	245,972
Intergovernmental	9	2,973,359	-750,000	2,223,359
Charges for Service	10	15,256,002	1,713,021	16,969,023
Special Assessments	11	0	0	0
Miscellaneous	12	0	443,222	443,222
Other Financing Sources	13	1,350,000	0	1,350,000
Transfers In	14	9,446,035	2,356,917	11,802,952
Total Revenues & Other Sources	15	37,409,712	3,782,930	41,192,642
EXPENDITURES & OTHER FINANCING USES				
Public Safety	16	3,601,371	0	3,601,371
Public Works	17	1,812,203	223,568	2,035,771
Health and Social Services	18	116,000	0	116,000
Culture and Recreation	19	1,970,546	-83,431	1,887,115
Community and Economic Development	20	725,971	0	725,971
General Government	21	807,912	-37,000	770,912
Debt Service	22	2,108,213	116,337	2,224,550
Capital Projects	23	5,848,100	-860,300	4,987,800
Total Government Activities Expenditures	24	16,990,316	-640,826	16,349,490
Business Type/Enterprise	25	15,660,461	644,012	16,304,473
Total Gov Activities & Business Expenditures	26	32,650,777	3,186	32,653,963
Transfers Out	27	9,446,035	2,356,917	11,802,952
Total Expenditures/Transfers Out	28	42,096,812	2,360,103	44,456,915
Excess Revenues & Other Sources Over (Under) Expenditures/Transfers Out	29	-4,687,100	1,422,827	-3,264,273
Beginning Fund Balance July 1, 2021	30	21,479,783	0	21,479,783
Ending Fund Balance June 30, 2022	31	16,792,683	1,422,827	18,215,510

Explanation of Changes: While Revenues and Expenditure Reductions are not required to be Amended, the City of Storm Lake includes these figures for increased transparency. Typically, Capital Projects and Improvements float between Fiscal Years, and this is reflected in Public Works, Enterprise and Capital Projects. As the Fiscal Year ends during the peak of construction season, this cannot be avoided. In addition, securing equipment and capital items now crosses Fiscal Years due to supply issues. We were able to reduce expected expenditures in the areas of Culture and Recreation as funds for the Marina were no longer needed. Legal expenses were greatly reduced. Transfers are simply a reflection of internal movement in Funds and do not result in actual increases or decreases to cash. A period of extensive Debt Refinancing and Consolidation leaves us with a minor adjustment to June's Debt Service. The total increase in Expenditures is expected to be \$3,186, or 0.00976%

Staff Summary

5/2/2022

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: Brian Oakleaf, Finance Director

SUBJECT: **Resolution No. 73-R-2021-2022 Amending The Current Budget For the Fiscal Year Ending June 30, 2022**

BACKGROUND: Iowa Code prohibits any program expenditures to exceed their budgeted amounts and requires any amendment to be filed before June 1st. The Budget Process begins nearly 18 months from the end of the Budgeted Fiscal Year. This Amendment process allows us to reevaluate the assumptions and estimates made and adjust as we wind the Fiscal Year to a close.

While Revenues and Expenditure Reductions are not required to be Amended, the City of Storm Lake includes these figures for increased transparency. Typically, Capital Projects and Improvements float between Fiscal Years, and this is reflected in Public Works, Enterprise and Capital Projects. As the Fiscal Year ends during the peak of construction season, this cannot be avoided. In addition, securing equipment and capital items now crosses Fiscal Years due to supply issues. We were able to reduce expected expenditures in the areas of Culture and Recreation as funds for the Marina were no longer needed. Legal expenses were greatly reduced. Transfers are simply a reflection of internal movement in Funds and do not result in actual increases or decreases to cash. A period of extensive Debt Refinancing and Consolidation leaves us with a minor adjustment to June's Debt Service. The total increase in Expenditures is expected to be \$3,186, or 0.00976%

FISCAL IMPACT: While the authorized Expenditures would increase by \$3,186, this does not necessarily mean an increase in spending.

RECOMMENDATION: Approve Resolution No. 73-R-2021-2022 Amending the FY 2022 Budget.

ATTACHMENTS:

Description	Type
📎 Budget Amendment	Backup Material
📎 Resolution No. 73-R-2021-2022	Resolution

NOTICE OF PUBLIC HEARING - AMENDMENT OF CURRENT BUDGET

City of STORM LAKE
Fiscal Year July 1, 2021 - June 30, 2022

The City of STORM LAKE will conduct a public hearing for the purpose of amending the current budget for fiscal year ending June 30, 2022

Meeting Date/Time: 5/2/2022 05:00 PM

Contact: Brian T. Oakleaf

Phone: (712) 732-8000

Meeting Location: City Council Chambers
City Hall
620 Erie St.

There will be no increase in taxes. Any residents or taxpayers will be heard for or against the proposed amendment at the time and place specified above. A detailed statement of: additional receipts, cash balances on hand at the close of the preceding fiscal year, and proposed disbursements, both past and anticipated, will be available at the hearing.

REVENUES & OTHER FINANCING SOURCES		Total Budget as Certified or Last Amended	Current Amendment	Total Budget After Current Amendment
Taxes Levied on Property	1	4,426,768	0	4,426,768
Less: Uncollected Delinquent Taxes - Levy Year	2	0	0	0
Net Current Property Tax	3	4,426,768	0	4,426,768
Delinquent Property Tax Revenue	4	0	0	0
TIF Revenues	5	910,956	0	910,956
Other City Taxes	6	2,655,195	0	2,655,195
Licenses & Permits	7	165,195	0	165,195
Use of Money & Property	8	226,202	19,770	245,972
Intergovernmental	9	2,973,359	-750,000	2,223,359
Charges for Service	10	15,256,002	1,713,021	16,969,023
Special Assessments	11	0	0	0
Miscellaneous	12	0	443,222	443,222
Other Financing Sources	13	1,350,000	0	1,350,000
Transfers In	14	9,446,035	2,356,917	11,802,952
Total Revenues & Other Sources	15	37,409,712	3,782,930	41,192,642
EXPENDITURES & OTHER FINANCING USES				
Public Safety	16	3,601,371	0	3,601,371
Public Works	17	1,812,203	223,568	2,035,771
Health and Social Services	18	116,000	0	116,000
Culture and Recreation	19	1,970,546	-83,431	1,887,115
Community and Economic Development	20	725,971	0	725,971
General Government	21	807,912	-37,000	770,912
Debt Service	22	2,108,213	116,337	2,224,550
Capital Projects	23	5,848,100	-860,300	4,987,800
Total Government Activities Expenditures	24	16,990,316	-640,826	16,349,490
Business Type/Enterprise	25	15,660,461	644,012	16,304,473
Total Gov Activities & Business Expenditures	26	32,650,777	3,186	32,653,963
Transfers Out	27	9,446,035	2,356,917	11,802,952
Total Expenditures/Transfers Out	28	42,096,812	2,360,103	44,456,915
Excess Revenues & Other Sources Over (Under) Expenditures/Transfers Out	29	-4,687,100	1,422,827	-3,264,273
Beginning Fund Balance July 1, 2021	30	21,479,783	0	21,479,783
Ending Fund Balance June 30, 2022	31	16,792,683	1,422,827	18,215,510

Explanation of Changes: While Revenues and Expenditure Reductions are not required to be Amended, the City of Storm Lake includes these figures for increased transparency. Typically, Capital Projects and Improvements float between Fiscal Years, and this is reflected in Public Works, Enterprise and Capital Projects. As the Fiscal Year ends during the peak of construction season, this cannot be avoided. In addition, securing equipment and capital items now crosses Fiscal Years due to supply issues. We were able to reduce expected expenditures in the areas of Culture and Recreation as funds for the Marina were no longer needed. Legal expenses were greatly reduced. Transfers are simply a reflection of internal movement in Funds and do not result in actual increases or decreases to cash. A period of extensive Debt Refinancing and Consolidation leaves us with a minor adjustment to June's Debt Service. The total increase in Expenditures is expected to be \$3,186, or 0.00976%

RESOLUTION NO. 73-R-2021-2022

A RESOLUTION AMENDING THE CURRENT BUDGET FOR THE FISCAL YEAR ENDING JUNE 30, 2022

Be it Resolved by the Council of the City of Storm Lake:

Section 1. Following notice published April 22, 2022 and the public hearing held, May 5th, 2022 the current budget is amended as set out herein and in the detail by fund type and activity that supports this resolution which was considered at that hearing:

There will be no increase in taxes. Any residents or taxpayers will be heard for or against the proposed amendment at the time and place specified above. A detailed statement of: additional receipts, cash balances on hand at the close of the preceding fiscal year, and proposed disbursements, both past and anticipated, will be available at the hearing.				
REVENUES & OTHER FINANCING SOURCES		Total Budget as Certified or Last Amended	Current Amendment	Total Budget After Current Amendment
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Ending Fund Balance June 30, 2022	31	16,792,683	1,422,827	18,215,510
Explanation of Changes: While Revenues and Expenditure Reductions are not required to be Amended, the City of Storm Lake includes these figures for increased transparency. Typically, Capital Projects and Improvements float between Fiscal Years, and this is reflected in Public Works, Enterprise and Capital Projects. As the Fiscal Year ends during the peak of construction season, this cannot be avoided. In addition, securing equipment and capital items now crosses Fiscal Years due to supply issues. We were able to reduce expected expenditures in the areas of Culture and Recreation as funds for the Marina were no longer needed. Legal expenses were greatly reduced. Transfers are simply a reflection of internal movement in Funds and do not result in actual increases or decreases to cash. A period of extensive Debt Refinancing and Consolidation leaves us with a minor adjustment to June's Debt Service. The total increase in Expenditures is expected to be \$3,186, or 0.00976%.				

NOW THEREFORE be it resolved by the City Council of the City of Storm Lake, Iowa, to approve the above said budget amendment for the 2021-2022 Fiscal Year.

PASSED AND APPROVED this 5th day of May 2022.

Michael Porsch, Mayor

ATTEST:

Mayra Martinez, City Clerk

Staff Summary

5/2/2022

Agenda Item # 11.



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: **Resolution No. 74-R-2021-2022 Authorizing Inter-fund Transfers and Adjustments**

BACKGROUND: Each fiscal year a number of inter-fund transfers must be completed in order to properly account for expenditures and accurately state Fund balances. This Resolution would authorize these transfers along with Audit adjustments and flow of funds through our Debt Service accounts.

These transfers are necessary to comply with Iowa Code 384.18 as the expenditures must be reflected within their originally budgeted Program.

FISCAL IMPACT: There is no actual fiscal impact as these simply reflect movement and accurate statement of Funds as opposed to additional expenditures.

RECOMMENDATION: Pass Resolution No. 74-R-2021-2022 and Authorize the attached Interfund Transfers and Adjustments.

ATTACHMENTS:

Description	Type
□ Resolution No. 74-R-2021-2022	Resolution

RESOLUTION NO. 74-R-2021-2022
A RESOLUTION AUTHORIZING INTERFUND TRANSFERS AND ADJUSTMENTS

Be it Resolved by the Council of the City of Storm Lake:

Section 1. Whereas, there is a need to transfer resources between funds provided as follows:

Fund Key:

001	General Fund	172	Library Misc Memorial Trust	603	Water Plant Debt Service
003	Outdoor Water Park Fund	177	Asset Forfeiture/Law Enforcement Fund	604	Utility Deposits
004	Cottages	178	Police Dept. Evidence Fund	610	Sewer Fund
005	Tort Insurance Fund	200	Debt Service Fund	611	Sewer Capital Improvements
006	Marina	201	Storm Water Debt Service Fund	612	Sewer Debt Reserve
010	Franchise Fees	220	Outdoor Pool/Storm Water GO	613	FEMA HMGP - Sanitary Sewer
030	Outdoor WP Replacement Res	222	Hotel Motel Tax Debt Reserve	620	Storm Water Fund
040	Cottage Reserve Fund	223	\$2.5 Bond Sinking Fund	621	Storm Water Capital
110	Road Use Tax Fund	224	TIF Debt Reserve Fund	622	Storm Water Sinking Fund
112	Special Levy Fund	225	Awaysis Local Option Sinking	670	Landfill Fund
119	Emergency Levy	227	5.6M Series Sinking Fund	750	Lodge Operations Fund
121	Local Option Sales Tax Fund	228	2.94M Series Sinking Fund	753	Lodge Reserve Fund
123	Hotel Motel Tax	230	Hotel/Motel Tax Bonds Fund	754	Lodge Taxes & Insurance
124	Mitigation Fund	231	McKenna Water Sinking Fund	755	Hotel Revenue Bonds Fund
125	TIF Fund	232	McKenna Sewer Sinking Fund	756	Hotel Property Tax Fund
126	Bargloff TIF	233	Bargloff Reserve Fund	757	Lodge Replacement Reserve Fund
127	The Reserves - TIF	234	Bargloff Sinking Fund	822	Health Benefit Trust Fund
128	#4 LMI Housing URA	235	TIF Bonds Fund	824	125 Flexible Benefits Fund
129	Storm Lake Sub-Division #5	299	Bond Refinancing	825	Wellness Fund
130	South School Urban Renewal	301	Capital Improvement Projects	835	Employee Internal Fund
131	LMI #5 Housing URA	500	Erma Myers Trust Fund	910	Chapter 411 Pension Fund
132	LMI Revolving Fund	600	Water Fund	960	Lake Improvement Commission
167	Restricted Gifts	601	Water Capital Improvements	970	Drainage Districts
168	Senior Center Trust Fund	602	Water Bond Reserve		

Section 2. Whereas, there is a need to transfer resources between funds to provide for operations, fund balancing, and debt service in amounts not to exceed according to the certified budget for fiscal year 2021-2022 as follows:

Fund From:	Fund To:	Description (What):	Amount:
Fund 001	Fund 110	IDNR Boat Ramp Rehab Reimb	\$ 20,515.00
Fund 001	Fund 757	FEMA COVID Funding	\$ 20,648.41
Fund 004	Fund 001	Campground Storage Building Renovation	\$ 40,000.00
Fund 004	Fund 001	Dock Replacement	\$ 25,000.00
Fund 006	Fund 001	Reserve Housekeeping	\$ 26,292.93
Fund 010	Fund 001	Downtown Master Plan	\$ 113,000.00
Fund 010	Fund 001	Comprehensive Plan/ Zoning Update	\$ 125,880.00
Fund 010	Fund 001	Printers/Scanners & Other IT Peripheral	\$ 7,000.00
Fund 010	Fund 001	IT Solutions	\$ 105,081.00
Fund 010	Fund 001	Trail Set-A-Side	\$ 25,000.00
Fund 010	Fund 001	Sesquicentennial	\$ 2,500.00
Fund 010	Fund 223	\$1.85M Hotel Revenue Bond	\$ 17,677.75
Fund 010	Fund 301	Fiber Line Installation	\$ 200,000.00
Fund 010	Fund 301	Oneida to Milwaukee Reconstruction	\$ 350,500.00
Fund 010	Fund 301	Richland Street Phase 2	\$ 99,100.00
Fund 010	Fund 757	KP Recreation Equipment Agreement	\$ 80,000.00
Fund 110	Fund 301	Richland Street Phase 2	\$ 99,100.00
Fund 110	Fund 301	Infrastructure Management Plan	\$ 6,000.00
Fund 110	Fund 601	4th Street Watermain Installation	\$ 191,467.12
Fund 112	Fund 822	Insurance Allocations	\$ 750,000.00
Fund 112	Fund 825	Wellness	\$ 12,000.00
Fund 112	Fund 001	FICA Correction	\$ 637.08
Fund 112	Fund 910	411 Pension	\$ 360,000.00
Fund 119	Fund 001	Emergency Levy Supplement	\$ 100,000.00
Fund 121	Fund 001	Detective Toughbook	\$ 6,400.00
Fund 121	Fund 001	Airport Technology Upgrades	\$ 16,500.00
Fund 121	Fund 001	City Hall Updates	\$ 20,000.00
Fund 121	Fund 001	Computer Rotation	\$ 14,700.00
Fund 121	Fund 001	Fire Dept Blinds	\$ 3,000.00

Fund 121	Fund 001	Fire Dept Ladders	\$	2,400.00
Fund 121	Fund 001	Aerial 71 Pump Shaft	\$	12,000.00
Fund 121	Fund 001	Fire Dept SCBA Replacements	\$	16,000.00
Fund 121	Fund 001	Golf Clubhouse Renovation	\$	40,000.00
Fund 121	Fund 001	Golf Fairway Mower	\$	53,000.00
Fund 121	Fund 001	Golf Toro Mower	\$	53,000.00
Fund 121	Fund 001	Golf Weed Sprayer	\$	13,000.00
Fund 121	Fund 001	Library Lighting Replacement	\$	60,000.00
Fund 121	Fund 001	Parks Mower	\$	75,000.00
Fund 121	Fund 001	Kiwanis Park Equipment	\$	15,000.00
Fund 121	Fund 001	PD Body Armor	\$	2,500.00
Fund 121	Fund 001	PD K-9 Patrol Vehicle	\$	57,000.00
Fund 121	Fund 001	PD Patrol Vehicle	\$	57,000.00
Fund 121	Fund 110	Street Boom Truck	\$	112,500.00
Fund 121	Fund 110	Street Shop Parking Lot Renovation	\$	50,000.00
Fund 121	Fund 225	\$8.171M GO Bond	\$	838,782.00
Fund 121	Fund 757	King's Pointe Remodel/Refresh	\$	186,250.00
Fund 123	Fund 001	Storm Lake United Add'l Funding	\$	6,600.00
Fund 123	Fund 001	Recreation Set-A-Side	\$	35,000.00
Fund 123	Fund 030	OWP Slide Painting	\$	50,000.00
Fund 123	Fund 030	OWP Circulation Pump	\$	5,000.00
Fund 123	Fund 228	\$925k Tax GO Bond	\$	116,317.00
Fund 124	Fund 227	\$5.74M GO Bond	\$	313,094.92
Fund 125	Fund 756	Property Tax Transfer	\$	217,858.00
Fund 125	Fund 227	\$5.74M GO Bond	\$	230,250.40
Fund 126	Fund 234	\$2.685M GO (\$3.39M) Bond	\$	217,500.00
Fund 232	Fund 610	McKenna Sewer Bond Payoff	\$	17,575.00
Fund 600	Fund 301	Fiber Line Installation	\$	300,000.00
Fund 600	Fund 301	Infrastructure Management Plan	\$	6,000.00
Fund 600	Fund 601	4th Street Watermain Installation	\$	445,500.00
Fund 600	Fund 301	SL Elevated Water Storage - Tower #5	\$	350,000.00
Fund 600	Fund 603	\$2.163M Water Revenue Bond	\$	69,947.00
Fund 600	Fund 603	\$7.5M Water Revenue SRF	\$	489,520.00
Fund 602	Fund 600	Water Reserve	\$	500,632.88
Fund 610	Fund 227	\$5.74M GO Bond	\$	32,409.00
Fund 610	Fund 301	Fiber Line Installation	\$	300,000.00
Fund 610	Fund 612	\$4.538M Sewer Revenue Bond	\$	434,910.90
Fund 610	Fund 612	\$660k Sewer Revenue Bond	\$	44,865.00
Fund 610	Fund 612	\$1.608 Memorial LS SRF Bond	\$	99,678.96
Fund 612	Fund 611	Memorial LS Upgrades- SRF Funds	\$	1,182,687.90
Fund 612	Fund 611	Memorial LS Upgrades- SRF Funds	\$	425,312.10
Fund 620	Fund 227	\$5.74M GO Bond	\$	124,999.59
Fund 620	Fund 601	4th Street Watermain Installation	\$	11,900.00
Fund 620	Fund 621	NRDG Project Closeout	\$	133,272.80
Fund 620	Fund 622	Reverse \$729K NCSW SRF	\$	34,740.00
Fund 753	Fund 757	Reserve Set-A-Side	\$	1,568.38
Fund 755	Fund 223	\$1.85M Hotel Revenue Bond	\$	161,126.00

\$ 10,839,697.12

NOW THEREFORE be it resolved by the City Council of the City of Storm Lake, Iowa, to approve the above said transfers of funds for the 2021-2022 Fiscal Year.

PASSED AND APPROVED this _____ day of _____, _____

Michael Porsch, Mayor

ATTEST:

Mayra Martinez, City Clerk

Staff Summary

5/2/2022

Agenda Item # 12.



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: **Public Hearing on Ordinances Changing Water and Sewer Rates.**

BACKGROUND: Typically the City proposes rates for the Water and Sewer Utilities in 3 to 5 year increments. An independent Rate Study accompanies the suggested rate changes which factors in all aspects of the operations, but focuses on Capital Projects and possible debt.

While we did engage in a Rate Study, our BRIC application makes a five year plan impossible when there are variables in projects and debt in the neighborhood of tens of millions of dollars.

Our proposal is, instead, a simple one year increase to both water and sewer rates of 5%, based not so much on debt and projects but as a response to soaring operation costs. Over the past several years a 3% annual increase was in place but given the economic environment, a 5% increase is more appropriate. Please also note that Iowa Code requires Municipal Enterprises to be self sufficient, which limits our ability to use other funds, revenue streams or outside sources to fund operations.

FISCAL IMPACT: For the City, an additional \$212,850 in water revenue and an additional \$167,100 in sewer revenue are estimated for this year.

For Customers, the base Water rate for the first 1,500 gallons would go up \$0.73, with an \$0.22 increase per 1,000 additional gallons. For a 100 gallon a day residential account, that would equal \$1.06 a month. The Sewer base rate would increase \$1.14 a month for all users, with a \$0.22 increase per 1,000 gallons used. Using the same 100 gallon a day account as an example

would result in an increase of \$1.80. There is also a 5% increase for the per pound BOD, TSS and H6N2 charges.

Around 24% of the revenue increase would come from Residential accounts, 76% from commercial and industrial. One of the reasons the Residential percentage may seem small is that we have many Minimum Bill Residential accounts, meaning under 50 gallons of water a day. For all of those account's, the total Utility Bill increase would be around \$2.00.

RECOMMENDATION: Open the Public Hearing
 Conduct Public Hearing
 Close Public Hearing

ATTACHMENTS:

Description		Type
☐	Public Hearing	Backup Material
☐	Ordinance __-O-2021-2022 Setting Water Rates	Ordinance
☐	Ordinance __-O-2021-2022 Setting Sewer Rates	Ordinance

NOTICE OF PUBLIC HEARING

Notice is hereby given that the City Council of the City of Storm Lake, Iowa will hold a public hearing on Water and Sewer Rate Increase Recommendations.

This public hearing will be held by the City Council at City Hall on May 2, 2022, at 5:00pm. At said time and place, any person(s) interested is invited to appear to present their objections to or arguments for the rate increase recommendations.

Mayra A. Martinez, City Clerk
City of Storm Lake, Iowa

ORDINANCE NO. _____

ORDINANCE AMENDING CHAPTER 3-5 OF TITLE III OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED A WATER RATES, @ TO PROVIDE FOR NEW RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL WATER RATES AND NEW MINIMUM RATES

WHEREAS, the City's water rates, set out in Section 3-5-1 in Chapter 3-5 of the City Code, for annual periods from 2016 through the present, need to be adjusted to reflect current costs and expenses; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA:

SECTION 1: AMENDMENTS TO SECTION 3-5-1: Chapter 3-5 of Title III of the City Code of the City of Storm Lake, Iowa, is hereby amended by striking Sections 3-5-1 of such Chapter and substituting in lieu thereof the following new Sections 3-5-1:

Section 3-5-1 Water Rates

a. Effective for billings made on or after July 1, 2021 and before July 1, 2022 water shall be furnished to consumers at the following monthly rates, per meter:

(A) Residential Rate:

A base rate of \$14.53 for the first 1,500 gallons
\$4.35 per 1,000 gallons for all water used in excess of 1,500 gallons

(B) Commercial and Industrial rates:

A base rate of \$14.53 for the first 1,500 gallons
\$4.35 per 1,000 gallons for the next 8,500 gallons.
\$3.14 per 1,000 gallons for the next 150,000 gallons.
\$3.00 per 1,000 gallons for the next 840,000 gallons.
\$3.55 per 1,000 gallons for all water used in excess of 1,000,000 gallons.

Effective for billings made on or after July 1, 2022, water shall be furnished to consumers at the following monthly rates, per meter:

(A) Residential Rate:

A base rate of \$15.26 for the first 1,500 gallons
\$4.57 per 1,000 gallons for all water used in excess of 1,500 gallons

(B) Commercial and Industrial rates:

- A base rate of \$15.26 for the first 1,500 gallons
- \$4.57 per 1,000 gallons for the next 8,500 gallons.
- \$3.30 per 1,000 gallons for the next 150,000 gallons.
- \$3.15 per 1,000 gallons for the next 840,000 gallons.
- \$3.73 per 1,000 gallons for all water used in excess of 1,000,000 gallons.

b. The City Council may, by written contract, provide for commercial and industrial rates that are at variance with those set forth above if those same contracts provide long term guarantees that minimum payments will be made to the city to cover future bonded indebtedness during the term of the contract.

c. If a single meter serves a property or area containing one or more multiple dwellings, or an area or property with several residential dwellings, the residential rate shall apply.

d. If a single meter serves an area or property that is used for both residential purposes and for commercial and industrial purposes, the rate for the use that constitutes the majority of the consumption of water shall be used; or, the City Council may order that separate meters be installed to measure the water consumed by each such use.

e. Effective July 1, 2021, the minimum rate for each user of 1,500 gallons or less shall be \$14.53 per month, per user; and effective July 1, 2022, the minimum rate for each user of 1,500 gallons or less shall be \$15.26 per month, per user. If a single meter shall serve more than one dwelling unit, commercial user, or industrial user, the minimum rate shall be increased by a factor equal to the total number of such units or users being served. As used herein, a dwelling includes separate apartments, condominiums, mobile homes or distinct portions of a duplex or multi-family dwelling, but it does not include dormitory rooms, hotel rooms, motel rooms or boarding rooms without separate kitchen and bath facilities.

f. A Residential Consumer shall be charged the Residential Rates specified above. A Commercial Consumer and an Industrial Consumer shall each be charged the Commercial and Industrial Rates specified above. For purposed of this Section 3-5-1, the following definitions apply:

1. "RESIDENTIAL CONSUMER": A consumer purchasing water for single or multi-family dwelling units whether or not such units are used exclusively for family living purposes.

2. "COMMERCIAL CONSUMER": A consumer purchasing water who does not qualify as a residential consumer and whose average monthly consumption, computed on an annual basis, is less than one hundred sixty thousand (160,000) gallons per month.

3. "INDUSTRIAL CONSUMERS": A consumer purchasing water who does not qualify as a residential consumer and whose average monthly consumption, computed on an annual basis, is more than one hundred sixty thousand (160,000) gallons per month.

SECTION 2. REPEALER: All ordinances or parts of ordinances of the City of Storm Lake, Iowa in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SAVINGS CLAUSE: If any section, provision, sentence, clause, phrase, or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any provision, section, subsection, sentence, clause, phrase, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. EFFECTIVE DATE: 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 _____, 2022.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

ORDINANCE NO. _____

ORDINANCE AMENDING CHAPTER 3-3 OF TITLE III OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED ~~A~~SEWER RATES,[@] TO PROVIDE FOR NEW RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER RATES AND NEW MINIMUM RATES

WHEREAS, the City's sewer rates, set out in Section 3-3-4 in Chapter 3-3 of the City Code, for annual periods from 2016 through the present, need to be adjusted to reflect current costs and expenses.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA:

SECTION 1: AMENDMENTS TO SECTION 3-3-4: Chapter 3-3 of Title III of the City Code of the City of Storm Lake, Iowa, is hereby amended by striking Sections 3-3-4 of such Chapter and substituting in lieu thereof the following new Sections 3-3-4:

Section 3-3-4 Rate Schedule

(A) Each user shall pay for the services provided by the City based on the user's use of the treatment works as determined by water meter(s) acceptable to the City.

(B) Each contributor shall pay a base user charge of twenty-two dollars and seventy-three cents (\$22.73) per month per water meter utilized by such contributor and which charge shall be in addition to the charges set forth in subsections (D) and (E) which follow.

In addition, the base user charge shall automatically increase effective July 1, 2022 to twenty-three dollars and eighty-seven cents (\$23.87) per month per water meter utilized by such contributor.

If a single meter shall serve more than one dwelling unit, commercial user, or industrial user, the base user charge shall be increased by a factor equal to the total number of such units or users being served. As used herein, a dwelling unit includes separate apartments, condominiums, mobile homes, or distinct portions of a duplex or multi-family dwelling, but it does not include dormitory rooms, hotel or motel rooms, or boarding rooms without separate kitchen and bath facilities.

(C) Amount of hydraulic loading subject to user charge:

1. In addition to the base rate, all residential contributors shall pay monthly user charges which shall be based on all water used by that contributor for that month at the rate set forth in subparagraph (D). If a residential contributor uses water for lawn watering which is not returned to the collection system, the user charge for that contributor may be based on a wastewater meter(s)

or separate water meter(s) installed and maintained at the contributor's expense, and in a manner acceptable to the City.

2. In addition to the base rate, all industrial and commercial contributors, which shall include all contributors who do not qualify as residential contributors, shall pay monthly user charges which shall be based on all water used by that contributor for that month at the rate set forth in subparagraph (D). If a commercial or industrial contributor has a consumptive use of water, or in some other manner uses water which is not returned to the wastewater collection system, the user charge for that contributor may be based on a wastewater meter(s) or separate water meter(s) installed and maintained at the contributor's expense, and in a manner acceptable to the City.

(D) Each contributor shall pay a user service charge for operation and maintenance including replacement and debt service of four dollars and thirty-seven cents (\$4.37) per one thousand (1,000) gallons of water (or wastewater) used as determined in Subsection (A) of this Section 3-3-4. In addition, the user service charge for operation and maintenance including replacement and debt service shall increase effective July 1, 2022 to four dollars and fifty-nine cents (\$4.59) per one thousand (1,000) gallons of water (or wastewater) used as determined in Subsection (A) of this Section 3-3-4.

(E) For those contributors who contribute wastewater the strength of which is greater than normal domestic sewage, a surcharge in addition to the normal user charge shall be paid. The surcharge for operation and maintenance including replacement is:

\$.51 per pound BOD in excess of the BOD concentration in normal domestic wastewater;

Effective July 1, 2022, \$.54 per pound BOD in excess of the BOD concentration in normal domestic wastewater;

\$.41 per pound TSS in excess of the TSS concentration in normal domestic wastewater;

Effective July 1, 2022, \$.43 per pound TSS in excess of the TSS concentration in normal domestic wastewater;

\$1.94 per pound ammonia nitrogen in excess of the ammonia nitrogen concentration in normal domestic wastewater.

Effective July 1, 2022, \$2.04 per pound ammonia nitrogen in excess of the ammonia nitrogen concentration in normal domestic wastewater.

(F) Any user which discharges any toxic pollutants which cause an increase in the cost of managing the effluent or the sludge from the City's treatment works, or any user which discharges any substance which singly or by interaction with other substances causes identifiable increases in the cost of operation, maintenance, or replacement of the treatment works, shall pay for such increased costs. The charge to each such user shall be as determined by the responsible plant operating personnel and approved by the City Council.

(G) The user charge rates established in this Section apply to all users of the domestic wastewater treatment facility located within the City limits. User charge rates for contributors outside of the

City limits whose rates are not established by contract shall be as determined by resolution of the Council, but they shall not be less than the user charge rates established for users located within the City limits. User charge rates for contributors located outside the City limits which are presently established by contract shall be honored for the duration of the contract but no renewal or modification of that contract shall be made which does not provide that the contributor shall pay user charge rates at least equal to those charged to users located within the City limits.

SECTION 2. REPEALER: All ordinances or parts of ordinances of the City of Storm Lake, Iowa in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SAVINGS CLAUSE: If any section, provision, sentence, clause, phrase, or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any provision, section, subsection, sentence, clause, phrase, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. EFFECTIVE DATE: 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 _____, 2022.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

5/2/2022

Agenda Item # 13.



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

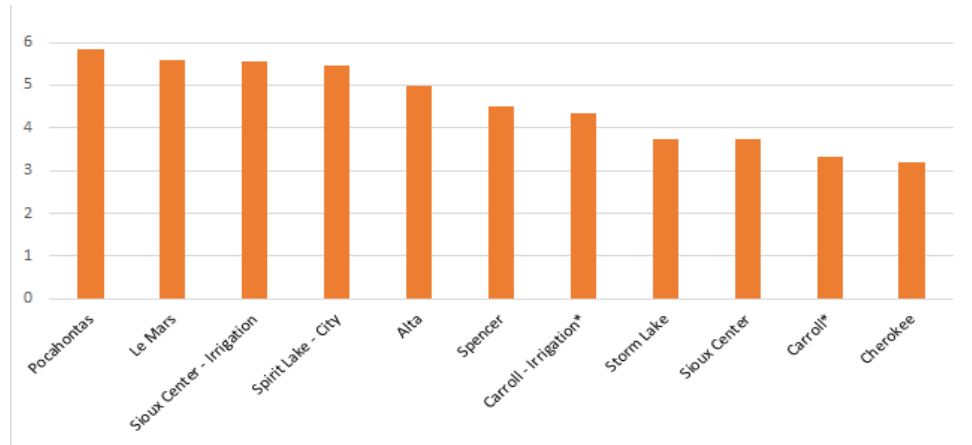
FROM: Brian Oakleaf, Finance Director

SUBJECT: **Ordinance No. 11-O-2021-2022 Providing for a New Water Rate Schedule**

BACKGROUND: City staff was presented with 6 different scenarios by Veenstra & Kimm, with a final recommendation of a 3% annual increase in water rates. The following shows historic and proposed rates per 1,000 gallons of residential water:

FY 2015	\$3.40	5%
FY 2016	\$3.57	5%
FY 2017	\$3.75	5%
FY 2018	\$3.86	3%
FY 2019	\$3.98	3%
FY 2020	\$4.10	3%
FY 2021	\$4.22	3%
FY 2022	\$4.35	3%

Many factors, including raw source, infrastructure, age, storage, etc. determine rates from city to city, and comparisons become difficult with varying and complex rate structures. However, the following chart may illustrate a comparison to other cities:



The recommendation complies with Iowa Code 384.84 requirements in regards to revenue bond or pledge order issued utility systems, specifically the requirement of adjustment of revenue to cover all operations and maintenance, all debt service and a provide for a reasonable and sufficient reserve.

FISCAL IMPACT:

Total revenue estimated to increase by \$622,815 by FY 2022
 Total expenses estimated to increase by \$803,913 by FY 2022
 Fund Balance Projection:

	Fund Balance	Gain/Loss
2017	\$ 1,335,161.00	<i>Estimated</i>
2018	\$ 1,312,883.00	\$ (22,278.00)
2019	\$ 1,303,976.00	\$ (8,907.00)
2020	\$ 1,438,470.00	\$ 134,494.00
2021	\$ 1,380,276.00	\$ (58,194.00)
2022	\$ 1,577,566.00	\$ 197,290.00

RECOMMENDATION: Council pass on First Reading: Ordinance No. 11-O-2021-2022 Setting Water Rates For The City Of Storm Lake.

Second Reading: May 16th, 2022

Third Reading: June 6th, 2022

ATTACHMENTS:

Description	Type
Ordinance No. 11-O-2021-2022	Ordinance

ORDINANCE NO. 11-O-2021-2022

ORDINANCE AMENDING CHAPTER 3-5 OF TITLE III OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED AWATER RATES,@ TO PROVIDE FOR NEW RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL WATER RATES AND NEW MINIMUM RATES

WHEREAS, the City's water rates, set out in Section 3-5-1 in Chapter 3-5 of the City Code, for annual periods from 2016 through the present, need to be adjusted to reflect current costs and expenses; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA:

SECTION 1: AMENDMENTS TO SECTION 3-5-1: Chapter 3-5 of Title III of the City Code of the City of Storm Lake, Iowa, is hereby amended by striking Sections 3-5-1 of such Chapter and substituting in lieu thereof the following new Sections 3-5-1:

Section 3-5-1 Water Rates

a. Effective for billings made on or after July 1, 2021 and before July 1, 2022 water shall be furnished to consumers at the following monthly rates, per meter:

(A) Residential Rate:

A base rate of \$14.53 for the first 1,500 gallons

\$4.35 per 1,000 gallons for all water used in excess of 1,500 gallons

(B) Commercial and Industrial rates:

A base rate of \$14.53 for the first 1,500 gallons

\$4.35 per 1,000 gallons for the next 8,500 gallons.

\$3.14 per 1,000 gallons for the next 150,000 gallons.

\$3.00 per 1,000 gallons for the next 840,000 gallons.

\$3.55 per 1,000 gallons for all water used in excess of 1,000,000 gallons.

Effective for billings made on or after July 1, 2022, water shall be furnished to consumers at the following monthly rates, per meter:

(A) Residential Rate:

A base rate of \$15.26 for the first 1,500 gallons

\$4.57 per 1,000 gallons for all water used in excess of 1,500 gallons

(B) Commercial and Industrial rates:

A base rate of \$15.26 for the first 1,500 gallons

\$4.57 per 1,000 gallons for the next 8,500 gallons.

\$3.30 per 1,000 gallons for the next 150,000 gallons.
\$3.15 per 1,000 gallons for the next 840,000 gallons.
\$3.73 per 1,000 gallons for all water used in excess of 1,000,000 gallons.

b. The City Council may, by written contract, provide for commercial and industrial rates that are at variance with those set forth above if those same contracts provide long term guarantees that minimum payments will be made to the city to cover future bonded indebtedness during the term of the contract.

c. If a single meter serves a property or area containing one or more multiple dwellings, or an area or property with several residential dwellings, the residential rate shall apply.

d. If a single meter serves an area or property that is used for both residential purposes and for commercial and industrial purposes, the rate for the use that constitutes the majority of the consumption of water shall be used; or, the City Council may order that separate meters be installed to measure the water consumed by each such use.

e. Effective July 1, 2021, the minimum rate for each user of 1,500 gallons or less shall be \$14.53 per month, per user; and effective July 1, 2022, the minimum rate for each user of 1,500 gallons or less shall be \$15.26 per month, per user. If a single meter shall serve more than one dwelling unit, commercial user, or industrial user, the minimum rate shall be increased by a factor equal to the total number of such units or users being served. As used herein, a dwelling includes separate apartments, condominiums, mobile homes or distinct portions of a duplex or multi-family dwelling, but it does not include dormitory rooms, hotel rooms, motel rooms or boarding rooms without separate kitchen and bath facilities.

f. A Residential Consumer shall be charged the Residential Rates specified above. A Commercial Consumer and an Industrial Consumer shall each be charged the Commercial and Industrial Rates specified above. For purposed of this Section 3-5-1, the following definitions apply:

1. "RESIDENTIAL CONSUMER": A consumer purchasing water for single or multi-family dwelling units whether or not such units are used exclusively for family living purposes.

2. "COMMERCIAL CONSUMER": A consumer purchasing water who does not qualify as a residential consumer and whose average monthly consumption, computed on an annual basis, is less than one hundred sixty thousand (160,000) gallons per month.

3. "INDUSTRIAL CONSUMERS": A consumer purchasing water who does not qualify as a residential consumer and whose average monthly consumption, computed on an annual basis, is more than one hundred sixty thousand (160,000) gallons per month.

SECTION 2. REPEALER: All ordinances or parts of ordinances of the City of Storm

Lake, Iowa in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SAVINGS CLAUSE: If any section, provision, sentence, clause, phrase, or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any provision, section, subsection, sentence, clause, phrase, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. EFFECTIVE DATE: 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 _____, 2022.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

5/2/2022

Agenda Item # 14.



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: **Ordinance No. 12-O-2021-2022 Providing for a New Sewer Rate Schedule**

BACKGROUND: Typically the City proposes rates for the Sewer Utility in 3 to 5 year increments. An independent Rate Study accompanies the suggested rate changes which factors in all aspects of the operations, but focuses on Capital Projects and possible debt.

While we did engage in a Rate Study, our BRIC application makes a five year plan impossible when there are variables in projects and debt in the neighborhood of tens of millions of dollars.

Our proposal is, instead, a simple one year increase to sewer rates of 5%, based not so much on debt and projects but as a response to soaring operation costs. Over the past several years a 3% annual increase was in place but given the economic environment, a 5% increase is more appropriate. Please also note that Iowa Code requires Municipal Enterprises to be self sufficient, which limits our ability to use other funds, revenue streams or outside sources to fund operations.

FISCAL IMPACT: For the City, an additional \$167,100 in sewer revenue this year.

For Customers, the Sewer base rate would increase \$1.14 a month for all users, with a \$0.22 increase per 1,000 gallons used. Using the same 100 gallon a day account as an example would result in an increase of \$1.80. There is also a 5% increase for the per pound BOD, TSS and H6N2 charges.

Around 24% of the revenue increase would come from Residential accounts, 76% from commercial and industrial. One

of the reasons the Residential percentage may seem small is that we have many Minimum Bill Residential accounts, meaning under 50 gallons of water a day.

RECOMMENDATION: Council pass on First Reading: Ordinance No. 12-O-2021-2022
Setting Sewer Rates For The City Of Storm Lake.

Second Reading: May 16th, 2022
Third Reading: June 6th, 2022

ATTACHMENTS:

Description		Type
	Ordinance No. 12-O-2021-2022	Ordinance

ORDINANCE NO. 12-O-2021-2022

ORDINANCE AMENDING CHAPTER 3-3 OF TITLE III OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED ASEWER RATES,@ TO PROVIDE FOR NEW RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL SEWER RATES AND NEW MINIMUM RATES

WHEREAS, the City's sewer rates, set out in Section 3-3-4 in Chapter 3-3 of the City Code, for annual periods from 2016 through the present, need to be adjusted to reflect current costs and expenses.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF STORM LAKE, IOWA:

SECTION 1: AMENDMENTS TO SECTION 3-3-4: Chapter 3-3 of Title III of the City Code of the City of Storm Lake, Iowa, is hereby amended by striking Sections 3-3-4 of such Chapter and substituting in lieu thereof the following new Sections 3-3-4:

Section 3-3-4 Rate Schedule

(A) Each user shall pay for the services provided by the City based on the user's use of the treatment works as determined by water meter(s) acceptable to the City.

(B) Each contributor shall pay a base user charge of twenty-two dollars and seventy-three cents (\$22.73) per month per water meter utilized by such contributor and which charge shall be in addition to the charges set forth in subsections (D) and (E) which follow.

In addition, the base user charge shall automatically increase effective July 1, 2022 to twenty-three dollars and eighty-seven cents (\$23.87) per month per water meter utilized by such contributor.

If a single meter shall serve more than one dwelling unit, commercial user, or industrial user, the base user charge shall be increased by a factor equal to the total number of such units or users being served. As used herein, a dwelling unit includes separate apartments, condominiums, mobile homes, or distinct portions of a duplex or multi-family dwelling, but it does not include dormitory rooms, hotel or motel rooms, or boarding rooms without separate kitchen and bath facilities.

(C) Amount of hydraulic loading subject to user charge:

1. In addition to the base rate, all residential contributors shall pay monthly user charges which shall be based on all water used by that contributor for that month at the rate set forth in subparagraph (D). If a residential contributor uses water for lawn watering which is not returned to the collection system, the user charge for that contributor may be based on a wastewater meter(s)

or separate water meter(s) installed and maintained at the contributor's expense, and in a manner acceptable to the City.

2. In addition to the base rate, all industrial and commercial contributors, which shall include all contributors who do not qualify as residential contributors, shall pay monthly user charges which shall be based on all water used by that contributor for that month at the rate set forth in subparagraph (D). If a commercial or industrial contributor has a consumptive use of water, or in some other manner uses water which is not returned to the wastewater collection system, the user charge for that contributor may be based on a wastewater meter(s) or separate water meter(s) installed and maintained at the contributor's expense, and in a manner acceptable to the City.

(D) Each contributor shall pay a user service charge for operation and maintenance including replacement and debt service of four dollars and thirty-seven cents (\$4.37) per one thousand (1,000) gallons of water (or wastewater) used as determined in Subsection (A) of this Section 3-3-4. In addition, the user service charge for operation and maintenance including replacement and debt service shall increase effective July 1, 2022 to four dollars and fifty-nine cents (\$4.59) per one thousand (1,000) gallons of water (or wastewater) used as determined in Subsection (A) of this Section 3-3-4.

(E) For those contributors who contribute wastewater the strength of which is greater than normal domestic sewage, a surcharge in addition to the normal user charge shall be paid. The surcharge for operation and maintenance including replacement is:

\$.51 per pound BOD in excess of the BOD concentration in normal domestic wastewater;

Effective July 1, 2022, \$.54 per pound BOD in excess of the BOD concentration in normal domestic wastewater;

\$.41 per pound TSS in excess of the TSS concentration in normal domestic wastewater;

Effective July 1, 2022, \$.43 per pound TSS in excess of the TSS concentration in normal domestic wastewater;

\$1.94 per pound ammonia nitrogen in excess of the ammonia nitrogen concentration in normal domestic wastewater.

Effective July 1, 2022, \$2.04 per pound ammonia nitrogen in excess of the ammonia nitrogen concentration in normal domestic wastewater.

(F) Any user which discharges any toxic pollutants which cause an increase in the cost of managing the effluent or the sludge from the City's treatment works, or any user which discharges any substance which singly or by interaction with other substances causes identifiable increases in the cost of operation, maintenance, or replacement of the treatment works, shall pay for such increased costs. The charge to each such user shall be as determined by the responsible plant operating personnel and approved by the City Council.

(G) The user charge rates established in this Section apply to all users of the domestic wastewater treatment facility located within the City limits. User charge rates for contributors outside of the

City limits whose rates are not established by contract shall be as determined by resolution of the Council, but they shall not be less than the user charge rates established for users located within the City limits. User charge rates for contributors located outside the City limits which are presently established by contract shall be honored for the duration of the contract but no renewal or modification of that contract shall be made which does not provide that the contributor shall pay user charge rates at least equal to those charged to users located within the City limits.

SECTION 2. REPEALER: All ordinances or parts of ordinances of the City of Storm Lake, Iowa in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SAVINGS CLAUSE: If any section, provision, sentence, clause, phrase, or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any provision, section, subsection, sentence, clause, phrase, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. EFFECTIVE DATE: 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 _____, 2022.

Michael Porsch, Mayor

ATTEST:

Mayra A. Martinez, City Clerk

Staff Summary

5/2/2022

Agenda Item # 15.



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 Richland Street, Phase 2 Improvements Plans, Specifications, and Form of Contract**

BACKGROUND: This project provides for the reconstruction of Richland Street from Industry Street to Radio Road (120th Avenue) in the City. The project includes the removal and replacement of a failing collector street in a 60 foot right of way with a new pavement section to carry the current and projected traffic loading. The pavement is beyond its useful life and would require substantial panel replacement to bring back to a useful level. The road is a main East West corridor connecting Highway 7 to Highway 71. Business located along the roadway include Tyson Foods and Tyson Poultry. The project will include a 31 foot wide, 8" thick PCC pavement on East Richland Street, from Industry Street .5 miles to Radio Road Pavement Rehab. In addition, several full panel patches will be included where individual panels have failed east of Expansion Boulevard.

The Engineer's Opinion of Probable Cost is \$1,583,053.30. The city is applying for 50% STP funding for covered project costs of \$327,057 which is \$163,528.50. All improvements are roadway related. This project is in the City's Capital Improvement Program. The \$168,528.50 funding request was approved in 2018.

The balance of the construction cost will be local match and provided through Road Use, Franchise Fee, and Local Option Sales Tax Funds.

To move forward with the bidding process, a public hearing is planned for May 16, 2022 at 5:00 p.m. in City Council Chambers.

FISCAL IMPACT: The Engineer's Opinion of Probable Construction Cost is \$1,583,053.80.

RECOMMENDATION: Approve setting a Public Hearing for 5:00 p.m. on May 16, 2022 in City Council Chambers

ATTACHMENTS:

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

NOTICE OF PUBLIC HEARING

Richland Street, Phase 2 Improvements 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 May 16, 2022, at 620 Erie Street, in Storm Lake, Iowa.

Project Description: Street, sanitary sewer, watermain, and storm sewer reconstruction of Richland Street from Industry Street to Expansion Boulevard and street patching with utility improvements from Expansion Boulevard to Radio Road, and related improvements as indicated within the construction documents.

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

Mayra Martinez
City Clerk



CONTRACTS AND SPECIFICATIONS BUREAU Proposal

Proposal ID: 11-7422-620 **Letting Date:** April 19, 2022
Call Order No.: 102
Proposal Work Type: PCC PAVEMENT - REPLACE
DBE Goal: 0.0%
Contracting Authority: CITY OF STORM LAKE
Proposal Guaranty: \$100,000.00

This proposal includes the following project(s):

Project Number: STBG-SWAP-7422(620)--SG-11	County: BUENA VISTA
Project Work Type: PCC PAVEMENT - REPLACE	Route: RICHLAND ST.
Location: In the city of Storm Lake, On E Richland St., from Industry St east 600 Feet to Radio Road	
Road System: URBAN	
Federal Aid - Wages: Non-Federal Aid - Predetermined Wages are not in Effect	

Contract Time**Proposal ID:** 11-7422-620**Call Order No.:** 102**Letting Date:** April 19, 2022

Site ID	Site Details			Liquidated Damages
00	Late Start Date	06/06/2022	80 WORK DAYS	\$1,000.00

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

Proposal Notes

Proposal ID: 11-7422-620**Call Order No.:** 102**Letting Date:** April 19, 2022

Proposal Notes :

There are no notes for this proposal.

Proposal Specifications List

Page 1 of 1

Proposal ID: 11-7422-620

Call Order No.: 102

Letting Date: April 19, 2022

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.
005.15014.01	*** REVISIONS TO GS-15014 *** 2601.03, C, 2, b, Seed Mixture. Add note to Table 2601.03-2: 3. For 2022 construction season only, a partial or full substitution of the required 25 pounds of Creeping Red Fescue is allowed with any of the following varieties: Chewing Fescue, Hard Fescue, Sheep's Fescue or Blue Fescue. 2601.03, C, 3, b, Seed Mixture. Add note to Table 2601.03-3: * For 2022 construction season only, ryegrass rate may be reduced to 30 pounds per acre as long as the fescue rate is increased to 150 pounds per acre. 2601.03, C, 4, b, Seed Mixture. Add note to Table 2601.03-4: 3. For 2022 construction season only, a partial or full substitution of the required 25 pounds of Creeping Red Fescue is allowed with any of the following varieties: Chewing Fescue, Hard Fescue, Sheep's Fescue or Blue Fescue.
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-15014	GENERAL SUPPLEMENTAL SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION

Proposal Schedule of Items

Page 1 of 9

Proposal ID: 11-7422-620

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	2102-2713070 EXCAVATION, CLASS 13, ROADWAY AND BORROW	10,940.000 CY	_____	_____	_____	_____
0020	2105-8425015 TOPSOIL, STRIP, SALVAGE AND SPREAD	3,969.000 CY	_____	_____	_____	_____
0030	2107-0875000 COMPACTION WITH MOISTURE AND DENSITY CONTROL	4,697.000 CY	_____	_____	_____	_____
0040	2115-0100000 MODIFIED SUBBASE	846.000 CY	_____	_____	_____	_____
0050	2121-7425010 GRANULAR SHOULDERS, TYPE A	152.900 TON	_____	_____	_____	_____
0060	2123-7450000 SHOULDER CONSTRUCTION, EARTH	8.100 STA	_____	_____	_____	_____
0070	2128-0000120 FURNISH AND APPLY GRANULAR SHOULDER MATERIAL	305.000 TON	_____	_____	_____	_____
0080	2301-1033080 STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	4,354.200 SY	_____	_____	_____	_____
0090	2315-8275025 SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	160.000 TON	_____	_____	_____	_____
0100	2401-6745650 REMOVAL OF EXISTING STRUCTURES	LUMP SUM	LUMP SUM		_____	_____
0110	2402-2720100 EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT	415.300 CY	_____	_____	_____	_____

Proposal Schedule of Items

Page 2 of 9

Proposal ID: 11-7422-620

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	2416-0100018 APRONS, CONCRETE, 18 IN. DIA.	7.000 EACH	_____	_____	_____	_____
0130	2416-0100024 APRONS, CONCRETE, 24 IN. DIA.	11.000 EACH	_____	_____	_____	_____
0140	2416-0100030 APRONS, CONCRETE, 30 IN. DIA.	3.000 EACH	_____	_____	_____	_____
0150	2416-0100042 APRONS, CONCRETE, 42 IN. DIA.	1.000 EACH	_____	_____	_____	_____
0160	2416-0102224 APRON, LOW CLEARANCE CONCRETE, EQUIVALENT DIAMETER 24 IN.	4.000 EACH	_____	_____	_____	_____
0170	2416-1170018 CULVERT, 3000D CONCRETE ENTRANCE PIPE, 18 IN. DIA.	200.000 LF	_____	_____	_____	_____
0180	2416-1170024 CULVERT, 3000D CONCRETE ENTRANCE PIPE, 24 IN. DIA.	64.000 LF	_____	_____	_____	_____
0190	2416-1170030 CULVERT, 3000D CONCRETE ENTRANCE PIPE, 30 IN. DIA.	64.000 LF	_____	_____	_____	_____
0200	2416-1202224 CULVERT, 3000D LOW CLEARANCE CONCRETE ROADWAY PIPE, EQUIVALENT DIAMETER 24 IN.	112.000 LF	_____	_____	_____	_____
0210	2416-1240024 CULVERT, 3000D CONCRETE ROADWAY PIPE, 24 IN. DIA.	160.000 LF	_____	_____	_____	_____
0220	2435-0130148 MANHOLE, SANITARY SEWER, SW- 301, 48 IN.	1.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 3 of 9

Proposal ID: 11-7422-620

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	2435-0140160 MANHOLE, STORM SEWER, SW-401, 60 IN.	1.000 EACH	_____	_____	_____	_____
0240	2435-0140184 MANHOLE, STORM SEWER, SW-401, 84 IN.	1.000 EACH	_____	_____	_____	_____
0250	2435-0250500 INTAKE, SW-505	4.000 EACH	_____	_____	_____	_____
0260	2435-0600010 MANHOLE ADJUSTMENT, MINOR	1.000 EACH	_____	_____	_____	_____
0270	2435-0700010 CONNECTION TO EXISTING MANHOLE	3.000 EACH	_____	_____	_____	_____
0280	2502-8212206 SUBDRAIN, PERFORATED PLASTIC PIPE, 6 IN. DIA.	1,982.000 LF	_____	_____	_____	_____
0290	2502-8221006 SUBDRAIN RISER, 6 IN., AS PER PLAN	5.000 EACH	_____	_____	_____	_____
0300	2502-8221303 SUBDRAIN OUTLET, DR-303	9.000 EACH	_____	_____	_____	_____
0310	2503-0110018 STORM SEWER GRAVITY MAIN, TRENCHED, 18 IN.	83.000 LF	_____	_____	_____	_____
0320	2503-0110024 STORM SEWER GRAVITY MAIN, TRENCHED, 24 IN.	413.000 LF	_____	_____	_____	_____
0330	2503-0110030 STORM SEWER GRAVITY MAIN, TRENCHED, 30 IN.	99.000 LF	_____	_____	_____	_____

Proposal Schedule of Items

Page 4 of 9

Proposal ID: 11-7422-620

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
0340	2503-0110036 STORM SEWER GRAVITY MAIN, TRENCHED, 36 IN.	32.000 LF	_____	_____	_____	_____
0350	2503-0110042 STORM SEWER GRAVITY MAIN, TRENCHED, 42 IN.	80.000 LF	_____	_____	_____	_____
0360	2503-0200036 REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	100.000 LF	_____	_____	_____	_____
0370	2504-0114008 SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	62.000 LF	_____	_____	_____	_____
0380	2504-0114024 SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 24 IN.	175.000 LF	_____	_____	_____	_____
0390	2504-0200406 SANITARY SEWER SERVICE STUB, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	50.000 LF	_____	_____	_____	_____
0400	2504-0240036 REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	250.000 LF	_____	_____	_____	_____
0410	2507-3250005 ENGINEERING FABRIC	70.000 SY	_____	_____	_____	_____
0420	2507-6800061 REVTMENT, CLASS E	50.000 TON	_____	_____	_____	_____
0430	2510-6745850 REMOVAL OF PAVEMENT	3,710.500 SY	_____	_____	_____	_____
0440	2515-2475008 DRIVEWAY, P.C. CONCRETE, 8 IN.	243.000 SY	_____	_____	_____	_____

Proposal Schedule of Items

Page 5 of 9

Proposal ID: 11-7422-620

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
0450	2515-6745600 REMOVAL OF PAVED DRIVEWAY	532.400 SY				
0460	2524-6765010 REMOVE AND REINSTALL SIGN AS PER PLAN	22.000 EACH				
0470	2528-2518000 SAFETY CLOSURE	6.000 EACH				
0480	2528-8445110 TRAFFIC CONTROL	LUMP SUM	LUMP SUM			
0490	2528-8445113 FLAGGERS	30.000 EACH		540.00000	16,200.00	
0500	2529-5070110 PATCHES, FULL-DEPTH FINISH, BY AREA	471.000 SY				
0510	2529-5070111 PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)	668.000 SY				
0520	2529-5070120 PATCHES, FULL-DEPTH FINISH, BY COUNT	22.000 EACH				
0530	2529-8202000 RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)	1.000 EACH				
0540	2530-5070210 PATCHES, PARTIAL-DEPTH P.C.C. FINISH	217.000 SF				
0550	2530-5070240 PARTIAL DEPTH PCC JOINT AND CRACK REPAIR PATCHES	21.000 LF				

Proposal Schedule of Items

Page 6 of 9

Proposal ID: 11-7422-620

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
0560	2533-4980005 MOBILIZATION	LUMP SUM	LUMP SUM			
0570	2537-8900000 REMEDATION OF PETROLEUM CONTAMINATED SOIL	1,160.000 CY				
0580	2537-8900100 SAMPLING AND TESTING FOR PETROLEUM CONTAMINATION (WATER AND SOIL SAMPLES FOR REMEDATION OF PETROLEUM CONTAMINATED SOIL)	4.000 EACH				
0590	2549-0041060 BYPASS PUMPING SEWAGE	1.000 LS				
0600	2554-0112006 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 6 IN.	119.000 LF				
0610	2554-0112008 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	90.000 LF				
0620	2554-0112012 WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN.	732.000 LF				
0630	2554-0203000 FITTINGS BY WEIGHT, DUCTILE IRON	2,026.000 LB				
0640	2554-0204120 WATER SERVICE STUB, COPPER, 2 IN.	3.000 EACH				
0650	2554-0205720 WATER SERVICE CURB STOP AND BOX, COPPER, 2 IN.	3.000 EACH				
0660	2554-0207006 VALVE, GATE, DIP, 6 IN.	3.000 EACH				

Proposal Schedule of Items

Page 7 of 9

Proposal ID: 11-7422-620

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
0670	2554-0207012 VALVE, GATE, DIP, 12 IN.	2.000 EACH	_____	_____	_____	_____
0680	2554-0208006 TAPPING VALVE ASSEMBLY, 6 IN.	4.000 EACH	_____	_____	_____	_____
0690	2554-0208012 TAPPING VALVE ASSEMBLY, 12 IN.	1.000 EACH	_____	_____	_____	_____
0700	2554-0210201 FIRE HYDRANT ASSEMBLY, WM-201	2.000 EACH	_____	_____	_____	_____
0710	2554-0211006 FLUSHING DEVICE (BLOWOFF), 6 IN.	3.000 EACH	_____	_____	_____	_____
0720	2554-0214000 FIRE HYDRANT ADJUSTMENT	5.000 EACH	_____	_____	_____	_____
0730	2555-0000010 DELIVER AND STOCKPILE SALVAGED MATERIALS	LUMP SUM	LUMP SUM		_____	_____
0740	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING SANITARY SEWER	5.000 EACH	_____	_____	_____	_____
0750	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING STORM SEWER	6.000 EACH	_____	_____	_____	_____
0760	2599-9999005 (‘EACH’ ITEM) CONNECT TO EXISTING WATER MAIN	7.000 EACH	_____	_____	_____	_____
0770	2599-9999005 (‘EACH’ ITEM) MANHOLE, WATER MAIN AIR RELEASE VALVE	1.000 EACH	_____	_____	_____	_____
0780	2599-9999005 (‘EACH’ ITEM) SALVAGE FIRE HYDRANT	2.000 EACH	_____	_____	_____	_____

Proposal Schedule of Items

Page 8 of 9

Proposal ID: 11-7422-620

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
0790	2599-9999005 (‘EACH’ ITEM) TILE REPAIR 12 OR LESS	5.000 EACH	_____	_____	_____	_____
0800	2599-9999005 (‘EACH’ ITEM) TILE REPAIR 12-24	5.000 EACH	_____	_____	_____	_____
0810	2599-9999007 (‘HOURS’ ITEM) EXPLORATORY EXCAVATION, GENERAL	20.000 HOUR	_____	_____	_____	_____
0820	2599-9999007 (‘HOURS’ ITEM) EXPLORATORY EXCAVATION, VAC TRUCK	20.000 HOUR	_____	_____	_____	_____
0830	2599-9999009 (‘LINEAR FEET’ ITEM) WATER MAIN REMOVAL OR ABANDONMENT	917.000 LF	_____	_____	_____	_____
0840	2599-9999010 (‘LUMP SUM’ ITEM) TEMPORARY WATER	LUMP SUM	LUMP SUM		_____	_____
0850	2599-9999018 (‘SQUARE YARDS’ ITEM) POLYSTYRENE INSULATION, 4	8.000 SY	_____	_____	_____	_____
0860	2601-2636043 SEEDING AND FERTILIZING (RURAL)	1.720 ACRE	_____	_____	_____	_____
0870	2601-2636044 SEEDING AND FERTILIZING (URBAN)	1.560 ACRE	_____	_____	_____	_____
0880	2601-2638352 SLOPE PROTECTION, WOOD EXCELSIOR MAT	1,015.000 SQ	_____	_____	_____	_____
0890	2601-2640350 SPECIAL DITCH CONTROL, WOOD EXCELSIOR MAT	384.000 SQ	_____	_____	_____	_____

Proposal Schedule of Items

Page 9 of 9

Proposal ID: 11-7422-620

SECTION: 0001 ROADWAY ITEMS

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

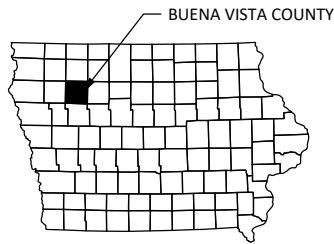
Proposal Line Number	Item Number Item Description	Item Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0900	2602-0000020 SILT FENCE	1,842.000 LF				
0910	2602-0000030 SILT FENCE FOR DITCH CHECKS	565.000 LF				
0920	2602-0000071 REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	2,407.000 LF				
0930	2602-0000101 MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	2,407.000 LF				
0940	2602-0000150 STABILIZED CONSTRUCTION ENTRANCE, EC-303	190.000 LF				
0950	2602-0000309 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	500.000 LF				
0960	2602-0000530 GRATE INTAKE SEDIMENT FILTER BAG	8.000 EACH				
0970	2602-0000540 MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	8.000 EACH				
0980	2602-0000550 REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	8.000 EACH				
0990	2602-0010010 MOBILIZATIONS, EROSION CONTROL	8.000 EACH				
Section: 0001			Total:			
			Total Bid:			

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A:\3160\01122814\CD\12281401.dwg 1/17/2022 11:22:53 AM

CITY OF STORM LAKE

PCC PAVEMENT - REPLACE
STBG-SWAP-7422(620)--SG-11

LETTING DATE
APRIL 19, 2022



CITY OF STORM LAKE, IA

URBAN ROAD SYSTEM

EAST RICHLAND STREET, FROM INDUSTRY STREET EAST 600 FEET TO RADIO ROAD

PCC PAVEMENT - GRADE AND REPLACE

SHEET TOTAL 69 PAGES

INDEX OF TABULATIONS

This Data Entry Sheet fills Tab 111-25 effective 10-18-11

Tabulation	Tabulation Title	Sheet No.
DE 100 1A	ESTIMATED PROJECT QUANTITIES	C.01
DE 100 1D	PROJECT DESCRIPTION	C.01
DE 100 4A	ESTIMATE REFERENCE INFORMATION	C.02 - C.04
DE 100 22	ROLLED EROSION CONTROL	C.05
DE 100 17	TABULATION OF SILT FENCES	C.05
DE 100-18	SILT FENCES FOR DITCH CHECKS	C.05
DE 100-19	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	C.05
DE 100 24	PCC PAVEMENT	C.06
DE 100 37	GRATE INTAKE SEDIMENT FILTER BAG	C.06
DE 102 6C	FULL DEPTH PATCHES	C.07
DE 102 10	PARTIAL DEPTH PCC FINISH PATCHES	C.07
DE 104 3	DRAINAGE STRUCTURE BY ROAD CONTRACTOR	C.07
	STORM SEWER STRUCTURES AND PIPES	C.08
DE 104 5C	LIST OF SUBDRAIN WORK	C.09
DE 104 10	ADJUSTMENT OF FIXTURES	C.09
DE 105 1	MILEAGE SUMMARY	A.01
DE 105 3	INDEX OF SHEETS	A.01
DE 105 4	STANDARD ROAD PLANS	C.09
DE 110 1	REMOVAL OF PAVEMENT	C.10
DE 110 8	REMOVAL OF CONCRETE DRIVES	C.10
DE 110 12	POLLUTION PREVENTION PLAN	RC.01
DE 110 13	DELIVERY AND STOCKPILING	C.10
DE 110 14	SANITARY, STORM SEWER AND WATERMAIN ABANDONMENT OR REMOVAL	C.10
DE 110 15	REMOVAL OF INTAKES AND UTILITY ACCESSES	C.10
DE 111 25	INDEX OF TABULATIONS	A.01
DE 112 9	SHOULDERS	C.11
DE 112 7	RUMBLE STRIP PANEL	C.11
DE 190 62	EXISTING SIGNS TO BE REMOVED	C.11
	WATERMAIN CONSTRUCTION	C.12
	WATER SERVICES	C.12
	SANITARY SEWER STRUCTURES AND PIPES	C.12
	PAVED DRIVES	C.12

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

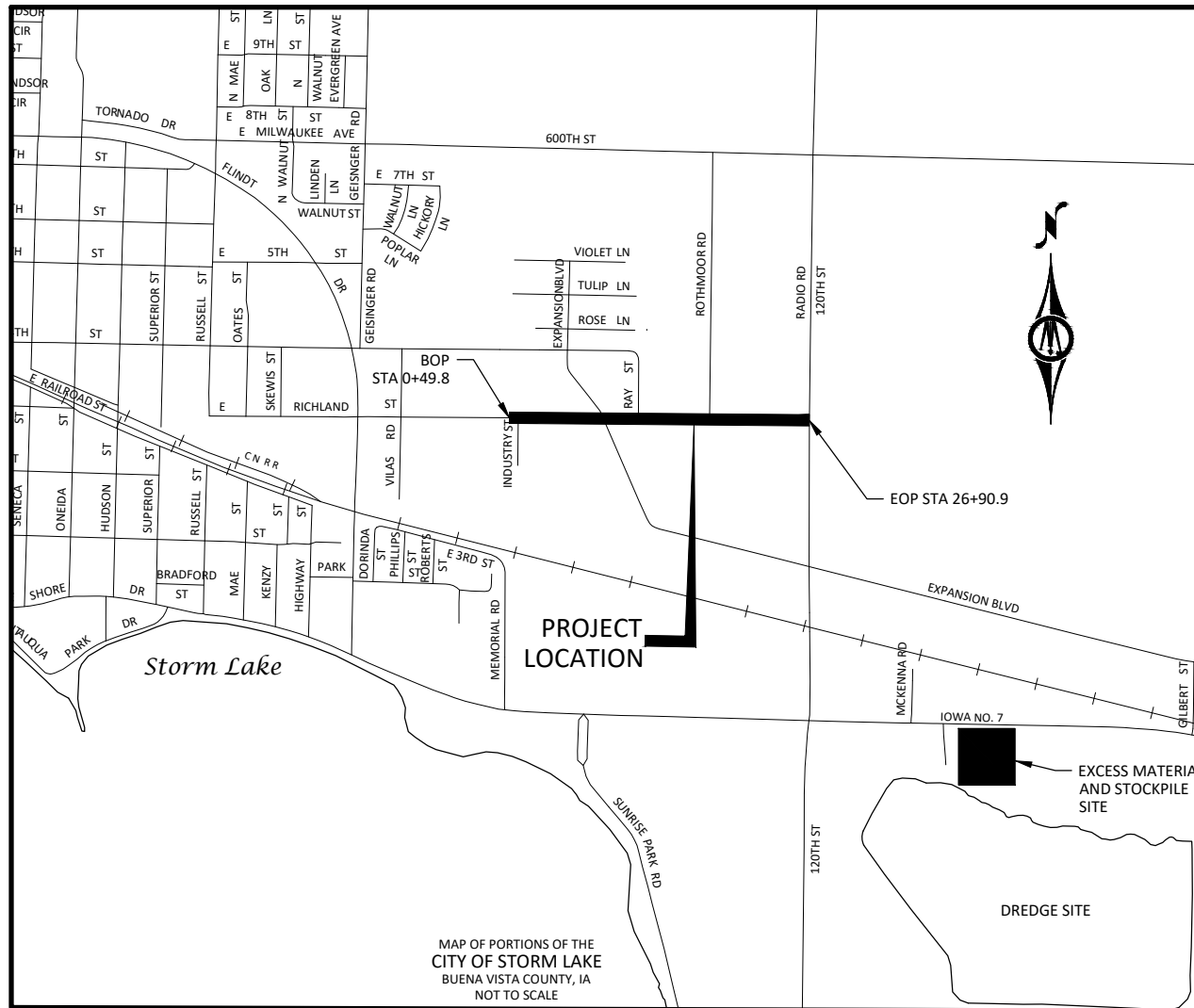
TELEPHONE/CABLE
Long Lines
118 E. 5th St.
Storm Lake, IA 50588
712-213-7425

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	RICHLAND ST.: STA. 0+49.8 TO STA. 26+90.9	2641.1	0.50

04-30-02

101-7

DESIGN DATA RICHLAND STREET

2019 AADT	2210	V.P.D.
2054 AADT	3950	V.P.D.
2054 D.H.V. TRUCKS	15	V.P.H. %
TOTAL DESIGN ESALS	880,000	

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 _____ DATE: 11/16/2021
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: 01/17/2022
	MY LICENSE RENEWAL DATE IS DECEMBER 31, 2021	
PAGES OR SHEETS COVERED BY THIS SEAL: ALL SHEETS		

ENGLISH IOWA DOT DESIGN TEAM POPE\BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

SHEET NUMBER A.01

REVISED



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

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
	LIFT STATION		
	LIGHT ON POLE		
	LIGHT-GROUND		
	MAILBOX		
	MANHOLE-COMMUNICATION		
	MANHOLE-ELECTRIC		
	MANHOLE-GAS		
	MANHOLE-HEAT		
	MANHOLE-SANITARY SEWER		
	MANHOLE-STORM SEWER		
	MANHOLE-UTILITY		
	MANHOLE-WATER		
	METER		
	ORDER MICROPHONE		
	PARKING METER		
	PAVEMENT MARKING		
	PEDESTAL-COMMUNICATION		
	PEDESTAL-ELECTRIC		
	PEDESTRIAN PUSH BUTTON		
	PICNIC TABLE		
	POLE-UTILITY		
	POST		
	RAILROAD SIGNAL POLE		

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 WITH SAND
	FILL		LEAN CLAY
	GRAVEL		CLAYEY SAND

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.

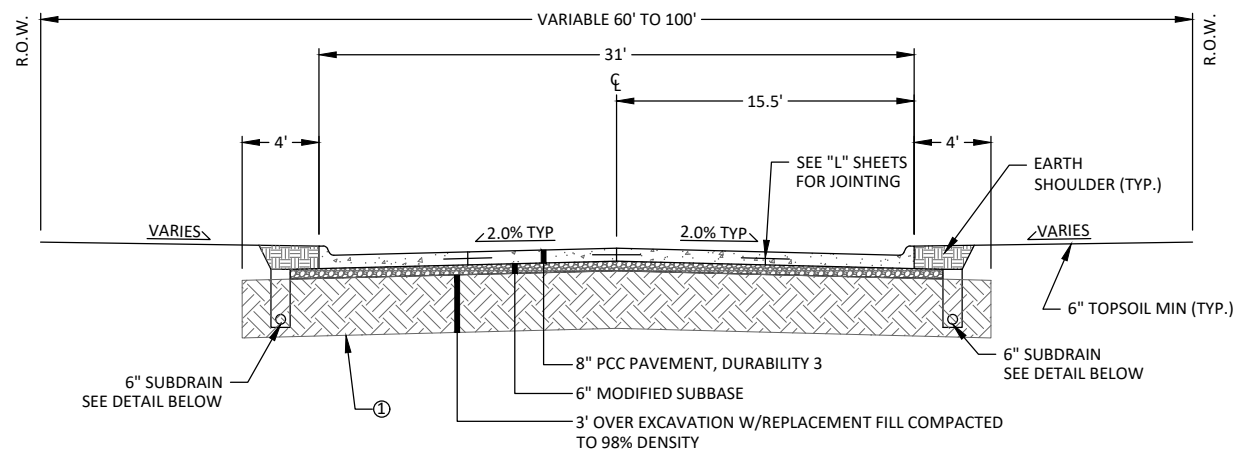
QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

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	PORTLAND CEMENT CONCRETE	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		



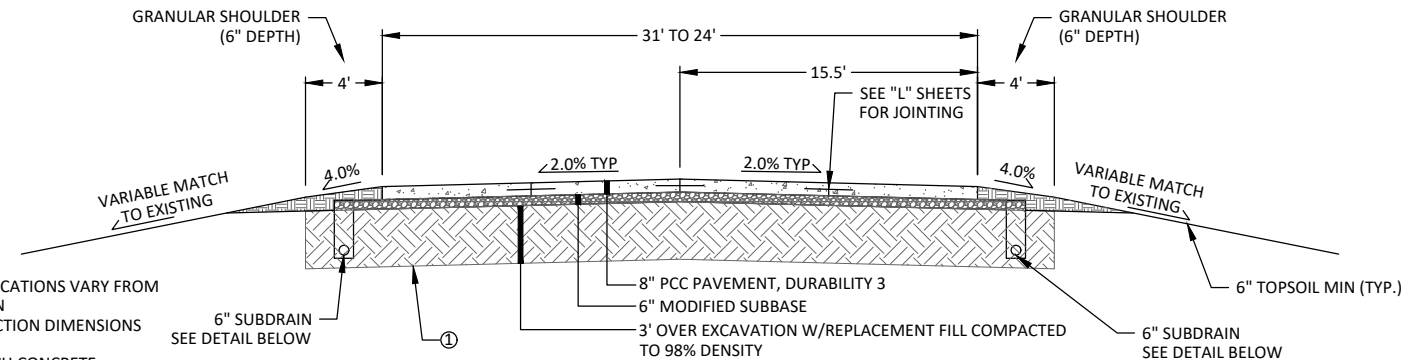
TYPICAL SECTION
STA. 0+50 - 5+75
NOT TO SCALE

GENERAL NOTES:

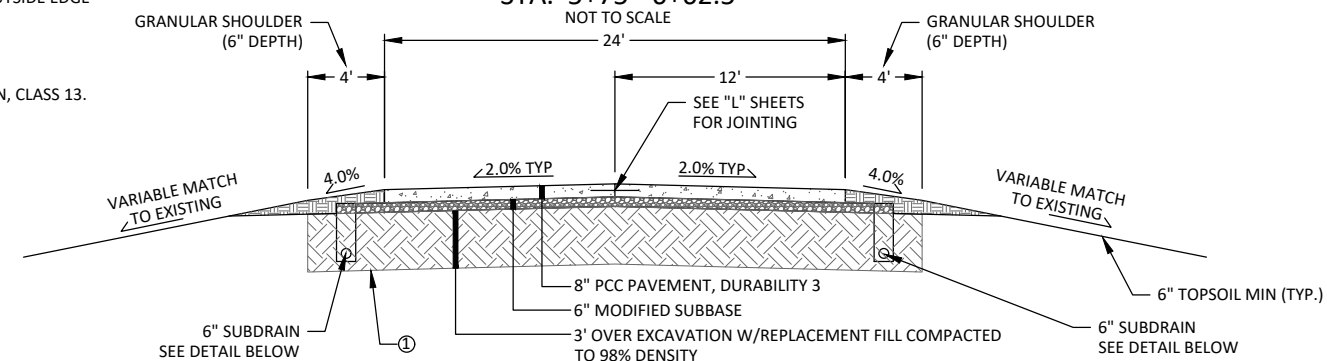
1. PAVEMENT SLOPES AT INTERSECTION LOCATIONS VARY FROM THOSE SHOWN ON THE TYPICAL SECTION
2. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS
3. GRADE ALL TOPSOIL MATERIAL TO MATCH CONCRETE SURFACES
4. SEE W SHEETS FOR VARIATIONS TO STANDARD CROSS SLOPE
5. 3' OVER EXCAVATION DEPTH SHALL EXTEND 4' OUTSIDE EDGE OF PAVING

TYPICAL SECTION CONSTRUCTION NOTES:

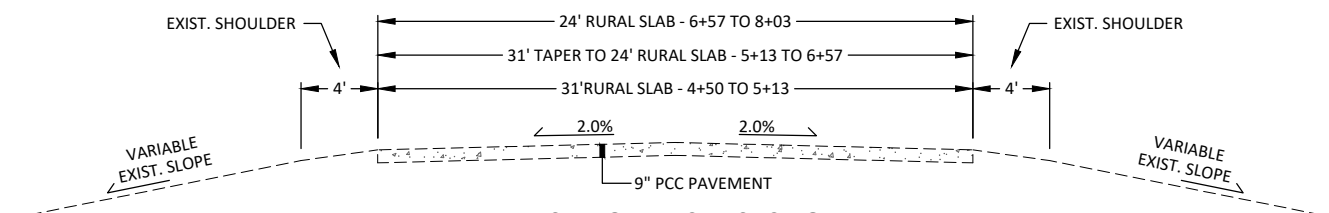
- ① GRADING ABOVE THIS LINE IS INCLUDED IN EXCAVATION, CLASS 13.



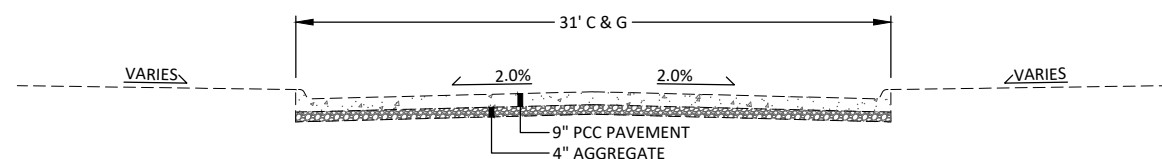
TYPICAL SECTION
STA. 5+75 - 6+62.5
NOT TO SCALE



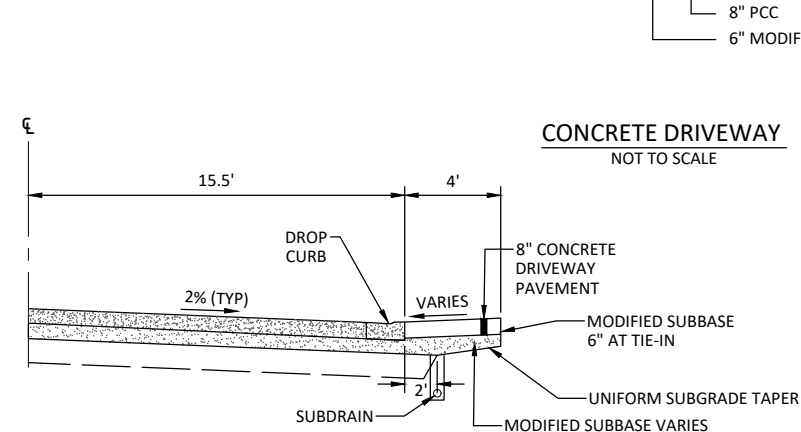
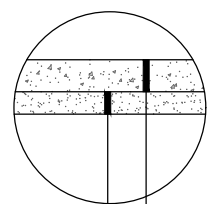
TYPICAL SECTION
STA. 6+62.5 - 7+66
NOT TO SCALE



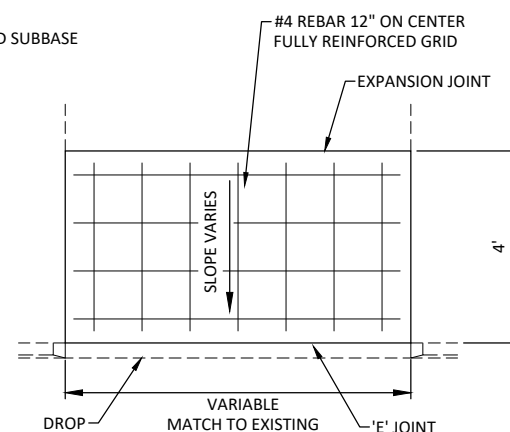
EXISTING TYPICAL SECTION
STA. 4+50 - 8+03
NOT TO SCALE



EXISTING TYPICAL SECTION
STA. 0+50 - 4+50
NOT TO SCALE

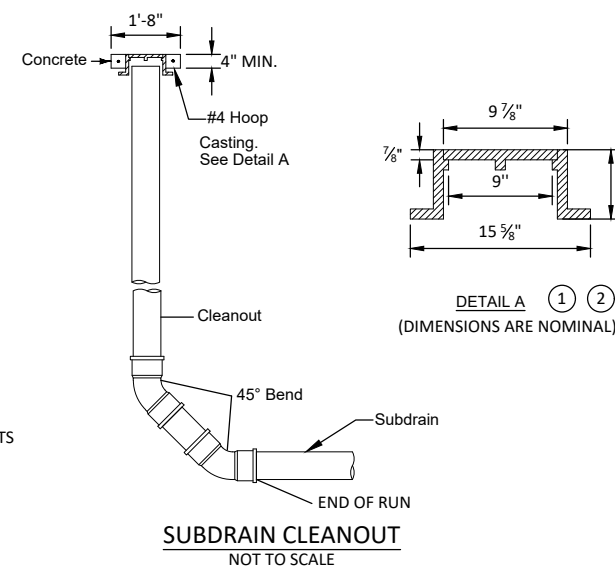


CONCRETE DRIVEWAY SECTION

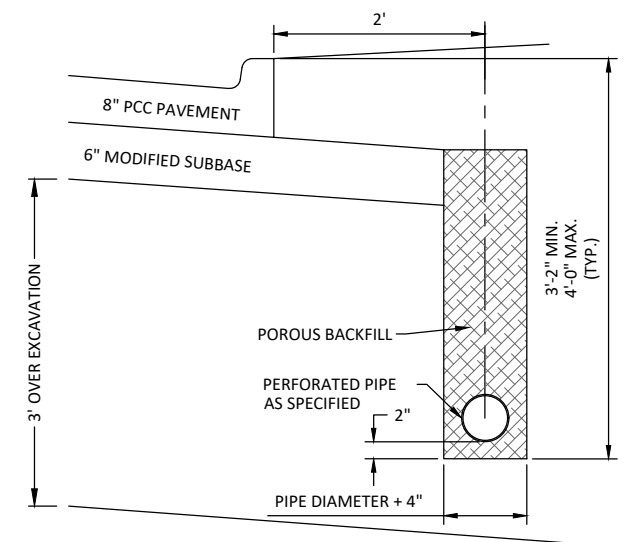


CONCRETE DRIVEWAY DETAIL
NOT TO SCALE

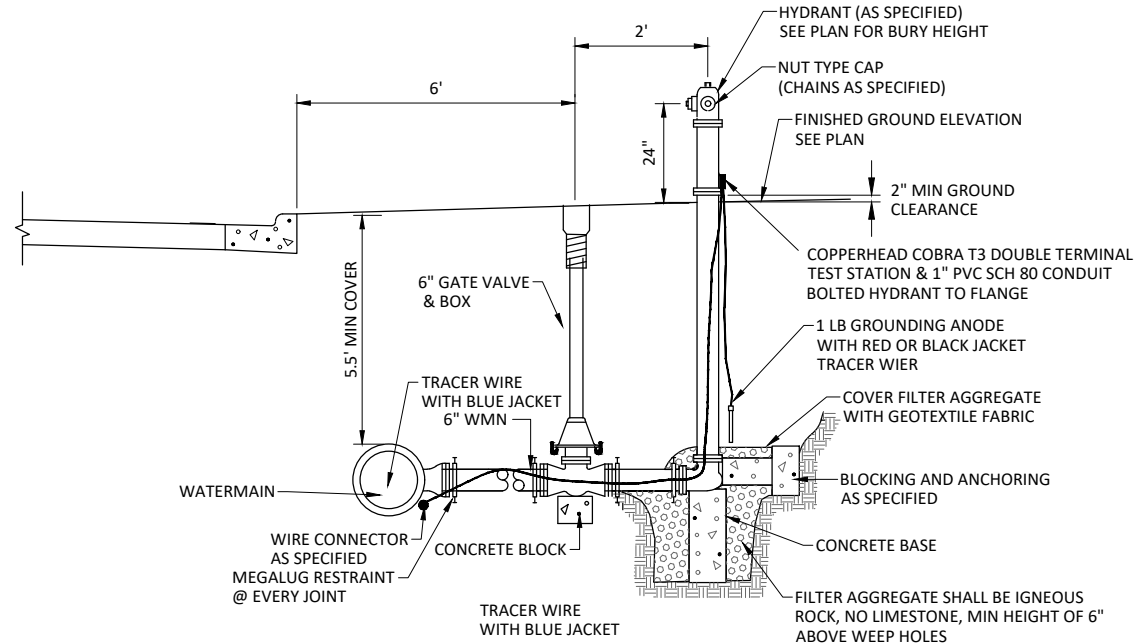
- NOTE:**
1. REBAR IS INCIDENTAL TO 8" CONCRETE PAVEMENT - DRIVEWAY BID ITEM.
 2. ALL JOINTS SHALL BE SAW CUT. TOOL JOINTS WILL NOT BE ALLOWED.



- SUBDRAIN NOTES:**
1. LIGHT DUTY CASTING. LABEL LID WITH "STORM C.O.".
 2. DESIGN IS INTENDED FOR USE IN CONJUNCTION WITH 8 INCH PVC RISER PIPE. OTHER SIZED CAPS MAY BE USED WITH SMALLER PIPE, AS APPROVED BY THE ENGINEER.



SUBSURFACE ROADWAY EDGE DRAIN
TYPE 7A INSTALLATION
NOT TO SCALE

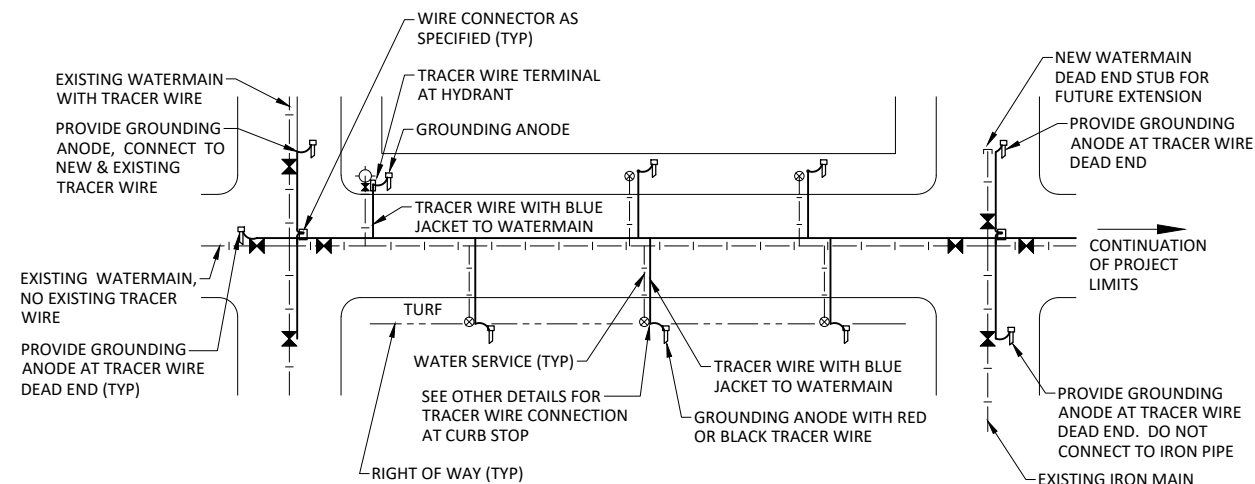


NOTES

- HYDRANTS LOCATED WHERE THE GROUNDWATER TABLE IS ABOVE THE DRAIN OUTLET SHALL HAVE THE OUTLET DRAIN PLUGGED AND SHALL BE EQUIPPED WITH A TAG STATING "PUMP AFTER USE"
- REFER TO TRACER WIRE DETAILS FOR ADDITIONAL INFORMATION.

HYDRANT INSTALLATION, MEGALUGS

NOT TO SCALE

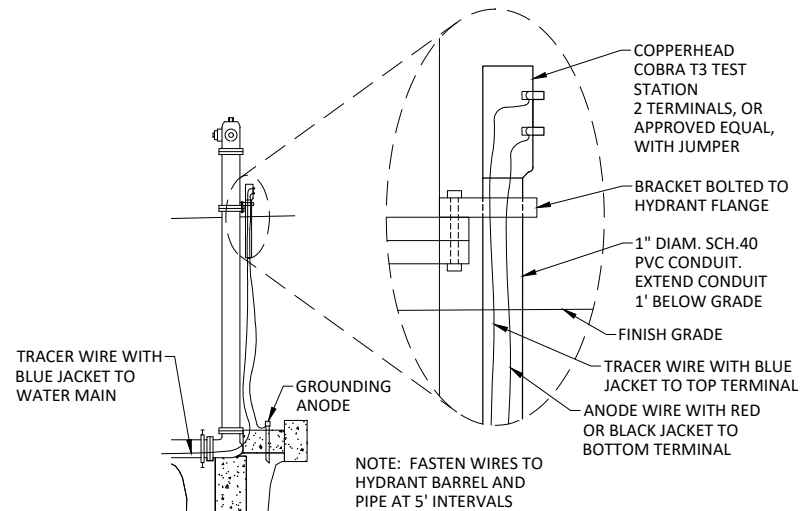


NOTES:

- NUMBER OF SERVICES, CASTINGS AND TRACER WIRE ACCESS BOXES REQUIRED PER BLOCK VARIES. REFER TO MWM SHEETS.
- CONNECTIONS TO EXISTING WATERMAINS AND TRACER WIRES VARY BY LOCATION.
- DO NOT CAD WELD TRACER WIRE TO DUCTILE IRON PIPE.

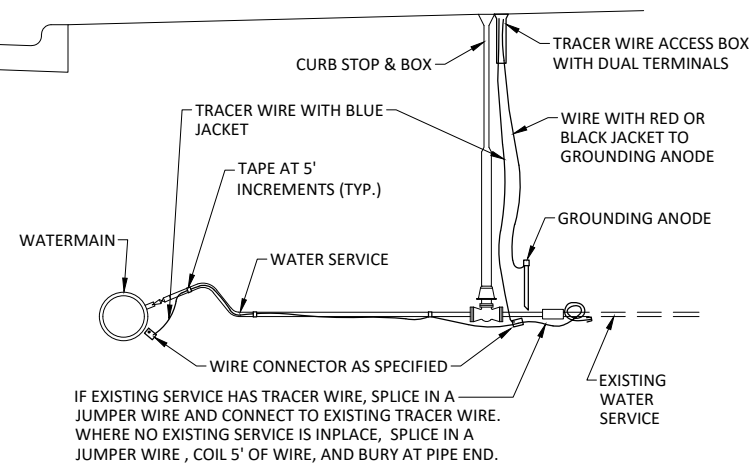
TRACER WIRE SYSTEM SCHEMATIC - WATER DISTRIBUTION

NOT TO SCALE



TRACER WIRE AT HYDRANT

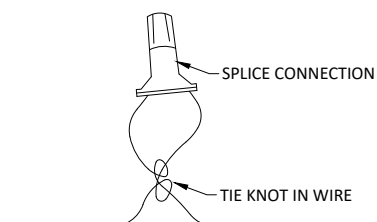
NOT TO SCALE



TRACER WIRE AT WATER SERVICE INSTALLATION

RECONSTRUCTION

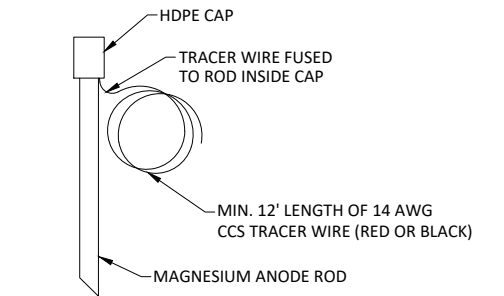
NOT TO SCALE



WHERE IN-LINE SPLICES ARE REQUIRED ALONG
PIPES, THE TRACER WIRE SHALL BE KNOTTED
PRIOR TO INSERTION INTO THE SPLICE
CONNECTION.

IN-LINE TRACER WIRE SPLICE

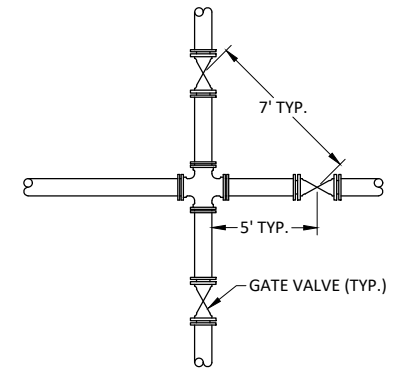
NOT TO SCALE



NOTE: MAGNESIUM ROD DIMENSIONS SHALL BE
APPROX. 18" LONG BY 1.3" DIAM., AND APPROX. 1
LB IN WEIGHT

GROUNDING ANODE

NOT TO SCALE

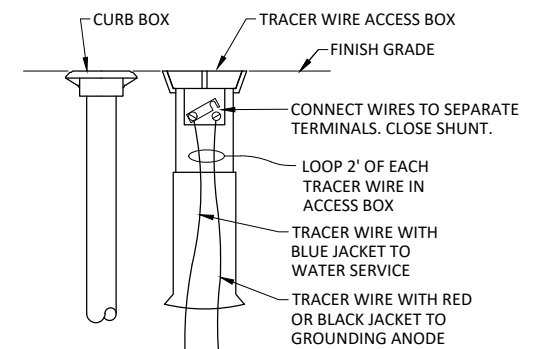


NOTES:

- WHERE GATE VALVES ARE CLUSTERED TOGETHER, THEY SHALL BE SPACED ADEQUATELY TO ALLOW SELF PROPELLED COMPACTION EQUIPMENT TO PASS BETWEEN EACH VALVE BOX.
- THE DIMENSIONS SHOWN HERE MAY BE ADJUSTED IN THE FIELD BASED ON THE SIZE OF THE CONTRACTOR'S COMPACTION EQUIPMENT.
- THE USE OF HAND OPERATED MOTORIZED COMPACTION EQUIPMENT IS ALSO REQUIRED AROUND VALVE BOXES.

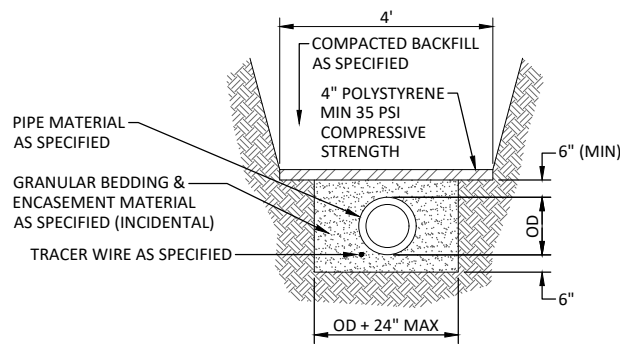
GATE VALVE SPACING

NOT TO SCALE



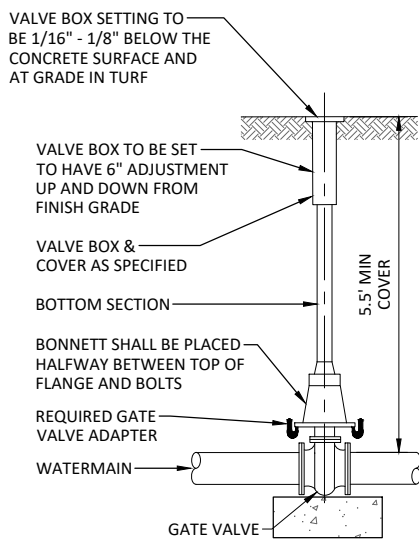
TRACER WIRE ACCESS BOX AT CURB BOX

NOT TO SCALE

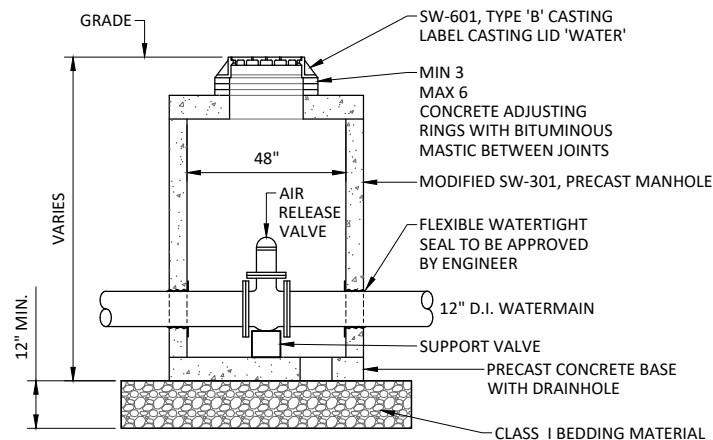


WATERMAIN INSULATION
NOT TO SCALE

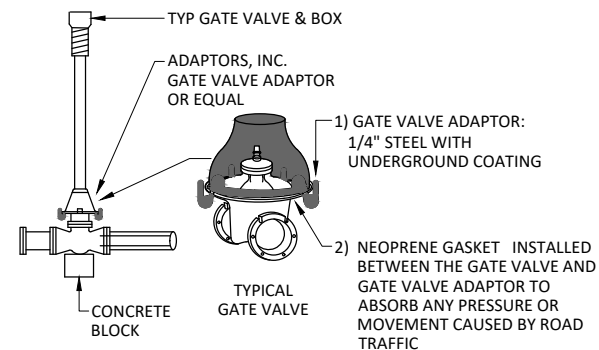
- NOTES:
1. VALVE BOX SHALL BE CENTERED ON OPERATING NUTS, STRAIGHT, FREE FROM DEBRIS, AND ALL SECTIONS UNBROKEN
 2. DEEP VALVES SHALL HAVE NUT EXTENSIONS INSTALLED TO ELEVATION TO ACCOMMODATE STANDARD 10' KEY; BOTTOM NUT SHALL BE BOLTED TO VALVE NUT AND ONLY ONE SECTION
 3. COMPACTION WITH MECHANICAL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



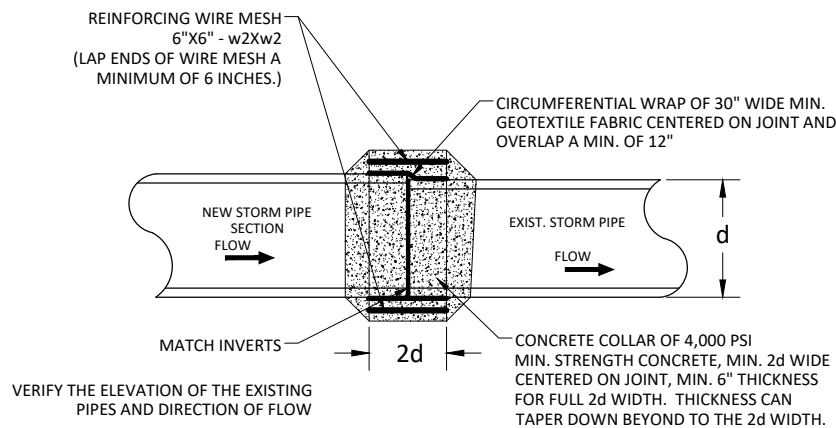
GATE VALVE BOX INSTALLATION
NOT TO SCALE



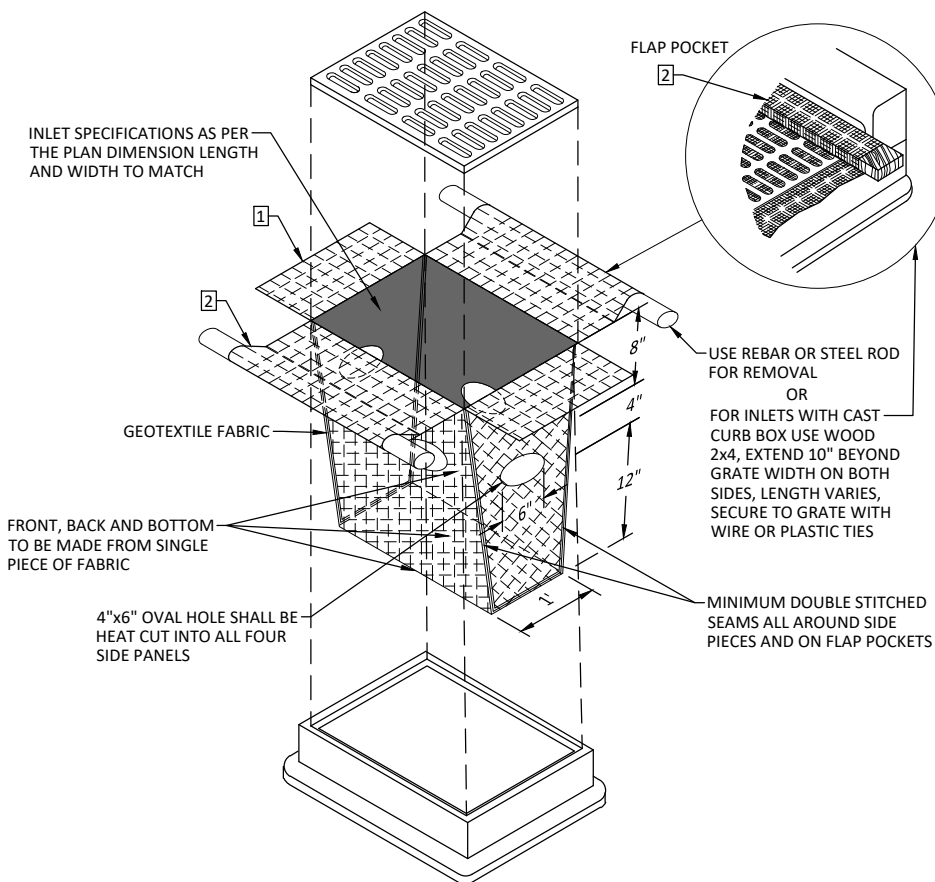
WATER MAIN MANHOLE W/AIR RELEASE VALVE
NOT TO SCALE



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\"/>

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ESTIMATED PROJECT QUANTITIES							
This Data Entry Sheet fills Tab 100-1A effective 07-15-97							
Item No.	Item Code	Item	Unit	PARTICIPATE QTY	NON-PARTICIPATE QTY	Total	As Built Qty.
1	2102-2713070	EXCAVATION, CL 13, RDWY AND BORROW	CY	10940		10940	
2	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	3969		3969	
3	2107-0875000	COMPACTION W/MOISTURE AND DENSITY CONTROL	CY	4697		4697	
4	2115-0100000	MODIFIED SUBBASE	CY	846		846	
5	2121-7425010	GRANULAR SHOULDER, TYPE A	TON	152.9		152.9	
6	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	8.1		8.1	
7	2128-0000120	FURNISH AND APPLY GRANULAR SHOULDER MATERIAL	TON	305		305	
8	2301-1033080	STD/S-F PCC PAV'T, CL C, CL 3, 8"	SY	4354.2		4354.2	
9	2315-8275025	SURFACE, DRIVEWAY, CLASS 'A' CRUSHED STONE	TON	160		160	
10	2401-6745650	REMOVAL OF EXISTING STRUCTURE	LS	1		1	
11	2402-2720100	EXCAVATION, CL 20, ROADWAY PIPE CULVERT	CY	415.3		415.3	
12	2416-0100018	APRON, CONC, 18"	EACH	7		7	
13	2416-0100024	APRON, CONC, 24"	EACH	11		11	
14	2416-0100030	APRON, CONC, 30"	EACH	3		3	
15	2416-0100042	APRON, CONC, 42"	EACH	1		1	
16	2416-0102224	APRON, LOW CLEARANCE CONC, EQUIV DIA 24"	EACH	4		4	
17	2416-1170018	CULV, 3000D CONC ENT PIPE, 18"	LF	200		200	
18	2416-1170024	CULV, 3000D CONC ENT PIPE, 24"	LF	64		64	
19	2416-1170030	CULV, 3000D CONC ENT PIPE, 30"	LF	64		64	
20	2416-1202224	CULV,3000D LOW CLR ROADWAY PIPE, EQ DIA 24"	LF	112		112	
21	2416-1240024	CULV, 3000D CONC ROADWAY PIPE, 24"	LF	160		160	
22	2435-0130148	MANHOLE, SAN SEWER, SW-301, 48"	EACH	0	1	1	
23	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60"	EACH	1		1	
24	2435-0140184	MANHOLE, STORM SEWER, SW-401, 84"	EACH	1		1	
25	2435-0250500	INTAKE, SW-505	EACH	4		4	
26	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	1		1	
27	2435-0700010	CONNECTION TO EXIST MANHOLE	EACH	3		3	
28	2502-8212206	SUBDRAIN, PERFORATED PLASTIC PIPE, 6"	LF	1982		1982	
29	2502-8221006	SUBDRAIN RISER, 6"	EACH	5		5	
30	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	9		9	
31	2503-0110018	STORM SEWER GRAVITY MAIN, TRENCHED, 18"	LF	83		83	
32	2503-0110024	STORM SEWER GRAVITY MAIN, TRENCHED, 24"	LF	413		413	
33	2503-0110030	STORM SEWER GRAVITY MAIN, TRENCHED, 30"	LF	99		99	
34	2503-0110036	STORM SEWER GRAVITY MAIN, TRENCHED, 36"	LF	32		32	
35	2503-0110042	STORM SEWER GRAVITY MAIN, TRENCHED, 42"	LF	80		80	
36	2503-0200036	REMOVE STORM SEWER PIPE LESS 36"	LF	100		100	
37	2504-0114008	SAN SEWER GRAVITY MAIN, TRENCHED, PVC, 8"	LF	0	62	62	
38	2504-0114024	SAN SEWER GRAVITY MAIN, TRENCHED, PVC, 24"	LF	0	175	175	
39	2504-0200406	SAN SEWER SERVICE STUB, PVC, 6"	LF	0	50	50	
40	2504-0240036	REMOVE SAN SEWER PIPE LESS 36"	LF	0	250	250	
41	2507-3250005	ENGINEERING FABRIC	SY	70		70	
42	2507-6800061	REVTMENT, CLASS E	TON	50		50	
43	2510-6745850	REMOVAL OF PAVEMENT	SY	3710.5		3710.5	
44	2515-2475008	DRIVEWAY, PCC, 8"	SY	243		243	
45	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	532.4		532.4	
46	2524-6765010	REMOVE AND REINSTALL SIGN	EACH	22		22	
47	2528-2518000	SAFETY CLOSURE	EACH	6		6	
48	2528-8445110	TRAFFIC CONTROL	LS	1		1	
49	2528-8445113	FLAGGER	EACH	30		30	
50	2529-5070110	PATCH, FULL-DEPTH FINISH, BY AREA	SY	471		471	
51	2529-5070111	PATCH,FULL-DEPTH FINISH,BY AREA(=>50 FT)	SY	668		668	
52	2529-5070120	PATCH, FULL-DEPTH FINISH, BY COUNT	EACH	22		22	
53	2529-8202000	RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)	EACH	1		1	
54	2530-5070210	PATCH, PARTIAL-DEPTH PCC FINISH	SF	217		217	
55	2530-5070240	PARTIAL DEPTH PCC JNT AND CRACK REPAIR PATCH	LF	21		21	
56	2533-4980005	MOBILIZATION	LS	1		1	
57	2537-8900000	REMEDIATION OF PETRO CONTAMINATED SOIL	CY	0	1160	1160	
58	2537-8900100	SAMPLE AND TEST-PETRO CONTAMINATED (REMEDIATION)	EACH	0	4	4	
59	2549-0041060	BYPASS PUMPING, SEWAGE	LS	0	1	1	
60	2554-0112006	WATER MAIN, TRENCHED, DIP, 6"	LF	0	119	119	
61	2554-0112008	WATER MAIN, TRENCHED, DIP, 8"	LF	0	90	90	

ESTIMATED PROJECT QUANTITIES							
This Data Entry Sheet fills Tab 100-1A effective 07-15-97							
Item No.	Item Code	Item	Unit	PARTICIPATE QTY	NON-PARTICIPATE QTY	Total	As Built Qty.
62	2554-0112012	WATER MAIN, TRENCHED, DIP, 12"	LF	0	732	732	
63	2554-0203000	FITTINGS BY WEIGHT, DI	LB	0	2026	2026	
64	2554-0204120	WATER SERVICE STUB, COPPER, 2"	EACH	0	3	3	
65	2554-0205720	WATER SERVICE CURB STOP & BOX, COPPER, 2"	EACH	0	3	3	
66	2554-0207006	VALVE, GATE, DIP, 6"	EACH	0	3	3	
67	2554-0207012	VALVE, GATE, DIP, 12"	EACH	0	2	2	
68	2554-0208006	TAPPING VALVE ASSEMBLY, 6"	EACH	0	4	4	
69	2554-0208012	TAPPING VALVE ASSEMBLY, 12"	EACH	0	1	1	
70	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	0	2	2	
71	2554-0211006	FLUSHING DEVICE, TEMPORARY, (BLOWOFF), 6"	EACH	0	3	3	
72	2554-0214000	FIRE HYDRANT ADJUSTMENT	EACH	0	5	5	
73	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIAL	LS	0	1	1	
74	2599-9999005	CONNECT TO EXISTING SANITARY SEWER	EACH	0	5	5	
75	2599-9999005	CONNECT TO EXISTING STORM SEWER	EACH	6		6	
76	2599-9999005	CONNECT TO EXISTING WATER MAIN	EACH	0	7	7	
77	2599-9999005	MANHOLE, WATER MAIN AIR RELEASE	EACH	0	1	1	
78	2599-9999005	SALVAGE FIRE HYDRANT	EACH	0	2	2	
79	2599-9999005	TILE REPAIR <12"	EACH	5		5	
80	2599-9999005	TILE REPAIR 12"-24"	EACH	5		5	
81	2599-9999007	EXPLORATORY EXCAVATION, GENERAL	HOURL	16	4	20	
82	2599-9999007	EXPLORATORY EXCAVATION, VAC TRUCK	HOURL	16	4	20	
83	2599-9999009	WATER MAIN REMOVAL OR ABANDONMENT	LF	0	917	917	
84	2599-9999010	TEMPORARY WATER	LS	0	1	1	
85	2599-9999018	POLYSTYRENE INSULATION, 4"	SY	0	8	8	
86	2601-2636043	SEED AND FERTILIZE (RURAL)	ACRE	1.72		1.72	
87	2601-2636044	SEED AND FERTILIZE (URBAN)	ACRE	1.56		1.56	
88	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR	SQ	1015		1015	
89	2601-2640350	SPECIAL DITCH CONTROL,WOOD EXCELSIOR MAT	SQ	384		384	
90	2602-0000020	SILT FENCE	LF	1842		1842	
91	2602-0000030	SILT FENCE-DITCH CHECKS	LF	565		565	
92	2602-0000071	REMOVAL OF SILT FENCE/SILT FENCE-DITCH CHECK	LF	2407		2407	
93	2602-0000101	MAINT OF SILT FENCE/SILT FENCE-DITCH CHECK	LF	2407		2407	
94	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	190		190	
95	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9"	LF	500		500	
96	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		8	
97	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		8	
98	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		8	
99	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	8		8	

NOTE:
CONSTRUCTION SURVEY TO BE PERFORMED BY THE
CONTRACTING AUTHORITY.

PROJECT DESCRIPTION
This Data Entry Sheet fills Tab 100-1D effective 10-18-05
THIS PROJECT INVOLVES THE RECONSTRUCTION OF E. RICHLAND STREET IN STORM LAKE, IOWA FROM INDUSTRY STREET EAST TO EXPANSION BOULEVARD. CONSTRUCTION PROPOSES TO REMOVE AND REPLACE EXISTING PCC PAVEMENT WITH NEW PCC PAVEMENT. UNDERGROUND IMPROVEMENTS TO FULLY REPLACE THE EXISTING WATER, SANITARY SEWER AND IMPROVE STORM SEWER WITH INTAKES AND MANHOLES FOR ADEQUATE DRAINAGE ALONG THIS CORRIDOR. IN ADDITION THIS PROJECT INCLUDES PCC PAVEMENT REPAIR OF E. RICHLAND STREET IN STORM LAKE, IOWA FROM EXPANSION BOULEVARD EAST TO RADIO ROAD. ROADWAY DITCHES WILL BE TRIED TO PROVIDE ADEQUATE DRAINAGE ALONG THIS CORRIDOR.

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ESTIMATE REFERENCE INFORMATION		
This Data Entry Sheet fills Tab 100-4A effective 10-29-02		
Item No.	Item Code	Description
1	2102-2713070	EXCAVATION, CL 13, RDWY AND BORROW
		ALL SUITABLE EXCESS EXCAVATED MATERIAL WILL REMAIN THE PROPERTY OF THE OWNER AND WILL BE LOADED, HAULED, AND PLACED TO THE EXCESS MATERIAL AND STOCKPILE SITE. CUT OF 10,940 CY AND A FILL OF 6,812 CY WITH A 1.35% FILL FACTOR, ASSUMED HAUL OFF OF 7,307 CY. APPROVED BORROW MATERIAL OF 6,341 CY WITH A 1.35% FILL FACTOR IS INCLUDED IN THIS QUANTITY AND IS THE REPLACEMENT MATERIAL FOR THE 3 FOOT OVER EXCAVATION UNDER E. RICHLAND STREET PAVING RE-CONSTRUCTION. SEE 'B' SHEETS FOR TYPICAL ROADWAY SECTIONS. THIS IS FULL COMPENSATION FOR THE EXCAVATION REQUIRED FOR THE RE-CONSTRUCTION OF E. RICHLAND STREET PAVING, BACKFILLING EARTH BEHIND EDGE OF PAVING, OPEN DITCH GRADING AND RE-SHAPING OF ROADWAY DITCHES AND SLOPES.
2	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD
		REMOVE AND SALVAGE A MINIMUM OF 9" TOPSOIL MATERIAL, HAUL TO DESIGNATED EXCESS MATERIAL AND STOCKPILE SITE. SPREAD TOPSOIL TO A MINIMUM OF 6" WHERE EVER SEEDING IS TO BE PLACED ACCORDING TO THE PLANS. ALL EXCESS TOPSOIL MATERIAL WILL REMAIN THE PROPERTY OF THE OWNER AND REMAIN AT THE EXCESS MATERIALS SITE.
3	2107-0875000	COMPACTION W/MOISTURE AND DENSITY CONTROL
		THIS QUANTITY IS THE APPROVED BORROW MATERIAL (NOT INCLUDING A FILL FACTOR), FOR THE 3 FOOT OVER EXCAVATION UNDER E. RICHLAND STREET PAVING RE-CONSTRUCTION. SEE 'B' SHEETS FOR TYPICAL ROADWAY SECTIONS.
4	2115-0100000	MODIFIED SUBBASE
		SEE TABULATIONS ON SHEETS C.06 (PCC PAVEMENT) AND C.12 (PAVED DRIVES).
5	2121-7425010	GRANULAR SHOULDER, TYPE A
		THIS IS MATERIAL TO BE USED ON E. RICHLAND STREET BETWEEN STATION 5+75 AND STATION 9+77.52. SURFACE PREPARATION SHALL BE SHOULDER CONSTRUCTION METHOD. SEE TABULATION ON SHEET C.11 (SHOULDERS).
6	2123-7450000	SHOULDER CONSTRUCTION, EARTH
		SEE TABULATION SHEET NO. C.11
7	2128-0000120	FURNISH AND APPLY GRANULAR SHOULDER MATERIAL
		THIS IS FOR SHOULDERS ON E. RICHLAND STREET BETWEEN EXPANSION BLVD. AND RADIO ROAD TO REPAIR EXISTING SHOULDERS.
8	2301-1033080	STD/S-F PCC PAV'T, CL C, CL 3, 8"
		CERTIFIED PLANT INSPECTION WILL BE REQUIRED DURING ALL PAVING OPERATIONS. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. CORING REQUIREMENTS FOR THICKNESS AND ASSOCIATED PAYMENT SCHEDULE, STANDARD SPECIFICATION SECTIONS 2301.01.A.2 - ITEMS A AND B AND SECTION 2301.05, A, 2 - TABLE 2301.05-1 SHALL NOT APPLY. ITEMS SHALL INCLUDE QUANTITIES FOR INTEGRAL CURB AND GUTTER SECTION. PCC COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000 PSI AT 28 DAYS. SEE TABULATION ON SHEET C.06.
9	2315-8275025	SURFACE, DRIVEWAY, CLASS 'A' CRUSHED STONE
		ITEM SHALL BE USED TO BRING EXISTING GRAVEL DRIVEWAYS AND STREETS UP TO THE NEW PCC PAVEMENT.
10	2401-6745650	REMOVAL OF EXISTING STRUCTURE
		SEE TABULATION ON SHEET NO. C.10
11	2402-2720100	EXCAVATION, CL 20, ROADWAY PIPE CULVERT
		SEE TABULATION ON SHEET C.07
12	2416-0100018	APRON, CONC, 18"
		SEE TABULATIONS ON SHEET C.08 (STORM SEWER STRUCTURES).
13	2416-0100024	APRON, CONC, 24"
		SEE TABULATIONS ON SHEET C.08 (STORM SEWER STRUCTURES).
14	2416-0100030	APRON, CONC, 30"
		SEE TABULATIONS ON SHEET C.08 (STORM SEWER STRUCTURES).
15	2416-0100042	APRON, CONC, 42"
		SEE TABULATIONS ON SHEET C.08 (STORM SEWER STRUCTURES).
16	2416-0102224	APRON, LOW CLEARANCE CONC, EQUIV DIA 24"
		SEE TABULATIONS ON SHEET C.08 (STORM SEWER STRUCTURES).
17	2416-1170018	CULV, 3000D CONC ENT PIPE, 18"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. SEE TABULATIONS ON SHEET C.08 (STORM SEWER PIPE).
18	2416-1170024	CULV, 3000D CONC ENT PIPE, 24"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. SEE TABULATIONS ON SHEET C.08 (STORM SEWER PIPE).
19	2416-1170030	CULV, 3000D CONC ENT PIPE, 30"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. SEE TABULATIONS ON SHEET C.08 (STORM SEWER PIPE).
20	2416-1202224	CULV,3000D LOW CLR ROADWAY PIPE, EQ DIA 24"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. SEE TABULATIONS ON SHEET C.08 (STORM SEWER PIPE).
21	2416-1240024	CULV, 3000D CONC ROADWAY PIPE, 24"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. SEE TABULATIONS ON SHEET C.08 (STORM SEWER PIPE).
22	2435-0130148	MANHOLE, SAN SEWER, SW-301, 18"
		REFER TO 'MSA' SHEET FOR SANITARY SEWER MANHOLE LOCATIONS AND ELEVATIONS. MANHOLE SHALL INCLUDE INTEGRAL BASE SECTION WITH CONCENTRIC PRECAST TOP. IN LIEU OF JOINT SEALANT, ALL JOINTS SHALL BE RUBBER GASKETED TONGUE AND GROOVE. ALL PIPE OPENINGS SHALL HAVE INTEGRAL CAST WATER TIGHT SEAL. MANHOLE CASTING SHALL BE SW-601, TYPE 'B' CASTING AND READ "SANITARY SEWER," FURNISHED AND INSTALLED AS PART OF THIS PAY ITEM. PROVIDE I&I BARRIER CHIMNEY SEAL BY STRIKE PRODUCTS OR APPROVED EQUAL, FURNISHED AND INSTALLED AS PART OF THIS PAY ITEM. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C0.12.
23	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60"
		REFER TO 'M' SHEETS FOR STORM SEWER MANHOLE LOCATIONS AND ELEVATIONS. MANHOLE CASTING SHALL BE SW-602, TYPE 'F' CASTING AND READ "STORM SEWER" FURNISH AND INSTALLED AS PART OF THIS PAY ITEM. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C.08.

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Item No.	Item Code	Description
24	2435-0140184	MANHOLE, STORM SEWER, SW-401, 84"
		REFER TO 'M' SHEETS FOR STORM SEWER MANHOLE LOCATIONS AND ELEVATIONS. MANHOLE CASTING SHALL BE SW-602, TYPE 'F' CASTING AND READ "STORM SEWER" FURNISH AND INSTALLED AS PART OF THIS PAY ITEM. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C.08.
25	2435-0250500	INTAKE, SW-505
		REFER TO 'M' SHEETS FOR STORM SEWER INTAKE LOCATIONS AND ELEVATIONS. MANHOLE CASTING SHALL BE SW-603, TYPE 'R' CASTINGS, FURNISH AND INSTALLED AS PART OF THIS PAY ITEM. ANY ADJUSTING RINGS SHALL BE CONCRETE. SEE TABULATION ON SHEET C.08.
26	2435-0600010	MANHOLE ADJUSTMENT, MINOR
		THIS IS FULL COMPENSATION FOR MATERIALS, LABOR AND EQUIPMENT TO ADJUST THE SANITARY MANHOLE CASTING AT THE INTERSECTION OF RAY STREET AND E. RICHLAND STREET. MANHOLE CASTING SHALL BE SW-601, TYPE 'B' CASTING AND READ "SANITARY SEWER" FURNISH AND INSTALLED AS PART OF THIS PAY ITEM. PROVIDE I&I BARRIER CHIMNEY SEAL BY STRIKE PRODUCTS OR APPROVED EQUAL, FURNISHED AND INSTALLED AS PART OF THIS PAY ITEM. SEE 'MSA' SHEET AND TABULATION ON SHEET C.09 ' ADJUSTMENT OF FIXTURES'.
27	2435-0700010	CONNECTION TO EXIST MANHOLE
		REFER TO SHEET M.04 FOR LOCATIONS AND ELEVATIONS OF EXISTING STORM MANHOLES 1 AND 2 SHOWING STORM SEWER PIPE CONNECTIONS. THIS ITEM IS FULL COMPENSATION FOR ALL THAT WORK NECESSARY FOR A WATER TIGHT CONNECTION OF THE NEW STORM SEWER PIPES TO EXISTING MANHOLE.
28	2502-8212206	SUBDRAIN, PERFORATED PLASTIC PIPE, 6"
		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.09.
29	2502-8221006	SUBDRAIN RISER, 6"
		METHOD OF MEASUREMENT SHALL BE EACH SUBDRAIN CLEANOUT COMPLETED AS PER DETAIL WILL BE COUNTED. THIS WILL BE FULL COMPENSATION FOR ALL EQUIPMENT, LABOR, PIPE, BENDS, CASTING WITH CONCRETE COLLAR AND POROUS BACKFILL FOR THE SUBDRAIN CLEANOUT FROM END OF RUN AS DETAILED ON SHEET B.01. POROUS BACKFILL SHALL MEET IOWA DOT GRADATION NUMBER 5. SEE TABULATION ON SHEET C.09.
30	2502-8221303	SUBDRAIN OUTLET, DR-303
		THIS ITEM IS FOR THE SUBDRAIN CONNECTIONS TO INTAKES 1, 2, 3, 4, AND EXISTING STORM MANHOLE, REFER TO SHEET M.06 AND M.07. THIS ITEM IS FULL COMPENSATION FOR ALL THAT WORK NECESSARY FOR A WATER TIGHT CONNECTION OF THE SUBDRAIN CONNECTIONS TO INTAKES. SEE DR-303, INTAKE OUTLET DETAIL. PIPE MATERIAL SHALL BE 6" SOLID WALL PVC. SEE TABULATION ON SHEET C.09.
31	2503-0110018	STORM SEWER GRAVITY MAIN, TRENCHED, 18"
		JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 GASKETS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I. SEE TABULATION ON SHEET C.08.
32	2503-0110024	STORM SEWER GRAVITY MAIN, TRENCHED, 24"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 GASKETS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I. SEE TABULATION ON SHEET C.08.
33	2503-0110030	STORM SEWER GRAVITY MAIN, TRENCHED, 30"
		JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 GASKETS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I. SEE TABULATION ON SHEET C.08.
34	2503-0110036	STORM SEWER GRAVITY MAIN, TRENCHED, 36"
		JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 GASKETS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I. SEE TABULATION ON SHEET C.08.
35	2503-0110042	STORM SEWER GRAVITY MAIN, TRENCHED, 42"
		BID QUANTITY LENGTH DOES NOT INCLUDE APRON LENGTHS. JOINTS SHALL MEET THE REQUIREMENTS OF ASTM C-443 GASKETS. PIPE BEDDING SHALL CONFORM WITH IOWA DOT SW-102, CLASS R-2. BEDDING MATERIAL SHALL BE CLASS I. SEE TABULATION ON SHEET C.08.
36	2503-0200036	REMOVE STORM SEWER PIPE LESS 36"
		REFER TO 'R' SHEETS FOR LOCATIONS OF STORM SEWER REMOVAL LOCATIONS. 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.10.
37	2504-0114008	SAN SEWER GRAVITY MAIN, TRENCHED, PVC, 8"
		REFER TO 'MSA' SHEETS FOR LOCATIONS AND ELEVATIONS OF SANITARY SEWER. 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. SEE TABULATION ON SHEET C.12.
38	2504-0114024	SAN SEWER GRAVITY MAIN, TRENCHED, PVC, 24"
		REFER TO 'MSA' SHEETS FOR LOCATIONS AND ELEVATIONS OF SANITARY SEWER. 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. SEE TABULATION ON SHEET C.12.
39	2504-0200406	SAN SEWER SERVICE STUB, PVC, 6"
		REFER TO 'MSA' SHEETS FOR LOCATIONS AND ELEVATIONS OF SANITARY SEWER 6" SERVICES. 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. SEE TABULATION ON SHEET C.12.
40	2504-0240036	REMOVE SAN SEWER PIPE LESS 36"
		SEE TABULATION ON SHEET C.10.
41	2507-3250005	ENGINEERING FABRIC
		THIS IS FOR PLACEMENT UNDER THE CLASS 'E' REVETMENT
42	2507-6800061	REVETMENT, CLASS E
		REFER TO SHEET RC.05 FOR LOCATION OF THIS ITEM AT THE OUTLET OF 42" STORM SEWER. EXCAVATE FOR PLACEMENT 18" IN DEPTH AND WASTE MATERIAL, PLACE ENGINEERING FABRIC BEFORE REVEMENT AND THIS SHALL BE FULL COMPENSATION FOR PAYMENT UNDER THIS ITEM. PLACE CLASS 'E' REVETMENT MEETING THE REQUIREMENTS OF IOWA DOT SECTION 4130, REVETMENT GRADATION CLASS 'E'.

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ESTIMATE REFERENCE INFORMATION		
This Data Entry Sheet fills Tab 100-4A effective 10-29-02		
Item No.	Item Code	Description
43	2510-6745850	REMOVAL OF PAVEMENT
		EXISTING PAVEMENT THICKNESS VARIES BETWEEN 6 AND 9 INCHES OF PCC PAVEMENT. ALL REMOVALS TO BE MARKED AND MEASURED BY ENGINEER. FULL DEPTH SAWCUTS ALONG THE REMOVAL LIMITS ARE INCIDENTAL TO THIS ITEM. ADDITIONAL REMOVAL DUE TO DAMAGE FROM CONSTRUCTION TO BE DETERMINED BY ENGINEER. PAYMENT SHALL BE MADE FOR THE AREA OF PAVEMENT REMOVED REGARDLESS OF ACTUAL THICKNESS. CONTRACTOR HAS THE OPTION TO HAUL PAVEMENT MATERIAL TO EXCESS MATERIAL SITE AS A TEMPORARY CRUSHING LOCATION. IF NOT CRUSHING, THEN MATERIAL SHOULD BE HAULED TO A DISPOSAL SITE OBTAINED BY THE CONTRACTOR. REFER TO 'R' SHEETS FOR REMOVAL LOCATIONS AND TABULATION ON SHEET C.10.
44	2515-2475008	DRIVEWAY, PCC, 8"
		REFER TO 'D' SHEETS FOR DRIVEWAY LOCATIONS. CERTIFIED PLANT INSPECTION WILL BE REQUIRED DURING ALL PAVING OPERATIONS. GGBFS (SLAG) IS NOT PERMITTED FOR ANY WORK ON THIS PROJECT. PCC COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000 PSI AT 28 DAYS. SEE TABULATION ON SHEET C.12.
45	2515-6745600	REMOVAL OF PAVED DRIVEWAY
		ALL REMOVALS TO MARKED AND MEASURED BY ENGINEER. ADDITIONAL REMOVAL TO BE DETERMINED BY ENGINEER. PAYMENT SHALL BE MADE FOR THE AREA OF PAVEMENT REMOVED. PAVEMENT THICKNESS ASSUMED TO BE 6 INCHES. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL MATERIALS AT AN OFFSITE WASTE AREA. REFER TO 'R' SHEETS FOR REMOVAL LOCATIONS AND TABULATION ON SHEET C.10.
46	2524-6765010	REMOVE AND REINSTALL SIGN
		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. MEASUREMENT WILL BE MADE FOR EACH SIGN SALVAGED AND REINSTALLED. PAYMENT WILL BE MADE UPON REINSTALLATION. SEE TABULATION ON SHEET C.11.
47	2528-2518000	SAFETY CLOSURE
		SEE "J" SHEETS FOR LOCATIONS. SEE TABULATION ON SHEET J.03.
48	2528-8445110	TRAFFIC CONTROL
		REFER TO 'J' SHEETS FOR DETOUR, TRAFFIC CONTROL AND STAGING. 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. 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	2528-8445113	FLAGGER
		REFER TO 'J' SHEETS FOR DETOUR, TRAFFIC CONTROL AND STAGING.
50	2529-5070110	PATCH, FULL-DEPTH FINISH, BY AREA
		EXISTING PAVEMENT IS PCC AND ESTIMATED THICKNESS IS BETWEEN 7 TO 9 INCHES. REFER TO 'D' SHEETS FOR LOCATIONS, 'J' SHEETS FOR TRAFFIC CONTROL AND TABULATION SHEET C.07.
51	2529-5070111	PATCH,FULL-DEPTH FINISH,BY AREA(=>50 FT)
		EXISTING PAVEMENT IS PCC AND ESTIMATED THICKNESS IS BETWEEN 7 TO 9 INCHES. REFER TO 'D' SHEETS FOR LOCATIONS, 'J' SHEETS FOR TRAFFIC CONTROL AND TABULATION SHEET C.07.
52	2529-5070120	PATCH, FULL-DEPTH FINISH, BY COUNT
		REFER TO 'D' SHEETS FOR LOCATIONS, 'J' SHEETS FOR TRAFFIC CONTROL AND TABULATION SHEET C.07.
53	2529-8202000	RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)
		REFER TO SHEET D.03 FOR LOCATION.
54	2530-5070210	PATCH, PARTIAL-DEPTH PCC FINISH
		REFER TO 'D' SHEETS FOR LOCATIONS, 'J' SHEETS FOR TRAFFIC CONTROL AND TABULATION SHEET C.07.
55	2530-5070240	PARTIAL DEPTH PCC JNT AND CRACK REPAIR PATCH
		REFER TO 'D' SHEETS FOR LOCATIONS, 'J' SHEETS FOR TRAFFIC CONTROL AND TABULATION SHEET C.07.
56	2533-4980005	MOBILIZATION
		THIS ITEM SHALL ALSO INCLUDE THE COSTS FOR ANY STAGED CONSTRUCTION, AND EQUIPMENT SET UP AND STOCKPILE/DISPOSAL SITE PREPARATION AND CLEANUP TO COMPLETE WORK. NO CHANGE IN THE CONTRACT PRICE WILL BE MADE FOR ANY CHANGE IN STAGING OR COMBINATION THEREOF.
57	2537-8900000	REMEDIATION OF PETRO CONTAMINATED SOIL
		THE LOCATION IS ASSUMED TO BE ON E. RICHLAND STREET BETWEEN STA. 0+50 AND STA. 7+00. THIS SHALL BE FULL COMPENSATION FOR REMOVAL, TRANSPORT AND COVERING OF CONTAMINATED MATERIAL AT A TEMPORARY STOCKPILE SITE, REPRESENTATIVE TESTING OF THE MATERIAL, AND TRANSPORTING APPROVED MATERIAL TO A SOLID WASTE LANDFILL SITE (CARROLL COUNTY SOLID WASTE MANAGEMENT, CARROLL, IA) OR TO TRANSPORT, SPREAD, AND TURN CONTAMINATED SOIL AT REMEDIATION AREAS OBTAINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. REFER TO IOWA DOT SECTION 2537.
58	2537-8900100	SAMPLE AND TEST-PETRO CONTAMINATED (REMEDIATION)
		THE LOCATION IS ASSUMED TO BE ON E. RICHLAND STREET BETWEEN STA. 0+50 AND STA. 7+00. SAMPLING AND ENVIRONMENTAL SITE WORK SHALL BE SUPERVISED BY A GROUNDWATER PROFESSIONAL CERTIFIED BY THE IOWA DNR IN ACCORDANCE WITH 567 IAC, 134 AND ANALYSIS OF SAMPLES IS PERFORMED BY A LABORATORY CERTIFIED BY IOWA DNR PURSANT TO 567 IAC, 83. TEST RESULTS SHALL BE PROVIDED TO THE SOLID WASTE MANAGEMENT FACILITY AND THE ENGINEER FOR APPROVAL OF THE MATERIAL PRIOR TO DELIVERY IF TAKEN TO A SOLID WASTE FACILITY.
59	2549-0041060	BYPASS PUMPING, SEWAGE
		THIS SHALL BE FULL COMPENSATION FOR MATERIALS, LABOR AND EQUIPMENT REQUIRED TO MAINTAIN SANITARY SEWER BYPASS FLOWS DURING THE REPLACEMENT OF THE EXISTING SANITARY SEWER MAIN AND SERVICES ON EXPANSION BLVD. COORDINATE WITH THE CITY OF STORM LAKE, WASTE WATER DEPARTMENT.

ESTIMATE REFERENCE INFORMATION		
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Item No.	Item Code	Description
60	2554-0112006	WATER MAIN, TRENCHED, DIP, 6"
		PIPE BEDDING CLASS SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-104. CLASS P-1 SUITABLE BACKFILL MATERIAL WITH PIPE ENCASED WITH POLYETHYLENE WRAP TUBES. 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.12.
61	2554-0112008	WATER MAIN, TRENCHED, DIP, 8"
		PIPE BEDDING CLASS SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-104. CLASS P-1 SUITABLE BACKFILL MATERIAL WITH PIPE ENCASED WITH POLYETHYLENE WRAP TUBES. 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.12.
62	2554-0112012	WATER MAIN, TRENCHED, DIP, 12"
		PIPE BEDDING CLASS SHALL CONFORM WITH IOWA DOT STANDARD PLATE SW-104. CLASS P-1 SUITABLE BACKFILL MATERIAL WITH PIPE ENCASED WITH POLYETHYLENE WRAP TUBES. 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.12.
63	2554-0203000	FITTINGS BY WEIGHT, DI
		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.12.
64	2554-0204120	WATER SERVICE STUB, COPPER, 2"
		REFER TO MWM SHEETS FOR LOCATIONS, ELEVATIONS AND CONSTRUCTION NOTES. PIPE MATERIAL SHALL BE TYPE 'k' COPPER. SEE TABULATION ON SHEET C.12. ALL WATER SERVICES SCHEDULED FOR REPLACEMENT SHALL BE PROVIDED WITH A WATER SERVICE PIPE FROM THE NEW CORPORATION STOP AT THE NEW MAIN TO THE NEW CURB STOP LOCATION AT THE PROPERTY LINE AND THEN TO THE EXISTING SERVICE PIPE. REMOVAL OF EXISTING SERVICE LINE AND CURB STOP SHALL BE INCIDENTAL TO THIS ITEM. CONTRACTOR TO VERIFY SERVICE LOCATIONS AND CONNECTIONS WITH THE CITY. FURNISHING AND PLACEMENT OF ELBOWS, BENDS, TEES, BEDDING AND BACKFILL MATERIALS SHALL BE DEEMED INCIDENTAL TO THIS ITEM. NO COUPLINGS WILL BE ALLOWED ON SERVICE PIPE BETWEEN MAIN AND CURB STOP. ALL FITTINGS FOR THE SERVICE SHALL BE COMPRESSION STYLE.
65	2554-0205720	WATER SERVICE CURB STOP & BOX, COPPER, 2"
		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.12.
66	2554-0207006	VALVE, GATE, DIP, 6"
		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.12.
67	2554-0207012	VALVE, GATE, DIP, 12"
		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.12.
68	2554-0208006	TAPPING VALVE ASSEMBLY, 6"
		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.12.
69	2554-0208012	TAPPING VALVE ASSEMBLY, 12"
		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.12.
70	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201
		ALL FITTINGS, JOINTS, GATE VALVES, AND 6" DI PIPE NECESSARY TO INSTALL HYDRANT SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. HYDRANTS SHALL BE MUELLER SUPER CENTURION 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.12.

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ESTIMATE REFERENCE INFORMATION		
This Data Entry Sheet fills Tab 100-4A effective 10-29-02		
Item No.	Item Code	Description
71	2554-0211006	FLUSHING DEVICE, TEMPORARY, (BLOWOFF), 6"
		THIS SHALL BE FULL COMPENSATION FOR INSTALLATION AND REMOVAL OF THIS ITEM FOR WATER MAIN TESTING. REMOVAL SHALL BE ONLY WHEN WATER MAIN SEGMENT UNDER TESTING HAS PASSED ALL QUALITY ASSURANCE.
72	2554-0214000	FIRE HYDRANT ADJUSTMENT
		REFER TO 'MWM' SHEETS FOR LOCATIONS AND TABULATION ON SHEET C.09 AND C.12 FOR THE EXISTING FIRE HYDRANT ADJUSTMENTS. THIS SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO MAKE FINISH ELEVATION ADJUSTMENTS.
73	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIAL
		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.11.
74	2599-9999005	CONNECT TO EXISTING SANITARY SEWER
		CONNECTIONS TO EXISTING PIPE TO BE ACCOMPLISHED WITH COUPLER COMPLYING TO CCSA B602, ASTM D5926, AND ASTM C1173. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ITEM SHALL BE FOR BOTH THE CONNECTION TO EXISTING SERVICE 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.
75	2599-9999005	CONNECT TO EXISTING STORM SEWER
		METHOD OF MEASUREMENT SHALL BE EACH CONNECTION AS COMPLETED AND PAID AT THE CONTRACT UNIT PRICE. 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 ON SHEET NO. B.03, NEW STORM SEWER TO EXISTING STORM STRUCTURES OR NEW STORM SEWER STRUCTURES TO EXISTING STORM SEWER PIPES AND SUBDRAINS TO EXISTING STORM SEWER STRUCTURES. ANY EXISTING PIPE REMOVED AND REPLACED FOR THE INSTALLATION OF A STORM SEWER STRUCTURE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM. SEE SHEET NUMBERS M.02, M.04, M.06 AND M.07, LOCATIONS AS NOTED.
76	2599-9999005	CONNECT TO EXISTING WATER MAIN
		METHOD OF MEASUREMENT SHALL BE EACH CONNECTION AS COMPLETED AND PAID AT THE CONTRACT UNIT PRICE. 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.12.
77	2599-9999005	MANHOLE, WATER MAIN AIR RELEASE
		METHOD OF MEASUREMENT SHALL BE EACH WATER MAIN MANHOLE W/AIR RELEASE COMPLETED AS PER DETAIL WILL BE COUNTED. THIS WILL BE FULL COMPENSATION FOR ALL EQUIPMENT, LABOR, MANHOLE, PIPE, BENDS, AIR RELEASE VALVE, VALVE SUPPORT AND CONNECTIONS, CASTING, ADJUSTING RINGS, BEDDING MATERIAL AS DETAILED. SEE WATER MAIN MANHOLE W/AIR RELEASE VALVE DETAIL ON SHEET B.03.
78	2599-9999005	SALVAGE FIRE HYDRANT
		METHOD OF MEASUREMENT SHALL BE EACH SALVAGED EXISTING FIRE HYDRANT IN WORKING CONDITION RETURNED TO CITY OF STORM LAKE WATER DEPARTMENT. PAYMENT SHALL BE PER EACH HYDRANT DELIVERED TO THE CITY. SEE TABULATION ON SHEET C.10.
79	2599-9999005	TILE REPAIR <12"
		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 EACH 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 MEASURE EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH COMPLETED REPAIR.
80	2599-9999005	TILE REPAIR 12"-24"
		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 EACH PIPE REPAIR BETWEEN 12" AND UP TO 24" IN NOMINAL DIAMETER. CONNECTIONS TO EXISTING SHALL BE MADE USING NO SHEAR RUBBER BOOT CONNECTORS WITH STAINLESS STEEL SHEAR BANDS AND STRAPS. ENGINEER SHALL MEASURE EACH REPAIR AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER EACH COMPLETED REPAIR.
81	2599-9999007	EXPLORATORY EXCAVATION, GENERAL
		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. ENGINEER SHALL COUNT EACH HOUR OF EXCAVATION ONLY AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR. TIME FOR EXCAVATION IS PAID, TIME FOR BACKFILL OPERATIONS IS INCIDENTAL TO ITEM.
82	2599-9999007	EXPLORATORY EXCAVATION, VAC TRUCK
		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 VACUUM TYPE EQUIPMENT TO PERFORM THE EXCAVATION UNLESS SPECIFICALLY DIRECTED AND AGREED TO BY THE ENGINEER. ENGINEER SHALL COUNT EACH HOUR OF VACUUM TYPE EQUIPMENT TO PERFORM THE EXCAVATION AND ITEM SHALL BE PAID AT THE CONTRACT UNIT PRICE PER HOUR. ALL LOCATIONS SHALL BE BACKFILLED WITH MATERIAL IF THEY WILL NOT BE DISTURBED BY OTHER OPERATIONS.
83	2599-9999009	WATER MAIN REMOVAL OR ABANDONMENT
		CONTRACTOR SHALL EITHER REMOVE OR ABANDON WATER MAIN IN PLACE AND IS INCIDENTAL TO THE EXCAVATION. 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 MARKED 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. SEE TABULATION SHEET C.10.

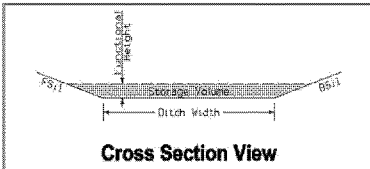
ESTIMATE REFERENCE INFORMATION		
This Data Entry Sheet fills Tab 100-4A effective 10-29-02		
Item No.	Item Code	Description
84	2599-9999010	TEMPORARY WATER
		CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL PROPERTIES IN THE PROJECT AREA. CONTRACTOR MAY TEMPORARILY INTERRUPT WATER SERVICE FOR A MAXIMUM OF 2 HOURS TO ANY PROPERTY WITHIN A 24 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 MAINTAINED 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.
85	2599-9999018	POLYSTYRENE INSULATION, 4"
		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.
86	2601-2636043	SEED AND FERTILIZE (RURAL)
		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 RURAL TYPE SEED MIX AND RATES.
87	2601-2636044	SEED AND FERTILIZE (URBAN)
		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.
88	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR
		ITEM SHALL BE PLACED OVER ALL AREAS MARKED FOR SEED AND FERTILIZE (URBAN AND RURAL) AFTER SEEDING AND FERTILIZATION HAS BEEN COMPLETED. MECHANICALLY FASTEN PRODUCT ACCORDING TO MANUFACTURE RECOMENDATIONS. MEASUREMENT WILL BE BY THE SQUARE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE. SEE TABULATION SHEET C.05.
89	2601-2640350	SPECIAL DITCH CONTROL,WOOD EXCELSIOR MAT
		ITEM SHALL BE PLACED OVER ALL AREAS MARKED FOR SEED AND FERTILIZE (URBAN AND RURAL) AFTER SEEDING AND FERTILIZATION HAS BEEN COMPLETED. MECHANICALLY FASTEN PRODUCT ACCORDING TO MANUFACTURE RECOMENDATIONS. MEASUREMENT WILL BE BY THE SQUARE INSTALLED. PAYMENT WILL BE AT THE UNIT PRICE PER SQUARE. SEE TABULATION SHEET C.05.
90	2602-0000020	SILT FENCE
		REFER TO 'RC' SHEETS FOR LOCATIONS OF SILT FENCE AND TABULATIONS ON SHEET C.05.
91	2602-0000030	SILT FENCE-DITCH CHECKS
		REFER TO 'RC' SHEETS FOR LOCATIONS OF SILT FENCE DITHC CHECKS AND TABULATIONS ON SHEET C.05.
92	2602-0000071	REMOVAL OF SILT FENCE/SILT FENCE-DITCH CHECK
93	2602-0000101	MAINT OF SILT FENCE/SILT FENCE-DITCH CHECK
94	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303
		REFER TO 'RC' SHEETS FOR LOCATIONS OF STABILIZED CONSTRUCTION ENTRANCES.
95	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9"
		REFER TO 'RC' SHEETS FOR LOCATIONS. THIS ITEM WILL BE FULL COMPENSATION FOR INLET PERIMETER PROTECTION ON APRONS AND AREA INTAKES OR OTHER AREAS AS REQUIRED BY ENGINEER. LEAVE IN PLACE AND ALLOW TO DEGRADE, REMOVAL NOT REQUIRED. SEE SHEET C.05 FOR TABULATION.
96	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG
		SW-505 INTAKES SHALL BE PAID PER INTAKE CASTING (2 EACH). SEE TABULATION ON SHEET C.06. MEASUREMENT SHALL BE EACH COUNT OF FILTER BAG INSTALLED AND PAYMENT AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG.
97	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG
		SEE TABULATION ON SHEET C.06. MEASUREMENT SHALL BE EACH COUNT OF FILTER BAG FOR MAINTENANCE AND PAYMENT AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG INSTALLED AND ACTIVELY MAINTAINED.
98	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG
		SEE TABULATION ON SHEET C.06. MEASUREMENT SHALL BE EACH COUNT OF FILTER BAG REMOVED AND PAYMENT AT THE CONTRACT UNIT PRICE PER EACH FILTER BAG REMOVED.
99	2602-0010010	MOBILIZATION, EROSION CONTROL

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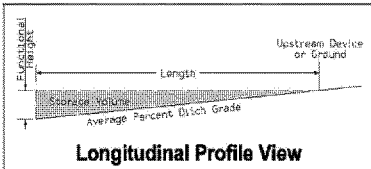
ROLLED EROSION CONTROL													
Refer to EC-101, EC-103, and EC-104.													
This Data Entry Sheet fills Tab 100-22 effective 04-21-15													
Location				L	W	Number of Squares	Turf Reinforcement Mat (TRM) (EC-104)				Slope Protection (EC-103)	Special Ditch Control (EC-101)	Remarks
Road Identification	Begin Station	End Station	Side				Type 1	Type 2	Type 3	Type 4			
				FT	FT		Squares	Squares	Squares	Squares	Squares	Squares	
OPEN DITCH	301+43.63	307+01.71	C	558.0	10.0	56						56.0	
OPEN DITCH	301+43.63	307+23.25	LT								139		
OPEN DITCH	301+43.63	307+23.25	RT								91		
E. RICHLAND STREET - STAGE 1 & 2	0+50	0+79	RT								3		
E. RICHLAND STREET - STAGE 1 & 2	1+53	3+62	RT								30		
E. RICHLAND STREET - STAGE 1 & 2	4+03	8+91	RT								116		
E. RICHLAND STREET - STAGE 1 & 2	5+45	8+14	RT									31	
E. RICHLAND STREET - STAGE 1 & 2	4+00	8+16	LT								95		
E. RICHLAND STREET - STAGE 1 & 2	4+82	7+98	LT									37	
E. RICHLAND STREET - STAGE 2 & 3	9+15	11+60	RT								50		
E. RICHLAND STREET - STAGE 2 & 3	9+58	11+45	RT									19	
E. RICHLAND STREET - STAGE 2 & 3	11+78	14+05	RT								53		
E. RICHLAND STREET - STAGE 2 & 3	13+00	13+82	RT									8	
E. RICHLAND STREET - STAGE 2 & 3	14+39	26+37	RT								165		
E. RICHLAND STREET - STAGE 2 & 3	14+58	26+32	RT									117	
E. RICHLAND STREET - STAGE 2 & 3	8+53	11+60	LT								59		
E. RICHLAND STREET - STAGE 2 & 3	8+53	11+41	LT									31	
E. RICHLAND STREET - STAGE 2 & 3	11+97	12+86	LT								22		
E. RICHLAND STREET - STAGE 2 & 3	12+27	12+71	LT									4	
E. RICHLAND STREET - STAGE 2 & 3	13+22	14+13	LT								23		
E. RICHLAND STREET - STAGE 2 & 3	13+47	13+95	LT									5	
E. RICHLAND STREET - STAGE 2 & 3	14+54	15+24	LT								15		
E. RICHLAND STREET - STAGE 2 & 3	14+71	14+956	LT									2	
E. RICHLAND STREET - STAGE 2 & 3	15+61	17+87	LT								42		
E. RICHLAND STREET - STAGE 2 & 3	15+83	17+62	LT									18	
E. RICHLAND STREET - STAGE 2 & 3	18+32	19+21	LT								17		
E. RICHLAND STREET - STAGE 2 & 3	18+55	18+97	LT									4	
E. RICHLAND STREET - STAGE 2 & 3	19+54	20+77	LT								25		
E. RICHLAND STREET - STAGE 2 & 3	19+73	20+55	LT									8	
E. RICHLAND STREET - STAGE 2 & 3	21+22	24+05	LT								44		
E. RICHLAND STREET - STAGE 2 & 3	21+39	23+85	LT									25	
E. RICHLAND STREET - STAGE 2 & 3	24+45	26+40	LT								26		
E. RICHLAND STREET - STAGE 2 & 3	24+60	26+40	LT									18	
										TOTALS	1015	384	

SILT FENCES FOR DITCH CHECKS

Possible Standard: EC-201



Cross Section View



Longitudinal Profile View

* The functional height used in the volume equation is 85% of effective height. Effective height is 1.58 feet as shown on EC-201.

* Volume equation: [0.5*Spacing*(0.5*H*FS+DW*H+0.5*H*BS)]

This Data Entry Sheet fills Tab 100-18 effective 10-16-18

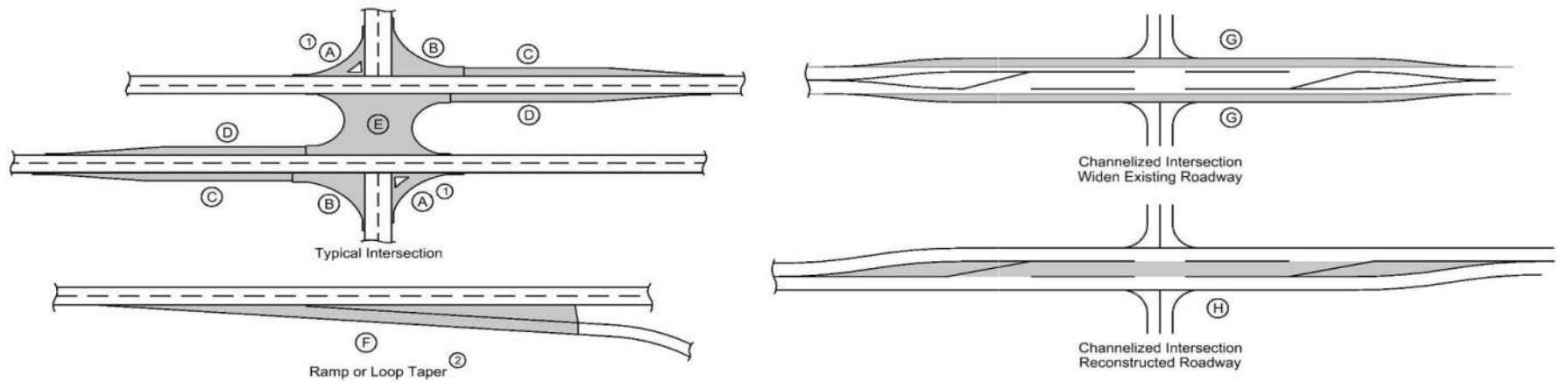
Basin No.	Type	Location		Bid Items			Stormwater Storage Volume Summary								Subtotal	Remarks
		Station	Side	Installation LF	Maintenance LF	Removal LF	Foreslope FS:1	Backslope BS:1	Ditch Width FT	Avg.% Slope Ditch Grade	Spacing	Down Stream	Volume* CF			
	1	7+83.61	LT	25.0	25.0	25.0	4.9	3.0	4.0	1.5%	100.0	12.5		E. RICHLAND ST. ALIGNMENT		
	1	6+81.36	LT	25.0	25.0	25.0	5.6	3.0	4.0	1.5%	100.0	13.1		E. RICHLAND ST. ALIGNMENT		
	1	5+81.02	LT	25.0	25.0	25.0	3.4	3.0	4.0	1.5%	100.0	11.1		E. RICHLAND ST. ALIGNMENT		
	1	4+90.41	LT	25.0	25.0	25.0	4.9	3.0	4.0	0.8%	155.0	12.5		E. RICHLAND ST. ALIGNMENT		
	1	7+92.73	RT	25.0	25.0	25.0	6.6	3.0	4.0	3.3%	45.0	14.0		E. RICHLAND ST. ALIGNMENT		
	1	7+47.70	RT	25.0	25.0	25.0	6.0	3.0	4.0	1.3%	100.0	13.5		E. RICHLAND ST. ALIGNMENT		
	1	6+47.70	RT	25.0	25.0	25.0	6.0	3.0	4.0	1.4%	100.0	13.5		E. RICHLAND ST. ALIGNMENT		
	1	306+80.98	CL	45.0	45.0	45.0	4.0	4.0	4.0	0.1%	315.0	12.6		OPEN DITCH		
	1	303+79.12	CL	45.0	45.0	45.0	4.0	4.0	4.0	0.1%	315.0	12.6		OPEN DITCH		
	1	9+28.68	LT	25.0	25.0	25.0	6.8	3.0	4.0	1.0%	155.0	14.2		E. RICHLAND ST. ALIGNMENT		
	1	10+83.61	LT	25.0	25.0	25.0	4.5	3.0	4.0	1.0%	155.0	12.1		E. RICHLAND ST. ALIGNMENT		
	3	16+12.63	LT	25.0	25.0	25.0	25.6	3.0	4.0	0.3%	315.0	31.2		E. RICHLAND ST. ALIGNMENT		
	3	21+55.35	LT	25.0	25.0	25.0	18.4	3.0	4.0	0.7%	155.0	24.7		E. RICHLAND ST. ALIGNMENT		
	3	26+27.70	LT	25.0	25.0	25.0	24.3	3.0	4.0	0.7%	155.0	29.9		E. RICHLAND ST. ALIGNMENT		
	1	24+20.00	RT	25.0	25.0	25.0	3.7	3.0	4.0	0.4%	315.0	11.4		E. RICHLAND ST. ALIGNMENT		
	1	21+05.00	RT	25.0	25.0	25.0	4.7	3.0	4.0	0.4%	315.0	12.3		E. RICHLAND ST. ALIGNMENT		
	1	17+90.00	RT	25.0	25.0	25.0	4.4	3.0	4.0	0.4%	315.0	12.0		E. RICHLAND ST. ALIGNMENT		
	3	14+75.00	RT	25.0	25.0	25.0	3.3	3.0	4.0	0.4%	315.0	11.1		E. RICHLAND ST. ALIGNMENT		
	3	13+25.00	RT	25.0	25.0	25.0	3.0	3.0	4.0	0.4%	315.0	10.8		E. RICHLAND ST. ALIGNMENT		
	3	11+25.00	RT	25.0	25.0	25.0	4.9	3.0	4.0	1.3%	100.0	12.5		E. RICHLAND ST. ALIGNMENT		
	1	10+25.00	RT	25.0	25.0	25.0	6.0	3.0	4.0	1.3%	100.0	13.5		E. RICHLAND ST. ALIGNMENT		

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE						
Possible Standards: EC-204						
Location			Length of Installation			Remarks
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	
5+12.22		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRONS)
5+16.43		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRONS)
5+29		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR EXIST. APRON)
7+73.83		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
11+44.76		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
11+45.64		RT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
12+12.90		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR EXIST. INTAKE)
13+00.30		RT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
13+44.07		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
13+80.48		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR EXIST. APRON)
13+80.55		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR EXIST. INTAKE)
14+55.31		RT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
14+68.29		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
15+93.96		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
15+99.10		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
18+59.44		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
18+62.75		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
19+73.06		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
21+37.94		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR NEW APRON)
26+41.32		LT	25.0			SEE 'RC' SHEETS FOR LOCATIONS (PERIMETER FOR EXIST. APRON)

TABULATION OF SILT FENCES				
Refer to EC-201				
This Data Entry Sheet fills Tab 100-17 effective 04-20-10				
Location			Length	Remarks
Begin Station	End Station	Side		
4+63.05	5+84.67	RT	124.0	E. RICHLAND ST ALIGNMENT
9+23.91	9+36.53	RT	25.0	E. RICHLAND ST ALIGNMENT
9+36.53	26+29.76	RT	1693.0	E. RICHLAND ST ALIGNMENT

PCC PAVEMENT

This Data Entry Sheet fills Tab 100-24 effective 04-21-15



- 1 Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
- 2 Refer to PV-410, PV-411, PV-412, and PV-414.
- 3 Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Granular Subbase	Remarks	
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A 1	B	C	D	E	F 2	G	H							
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY							
SY																8 IN		10% IN	TONS		CY
E. RICHLAND STREET		W/E	+49.80	5+75.00	31.0	525.2	1809.0	28.5	28.5							1866.0			347.2		FULL CURB AND GUTTER
E. RICHLAND STREET	W/E	5+75.00	6+62.50	VARIES	87.5	267.4									267.4			51.0		NO CURB AND GUTTER	
E. RICHLAND STREET	W/E	6+62.50	9+57.52	24.0	295.0	786.7	260.1	253.0							1299.8			243.8		NO CURB AND GUTTER	
INDUSTRY STREET	N/S	+15.50	+23.65	31.0	8.2	28.1									28.1			4.7		NO CURB AND GUTTER	
EXPANSION BLVD.	N/S	+65.20	1+43.16	24.0	78.0	207.9									207.9			34.7		NO CURB AND GUTTER	
EXPANSION BLVD.	N/S	1+69.47	2+41.16	24.0	71.7	191.2									191.2			31.9		NO CURB AND GUTTER	
RAY STREET	N/S	+45.44	+83.01	24.0	37.6	100.2	38.9	38.9							177.9			33.9		INTERSECTION	
ROTHMOOR ROAD	N/S	+35.50	+88.00	24.0	52.5	140.0	88.0	88.0							315.9			58.7		INTERSECTION	
														Totals	4354.2			806.0			

GRATE INTAKE SEDIMENT FILTER BAG

Possible Detail: 570-7

This Data Entry Sheet fills Tab 100-37 effective 04-18-17

Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
1+89.26	RT	2	2	2	
1+89.26	LT	2	2	2	
5+14.34	RT	2	2	2	
5+14.34	LT	2	2	2	

FULL-DEPTH PATCHES

Possible Standards: PR-101, PR-102, PR-103, PR-104, PR-105 and PR-140.

This Data Entry Sheet fills Tab 102-6C effective 04-18-17

[illegible]

PARTIAL DEPTH PCC FINISH PATCHES

Possible Standard: PR-107

This Data Entry Sheet fills Tab 102-10 effective 10-16-18

[illegible]

DRAINAGE STRUCTURE BY ROAD CONTRACTOR

Length of unclassified pipe calculated is based on using

Reinforced Concrete Pipe.

* Not a bid item

① Diameter or equivalent diameter

② UNCL = Unclassified Pipe CMP = Corrugated Metal Pipe RCP = Reinforced Concrete Pipe LCP = Arch or Elliptical Low Clearance Pipe SARC = Steel Arch Pipe

③ Backfill according to DR-101

This Data Entry Sheet fills Tab 104-3 effective 10-17-17

[illegible]

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E. RICHLAND STREET BETWEEN INDUSTRY STREET & EXPANSION BLVD.																
STORM SEWER STRUCTURES									STORM SEWER PIPES							
STRUCTURE	ALIGNMENT	STATION	OFFSET	TYPE	RIM/FG ELEV	INLET ELEV	OUTLET ELEV	REMARKS	FROM STRUCTURE	TO STRUCTURE	PIPE DIA	Length	PIPE GRADE	START INV	END INV	REMARKS
FES 1	Alignment - Prop Ditch	307+16.84	0.00'	FES (42IN)	1418.24	1414.28, 42" RCP N		(2)	FES 2	INT 2	24" RCP	23 LF	3.71%	1419.50	1418.65	(2, 4, 5) PAID AS STORM SEWER
FES 2	Alignment - Prop Ditch	308+58.28	0.00'	FES (24IN)	1421.83		1419.50, 24" RCP S	(2)	FES 3	INT 2	24" RCP	23 LF	3.71%	1419.50	1418.65	(2, 4, 5) PAID AS STORM SEWER
FES 3	Alignment - Prop Ditch	308+57.89	-4.43' L	FES (24IN)	1421.83		1419.50, 24" RCP S	(2)	INT 1	FES 1	42" RCP	88 LF	0.71%	1414.91	1414.28	(2, 4, 5) PAID AS STORM SEWER
INT 1	Alignment - Prop Ditch	308+04.39	0.00'	SW-505	1423.77	1415.01, 36" RCP N	1414.91, 42" RCP S		INT 2	MH - 1	36" RCP	16 LF	1.00%	1417.65	1417.49	(5) PAID AS STORM SEWER
INT 2	Alignment - Prop Ditch	308+35.39	0.00'	SW-505	1423.77	1418.65, 24" RCP N 1418.65, 24" RCP N	1417.65, 36" RCP S		INT 3	MH - 2	18" RCP	16 LF	0.50%	1415.78	1415.70	(5) PAID AS STORM SEWER
INT 3	Alignment - RICHLAND ST	1+89.26	15.50' R	SW-505	1419.78		1415.78, 18" RCP N		INT 4	MH - 2	18" RCP	16 LF	0.50%	1415.78	1415.70	(5) PAID AS STORM SEWER
INT 4	Alignnment - RICHLAND ST	1+89.26	-15.50' L	SW-505	1419.79		1415.78, 18" RCP S		MH - 1	INT 1	36" RCP	16 LF	1.00%	1415.17	1415.01	(5) PAID AS STORM SEWER
MH - 1	Alignment - RICHLAND ST	5+14.34	0.00' L	SW-401 (84IN)	1424.07	1415.27, 24" RCP W 1417.49, 36" RCP N	1415.17, 36" RCP S		MH - 2	MH - 1	24" RCP	325 LF	0.10%	1415.60	1415.27	(5) PAID AS STORM SEWER
MH - 2	Alignnment - RICHLAND ST	1+89.26	0.00'	SW-401 (60IN)	1420.09	1415.70, 18" RCP S 1415.70, 18" RCP N	1415.60, 24" RCP E		(1) EXISTING REFERENCE INFORMATION ONLY (2) SEE DR-121, TYPE 2 (SEALED JOINT), CONNECTED PIPE JOINTS (3) SEE DR-102, PIPE CULVERT (COVER & CAMBER) (4) LENGTH INCLUDES APRONS (5) JOINTS SHALL BE GASKET.							

E. RICHLAND STREET BETWEEN EXPANSION BLVD. & RADIO ROAD																
STORM SEWER STRUCTURES									STORM SEWER PIPES							
STRUCTURE	ALIGNMENT	STATION	OFFSET	TYPE	RIM/FG ELEV	INLET ELEV	OUTLET ELEV	REMARKS	FROM STRUCTURE	TO STRUCTURE	PIPE DIA	Length	PIPE GRADE	START INV	END INV	REMARKS
EX MH - 1	Alignnment - RICHLAND ST	11+97.52	60.55' R	Exist MH	1424.45	1415.30, 30" RCP N 1418.50, 30" RCP E 1420.30, 18" RCP NW	1415.25, 30" RCP W	(1)		EX MH - 2	18" RCP-E	18 LF	12.94%	1419.99	1417.60	(1)
EX MH - 2	Alignment - RICHLAND ST	11+99.21	-20.67' L	Exist. MH	1426.77	1421.91, 24" RCP W 1415.85, 30" RCP N 1417.60, 18" RCP NE	1416.00, 30" RCP S	(1)		EX MH - 2	30" RCP-E	138 LF	0.85%	1417.03	1415.85	(1)
FES 6	Alignnment - RICHLAND ST	11+45.08	38.00' R	FES (18IN)	1425.34		1423.55, 18" RCP SE	(2)	EX MH - 1		30" RCP-E	244 LF	0.13%	1415.25	1414.92	(1)
FES 7	Alignment - RICHLAND ST	13+00.00	38.00' R	FES (30IN)	1421.88		1419.00, 30" RCP W	(2)	EX MH - 2	EX MH - 1	30" RCP-E	81 LF	0.86%	1416.00	1415.30	(1)
FES 8	Alignment - RICHLAND ST	11+41.40	-36.04' L	FES (24IN)	1425.76		1423.43, 24" RCP E	(2)	FES 6	EX MH - 1	18" RCP	57 LF	5.70%	1423.55	1420.30	(2, 4, 5) PAID AS STORM SEWER
FES 9	Alignnment - RICHLAND ST	13+32.21	32.83' R	FES (24IN)	1421.49	1419.15, 24" RCP NE		(2)	FES 7	EX MH - 1	30" RCP	105 LF	0.48%	1419.00	1418.50	(2, 4, 5) PAID AS STORM SEWER
FES 10	Alignment - RICHLAND ST	13+71.53	-32.20' L	FES (24IN)	1422.12		1419.78, 24" RCP SW	(2)	FES 8	EX MH - 2	24" RCP	60 LF	2.54%	1423.43	1421.91	(2, 4, 5) PAID AS STORM SEWER
FES 11	Alignnment - RICHLAND ST	13+82.28	38.00' R	FES (30IN)	1422.21	1419.33, 30" RCP E		(2)	FES 10	FES 9	24" RCP	76 LF	0.83%	1419.78	1419.15	(2, 3, 4) PAID AS ROADWAY PIPE
FES 12	Alignnment - RICHLAND ST	14+58.28	38.00' R	FES (30IN)	1422.51		1419.64, 30" RCP W	(2)	FES 12	FES 11	30" RCP	76 LF	0.40%	1419.64	1419.33	(2, 3, 4) PAID AS ENT PIPE
FES 13	Alignment - RICHLAND ST	12+70.50	-36.00' L	FES (18IN)	1423.51		1421.72, 18" RCP E	(2)	FES 13	FES 14	18" RCP	76 LF	1.80%	1421.72	1420.35	(2, 3, 4) PAID AS ENT PIPE
FES 14	Alignment - RICHLAND ST	13+46.50	-36.00' L	FES (18IN)	1422.14	1420.35, 18" RCP W		(2)	FES 16	FES 15	18" RCP	76 LF	0.12%	1420.27	1420.18	(2, 3, 4) PAID AS ENT PIPE
FES 15	Alignnment - RICHLAND ST	13+95.32	-36.00' L	FES (18IN)	1421.97	1420.18, 18" RCP E		(2)	FES 18	FES 17	24" RCP	60 LF	0.73%	1420.67	1420.23	(2, 3, 4) PAID AS ROADWAY PIPE
FES 16	Alignnment - RICHLAND ST	14+71.32	-36.00' L	FES (18IN)	1422.06		1420.27, 18" RCP W	(2)	FES 20	FES 19	24" RCP	60 LF	0.73%	1420.67	1420.23	(2, 3, 4) PAID AS ROADWAY PIPE
FES 17	Alignnment - RICHLAND ST	15+94.20	30.82' R	FES (24IN)	1422.56	1420.23, 24" RCP N		(2)	FES 22	FES 21	29"x18" RCP	68 LF	0.68%	1421.64	1421.18	(2, 3, 4) PAID AS ROADWAY PIPE
FES 18	Alignnment - RICHLAND ST	15+94.20	-29.18' L	FES (24IN)	1423.00		1420.67, 24" RCP S	(2)	FES 24	FES 23	29"x18" RCP	68 LF	0.68%	1421.65	1421.19	(2, 3, 4) PAID AS ROADWAY PIPE
FES 19	Alignnment - RICHLAND ST	15+98.76	30.82' R	FES (24IN)	1422.56	1420.23, 24" RCP N		(2)	FES 26	FES 25	24" RCP	76 LF	0.67%	1422.42	1421.91	(2, 3, 4, 6) PAID AS ENT PIPE
FES 20	Alignnment - RICHLAND ST	15+98.76	-29.18' L	FES (24IN)	1423.00		1420.67, 24" RCP S	(2)	FES 28	FES 27	18" RCP	84 LF	0.67%	1423.54	1422.97	(2, 3, 4, 6) PAID AS ENT PIPE
FES 21	Alignnment - RICHLAND ST	18+35.15	32.38' R	FES (24IN) Low Clearance	1423.06	1421.18, 28" N		(2)	(1) EXISTING REFERENCE INFORMATION ONLY (2) SEE DR-121, TYPE 2 (SEALED JOINT), CONNECTED PIPE JOINTS (3) SEE DR-102, PIPE CULVERT (COVER & CAMBER) (4) LENGTH INCLUDES APRONS (5) JOINTS SHALL BE GASKET (6) SALVAGE EXISTING CULVERTS AND APRONS TO PROPERTY OWNER.							
FES 22	Alignnment - RICHLAND ST	18+57.93	-31.69' L	FES (24IN) Low Clearance	1423.52		1421.64, 28" S	(2)								
FES 23	Alignnment - RICHLAND ST	18+39.92	32.58' R	FES (24IN) Low Clearance	1423.06	1421.19, 28" N		(2)								
FES 24	Alignnment - RICHLAND ST	18+62.70	-31.49' L	FES (24IN) Low Clearance	1423.53		1421.65, 28" S	(2)								
FES 25	Alignnment - RICHLAND ST	18+97.26	-36.00' L	FES (24IN)	1424.25	1421.91, 24" RCP E		(2)								
FES 26	Alignnment - RICHLAND ST	19+73.27	-36.00' L	FES (24IN)	1424.76		1422.42, 24" RCP W	(2)								
FES 27	Alignnment - RICHLAND ST	20+54.93	-36.00' L	FES (18IN)	1424.77	1422.97, 18" RCP E		(2)								
FES 28	Alignnment - RICHLAND ST	21+38.93	-36.00' L	FES (18IN)	1425.33		1423.54, 18" RCP W	(2)								

LIST OF SUBDRAIN WORK																						
Possible Standards: DR-121, DR-201, DR-203, DR-301, DR-302, DR-303, DR-305 and DR-306. Possible Detail: 500-10.																						
* Not a bid item ** DR-303 Shall be the connection to Intake																						
This Data Entry Sheet fills Tab 104-5C effective 10-17-17																						
Location					Pipe			Aprons		Outlets				Connected Pipe Joints*		Trench Drain	Granular Material	Porous Backfill*	Class "A" Crushed Stone*	SUBDRAIN CLEANOUT	Remarks	
No.	Station to Station		Side	Type of Installation	Concrete, C.M.P., or Plastic	Dia.	Length	DR-201	DR-203	500-10	DR-305		DR-303 **									
											DR-121			Blanket CY								
			LT/RT	DR-301, DR-302, DR-303		IN	LF	No.	No.	No.	Type	No.	No.		Type	No.	LF		CY	CY		No.
1	0+59.38	1+91.26	LT	DR-303, Type 7A	Plastic	6.0	132							1				15.0			CONNECT OUTLET TO EXISTING SUBDRAIN CLEANOUT	
2	1+91.26	5+14.53	LT	DR-303, Type 7A	Plastic	6.0	323							2				36.2				
3	5+14.53	8+15.42	LT	DR-303, Type 7A	Plastic	6.0	352							1				39.5		1	PORTION OF SUBDRAIN FOLLOWS CURVATURE OF INTERSECTION RETURN	
4	8+41.62	9+53.52	LT	DR-303, Type 7A	Plastic	6.0	178											20.3		2	PORTION OF SUBDRAIN FOLLOWS CURVATURE OF INTERSECTION RETURN	
5	+59.42	1+91.26	RT	DR-303, Type 7A	Plastic	6.0	132							1				15.0			CONNECT OUTLET TO EXISTING SUBDRAIN CLEANOUT	
6	1+91.26	5+14.93	RT	DR-303, Type 7A	Plastic	6.0	324							2				36.9				
7	5+14.93	8+90.25	RT	DR-303, Type 7A	Plastic	6.0	406							1				46.1		1	PORTION OF SUBDRAIN FOLLOWS CURVATURE OF INTERSECTION RETURN	
9	9+18.64	9+77.72	RT	DR-303, Type 7A	Plastic	6.0	100											11.4		1	PORTION OF SUBDRAIN FOLLOWS CURVATURE OF INTERSECTION RETURN	
10	9+18.64	9+53.04	RT	DR-303, Type 7A	Plastic	6.0	35							1				4.0			OUTLET IS TO EXISTING STORM SEWER MANHOLE	
						TOTAL	1982							9				224.5				

ADJUSTMENT OF FIXTURES			
This Data Entry Sheet fills Tab 104-10 effective 08-01-08			
No.	Location Station	Type of Fixture	Adjustment
1	9+90.27, 28.66 R	FIRE HYDRANT	SEE WATER MAIN CONSTRUCTION TABLE, HYDRANT FLANGE ELEV. COLUMN
2	13+84, 33.45 R	FIRE HYDRANT	SEE WATER MAIN CONSTRUCTION TABLE, HYDRANT FLANGE ELEV. COLUMN
3	17+59.02, 26.77 R	FIRE HYDRANT	SEE WATER MAIN CONSTRUCTION TABLE, HYDRANT FLANGE ELEV. COLUMN
4	21+50.32, 26.30 R	FIRE HYDRANT	SEE WATER MAIN CONSTRUCTION TABLE, HYDRANT FLANGE ELEV. COLUMN
5	24+98.50, 22.99 R	FIRE HYDRANT	SEE WATER MAIN CONSTRUCTION TABLE, HYDRANT FLANGE ELEV. COLUMN
6	11+75.69, 53.58 L	SAN MH CASTING	SEE 'MSA' SHEETS FOR LOCATION AND BID ITEM 'MANHOLE ADJUSTMENT, MINOR'

STANDARD ROAD PLANS		
The following Standard Road Plans apply to construction work on this project.		
This Data Entry Sheet fills Tab 105-4 effective 10-18-11		
Number	Date	Title
DR-102	04-21-15	PIPE CULVERT (COVER AND CAMBER)
DR-121	10-17-17	CONNECTED PIPE JOINTS
DR-201	04-21-20	CONCRETE APRONS
DR-202	04-21-20	LOW CLEARANCE CONCRETE PIPE APRONS
DR-303	10-17-17	SUBDRAINS (LONGITUDINAL)
EC-101	04-19-16	SPECIAL DITCH CONTROL, WOOD EXCELSIOR MAT
EC-103	04-21-15	WOOD EXCELSIOR MAT FOR SLOPE CONTROL
EC-201	04-20-21	SILT FENCE
EC-204	10-19-21	PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICE
EC-303	10-19-21	STABILIZED CONSTRUCTION ENTRANCE
PR-103	04-21-20	FULL DEPTH PCC PATCH WITH DOWELS
PR-107	10-16-18	PARTIAL DEPTH PCC FINISH PATCHES
PV-10	04-21-20	RUMBLE STRIP PANEL FOR INTERSECTION APPROACH
PV-101	04-19-22	JOINTS
PV-102	04-21-20	PCC CURB DETAILS
PV-103	04-19-22	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	04-20-21	RIGID GRAVITY PIPE TRENCH BEDDING
SW-103	04-20-21	FLEXIBLE GRAVITY PIPE TRENCH BEDDING
SW-104	04-20-21	PRESSURE PIPE TRENCH BEDDING
SW-201	04-21-20	SANITARY SEWER SERVICE STUB
SW-203	04-17-18	SANITARY SEWER CLEANOUT
SW-301	04-20-21	CIRCULAR SANITARY SEWER MANHOLE
SW-401	04-20-21	CIRCULAR STORM SEWER MANHOLE
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-1	10-15-19	WORK NOT AFFECTING TRAFFIC (TWO-LANE OR MULTI-LANE)
TC-212	04-21-20	SPOT LOCATION LANE CLOSURE WITH FLAGGERS
TC-252	04-21-20	ROUTES CLOSED TO TRAFFIC
WM-101	10-18-16	THRUST BLOCKS
WM-102	10-18-16	TRACER SYSTEM
WM-201	04-20-21	FIRE HYDRANT ASSEMBLY
570-7	10-19-21	GRATE INTAKE SEDIMENT FILTER BAG

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REMOVAL OF PAVEMENT									
* Not a Bid Item									
This Data Entry Sheet fills Tab 110-1 effective 04-16-13									
Begin Station	End Station	Side	Pavement Type	Length	Width	Area	Area	Saw Cut*	Remarks
				FT	FT	FT	SY	LF	
+49.75	9+57.52	BOTH	P.C.C.	907.77	VARIABLE	33394.51	3710.5	107.7	INCLUDES INTERSECTION OF EXPANSION BLVD & E. RICHLAND ST.
				0		0			
				0		0			
				0		0			
				0		0			
				0		0			

REMOVAL OF CONCRETE DRIVES							
* Not a Bid Item							
This Data Entry Sheet fills Tab 110-08 effective 04-17-18							
Location	Side	Length	Width	Area	Area	Saw Cut*	Remarks
Station		FT	FT	SF	SY	LF	
1+73.60	LT	247.8	4.0	991	110.1	255.8	SEE PLAN SHTS 'R'
3+81.77	RT			583	64.8	38.6	SEE PLAN SHTS 'R'
13+07.02	LT			241	26.8	13.7	SEE PLAN SHTS 'R'
14+33.92	LT			661	73.5	37.5	SEE PLAN SHTS 'R'
15+41.26	LT			382	42.5	32.2	SEE PLAN SHTS 'R'
16+74.80	LT			788	87.5	46.8	SEE PLAN SHTS 'R'
19+36.88	LT			320	35.6	61.9	SEE PLAN SHTS 'R'
20+97.65	LT			824	91.6	47.7	SEE PLAN SHTS 'R'
				0			
				0			

DELIVERY AND STOCKPILING					
This Data Entry Sheet fills Tab 110-13 effective 04-20-10					
Item Description	Quantity	Units	Delivery Location	Contact Name & Number	Remarks
REMOVE AND REINSTALL SIGNS	22	EACH	433 VILAS ROAD STORM LAKE, IA. 50588	KIM WOLTMAN, PH. (712)732-8029	
SALVAGE FIRE HYDRANT	2	EACH	6011 HWY 110 STORM LAKE, IA 50588	SHANE STEWART, PH. (712)732-8031	
SALVAGE AIR RELEASE VALVE	1	EACH	6011 HWY 110 STORM LAKE, IA 50588	SHANE STEWART, PH. (712)732-8031	

SANITARY, STORM SEWER AND WATER ABANDONMENT OR REMOVAL						
* Not a bid item						
This Data Entry Sheet fills Tab 110-14 effective 04-16-13						
Location/Description	Sanitary, Storm Sewer, Water	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	
EXPANSION BLVD.	SANITARY	REMOVAL	250			
E. RICHLAND STREET	STORM SEWER	REMOVAL	100			
E. RICHLAND STREET	WATER	REMOVAL	917			
E. RICHLAND STREET, STA. 5+60.83	STORM SEWER	REMOVAL				REMOVE MANHOLE AND APRONS
E. RICHLAND STREET, STA. 8+48.3, 54' LT	SANITARY	REMOVAL				REMOVE MANHOLE
E. RICHLAND STREET, STA. 8+86.24, 34.74' RT	WATER	REMOVAL				REMOVE AIR RELEASE MANHOLE
E. RICHLAND STREET, STA. 12+13.02 32.93' LT	STORM SEWER	REMOVAL				REMOVE AREA INTAKE
E. RICHLAND STREET, STA. 13+80.93, 38.60' LT	STORM SEWER	REMOVAL				REMOVE AREA INTAKE

REMOVAL OF INTAKES AND UTILITY ACCESSES			
This Data Entry Sheet fills Tab 110-15 effective 04-16-13			
No.	Location/Description	Type	Remarks
1	2+14.27, 21.9' RT, E. RICHLAND STREET	WATER	FIRE HYDRANT, SALVAGE TO CITY
2	5+60.8, 27.0' RT, E. RICHLAND STREET	STORM	STORM MANHOLE
3	6+00.3, 30.0' RT, E. RICHLAND STREET	WATER	FIRE HYDRANT, SALVAGE TO CITY
4	7+84.4, 92.6' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (40 LF)
5	8+86.2, 34.7' RT, E. RICHLAND STREET	WATER	WATER MAIN MANHOLE, W/AIR RELEASE VALVE (SALVAGE TO CITY)
6	11+77.1, 38.2' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (45 LF)
7	12+13, 32.9' LT, E. RICHLAND STREET	INTAKES	AREA INTAKE
8	13+05.8, 34.3' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (64 LF)
9	13+77.7, 27.4' RT TO 13+80.5, 27.0' LT, E. RICHLAND STREET	CULVERT	ROADWAY CULVERT (54.5 LF)
10	13+80.9, 38.6' LT, E. RICHLAND STREET	INTAKES	AREA INTAKE
11	14+21.8, 39.7' RT, E. RICHLAND STREET	CULVERT	FIELD ENTRANCE (49 LF)
12	14+35.1, 40', LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERTS (2), (103.3 LF TOTAL)
13	15+41.2, 40.2' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (49 LF)
14	18+12.3, 45.7' LT, E. RICHLAND STREET	CULVERT	ROADWAY CULVERT (55 LF)
15	19+35.3, 40.9' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (52 LF) SALVAGE TO PROPERTY OWNER
16	20+98.5, 44.9' LT, E. RICHLAND STREET	CULVERT	DRIVEWAY CULVERT (56 LF) SALVAGE TO PROPERTY OWNER

SHOULDERS

Lane(s) to which the shoulder is adjacent.
Bid Item
Applies only for Paved Shoulders constructed on project with existing granular shoulders.
Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0 , a Special Backfill unit weight (lbs/cf) of 140 , and a Granular Shoulder unit weight (lbs/cf) of 140 .

Location																												Remarks																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Road Identification	Direction Of Traffic	Station to Station	Side	P Start	P End	P Width	G Start	G End	G Width	L Length	Quantities																				Earth Shoulder Construction Cross Section Area (HMA)		Earth Shoulder Construction Cross Section Area (PCC)		Earth Shoulder Construction Alternates																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				FT	FT	FT	FT	FT	FT	CY	SF	Hot Mix Asphalt		Binder	Paved Shoulder	Reinforced Paved Shoulder	Special Backfill Cross Section Area (HMA)	Special Backfill Cross Section Area (PCC)	Special Backfill		Modified Subbase	Granular Shoulder Cross Section Area	Granular Shoulder		SF	TON	TON/STA		SF	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY

RUMBLE STRIP PANELS					
Refer to Standard Road Plan PV-10.					
This Data Entry Sheet fills Tab 112-7 effective 10-19-10					
Location			Pavement		Remarks
Road Ident.	Station	Side	New	Existing	
E. RICHLAND ST.	16+72.81	RT	xlCenter		SEE SHT D.03

EXISTING SIGNS TO BE REMOVED

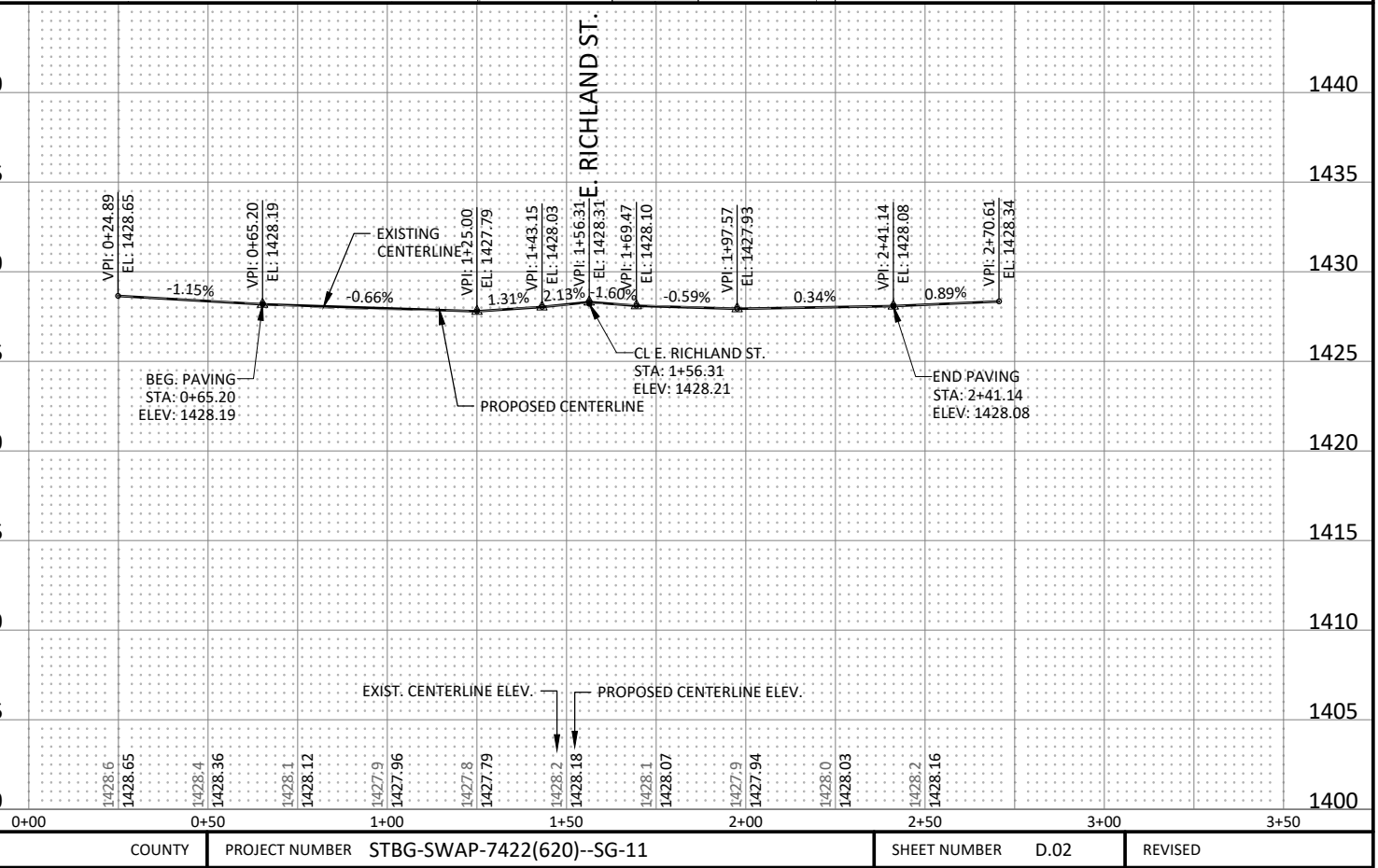
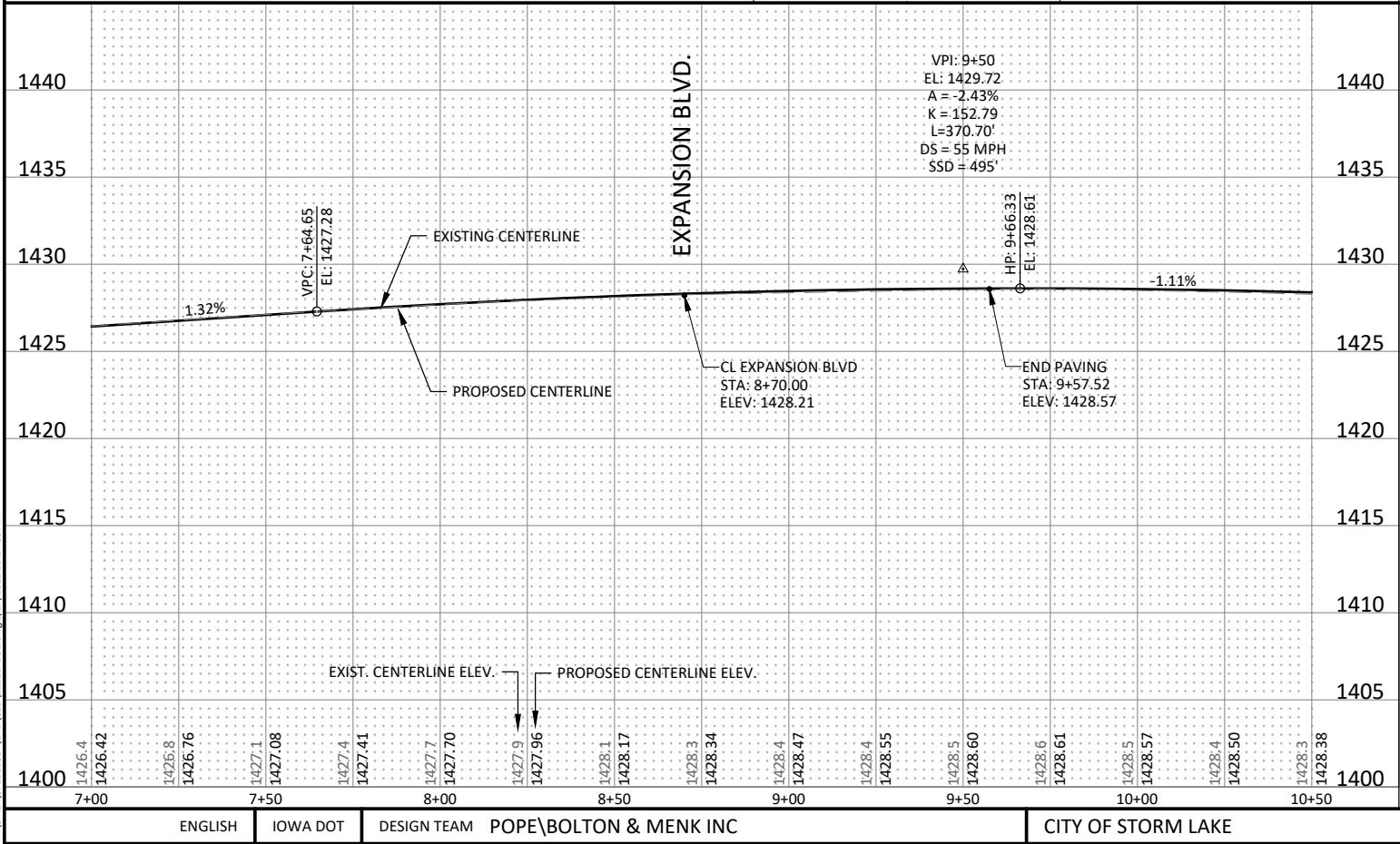
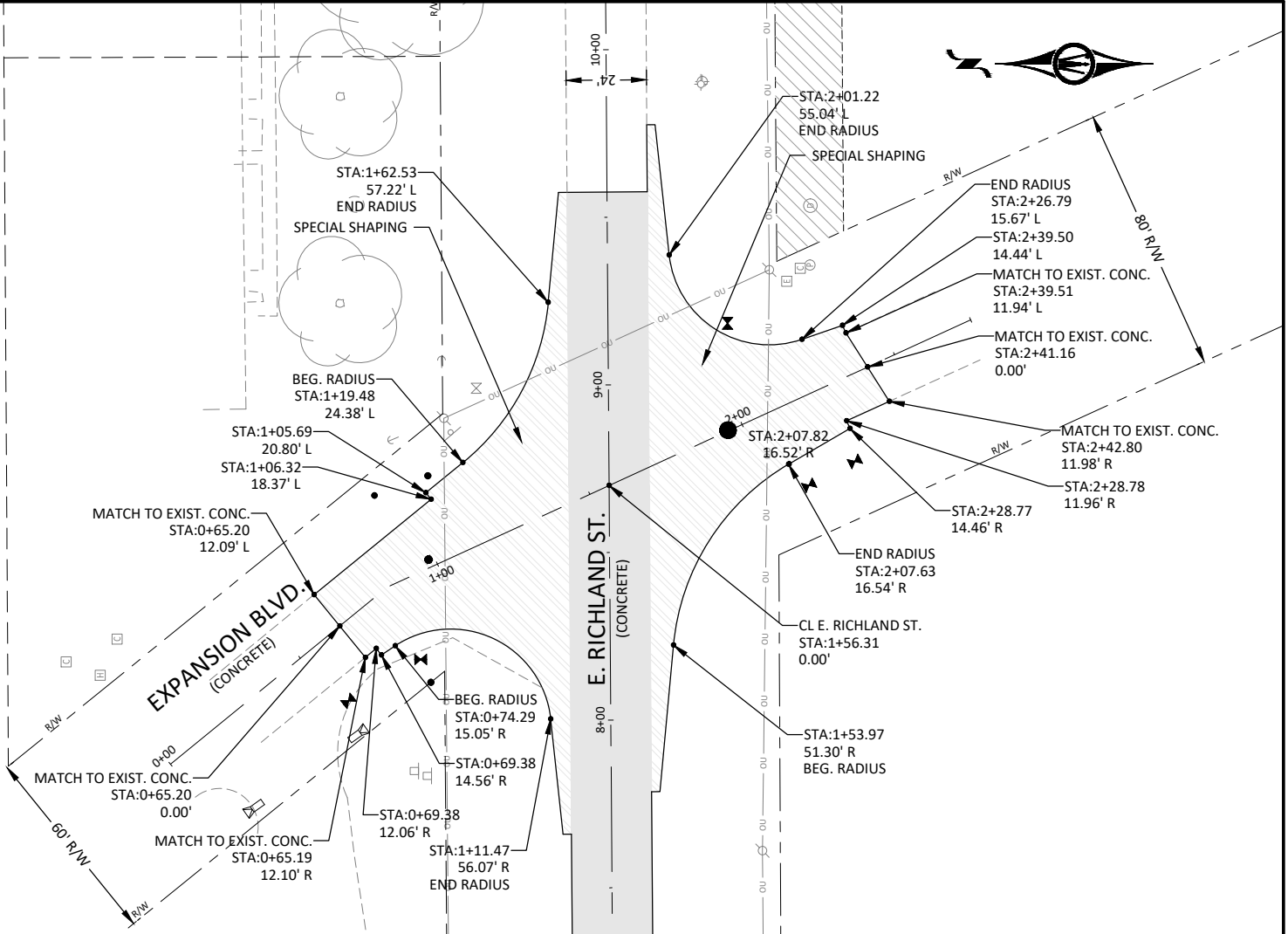
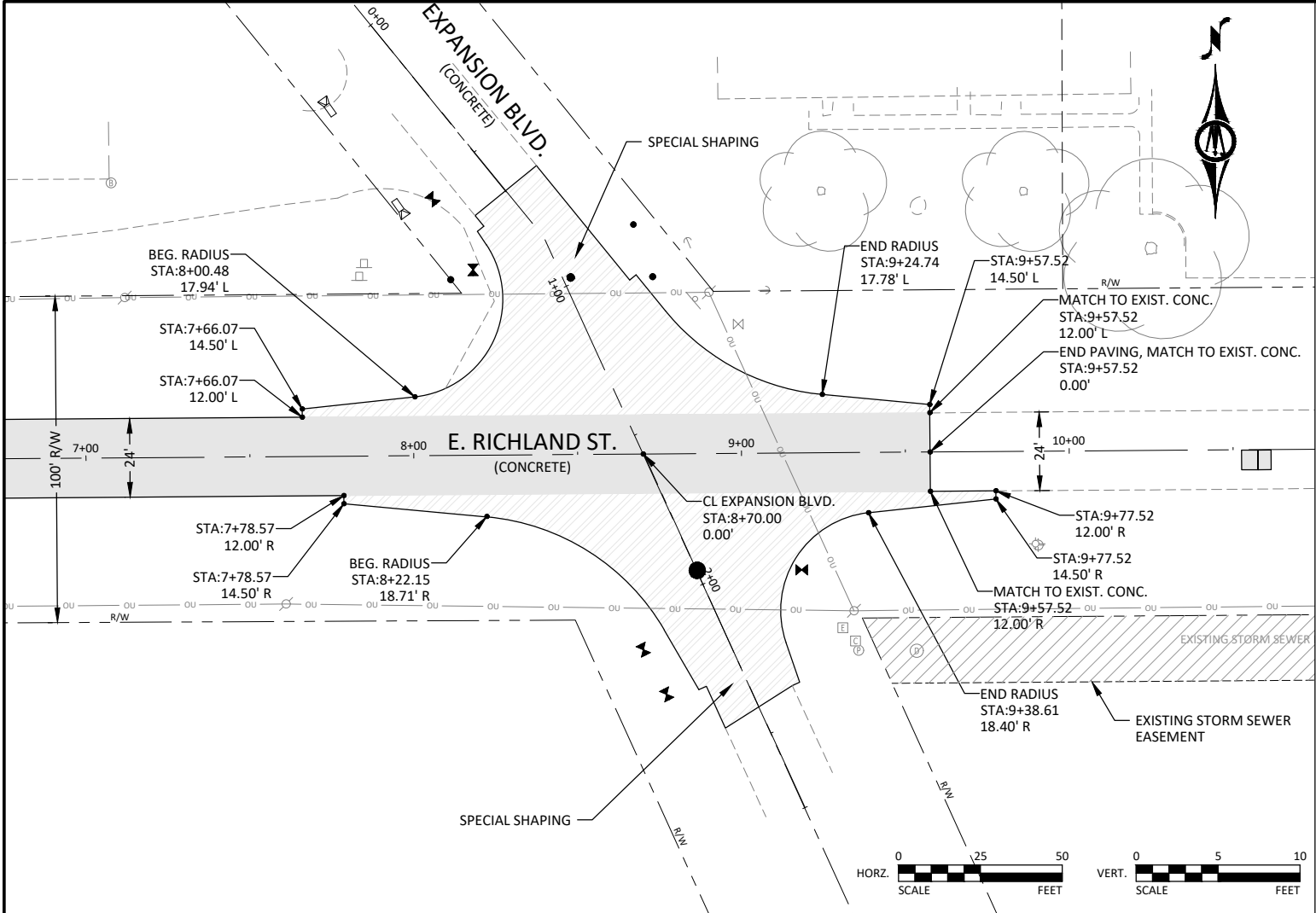
EXISTING SIGNS TO BE REMOVED							
This Data Entry Sheet fills Tab 190-62 effective 10-15-13							
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	SIDE	TYPE 'A' SIGN ASSEMBLY	TYPE 'B' SIGN ASSEMBLY	REMOVE & REINSTALL EXISTING SIGNS	APPLICABLE SIGNING NOTES	REMARKS
			EACH	EACH	EACH		
STOP	1+46	34.95 RT			1		
NO PARKING	2+28	18.04 RT			1		
NO PARKING	4+19	18.29 LT			1		
NO PARKING	6+56	24.08 LT			1		
NO PARKING	6+64	23.97 RT			1		
STOP	8+20	42.91 LT			1		
STREET	8+86	47.21 LT			1		
STOP	9+21	34.89 RT			1		
NO PARKING	9+95	23.40 LT			1		
NO PARKING	10+77	23.60 RT			1		
NO PARKING	10+95	23.75 LT			1		
STOP	11+56	44.21 LT			1		
STREET	12+05	42.66 LT			1		
NO PARKING	13+34	24.72 LT			1		
NO PARKING	14+78	23.91 RT			1		
NO PARKING	14+82	24.86 LT			1		
STOP	17+83	39.49 LT			1		
STREET	18+32	43.54 LT			1		
NO PARKING	22+78	23.95 RT			1		
SPEED	23+34	23.72 LT			1		
NO PARKING	24+78	23.95 RT			1		
STOP	26+20	23.87 RT			1		
				TOTAL	22		

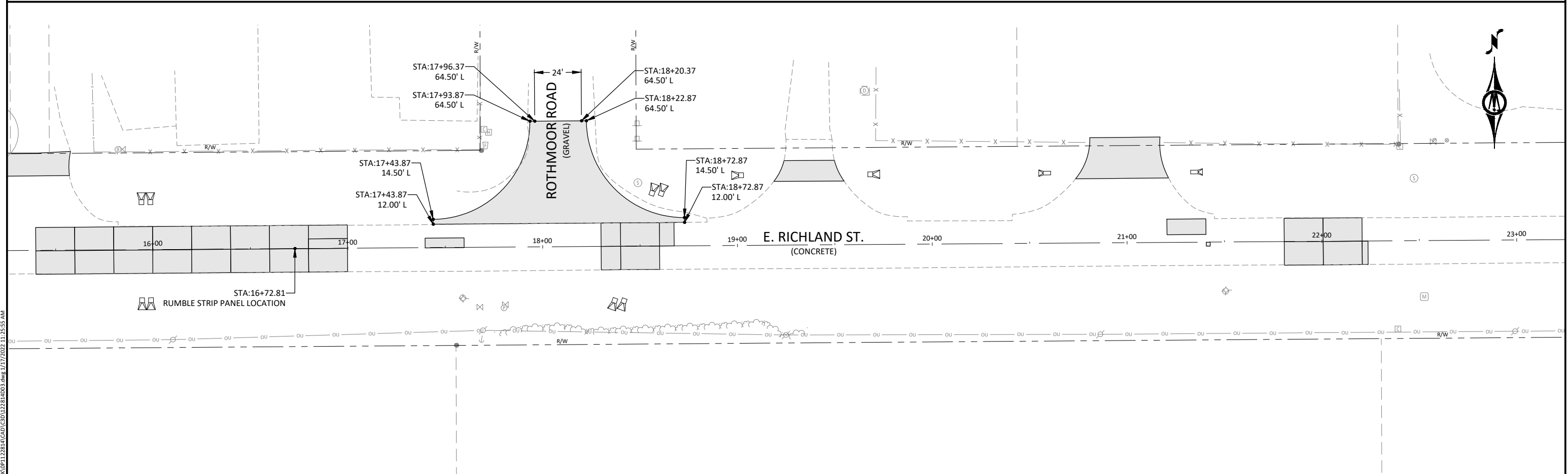
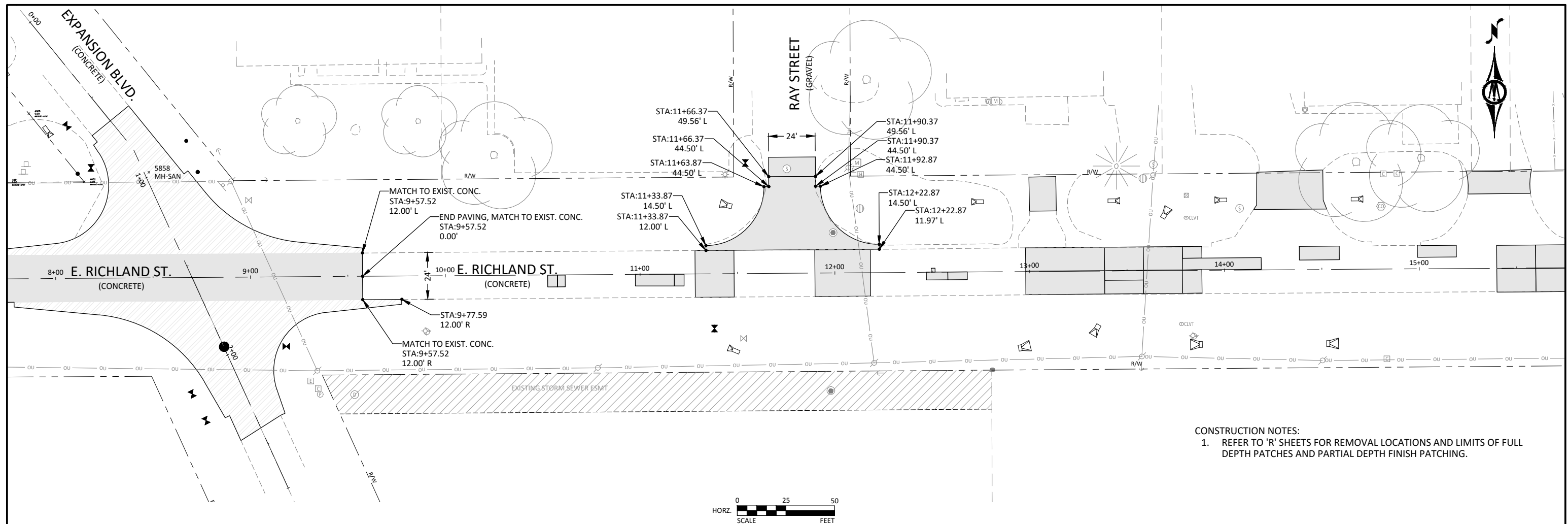
WATERMAIN CONSTRUCTION																													
STATION	OFFSET	4" INSULATION (3.56 SY)	6" TEMPORARY BLOWOFF	6" GATE VALVE & BOX	12" GATE VALVE & BOX	6" INSERTION VALVE	12" INSERTION VALVE	HYDRANT ASSEMBLY	MANHOLE W/AIR RELEASE VALVE	HYDRANT FLANGE ELEVATION	6"x11.25" BEND (31 LB)	6"x45° BEND (38 LB)	6" SLEEVE (40 LB)	12"x6" TAPPING SLEEVE (160 LB)	12"x45° BEND (84 LB)	12"x22.30 BEND (94 LB)	12"x90° BEND (134 LB)	12" SLEEVE (94 LB)	8"x6" REDUCER (41 LB)	12"x6" REDUCER (65 LB)	12"x6" TEE (126 LB)	12"x8" TEE (145 LB)	12"x12" TEE (184 LB)	6" THREADED PLUG (16 LB)	6" WATERMAIN (1)	8" WATERMAIN (1)	12" WATERMAIN (1)	CONNECT TO EXIST WATERMAIN	NOTES
		(SY)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)		(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(LF)	(LF)	(LF)	(EACH)	
02+05.21	26.25 R					1							1												4				
02+08.67	26.19 R												1							1								1	
02+14.61	26.50 R																						1				6		
02+09.11	18.68 R						1																						
02+14.61	18.54 R																1	1									6	1	
02+14.61	18.54 R																												
02+14.61	26.50 R																										8		
02+20.06	26.50 R				1																						5		
02+24.73	26.50 R							1		1421.0											1						5		
04+86.84	26.49 R															1											262		
05+06.33	34.62 R															1											19		
05+20.02	34.66 R	7.11																											
06+00.78	34.87 R							1		1423.3												1					94		
08+18.28	35.45 R																						1				218		
08+52.64	35.54 R																							1			34		
08+86.23	35.62 R								1																		34		(1, 3)
9+18.13	35.69 R				1																						32		
09+22.53	35.70 R														1												4		
09+25.27	32.97 R		1																								3		
09+27.50	30.74 R														1			1									2	1	
08+18.28	35.45 R																												
08+18.51	54.52 L																		1							90			
08+18.52	56.59 L			1																					2				
08+18.53	59.35 L		1																						3				
08+18.54	62.37 L											1	1												3			1	
08+06.33	78.22 L					1																							
08+52.64	35.54 R																												
08+52.63	40.54 R											1													5				
08+67.54	55.53 R										1														15				
08+69.61	59.70 R			1									1												4			1	
08+76.66	73.40 R					1																							
08+65.21	50.82 R																							1					
11+37.91	33.07 R													1														1	
11+37.91	28.07 R			1																					5				
11+39.05	35.30 L											1													63				
11+54.30	50.49 L											1	1												15			1	
11+52.73	48.52 L		1																										
11+54.02	56.71 L					1																							
11+54.20	43.82 L																								1				
09+90.27	28.66 R									1427.20																			(2)
13+84.00	33.45 R									1421.80																			(2)
17+59.02	26.77 R									1423.50																			(2)
21+50.32	26.30 R									1425.20																			(2)
24+98.50	22.99 R									1427.60																			(2)
	TOTALS	7	3	3	2	4	1	2			1	4	4	1	2	2	1	2	1	1	3	1	1	2	119	90	732	7	
	TOTAL WEIGHTS:										31	152	160	160	168	188	134	188	41	65	378	145	184	32			FITTINGS WEIGHT= 2026LB		
(1) TRENCH FOUNDATION TO BE USED AS NEEDED. (2) ADJUST EXISTING FIRE HYDRANT TO FINISH SURFACE ELEVATION. (3) USE MODIFIED SW-301, 48" DIA MANHOLE FOR AIR RELEASE VALVE. SEE SHEET B.03 FOR DETAIL.																													

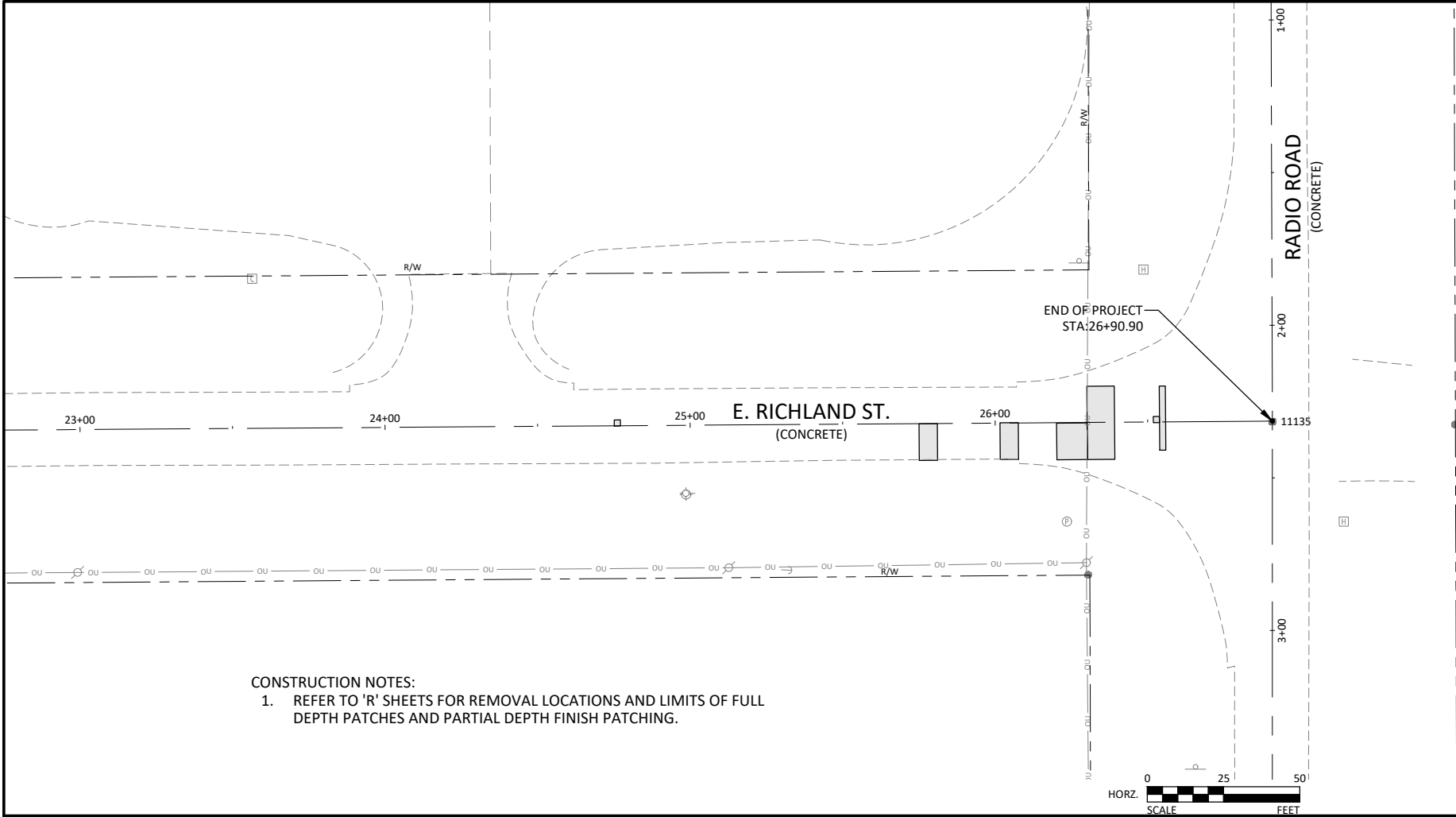
WATER SERVICES				
STATION OFFSET (FROM CENTERLINE)	ADDRESS	2" COPPER SERVICE LF	2" CORP STOP, CURB STOP, AND BOX EA	NOTES
2+34.85, 26.50' R	E. RICHLAND STREET	4	1	
3+33.46, 26.49' R	E. RICHLAND STREET	4	1	
4+21.34, 26.49' R	E. RICHLAND STREET	4	1	
	TOTALS	12	3	

SANITARY SEWER STRUCTURES									SANITARY SEWER PIPES							
STRUCTURE	ALIGNMENT	STATION	OFFSET	TYPE	RIM ELEV	INLET ELEV	OUTLET ELEV	REMARKS	FROM STRUCTURE	TO STRUCTURE	PIPE DIA	Length	PIPE GRADE	START INV	END INV	REMARKS
CONN 1	Alignment - Expansion Blvd	0+65.20	-0.18' L	Fernco	1410.95	1408.77, 24" NW	1408.77, 24" PVC SE									
CONN 2	Alignment - Expansion Blvd	2+40.40	-5.45' L	Fernco	1410.75	1408.57, 24" PVC NW	1408.57, 24" SE									
CONN 3	Alignment - Expansion Blvd	0+75.61	30.21' R	Fernco 8"x4"	1410.05		1409.31, 8" PVC E									
CONN 4	Alignment - Expansion Blvd	0+91.42	-26.42' L	Fernco 6"x4"	1422.15		1421.58, 6" PVC SW									
CONN 5	Alignment - Expansion Blvd	1+08.35	-25.15' L	Fernco	1410.57		1409.82, 8" PVC W									
MH - 1	Alignment - Expansion Blvd	0+98.12	-2.34' L	SW-301-CC 48	1427.92	1408.75, 24" PVC NW 1409.72, 8" PVC E 1409.16, 8" PVC W	1408.71, 24" PVC SE									
WYE 24x6	Alignment - Expansion Blvd	0+92.98	-1.25' L	Wye W/Riser	1422.24	1408.75, 24" PVC NW 1421.06, 6" PVC NE	1408.75, 24" PVC SE									
(1) FIELD VERIFY EXISTING SANITARY PIPE GRADE AND ELEVATION																

Paved Drives										
Location		Address	Back of Curb Length	Length at tie in	Width	Area	Special Compaction	Modified Subbase	PCC Area	Remarks
Station	Side		FT	FT	FT	SF	SY	CY	SY	
2+25	LT	E. RICHLAND ST.	350.3	350.3	4.0	1401	156	26	155.7	
2+66	RT	E. RICHLAND ST.	50.0	45.9	4.0	192	21	4	21.3	
3+83	RT	E. RICHLAND ST.	41.0	38.6	14.8	590	66	11	65.6	
						TOTALS:	243	40	243	

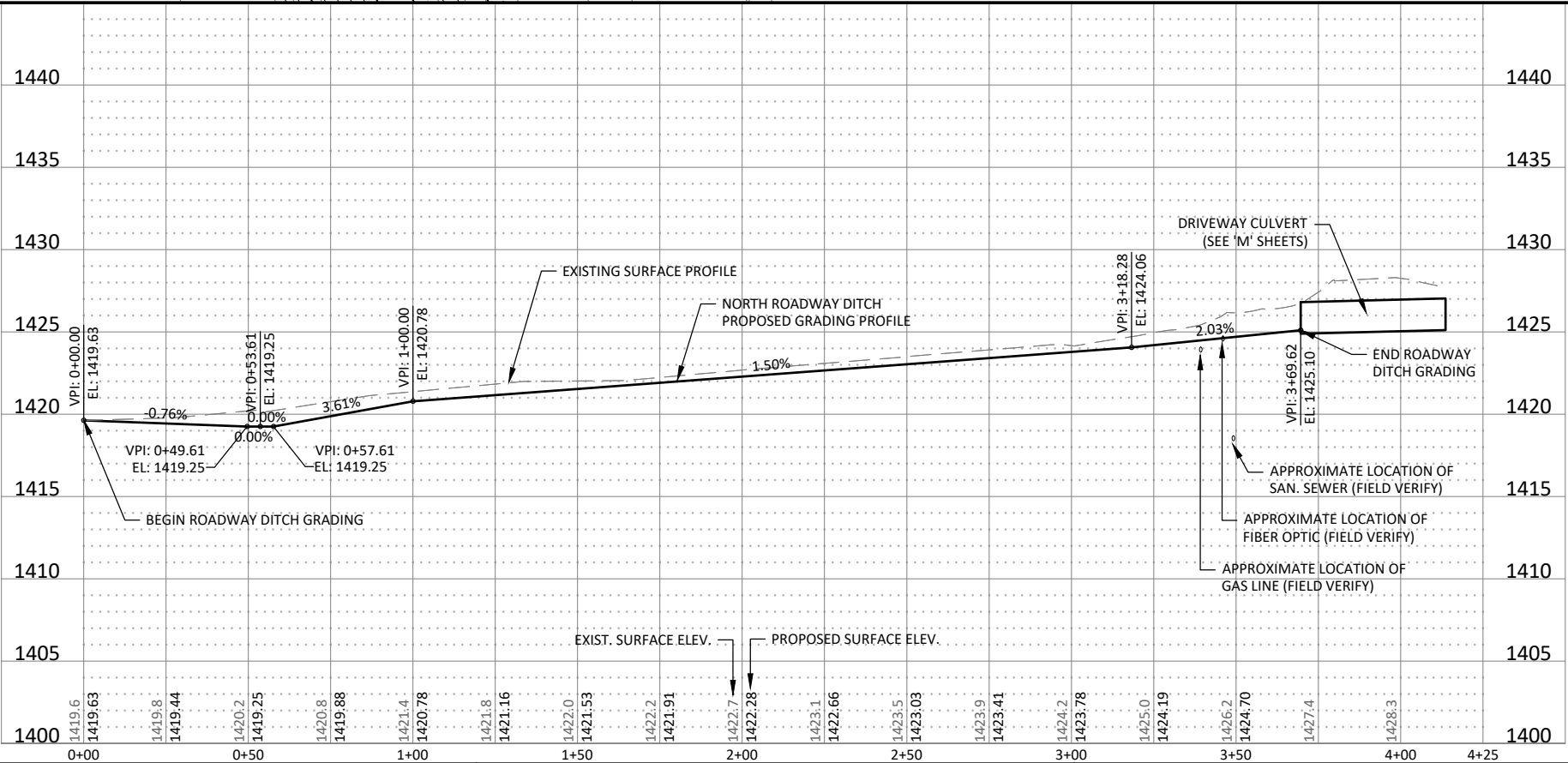
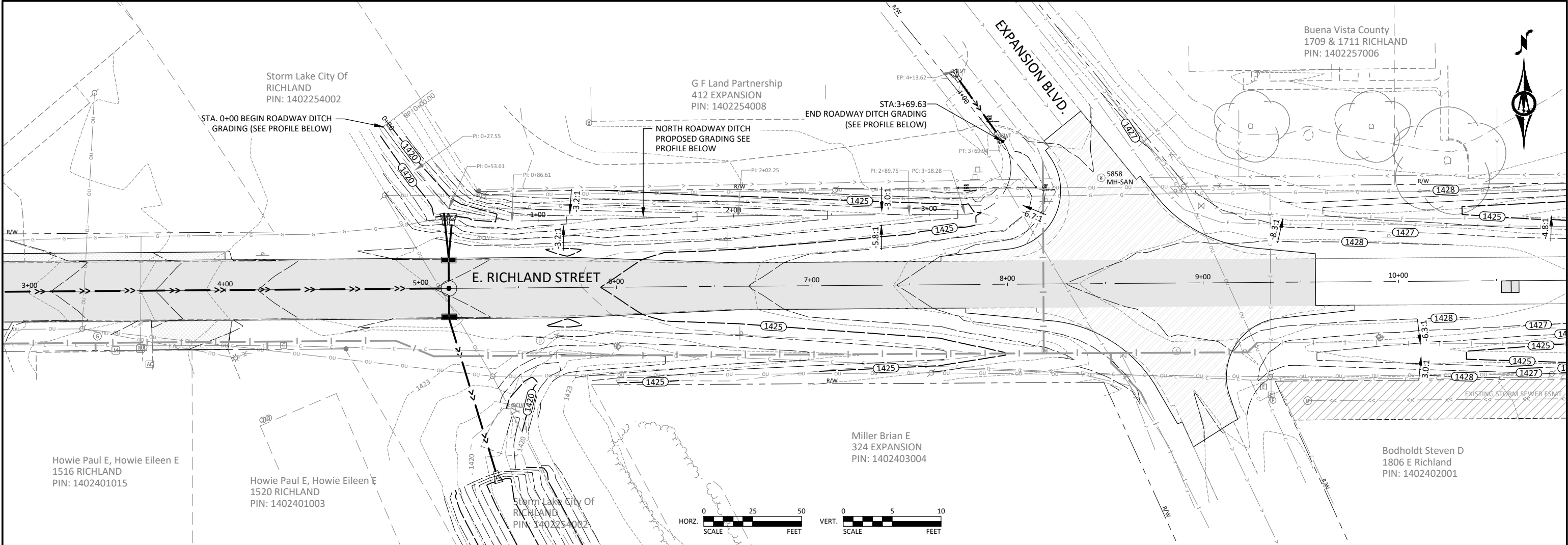




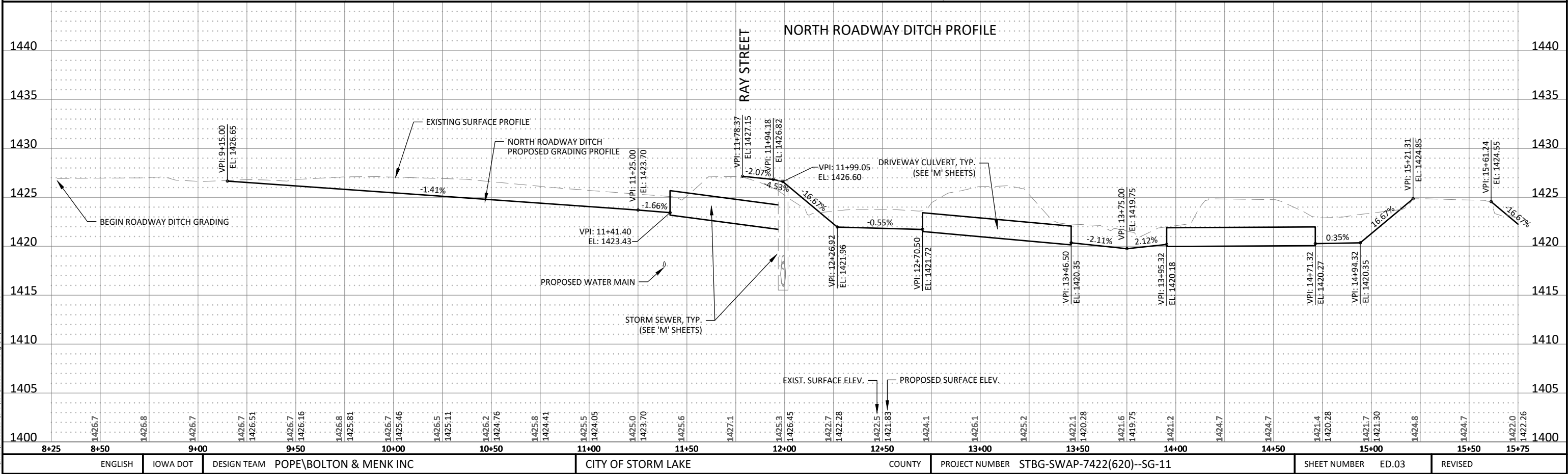
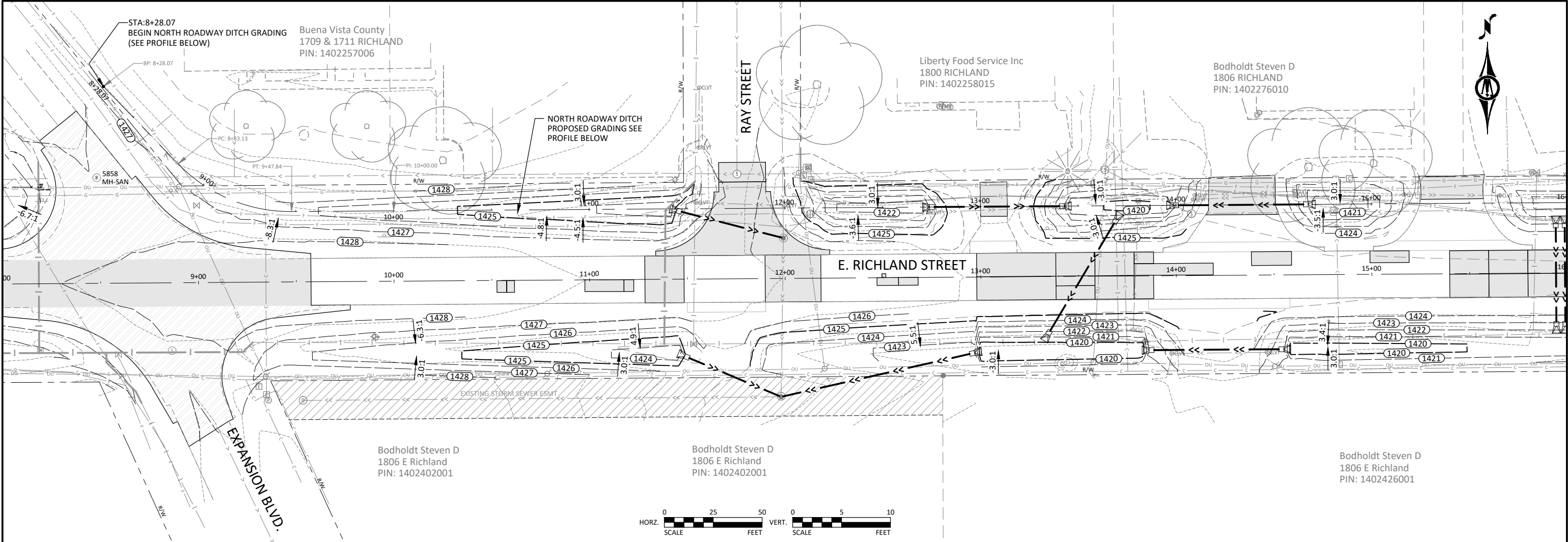


CONSTRUCTION NOTES:
1. REFER TO 'R' SHEETS FOR REMOVAL LOCATIONS AND LIMITS OF FULL DEPTH PATCHES AND PARTIAL DEPTH FINISH PATCHING.

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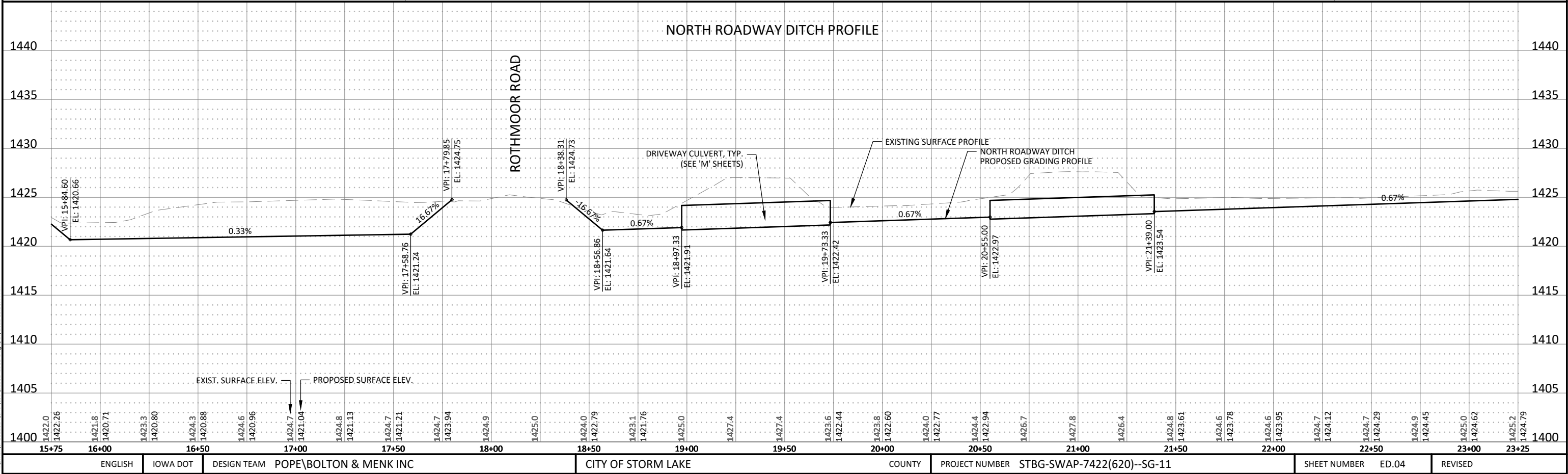
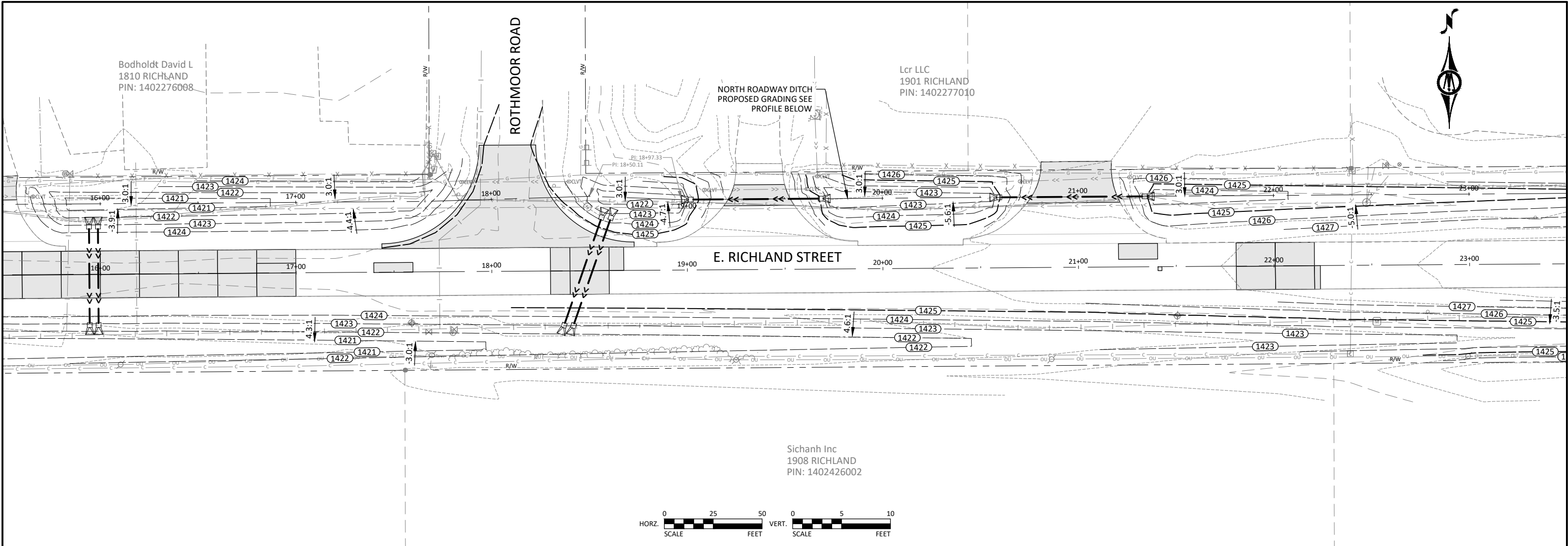


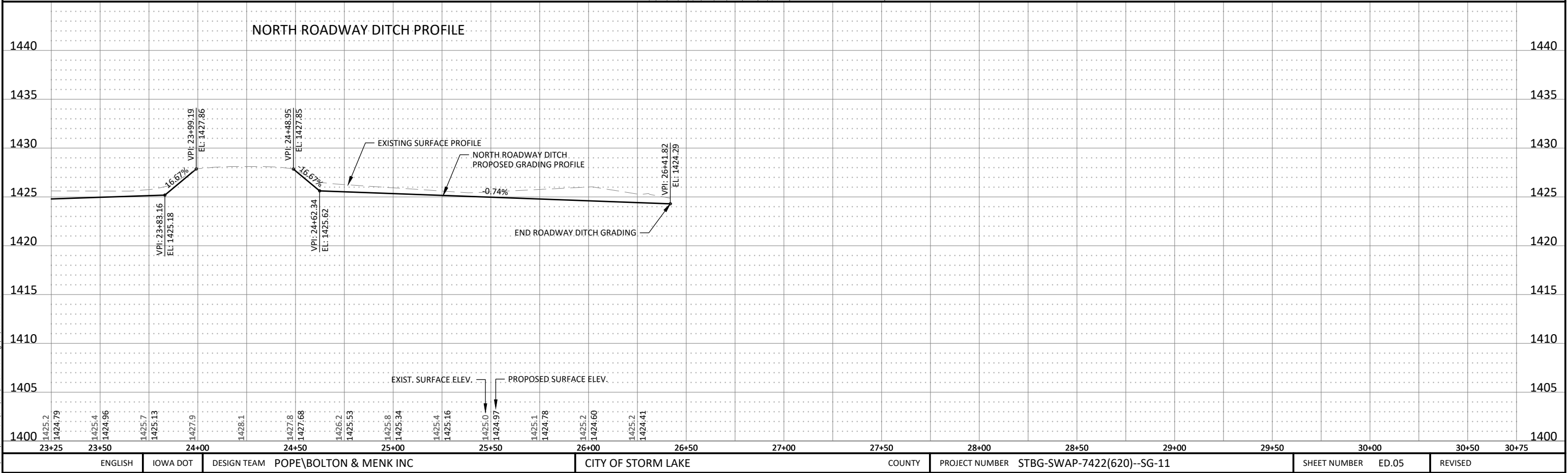
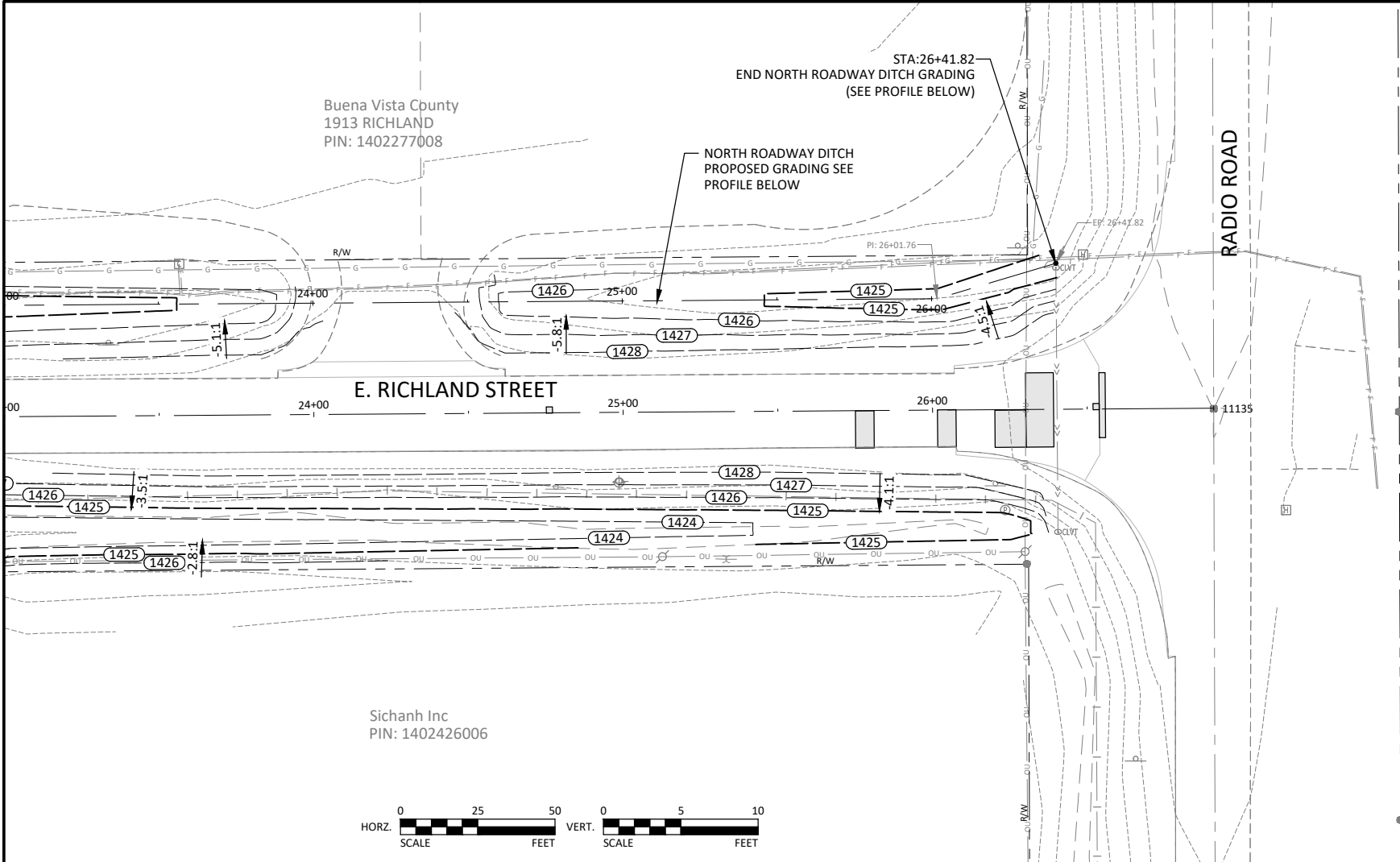
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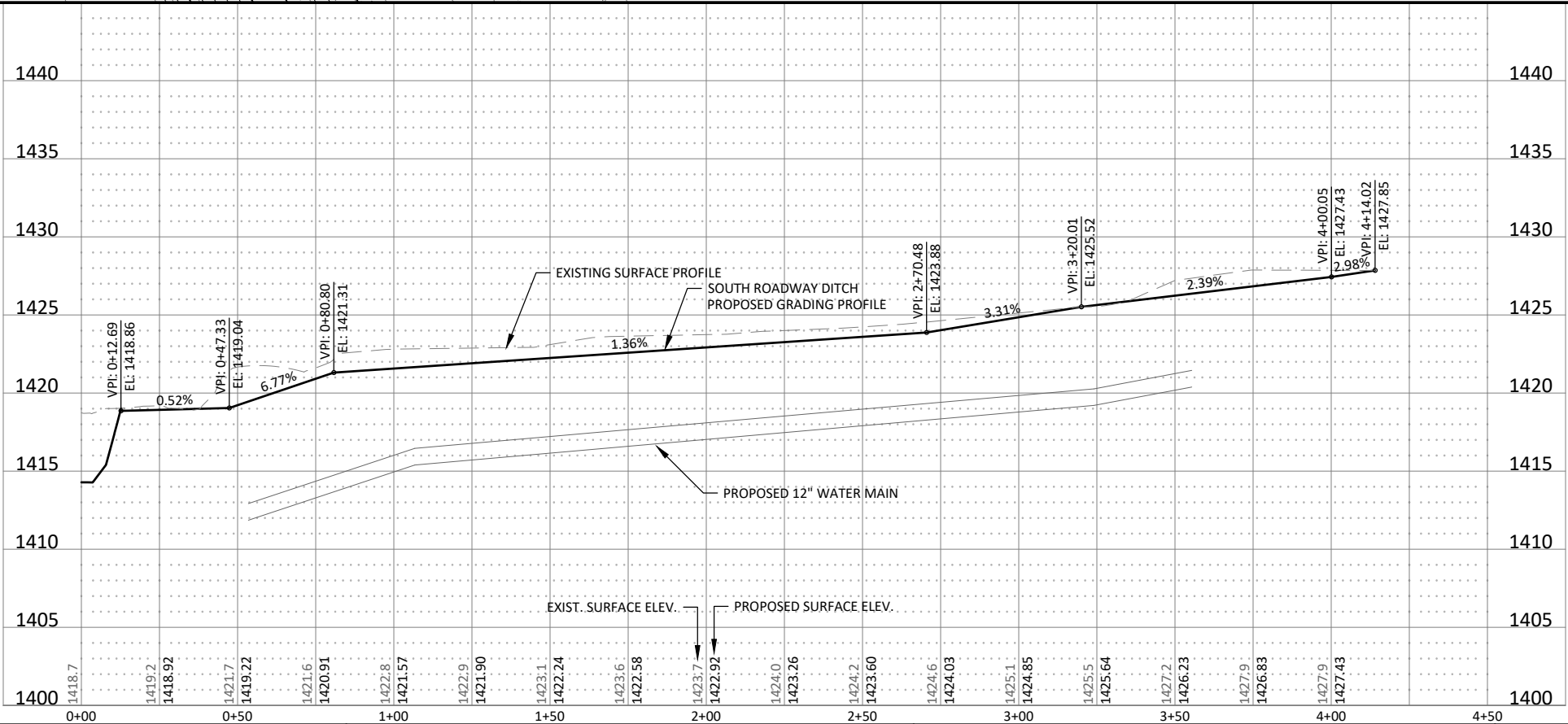
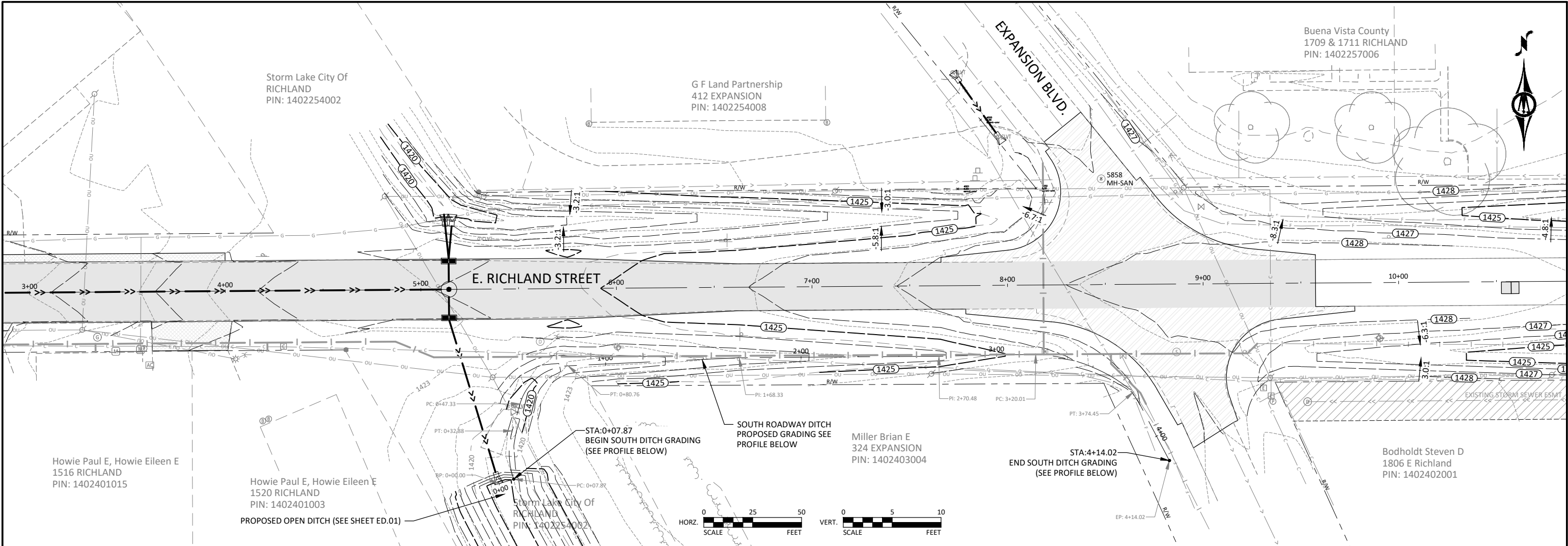


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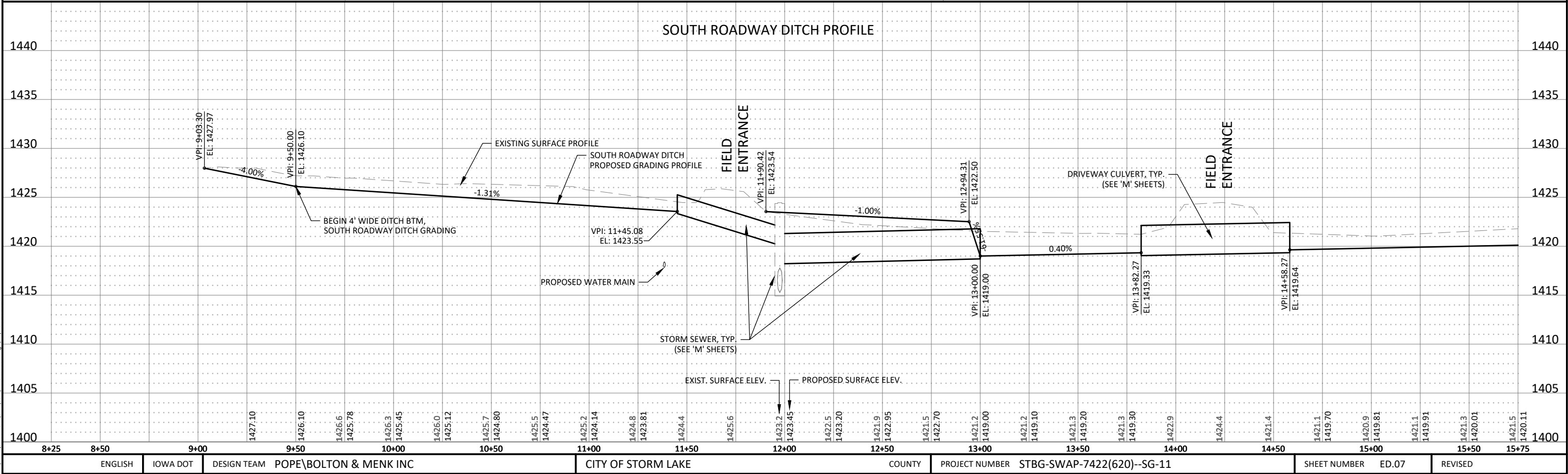
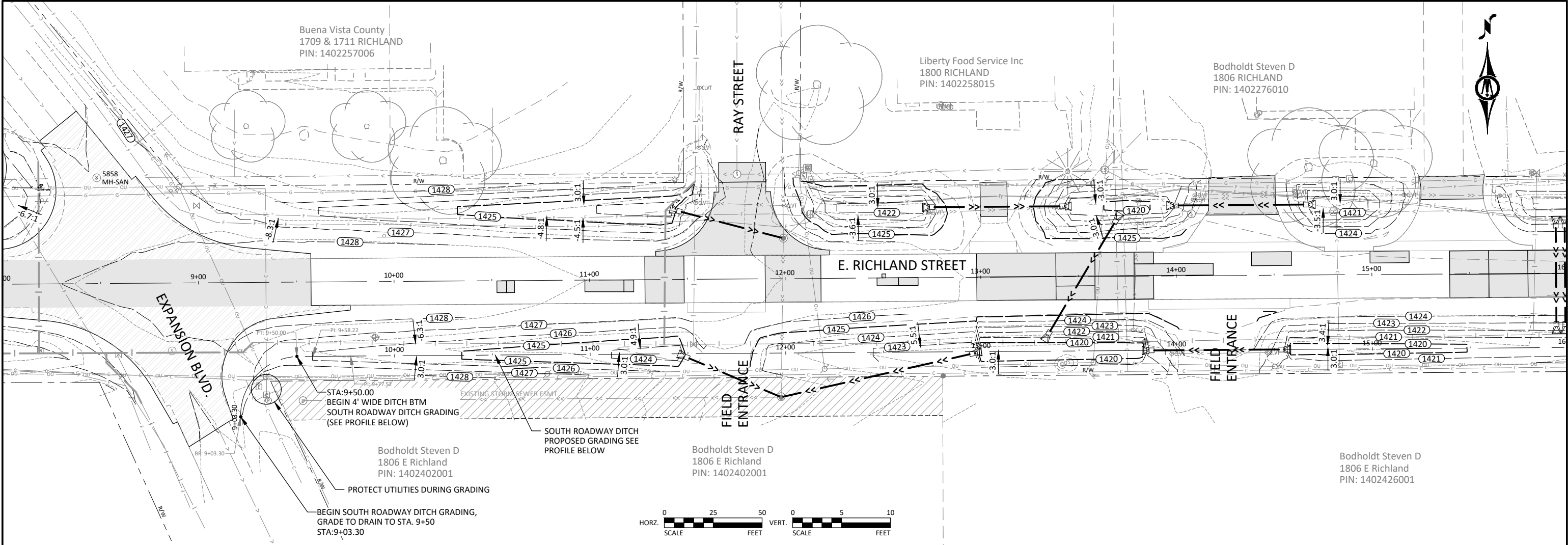
ENGLISH	IOWA DOT	DESIGN TEAM	POPE\BOLTON & MENK INC	CITY OF STORM LAKE	COUNTY	PROJECT NUMBER	STBG-SWAP-7422(620)--SG-11	SHEET NUMBER	ED.03	REVISED
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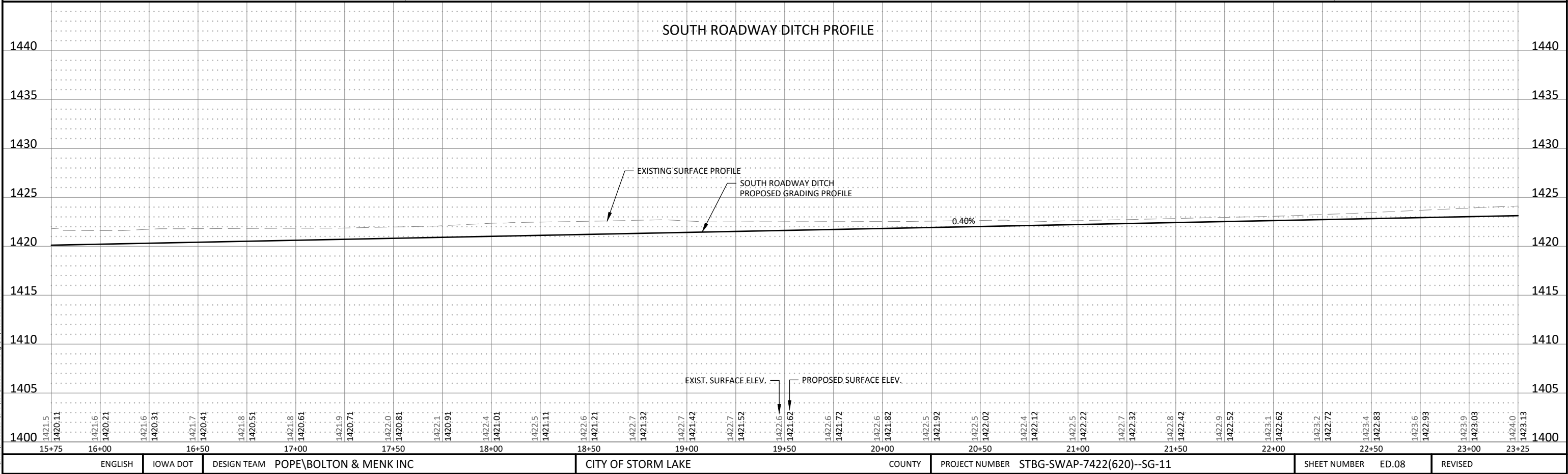
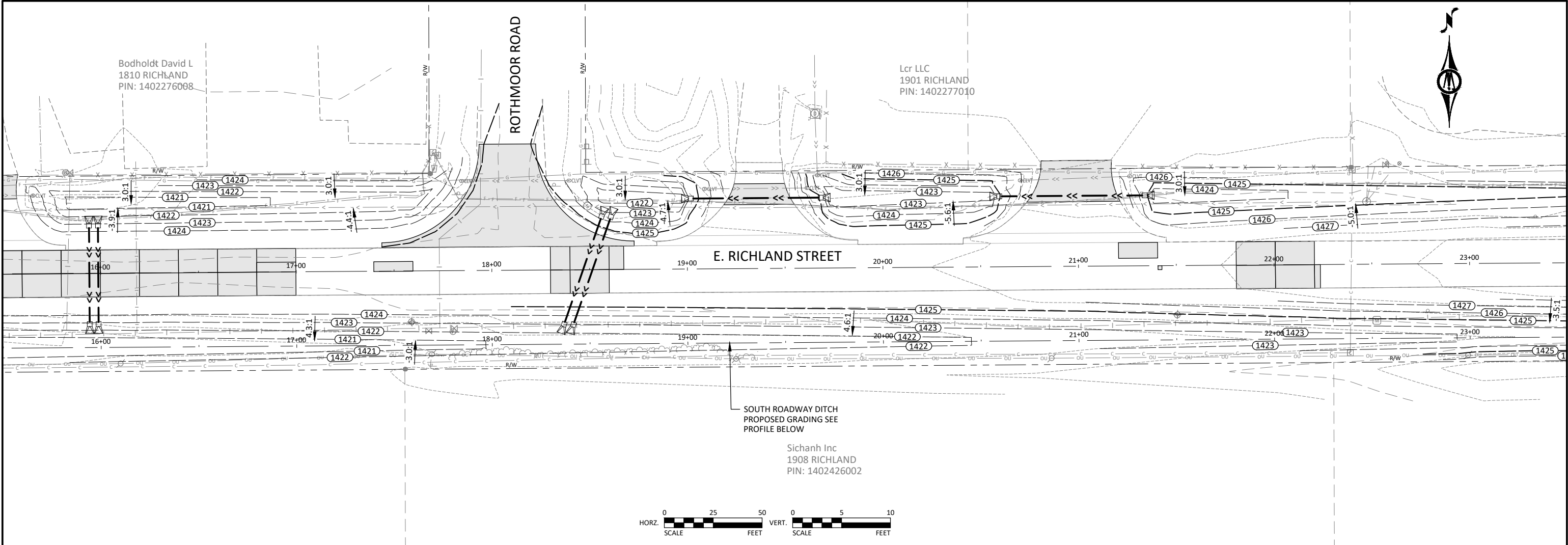


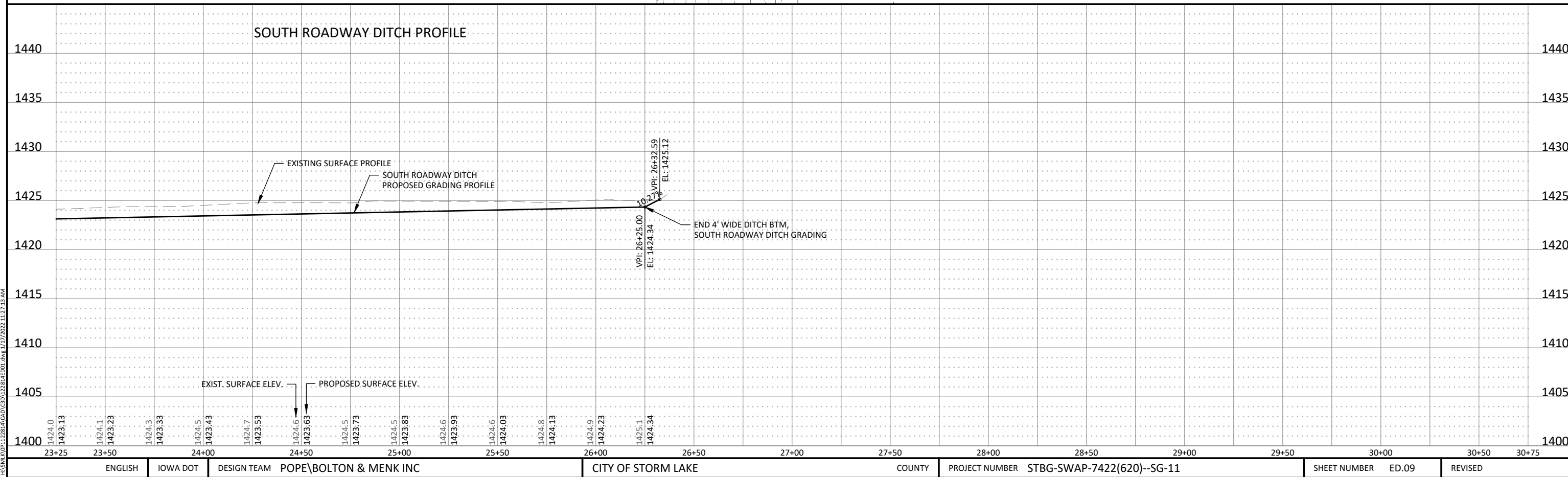
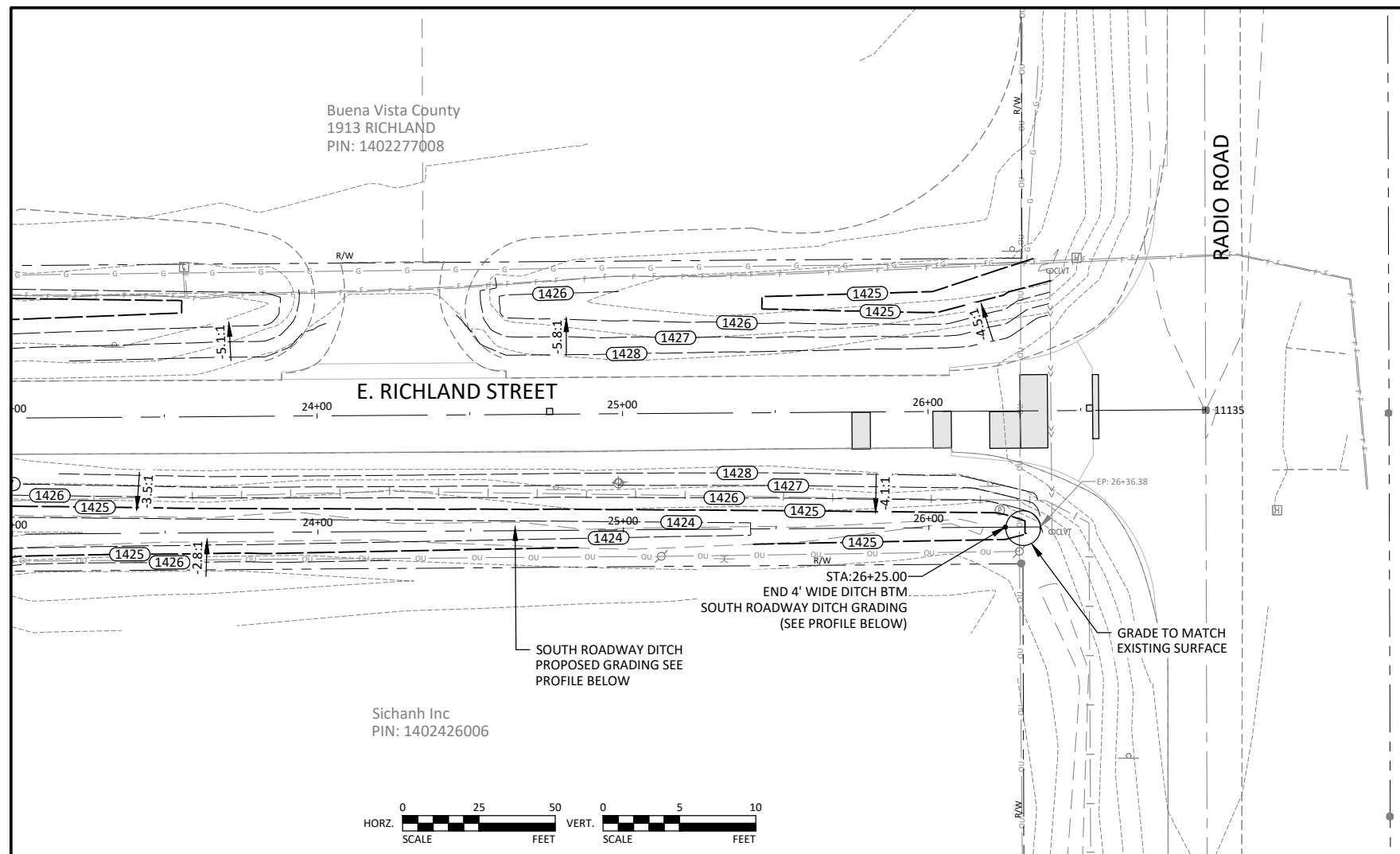
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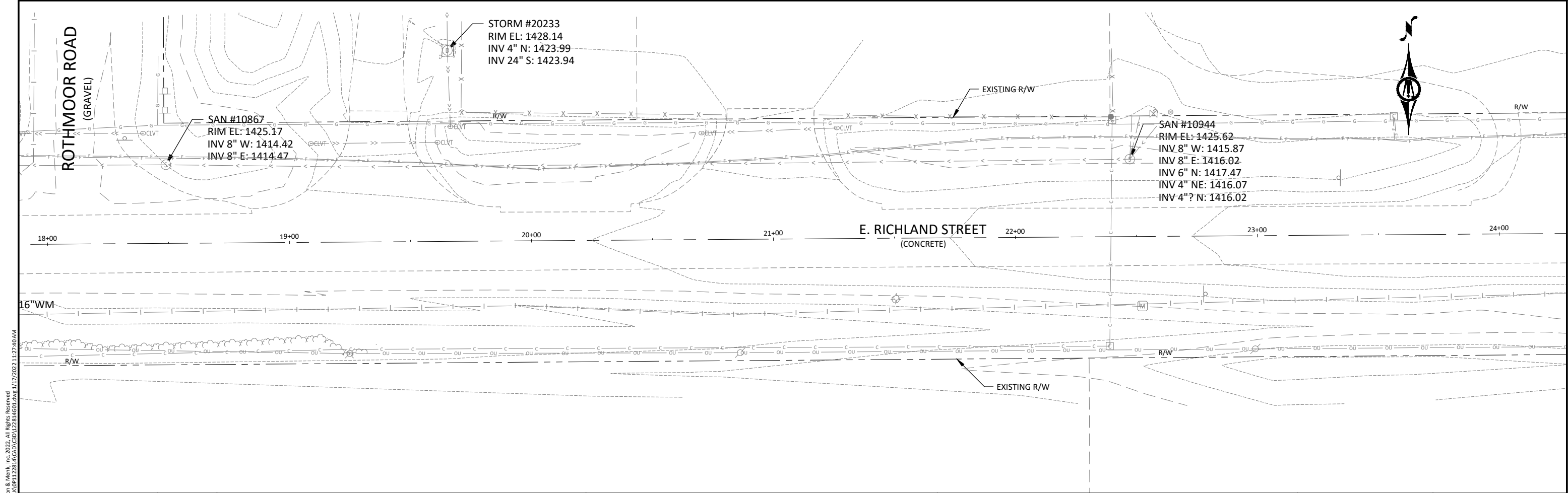
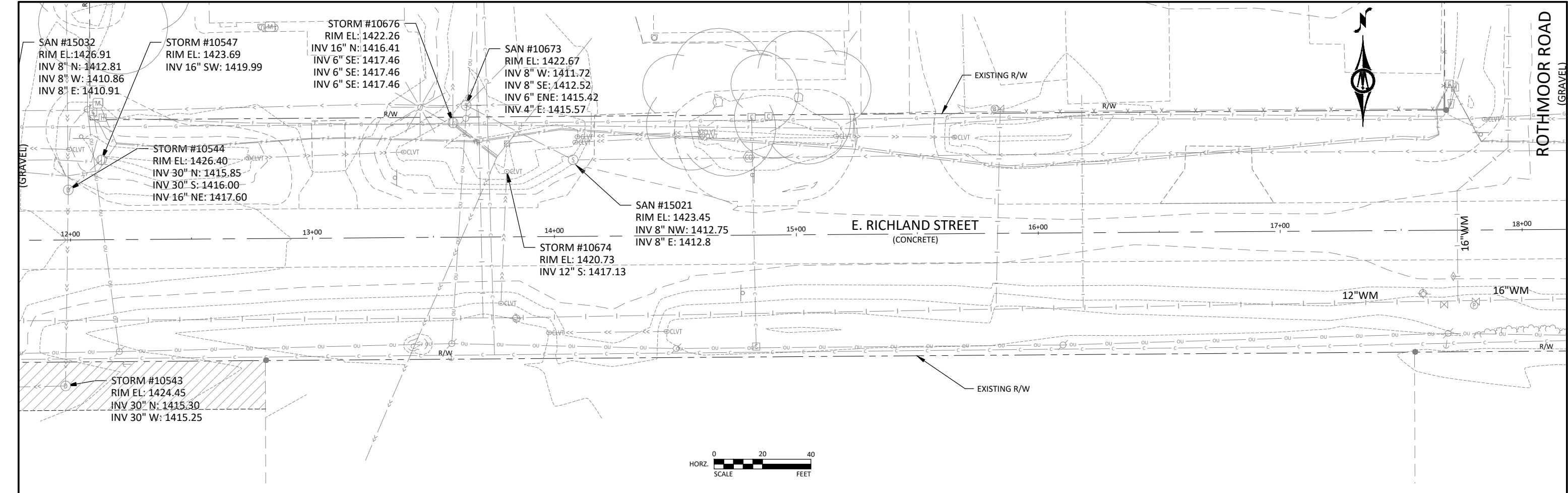


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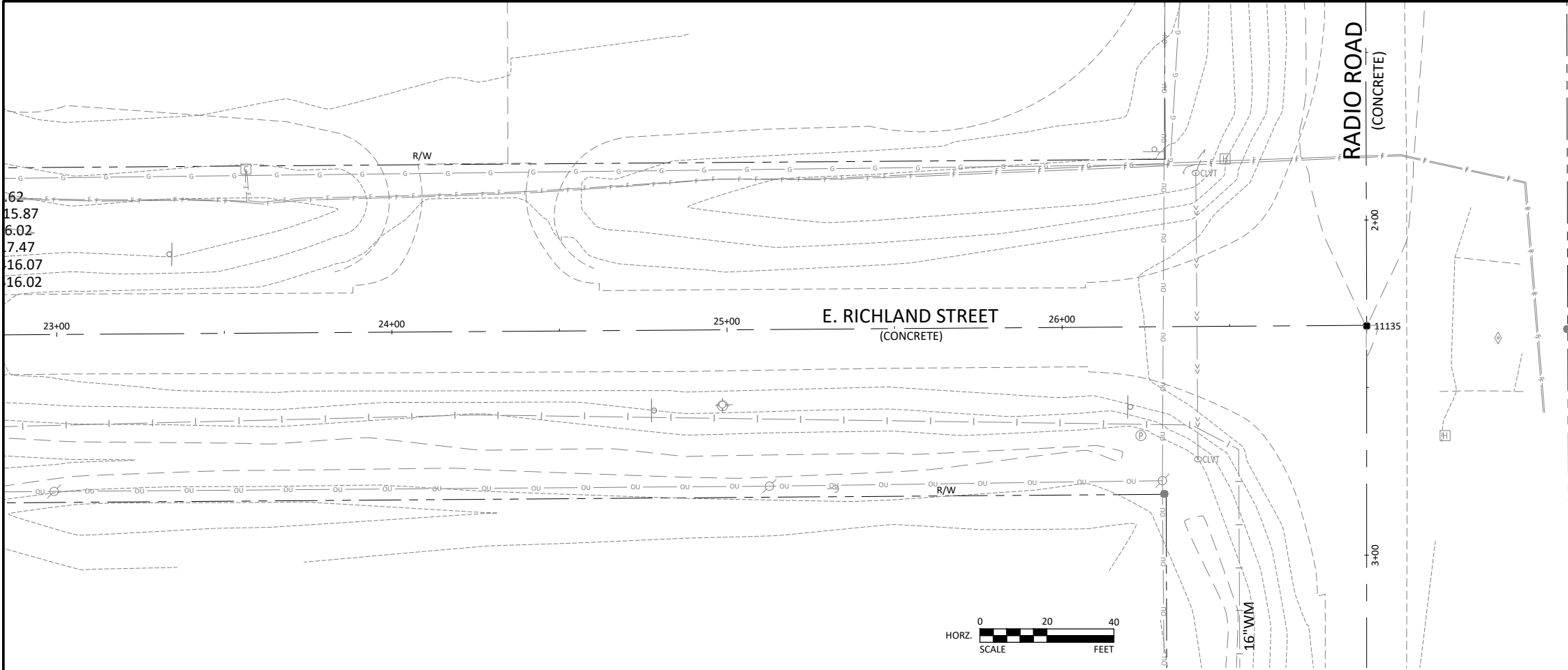
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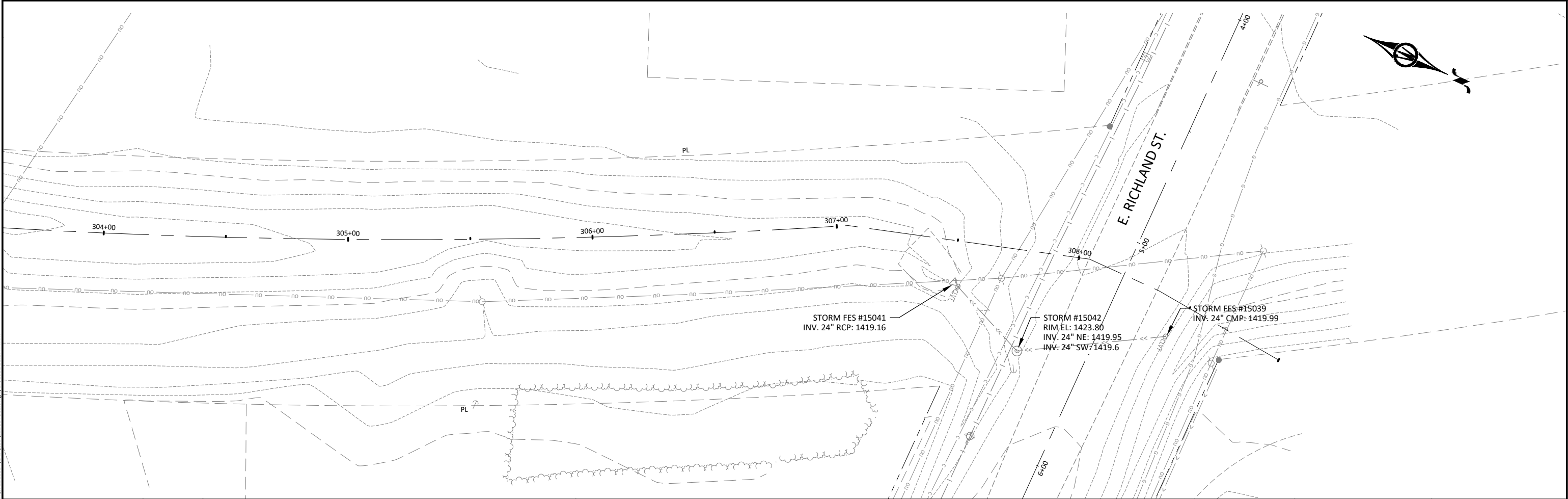
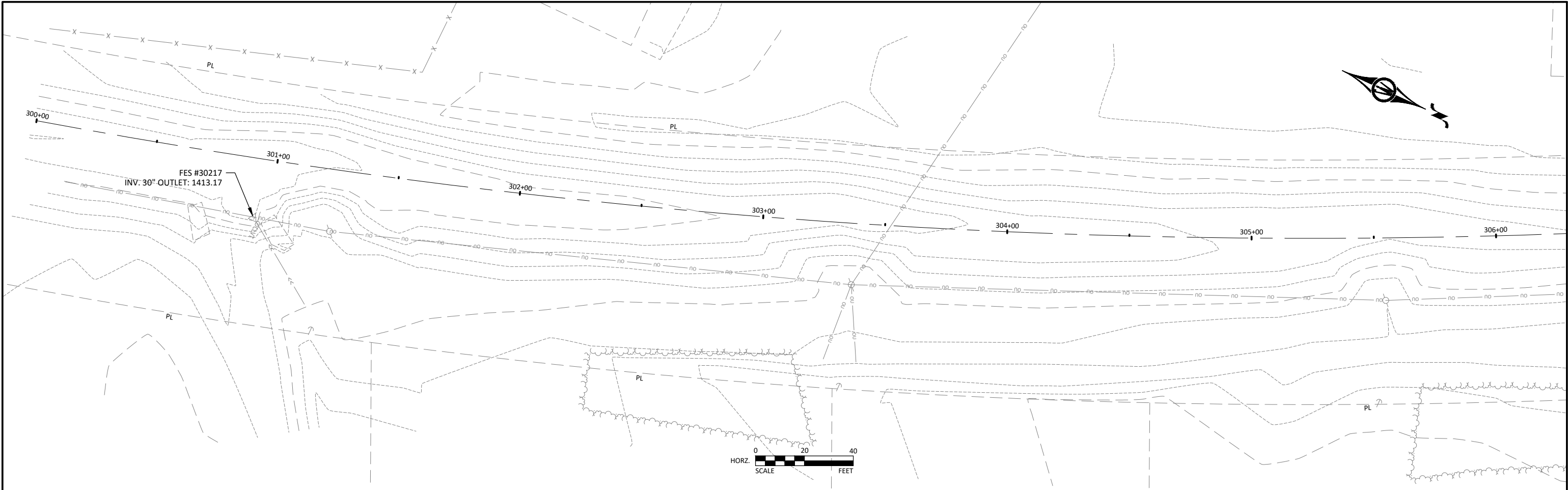




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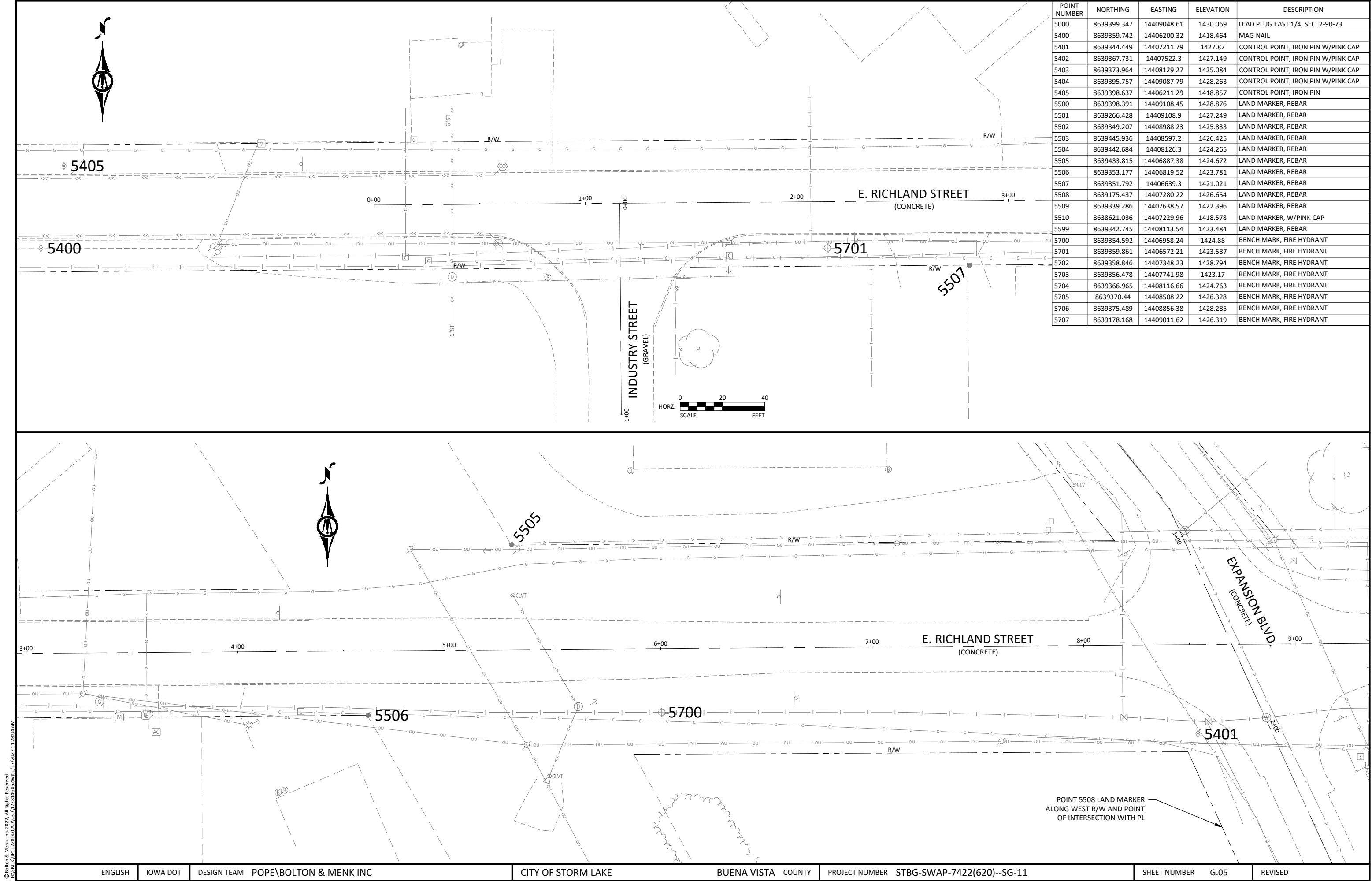


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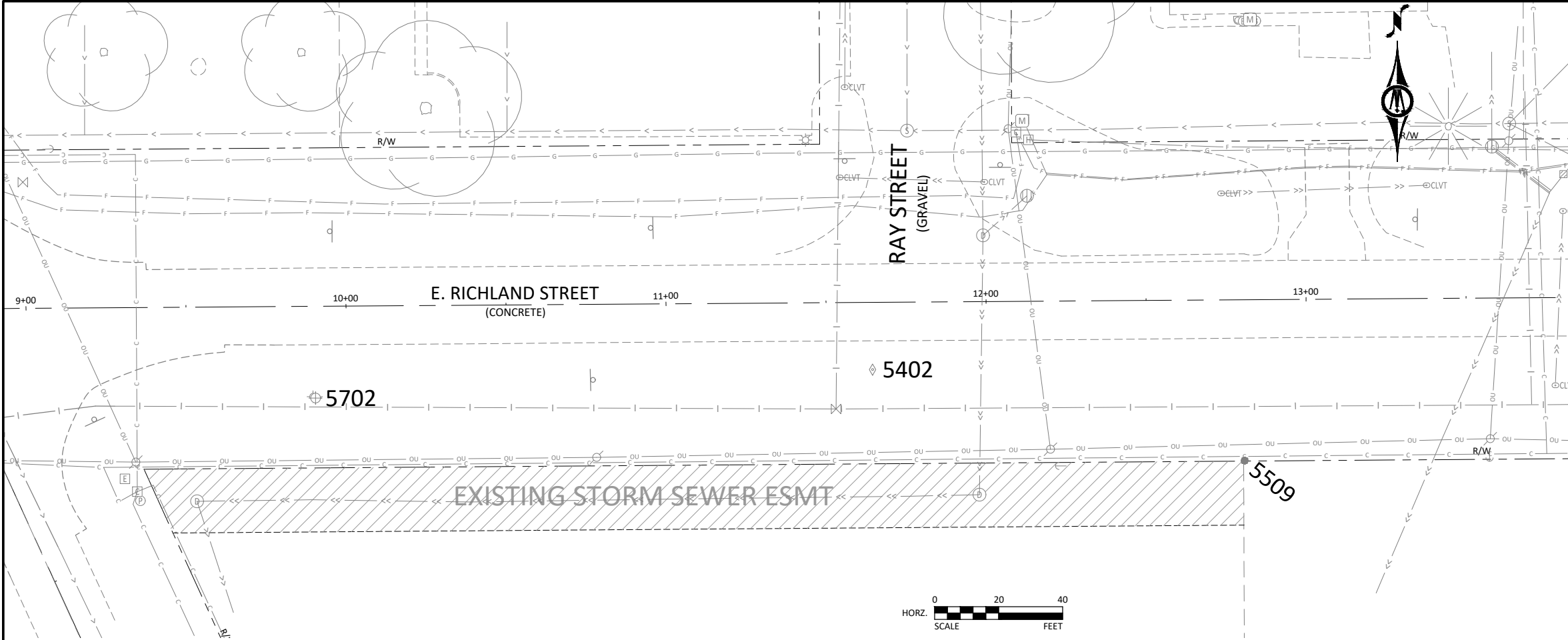


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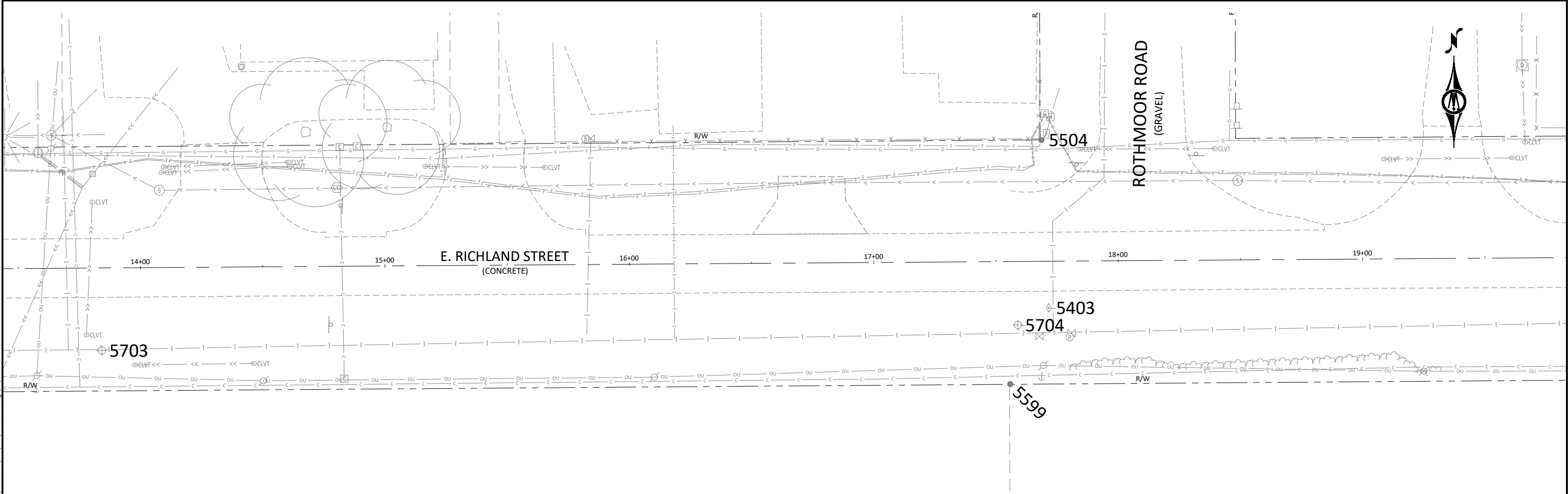
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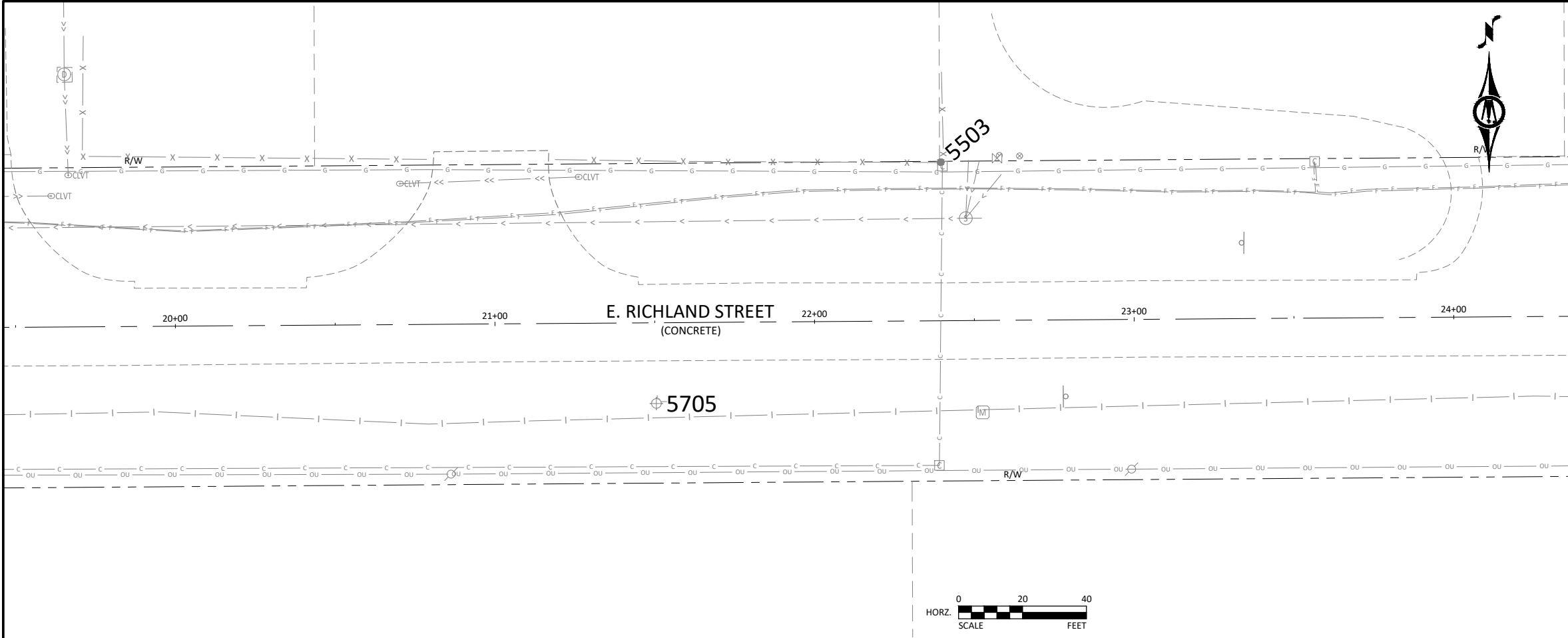
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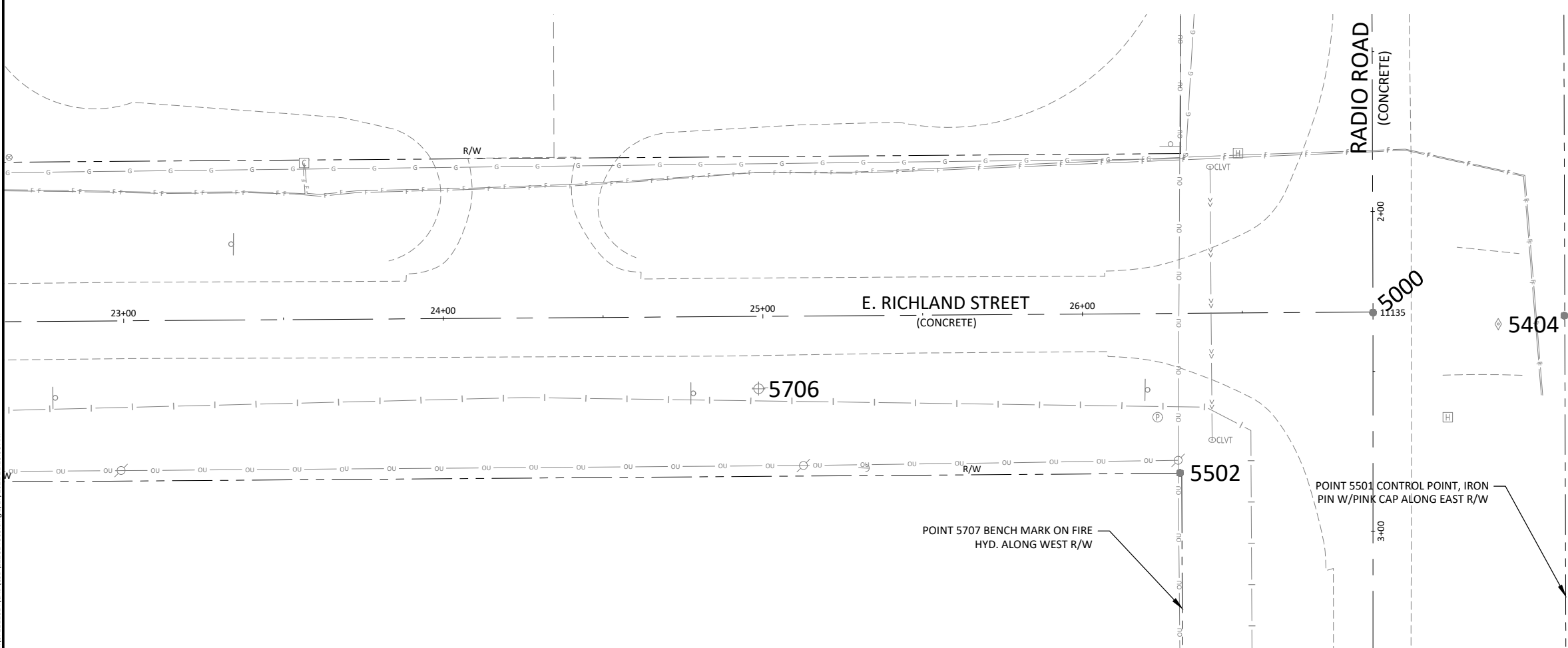
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5400	8639359.742	14406200.32	1418.464	MAG NAIL
5401	8639344.449	14407211.79	1427.87	CONTROL POINT, IRON PIN W/PINK CAP
5402	8639367.731	14407522.3	1427.149	CONTROL POINT, IRON PIN W/PINK CAP
5403	8639373.964	14408129.27	1425.084	CONTROL POINT, IRON PIN W/PINK CAP
5404	8639395.757	14409087.79	1428.263	CONTROL POINT, IRON PIN W/PINK CAP
5405	8639398.637	14406211.29	1418.857	CONTROL POINT, IRON PIN
5500	8639398.391	14409108.45	1428.876	LAND MARKER, REBAR
5501	8639266.428	14409108.9	1427.249	LAND MARKER, REBAR
5502	8639349.207	14408988.23	1425.833	LAND MARKER, REBAR
5503	8639445.936	14408597.2	1426.425	LAND MARKER, REBAR
5504	8639442.684	14408126.3	1424.265	LAND MARKER, REBAR
5505	8639433.815	14406887.38	1424.672	LAND MARKER, REBAR
5506	8639353.177	14406819.52	1423.781	LAND MARKER, REBAR
5507	8639351.792	14406639.3	1421.021	LAND MARKER, REBAR
5508	8639175.437	14407280.22	1426.654	LAND MARKER, REBAR
5509	8639339.286	14407638.57	1422.396	LAND MARKER, REBAR
5510	8638621.036	14407229.96	1418.578	LAND MARKER, W/PINK CAP
5599	8639342.745	14408113.54	1423.484	LAND MARKER, REBAR
5700	8639354.592	14406958.24	1424.88	BENCH MARK, FIRE HYDRANT
5701	8639359.861	14406572.21	1423.587	BENCH MARK, FIRE HYDRANT
5702	8639358.846	14407348.23	1428.794	BENCH MARK, FIRE HYDRANT
5703	8639356.478	14407741.98	1423.17	BENCH MARK, FIRE HYDRANT
5704	8639366.965	14408116.66	1424.763	BENCH MARK, FIRE HYDRANT
5705	8639370.44	14408508.22	1426.328	BENCH MARK, FIRE HYDRANT
5706	8639375.489	14408856.38	1428.285	BENCH MARK, FIRE HYDRANT
5707	8639178.168	14409011.62	1426.319	BENCH MARK, FIRE HYDRANT

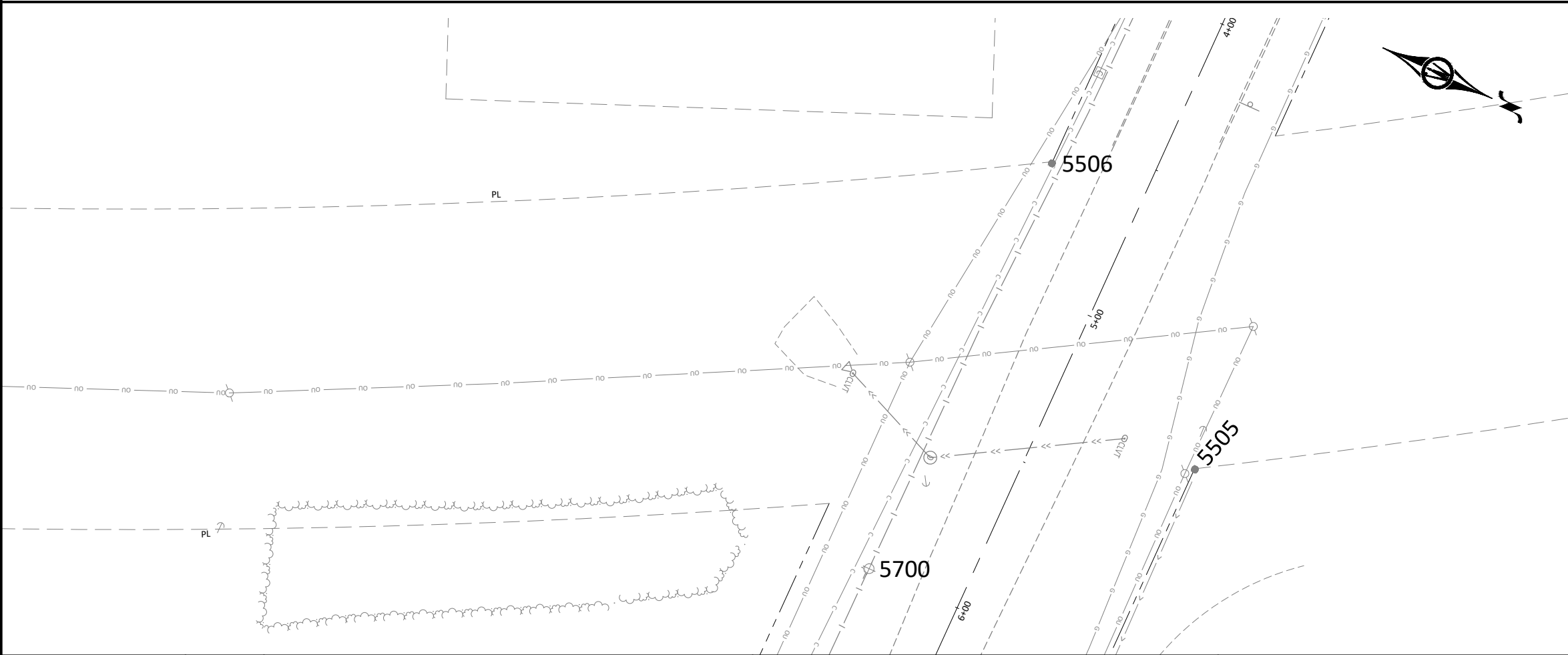
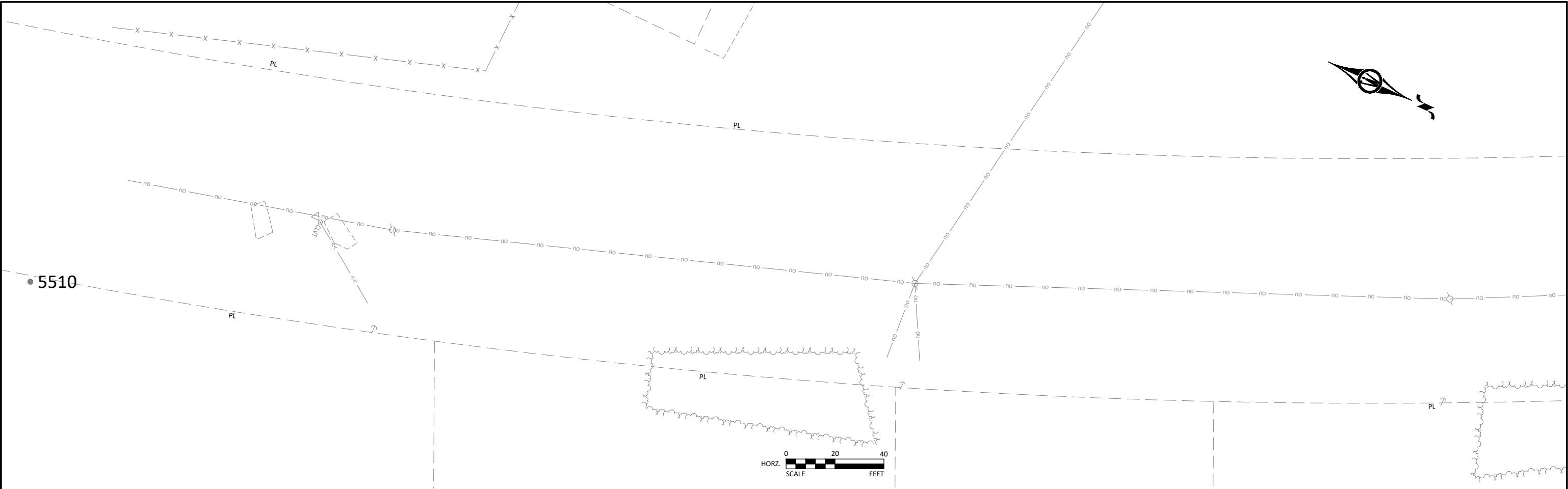


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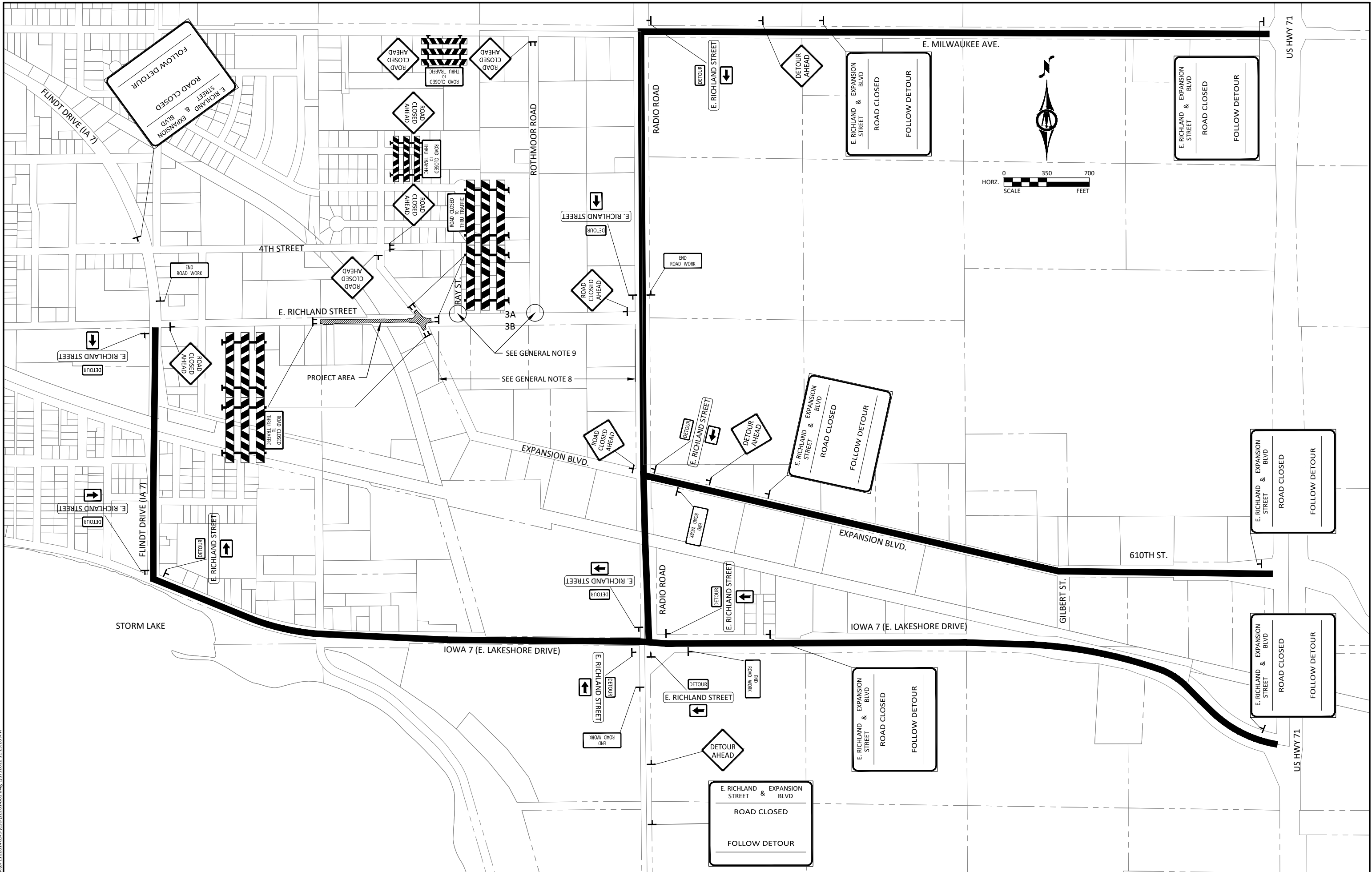
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
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TRAFFIC CONTROL NOTES:

- COORDINATE DETOUR SIGNING WITH IA 110 AND IA 7 CLOSURE / DETOUR.
- THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER PROJECTS IN THE AREA IF NECESSARY. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CLOSURES SHOWN ON THE J SHEETS. FOR ADDITIONAL INFORMATION, REFER TO THE LATEST EDITION 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.
- THE LUMP SUM BID ITEM FOR "TRAFFIC CONTROL" SHALL INCLUDE ALL COSTS FOR TRAFFIC CONTROL MEASURES DURING CONSTRUCTION FOR THIS PROJECT. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
- TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO 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.
- ALL TRAFFIC CONTROL SIGNS SHALL BE PLACED A MINIMUM OF TWO (2) FEET CLEAR OF THE BACK OF CURB OR OUTSIDE EDGE OF SHOULDER WHERE POSSIBLE.
- ALL SIGNS SHALL BE POST MOUNTED UNLESS NOTED OR OTHERWISE APPROVED BY THE CITY.
- PROPOSED SIGN SPACING MAY BE MODIFIED, AS APPROVED BY THE ENGINEER, TO MEET EXISTING FIELD RESTRICTIONS, OR TO PREVENT OBSTRUCTION OF THE MOTORIST'S VIEW OF PERMANENT SIGNING.
- PROPOSED CHANGES IN THE TRAFFIC CONTROL PLAN SHALL BE REVIEWED WITH THE CITY BEFORE CHANGES ARE MADE.
- THIS LAYOUT DOES NOT INCLUDE ALL BARRICADES AS MAY BE REQUIRED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ANY TEMPORARY REGULATORY SIGNS ARE TO BE PROVIDED, LOCATED, AND MAINTAINED BY THE CONTRACTOR.
- ALL CONTRACTOR FURNISHED TRAFFIC CONTROL AND FIXED, POST MOUNTED, TRAFFIC CONTROL SIGNS USED ON THIS PROJECT SHALL BE SHEETED WITH HIGH-VISIBILITY PRISMATIC REFLECTIVE SHEETING (TYPE III OR HIGHER).
- THE CONTRACTOR SHALL FURNISH THE CITY WITH NAMES AND TELEPHONE NUMBERS OF INDIVIDUALS RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES AND SIGNING. THE INDIVIDUAL(S) SHALL BE AVAILABLE FOR CORRECTIVE ACTION 24 HOURS A DAY, 7 DAYS A WEEK.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF STREET OR LANE CLOSURE TWO (2) WEEKS PRIOR TO THE CLOSURE. STREET OR LANE CLOSURE NOTIFICATION TO BE ISSUED BY THE CITY FIVE (5) DAYS PRIOR TO CLOSURE. THE CONTRACTOR SHALL COORDINATE CLOSURE WITH THE CITY TO ENSURE THE ABOVE DEADLINES ARE ACHIEVED. CONTRACTOR SHALL COORDINATE DETOUR INFORMATION WITH CITY OF STORM LAKE, POST OFFICE, AND GARBAGE/RECYCLING SERVICES.
- THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, MOVE, AND REMOVE ALL TRAFFIC CONTROL DEVICES ON THE PROJECT. ALL SIGNS SHALL BE REFLECTORIZED AND CONFORM AS TO DESIGN, COLOR, SIZE, AND LEGEND TO 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.
- THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS, WITH BOTH WRITTEN NOTICE AND PERSONAL CONTACT, WHEN ACCESS TO A PROPERTY WILL EITHER BE RESTRICTED OR NOT BE AVAILABLE DUE TO CONSTRUCTION ACTIVITIES.
- NO FIELD MEASUREMENT SHALL BE MADE FOR THE TRAFFIC CONTROL BID ITEM. THE CONTRACTOR SHALL BE PAID THE LUMP SUM BID AMOUNT FOR TRAFFIC CONTROL.
- SIGNAGE MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND REQUIRED AS DIRECTED BY THE ENGINEER.
- THE LOCATION FOR STORAGE OF EQUIPMENT BY THE CONTRACTOR DURING NONWORKING HOURS SHALL BE AS APPROVED BY THE ENGINEER, AND THE CONTRACTOR SHALL PROVIDE A WRITTEN AGREEMENT WITH THE PROPERTY OWNER.
- MULTIPLE MOBILIZATIONS ARE ANTICIPATED FOR TRAFFIC CONTROL TO ADJUST THE TRAFFIC CONTROL DEVICES FOR THE DIFFERENT STAGES OF CONSTRUCTION. THESE MOBILIZATIONS SHALL BE INCIDENTAL TO TRAFFIC CONTROL BID ITEM.
- ACCESS TO RESIDENCES SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE CONTRACT.
- FOLLOW STANDARD ROAD PLAN TC-212 DURING THIS PHASE OF PAVEMENT REPAIR (FULL DEPTH PATCHING).
- FOLLOW STANDARD ROAD PLAN TC-252, SITUATION 3 DURING THIS PHASE OF PAVEMENT REPAIR (FULL DEPTH PATCHING).

STAGING NOTES

- ANY ADJUSTMENT TO THE STAGING/TRAFFIC CONTROL SHALL BE COORDINATED WITH THE CITY OF STORM LAKE AND ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE.

STAGE 2

STAGE 1

STAGE 3

3A

3B

STAGE 1 - E. RICHLAND STREET STA. 0+49.8 TO 7+66

- PLACE TRAFFIC CONTROL FOR STAGE 1.
- INSTALL DETOUR AND TRAFFIC CONTROL AS SHOWN ON SHEET J.01.
- VERIFY ALL UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES.
- CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING OR DEWATERING REQUIRED FOR STORM SEWER.
- COMPLETE OPEN DITCH GRADING.
- COMPLETE ALL ROADWAY DITCHES GRADING.
- INSTALL ALL STORM SEWER AS DETAILED.
- INSTALL ALL WATER MAIN AS DETAILED WITHIN STAGE 1.
- COMPLETE ROADWAY PAVEMENT.
- COMPLETE ALL EROSION CONTROL AS SHOWN ON 'RC' SHEETS.
- DO NOT BEGIN CONSTRUCTION OF STAGE 2 UNTIL STAGE 1 HAS BEEN COMPLETED AND APPROVED BY ENGINEER.
- ANY ALTERATIONS TO THE STAGING PLAN SHOWN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.

STAGE 2 - E. RICHLAND STREET STA. 7+66 TO 9+77 AND EXPANSION BLVD. STA. 0+65 TO 2+41

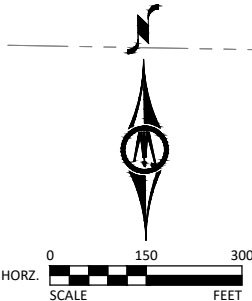
- PLACE TRAFFIC CONTROL FOR STAGE 2.
- INSTALL DETOUR AND TRAFFIC CONTROL AS SHOWN ON SHEET J.01.
- VERIFY ALL UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING OR DEWATERING REQUIRED FOR STORM SEWER AND SANITARY SEWER.
- COMPLETE ALL ROADWAY DITCHES GRADING.
- INSTALL ALL STORM SEWER AS DETAILED.
- INSTALL ALL SANITARY SEWER AS DETAILED.
- INSTALL ALL WATER MAIN AS DETAILED WITHIN STAGE 2.
- COMPLETE ROADWAY PAVEMENT.
- COMPLETE ALL EROSION CONTROL AS SHOWN ON 'RC' SHEETS.
- DO NOT BEGIN CONSTRUCTION OF STAGE 3 UNTIL STAGE 2 HAS BEEN COMPLETED AND APPROVED BY ENGINEER.
- ANY ALTERATIONS TO THE STAGING PLAN SHOWN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.

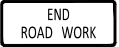
STAGE 3 (3A & 3B) - E. RICHLAND STREET STA. 9+77 TO RADIO ROAD

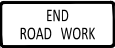
- PLACE TRAFFIC CONTROL FOR STAGE 3A AND 3B.
- INSTALL DETOUR AND TRAFFIC CONTROL AS SHOWN ON SHEET J.01.
- VERIFY ALL UTILITIES PRIOR TO EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING OR DEWATERING REQUIRED FOR STORM SEWER.
- COMPLETE ALL ROADWAY DITCHES, GRADING.
- INSTALL ALL STORM SEWER AS DETAILED.
- INSTALL ALL WATER MAIN AS DETAILED WITHIN STAGE 3.
- COMPLETE ROADWAY PAVEMENT AND PATCHING AS DETAILED.
- COMPLETE ALL EROSION CONTROL AS SHOWN ON 'RC' SHEETS.
- ANY ALTERATIONS TO THE STAGING PLAN SHOWN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- TEMPORARY ROAD CLOSURES ALLOWED FOR INSTALLATION OF ROADWAY CULVERTS AND OPEN TRENCHED WATER MAIN CONSTRUCTION. BACKFILL AND PROVIDE TEMPORARY ROADWAY AGGREGATE (CLASS 'A', INCIDENTAL TO PATCHING) FOR TRAFFIC UNTIL PATCHING CAN BE COMPLETED. ONLY ONE CROSSING AT A TIME SHALL BE SCHEDULED FOR CONSTRUCTION AND COMPLETED BEFORE CONTINUING TO NEXT CROSSING. ADJUST TRAFFIC CONTROL ACCORDINGLY FOR EACH CROSSING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES.

STAGE 3A (NORTH HALF OF E. RICHLAND ST. BETWEEN STA. 9+77 TO RADIO ROAD

- COMPLETE ALL PAVEMENT PATCHING, PAVING RAY STREET INTERSECTION, AND PAVING ROTHMOOR ROAD INTERSECTION BEFORE CONSTRUCTION BEGINS ON STAGE 3B (SOUTH HALF OF E. RICHLAND STREET).
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES.

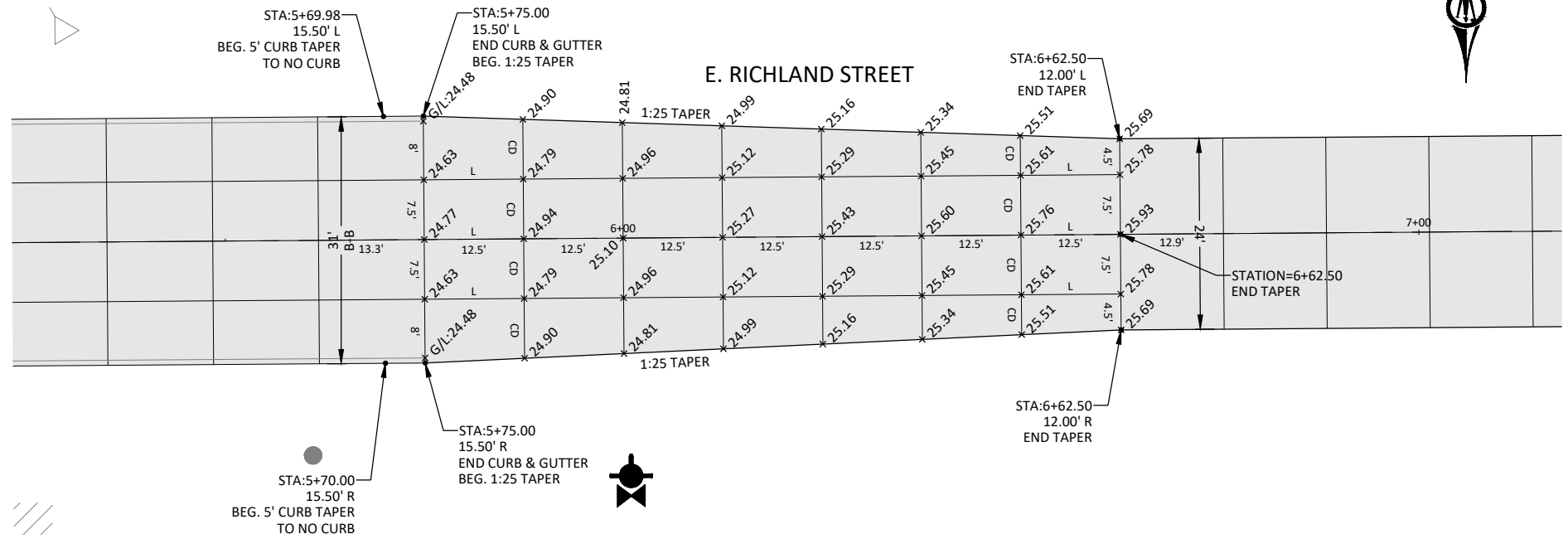
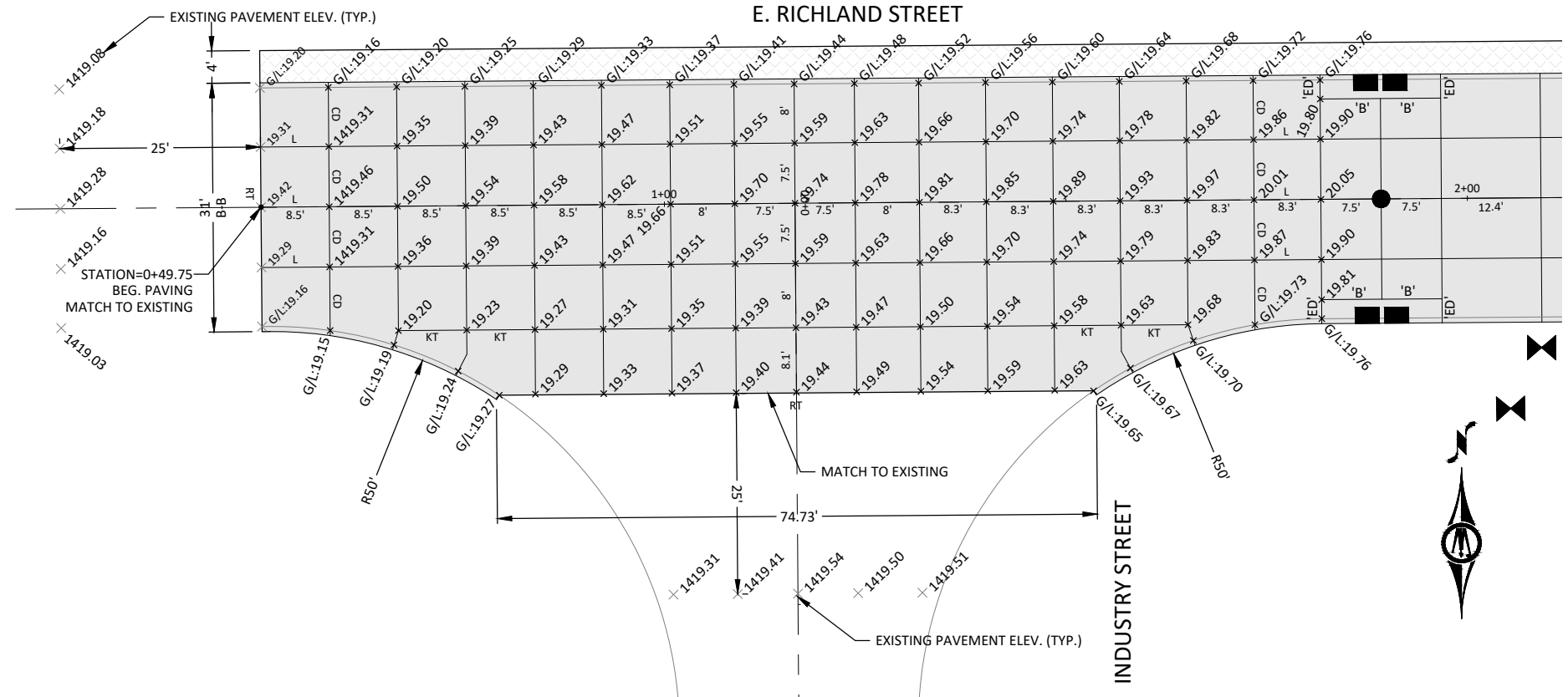


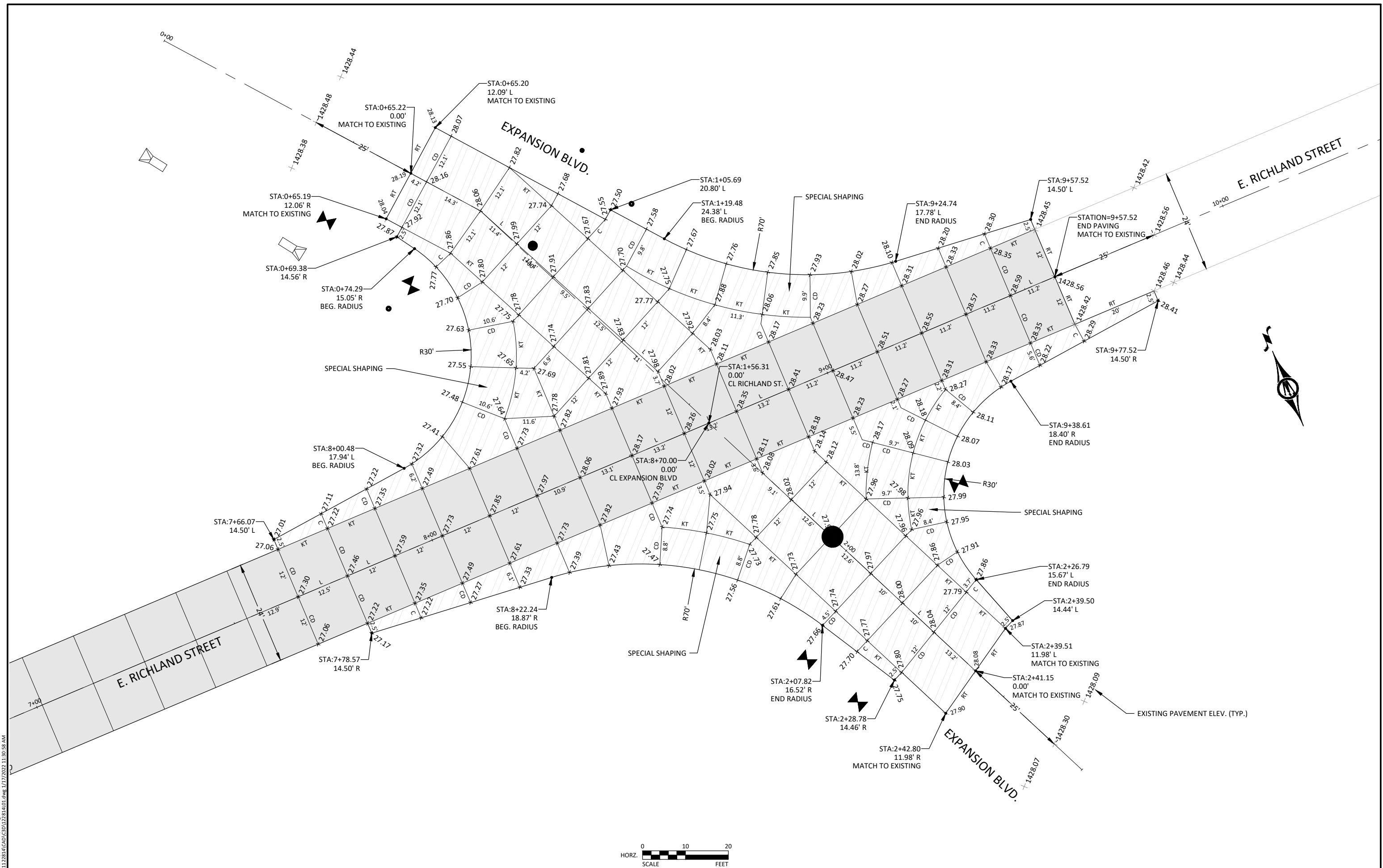
TRAFFIC CONTROL SIGN TABULATIONS (DETOUR & TRAFFIC CONTROL)				
SIGN	SIGN NO.	COLOR	SIZE	QUANTITY
	G20-X1	BLACK ON ORANGE	66" X 60"	8
	G20-2A	BLACK ON ORANGE	48" X 24"	5
	R11-4	BLACK ON WHITE	48" X 30"	4
	M4-8	BLACK ON ORANGE	24" X 12"	10
	M6-1_L	BLACK ON ORANGE	21" X 15"	5
	M6-1_R	BLACK ON ORANGE	21" X 15"	2
	M6-3	BLACK ON ORANGE	21" X 15"	3
	T3-3	WHITE ON ORANGE	72" X 6"	6
	W20-2	BLACK ON ORANGE	48" X 48"	5
	W20-3	BLACK ON ORANGE	48" X 48"	8
	CUSTOM	BLACK ON ORANGE	24" X 6"	10

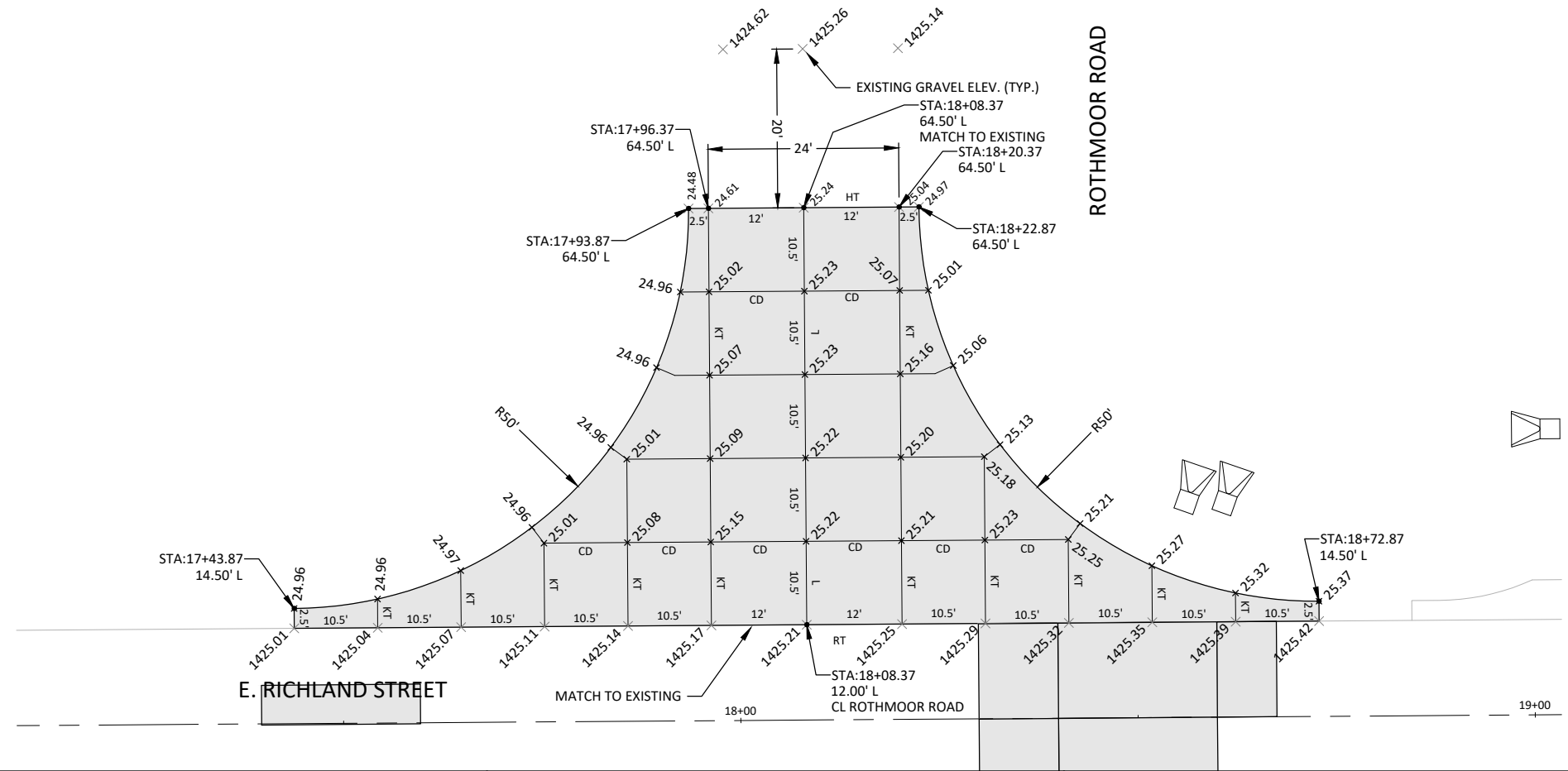
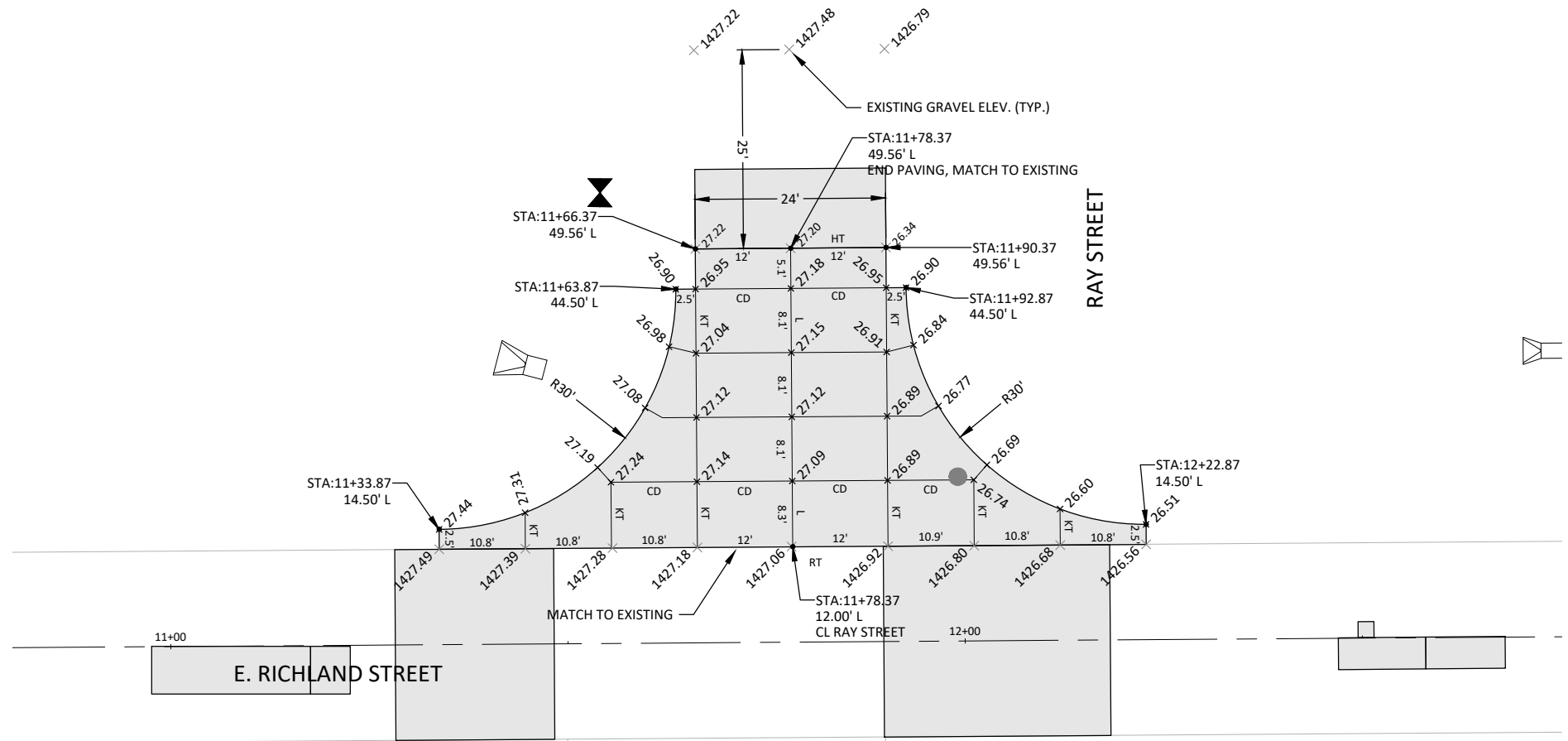
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SIGN	SIGN NO.	COLOR	SIZE	QUANTITY
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	W20-1	BLACK ON ORANGE	48" X 48"	2
	W20-4	BLACK ON ORANGE	48" X 48"	2
	W20-7A	BLACK ON ORANGE	48" X 48"	2

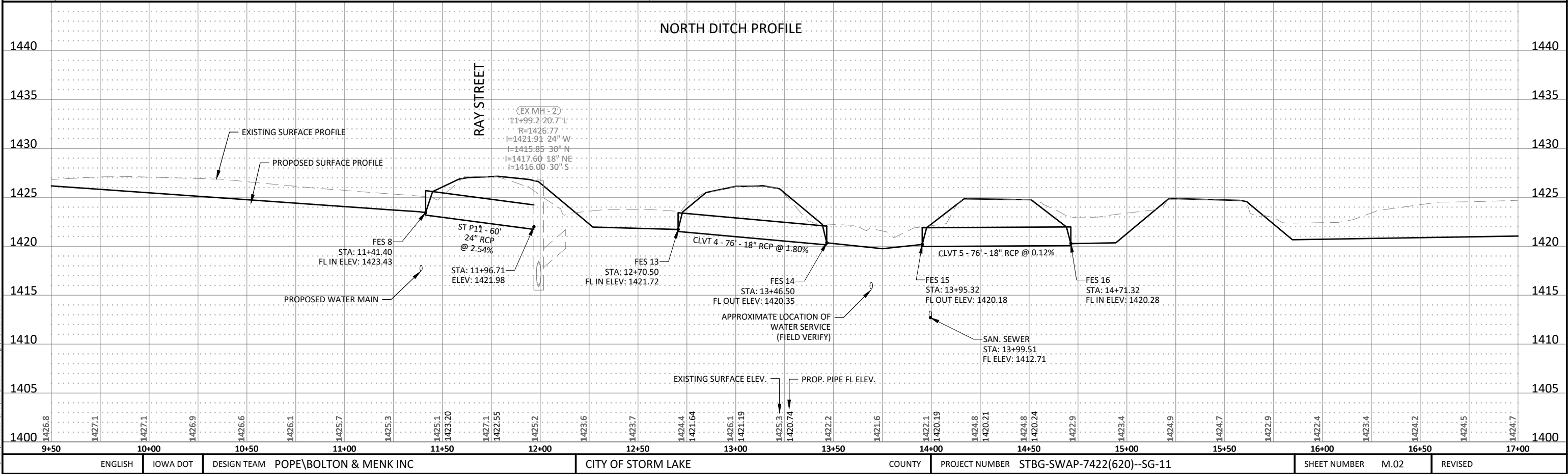
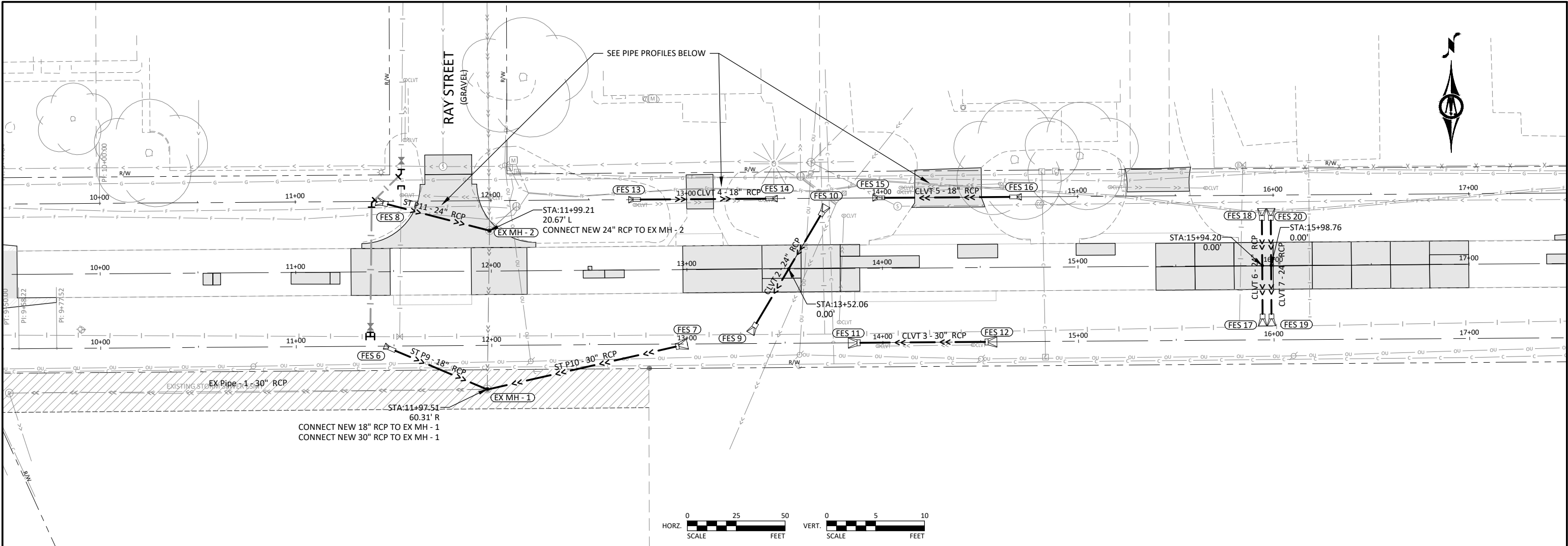
TRAFFIC CONTROL SIGN TABULATIONS (STD RD PLAN TC-252)				
SIGN	SIGN NO.	COLOR	SIZE	QUANTITY
	W20-3	BLACK ON ORANGE	48" X 48"	1
	W20-3	BLACK ON ORANGE	48" X 48"	1

GENERAL NOTES:
1. SIGNS MAYBE RELOCATED AS NEEDED FOR TRAFFIC CONTROL AS CONSTRUCTION IS COMPLETED IN EACH STAGE OF CONSTRUCTION.

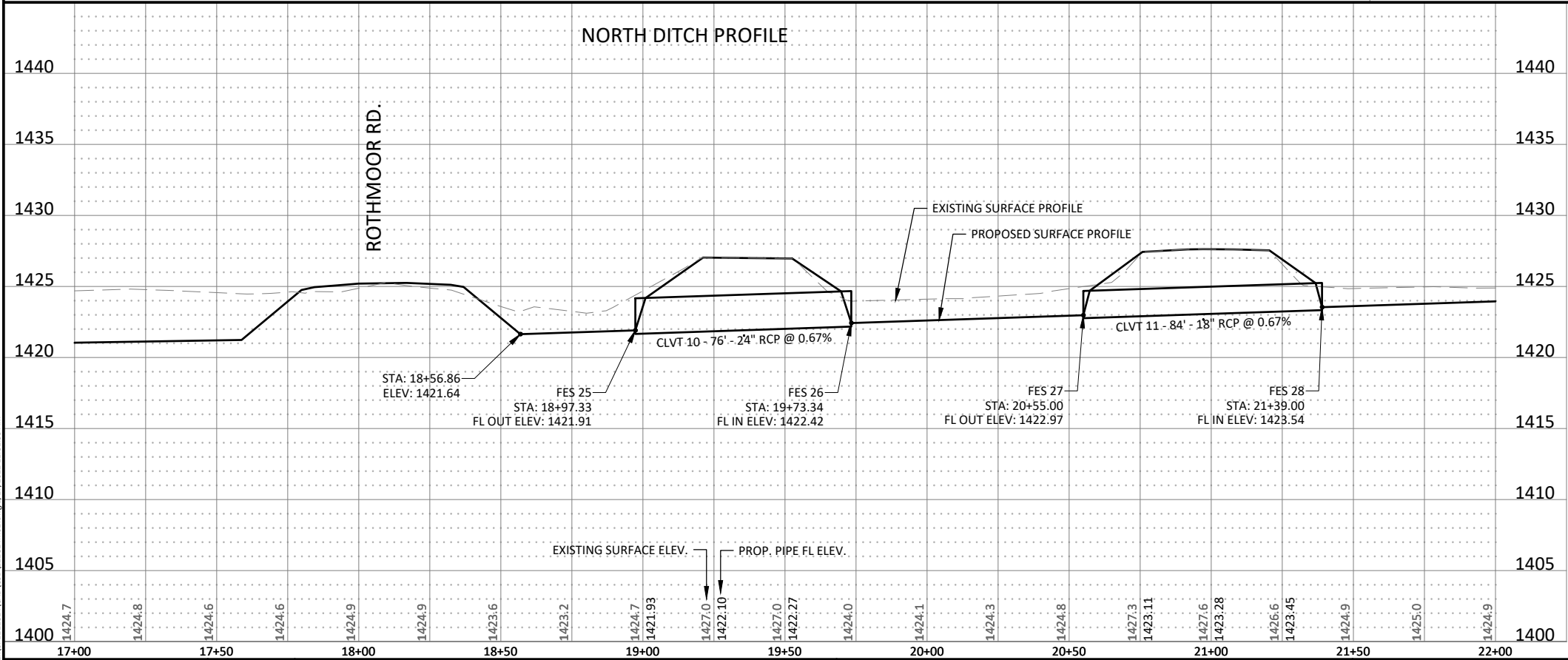
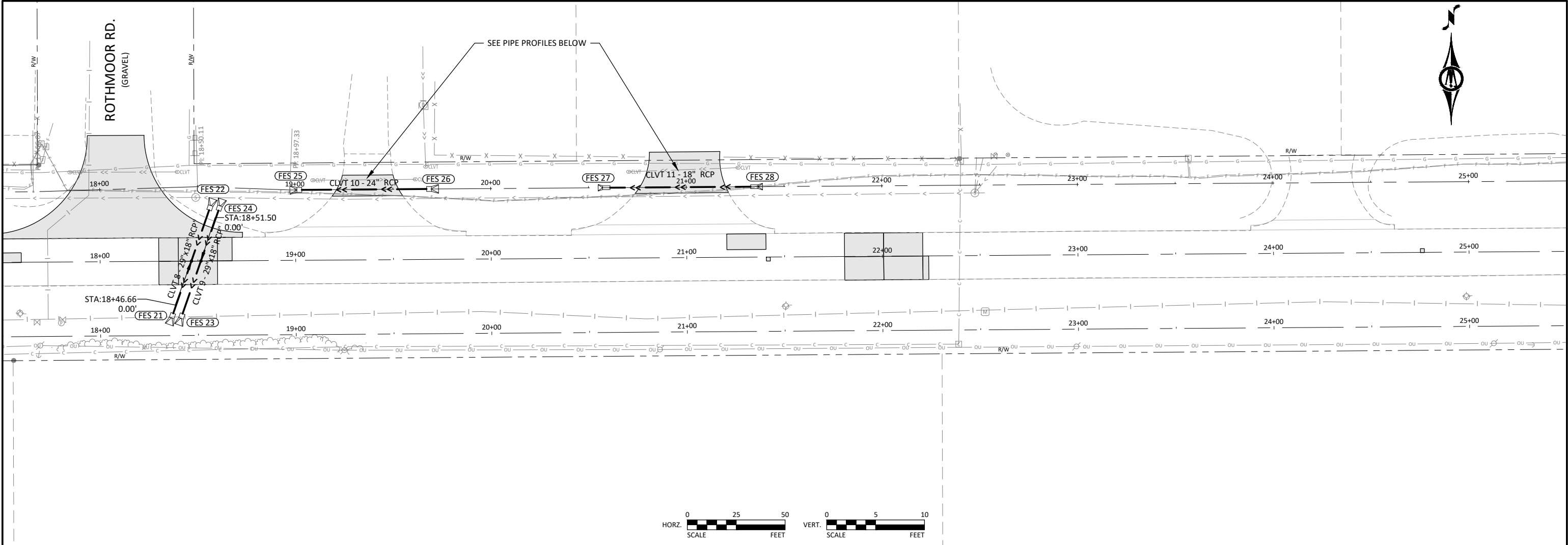




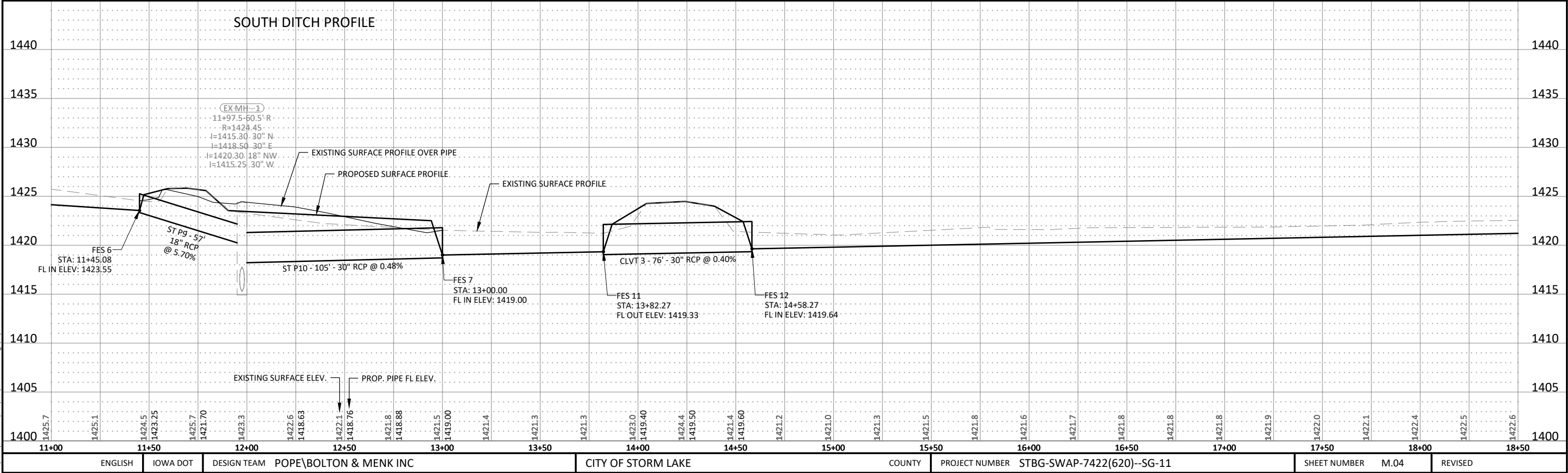
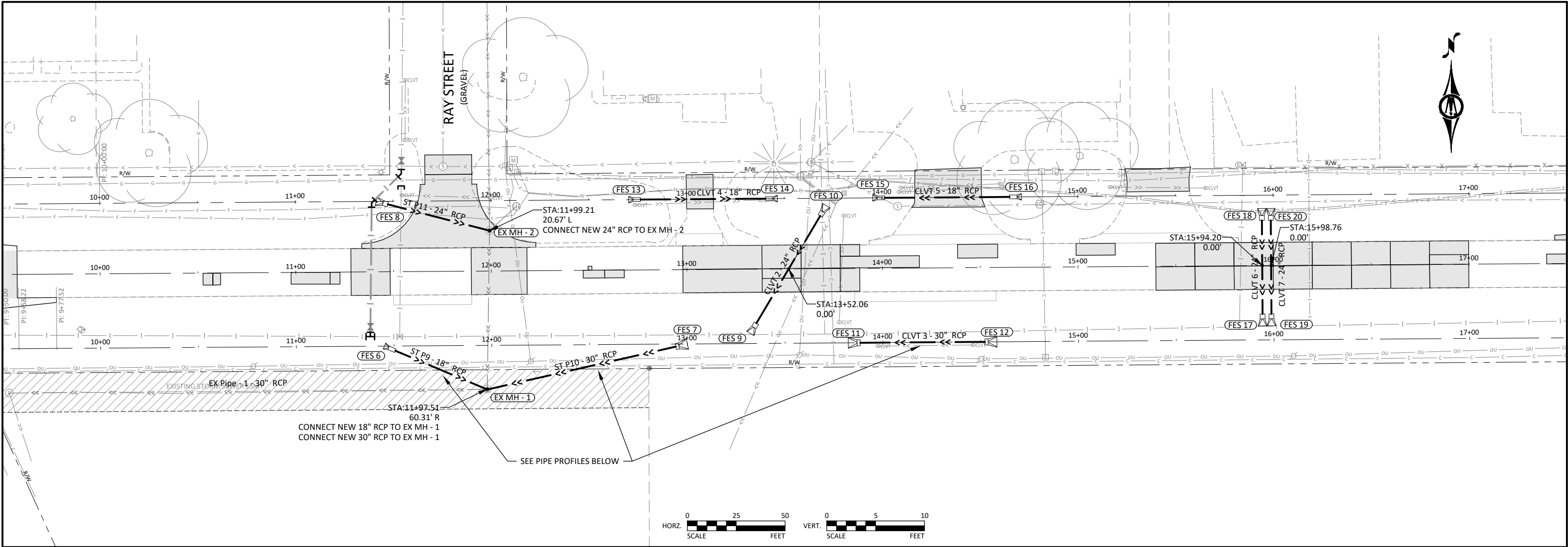




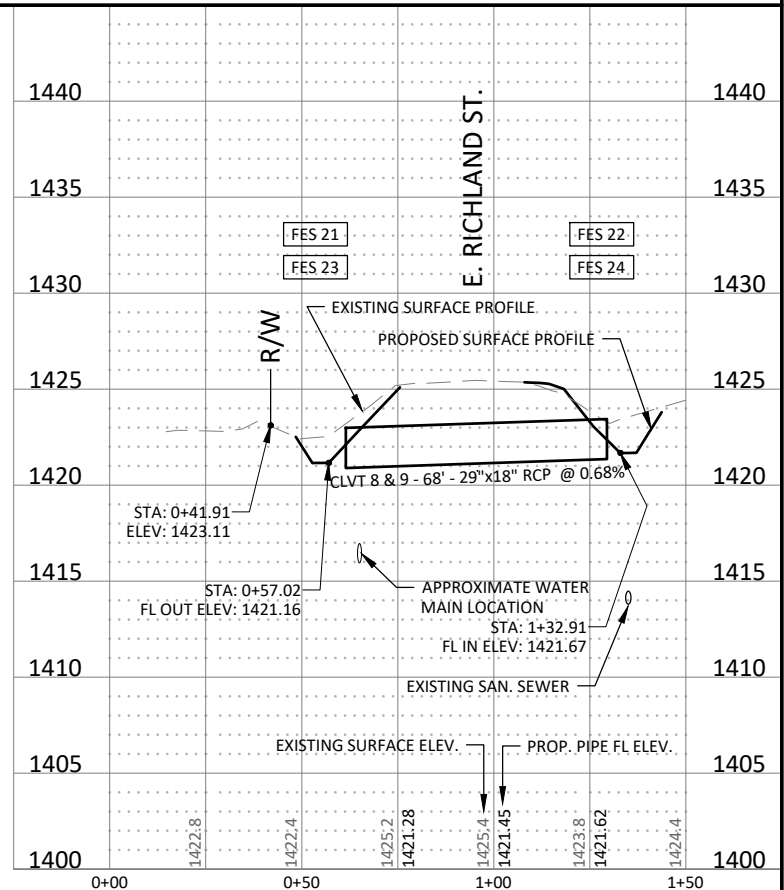
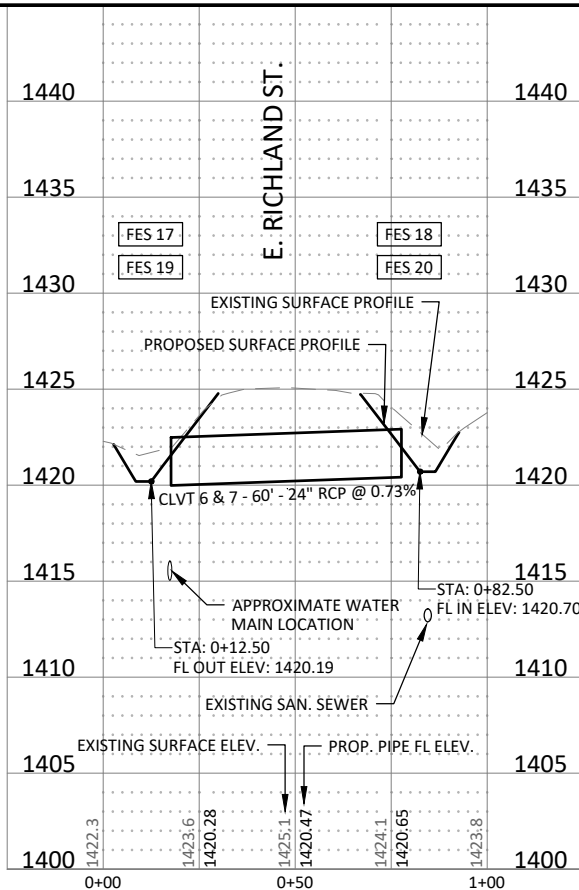
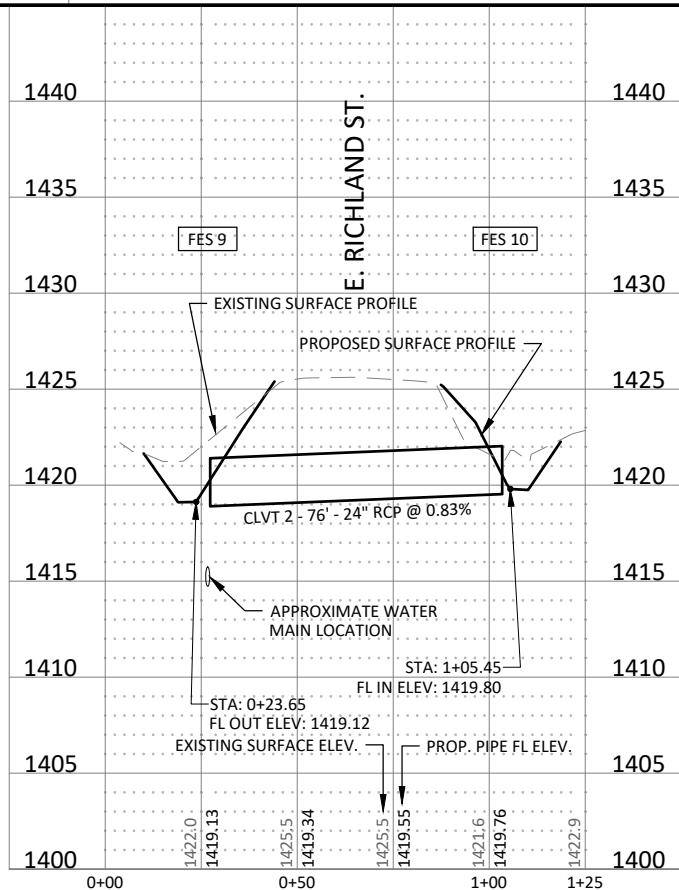
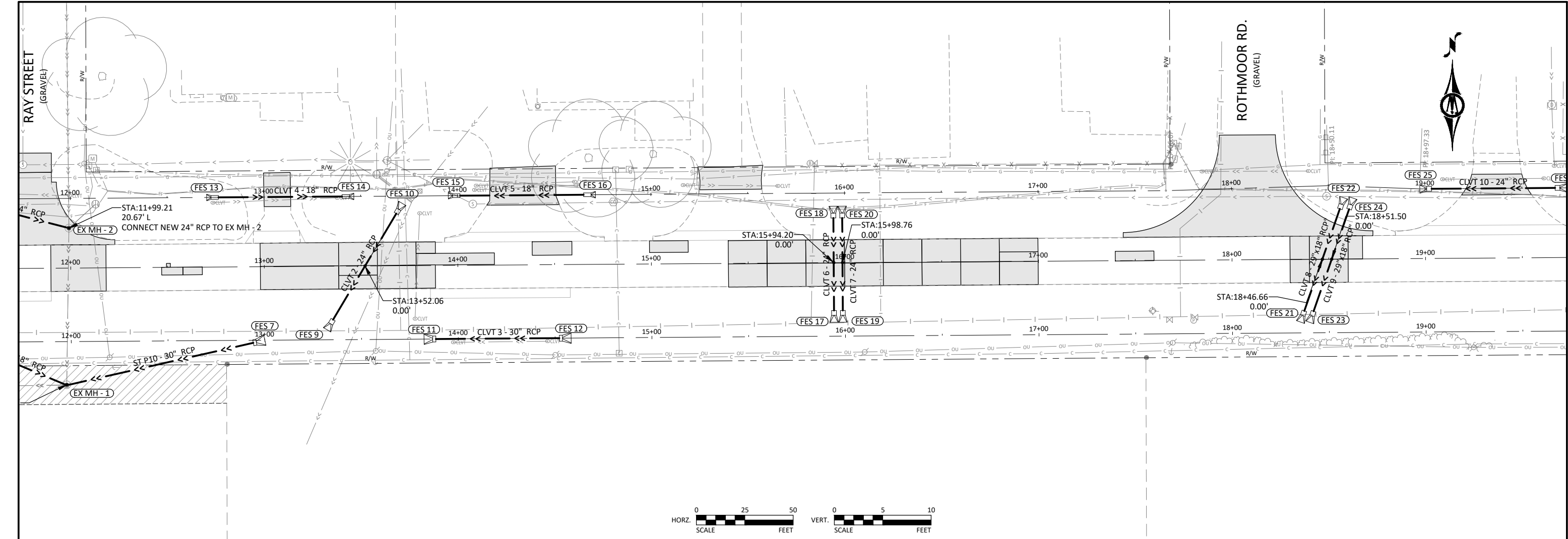
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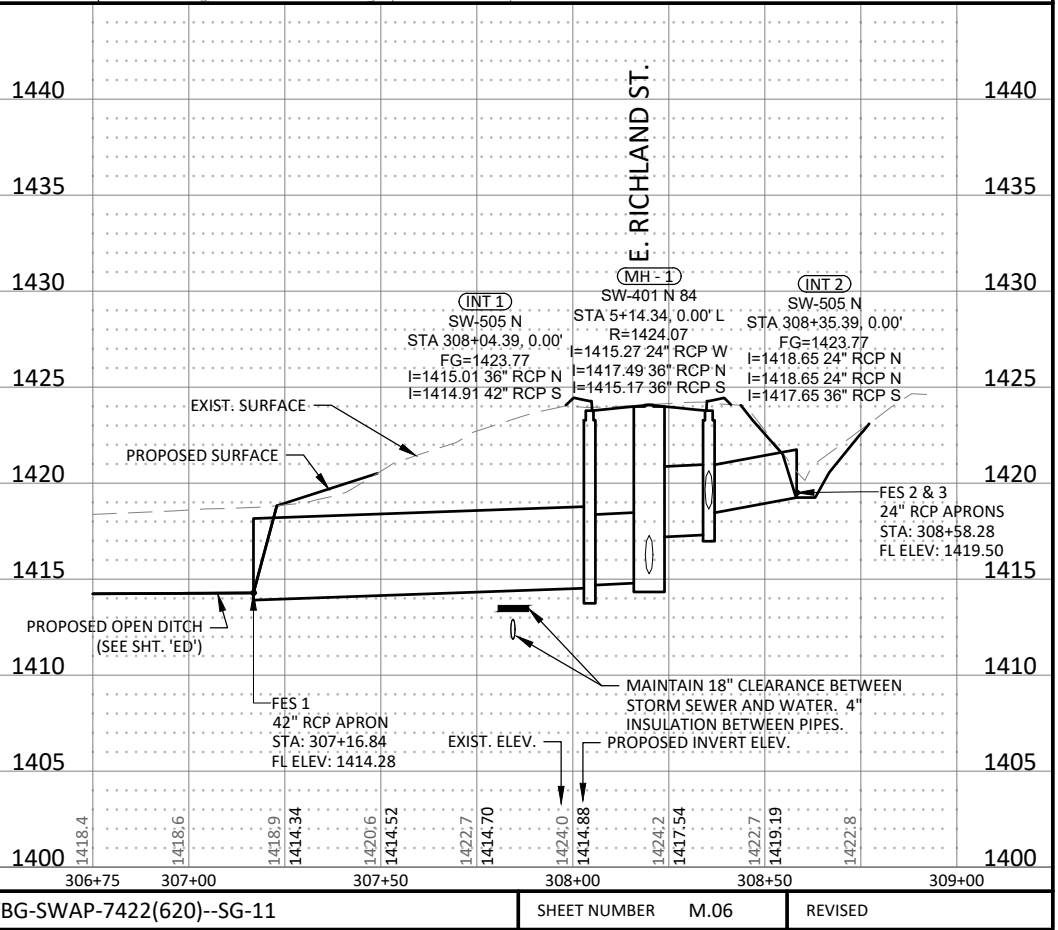
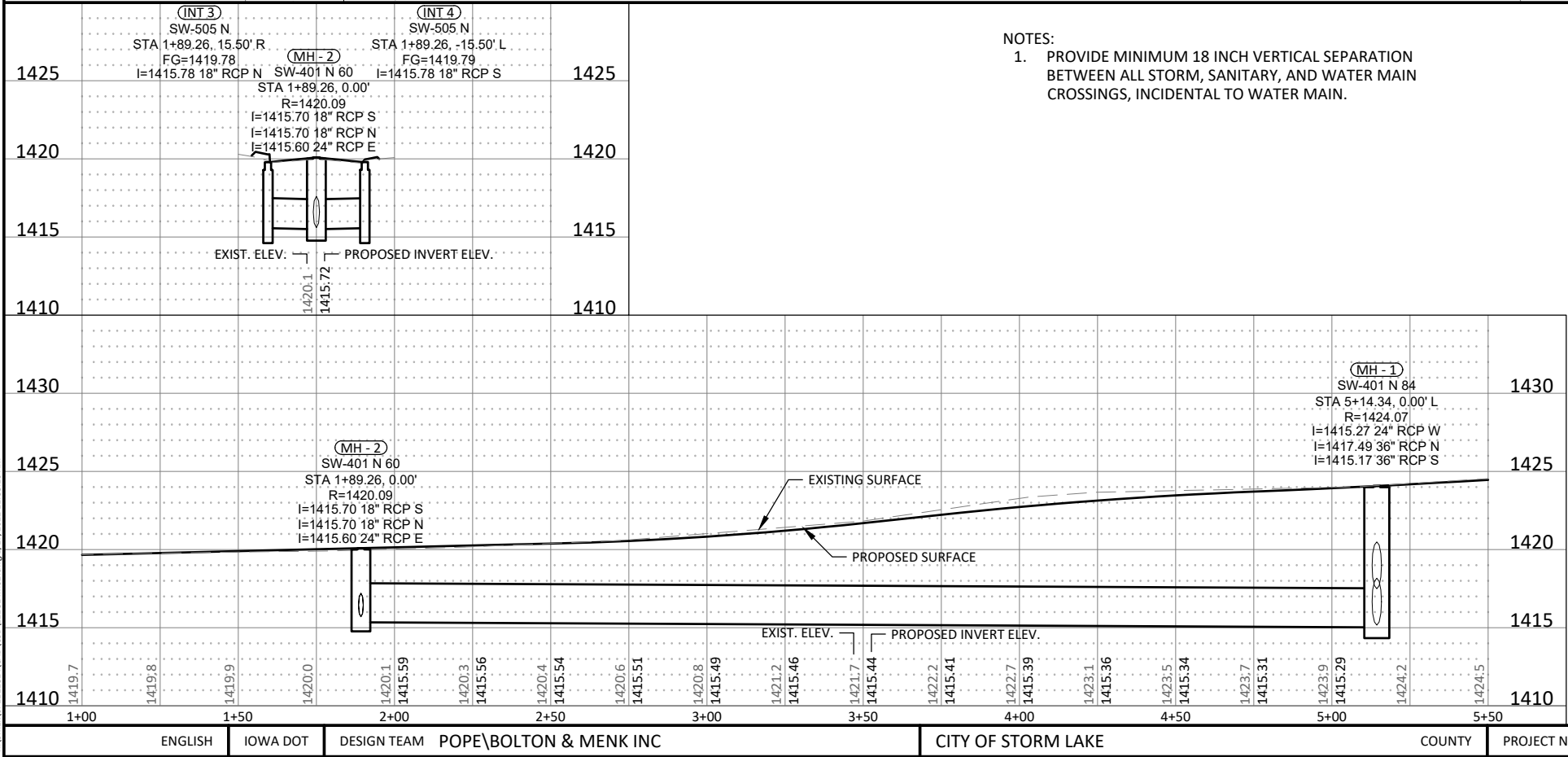
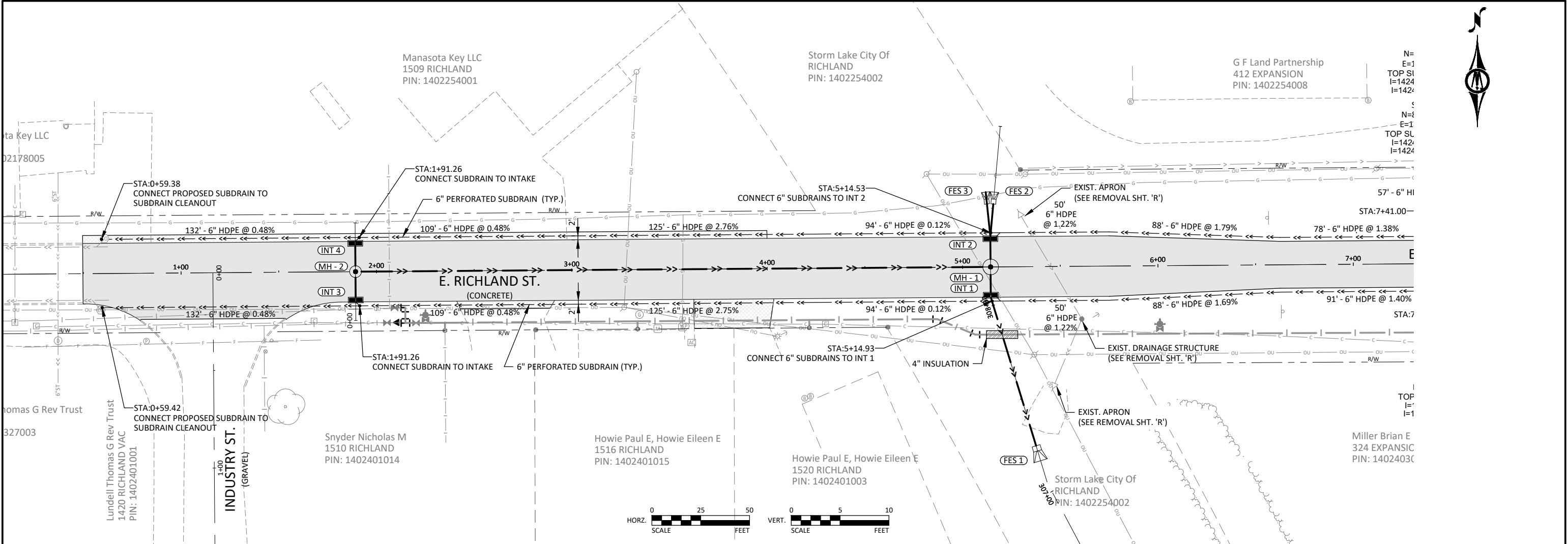


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ENGLISH

IOWA DOT

DESIGN TEAM POPE\BOLTON & MENK INC

CITY OF STORM LAKE

BUENA VISTA COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

SHEET NUMBER M.07

REVISED

G F Land Partnership
412 EXPANSION
PIN: 1402254008

SUBDRAIN
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E=14,407,176.85
TOP SURFACE=1427.78
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Miller Brian E
324 EXPANSION
PIN: 1402403004

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Buena Vista County
1709 & 1711 RICHLAND
PIN: 1402257006

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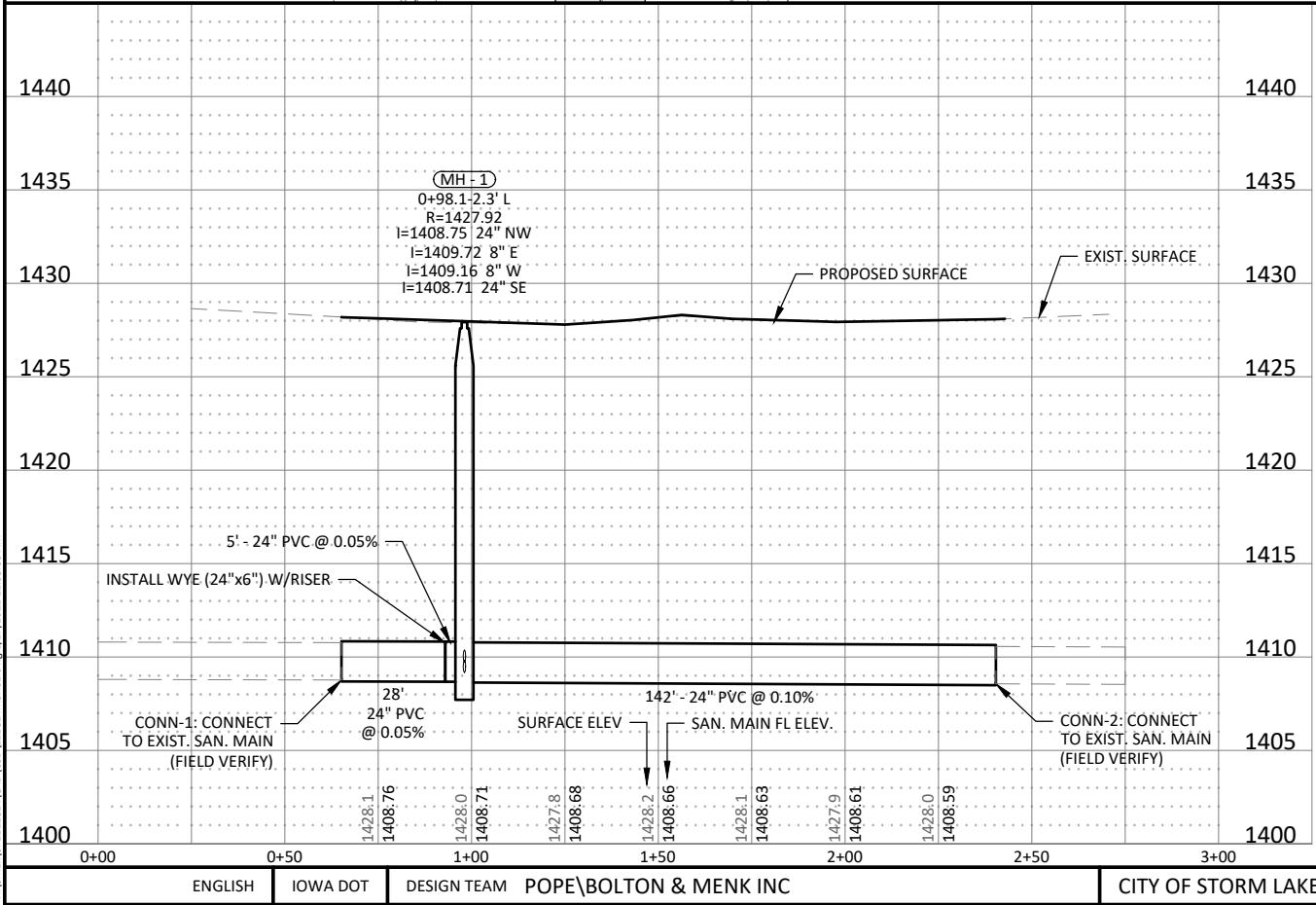
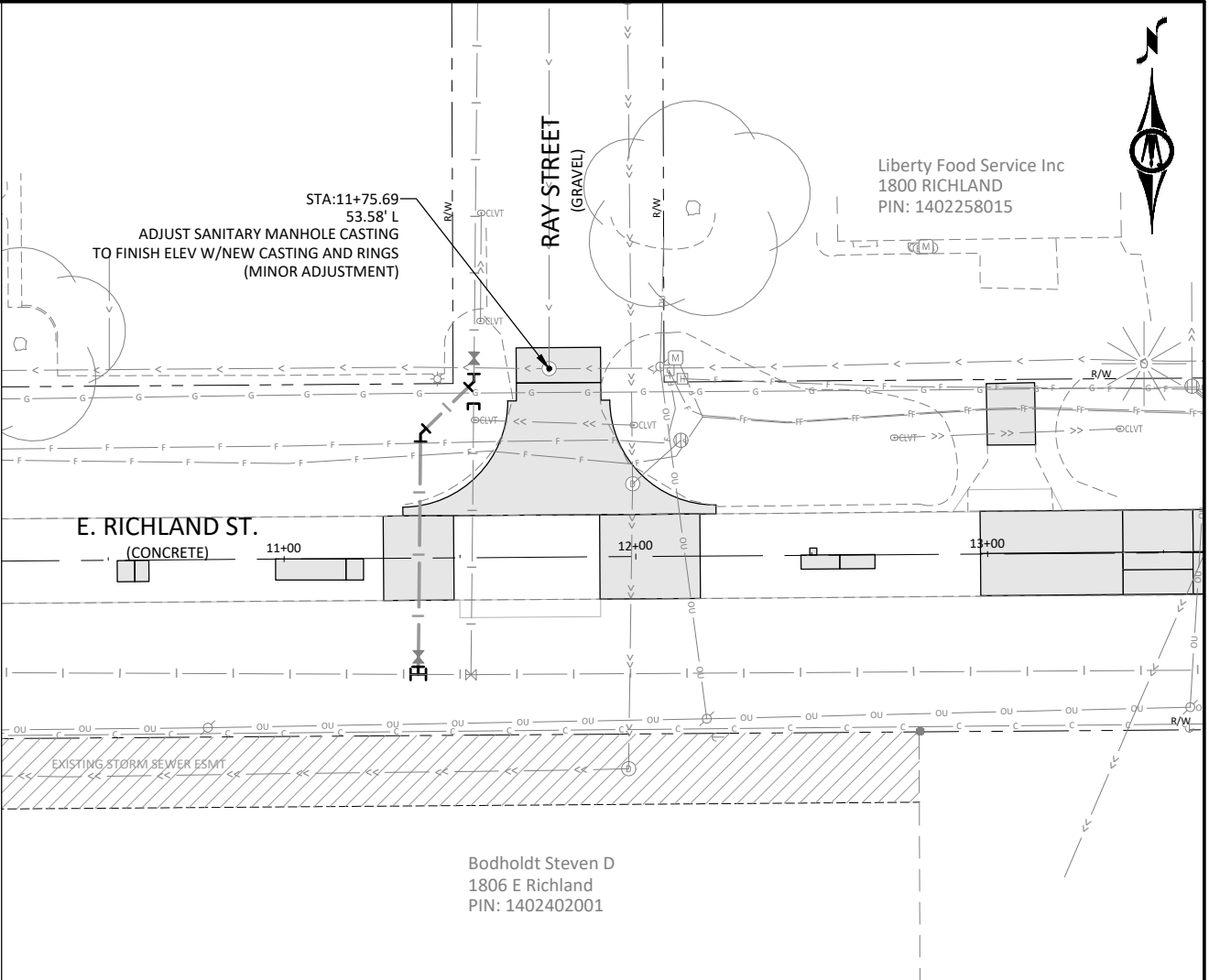
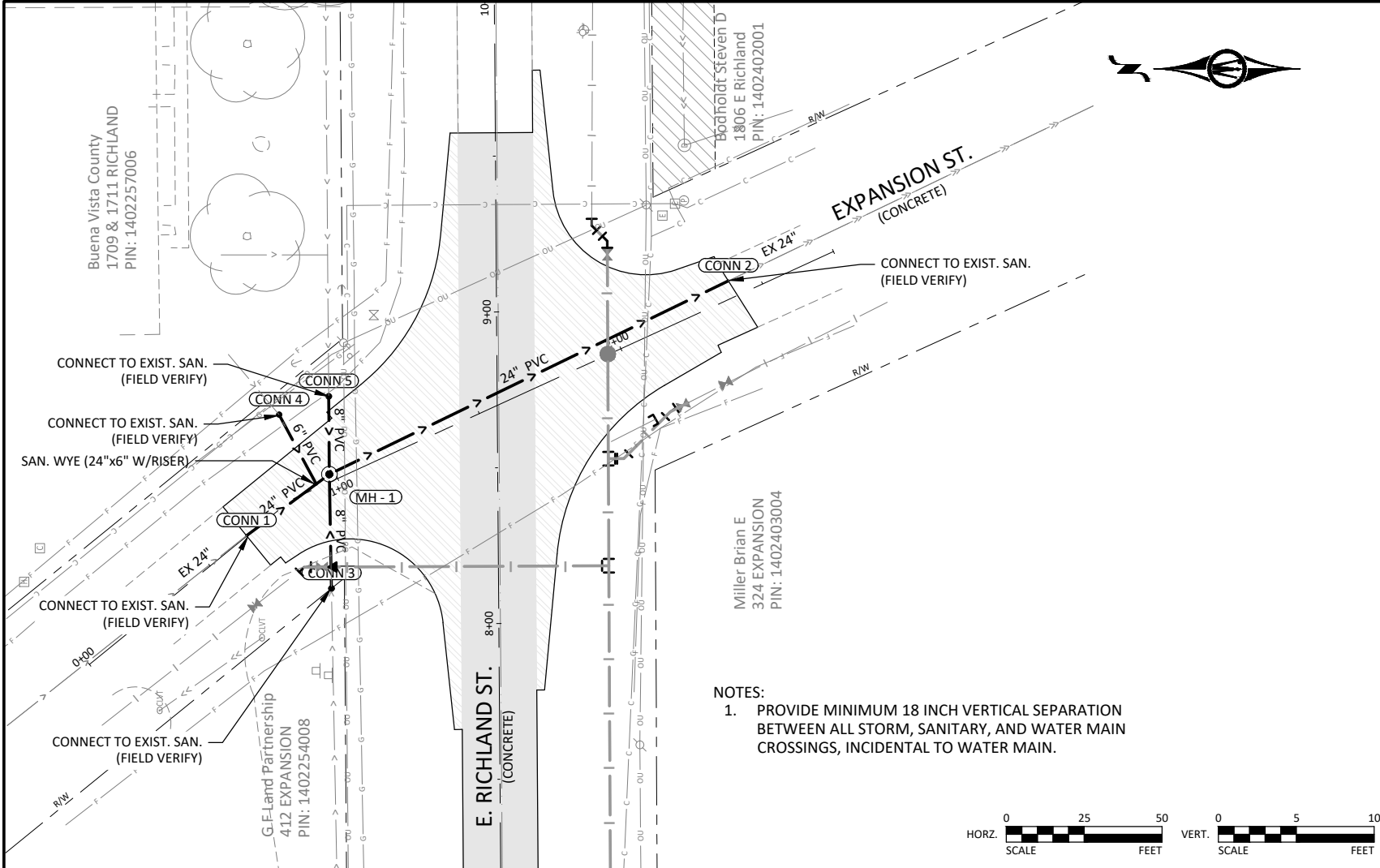
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Bodholdt Steven D
1806 E Richland
PIN: 1402402001

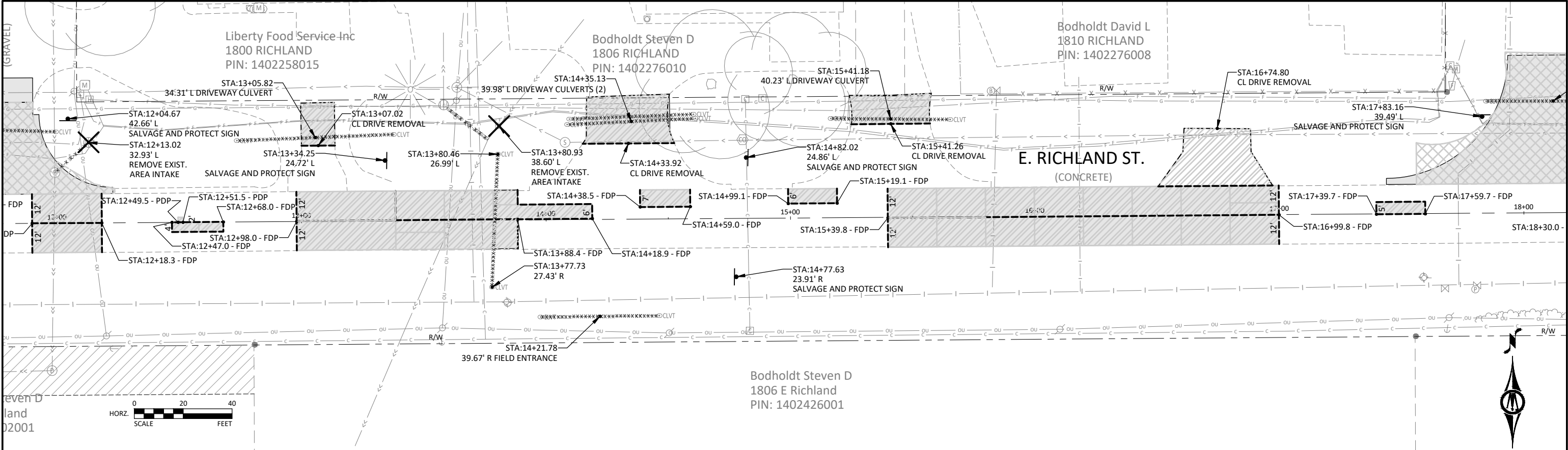
NOTES:

1. PROVIDE MINIMUM 18 INCH VERTICAL SEPARATION BETWEEN ALL STORM, SANITARY, AND WATER MAIN CROSSINGS, INCIDENTAL TO WATER MAIN.





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REMOVE STRUCTURE

REMOVE CONC. PAVEMENT

REMOVE CONC. DRIVEWAY

REMOVE GRAVEL DRIVEWAY

REMOVE OR ABANDON WATER MAIN

REMOVE SANITARY SEWER

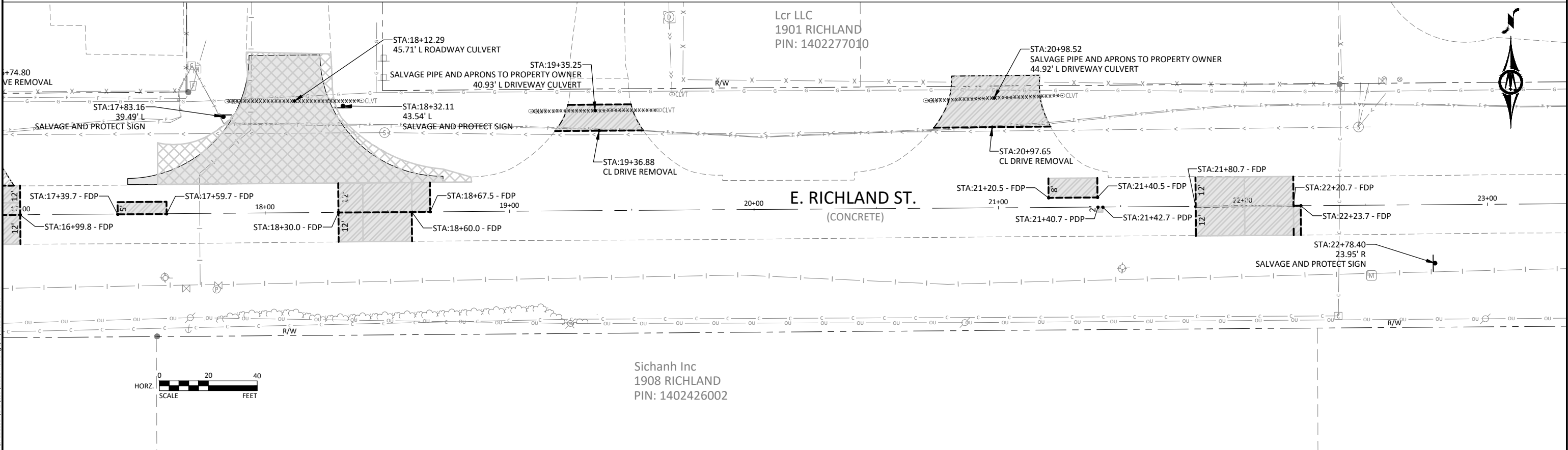
REMOVE STORM SEWER

FULL DEPTH SAWCUT

FULL DEPTH PATCH REMOVAL

PARTIAL DEPTH PATCH REMOVAL

CONSTRUCTION NOTE:
1. ABANDON AND PLUG ALL LENGTHS OF WATER MAIN PIPE NOT MARKED FOR REMOVAL.



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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 7.0 acres with an estimated 3.5 acres being disturbed. The portion of the PPP covered by this contract has 3.5 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 0.65.
- 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 construction. 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

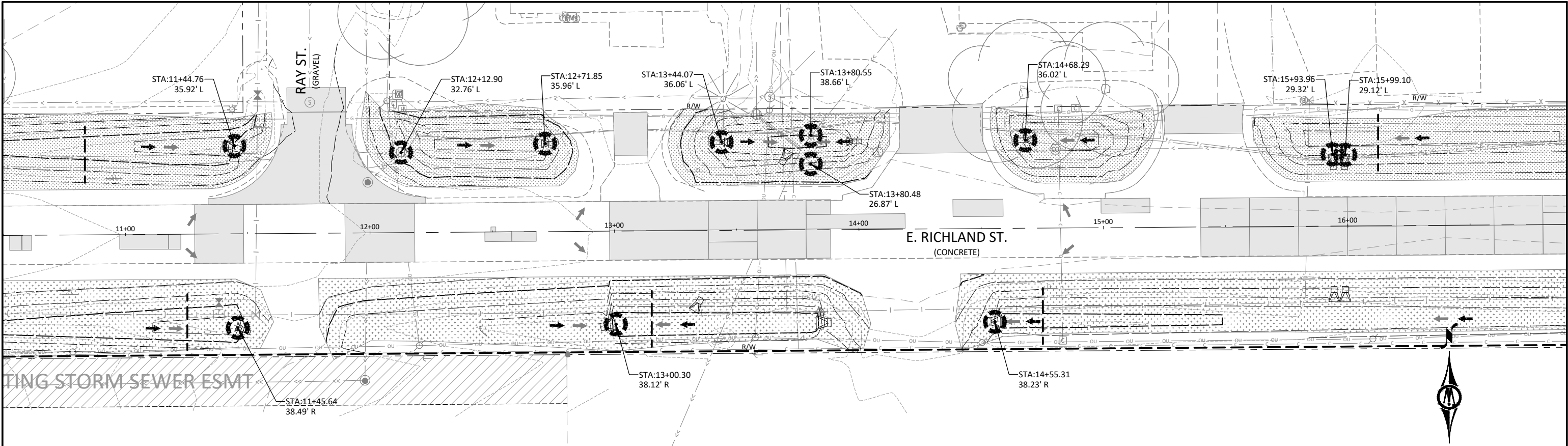
CITY OF STORM LAKE

COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

SHEET NUMBER RC.01

REVISED



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

PROPOSED DRAINAGE

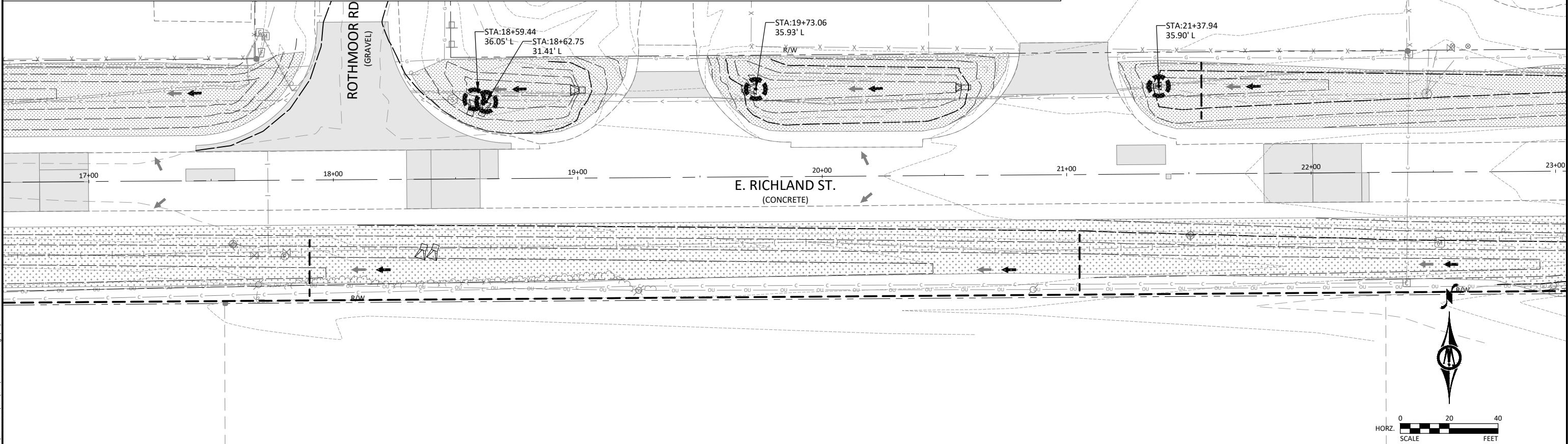
EXISTING DRAINAGE

SILT FENCE/SILT FENCE DITCH CHECK

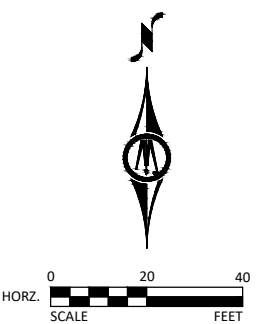
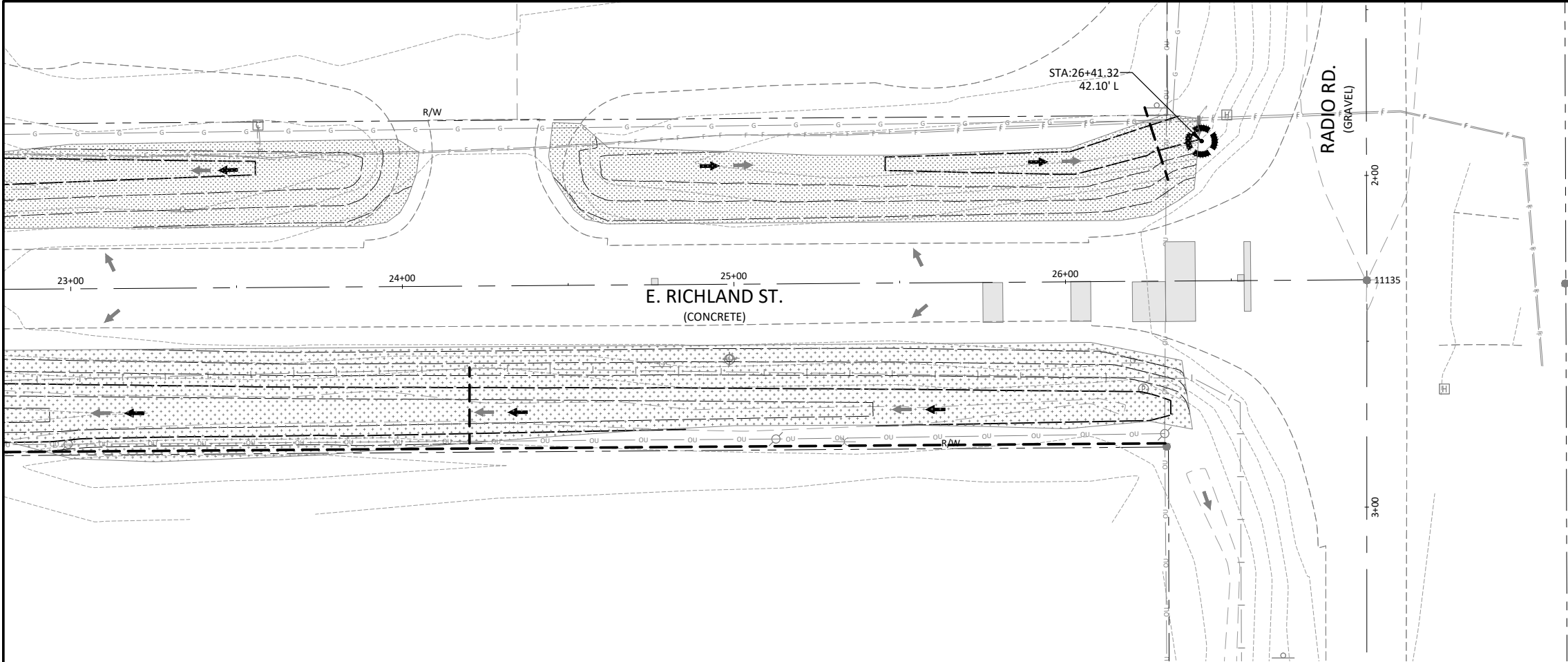
STABILIZED CONSTRUCTION ENTRANCE

WOOD EXCELSIOR MAT (DITCH & SLOPE CONTROL) SEED & FERTILIZE, URBAN

WOOD EXCELSIOR MAT (DITCH & SLOPE CONTROL) SEED & FERTILIZE, RURAL



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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

PROPOSED DRAINAGE

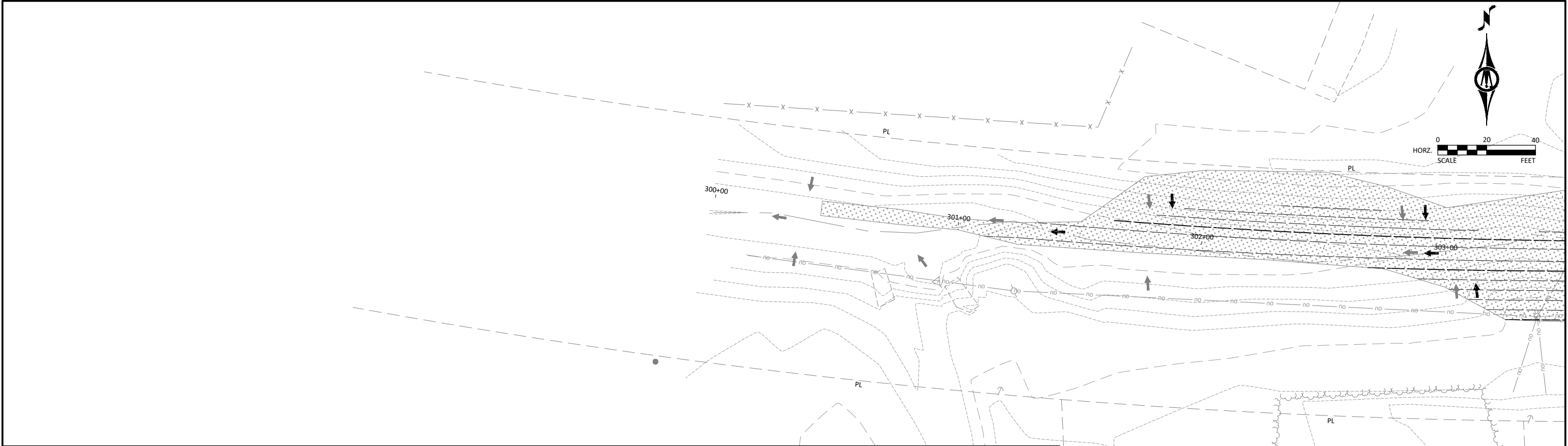
EXISTING DRAINAGE

STABILIZED CONSTRUCTION ENTRANCE

WOOD EXCELSIOR MAT
(DITCH & SLOPE CONTROL)
SEED & FERTILIZE, URBAN

WOOD EXCELSIOR MAT
(DITCH & SLOPE CONTROL)
SEED & FERTILIZE, RURAL

SILT FENCE/SILT FENCE DITCH CHECK



NOTES:

- 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
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AS NECESSARY THROUGHOUT THE PROJECT.
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INLET PROTECTION

PROPOSED DRAINAGE

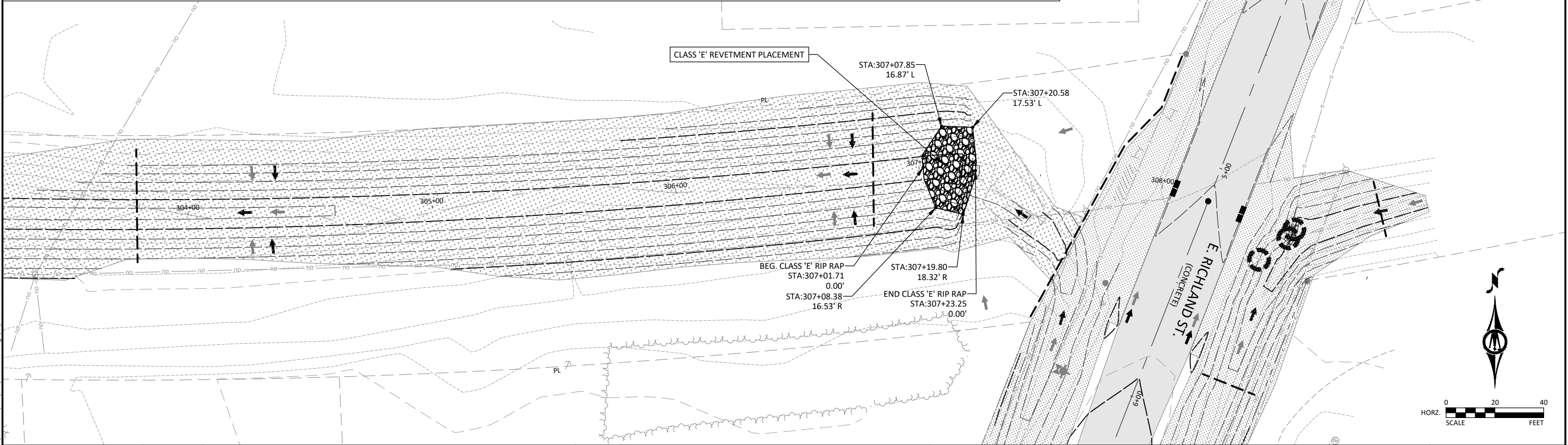
EXISTING DRAINAGE

SILT FENCE/SILT FENCE DITCH CHECK

STABILIZED CONSTRUCTION ENTRANCE

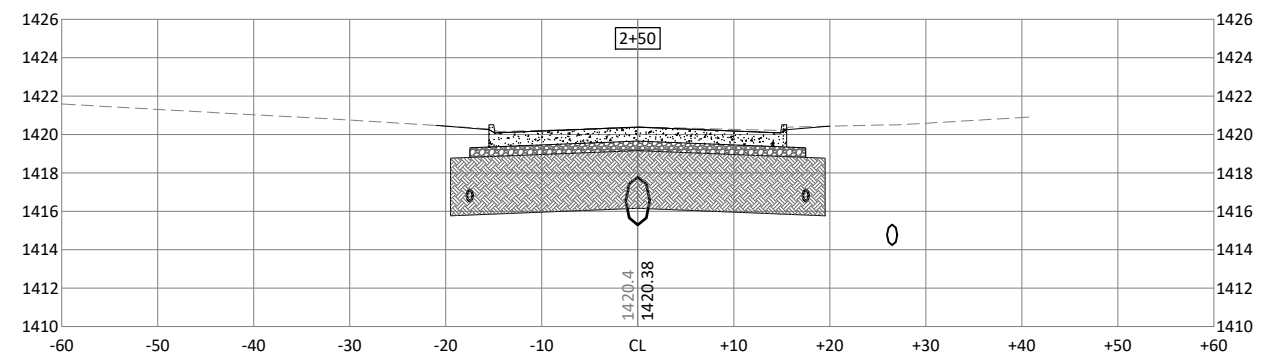
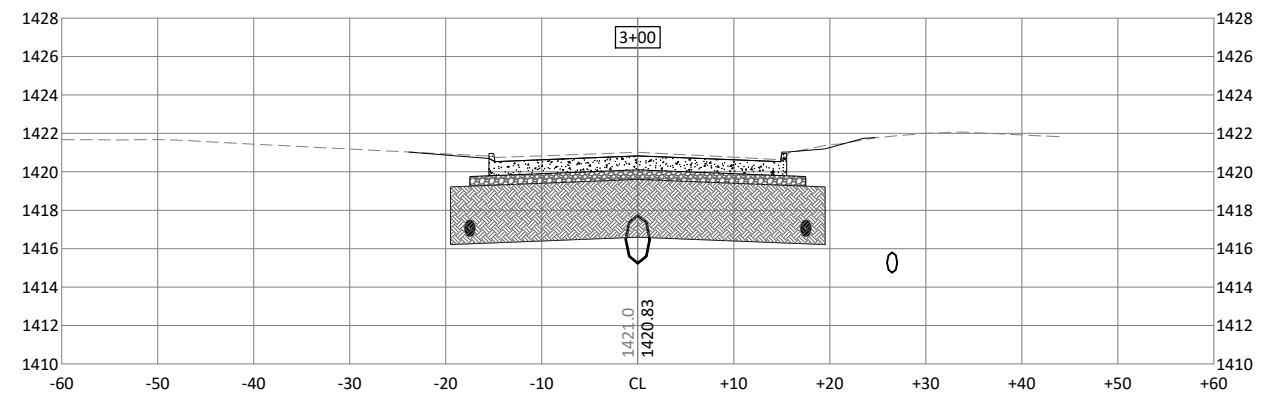
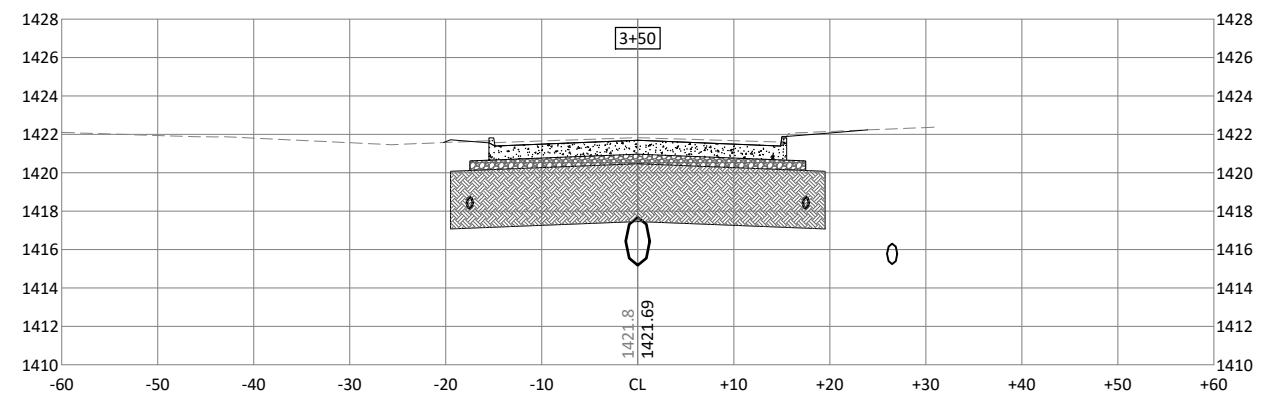
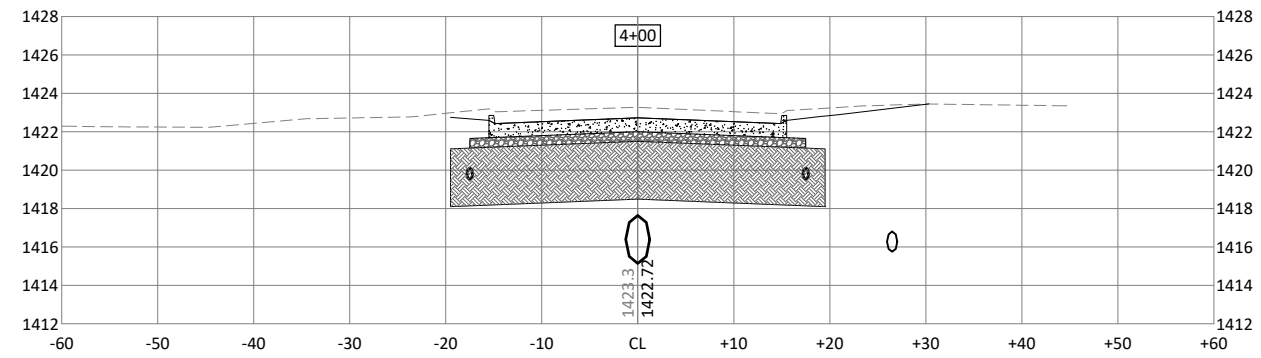
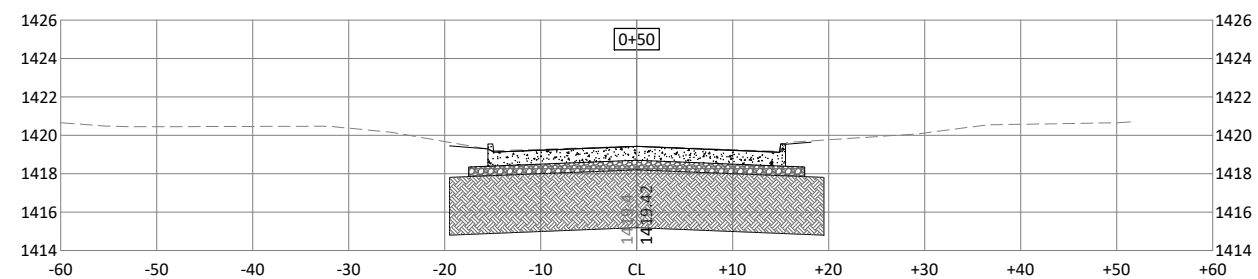
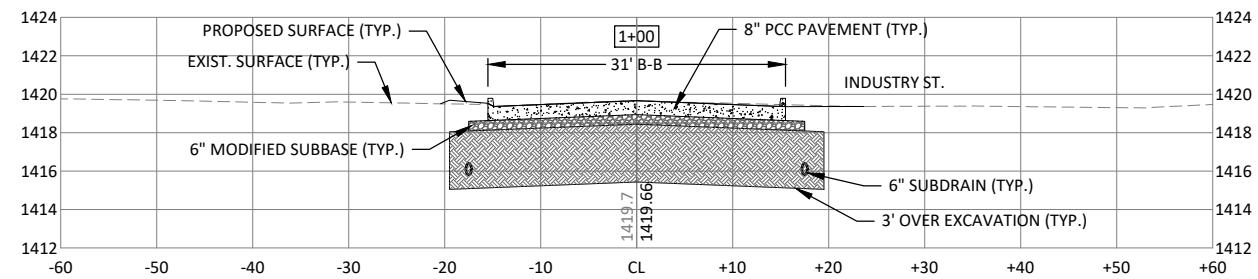
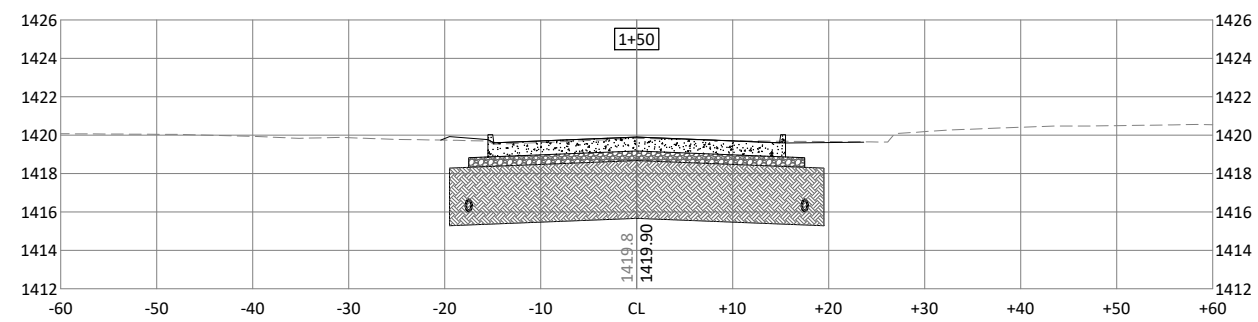
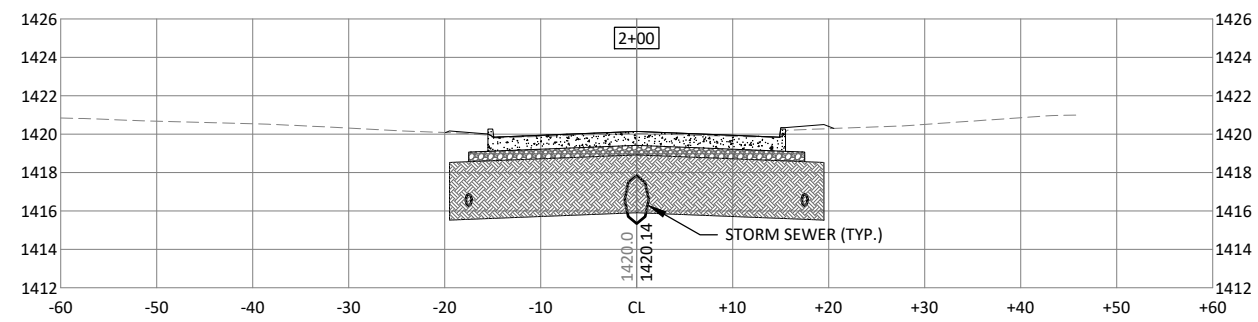
WOOD EXCELSIOR MAT (DITCH & SLOPE CONTROL) SEED & FERTILIZE, URBAN

WOOD EXCELSIOR MAT (DITCH & SLOPE CONTROL) SEED & FERTILIZE, RURAL



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NOTES:
1. SEE SHEET B.01 FOR TYPICAL PAVEMENT SECTIONS.

ENGLISH

IOWA DOT

DESIGN TEAM POPE\BOLTON & MENK INC

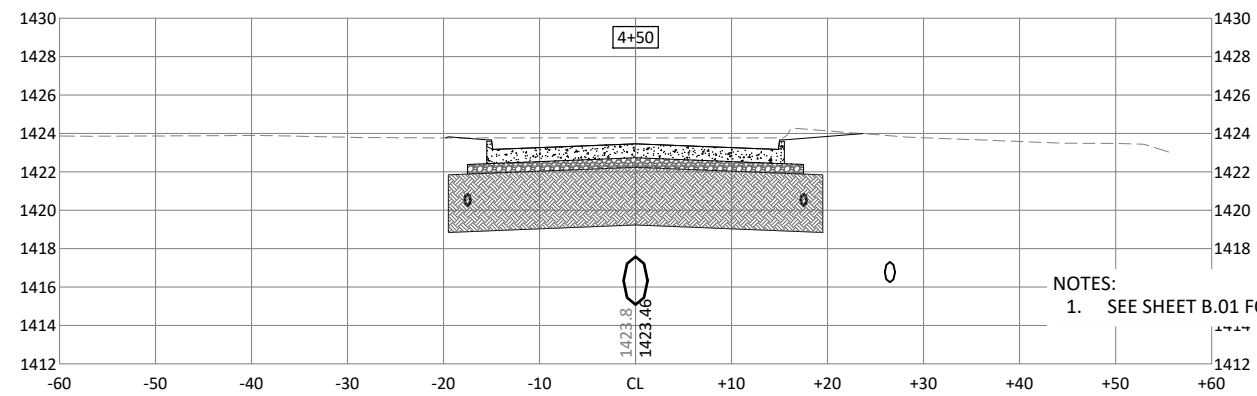
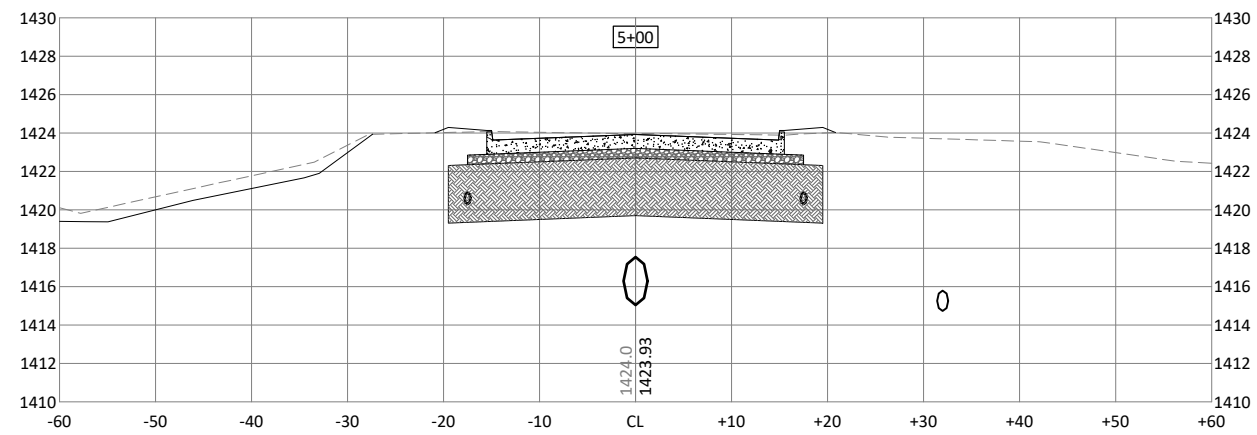
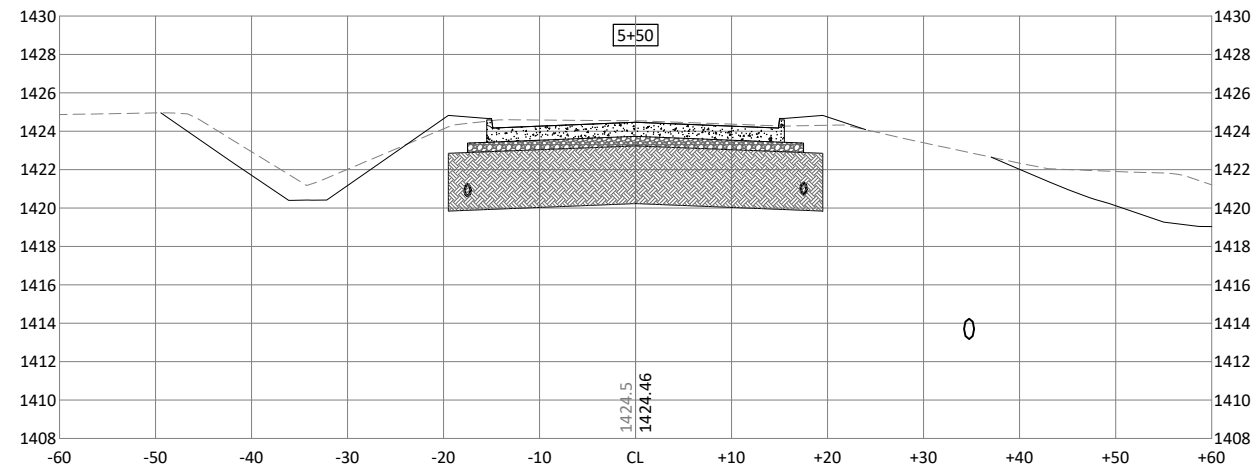
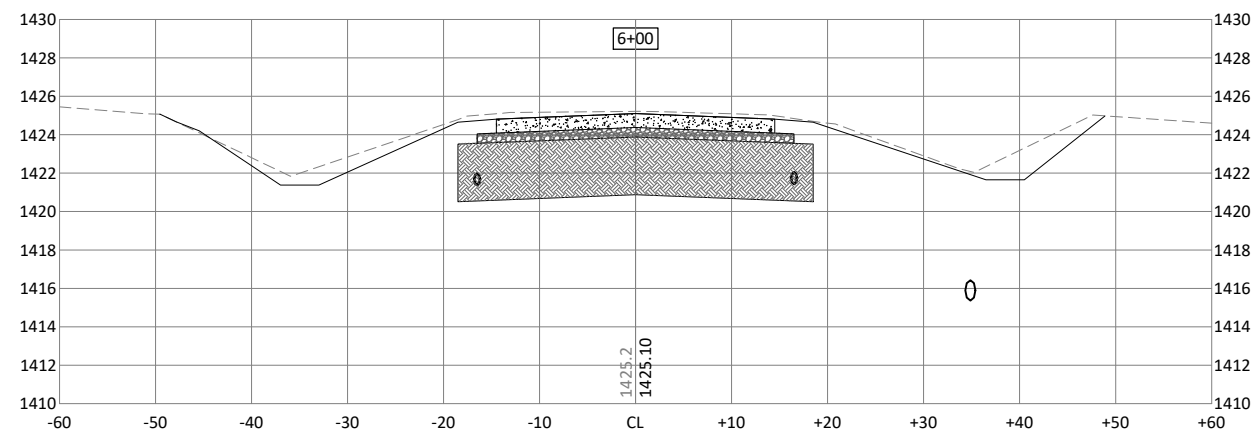
CITY OF STORM LAKE

COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

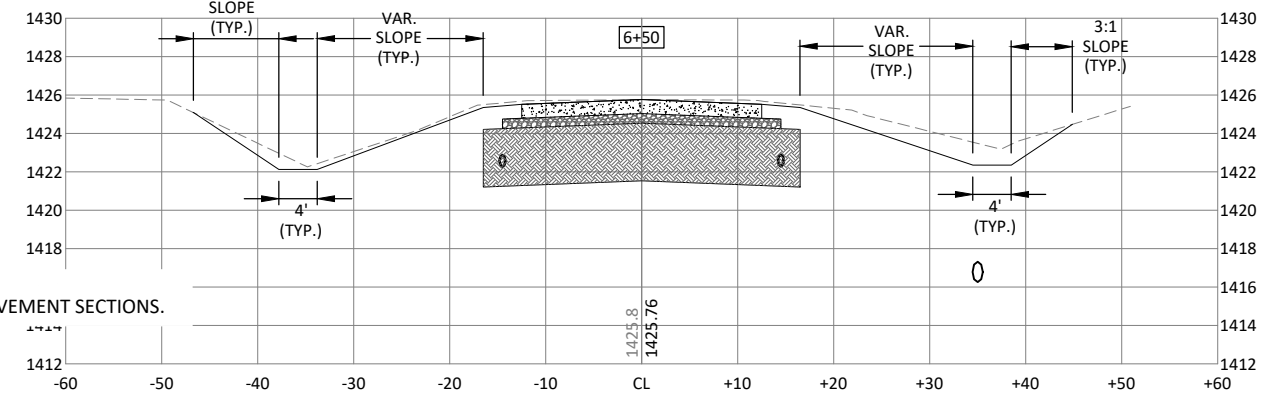
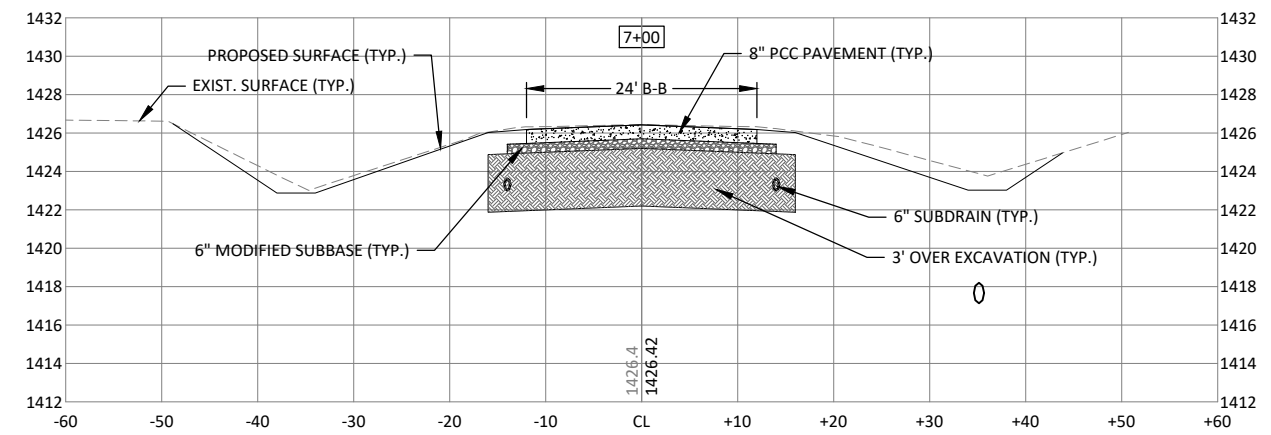
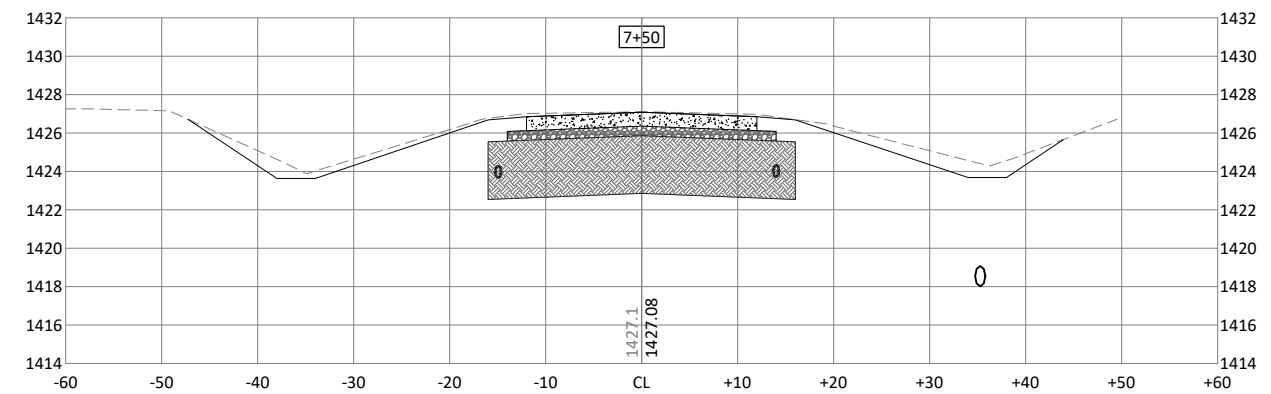
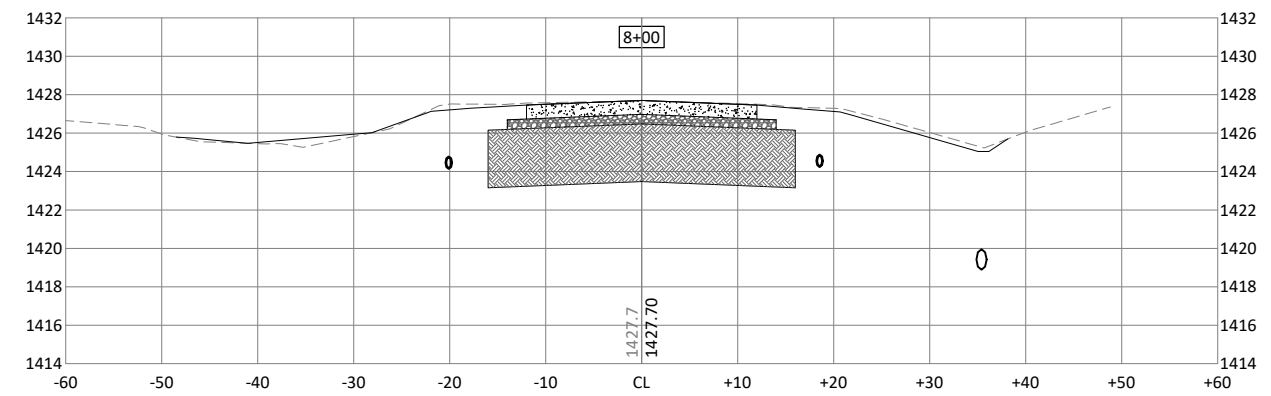
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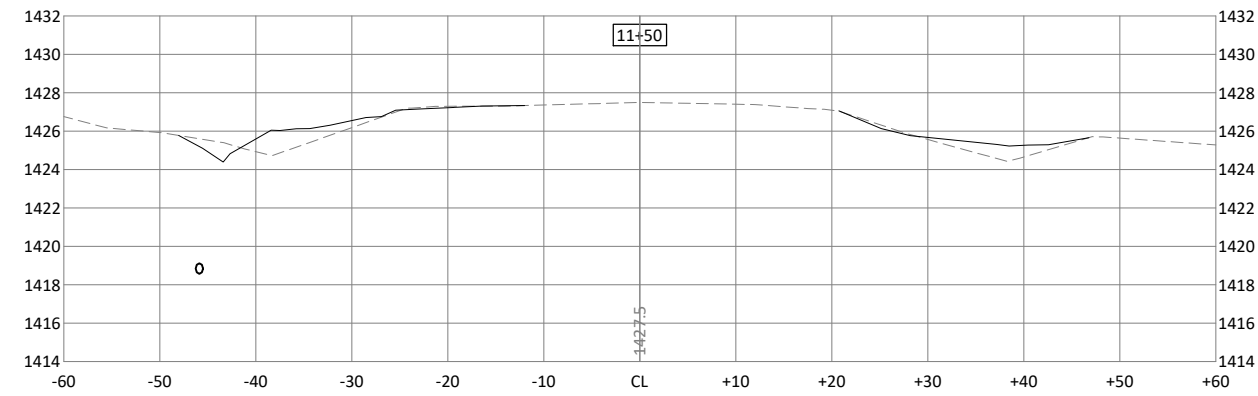
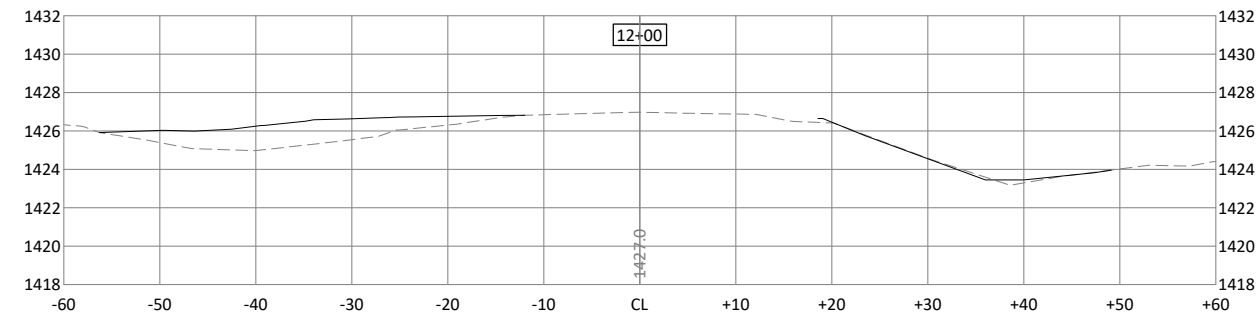
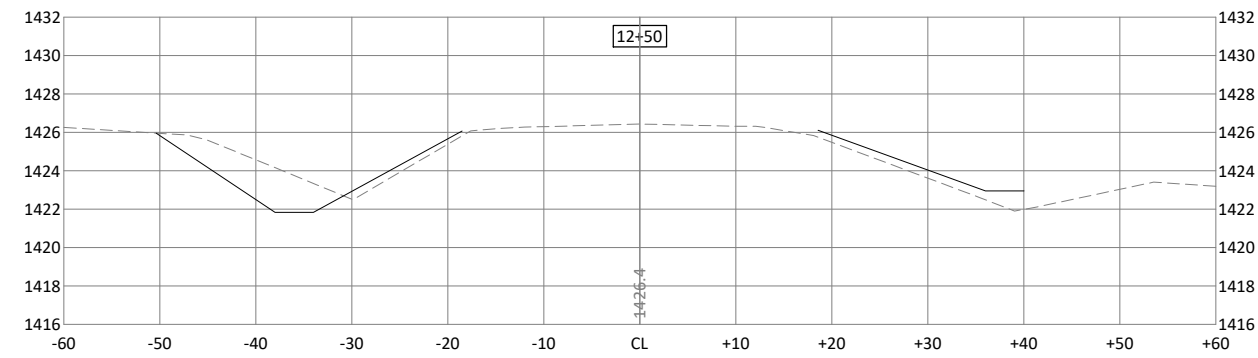
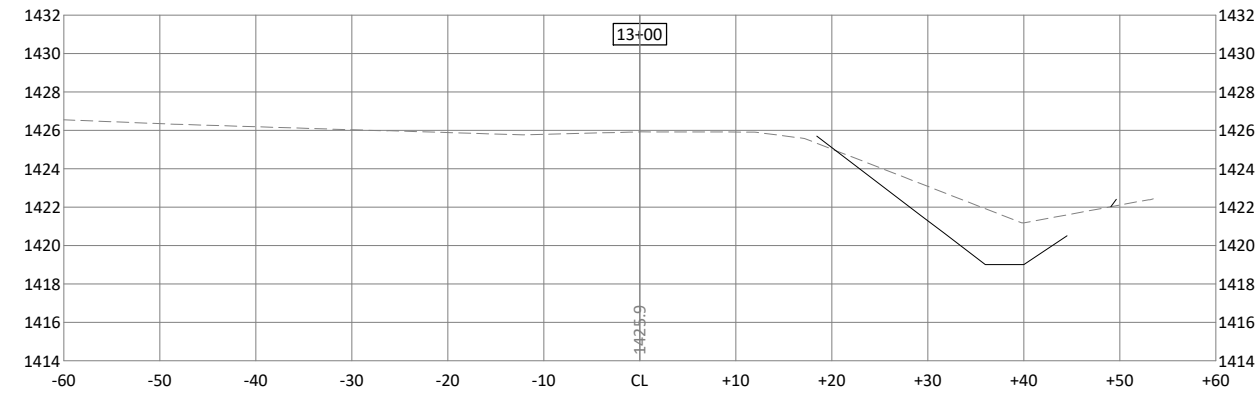
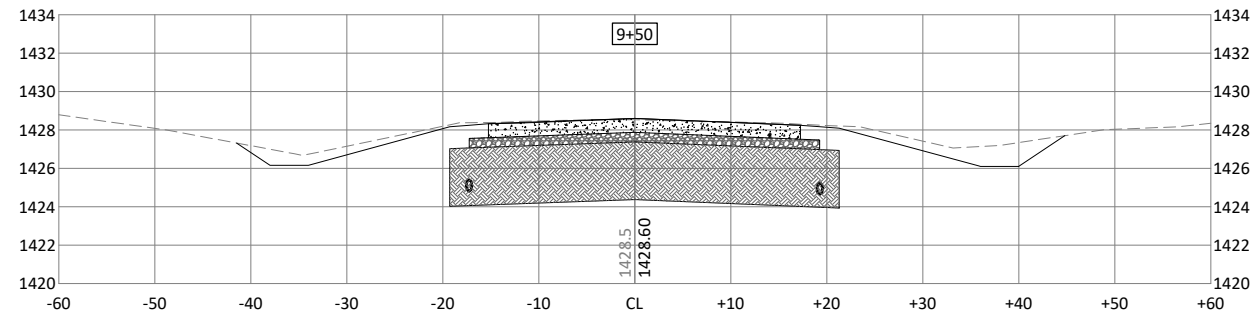
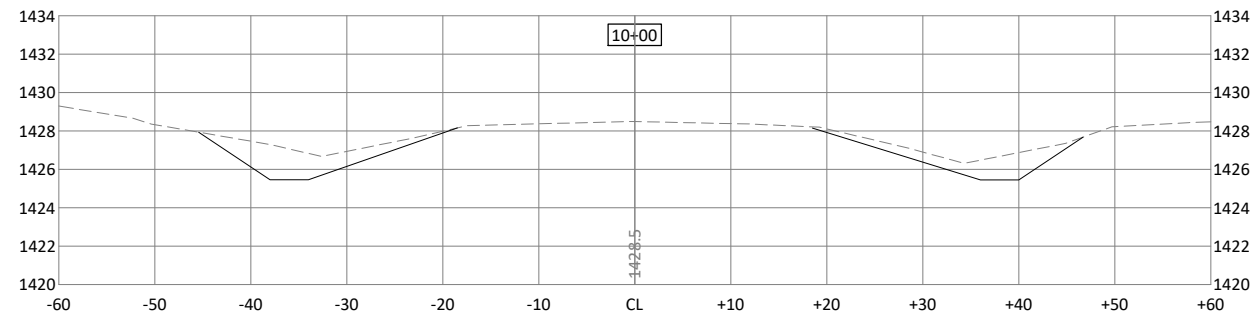
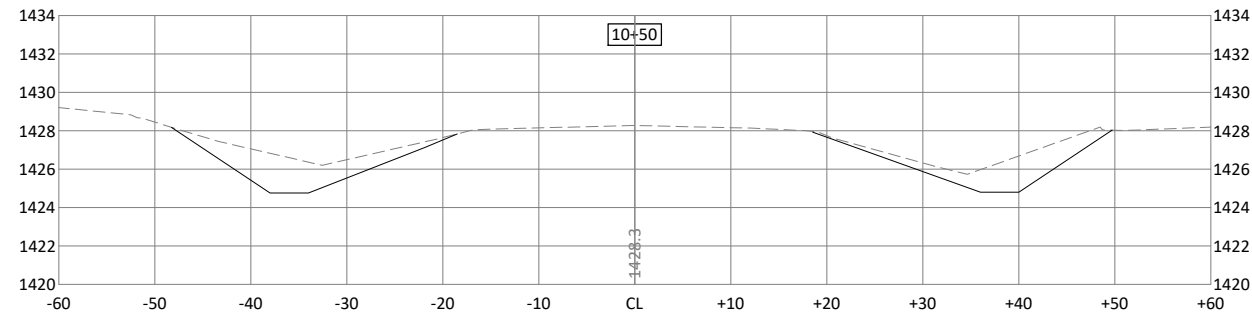
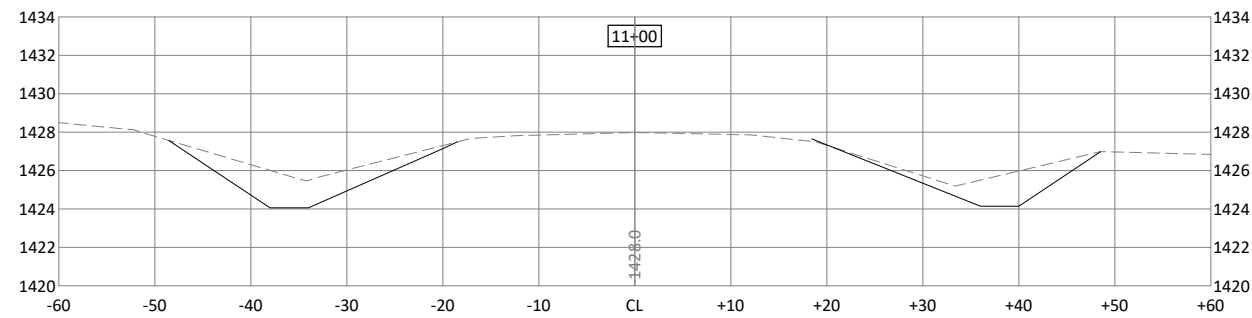


NOTES:

1. SEE SHEET B.01 FOR TYPICAL PAVEMENT SECTIONS.



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NOTES:
1. SEE SHEET B.01 FOR TYPICAL PAVEMENT SECTIONS.

ENGLISH

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DESIGN TEAM POPE\BOLTON & MENK INC

CITY OF STORM LAKE

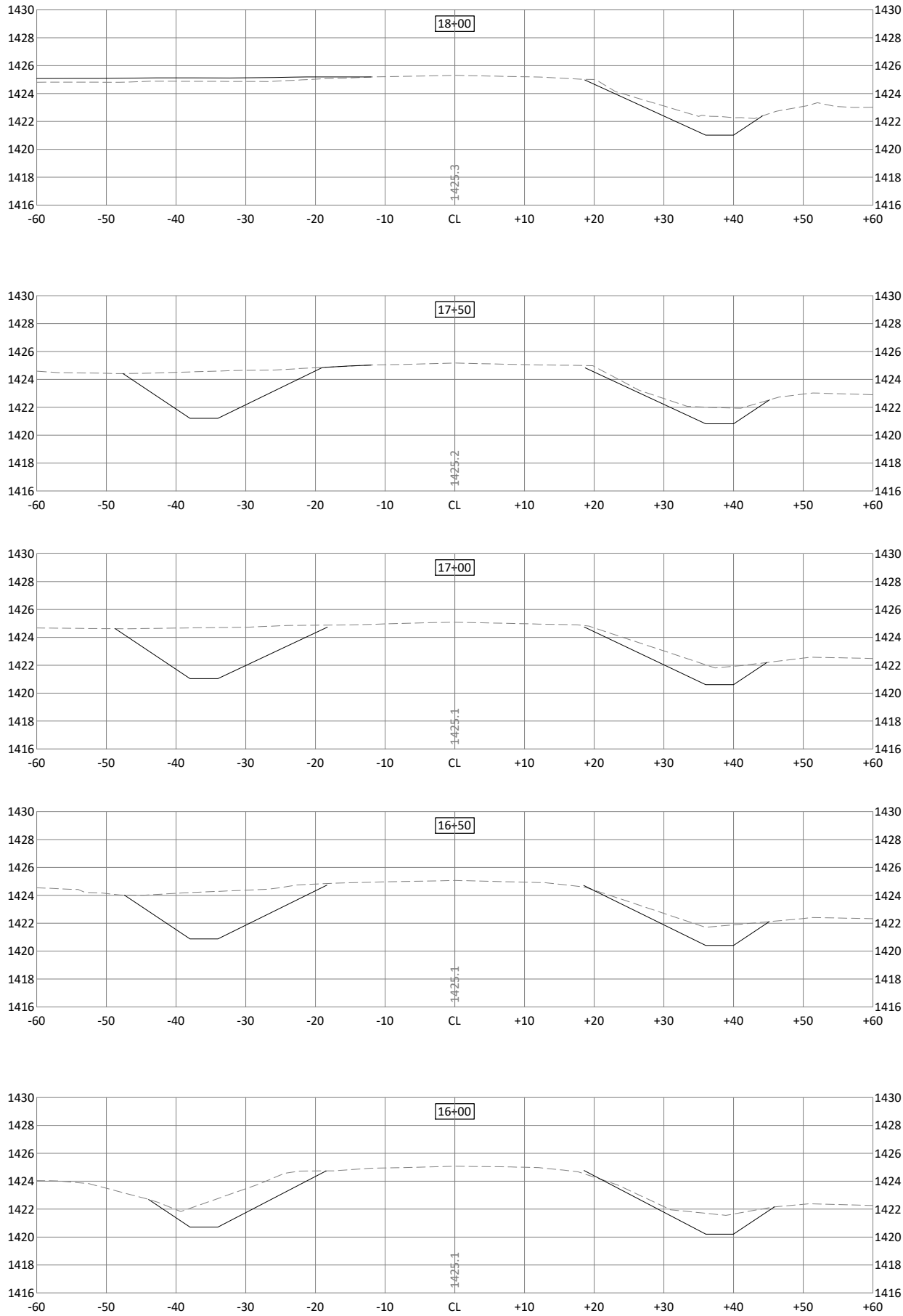
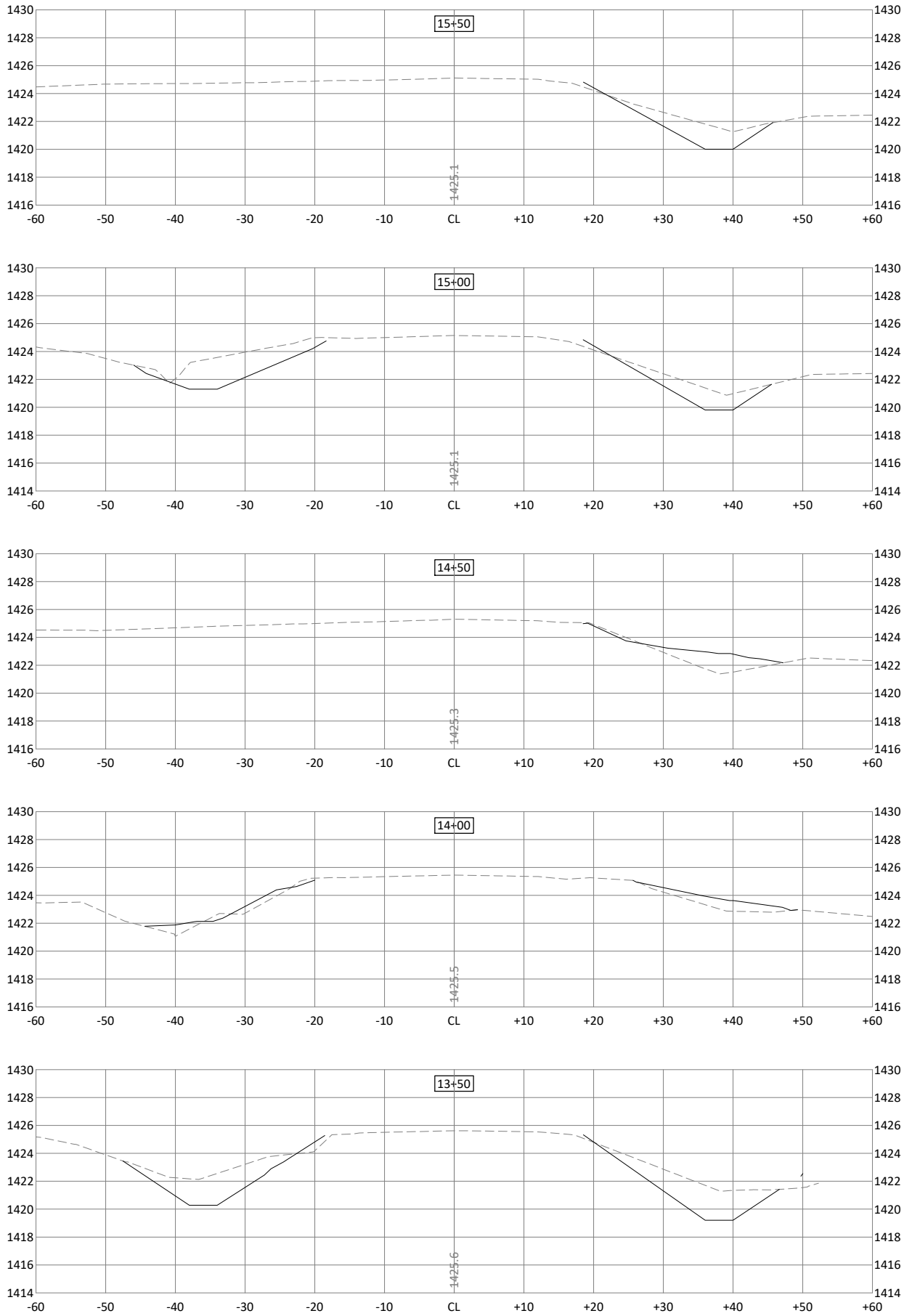
COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

SHEET NUMBER W.03

REVISED

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CITY OF STORM LAKE

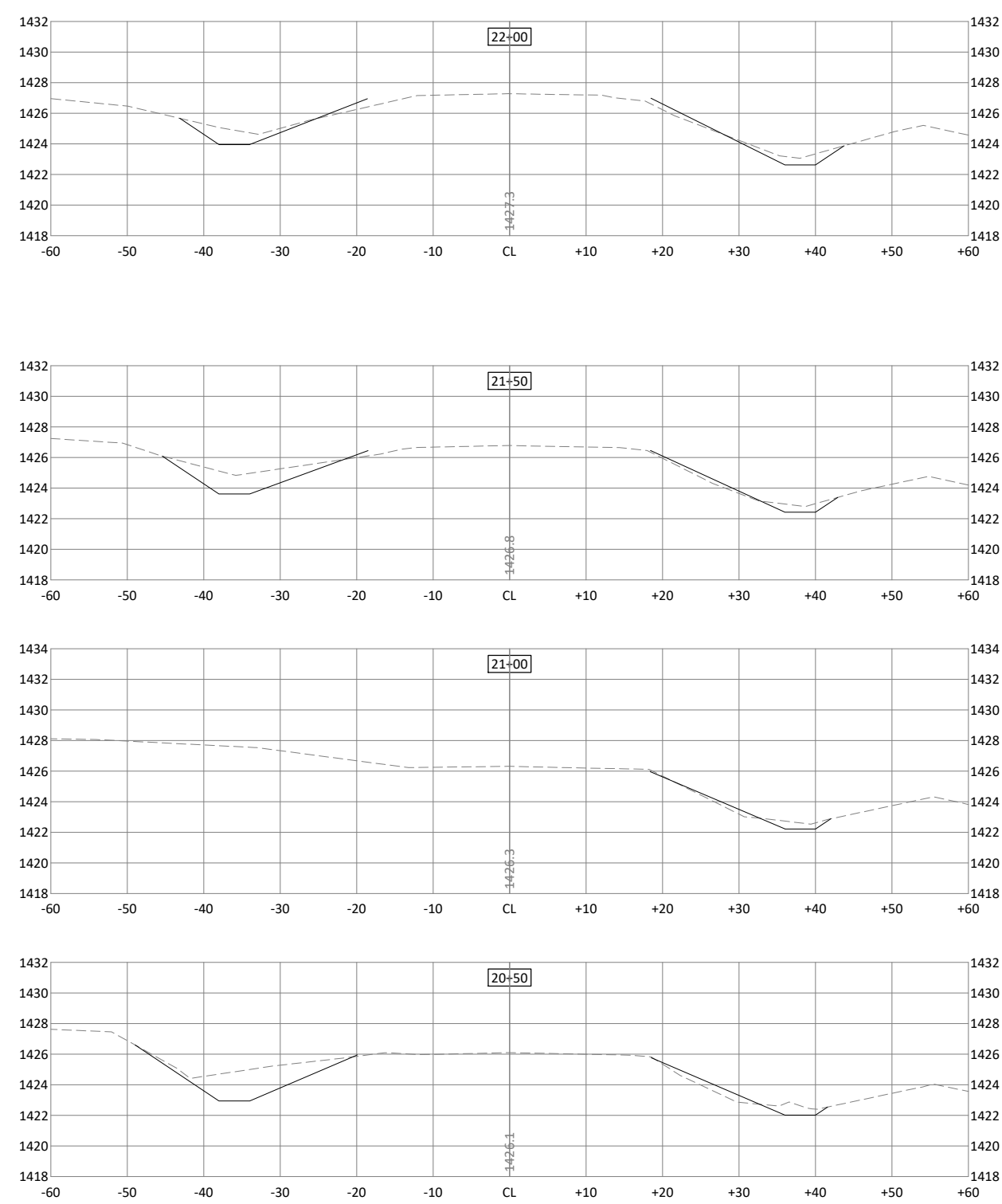
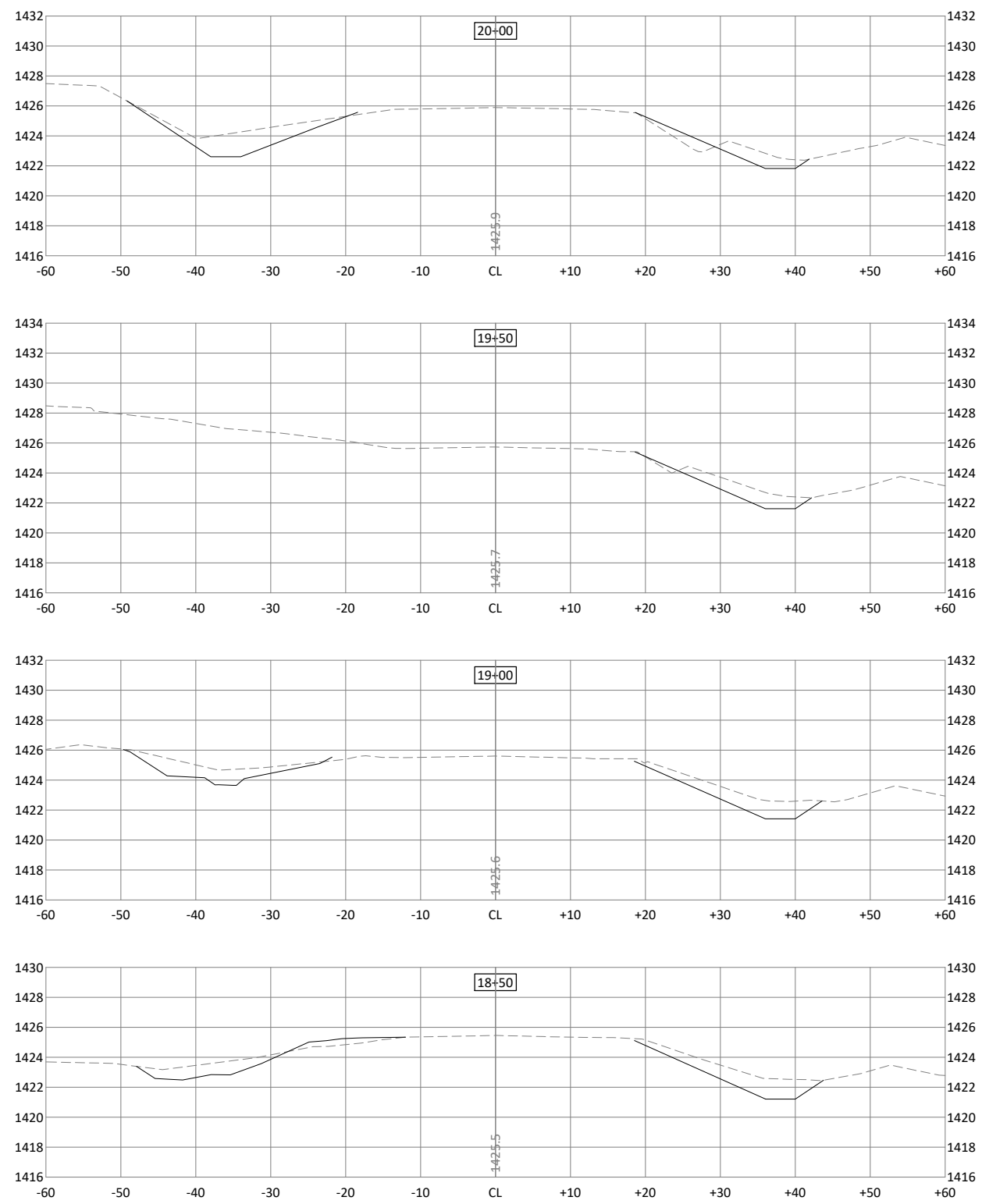
COUNTY

PROJECT NUMBER STBG-SWAP-7422(620)--SG-11

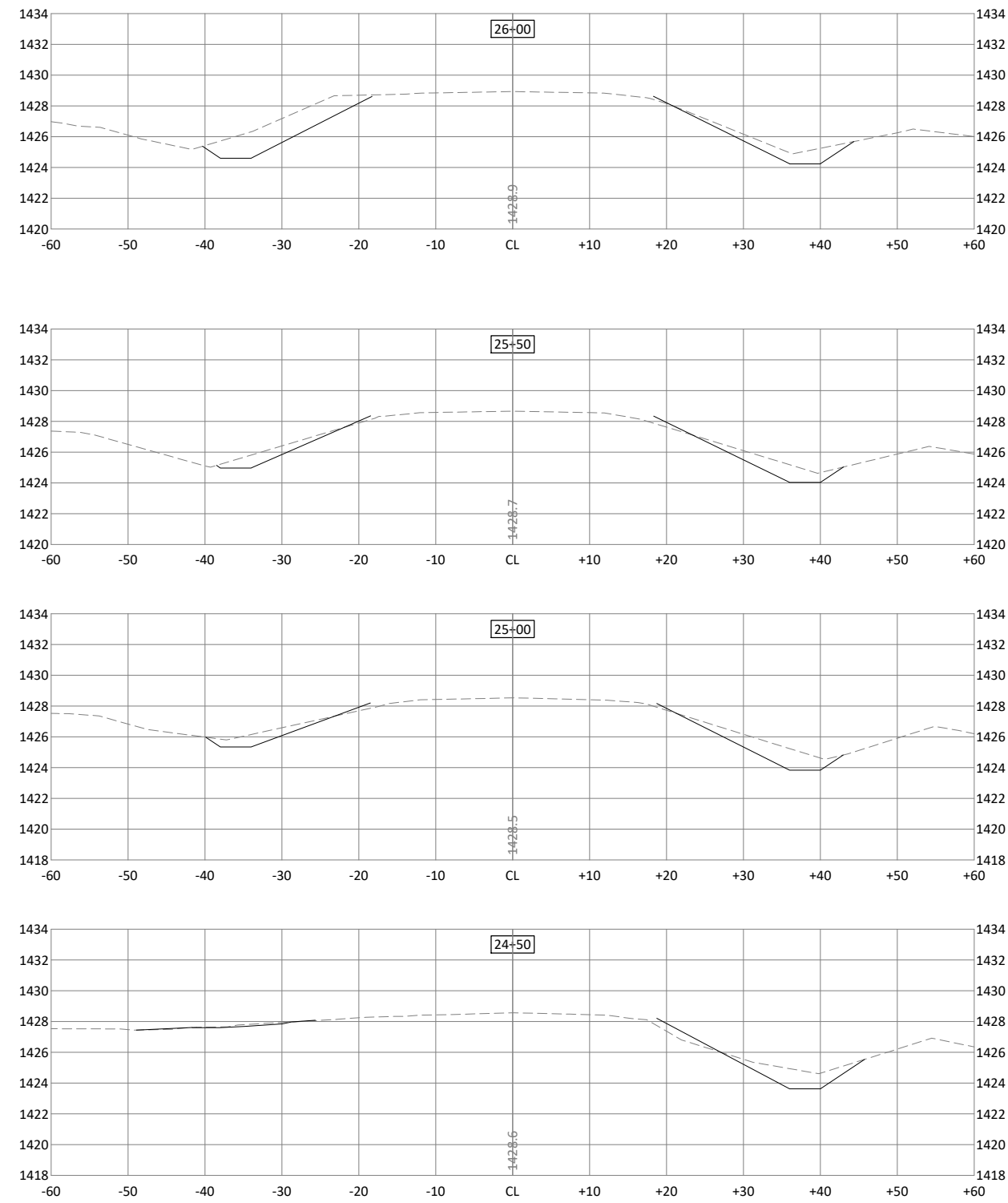
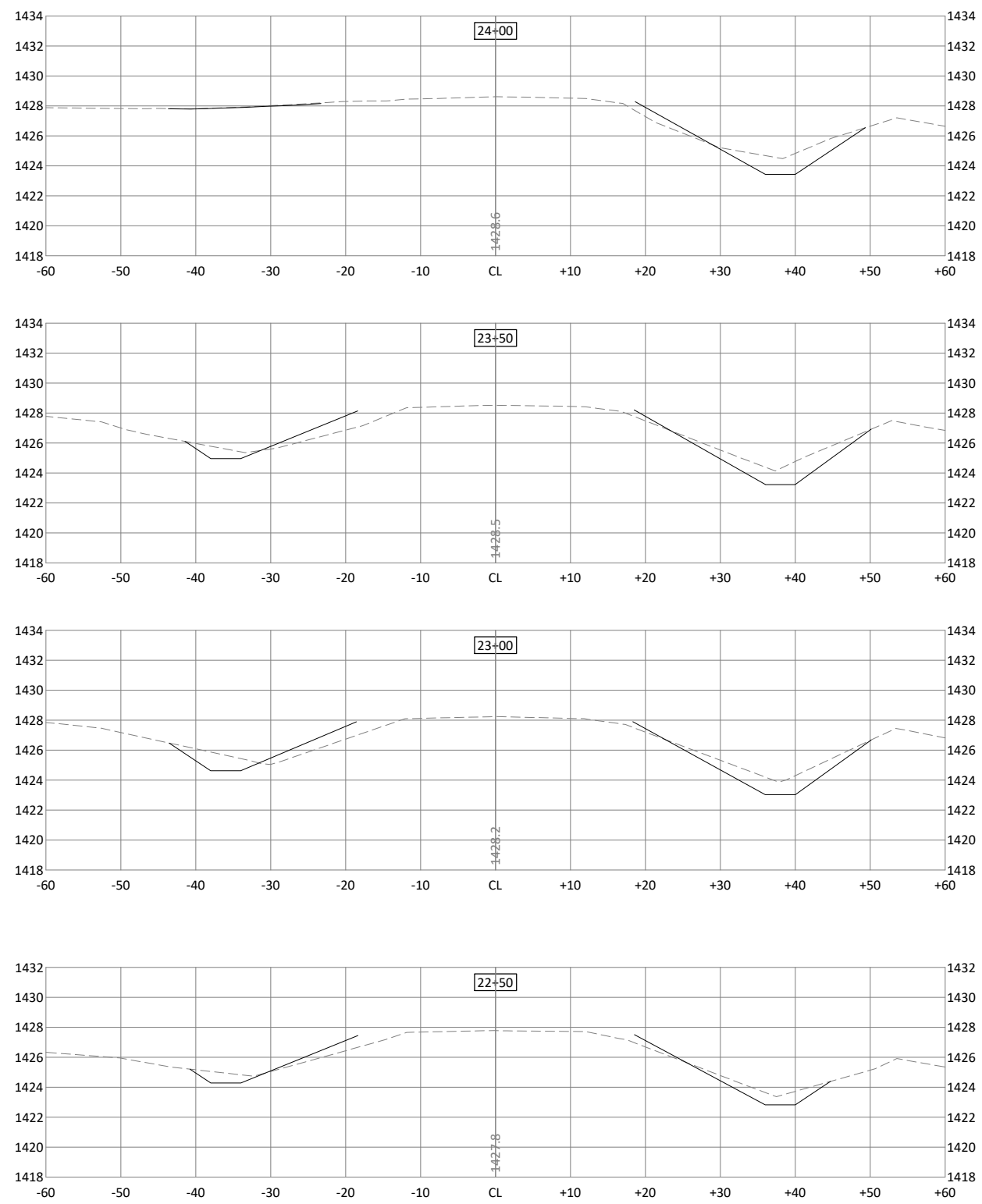
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ENGINEER'S ESTIMATE

E. RICHLAND STREET IMPROVEMENTS, PHASE 2
STBG-SWAP-7422(620)--SG-11



Real People. Real Solutions.

CITY OF STORM LAKE, IA
BMI PROJECT NO. 0P1.122814

Date: 4/19/2022

Item No.	SUDAS Spec No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
BASE BID							
1		EXCAVATION, CL 13, RDWY+BORROW		10940	CU YD	\$15.00	\$164,100.00
2		TOPSOIL, STRIP, SALVAGE+SPREAD		3969	CU YD	\$17.00	\$67,473.00
3		COMPACTION W/MOISTURE+DENSITY CONTROL		4697	CU YD	\$1.00	\$4,697.00
4		MODIFIED SUBBASE		846	CU YD	\$65.00	\$54,990.00
5		GRANULAR SHLD, TYPE A		152.9	TON	\$25.00	\$3,822.50
6		SHLD CONSTRUCTION, EARTH		8.1	STA	\$60.00	\$486.00
7		FURN+APPLY GRANULAR SHLD MAT'L		305	TON	\$10.00	\$3,050.00
8		STD/S-F PCC PAV'T, CL C CL 3, 8"		4354.2	SQ YD	\$60.00	\$261,252.00
9		SURF, DRIVEWAY, CL A CR STONE		160	TON	\$35.00	\$5,600.00
10		RMVL OF EXIST STRUCT		1	LUMP SUM	\$3,000.00	\$3,000.00
11		EXCAVATION, CL 20, RDWY PIPE CULV		415.3	CU YD	\$5.00	\$2,076.50
12		APRON, CONC, 18"		7	EACH	\$1,200.00	\$8,400.00
13		APRON, CONC, 24"		11	EACH	\$1,400.00	\$15,400.00
14		APRON, CONC, 30"		3	EACH	\$1,500.00	\$4,500.00
15		APRON, CONC, 42"		1	EACH	\$2,000.00	\$2,000.00
16		APRON, LOW CLEARANCE CONC, EQUIV DIA 24"		4	EACH	\$1,200.00	\$4,800.00
17		CULV, 3000D CONC ENT PIPE, 18"		200	LIN FT	\$70.00	\$14,000.00
18		CULV, 3000D CONC ENT PIPE, 24"		64	LIN FT	\$100.00	\$6,400.00
19		CULV, 3000D CONC ENT PIPE, 30"		64	LIN FT	\$135.00	\$8,640.00
20		CULV,3000D LOW CLR RDWY PIPE, EQ DIA 24"		112	LIN FT	\$82.00	\$9,184.00
21		CULV, 3000D CONC RDWY PIPE, 24"		160	LIN FT	\$110.00	\$17,600.00
22		MANHOLE, SAN SWR, SW-301, 48"		1	EACH	\$7,000.00	\$7,000.00
23		MANHOLE, STORM SWR, SW-401, 60"		1	EACH	\$6,000.00	\$6,000.00
24		MANHOLE, STORM SWR, SW-401, 84"		1	EACH	\$9,500.00	\$9,500.00
25		INTAKE, SW-505		4	EACH	\$4,500.00	\$18,000.00
26		MANHOLE ADJUSTMENT, MINOR		1	EACH	\$900.00	\$900.00
27		CONNECTION TO EXIST MANHOLE		3	EACH	\$2,100.00	\$6,300.00
28		SUBDRAIN, PERFORATED PLASTIC PIPE, 6"		1982	LIN FT	\$14.00	\$27,748.00
29		SUBDRAIN RISER, 6"		5	EACH	\$600.00	\$3,000.00
30		SUBDRAIN OUTLET, DR-303		9	EACH	\$500.00	\$4,500.00
31		STORM SWR GRAVITY MAIN, TRENCHED, 18"		83	LIN FT	\$63.00	\$5,229.00
32		STORM SWR GRAVITY MAIN, TRENCHED, 24"		413	LIN FT	\$70.00	\$28,910.00
33		STORM SWR GRAVITY MAIN, TRENCHED, 30"		99	LIN FT	\$78.00	\$7,722.00
34		STORM SWR GRAVITY MAIN, TRENCHED, 36"		32	LIN FT	\$120.00	\$3,840.00
35		STORM SWR GRAVITY MAIN, TRENCHED, 42"		80	LIN FT	\$165.00	\$13,200.00
36		RMV STORM SWR PIPE LE 36"		100	LIN FT	\$17.00	\$1,700.00
37		SAN SWR G-MAIN, TRENCHED, PVC, 8"		62	LIN FT	\$70.00	\$4,340.00
38		SAN SWR G-MAIN, TRENCHED, PVC, 24"		175	LIN FT	\$80.00	\$14,000.00
39		SAN SWR SERVICE STUB, PVC, 6"		50	LIN FT	\$90.00	\$4,500.00
40		RMV SAN SWR PIPE LE 36"		250	LIN FT	\$60.00	\$15,000.00
41		ENGINEER FABRIC		70	SQ YD	\$5.00	\$350.00
42		REVTMENT, CLASS E		50	TON	\$50.00	\$2,500.00
43		RMVL OF PAV'T		3710.5	SQ YD	\$4.00	\$14,842.00
44		DRIVEWAY, PCC, 8"		243	SQ YD	\$60.00	\$14,580.00
45		RMVL OF PAVED DRIVEWAY		532.4	SQ YD	\$7.00	\$3,726.80
46		SAFETY CLOSURE		6	EACH	\$150.00	\$900.00
47		RMV+REINSTALL SIGN		22	EACH	\$215.00	\$4,730.00
48		TRAFFIC CONTROL		1	LUMP SUM	\$30,000.00	\$30,000.00

ENGINEER'S ESTIMATE

E. RICHLAND STREET IMPROVEMENTS, PHASE 2
STBG-SWAP-7422(620)--SG-11



Real People. Real Solutions.

CITY OF STORM LAKE, IA
BMI PROJECT NO. 0P1.122814

Date: 4/19/2022

Item No.	SUDAS Spec No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
49		FLAGGER		30	EACH	\$500.00	\$15,000.00
50		PATCH, FULL-DEPTH FINISH, BY AREA		471	SQ YD	\$136.00	\$64,056.00
51		PATCH,FULL-DEPTH FINISH,BY AREA(=>50 FT)		668	SQ YD	\$100.00	\$66,800.00
52		PATCH, FULL-DEPTH FINISH, BY COUNT		22	EACH	\$160.00	\$3,520.00
53		RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)		1	EACH	\$460.00	\$460.00
54		PATCH, PARTIAL-DEPTH PCC FINISH		217	SQ FT	\$40.00	\$8,680.00
55		PARTIAL DEPTH PCC JNT+CRACK REPAIR PATCH		21	LIN FT	\$16.00	\$336.00
56		MOBILIZATION		1	LUMP SUM	\$95,000.00	\$95,000.00
57		REMEDICATION OF PETRO CONTAMINATED SOIL		1160	CU YD	\$50.00	\$58,000.00
58		SAMPLE+TEST-PETRO CONTAM (REMEDICATION)		4	EACH	\$2,000.00	\$8,000.00
59		BYPASS PUMPING, SE		1	LUMP SUM	\$25,000.00	\$25,000.00
60		WATER MAIN, TRENCHED, DIP, 6"		119	LIN FT	\$55.00	\$6,545.00
61		WATER MAIN, TRENCHED, DIP, 8"		90	LIN FT	\$65.00	\$5,850.00
62		WATER MAIN, TRENCHED, DIP, 12"		732	LIN FT	\$70.00	\$51,240.00
63		FITTINGS BY WEIGHT, DI		2026	POUND	\$10.00	\$20,260.00
64		WATER SERVICE STUB, COPPER, 2"		3	EACH	\$500.00	\$1,500.00
65		WATER SERV CURB STOP & BOX, COPPER, 2"		3	EACH	\$1,000.00	\$3,000.00
66		VALVE, GATE, DIP, 6"		3	EACH	\$1,600.00	\$4,800.00
67		VALVE, GATE, DIP, 12"		2	EACH	\$2,800.00	\$5,600.00
68		TAPPING VALVE ASSEMBLY, 6"		4	EACH	\$3,700.00	\$14,800.00
69		TAPPING VALVE ASSEMBLY, 12"		1	EACH	\$7,000.00	\$7,000.00
70		FIRE HYDRANT ASSEMBLY, WM-201		2	EACH	\$5,900.00	\$11,800.00
71		FLUSHING DEVICE (BLOWOFF), 6"		3	EACH	\$5,000.00	\$15,000.00
72		FIRE HYDRANT ADJUSTMENT		5	EACH	\$5,500.00	\$27,500.00
73		DELIVER + STOCKPILE SALVAGED MATERIAL		1	LUMP SUM	\$1,200.00	\$1,200.00
74		CONNECT TO EXISTING SANITARY		5	EACH	\$500.00	\$2,500.00
75		CONNECT TO EXISTING STORM		6	EACH	\$250.00	\$1,500.00
76		CONNECT TO EXISTING WATE		7	EACH	\$2,000.00	\$14,000.00
77		MANHOLE, WATER MAIN AIR R		1	EACH	\$10,000.00	\$10,000.00
78		SALVAGE FIRE H		2	EACH	\$850.00	\$1,700.00
79		TILE REPAI		5	EACH	\$950.00	\$4,750.00
80		TILE REPAIR 12"		5	EACH	\$950.00	\$4,750.00
81		EXPLORATORY EXCAVATION, G		20	HOUR	\$400.00	\$8,000.00
82		EXPLORATORY EXCAVATION, VAC		20	HOUR	\$400.00	\$8,000.00
83		WATER MAIN REMOVAL OR ABANDON		917	LIN FT	\$15.00	\$13,755.00
84		TEMPORARY W		1	LUMP SUM	\$15,000.00	\$15,000.00
85		POLYSTYRENE INSULATION		8	SQ YD	\$100.00	\$800.00
86		SEED+FERTILIZE (RURAL)		1.72	ACRE	\$3,500.00	\$6,020.00
87		SEED+FERTILIZE (URBAN)		1.56	ACRE	\$4,000.00	\$6,240.00
88		SLOPE PROTECTION, WOOD EXCELSIOR		1015	SQUARE	\$15.00	\$15,225.00
89		SPECIAL DITCH CONTROL,WOOD EXCELSIOR MAT		384	SQUARE	\$25.00	\$9,600.00
90		SILT FENCE		1842	LIN FT	\$1.75	\$3,223.50
91		SILT FENCE-DITCH CHECKS		565	LIN FT	\$1.75	\$988.75
92		RMVL OF SILT FENCE/SILT FENC-DITCH CHECK		2407	LIN FT	\$0.25	\$601.75
93		MAINT OF SILT FENC/SILT FENC-DITCH CHECK		2407	LIN FT	\$0.50	\$1,203.50
94		STAB CONSTR ENTRANCE, EC-303		190	LIN FT	\$58.00	\$11,020.00
95		PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9"		500	LIN FT	\$5.00	\$2,500.00
96		GRATE INTAKE SEDIMENT FILTER BAG		8	EACH	\$200.00	\$1,600.00
97		MAINT OF GRATE INTAKE SEDIMENT FLTR BAG		8	EACH	\$40.00	\$320.00

ENGINEER'S ESTIMATE

E. RICHLAND STREET IMPROVEMENTS, PHASE 2
STBG-SWAP-7422(620)--SG-11



CITY OF STORM LAKE, IA
BMI PROJECT NO. 0P1.122814

Date: 4/19/2022

Item No.	SUDAS Spec No.	Item	Notes	Estimated Quantity	Unit	Unit Price	Total Amount
98		RMVL OF GRATE INTAKE SEDIMENT FILTER BAG		8	EACH	\$40.00	\$320.00
99		MOBILIZATION, EROSION CONTROL		8	EACH	\$500.00	\$4,000.00
ESTIMATED BASE BID TOTAL:							\$1,583,053.30

Staff Summary

5/2/2022

Agenda Item # 16.



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.

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