

Received Date
6/06/2018

LANCASTER COUNTY
555 SOUTH 10TH STREET
LINCOLN, NE 68508

Utility Permit No. 1611

Project or WO No. 10442A.10

Application Date
Sept. 7, 2017

Application to Construct
Utilities On County property

Contract No.

County Rep. AGO

Application is hereby made to LANCASTER COUNTY by:

Name: Brian Kramer

Phone: (402)441-7987

Company Name: City of Lincoln

E-Mail: bakramer@lincoln.ne.gov

Address: 2400 Theresa St

Lincoln, NE 68521

To construct a utility or utilities on County right-of-way as follows:

LEGAL DESCRIPTION:

SW 1/4 NE 1/4 Sect. 29 T10N R8E

The Steven's Creek Sub Basin E3 Sanitary Sewer Project will construct sanitary sewer within county R-O-W off of 120th St (north of A St), A St (near its intersection with 120th St), 112th St (south of the Mopac Trail), and 98th St (north of Van Dorn). The sanitary sewer will be bored under 120th and A Streets. All other construction will be open trench.

UTILITY TO BE CONSTRUCTED

TYPE	DESCRIPTION	ANNOTATION
Sanitary Sewer	Pipe Size & Type	6590 ft of 36" Gravity Sewer
Sanitary Sewer	Pipe Size & Type	3180 ft of 30" Gravity Sewer
Sanitary Sewer	Pipe Size & Type	4070 ft of 24" Gravity Sewer

Other No utility to be buried directly above a drainage structure. Existing utilities will be separated by 24".

PROPOSED UTILITY INSTALLATION

METHOD	SIZE/WIDTH	DESCRIPTION	DEPTH	DESCRIPTION
Open Trench	Width	9' wide trench for the 36" pipe	Depth	37'
Open Trench	Width	8' wide trench for the 30" pipe	Depth	34'
Open Trench	Width	6.0' wide trench for the 24" pipe	Depth	26'

Other Continuous Bore 476' - 42" Dia. Bore, Depth - 33' // ***Contact Ron Bohaty at 402-441-7797 48 hours prior to any construction in County Right-of-way.***

NAME AND ADDRESS OF CONTRACTOR(S) PERFORMING THE WORK (if Applicable):

T.J. Osborn Construction, Inc.

5801 Johanna Road

Lincoln NE 68507

UTILITY PERMIT REQUIREMENTS

NOTE – If Engineer plan sheet project notes conflict with Lancaster County’s utility permit application requirements and the special utility permit requirements, the utility permit application requirements and special utility permit requirements shall govern. See Page 6 for additional requirements upon permit approval.

1. Unless agreed to in writing in advance by the owner, the depth of installed facilities shall be at a minimum as follows:
 - A. For utility installation parallel to the roadway, the minimum depth of burial will be 42” (48” in road ditches) measured from the ground surface to the top of the utility, except as noted in “C” below.
 - B. For utility installation transverse to the roadway the minimum depth of burial will be 48” measured from the ground surface to the top of the utility, except as noted in “C” below.
 - C. The minimum depth of burial beneath drainage structures, waterways, creek channels, or culverts within 5’ of the utility route will be 72”, measured from the flow line of the drainage structure, waterway, or creek channel (whichever is lower), to the top of the utility.
 - D. No utility will be buried directly above a drainage structure, **regardless of the burial depth.**
 - E. All crossings with existing utilities will be separated by a minimum of 24”, both horizontally and vertically.
 - F. All paved road and paved driveway crossings will be dry-bored.
 - G. All areas disturbed by construction will be restored to their pre-construction condition. This includes: all open-cut crossings to be backfilled with material excavated from trench; no sand or crushed rock backfill will be allowed; and compaction of backfills to a density equal to or greater than the surrounding soil in and around trenches, bore pits, pull boxes, and other utility appurtenances. It also includes replacing roadway and driveway surfacing lost or damaged by construction, and re-seeding of all areas disturbed by the work.
 - H. Trees within the right-of-way will be preserved by the contractor when possible. All trees, bushes, brush, debris piles, resulting from clearing or grubbing operations will become the property of the contractor and will be removed from county property at the contractor’s expense.
2. The contractor performing the work shall have onsite a copy of approved utility permit allowing permitted work to be done within County Road Right-of-Way.
3. The utility owner or his representative will mark all existing Lancaster County drainage structures along the proposed utility installation route 24 hours prior to construction at a culvert site. All structures will be marked in a manner so as to allow the Utility’s Contractor to identify all “Bore” locations.
4. The contractor will notify Lancaster County Maintenance Superintendent Ron Bohaty at 402-441-7797, within 48 hours, prior to commencing construction on county right-of way.
5. Contractor performing the work to submit insurance certificate naming Lancaster County as additional insured prior to any activities in the right-of-way. Contractor shall also provide Lancaster County a 30 day notice of cancellation, non-renewal or any material reduction of insurance coverage.
6. The applicant, or his contractor, shall contact the local utility companies and request location of any buried utilities. Damage to any utilities, either on County right-of-way or adjacent to County right-of-way, shall be repaired at the expense of the applicant or his contractor.

7. Future road construction work could necessitate relocation of utilities. Those utility relocation costs shall be borne by the utility owner.
8. All trenches shall be backfilled the same day trench was excavated except for the portion where the work is to be continued the next day. The portion left open for work continuation shall be protected by barricades with flashing lights at night. No open trenches in the roadway will be allowed overnight. (Except when such road is closed for construction or except with prior conditional approval to be noted on page #6)
9. Roads may be closed for a maximum of 12 hours, with prior review and approval from this office. (See #11 for signage layout)
10. Road closures longer than 12 hours will require prior review and shall include an approved detour plan. (See #11 for signage layout)
11. Three Type III barricades w/Type A flashing lights shall be placed on each side of construction site. "Road Closed" {R 1 1-2} signs shall be mounted on the middle barricade on each side of the construction site. At the nearest intersection each way from crossing, a "Road Closed _____ Miles ahead -- Local Traffic Only" (R11-3) sign shall be placed.
12. All barricading, flagmen, warning signs, etc. shall conform to the current **Manual on Uniform Traffic Control Devices.**
13. No equipment shall be left unattended on public right-of-way. No trenches shall be left open after working hours. No equipment shall block traffic control devices. If necessary, flagmen shall be required.
14. All pipe and encasements to conform to State Highway Standards.
15. **Notification of proposed utility work to adjacent landowners shall be the responsibility of the Utility Company and or their Agents.**
16. *****Utility Company and or their Agents shall be responsible to notify the Lancaster County Engineering Department upon completion of permitted utility work.*****

TYPICAL CROSS SECTION OF ROAD CROSSING

(Proposed Drawing by Applicant)

I (We) agree to construct the gravity sanitary sewer system in accordance with the permit requirements and
(utility)
the provisions included as a part of this permit.

COMPANY: City of Lincoln

DATE: _____

SIGNED BY: Brian Kramer Digitally signed by Brian Kramer
Date: 2017.10.17 10:08:47 -05'00'

EXECUTION BY LANCASTER COUNTY

The above application is hereby approved subject to the requirements and provisions of the permit.

APPROVED and dated this _____ day of _____ by the Lancaster County
Board of Commissioners.

LANCASTER COUNTY BOARD OF COMMISSIONERS

Chairperson

APPROVED as to form

this _____ day of _____

Deputy County Attorney

REVIEWED this _____ day of _____, _____

Lancaster County Engineering Representative

I (We) agree to construct the _____ in accordance with the permit requirements and
(utility)
the provisions included as a part of this permit.

COMPANY: _____

DATE: _____

SIGNED BY: _____

EXECUTION BY LANCASTER COUNTY

The above application is hereby approved subject to the requirements and provisions of the permit.

Date _____

Signed By: _____
Lancaster County Representative

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(TO BE FILLED IN BY COUNTY PERSONNEL)

Encasement Requirements:

Comply with all Local, State, And Federal requirements having to do with pipe encasement.

Barricade, Signing and Flagging Requirements:

Comply with Section #12 of the Utility Permit Requirements.

Methods of Installation:

13,840 Lineal Feet of Open Trench, see construction drawings for locations.
476' Lineal Feet of Continuous Bore, see construction drawings for locations.

Minimum Cover Provided in Road Ditches:

Comply with Section #1 of the Utility Permit Requirements

Other Requirements:

Comply with Section #2 of the Utility Permit Requirements: The Contractor is required to have a copy of the permit in-hand at all times while construction is in progress.

Comply with Section #4 of the Utility Permit Requirements: Contractor to contact Lancaster County Maintenance Superintendent Ron Bohaty (402) 441-7797 within 48-hours prior to beginning construction in the County Right-of-Way.

Additional Comments:

Comply with ALL Sections of the Utility Permit Requirements.

Utility Owners responsibility to notify Lancaster County upon completion of permitted work.

**INSURANCE CLAUSE
FOR LANCASTER COUNTY ENGINEER UTILITY PERMITS**

Insurance; Coverage Information

The contractor shall, prior to beginning work, provide proof of insurance coverage in a form satisfactory to the County, which shall not withhold approval unreasonably. The coverages and minimum levels required by this contract are set forth below and shall be in effect for all times that work is being done pursuant to this Contract. No work on the Project or pursuant to this Contract shall begin until all insurance obligations herein are met to the satisfaction of the County, which shall not unreasonably withhold approval. Self-insurance shall not be permitted unless consent is given by the County prior to execution of the Agreement and may require submission of financial information for analysis. Deductible levels shall be provided in writing from the Contractor's insurer and will be no more than \$25,000.00 per occurrence. Said insurance shall be written on an **OCCURRENCE** basis, and shall be **PRIMARY, with any insurance coverage maintained by the County being secondary or excess.**

Certificates

The Contractor shall provide certificates of insurance and endorsements evidencing compliance with these requirements. The Contractor shall provide a Certificate of Insurance demonstrating the coverage required herein and the necessary endorsements and waivers described herein and below before being permitted to begin the work or project. All certificates, endorsements and endorsement forms (where required) must be acceptable to the County Attorney. Certificates shall include an endorsement to provide for at least thirty (30) days' firm written notice in the event of cancellation. During the term of the Agreement and during the period of any required continuing coverages, the Contractor shall provide, prior to expiration of the policies, certificates and endorsement forms evidencing renewal insurance coverages. The parties agree that the failure of County to object to the form of a certificate and/or additional insured endorsement or endorsement forms provided shall not constitute a waiver of this requirement.

1. Commercial General Liability

The Contractor shall provide proof of Commercial General Liability Insurance with a minimum limit of not less than \$1,000,000.00 each occurrence and \$2,000,000.00 aggregate. These minimum limits can be met by primary and umbrella liability policies. Coverage shall include: Premises-Operations, Products/ Completed Operations, Contractual, Broad Form Property Damage, and Personal Injury. Such coverage shall be endorsed for the general aggregate to be on a **PER PROJECT** basis, and the contractor shall provide an additional insured endorsement acceptable to the County. The required insurance must include coverage for all projects and operations of Contractor or similar language that meets the approval of the County, which approval shall not be unreasonably withheld.

1.1 Additional Insured (Requires an Endorsement Form)

An Additional Insured Endorsement Form showing the County as additional Insured.

1.2 Automobile Liability

The Contractor shall provide proof of Automobile Liability coverage, which shall include: Owned, Hired and Non-Owned. Bodily Injury and Property Damage Combined Single Limit shall be at least \$1,000,000 Per Accident.

1.3 Intentionally Omitted

1.4. Workers' Compensation; Employers' Liability

The Contractor shall provide proof of workers' compensation insurance of not less than minimum statutory requirements under the laws of the State of Nebraska and any other applicable State. Employers' Liability coverage with limits of not less than \$500,000.00 each accident or injury shall be included. The Contractor shall provide the County with an endorsement for waiver of subrogation. The contractor shall also be responsible for ensuring that all subcontractors have workers' compensation insurance for their employees before and during the time any work is done pursuant to this Contract.

1.5 Intentionally Omitted

1.5.1 Intentionally Omitted

1.6 Intentionally Omitted

1.7 Intentionally Omitted

1.8 Railroad Contractual Liability Insurance (Required only if appropriate)

If work is to be performed within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road beds, tunnel, underpass or railroad crossing, the Contractor must provide an endorsement (ISO® form CG24170193 or newer) that removes or deletes any exception for such work in the Contractor's commercial general liability policy. Any endorsement not described herein shall be subject to the approval of the County Attorney.

1.8.1 Railroad Protective Liability (Required only if appropriate)

If work is to be performed within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road beds, tunnel, underpass or crossing or otherwise required by the Special Provisions or applicable requirements of an affected railroad, the Contractor shall provide Railroad Protective Liability Insurance naming the affected railroad/s as insured with minimum limits for bodily injury and property damage of \$2,000,000 per occurrence, \$6,000,000 aggregate, or such other limits as required in the Special Provisions or by the affected railroad. The original of the policy shall be furnished to the railroad and a certified copy of the same furnished to the County Purchasing Department prior to any related construction or entry upon railroad premises by the Contractor or for work related to the Contract.

1.9 Intentionally Omitted

2. Risk of Loss

Except to the extent covered by the builder's risk insurance, the Contractor shall have the sole responsibility for the proper storage and protection of, and assumes all risk of loss of, any Subcontractor's Work and tools, materials, equipment, supplies, facilities, offices and other property at or off the Project site. The Contractor shall be solely responsible for ensuring each subcontractor shall take every reasonable precaution in the protection of all structures, streets, sidewalks, materials and work of other subcontractors. Contractor shall protect its Work from damage by the elements or by other trades working in the area.

3. Umbrella or Excess Liability

The Contractor may use an Umbrella, Excess Liability, or similar coverage to supplement the primary insurance stated above in order to meet or exceed the minimum coverage levels required by this Contract.

4. Minimum Scope of Insurance

All Liability Insurance policies shall be written on an "Occurrence" basis only. All insurance coverage are to be placed with insurers authorized to do business in the State of Nebraska and must be placed with an insurer that has an A.M. Best's Rating of no less than A:VII unless specific approval has been granted otherwise.

5. Indemnification

To the fullest extent permitted by law the Contractor shall indemnify, defend, and hold harmless the County, its elected officials, officers, employees, agents, consultants, and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorney fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible or intangible property, including the Work itself, but only to the extent caused by the negligent, wrongful, or intentional acts or omissions of the Contractor, a subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by the negligence of a party indemnified hereunder. In the event the claim, damage, loss or expense is caused in part by the negligence of a party indemnified hereunder, the indemnification by the Contractor shall be prorated based on the extent of the liability of the party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce obligations of indemnity which would otherwise exist as to a party or person described in this Section. Nothing herein shall be construed to be a waiver of sovereign immunity by the County.

6. Reservation of Rights

The County reserves the right to require a higher limit of insurance or additional coverages when the County determines that a higher limit or additional coverage is required to protect the County or the interests of the public. Such changes in limits or coverages shall be eligible for a change order or amendment to the Contract.

7. Sovereign Immunity

Nothing contained in this clause or other clauses of this Agreement/Contract shall be construed to waive the Sovereign Immunity of the County.

For questions regarding Insurance Requirements, please contact Risk Management.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/28/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER UNICO Group, Inc. 1128 Lincoln Mall Suite 200 Lincoln NE 68508	CONTACT NAME: Mary Kent PHONE (A/C, No, Ext): (402)434-7200 E-MAIL ADDRESS: mkent@unicogroup.com		FAX (A/C, No): (402)434-7272
	INSURER(S) AFFORDING COVERAGE		
INSURED T.J. Osborn Construction, Inc. 5801 Johanna Road Lincoln NE 68507	INSURER A: BITCO		NAIC #
	INSURER B: Cincinnati Insurance Co.		10677
	INSURER C:		
	INSURER D:		
	INSURER E:		
INSURER F:			

COVERAGES

CERTIFICATE NUMBER: 18/19 GL, AU, UMB, WC

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			CLP3665414	3/1/2018	3/1/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			CAP3665415	3/1/2018	3/1/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			EXS0065396	3/1/2018	3/1/2019	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	WC3665413	3/1/2018	3/1/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The general liability policy includes a blanket automatic additional insured endorsement that provides additional insured status only when there is a written contract between the named insured and the certificate holder that requires such status. The General Liability and Workers Compensation include a Waiver of Subrogation as required by written contract with the named insured prior to a loss. The blanket endorsements provide additional insured status for the Lancaster County as required by written contract.

CERTIFICATE HOLDER

(402)441-6576 aolson@lanaster.ne.gov
 Lancaster County
 555 South 10th Street
 Lincoln, NE 68508

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Ric Stoakes/YOST

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SCHEDULE OF FORMS AND ENDORSEMENTS

NAMED INSURED		POLICY NUMBER
T. J. OSBORN CONSTRUCTION, INC.		CLP 3 665 414
GU-3076	(04/16)	PRIVACY STATEMENT
GU-4320	(05/04)	ADVISORY NOTICE TO POLICYHOLDERS
GU-4871	(04/16)	POLICYHOLDER DISCLOSURE - NOTICE OF TERRORISM INSURANCE COVERAGE
GU-5066	(08/16)	POLICYHOLDER NOTICE
GU-2368	(04/16)	AUDIT INFORMATION
GU-5032	(11/15)	ADVISORY NOTICE TO POLICYHOLDERS
GU 2510	(06/96)	QUICK REFERENCE - COMMERCIAL GENERAL LIABILITY COVERAGE PART
GU-2990	(05/00)	FLOOD INSURANCE NOTICE
GOX 2281	(12/92)	SCHEDULE OF PREMISES LOCATIONS
GOX 2279	(12/92)	SCHEDULE OF FORMS AND ENDORSEMENTS
GOX-2287CN	(01/93)	MANUSCRIPT ENDORSEMENT
CLP-2584	(04/16)	COMMERCIAL LINES POLICY DECLARATIONS
IL 00 17	(11/98)	COMMON POLICY CONDITIONS
IL 00 21	(05/02)	NUCLEAR ENERGY LIABILITY EXCLUSION ENDORSEMENT
IL 01 22	(09/07)	NEBRASKA CHANGES - ACTUAL CASH VALUE
IL 01 59	(09/07)	NEBRASKA CHANGES - FRAUD OR MISREPRESENTATION
IL 01 64	(07/02)	NEBRASKA CHANGES - APPRAISAL
IL 02 59	(09/07)	NEBRASKA CHANGES - CANCELLATION AND NONRENEWAL
IL 09 35	(07/02)	EXCLUSION OF CERTAIN COMPUTER RELATED LOSSES
IL 09 53	(01/15)	EXCLUSION OF CERTIFIED ACTS OF TERRORISM
GL-2438-PKG	(04/16)	COMMERCIAL GENERAL LIABILITY DECLARATIONS
GOX-2446	(07/95)	COMMERCIAL GENERAL LIABILITY SCHEDULE
GOX-2446	(07/95)	COMMERCIAL GENERAL LIABILITY SCHEDULE
CG 00 01	(04/13)	COMMERCIAL GENERAL LIABILITY COVERAGE FORM
CG 21 42	(12/04)	EXCLUSION - EXPLOSION, COLLAPSE AND UNDERGROUND PROPERTY DAMAGE HAZARD (SPECIFIED OPERATIONS)
GL-2784	(09/11)	EXTENDED LIABILITY COVERAGE
GL-3085	(09/11)	UTILITY CONTRACTORS EXTENDED LIABILITY COVERAGE
L 1751b	(09/14)	EXCLUSION (ASBESTOS)
L 2474a	(02/99)	EXCLUSION - LEAD
CG 03 00	(01/96)	DEDUCTIBLE LIABILITY INSURANCE
CG 21 09	(06/15)	EXCLUSION - UNMANNED AIRCRAFT
CG 21 47	(12/07)	EMPLOYMENT-RELATED PRACTICES EXCLUSION
CG 21 67	(12/04)	FUNGI OR BACTERIA EXCLUSION
CG 21 73	(01/15)	EXCLUSION OF CERTIFIED ACTS OF TERRORISM
CG 21 86	(12/04)	EXCLUSION - EXTERIOR INSULATION AND FINISH SYSTEMS
CG 22 34	(04/13)	EXCLUSION - CONSTRUCTION MANAGEMENT ERRORS AND OMISSIONS
CG 22 79	(04/13)	EXCLUSION - CONTRACTORS - PROFESSIONAL LIABILITY
GL-4302	(09/14)	SILICA EXCLUSION
GL-4666	(01/11)	EXCLUSION - ENGINEERS, ARCHITECTS OR SURVEYORS PROFESSIONAL LIABILITY
GOX-2545A	(04/11)	COMMERCIAL PROPERTY SCHEDULE
GOX-2545A	(04/11)	COMMERCIAL PROPERTY SCHEDULE
CP 00 10	(10/12)	BUILDING AND PERSONAL PROPERTY COVERAGE FORM
CP 00 90	(07/88)	COMMERCIAL PROPERTY CONDITIONS
CP 10 30	(10/12)	CAUSES OF LOSS - SPECIAL FORM
IM-2750	(07/98)	INLAND MARINE LOSS PAYABLE ENDORSEMENT
CP 01 40	(07/06)	EXCLUSION OF LOSS DUE TO VIRUS OR BACTERIA
CP 2230C	(12/03)	EXTENDED PROPERTY COVERAGE
CP 01 24	(07/00)	NEBRASKA CHANGES
CP-4753	(01/13)	NEWLY ACQUIRED PROPERTY AT DESCRIBED PREMISES
IM-2878	(09/99)	INSTALLATION/DISMANTLING FLOATER DECLARATIONS
IM-1785	(11/85)	GENERAL PURPOSE INLAND MARINE DECLARATIONS

SCHEDULE OF FORMS AND ENDORSEMENTS

NAMED INSURED		POLICY NUMBER
T. J. OSBORN CONSTRUCTION, INC.		CLP 3 665 414
CM 00 01	(09/04)	COMMERCIAL INLAND MARINE CONDITIONS
CM 01 25	(07/00)	NEBRASKA CHANGES
IM-1302d	(09/93)	EQUIPMENT SCHEDULE AND DEDUCTIBLE
IM-1302d	(09/93)	EQUIPMENT SCHEDULE AND DEDUCTIBLE
IM-0495J	(06/05)	CONTRACTORS' EQUIPMENT COVERAGE - SCHEDULED EQUIPMENT FORM
IM-1351C	(06/05)	RENTAL REIMBURSEMENT ENDORSEMENT
IM-1615C	(07/05)	CONTRACTORS EQUIPMENT LEASED, BORROWED OR RENTED FROM OTHERS
IM-2882A	(05/05)	INSTALLATION FLOATER COVERAGE
MAN-CO	(01/02)	MANUSCRIPT ENDORSEMENT

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

UTILITY CONTRACTORS EXTENDED LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

It is agreed that the provisions listed below apply only upon the entry of an in the box next to the caption of such provision.

- | | |
|--|---|
| A. <input checked="" type="checkbox"/> Partnership and Joint Venture Extension | M. <input checked="" type="checkbox"/> Construction Project General Aggregate Limits |
| B. <input checked="" type="checkbox"/> Contractors Automatic Additional Insured Coverage – Ongoing Operations | N. <input checked="" type="checkbox"/> Fellow Employee Coverage |
| C. <input checked="" type="checkbox"/> Automatic Waiver of Subrogation | O. <input checked="" type="checkbox"/> Property Damage to the Named Insured's Work |
| D. <input checked="" type="checkbox"/> Extended Notice of Cancellation, Nonrenewal | P. <input checked="" type="checkbox"/> Care, Custody or Control |
| E. <input checked="" type="checkbox"/> Unintentional Failure to Disclose Hazards | Q. <input checked="" type="checkbox"/> Electronic Data Liability Coverage |
| F. <input checked="" type="checkbox"/> Broadened Mobile Equipment | R. <input checked="" type="checkbox"/> Consolidated Insurance Program Residual Liability Coverage |
| G. <input checked="" type="checkbox"/> Personal and Advertising Injury - Contractual Coverage | S. <input checked="" type="checkbox"/> Automatic Additional Insureds – Managers or Lessors of Premises |
| H. <input checked="" type="checkbox"/> Nonemployment Discrimination | T. <input checked="" type="checkbox"/> Automatic Additional Insureds – State or Governmental Agency or Political Subdivisions – Permits or Authorizations |
| I. <input checked="" type="checkbox"/> Liquor Liability | U. <input checked="" type="checkbox"/> Contractors Automatic Additional Insured Coverage – Completed Operations |
| J. <input checked="" type="checkbox"/> Broadened Conditions | V. <input checked="" type="checkbox"/> Additional Insured – Engineers, Architects or Surveyors |
| K. <input checked="" type="checkbox"/> Automatic Additional Insureds – Equipment Leases | |
| L. <input checked="" type="checkbox"/> Insured Contract Extension - Railroad Property and Construction Contracts | |

A. PARTNERSHIP AND JOINT VENTURE EXTENSION

The following provision is added to **SECTION II - WHO IS AN INSURED:**

The last full paragraph which reads as follows:

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

is deleted and replaced with the following:

With respect to the conduct of any past or present joint venture or partnership not shown as a Named Insured in the Declarations and of which you are or were a partner or member, you are an insured, but only with respect to liability arising out of "your work" on behalf of any partnership or joint venture not shown as a Named Insured in the Declarations, provided no other similar liability

insurance is available to you for "your work" in connection with your interest in such partnership or joint venture.

B. CONTRACTORS AUTOMATIC ADDITIONAL INSURED COVERAGE – ONGOING OPERATIONS

SECTION II – WHO IS AN INSURED is amended to include as an additional insured any person or organization who is required by written contract to be an additional insured on your policy, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the project(s) designated in the written contract.

With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

C. AUTOMATIC WAIVER OF SUBROGATION

Item **8.** of **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS**, is deleted and replaced with the following:

- 8. Transfer of Rights of Recovery Against Others to Us and Automatic Waiver of Subrogation.**
 - a. If the insured has rights to recover all or part of any payment we have made under this Coverage Form, those rights are transferred to us. The insured must do nothing after loss to impair those rights. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.
 - b. If required by a written contract executed prior to loss, we waive any right of recovery we may have against any person or organization because of payments we make for injury or damage arising out of "your work" for that person or organization.

D. EXTENDED NOTICE OF CANCELLATION, NONRENEWAL

Item **A.2.b.** of the **COMMON POLICY CONDITIONS**, is deleted and replaced with the following:

- A.2.b.** 60 days before the effective date of the cancellation if we cancel for any other reason.

Item **9.** of **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS**, is deleted and replaced with the following:

9. WHEN WE DO NOT RENEW

- a.** If we choose to nonrenew this policy, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 60 days before the expiration date.
- b.** If we do not give notice of our intent to nonrenew as prescribed in **a.** above, it is agreed that you may extend the period of this policy for a maximum additional sixty(60) days from its scheduled expiration date. Where not otherwise prohibited by law, the existing terms, conditions and rates will remain in effect during that extension period. It is further agreed that so long as it is not otherwise prohibited by law, this one time sixty day extension is the sole remedy and liquidated damages available to the insured as a result of our failure to give the notice as prescribed in **9. a.** above.

E. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS

Although we relied on your representations as to existing and past hazards, if unintentionally you should fail to disclose all such hazards at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

F. BROADENED MOBILE EQUIPMENT

Item **12.b.** of **SECTION V - DEFINITIONS**, is deleted and replaced with the following:

- 12.b.** Vehicles maintained for use solely on or next to premises, sites or locations you own, rent or occupy.

G. PERSONAL AND ADVERTISING INJURY - CONTRACTUAL COVERAGE

Exclusion 2.e. of **SECTION I, COVERAGE B** is deleted.

H. NONEMPLOYMENT DISCRIMINATION

Unless "personal and advertising injury" is excluded from this policy:

Item **14.** of **SECTION V - DEFINITIONS**, is amended to include:

"Personal and advertising injury" also means embarrassment or humiliation, mental or emotional distress, physical illness, physical impairment, loss of earning capacity or monetary loss, which is caused by "discrimination."

SECTION V - DEFINITIONS, is amended to include:

"Discrimination" means the unlawful treatment of individuals based on race, color, ethnic origin, age, gender or religion.

Item **2. Exclusions** of **SECTION I, COVERAGE B**, is amended to include:

"Personal and advertising injury" arising out of "discrimination" directly or indirectly related to the past employment, employment or prospective employment of any person or class of persons by any insured;

"Personal and advertising injury" arising out of "discrimination" by or at your, your agents or your "employees" direction or with your, your agents or your "employees" knowledge or consent;

"Personal and advertising injury" arising out of "discrimination" directly or indirectly related to the sale, rental, lease or sub-lease or prospective sale, rental, lease or sub-lease of any dwelling, permanent lodging or premises by or at the direction of any insured; or

Fines, penalties, specific performance or injunctions levied or imposed by a governmental entity, or governmental code, law, or statute because of "discrimination."

I. LIQUOR LIABILITY

Exclusion 2.c. of **SECTION I, COVERAGE A**, is deleted.

J. BROADENED CONDITIONS

Items **2.a.** and **2.b.** of **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS**, are deleted and replaced with the following:

2. Duties In The Event Of Occurrence, Offense, Claim Or Suit:

- a.** You must see to it that we are notified of an "occurrence" or an offense which may result in a claim as soon as practicable after the "occurrence" has been reported to you, one of your officers or an "employee" designated to give notice to us. Notice should include:
 - (1)** How, when and where the "occurrence" or offense took place;
 - (2)** The names and addresses of any injured persons and witnesses; and
 - (3)** The nature and location of any injury or damage arising out of the "occurrence" or offense.
- b.** If a claim is made or "suit" is brought against any insured, you must:
 - (1)** Record the specifics of the claim or "suit" and the date received as soon as you, one of your officers, or an "employee" designated to record such information is notified of it; and
 - (2)** Notify us in writing as soon as practicable after you, one of your officers, your legal department or an "employee" you designate to give us such notice learns of the claims or "suit."

Item **2.e.** is added to **SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS:**

- 2.e.** If you report an "occurrence" to your workers compensation insurer which develops into a liability claim for which coverage is provided by the Coverage Form, failure to report such "occurrence" to us at the time of "occurrence" shall not be deemed in violation of paragraphs **2.a., 2.b., and 2.c.** However, you shall give written notice of this "occurrence" to us as soon as you are made aware of the fact that this "occurrence" may be a liability claim rather than a workers compensation claim.

K. AUTOMATIC ADDITIONAL INSURED - EQUIPMENT LEASES

SECTION II - WHO IS AN INSURED is amended to include any person or organization with whom you agree in a written equipment lease or rental agreement to name as an additional insured with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, at least in part, by your maintenance, operation, or use by you of the equipment leased to you by such person or organization, subject to the following additional exclusions.

The insurance provided to the additional insured does not apply to:

- 1.** "Bodily injury" or "property damage" occurring after you cease leasing the equipment.

2. "Bodily injury" or "property damage" arising out of the sole negligence of the additional insured.
3. "Property damage" to:
 - a. Property owned, used or occupied by or rented to the additional insured; or
 - b. Property in the care, custody or control of the additional insured or over which the additional insured is for any purpose exercising physical control.

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

L. INSURED CONTRACT EXTENSION - RAILROAD PROPERTY AND CONSTRUCTION CONTRACTS

Item **9.** of **SECTION V - DEFINITIONS**, is deleted and replaced with the following.

- 9.** "Insured Contract" means:
- a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";
 - b. A sidetrack agreement;
 - c. Any easement or license agreement;
 - d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
 - e. An elevator maintenance agreement;
 - f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph **f.** does not include that part of any contract or agreement:

- (1) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a) Preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
 - (b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or
- (2) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in (1) above and supervisory, inspection, architectural or engineering activities.

M. CONSTRUCTION PROJECT GENERAL AGGREGATE LIMITS

This modifies **SECTION III - LIMITS OF INSURANCE**.

- A.** For all sums which can be attributed only to ongoing operations at a single construction project for which the insured becomes legally obligated to pay as damages caused by an "occurrence" under **SECTION I - COVERAGE A**, and for all medical expenses caused by accidents under **SECTION I - COVERAGE C**:
1. A separate Construction Project General Aggregate Limit applies to each construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 2. The Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard," and for medical expenses under **COVERAGE C** regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits."
 3. Any payments made under **COVERAGE A** for damages or under **COVERAGE C** for medical expenses shall reduce the Construction Project General Aggregate Limit for that construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Construction Project General Aggregate Limit for any other construction project.
 4. The limits shown in the Declarations for Each Occurrence, Fire Damage and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Construction Project General Aggregate Limit.
- B.** For all sums which cannot be attributed only to ongoing operations at a single construction project for which the insured becomes legally obligated to pay as damages caused by an "occurrence" under **SECTION I - COVERAGE A**, and for all medical expenses caused by accidents under **SECTION I - COVERAGE C**:
1. Any payments made under **COVERAGE A** for damages or under **COVERAGE C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
 2. Such payments shall not reduce any Construction Project General Aggregate Limit.
- C.** Payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Construction Project General Aggregate Limit.
- D.** If a construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.
- E.** The provisions of **SECTION III - LIMITS OF INSURANCE** not otherwise modified by this endorsement shall continue to be applicable.

N. FELLOW EMPLOYEE COVERAGE

Exclusion 2.e. Employers Liability of **SECTION I, COVERAGE A**, is deleted and replaced with the following:

2.e. "Bodily injury" to

(1) An "employee" of the insured arising out of and in the course of:

(a) Employment by the insured; or

(b) Performing duties related to the conduct of the insured's business; or

(2) The spouse, child, parent, brother or sister of that "employee" as a consequence of paragraph (1) above.

This exclusion applies:

(1) Whether the insured may be liable as an employer or in any other capacity; and

(2) To any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to:

(1) Liability assumed by the insured under an "insured contract"; or

(2) Liability arising from any action or omission of a co-"employee" while that co-"employee" is either in the course of his or her employment or performing duties related to the conduct of your business.

Item **2.a. (1)(a)** of **SECTION II - WHO IS AN INSURED**, is deleted and replaced with the following:

2.a. (1)(a) To you, to your partners or members (if you are a partnership or joint venture) or to your members (if you are a limited liability company), or to your "volunteer workers" while performing duties related to the conduct of your business.

O. PROPERTY DAMAGE TO THE NAMED INSURED'S WORK

Exclusion I of **SECTION I, COVERAGE A**. is deleted and replaced with the following:

I. Damage to Your Work

"Property damage" to "your work" arising out of it or any part of it and included in the "products completed operation hazard."

This exclusion applies only to that portion of any loss in excess of \$50,000 per occurrence if the damaged work and the work out of which the damage arises was performed by you.

This exclusion does not apply if the damaged work or the work out of which the damage arises was performed on your behalf by a subcontractor.

P. CARE, CUSTODY OR CONTROL

Exclusion 2.j.4 of **SECTION I, COVERAGE A**. is deleted and replaced with the following:

2.j.4 Personal property in the care, custody or control of the insured. However, for personal property in the care, custody or control of you or your "employees," this exclusion applies only to that portion of any loss in excess of \$25,000 per occurrence, subject to the following terms and conditions;

- (a) The most that we will pay under this provision as an annual aggregate is \$100,000, regardless of the number of occurrences.
- (b) This provision does not apply to "employee" owned property or any property that is missing where there is not physical evidence to show what happened to the property.
- (c) The aggregate limit for this coverage provision is part of the General Aggregate Limit and **SECTION III - LIMITS OF INSURANCE** is changed accordingly.
- (d) In the event of damage to or destruction of property covered by this exception, you shall, if requested by us, replace the property or furnish the labor and materials necessary for repairs thereto, at actual cost to you, exclusive of prospective profit or overhead charges of any nature.
- (e) \$2,500 shall be deducted from the total amount of all sums you became obligated to pay as damages on account of damage to or destruction of all property of each person or organization, including the loss of use of that property, as a result of each "occurrence." Our limit of liability under the endorsement as being applicable to each "occurrence" shall be reduced by the amount of the deductible indicated above; however, our aggregate limit of liability under this provision shall not be reduced by the amount of such deductible. The conditions of the policy, including those with respect to duties in the event of "occurrence," claims or "suit" apply irrespective of the application of the deductible amount. We may pay any part or all of the deductible amount to effect settlement of any claim or "suit" and, upon notification of the action taken, you shall promptly reimburse us for such part of the deductible amount as has been paid by us.

Q. ELECTRONIC DATA LIABILITY COVERAGE

- 1. **Exclusion 2.p. Electronic Data of SECTION I, COVERAGE A**, is deleted and replaced with the following:
 - 2.p. Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data" that does not result from physical injury to tangible property.
- 2. The following definition is added to **SECTION V – DEFINITIONS**:

"Electronic data" means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software (including systems and applications software), hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.
- 3. For the purposes of this coverage, the definition of "property damage" in **SECTION V – DEFINITIONS** is replaced by the following:

"Property damage" means:

 - a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it;
 - b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it; or
 - c. Loss of, loss of use of, damage to, corruption of, inability to access, or inability to properly manipulate "electronic data", resulting from physical injury to tangible property. All such loss of "electronic data" shall be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, "electronic data" is not tangible property.

R. CONSOLIDATED INSURANCE PROGRAM RESIDUAL LIABILITY COVERAGE

With respect to "bodily injury", "property damage", or "personal and advertising injury" arising out of your ongoing operations; or operations included within the "products-completed operations hazard", the policy to which this coverage is attached shall apply as excess insurance over coverage available to "you" under a Consolidated Insurance Program (such as an Owner Controlled Insurance Program or Contractors Controlled Insurance Program).

Coverage afforded by this endorsement does not apply to any Consolidated Insurance Program involving a "residential project" or any deductible or insured retention, specified in the Consolidated Insurance Program.

The following is added to **Section V – Definitions**

"Residential project" means any project where 30% or more of the total square foot area of the structures on the project is used or is intended to be used for human residency. This includes but is not limited to single or multifamily housing, apartments, condominiums, townhouses, co-operatives or planned unit developments and appurtenant structures (including pools, hot tubs, detached garages, guest houses or any similar structures). A "residential project" does not include military owned housing, college/university owned housing or dormitories, long term care facilities, hotels, motels, hospitals or prisons.

All other terms, provisions, exclusions and limitations of this policy apply.

S. AUTOMATIC ADDITIONAL INSURED - MANAGERS OR LESSORS OR PREMISES

SECTION II – WHO IS AN INSURED is amended to include:

Any person or organization with whom you agree in a written contract or written agreement to name as an additional insured but only with respect to liability arising out of the ownership, maintenance or use of that part of the premises, designated in the written contract or written agreement, that is leased to you and subject to the following additional exclusions:

This insurance does not apply to:

1. Any "occurrence" which takes place after you cease to be a tenant in that premises.
2. Structural alterations, new construction or demolition operations performed by or on behalf of the additional insured listed in the written contract or written agreement.

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

T. AUTOMATIC ADDITIONAL INSURED – STATE OR GOVERNMENTAL AGENCY OR POLITICAL SUBDIVISIONS – PERMITS OR AUTHORIZATIONS

SECTION II – WHO IS AN INSURED is amended to include any state or governmental agency or subdivision or political subdivision with whom you are required by written contract, ordinance, law or building code to name as an additional insured subject to the following provisions:

This insurance applies only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization.

This insurance does not apply to:

1. "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality; or
2. "Bodily injury" or "property damage" included within the "products-completed operations hazard".

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

U. CONTRACTORS AUTOMATIC ADDITIONAL INSURED COVERAGE – COMPLETED OPERATIONS

SECTION II – WHO IS AN INSURED is amended to include as an additional insured any person or organization who is required by written contract to be an additional insured on your policy for completed operations, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the project designated in the contract, performed for that additional insured and included in the "products-completed operations hazard".

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

V. ADDITIONAL INSURED – ENGINEERS, ARCHITECTS OR SURVEYORS

SECTION II – WHO IS AN INSURED is amended to include as an additional insured any architect, engineer or surveyor who is required by written contract to be an additional insured on your policy, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations performed by you or on your behalf.

This includes such architect, engineer or surveyor, who may not be engaged by you, but is contractually required to be added as an additional insured to your policy.

With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or the failure to render any professional services, including:

1. The preparing, approving, or failing to prepare or approve maps, drawings, opinions, reports, surveys, change orders, designs or specifications; or
2. Supervisory, inspection or engineering services.

This insurance is excess of all other insurance available to the additional insured, whether primary, excess, contingent or on any other basis, unless the written contract requires this insurance to be primary. In that event, this insurance will be primary relative to insurance policy(s) which designate the additional insured as a Named Insured in the Declarations and we will not require contribution from such insurance if the written contract also requires that this insurance be non-contributory. But with respect to all other insurance under which the additional insured qualifies as an insured or additional insured, this insurance will be excess.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

ANY PERSON OR ORGANIZATION FOR WHOM YOU ARE PERFORMING OPERATIONS IF YOU AND SUCH PERSON OR ORGANIZATION HAVE AGREED TO A WAIVER OF SUBROGATION IN A WRITTEN CONTRACT OR AGREEMENT SIGNED BY YOU AND ALL OTHER PARTIES TO THAT WRITTEN CONTRACT OR AGREEMENT PRIOR TO ANY LOSS FOR WHICH A WAIVER IS REQUIRED.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Endorsement Effective 3/1/18

Policy No. WC3665413

Endorsement No.
Premium

Insured

Insurance Company

Countersigned by _____

CITY OF LINCOLN, NEBRASKA STEVENS CREEK SUB-BASIN E3 SANITARY SEWER

CITY PROJECT No. 701863

DATE: OCTOBER 2017

CONFORMED DOCUMENTS

BID ITEM	ITEM DESCRIPTION	BID QUANTITY	UNIT
01	MOBILIZATION/DEMobilIZATION	1	LS
02	CLEARING AND GRUBBING	1	LS
03	CONSTRUCTION STAKING	1	LS
04	DEWATERING AND SURFACE WATER CONTROL	1	LS
05	CONSTRUCT 36-INCH SANITARY SEWER	6590	LF
06	CONSTRUCT 30-INCH SANITARY SEWER	3180	LF
07	CONSTRUCT 24-INCH SANITARY SEWER	4070	LF
08	OVEREXCAVATION AND ADDITIONAL TRENCH STABILIZATION	1000	CY
09	DISPOSAL OF BURIED DEBRIS OR UNSUITABLE EXCAVATED MATERIALS	1000	CY
10	CONSTRUCT TRENCH CUT-OFF WALL	41	EA
11	CONSTRUCT SANITARY SEWER MANHOLE	30	EA
12	CONSTRUCT SHAFT, 120th STREET	2	EA
13	CONSTRUCT SHAFT, "A" STREET	2	EA
14	GUIDED BORING 36-INCH SANITARY SEWER, 120TH STREET	199	LF
15	GUIDED BORING 36-INCH SANITARY SEWER, "A" STREET	277	LF
16	CONSTRUCT 36-INCH SEWER CONCRETE ENCASMENT WITH SHEET PILE	100	LF
17	CONSTRUCT 30-INCH SEWER CONCRETE ENCASMENT	200	LF
18	CONSTRUCT 24-INCH SEWER CONCRETE ENCASMENT	300	LF
19	CONSTRUCT PASTURE GATE	4	EA
20	REMOVE AND RESET FENCE	3385	LF
21	TEMPORARY FENCING, CONTROLS, AND ACCESS	1	LS
22	TRAFFIC CONTROL FOR CONT	1	LS
23	SEEDING, TY "FLOODPLAIN"	10.0	AC
24	SEEDING, TY "WETLAND/CHANNEL"	3.3	AC
25	SEEDING, TY "B"	1.2	AC
26	SEEDING, TY "F"	6.6	AC
27	STRAW MULCH	20.4	AC
28	SYNTHETIC FABRIC SEDIMENT FENCE INST	11025	LF
29	SYNTHETIC FABRIC SEDIMENT FENCE MAINT	11025	LF
30	SYNTHETIC FABRIC SEDIMENT FENCE REM	11025	LF
31	CONSTRUCTION ENTRANCE SURFACING	11	EA
32	SINGLE ROW FILTER FABRIC INLET PROTECTION	4	EA
33	DOUBLE ROW FILTER FABRIC INLET PROTECTION	2	EA
34	BIODEGRADABLE LOG(WATTLE) INST	263	LF
35	BIODEGRADABLE LOG (WATTLE) MAINT	263	LF
36	BIODEGRADABLE LOG (WATTLE) REM	263	LF
37	BD EROSION CONTROL BLANKET (TYPE II)	3807	SY
38	EARTHEN BERM INST	3728	LF
39	RIP RAP, TYPE B	1890	TN
40	CRUSHER RUN AGGREGATE (3")	305	TN
41	CONCRETE WASHOUT	5	EA
42	TEMPORARY LIVESTOCK FENCE	400	LF
43	ABANDON MONITORING WELL	2	EA
44	UTILITY RELOCATION, SUPPORT, AND PROTECTION	1	LS



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(402) 496-4088



I, WESTON ENGEL, AM THE COORDINATING PROFESSIONAL ON THE STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT.

ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359



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25	05C-16	EASEMENT SHEET 15

SEWER PLAN AND PROFILES

26	15C-01	PLAN AND PROFILE SHEET LAYOUT
27	15C-02	PLAN AND PROFILE STA 10+00 TO 22+00
28	15C-03	PLAN AND PROFILE STA 22+00 TO 34+00
29	15C-04	PLAN AND PROFILE STA 34+00 TO 46+00
30	15C-05	PLAN AND PROFILE STA 46+00 TO 57+00
31	15C-06	PLAN AND PROFILE STA 57+00 TO 67+00
32	15C-07	PLAN AND PROFILE STA 67+00 TO 77+00
33	15C-08	PLAN AND PROFILE STA 77+00 TO 87+00
34	15C-09	PLAN AND PROFILE STA 87+00 TO 98+00
35	15C-10	PLAN AND PROFILE STA 98+00 TO 108+00
36	15C-11	PLAN AND PROFILE STA 108+00 TO 118+00
37	15C-12	PLAN AND PROFILE STA 118+00 TO 130+00
38	15C-13	PLAN AND PROFILE STA 130+00 TO 142+00
39	15C-14	PLAN AND PROFILE STA 142+00 TO 146+79.82

STREAM AND WETLAND RESTORATION

40	25C01	STREAM CROSSING AND RESTORATION VICINITY MAP
41	25C02	STREAM CROSSING AND RESTORATION SHEET 1
42	25C03	STREAM CROSSING AND RESTORATION SHEET 2
43	25C04	STREAM CROSSING AND RESTORATION SHEET 3
44	25C05	STREAM CROSSING AND RESTORATION DETAILS

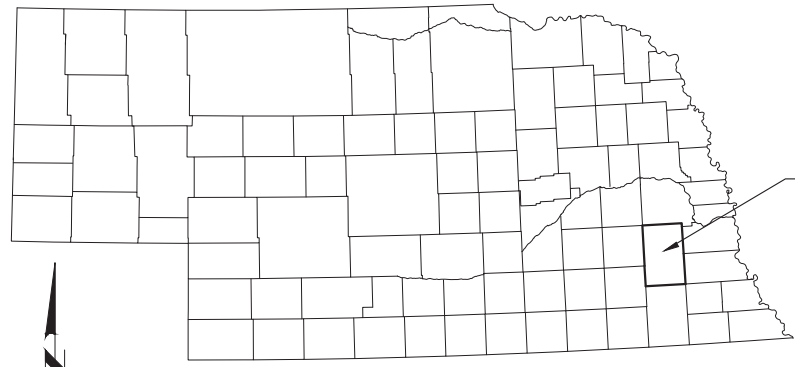
SWPPP

45	35C01	SWPPP SHEET LAYOUT
46	35C02	SWPPP STA 10+00 TO 34+00
47	35C03	SWPPP STA 34+00 TO 57+00
48	35C04	SWPPP STA 57+00 TO 77+00
49	35C05	SWPPP STA 77+00 TO 98+00
50	35C06	SWPPP STA 98+00 TO 118+00
51	35C07	SWPPP STA 118+00 TO 142+00
52	35C08	SWPPP STA 142+00 TO 146+79.82
53	35C09	SWPPP NOTES AND DETAILS SHEET 1
54	35C10	SWPPP NOTES AND DETAILS SHEET 2

SEWER DETAILS

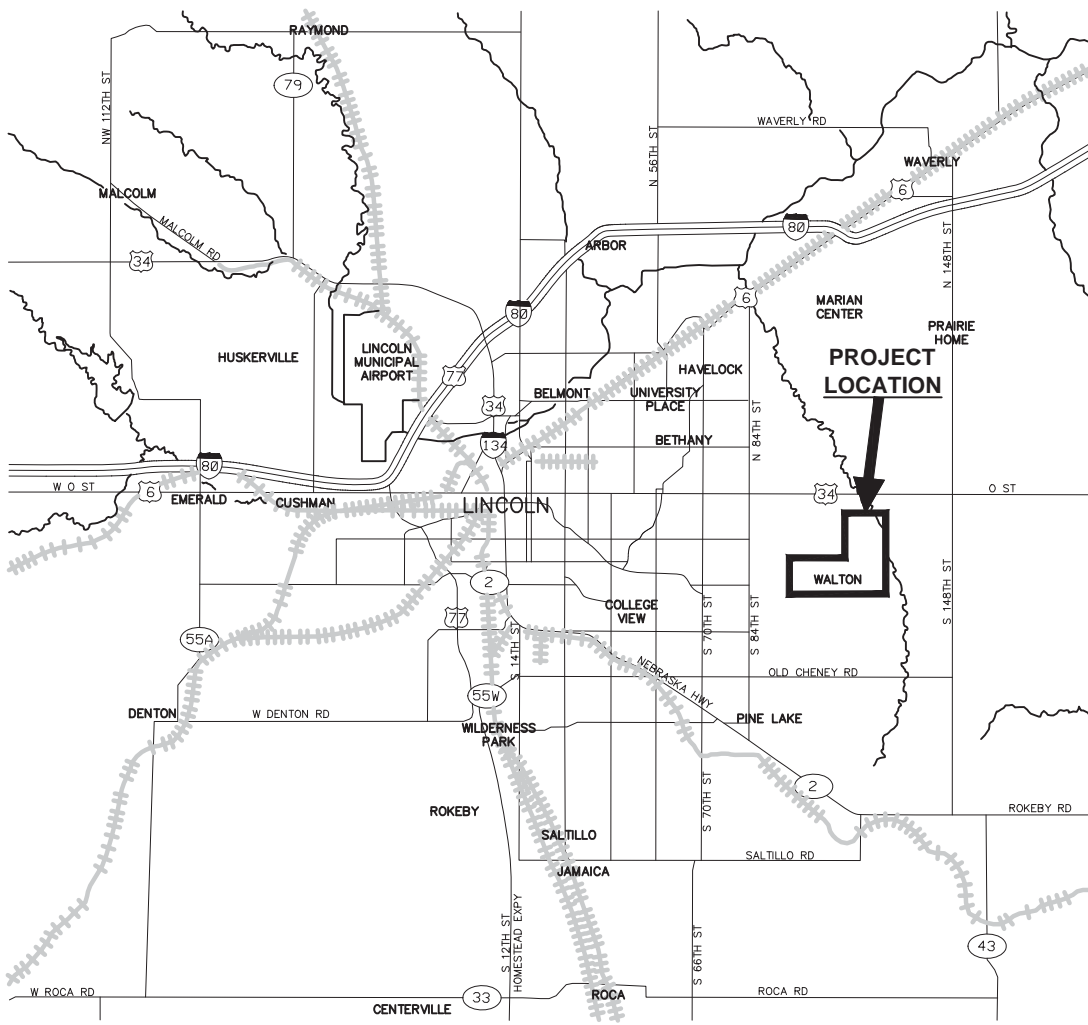
55	105C01	PIPE TRENCH, BEDDING AND BACKFILL DETAILS
56	105C02	PRECAST MANHOLE DETAIL
57	105C03	FRP MANHOLE AND MISC DETAILS
58	105C04	MISC DETAILS

JOB NO.	10442A.10
DRAWING NO.	00G-01
SHEET NO.	1 OF 58

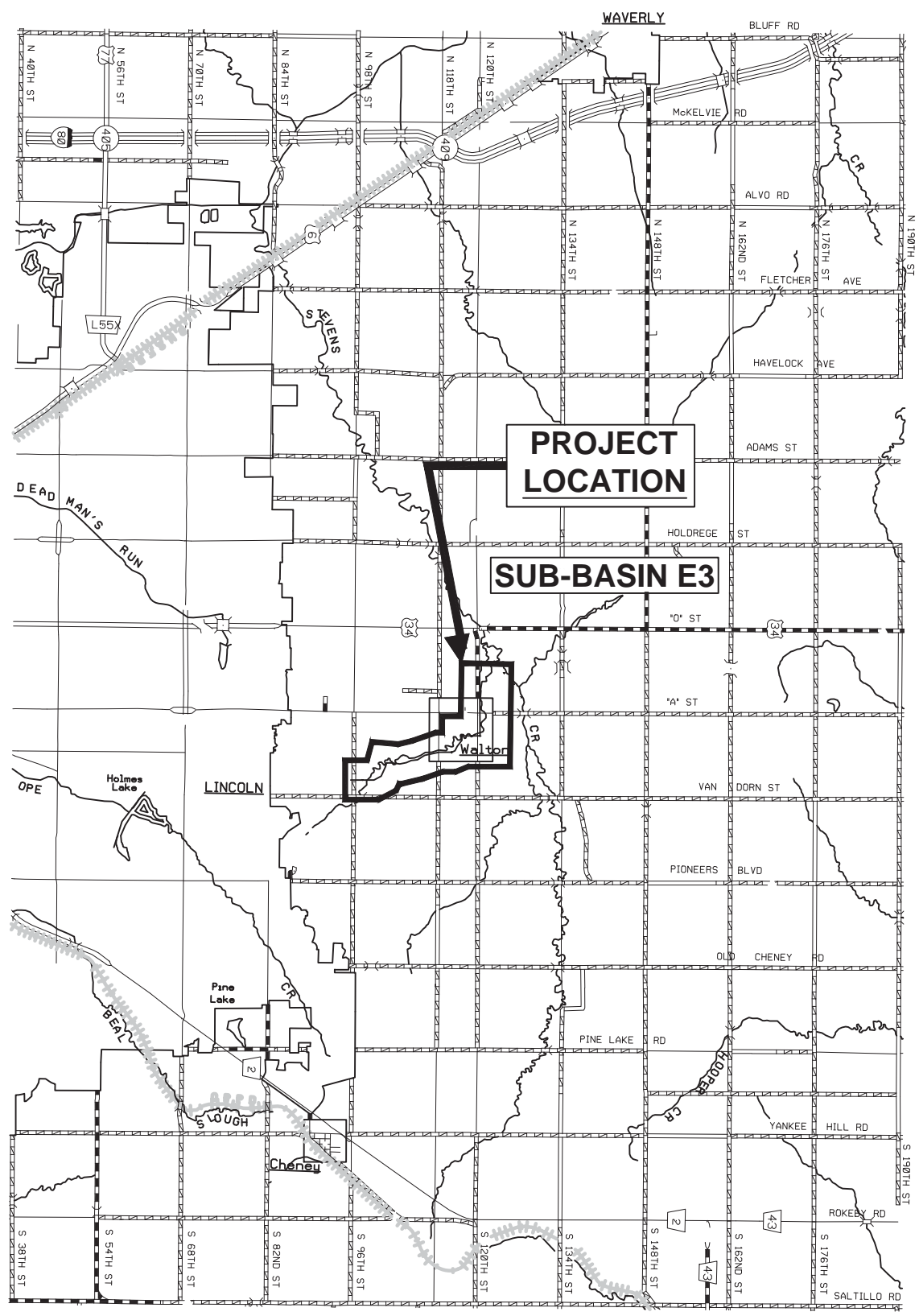


PROJECT LOCATION
LINCOLN, NEBRASKA
LANCASTER COUNTY

STATE OF NEBRASKA KEY MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



PROJECT LOCATION

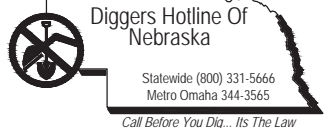
SUB-BASIN E3

PROJECT LOCATION MAP
NOT TO SCALE

PROJECT NO. 10442A.10
FILE NAME: 10422A100G02E3.dwg
LAST SAVED BY: TPetris

REV	DATE	BY	DESCRIPTION

DESIGNED WME	** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **
DRAWN TEP	
CHECKED BDC	
DATE OCTOBER 2017	



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
GENERAL
STATE MAP, VICINITY MAP AND LOCATION MAP

VERIFY SCALES
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JOB NO. 10442A.10
DRAWING NO. 00G-02
SHEET NO. 2 OF 58

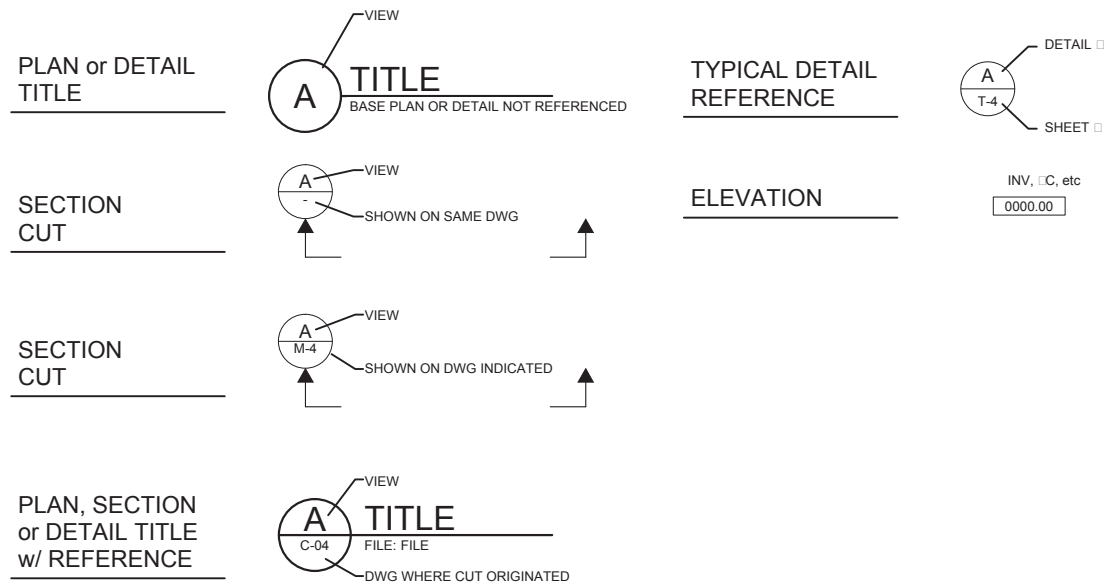
ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	S	SOUTH SLOPE
APPROX	APPROXIMATE	SCH	SCHEDULE
ASSY	ASSEMBLY	SEC, SECT	SECTION
		SF	SQUARE FEET
BF	BLIND FLANGE	SHT	SHEET
BM	BENCHMARK	SIM	SIMILAR
BOTT	BOTTOM	SPEC	SPECIFICATIONS
CCFMP	CENTERFUGALY CAST FIBERGLASS REINFORCED POLYMER MORTAR PIPE	SS	SANITARY SEWER
		SSMH	SANITARY SEWER MANHOLE
CL	CENTERLINE	ST STL	STAINLESS STEEL
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	STA	STATION
		STD(S)	STANDARD(S)
		STL	STEEL
CONC	CONCRETE	T&B	TOP AND BOTTOM
CONST	CONSTRUCTION	TANG	TANGENTIAL
CP	CONTROL POINT	TBM	TEMPORARY BENCHMARK
CTL	CONTROL	TCE	TEMPORARY CONSTRUCTION EASEMENT
CTR	CENTER, CENTERED	TE	TEMPORARY EASEMENT
CY	CUBIC YARD	TEMP	TEMPORARY
		TYP	TYPICAL
DET	DETAIL		
DIA	DIAMETER	VERT	VERTICAL
DIP	DUCTILE IRON PIPE	VPI	VERTICAL POINT OF INFLECTION
DWG	DRAWING		
E	EAST	UNO	UNLESS NOTED OTHERWISE
EA	EACH		
EF	EACH FACE	W	WEST, WATERLINE
EL	ELEVATION	W/	WITH
ELEC	ELECTRICAL	W/O	WITHOUT
EOP	END OF PIPE	WL	WATERLINE
EP	EDGE OF PAVEMENT		
EQUIP	EQUIPMENT		
ESMT	EASEMENT		
EX, EXIST	EXISTING		
EW	EACH WAY		
FLG(D)	FLANGE(D)		
FM	FORCE MAIN		
FRP	FIBERGLASS REINFORCED PIPE		
FT	FOOT		
GRD	GROUND, GRADE		
GV	GATE VALVE		
H1E	HOOKE ONE END		
HDPE	HIGH DENSITY POLYETHYLENE		
HH	HANDHOLE		
HORIZ	HORIZONTAL		
HP	HIGH PRESSURE		
ID	INSIDE DIAMETER		
IN	INCH(ES)		
INV	INVERT		
L	LENGTH		
LF	LINEAR FEET		
LG	LONG		
LT	LEFT		
MATL	MATERIAL		
MAX	MAXIMUM		
MDOT	MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
MH	MANHOLE		
MIN	MINIMUM		
MJ	MECHANICAL JOINT		
MON	MONUMENT		
N	NORTH		
NA	NOT APPLICABLE		
NO. #	NUMBER		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OF	OUTFALL		
PAE	PUBLIC ACCESS EASEMENT		
PE	PERMANENT EASEMENT		
PSI	POUNDS PER SQUARE INCH		
PUE	PUBLIC UTILITY EASEMENT		
PVC	POLYVINYL CHLORIDE		
PVMT	PAVEMENT		
PW	POTABLE WATER		
RCP	REINFORCED CONCRETE PIPE		
RED	REDUCER		
REINF	REINFORCE(D)(ING)(MENT)		
RMJ	RESTRAINED MECHANICAL JOINT		
ROW	RIGHT OF WAY		
RT	RIGHT		

CIVIL LEGEND

NEW PIPE	
EXISTING CONTOUR	
SURVEY MONUMENT	
EXISTING WATER MAIN	
EXISTING STORM SEWER	
EXISTING GAS	
EXISTING CABLE TV	
EXISTING OVERHEAD TELEPHONE	
EXISTING UNDERGROUND TELEPHONE	
EXISTING UNDERGROUND ELECTRIC	
EXISTING SPOT ELEVATION	
EXISTING BARB WIRE FENCE	
EXISTING CHAIN LINK FENCE	
EXISTING GUARD RAIL	
SOIL BORING LOCATION	
EXISTING OVERHEAD ELECTRIC LINE AND POWER POLES	
TEMPORARY EASEMENT LINE	
PERMANENT EASEMENT LINE	
PROPERTY LINE	
RIGHT OF WAY	
SECTION LINE	
TREE OR SHRUB LINE	
MANHOLES	

DETAIL REFERENCES



GENERAL NOTES

- GENERAL PIPELINE NOTES**
- DIMENSIONS TO STRUCTURES, REFERENCED PIPING, PAVING, AND OTHER IMPROVEMENTS IS APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS 14 DAYS IN ADVANCE OF THE CONSTRUCTION PROGRESS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.
 - CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 10 FEET HORIZONTAL AND 3 FEET VERTICAL BETWEEN THE SEWER LINES AND EXISTING WATER LINES.
 - REFER TO THE GEOTECHNICAL REPORT LOCATED IN THE APPENDIX OF THE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON THE GEOTECHNICAL CONDITIONS AND BORING INFORMATION.
 - IN ALL LOCATIONS WHERE TRENCH PLATE IS USED FOR VEHICULAR OR PEDESTRIAN TRAFFIC, THE CONTRACTOR SHALL APPLY SKID RESISTANT COATING ON THE TRENCH PLATES AND COLD MIX ASPHALT CONCRETE AT THE EDGES. THE TRENCH PLATES SHALL BE NOTCHED INTO THE ASPHALT, CONCRETE, OR TRAVELED SURFACE TO PREVENT SLIPPAGE AND ROCKING UNDER TRAFFIC.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES ADJACENT TO THE WORK, THROUGHOUT THE CONSTRUCTION PERIOD.
 - ALL OPEN TRENCHES, WORK AREAS AND SHAFTS SHALL HAVE A SHORING SYSTEM IN ACCORDANCE WITH OSHA, STATE AND LOCAL REQUIREMENTS.
 - THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, AND LOCAL LAWS AND ORDINANCES RELATING TO THE SAFETY AND CHARACTER OF WORK, EQUIPMENT AND PERSONNEL. THIS INCLUDES BUT IS NOT LIMITED TO SHEETING, SHORING, BRACING, VENTILATION, CONFORMANCE WITH TRAFFIC CONTROL AND MAINTENANCE OF BARRICADES AND WARNING DEVICES.
 - LAYOUT DRAWINGS ARE REQUIRED FOR PIPING INSTALLED.
 - ALL RIPARIAN AREAS DISTURBED SHALL BE RESTORED PER THE 30C-XX DRAWINGS.
 - ALL ROAD DITCHES, FENCE LINES, PASTURES AND SIMILAR AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS UNLESS NOTED OTHERWISE.
 - ALL CROPPED AREAS DISTURBED SHALL HAVE THE TOPSOIL REPLACED AND THE ENTIRE AREA DISTURBED SHALL BE RIPPED 2 FT AND DISCED PER THE LAND OWNERS REQUIREMENTS.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCES TO STREAMS, VEGETATION, TREES AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - WORK NOTED ON THE PLANS AND/OR IN SPECIFICATIONS BUT NOT INCLUDED AS A BID ITEM WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO ITEMS FOR WHICH THE CONTRACT PROVIDES DIRECT PAYMENT.
 - INSTALL EROSION CONTROL FEATURES PRIOR TO CLEARING VEGETATION, REMOVING PAVEMENT/SURFACING, OR PERFORMING ANY EARTHWORK.
 - MANHOLE RIM ELEVATIONS PROVIDED ARE BASED ON EXISTING GROUND ELEVATIONS DURING DESIGN. CONTRACTOR TO FIELD VERIFY GROUND ELEVATION AND ENSURE THAT FINAL MANHOLE RIM ELEVATION CONFORMS TO MANHOLE DETAIL UNLESS SPECIFICALLY NOTED OTHERWISE.
 - FULL EXTENDS OF FENCING MAY NOT BE SHOWN, WHERE FENCING IS INDICATED, CONTRACTOR SHALL ASSUME FENCING EXTENDS ACROSS ENTIRE CONSTRUCTION/EASEMENT LIMITS.
 - UNLESS NOTED OTHERWISE, STUBOUTS SHALL BE SOLID WALL PVC, SDR 26, AND SHALL CONFORM TO CCFMP TRENCH REQUIREMENTS.
 - PROVIDE CONSTRUCTION AIDS FOR PUBLIC SAFETY WITHIN AND ADJACENT TO PUBLIC ROW IN ACCORDANCE WITH SPECIFICATION 01500.
 - IF RCP MATERIAL SELECTED FOR PIPING, SEE DETAILS FOR RCP FIELD CLOSURE.
- UTILITY NOTES**
- EXISTING UTILITIES IN THE PROJECT AREA MAY BE IN FRAGILE CONDITION. EXERCISE NECESSARY CAUTION AND PROVIDE ADEQUATE SUPPORT AND PROTECTION WHEN WORKING NEAR UTILITIES.
 - LOCATION, ELEVATION, AND SIZE OF EXISTING UTILITIES ARE BASED ON RECORD DRAWINGS, POTHOLES AND SURVEY INFORMATION AND ARE CONSIDERED APPROXIMATE ONLY. WHERE NO ELEVATIONS ARE SHOWN, NO INFORMATION WAS AVAILABLE DURING THE DESIGN PERIOD.
 - SOME UTILITY SERVICES MAY NOT BE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO LOCATE AND PROTECT SERVICE DURING CONSTRUCTION.
 - CONTRACTOR SHALL CALL THE "DIGGERS HOTLINE OF NEBRASKA" AT 800-331-5666 PRIOR TO ANY EXCAVATION ACTIVITIES.
 - THE LOCATION, SIZE, AND MATERIALS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND IS SHOWN FOR BIDDING PURPOSES. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE UTILITY OWNERS SO THAT THOSE UTILITIES MAY MARK THE LOCATION OF THEIR UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES.
 - PROVIDE UTILITY PROTECTION DURING ALL CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL DETERMINE APPROPRIATE PROTECTION TO BE UTILIZED DURING ALL UTILITY CROSSINGS OR PARALLEL WORK. SUBMIT COPIES OF PROPOSED PROTECTION TO THE APPROPRIATE UTILITY AND ENGINEER PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY DAMAGES AND ANY RELATED PROPERTY DAMAGES THAT OCCUR DUE TO INADEQUATE PROTECTION.
 - UTILITY CONTACTS AND ADDITIONAL REQUIREMENTS ARE PROVIDED IN SPECIFICATION 01110.
- EARTHWORK NOTES**
- CLEAR THE CONSTRUCTION AREA OF NATURAL OBSTRUCTIONS EXISTING FOUNDATIONS, BUILDINGS, FENCES, LUMBER, WALLS, STUMPS, BRUSH, WEEDS, RUBBISH, TREES, BOULDERS, AND ANY OTHER ITEMS WHICH INTERFERES WITH CONSTRUCTION OPERATIONS OR ARE DESIGNATED FOR REMOVAL.
 - GRUB OUT AND DISPOSE OF TREE TRUNKS AND ROOT MATERIAL BELOW THE GROUND SURFACE REMAINING AFTER CLEARING.
 - DISPOSE OF THE UNACCEPTABLE BACKFILL MATERIAL FROM THE CLEARING AND GRUBBING OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
 - STRIP AND STOCKPILE THE TOPSOIL. THE DEPTH OF STRIPPING SHALL BE ESTIMATED TO BE 24-INCHES BUT WILL BE DETERMINED IN THE FIELD AS SOILS CONDITIONS DICTATE.
 - REPLACE STOCKPILED SOIL AND RESTORE SITE AS SPECIFIED.
 - ROCK AND AGGREGATE STORAGE AREAS SHALL BE RESTORED BY EXCAVATING ANY SOILS CONTAINING ROCK OR AGGREGATE AND BACKFILLING WITH TOPSOIL. SOIL REMOVED MAY BE USED FOR TRENCH BACKFILL ABOVE THE PIPE ZONE AND 3 FEET BELOW FINISHED GRADE.
 - UNLESS NOTED OTHERWISE WITH IN THE CONTRACT DOCUMENTS, DISTURBED AREAS ARE TO BE RETURNED TO ORIGINAL GRADE.

PROJECT NO. 10442A.10
 LAST SAVED BY: TPetris
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CONFORMED DRAWINGS			DESIGNED WME
			DRAWN TEP
			CHECKED BDC
			DATE OCTOBER 2017
REV	DATE	BY	DESCRIPTION

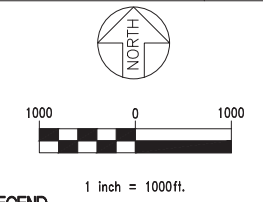
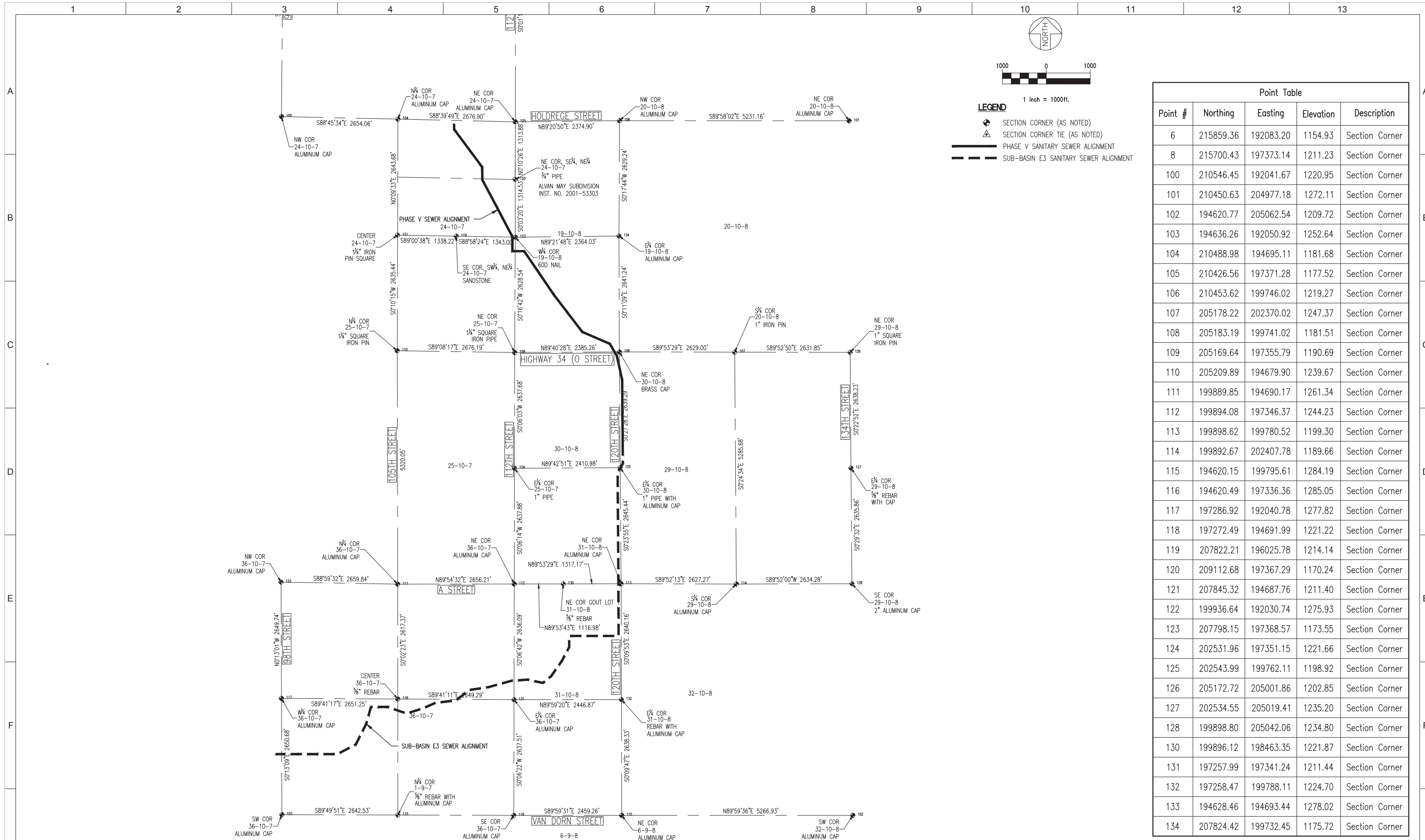
** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 GENERAL
 ABBREVIATIONS, GENERAL NOTES AND CIVIL LEGEND

VERIFY SCALES
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JOB NO. 10442A.10
 DRAWING NO. 00G-03
 SHEET NO. 3 OF 58



- LEGEND**
- ⊕ SECTION CORNER (AS NOTED)
 - △ SECTION CORNER TIE (AS NOTED)
 - PHASE V SANITARY SEWER ALIGNMENT
 - - - SUB-BASIN E3 SANITARY SEWER ALIGNMENT

Point Table				
Point #	Northing	Easting	Elevation	Description
6	215859.36	192083.20	1154.93	Section Corner
8	215700.43	197373.14	1211.23	Section Corner
100	210546.45	192041.67	1220.95	Section Corner
101	210450.63	204977.18	1272.11	Section Corner
102	194620.77	205062.54	1209.72	Section Corner
103	194636.26	192050.92	1252.64	Section Corner
104	210488.98	194695.11	1181.68	Section Corner
105	210426.56	197371.28	1177.52	Section Corner
106	210453.62	199746.02	1219.27	Section Corner
107	205178.22	202370.02	1247.37	Section Corner
108	205183.19	199741.02	1181.51	Section Corner
109	205169.64	197355.79	1190.69	Section Corner
110	205209.89	194679.90	1239.67	Section Corner
111	199889.85	194690.17	1261.34	Section Corner
112	199894.08	197346.37	1244.23	Section Corner
113	199898.62	199780.52	1199.30	Section Corner
114	199892.67	202407.78	1189.66	Section Corner
115	194620.15	199795.61	1284.19	Section Corner
116	194620.49	197336.36	1285.05	Section Corner
117	197286.92	192040.78	1277.82	Section Corner
118	197272.49	194691.99	1221.22	Section Corner
119	207822.21	196025.78	1214.14	Section Corner
120	209112.68	197367.29	1170.24	Section Corner
121	207845.32	194687.76	1211.40	Section Corner
122	199936.64	192030.74	1275.93	Section Corner
123	207798.15	197368.57	1173.55	Section Corner
124	202531.96	197351.15	1221.66	Section Corner
125	202543.99	199762.11	1198.92	Section Corner
126	205172.72	205001.86	1202.85	Section Corner
127	202534.55	205019.41	1235.20	Section Corner
128	199898.80	205042.06	1234.80	Section Corner
130	199896.12	198463.35	1221.87	Section Corner
131	197257.99	197341.24	1211.44	Section Corner
132	197258.47	199788.11	1224.70	Section Corner
133	194628.46	194693.44	1278.02	Section Corner
134	207824.42	199732.45	1175.72	Section Corner

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REV	DATE	BY	DESCRIPTION
1			
2			
3			

CONFORMED DOCUMENTS
 DESIGNED MJS
 DRAWN DJK
 CHECKED MJS
 DATE OCTOBER 2017

ORIGINAL SEALED BY
 ANTHONY L. BRUCKNER
 10/3/17
 NE LS-696

Diggers Hotline Of Nebraska
 Statewide (800) 331-5666
 Metro Omaha 344-3565
 Call Before You Dig... Its The Law

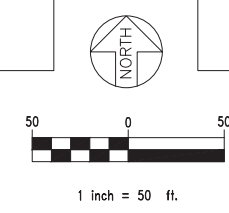
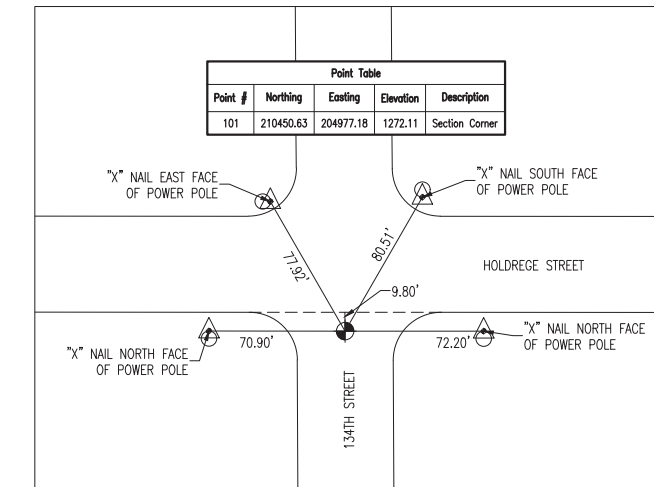
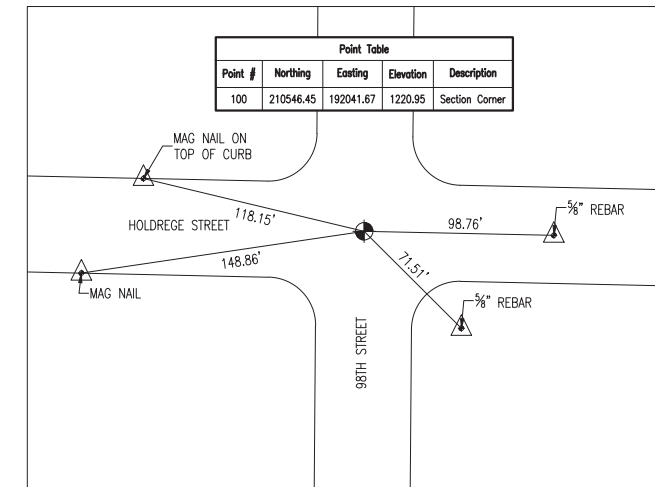
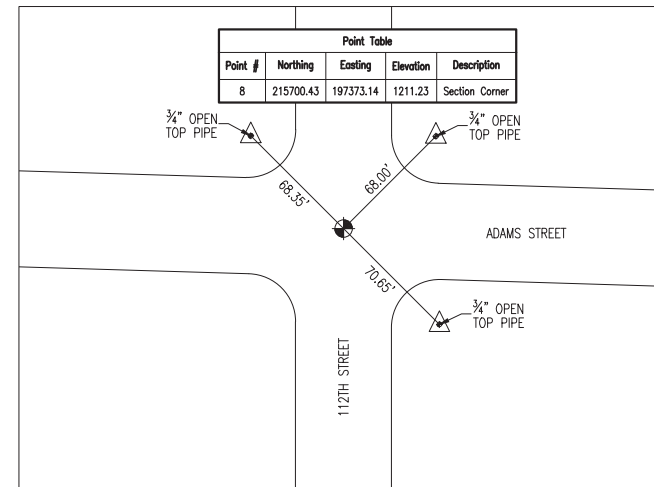
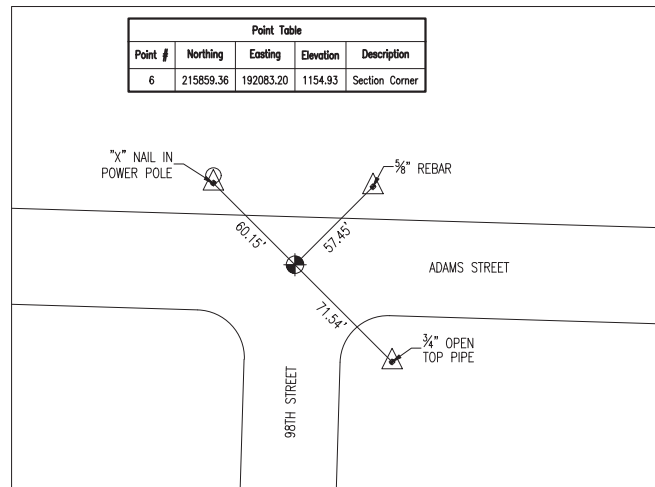
carollo
SCHEMMER
 Design with Purpose. Build with Confidence.

CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CONTROL POINT DATA

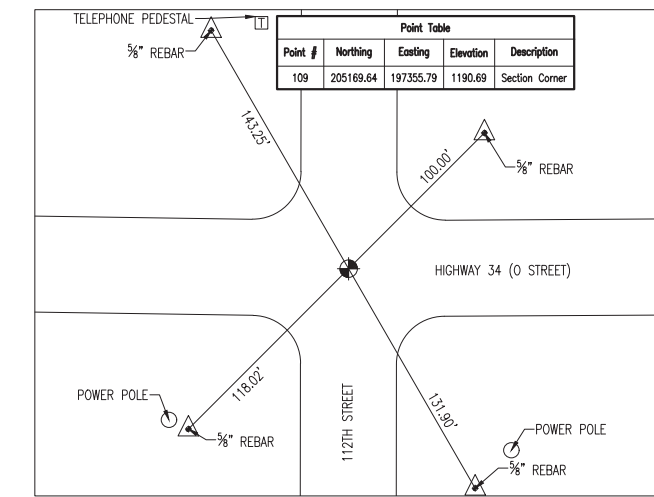
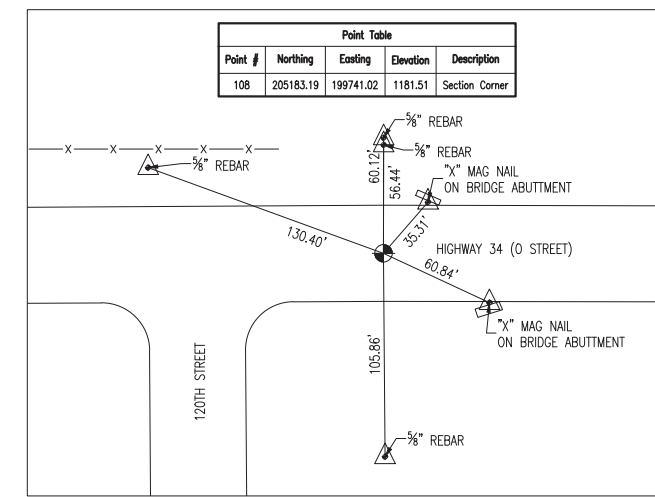
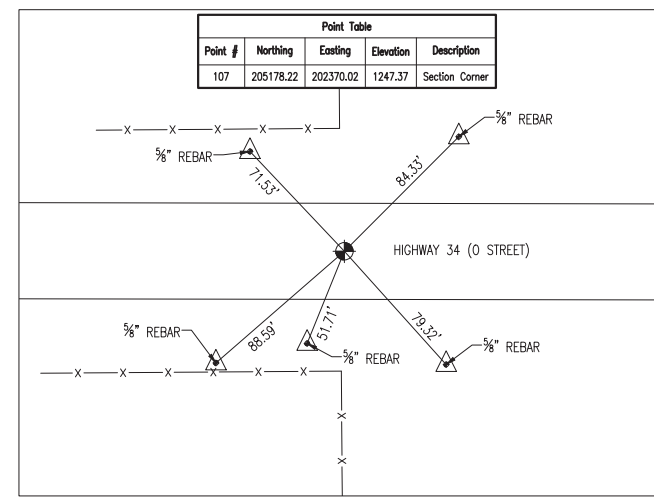
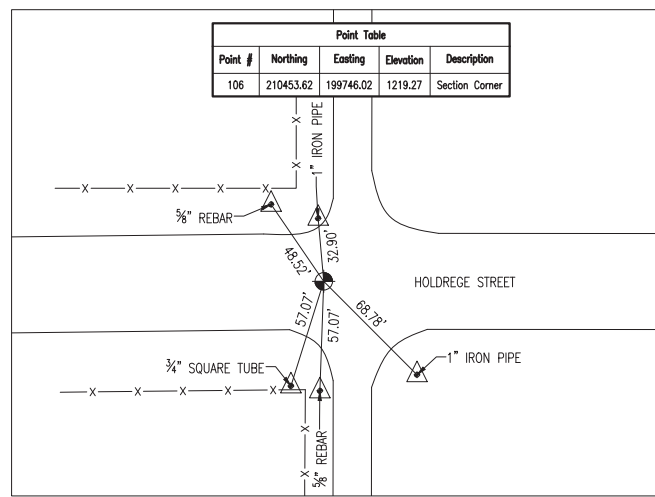
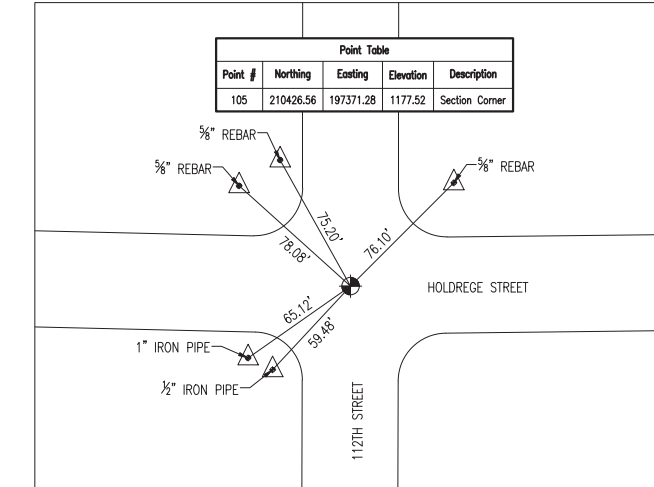
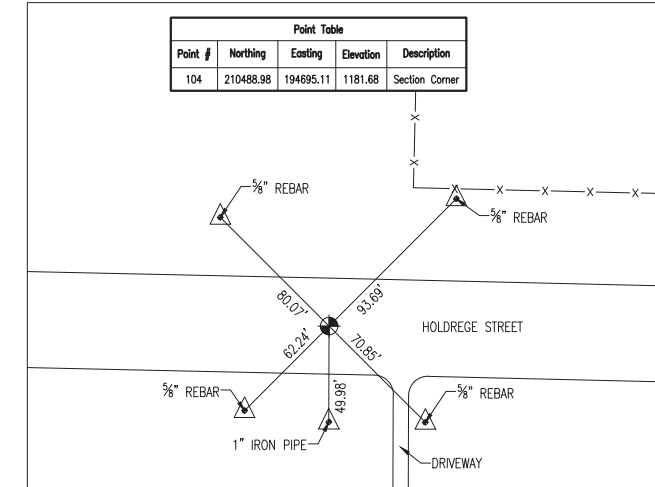
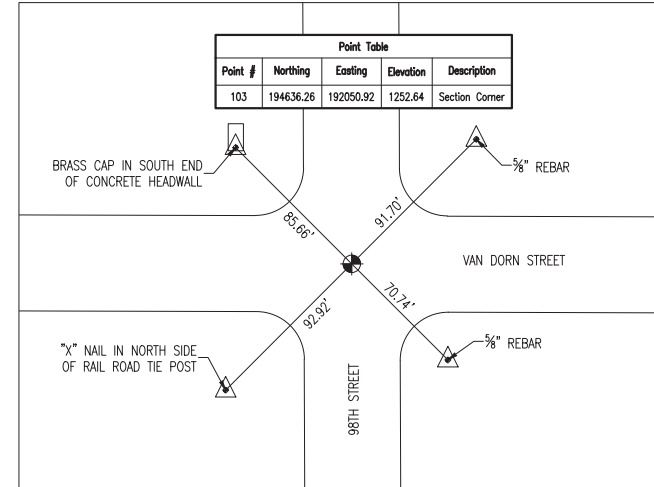
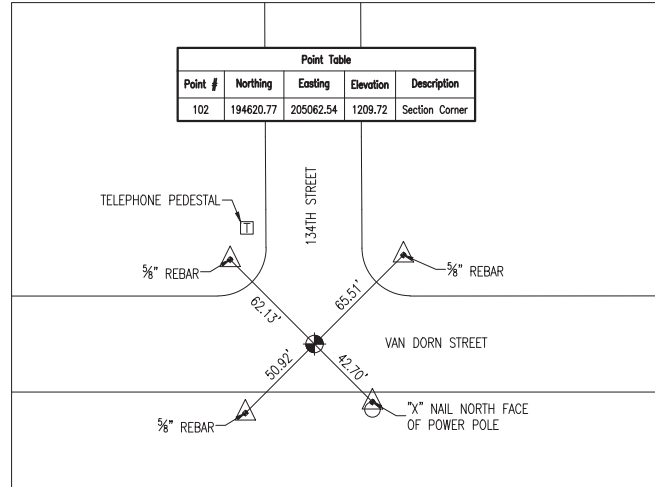
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JOB NO. 10442A.10
 DRAWING NO. 00G-04
 SHEET NO. 4 OF 58



LEGEND
 SECTION CORNER (AS NOTED)
 SECTION CORNER TIE (AS NOTED)



CONFORMED DOCUMENTS				
REV	DATE	BY	DESCRIPTION	

DESIGNED MJS
 DRAWN DJK
 CHECKED MJS
 DATE OCTOBER 2017

** ORIGINAL SEALED BY ANTHONY L. BRUCKNER 10/3/17 NE LS-696 **



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CONTROL POINT DATA

VERIFY SCALES
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JOB NO. 10442A.10
 DRAWING NO. 00G-05
 SHEET NO. 5 OF 58

A

B

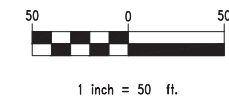
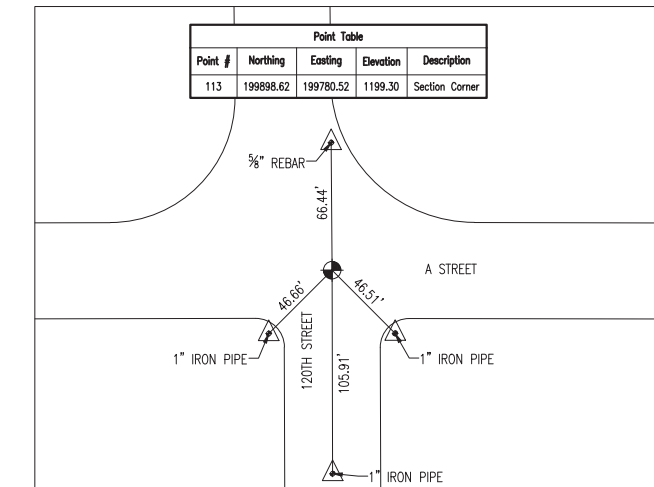
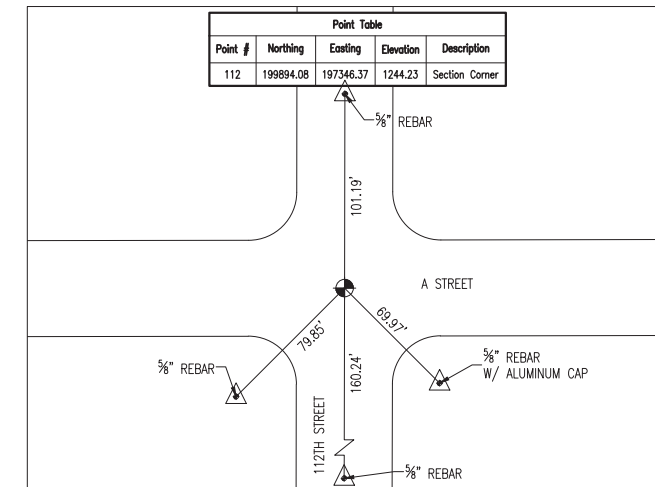
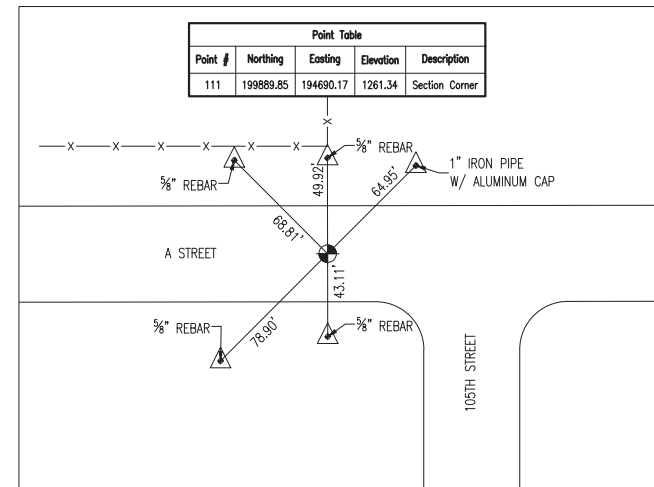
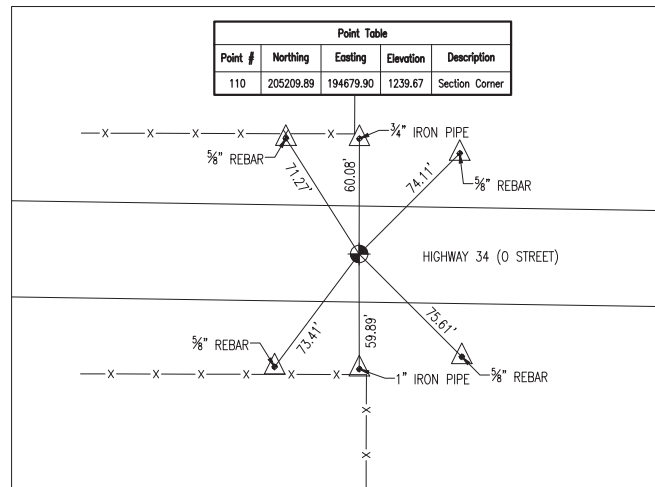
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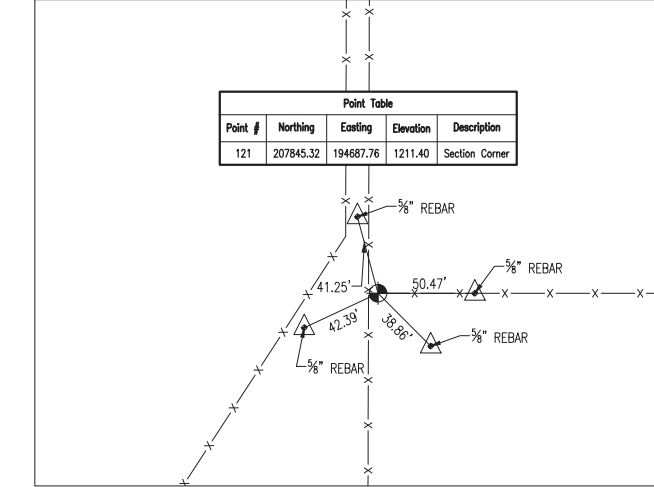
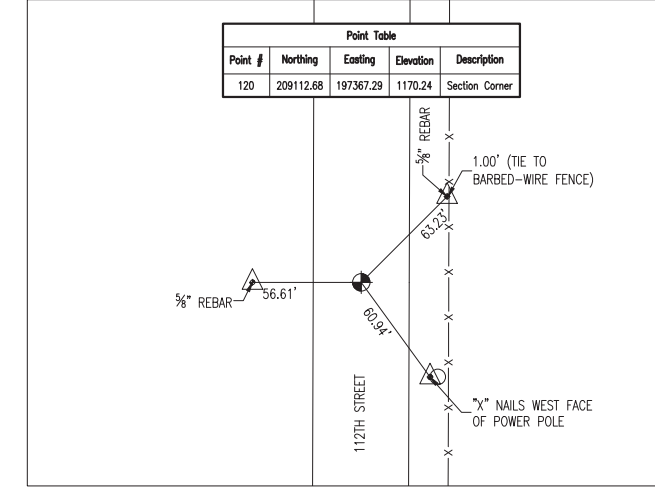
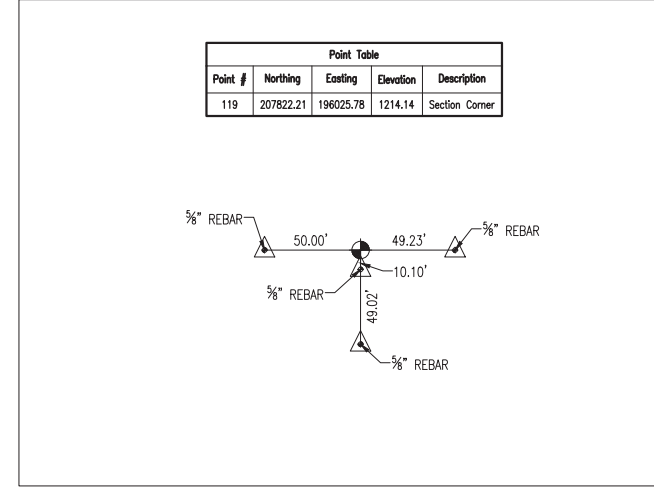
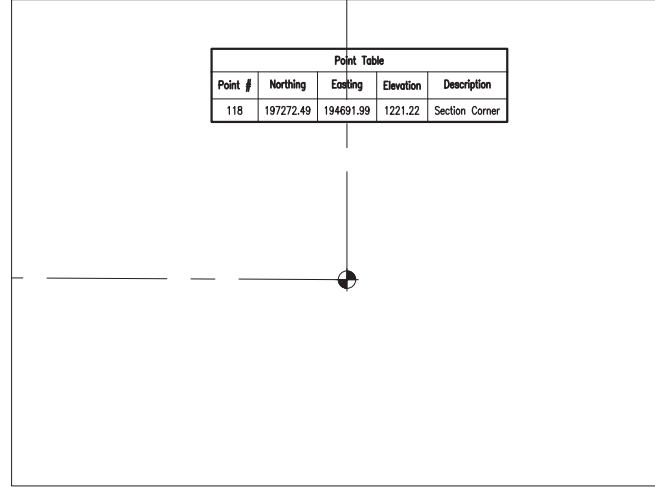
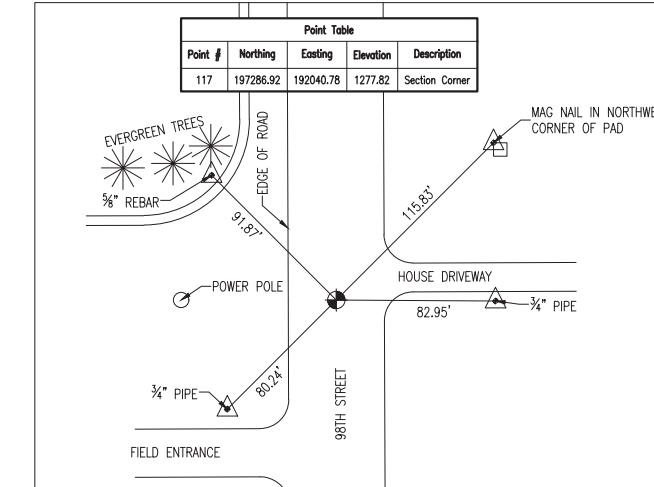
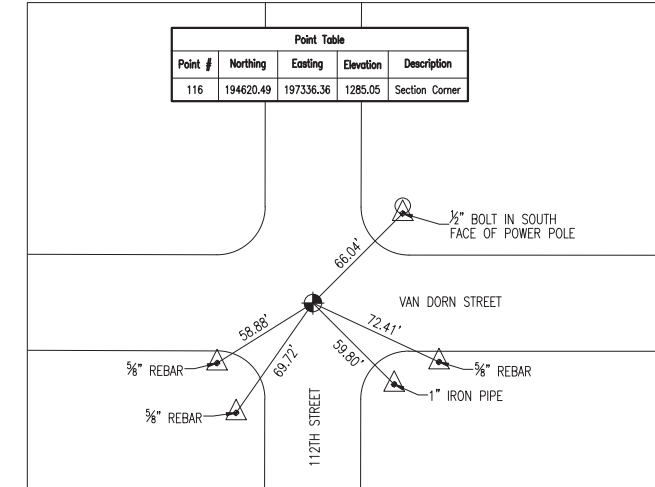
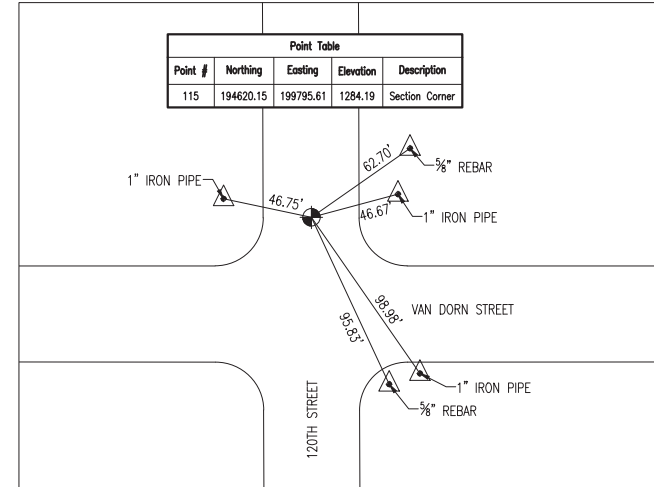
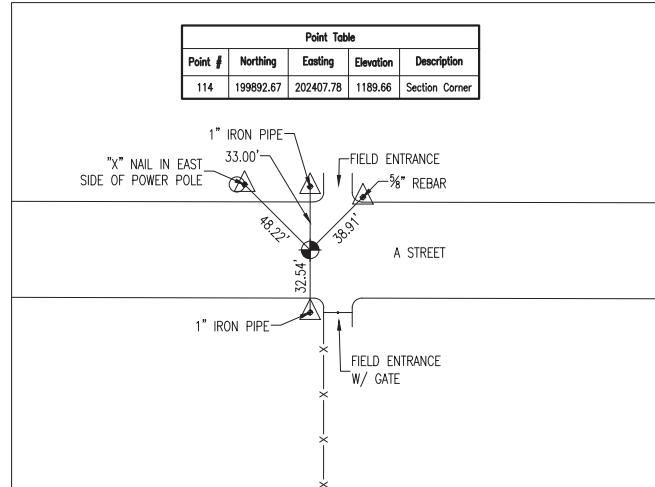
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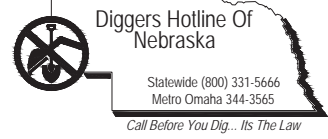
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 ● SECTION CORNER (AS NOTED)
 ▲ SECTION CORNER TIE (AS NOTED)



CONFORMED DOCUMENTS

DESIGNED MJS
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 DATE OCTOBER 2017

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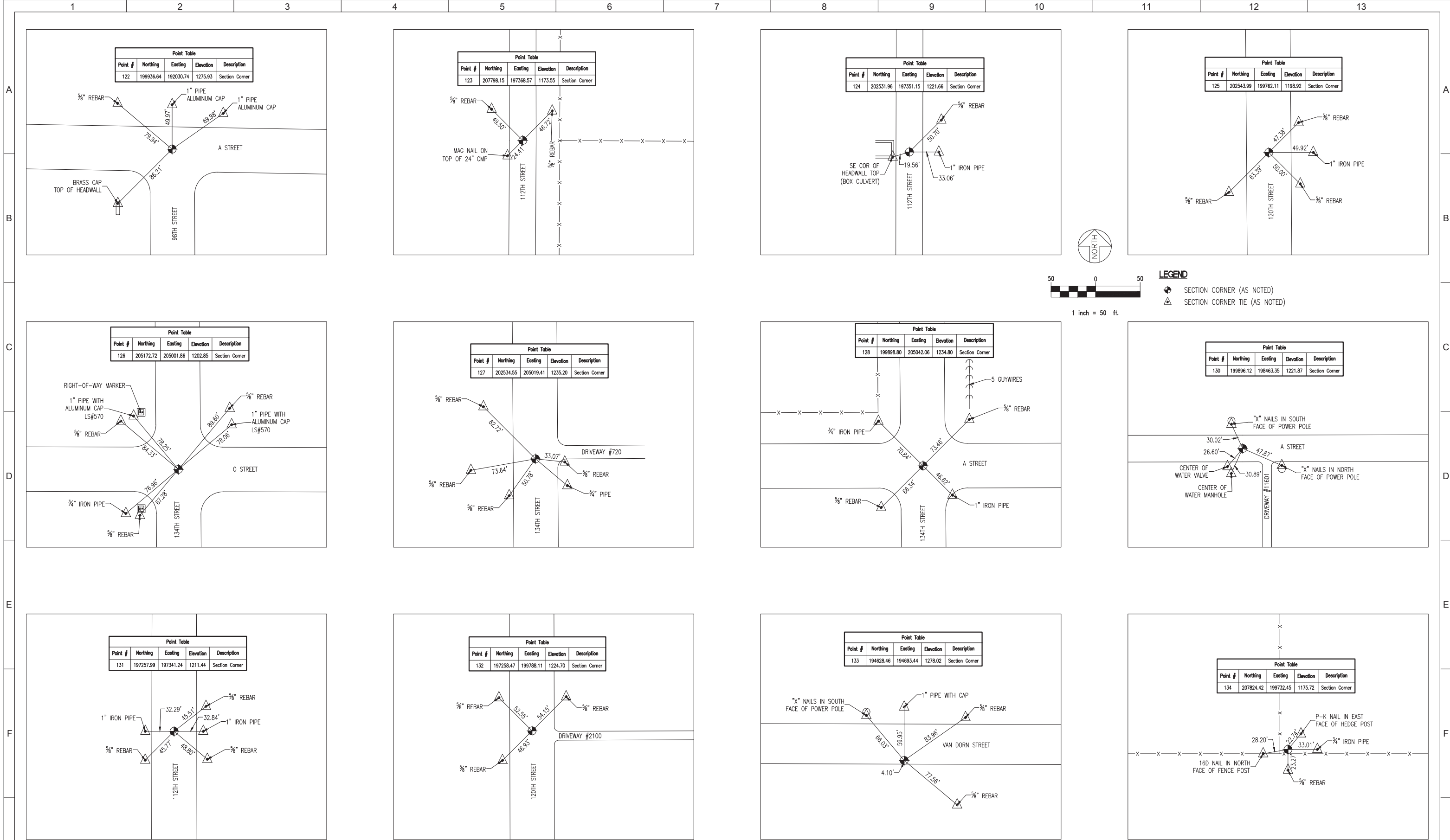


CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CONTROL POINT DATA

VERIFY SCALES
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 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
 DRAWING NO. 00G-06
 SHEET NO. 6 OF 58

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 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CONTROL POINT DATA

VERIFY SCALES
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 0 1"

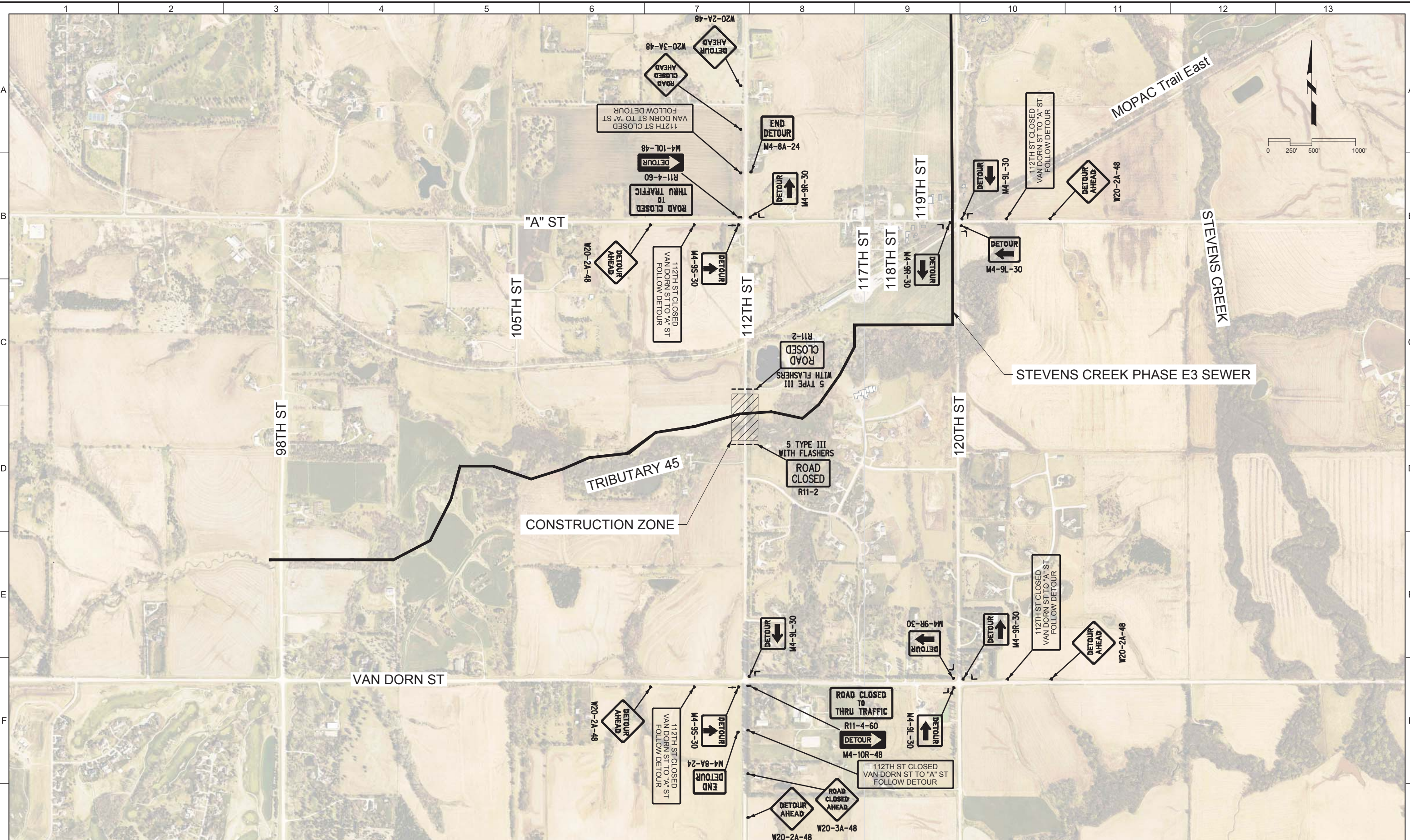
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 DRAWING NO. 00G-07
 SHEET NO. 7 OF 58

Plot Date: 1/16/2018 8:40:58 AM

FILE NAME: 10442A1000G08E3.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



REV	DATE	BY	DESCRIPTION
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CONFORMED DRAWINGS	
DESIGNED	JSP
DRAWN	LEK
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DATE	OCTOBER 2017

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CIVIL
DETOUR PLAN

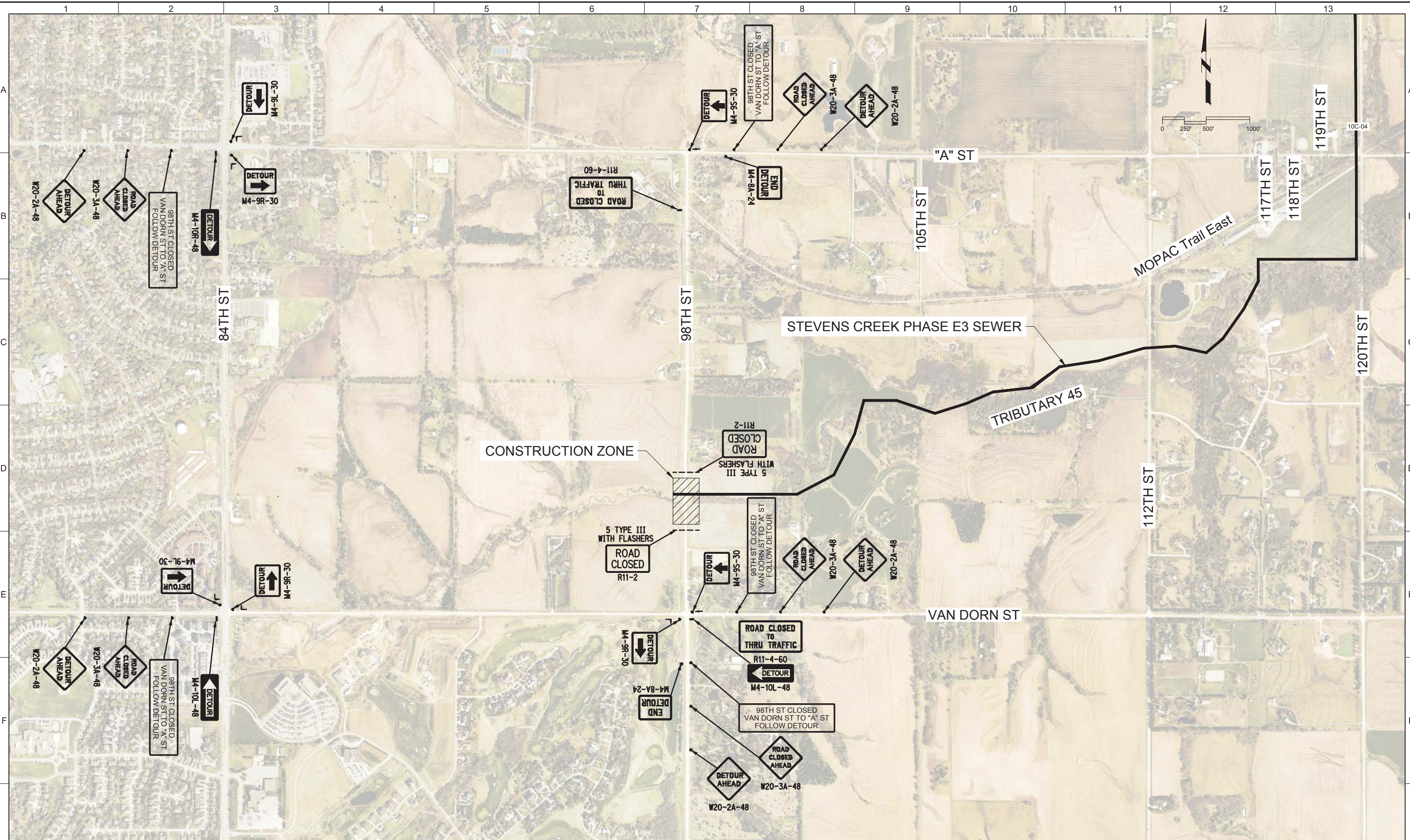
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	00G-08
	SHEET NO.
	8 OF 58

Plot Date: 1/16/2018 8:47:16 AM

FILE NAME: 10442A1000G0RE3.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



REV	DATE	BY	DESCRIPTION
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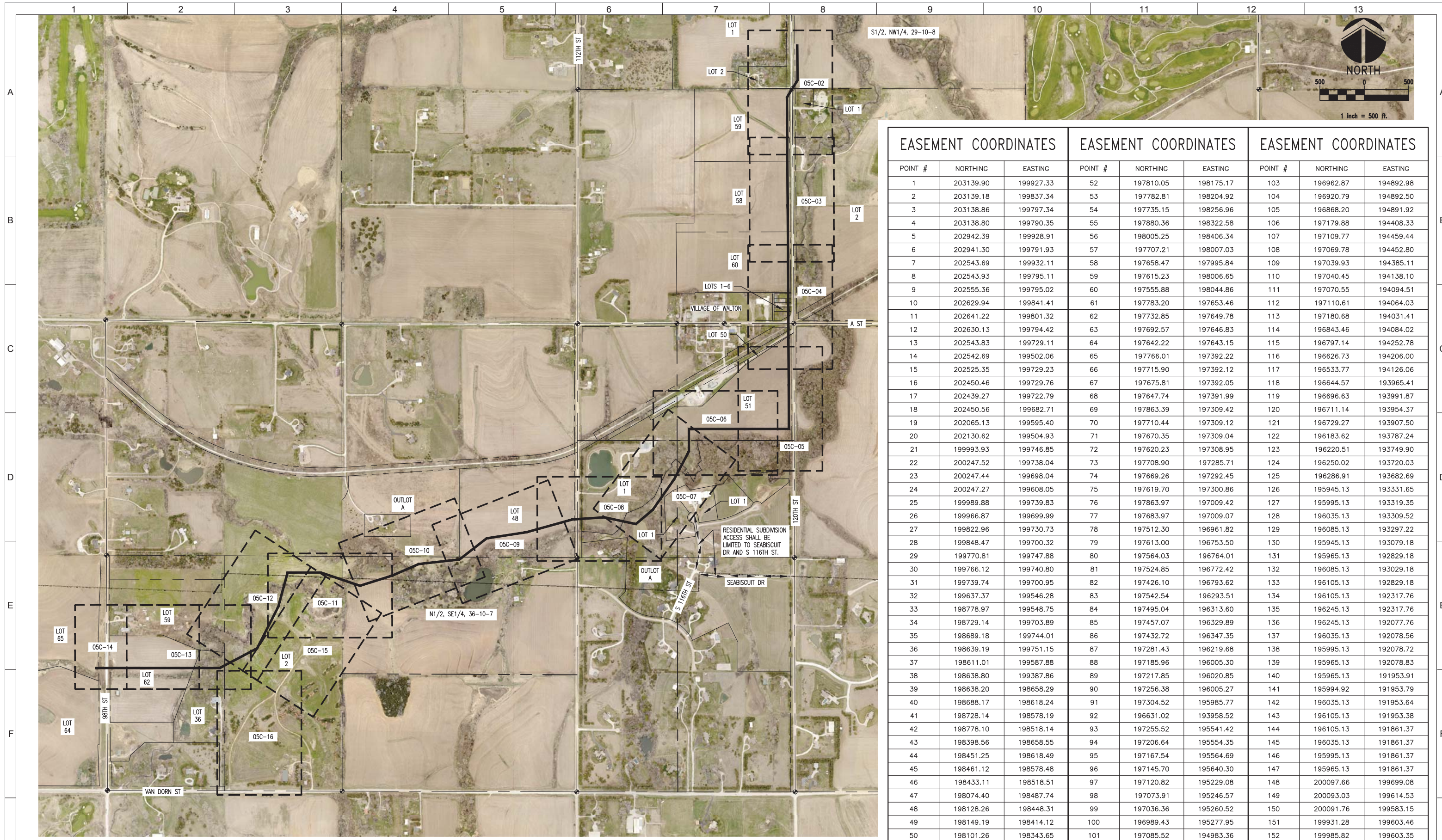
CONFORMED DRAWINGS	
DESIGNED	JSP
DRAWN	LEK
CHECKED	DGL
DATE	OCTOBER 2017

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DETOUR PLAN

VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	10442A.10
0 1"	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	00G-09
	SHEET NO.
	9 OF 58



EASEMENT COORDINATES			EASEMENT COORDINATES			EASEMENT COORDINATES		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
1	203139.90	199927.33	52	197810.05	198175.17	103	196962.87	194892.98
2	203139.18	199837.34	53	197782.81	198204.92	104	196920.79	194892.50
3	203138.86	199797.34	54	197735.15	198256.96	105	196868.20	194891.92
4	203138.80	199790.35	55	197880.36	198322.58	106	197179.88	194408.33
5	202942.39	199928.91	56	198005.25	198406.34	107	197109.77	194459.44
6	202941.30	199791.93	57	197707.21	198007.03	108	197069.78	194452.80
7	202543.69	199932.11	58	197658.47	197995.84	109	197039.93	194385.11
8	202543.93	199795.11	59	197615.23	198006.65	110	197040.45	194138.10
9	202555.36	199795.02	60	197555.88	198044.86	111	197070.55	194094.51
10	202629.94	199841.41	61	197783.20	197653.46	112	197110.61	194064.03
11	202641.22	199801.32	62	197732.85	197649.78	113	197180.68	194031.41
12	202630.13	199794.42	63	197692.57	197646.83	114	196843.46	194084.02
13	202543.83	199729.11	64	197642.22	197643.15	115	196797.14	194252.78
14	202542.69	199502.06	65	197766.01	197392.22	116	196626.73	194206.00
15	202525.35	199729.23	66	197715.90	197392.12	117	196533.77	194126.06
16	202450.46	199729.76	67	197675.81	197392.05	118	196644.57	193965.41
17	202439.27	199722.79	68	197647.74	197391.99	119	196696.63	193991.87
18	202450.56	199682.71	69	197863.39	197309.42	120	196711.14	193954.37
19	202065.13	199595.40	70	197710.44	197309.12	121	196729.27	193907.50
20	202130.62	199504.93	71	197670.35	197309.04	122	196183.62	193787.24
21	199993.93	199746.85	72	197620.23	197308.95	123	196220.51	193749.90
22	200247.52	199738.04	73	197708.90	197285.71	124	196250.02	193720.03
23	200247.44	199698.04	74	197669.26	197292.45	125	196286.91	193682.69
24	200247.27	199608.05	75	197619.70	197300.86	126	195945.13	193331.65
25	199989.88	199739.83	76	197863.97	197009.42	127	195995.13	193319.35
26	199966.87	199699.99	77	197683.97	197009.07	128	196035.13	193309.52
27	199822.96	199730.73	78	197512.30	196961.82	129	196085.13	193297.22
28	199848.47	199700.32	79	197613.00	196753.50	130	195945.13	193079.18
29	199770.81	199747.88	80	197564.03	196764.01	131	195965.13	192829.18
30	199766.12	199740.80	81	197524.85	196772.42	132	196085.13	193029.18
31	199739.74	199700.95	82	197426.10	196793.62	133	196105.13	192829.18
32	199637.37	199546.28	83	197542.54	196293.51	134	196105.13	192317.76
33	198778.97	199548.75	84	197495.04	196313.60	135	196245.13	192317.76
34	198729.14	199703.89	85	197457.07	196329.89	136	196245.13	192077.76
35	198689.18	199744.01	86	197432.72	196347.35	137	196035.13	192078.56
36	198639.19	199751.15	87	197281.43	196219.68	138	195995.13	192078.72
37	198611.01	199587.88	88	197185.96	196005.30	139	195965.13	192078.83
38	198638.80	199387.86	89	197217.85	196020.85	140	195965.13	191953.91
39	198638.20	198658.29	90	197256.38	196005.27	141	195994.92	191953.79
40	198688.17	198618.24	91	197304.52	195985.77	142	196035.13	191953.64
41	198728.14	198578.19	92	196631.02	193958.52	143	196105.13	191953.38
42	198778.10	198518.14	93	197255.52	195541.42	144	196105.13	191861.37
43	198398.56	198658.55	94	197206.64	195554.35	145	196035.13	191861.37
44	198451.25	198618.49	95	197167.54	195564.69	146	195995.13	191861.37
45	198461.12	198578.48	96	197145.70	195640.30	147	195965.13	191861.37
46	198433.11	198518.51	97	197120.82	195229.08	148	200097.66	199699.08
47	198074.40	198487.74	98	197073.91	195246.57	149	200093.03	199614.53
48	198128.26	198448.31	99	197036.36	195260.52	150	200091.76	199583.15
49	198149.19	198414.12	100	196989.43	195277.95	151	199931.28	199603.46
50	198101.26	198343.65	101	197085.52	194983.36	152	199985.82	199603.35
51	197830.47	198152.87	102	197015.43	194893.66	153	199986.49	199699.85

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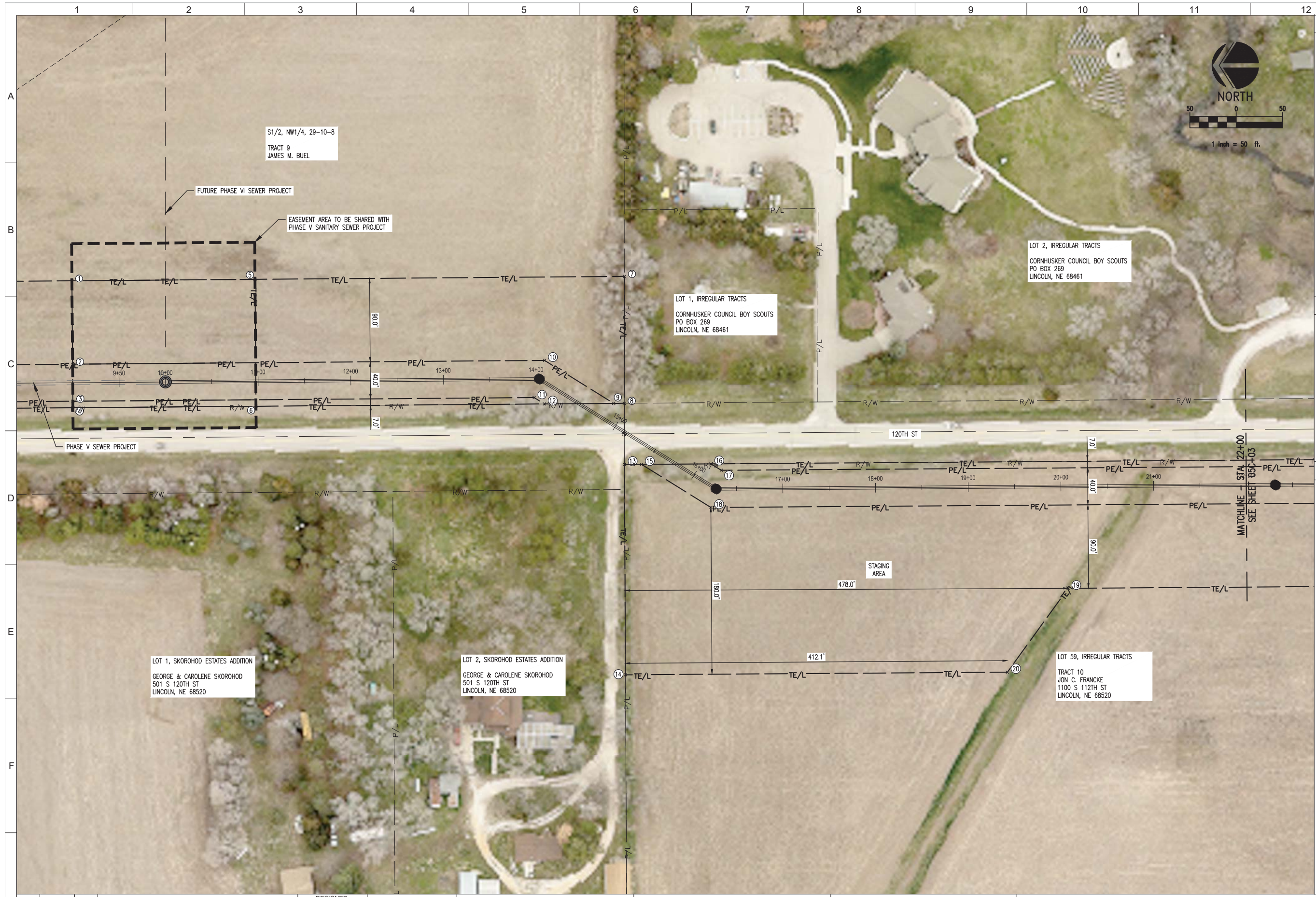
CONFORMED DOCUMENTS
 DESIGNED MJS
 DRAWN DJK
 CHECKED MJS
 DATE OCTOBER 2017



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 EASEMENT SHEET LAYOUT

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

JOB NO. 10442A.10
 DRAWING NO. 05C-01
 SHEET NO. 10 OF 58



GENERAL NOTES

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KEY NOTES

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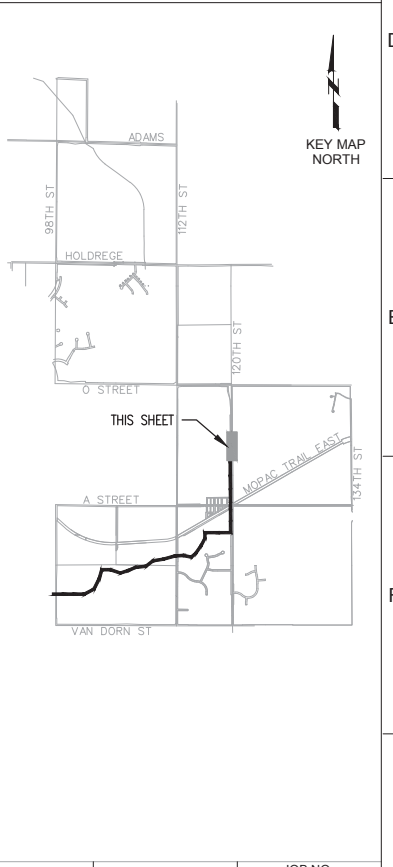
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KEY MAP



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CITY OF LINCOLN, NE

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

EASEMENT SHEET 1

VERIFY SCALES

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0 1"

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JOB NO. 10442A.10

DRAWING NO. 05C-02

SHEET NO. 11 OF 58



GENERAL NOTES

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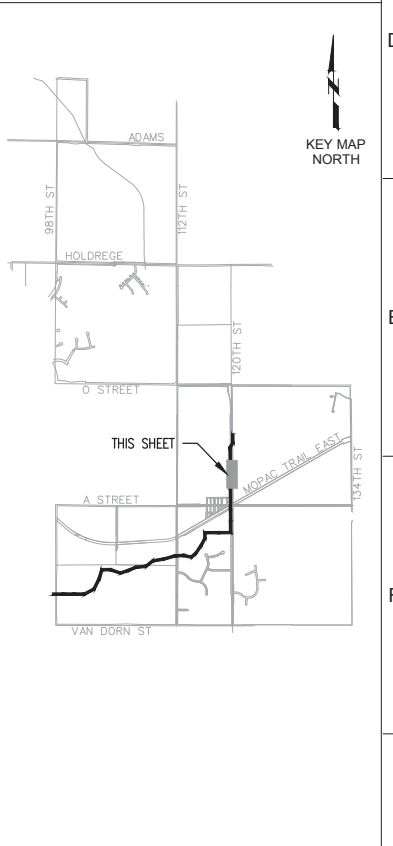
C

KEY NOTES

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KEY MAP



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XXXX-XX

LOT 59, IRREGULAR TRACTS
TRACT 10
JON C. FRANCKE
1100 S 112TH ST
LINCOLN, NE 68520

LOT 58, IRREGULAR TRACTS
TRACT 11
JON C. FRANCKE
1100 S 112TH ST
LINCOLN, NE 68520

LOT 60, IRREGULAR TRACTS
TRACT 12
JON C. FRANCKE
1100 S 112TH ST
LINCOLN, NE 68520

CONFORMED DOCUMENTS

DESIGNED	MJS
DRAWN	DJK
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DATE	OCTOBER 2017



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
EASEMENT SHEET 2

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
DRAWING NO. 05C-03
SHEET NO. 12 OF 58

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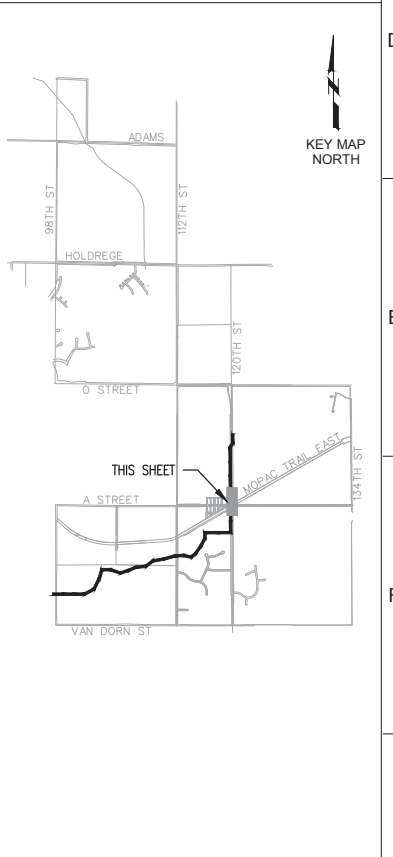
GENERAL NOTES

1. LIMITS OF CONSTRUCTION OUTSIDE OF PERMANENT EASEMENT.

KEY NOTES

1. LIMITS OF CONSTRUCTION OUTSIDE OF PERMANENT EASEMENT.

KEY MAP



LOT 2, IRREGULAR TRACTS
 CORNHUSKER COUNCIL BOY SCOUTS
 PO BOX 269
 LINCOLN, NE 68461

LOT 60, IRREGULAR TRACTS
 TRACT 12
 JON C. FRANCKE
 1100 S 112TH ST
 LINCOLN, NE 68520

LOT 1 TRACT 13
 LOT 2 TRACT 14
 LOT 3 TRACT 15
 LOT 4 TRACT 16
 LOT 5 TRACT 17
 LOT 6 TRACT 18

LOTS 1-6, BLOCK 1, GIENEN'S FIRST ADDITION TO WALTON (TRACTS 13-18)
 ROBERT D. SCHLEGEL, JEANETTE M. SCHLEGEL
 1301 S 120TH ST
 LINCOLN, NE 68520

LOT 50, IRREGULAR TRACTS
 TRACT 21
 MIDWEST FARMERS COOPERATIVE
 PO BOX 210
 GREENWOOD, NE 68366

LOT 51, IRREGULAR TRACTS
 TRACT 22
 MARY L. FRANCKE
 1100 S 112TH ST
 LINCOLN, NE 68520

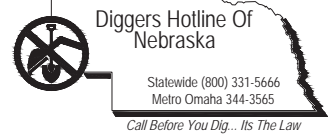
THE ABANDONED RAILROAD ROW
 TRACT 19
 LOWER PLATTE SOUTH NATURAL
 RESOURCES DISTRICT
 PO BOX 83581
 LINCOLN, NE 68502

THE SOUTH 50' OF THE ABANDONED RAILROAD ROW
 TRACT 20
 MIDWEST FARMERS COOPERATIVE
 304 S 3RD ST
 ELMWOOD, NE 68349

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CONFORMED DOCUMENTS			
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 DJK
 CHECKED
 MJS
 DATE
 OCTOBER 2017



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 EASEMENT SHEET 3

VERIFY SCALES
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 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

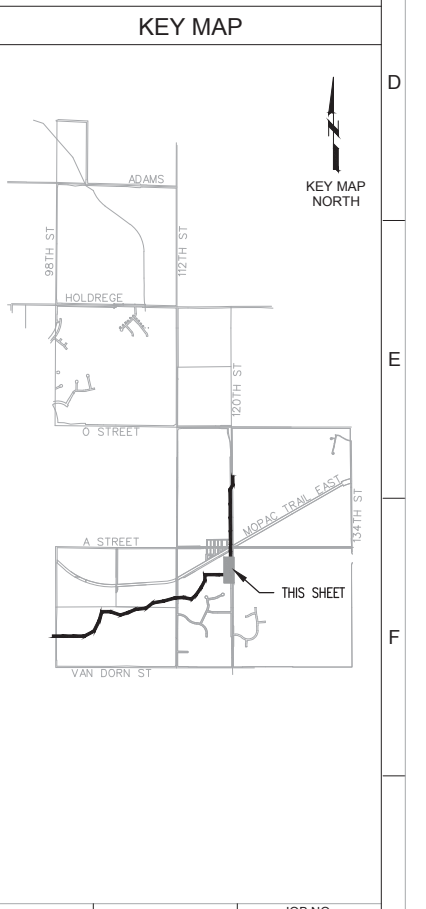
JOB NO. 10442A.10
 DRAWING NO. 05C-04
 SHEET NO. 13 OF 58



GENERAL NOTES

KEY NOTES

KEY MAP



LOT 51, IRREGULAR TRACTS
TRACT 22
MARY L FRANCKE
1100 S 112TH ST
LINCOLN, NE 68520

OUTLOT A, BLOCK 1, WINDHOEK 6TH ADDITION
TRACTS 23/24
WINDHOEK HUNT COUNTRY ASSOCIATION
11201 SECRETARAT DR
WALTON, NE 68461

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CONFORMED DOCUMENTS			
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EASEMENT SHEET 4

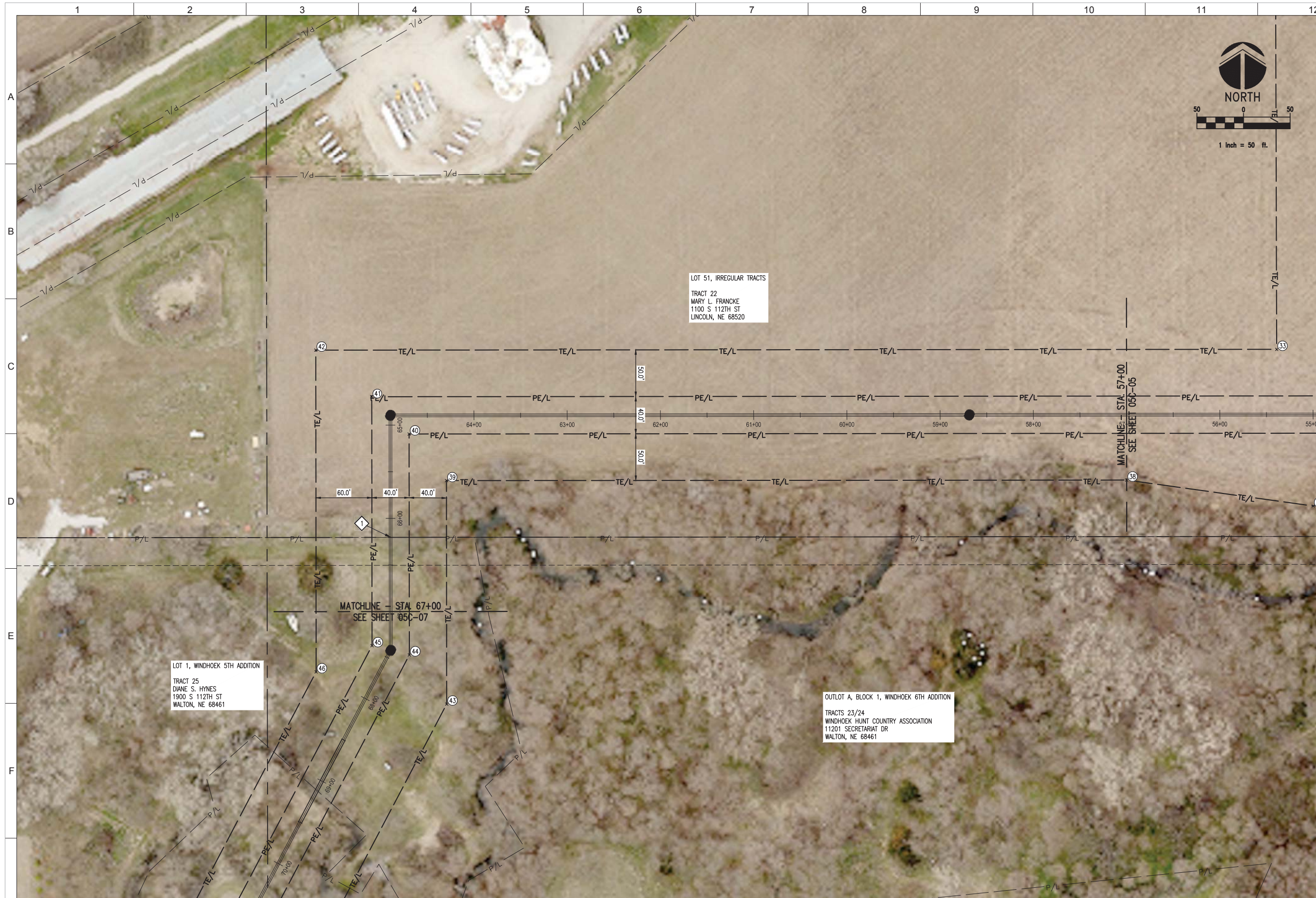
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.
10442A.10

DRAWING NO.
05C-05

SHEET NO.
14 OF 58



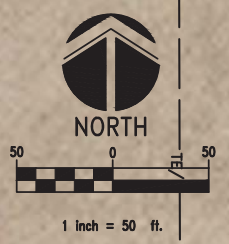
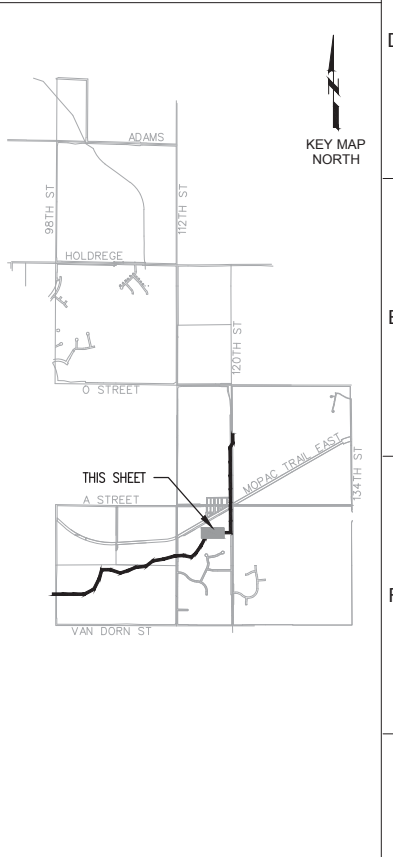
GENERAL NOTES

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KEY NOTES

1. PROVIDE PASTURE GATE IN ACCORDANCE WITH DETAIL ON SHEET 105C03. CENTER GATE ALONG PERMANENT EASEMENT.

KEY MAP



LOT 51, IRREGULAR TRACTS
TRACT 22
MARY L. FRANCKE
1100 S 112TH ST
LINCOLN, NE 68520

LOT 1, WINDHOEK 5TH ADDITION
TRACT 25
DIANE S. HYNES
1900 S 112TH ST
WALTON, NE 68461

OUTLOT A, BLOCK 1, WINDHOEK 6TH ADDITION
TRACTS 23/24
WINDHOEK HUNT COUNTRY ASSOCIATION
11201 SECRETARIAT DR
WALTON, NE 68461

CONFORMED DOCUMENTS

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DRAWN	DJK
CHECKED	MJS
DATE	OCTOBER 2017

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MATTHEW J. SUTTON
10/3/17
NE E-10696
**



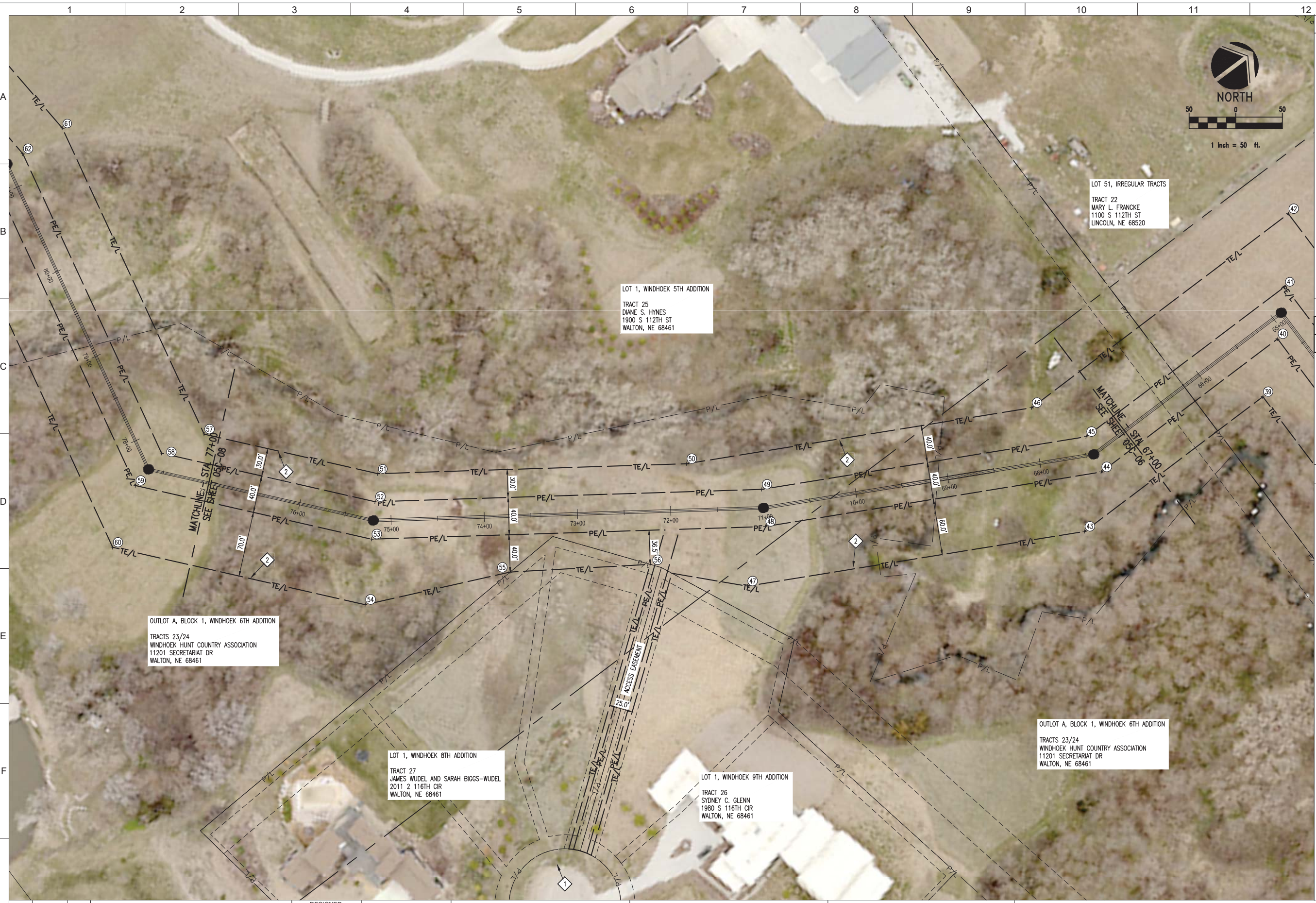
CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
EASEMENT SHEET 5

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
DRAWING NO. 05C-06
SHEET NO. 15 OF 58

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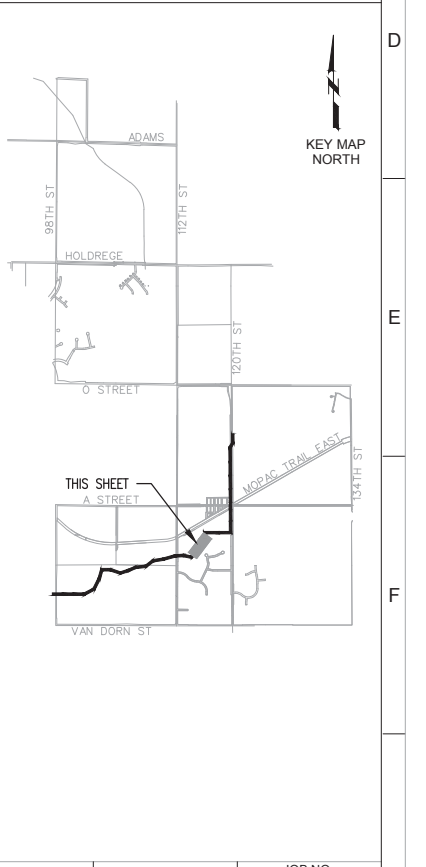
GENERAL NOTES

1. SEE SHEET 05C-01 FOR ACCESS RESTRICTIONS WITHIN RESIDENTIAL SUBDIVISION.
 2. SEE SWPPP SHEETS FOR LIMITS OF CONSTRUCTION IN WETLAND AREAS.

KEY NOTES

1. SEE SHEET 05C-01 FOR ACCESS RESTRICTIONS WITHIN RESIDENTIAL SUBDIVISION.
 2. SEE SWPPP SHEETS FOR LIMITS OF CONSTRUCTION IN WETLAND AREAS.

KEY MAP



REV	DATE	BY	DESCRIPTION
1			
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CONFORMED DOCUMENTS

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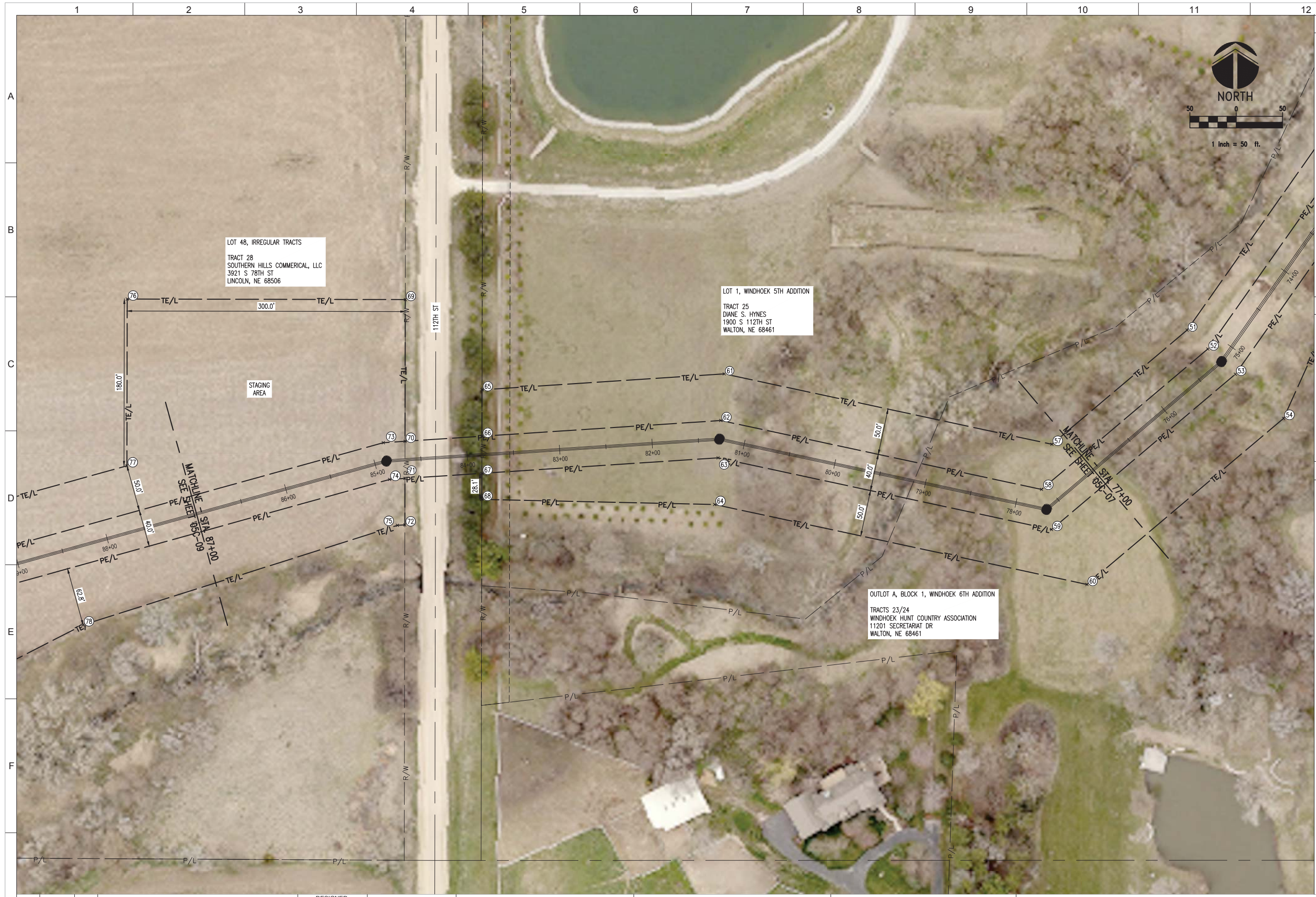
CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 EASEMENT SHEET 6

VERIFY SCALES
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 0 1" (Scale bar)
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
 DRAWING NO. 05C-07
 SHEET NO. 16 OF 58

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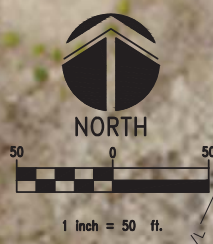
XXX-XXX
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LOT 48, IRREGULAR TRACTS
 TRACT 28
 SOUTHERN HILLS COMMERCIAL, LLC
 3921 S 78TH ST
 LINCOLN, NE 68506

LOT 1, WINDHOEK 5TH ADDITION
 TRACT 25
 DIANE S. HYNES
 1900 S 112TH ST
 WALTON, NE 68461

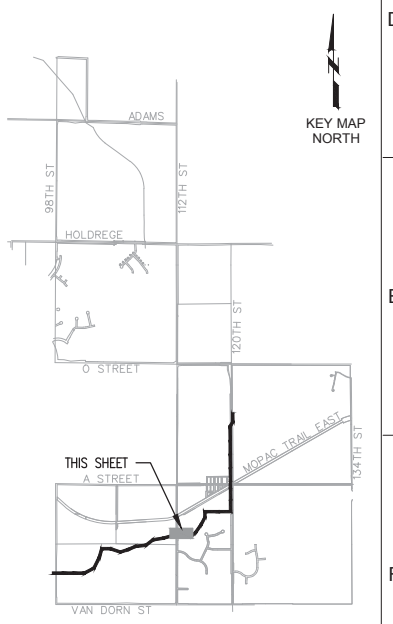
OUTLOT A, BLOCK 1, WINDHOEK 6TH ADDITION
 TRACTS 23/24
 WINDHOEK HUNT COUNTRY ASSOCIATION
 11201 SECRETARIAT DR
 WALTON, NE 68461



GENERAL NOTES

KEY NOTES

KEY MAP



CONFORMED DOCUMENTS

DESIGNED	MJS
DRAWN	DJK
CHECKED	MJS
DATE	OCTOBER 2017

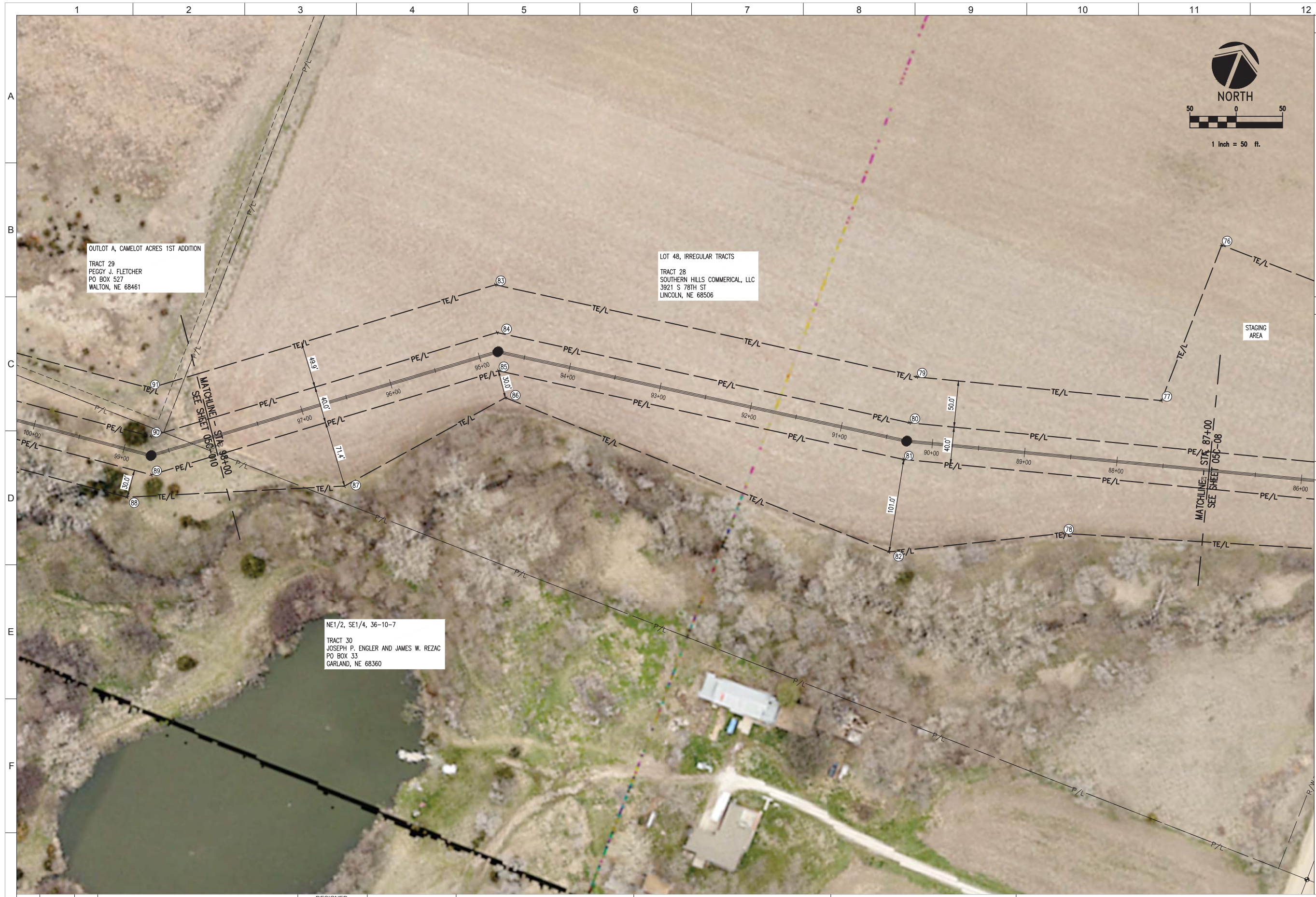


CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 EASEMENT SHEET 7

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
 DRAWING NO. 05C-08
 SHEET NO. 17 OF 58

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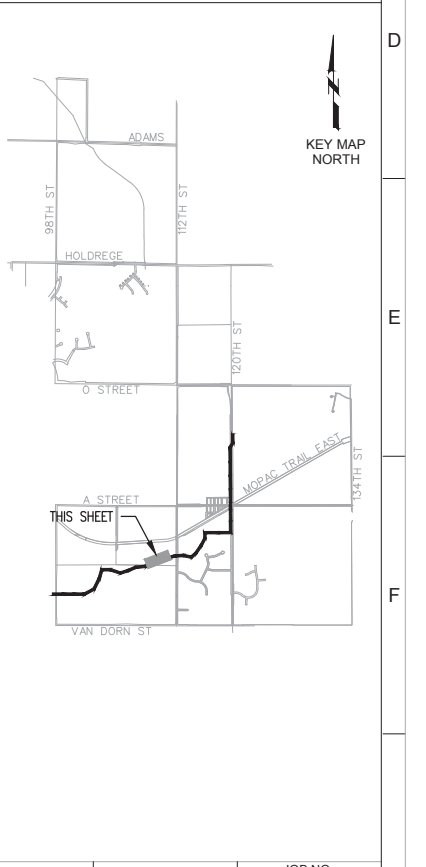
GENERAL NOTES

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KEY NOTES

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KEY MAP



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REV	DATE	BY	DESCRIPTION
1			
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DESIGNED MJS
DRAWN DJK
CHECKED MJS
DATE OCTOBER 2017

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 EASEMENT SHEET 8

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 10442A.10
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 05C-09
	SHEET NO. 18 OF 58

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 1/9/2018 8:45:51 AM MJS:DJK



OUTLOT A, CAMELOT ACRES 1ST ADDITION
 TRACT 29
 PEGGY J. FLETCHER
 PO BOX 527
 WALTON, NE 68461

LOT 48, IRREGULAR TRACTS
 TRACT 28
 SOUTHERN HILLS COMMERCIAL, LLC
 3921 S 78TH ST
 LINCOLN, NE 68506

NE1/2, SE1/4, 36-10-7
 TRACT 30
 JOSEPH P. ENGLER AND JAMES W. REZAC
 PO BOX 33
 GARLAND, NE 68360

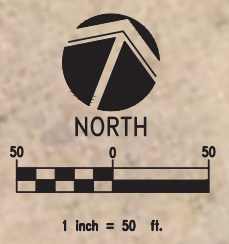
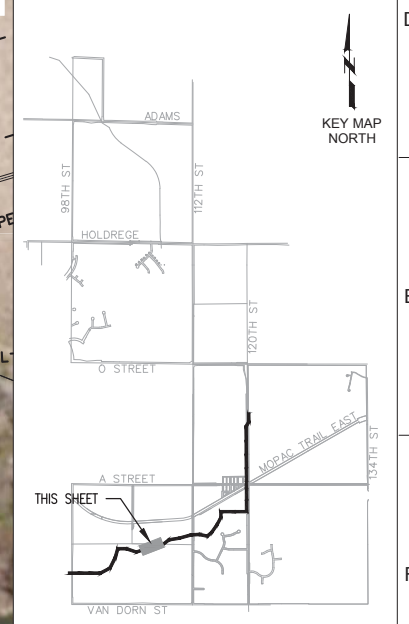
MATCHLINE STA. 108+00
 SEE SHEET 05C-011

MATCHLINE - STA. 98+00
 SEE SHEET 05C-09

GENERAL NOTES

KEY NOTES
 1. PROVIDE PASTURE GATE IN ACCORDANCE WITH DETAIL ON SHEET 105C03. CENTER GATE ALONG PERMANENT EASEMENT.

KEY MAP



CONFORMED DOCUMENTS

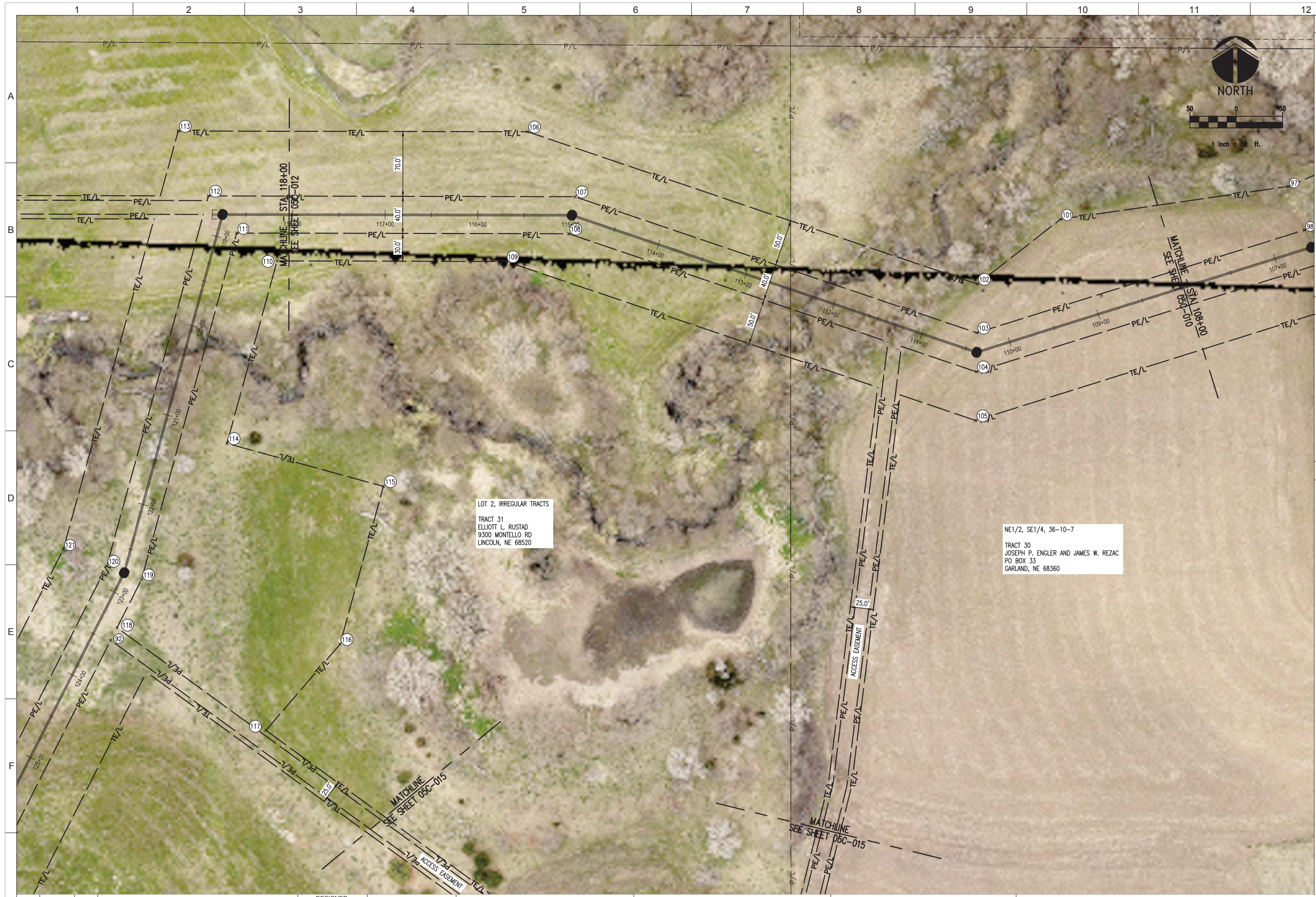
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DRAWN	DJK
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DATE	OCTOBER 2017



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 EASEMENT SHEET 9

VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	10442A.10
0 1"	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	05C-10
	SHEET NO.
	19 OF 58

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 1/9/2018 8:41:58 AM mjs, djk



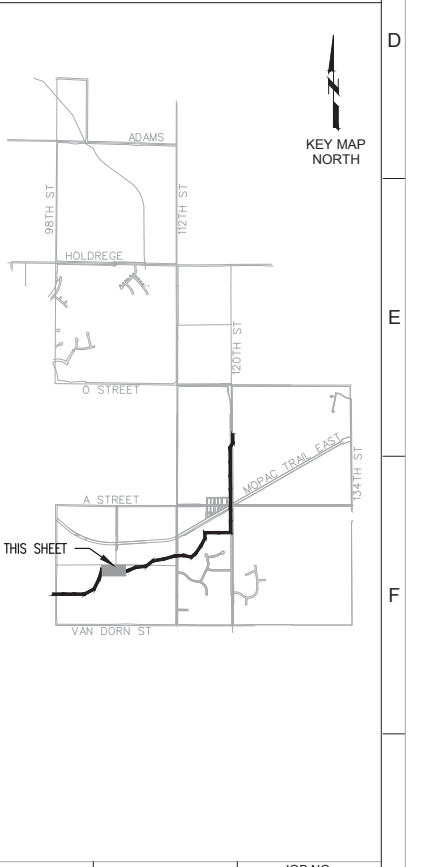
GENERAL NOTES

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KEY NOTES

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KEY MAP



CONFORMED DOCUMENTS

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DESIGNED MJS
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 EASEMENT SHEET 10

VERIFY SCALES
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 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
 DRAWING NO. 05C-11
 SHEET NO. 20 OF 58

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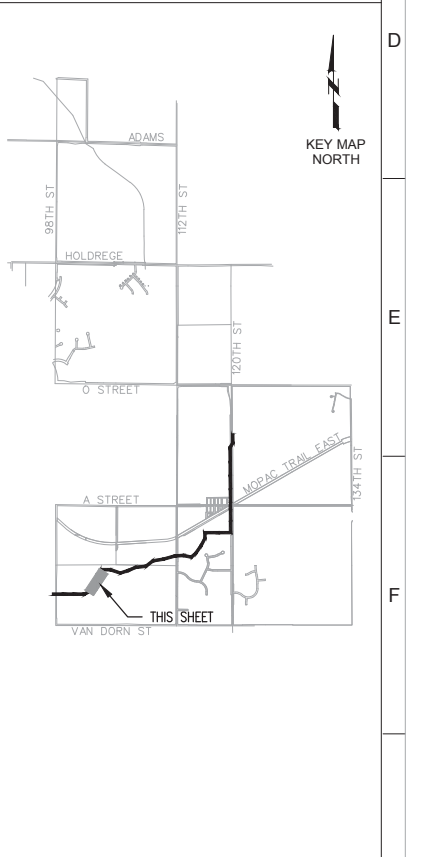
GENERAL NOTES

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KEY NOTES

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KEY MAP



CONFORMED DOCUMENTS

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DATE
OCTOBER 2017



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
EASEMENT SHEET 11

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
DRAWING NO. 05C-12
SHEET NO. 21 OF 58

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PN:050110011_CADD.dwg 10/26/2017 10:08:42 AM
1/29/2018 8:25:12 AM MJS:DJK



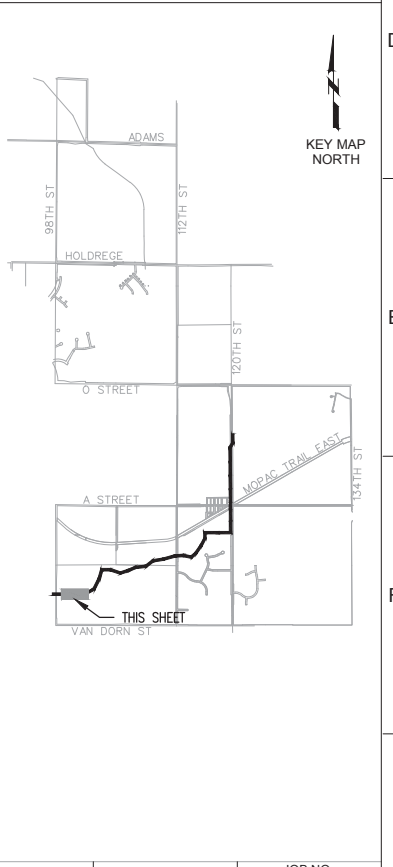
GENERAL NOTES

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KEY NOTES

1. PROVIDE PASTURE GATE IN ACCORDANCE WITH DETAIL ON SHEET 105C03. CENTER GATE ALONG PERMANENT EASEMENT.

KEY MAP



CONFORMED DOCUMENTS

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EASEMENT SHEET 12

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.
10442A.10

DRAWING NO.
05C-13

SHEET NO.
22 OF 58

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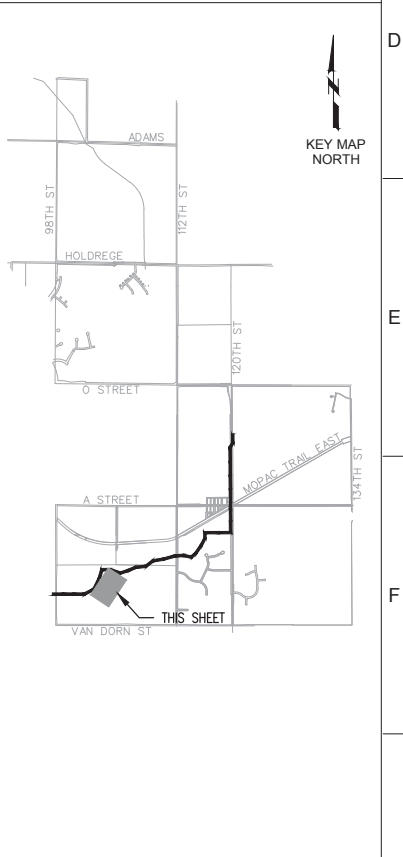
GENERAL NOTES

1. PROVIDE PASTURE GATE IN ACCORDANCE WITH DETAIL ON SHEET 105C03. CENTER GATE ALONG PERMANENT EASEMENT.

KEY NOTES

1. PROVIDE PASTURE GATE IN ACCORDANCE WITH DETAIL ON SHEET 105C03. CENTER GATE ALONG PERMANENT EASEMENT.

KEY MAP



CONFORMED DOCUMENTS			
REV	DATE	BY	DESCRIPTION
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STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

EASEMENT SHEET 14

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
DRAWING NO. 05C-15
SHEET NO. 24 OF 58

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GENERAL NOTES

KEY NOTES

KEY MAP

KEY MAP NORTH

CONFORMED DOCUMENTS

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STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT		BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 05C-16
EASEMENT SHEET 15		0 1"	SHEET NO. 25 OF 58
		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

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Plot Date: 11/12/2018 10:38:49 AM
 FILE NAME: 10442A1015C01.dwg
 PROJECT NO. 10442A.10
 LAST SAVED BY: TPetris



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CONFORMED DRAWINGS
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 WME
 DRAWN
 TEP
 CHECKED
 BDC
 DATE
 OCTOBER 2017

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CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE SHEET LAYOUT

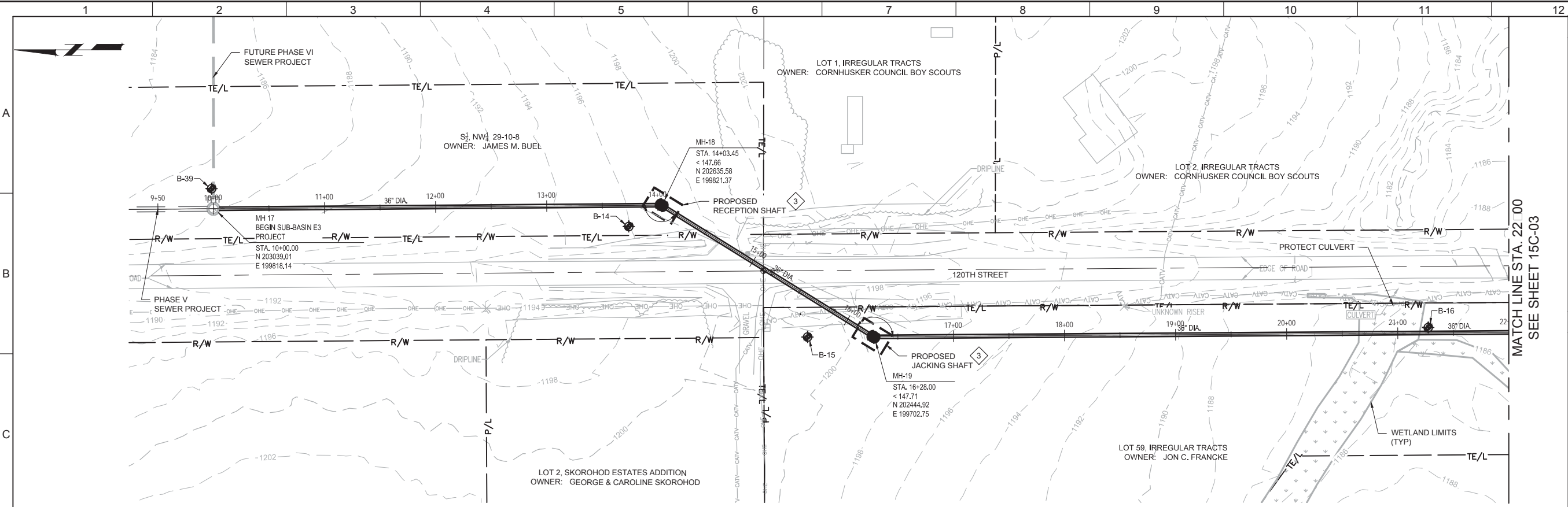
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 JOB NO. 10442A.10
 DRAWING NO. **15C-01**
 SHEET NO. 26 OF 58

Plot Date: 11/12/2018 10:48:00 AM

PROJECT NO. 10442A.10

FILE NAME: 10442A1015C02.dwg

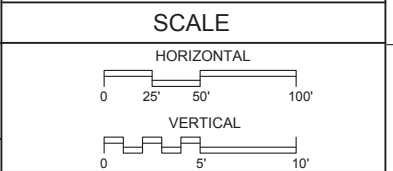
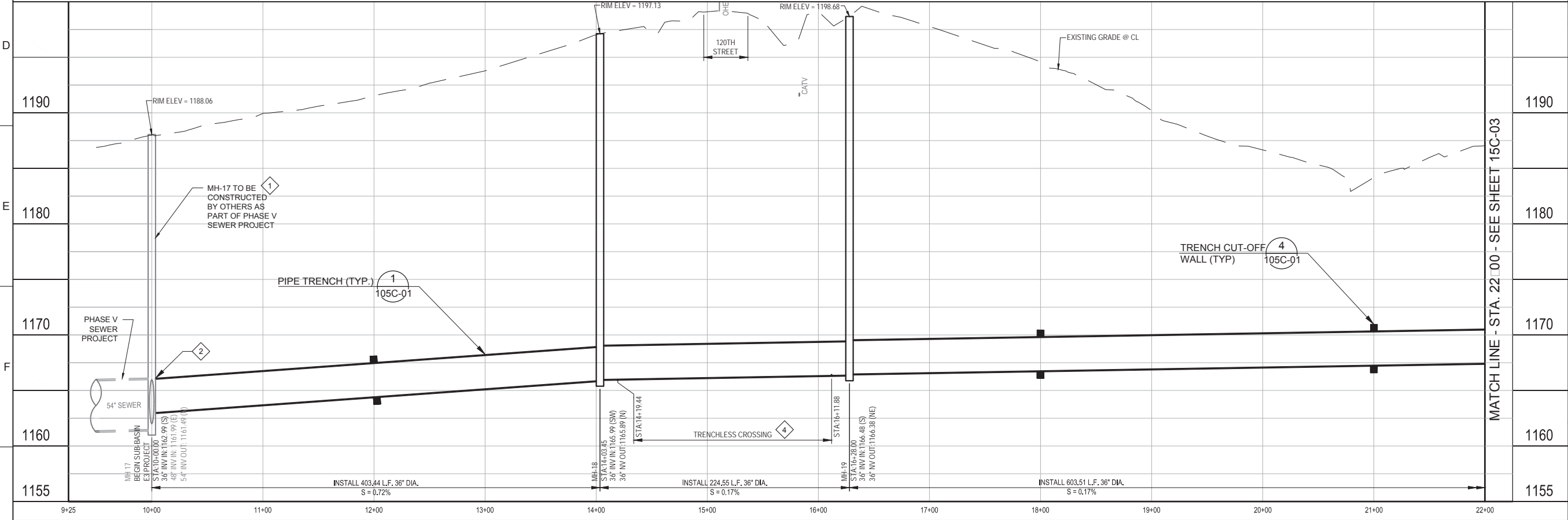
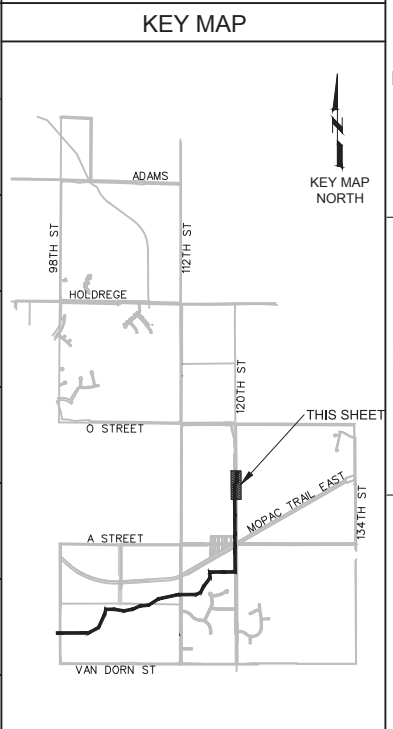
LAST SAVED BY: TPetris



PLAN
 SCALE: 1"=50'
 FILE: 10442A1015C02.DWG

- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, VEGETATION, TREES, AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

- KEY NOTES**
- PHASE V CONTRACTOR TO CONSTRUCT PRECAST CONCRETE MANHOLE. CONCRETE MANHOLE TO BE PROVIDED WITH KNOCKOUT FOR 36" CONNECTION. COORDINATE SIZE OF KNOCKOUT WITH PHASE V CONTRACTOR BASED ON 36" PIPING MATERIAL SELECTED. SEE SPECIFICATION FOR ADDITIONAL COORDINATION REQUIREMENTS.
 - REMOVE KNOCKOUT AT MH-17 AND INSTALL 36" PIPING CONNECTION.
 - SHAFT SIZES SHOWN ON THE PLANS ARE APPROXIMATE. SELECTION OF THE EXACT SIZE AND SHAPE OF THE SHAFT IS THE RESPONSIBILITY OF THE CONTRACTOR BUT LIMITED TO EASEMENTS/LIMITS OF CONSTRUCTION SHOWN.
 - TRENCHLESS CROSSING SHALL BE CONSTRUCTED VIA GUIDED BORING UTILIZING CCMP OR RCP. SEE SPECIFICATIONS FOR REQUIREMENTS.



CONFORMED DOCUMENTS

REV	DATE	BY	DESCRIPTION
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CITY OF LINCOLN, NE

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

CIVIL

PLAN AND PROFILE
 STA. 10+00 TO 22+00

VERIFY SCALES
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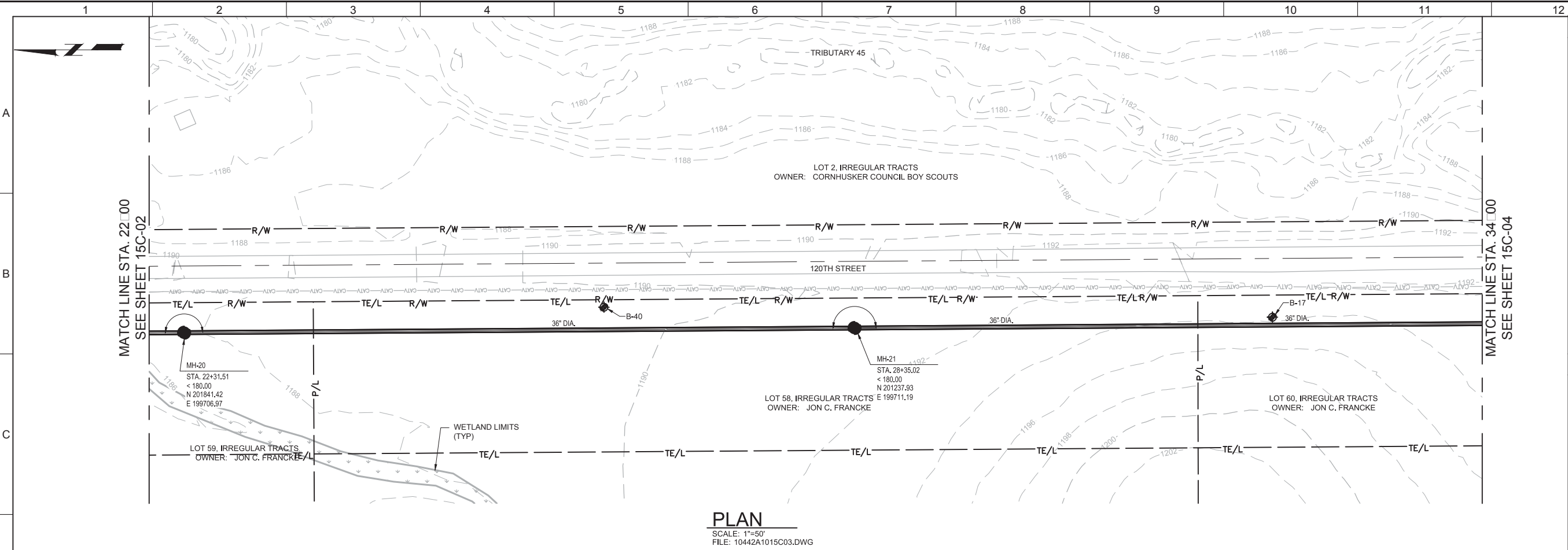
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 DRAWING NO. 15C-02
 SHEET NO. 27 OF 58

Plot Date: 11/12/2018 10:53:38 AM

PROJECT NO. 10442A.10

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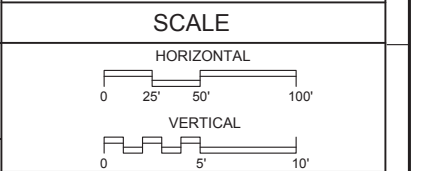
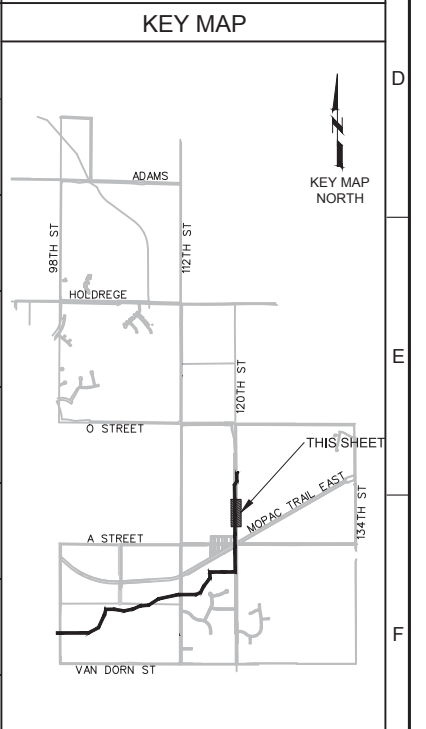
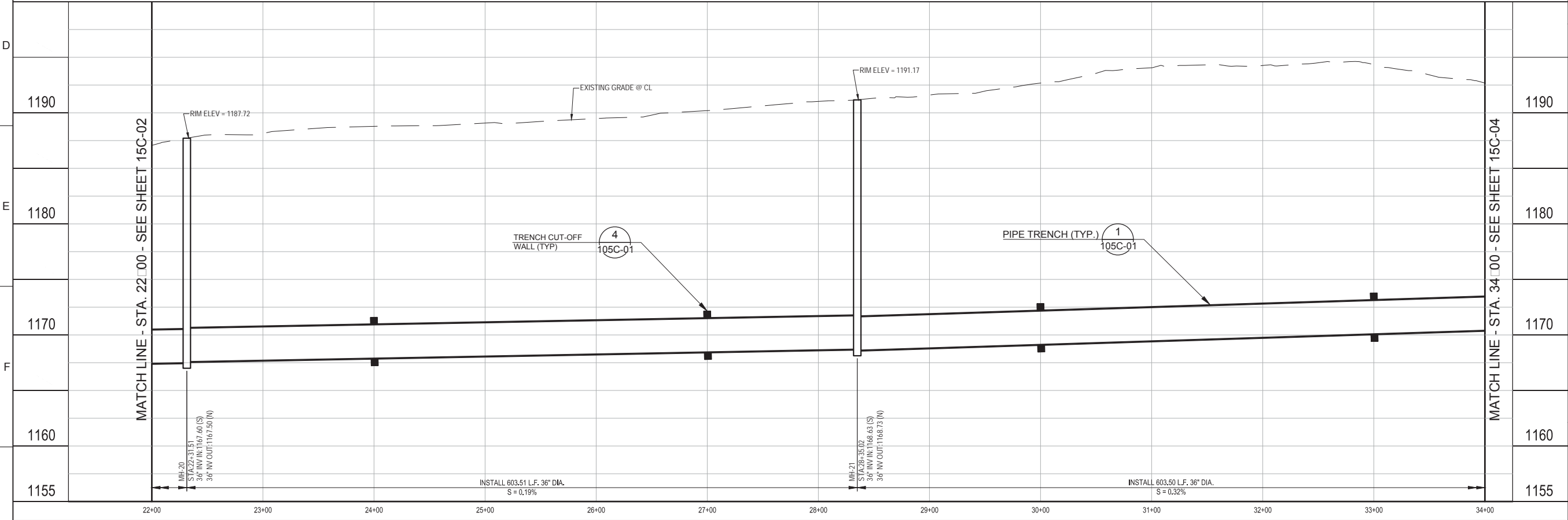
LAST SAVED BY: TPetris



PLAN
 SCALE: 1"=50'
 FILE: 10442A1015C03.DWG

- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, VEGETATION, TREES, AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCFMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

KEY NOTES



CONFORMED DOCUMENTS

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DATE OCTOBER 2017	

INSTALL 603.51 L.F. 36" DIA.
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 CIVIL
PLAN AND PROFILE
 STA. 22+00 TO 34+00

VERIFY SCALES
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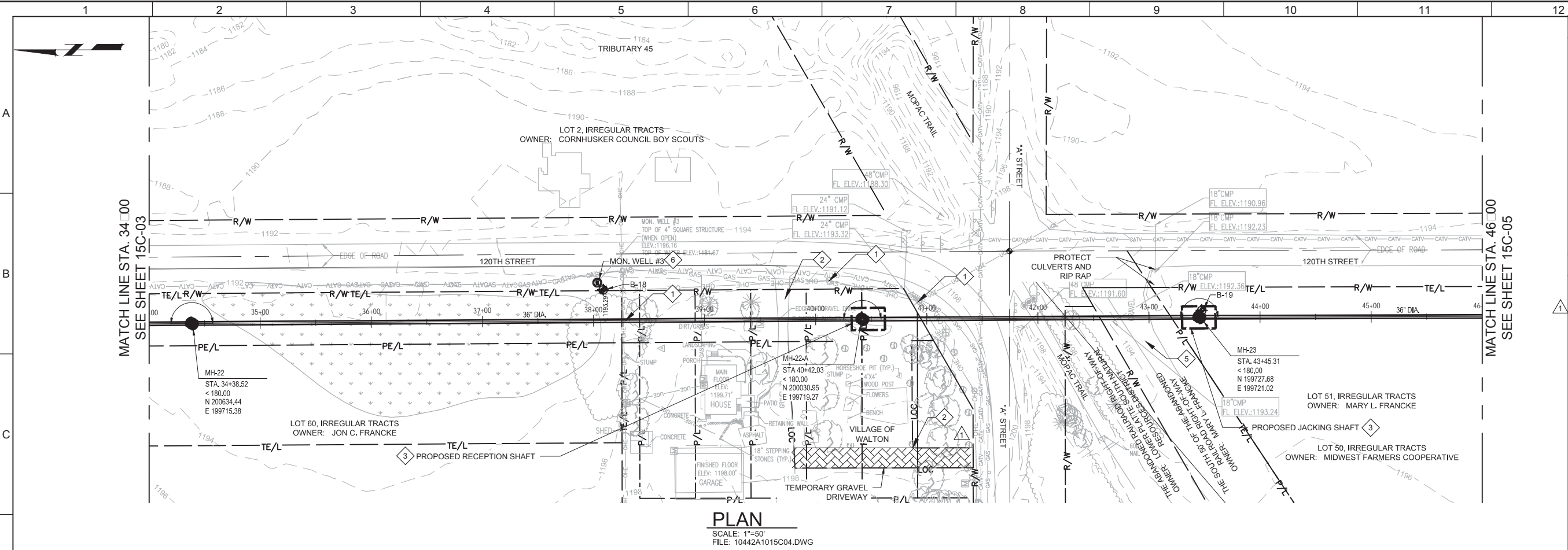
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DRAWING NO. 15C-03
SHEET NO. 28 OF 58

Plot Date: 11/17/2018 1:04:11 PM

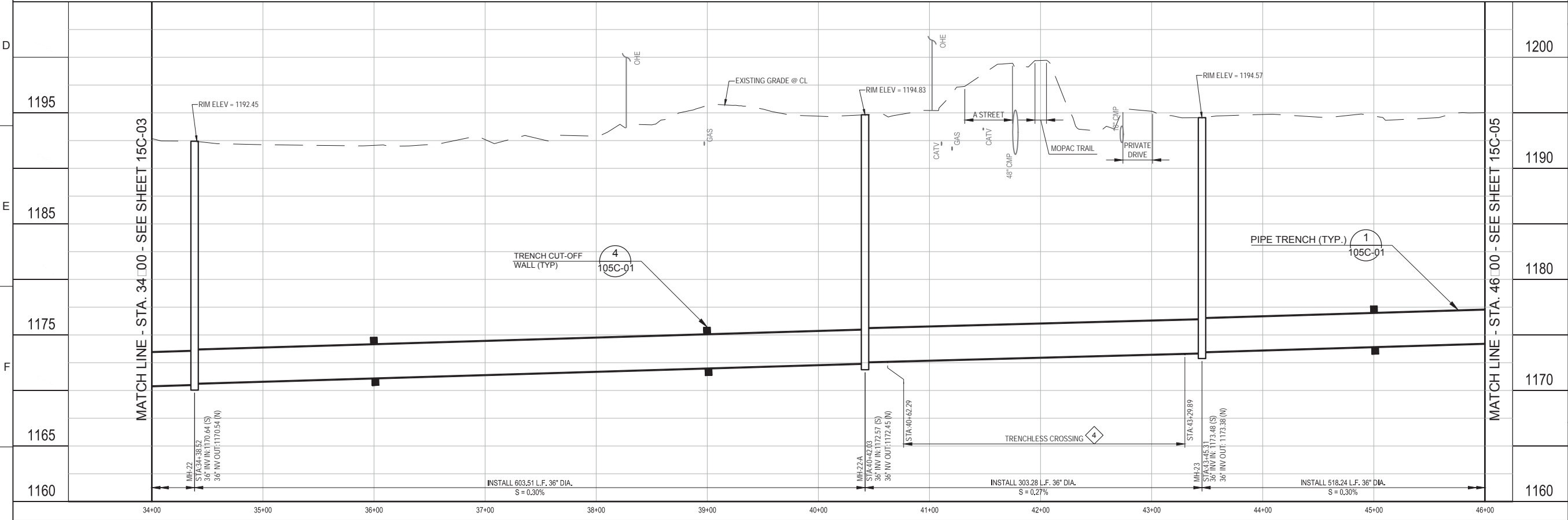
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FILE NAME: 10442A1015C04.dwg

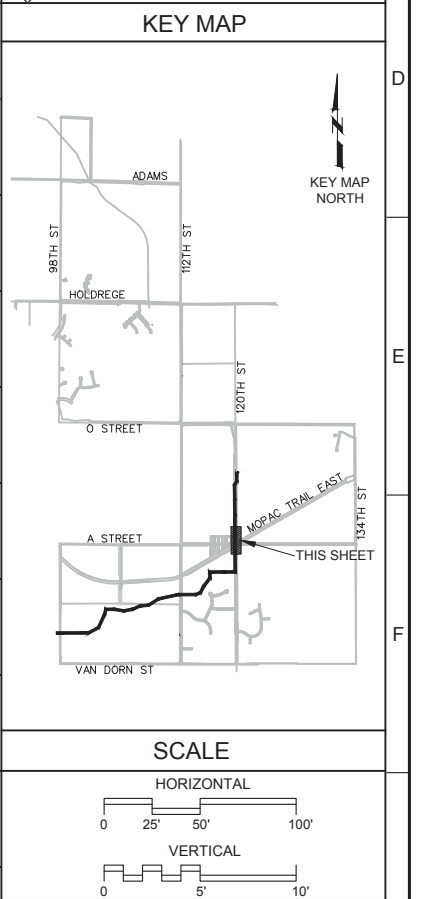
LAST SAVED BY: TPetris



PLAN
 SCALE: 1"=50'
 FILE: 10442A1015C04.DWG



- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, VEGETATION, TREES AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.
- KEY NOTES**
- CONSTRUCTION OF PIPE WILL LIKELY REQUIRE LES TO HOLD AND/OR RELOCATE UTILITY POLE. CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH THIS ACTIVITY.
 - CONSTRUCT 15 FT WIDE TEMPORARY GRAVEL ACCESS DRIVE FROM "A" STREET TO RESIDENCE PRIOR TO BEGINNING WORK IN THE AREA. CONTRACTOR SHALL NOT USE TEMPORARY DRIVE. PROVIDE TEMPORARY SAFETY FENCE BORDERING TEMPORARY DRIVE. REMOVE EXISTING GRAVEL DRIVEWAY AND CULVERT AS NECESSARY TO PERFORM WORK. UPON COMPLETION OF WORK, RESTORE EXISTING DRIVEWAY AND CULVERT TO PRECONSTRUCTION CONDITIONS. THEN REMOVE TEMPORARY DRIVE AND RESTORE AREA.
 - SHAFT SIZES SHOWN ON THE PLANS ARE APPROXIMATE. SELECTION OF THE EXACT SIZE AND SHAPE OF THE SHAFT IS THE RESPONSIBILITY OF THE CONTRACTOR BUT LIMITED TO EASEMENTS/LIMITS OF CONSTRUCTION SHOWN.
 - TRENCHLESS CROSSING SHALL BE CONSTRUCTED VIA GUIDED BORING UTILIZING CCMP OR RCP. SEE SPECIFICATIONS FOR REQUIREMENTS.
 - PRIVATE DRIVE SHALL BE PROTECTED AND ACCESS MAINTAINED.
 - ABANDON MONITORING WELL.



CONFORMED DOCUMENTS		DESIGNED	DATE
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DESCRIPTION

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STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

CIVIL

PLAN AND PROFILE
 STA. 34+00 TO 46+00

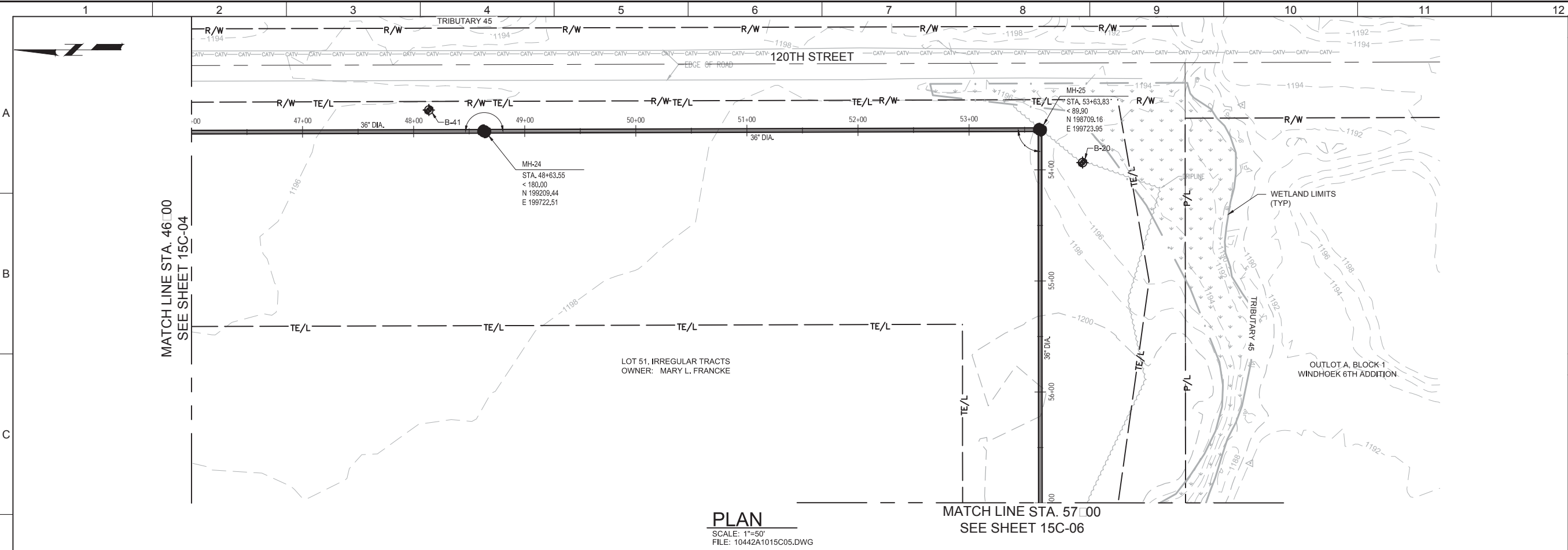
VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

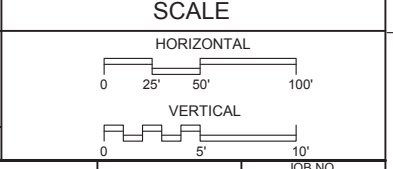
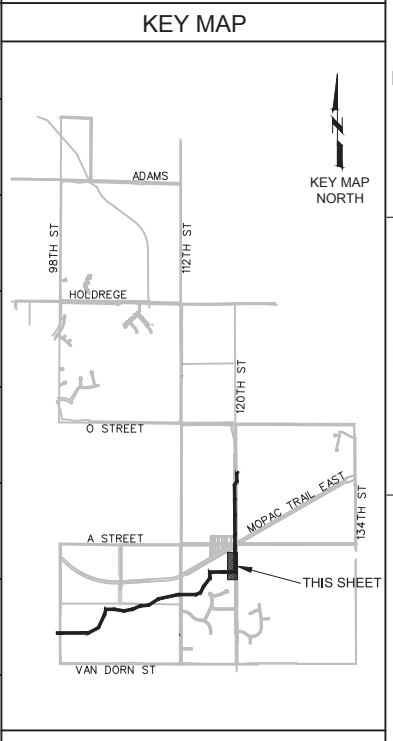
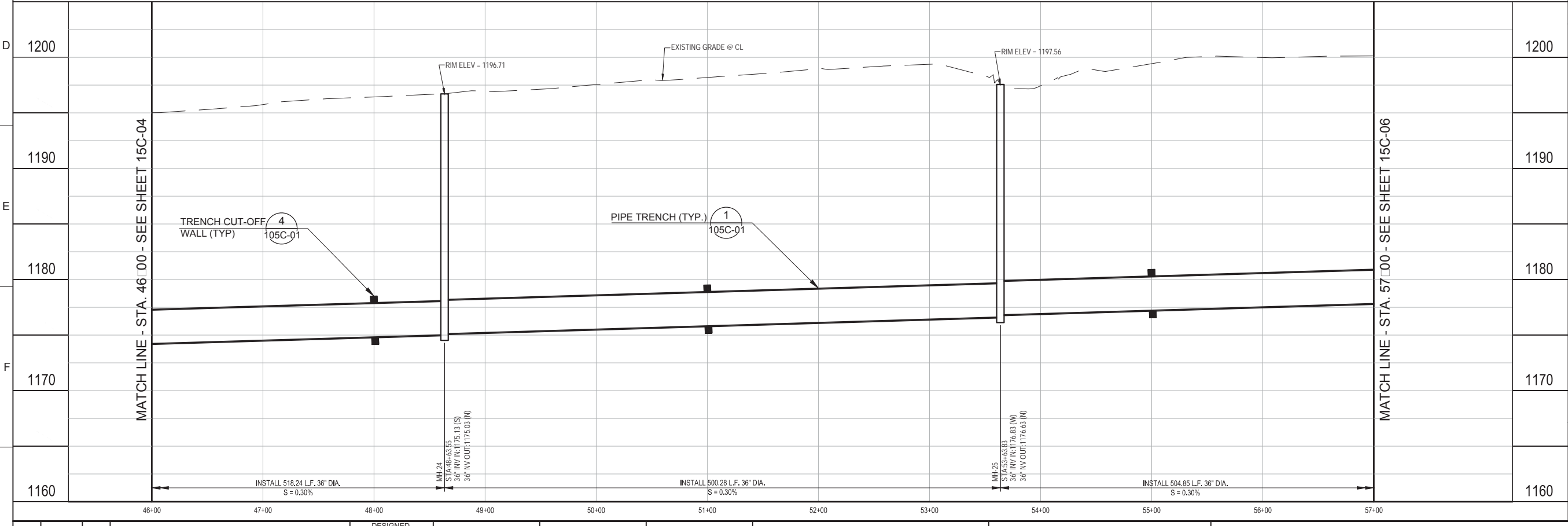
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 DRAWING NO. 15C-04
 SHEET NO. 29 OF 58

Plot Date: 11/12/2018 11:15:32 AM
 PROJECT NO. 10442A.10
 FILE NAME: 10442A1015C05.dwg
 LAST SAVED BY: TPetris



- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
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 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

KEY NOTES



REV	DATE	BY	DESCRIPTION

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CHECKED BDC	
DATE OCTOBER 2017	

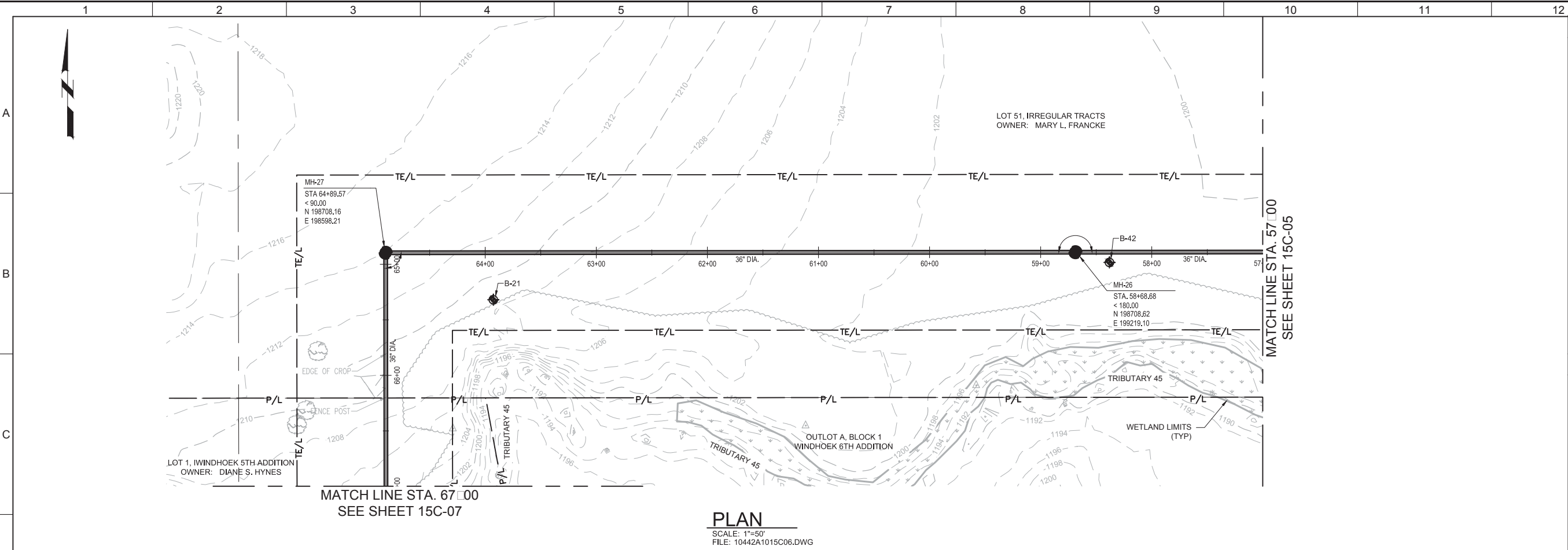
CONFORMED DOCUMENTS



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE
STA. 46+00 TO 57+00

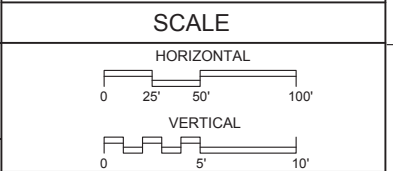
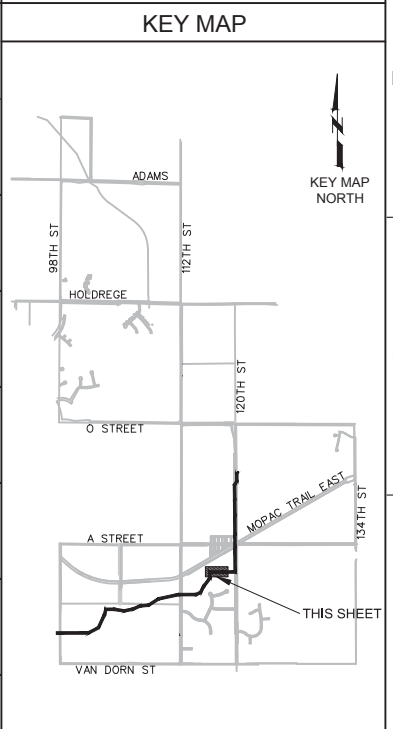
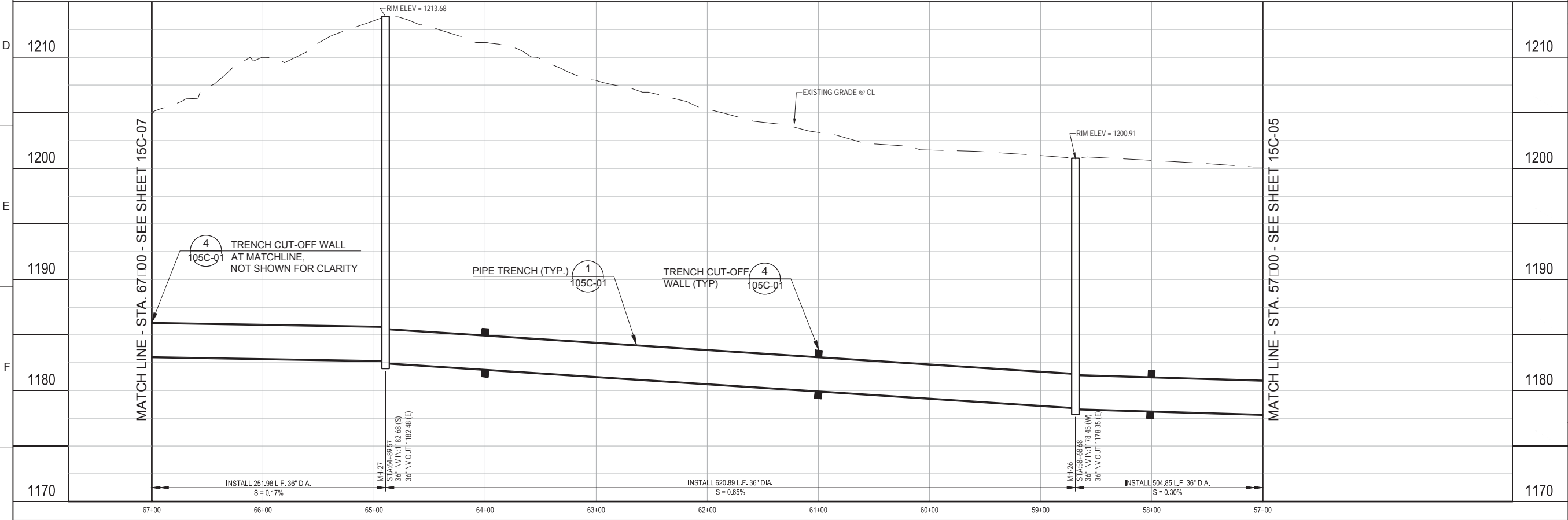
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 10442A.10 DRAWING NO. 15C-05 SHEET NO. 30 OF 58
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Plot Date: 11/12/2018 11:23:46 AM
 PROJECT NO. 10442A.10
 FILE NAME: 10442A1015C06.dwg
 LAST SAVED BY: TPetris



- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, VEGETATION, TREES, AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCFMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

KEY NOTES



REV	DATE	BY	DESCRIPTION
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CONFORMED DOCUMENTS

DESIGNED	WME
DRAWN	TEP
CHECKED	BDC
DATE	OCTOBER 2017

** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE
 STA. 57+00 TO 67+00

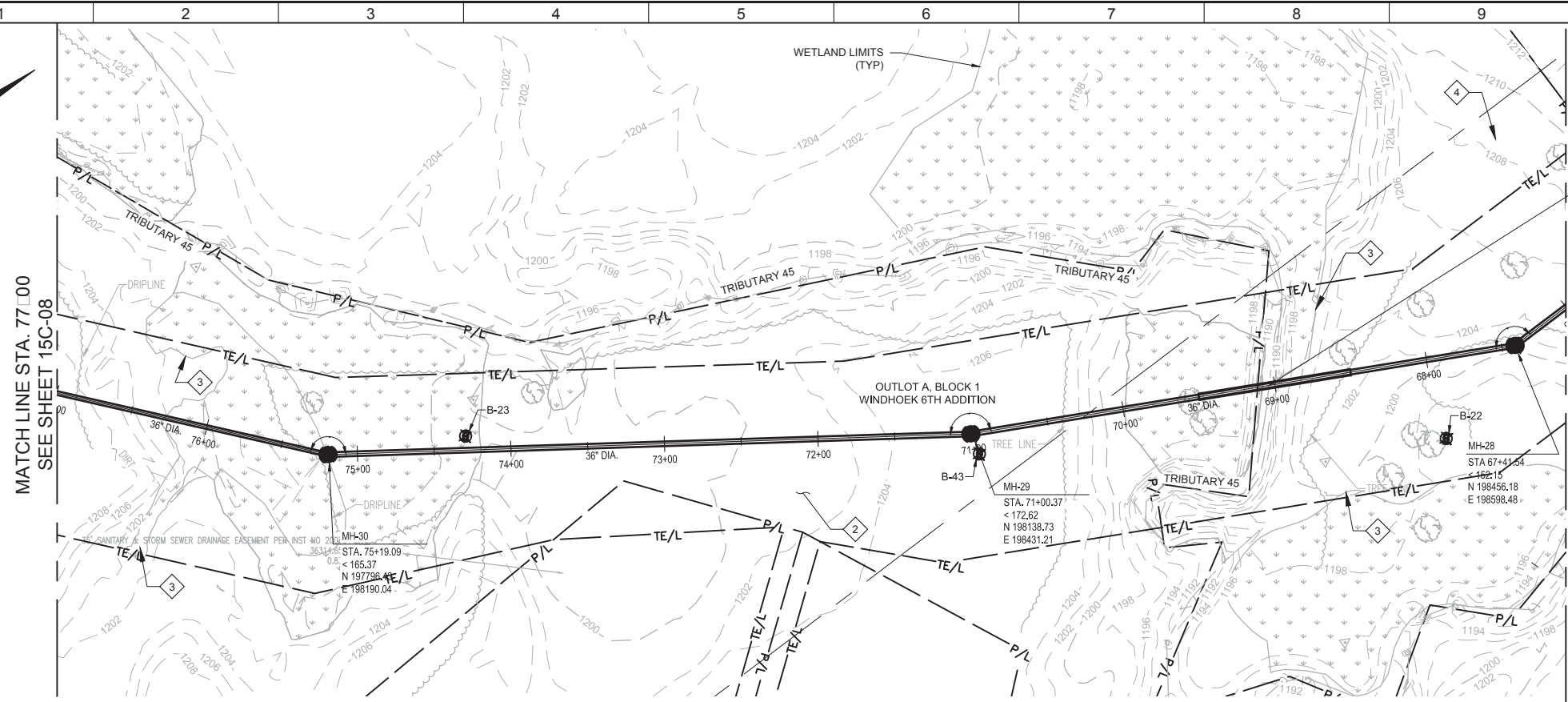
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Plot Date: 11/12/2018 11:32:10 AM

PROJECT NO. 10442A.10

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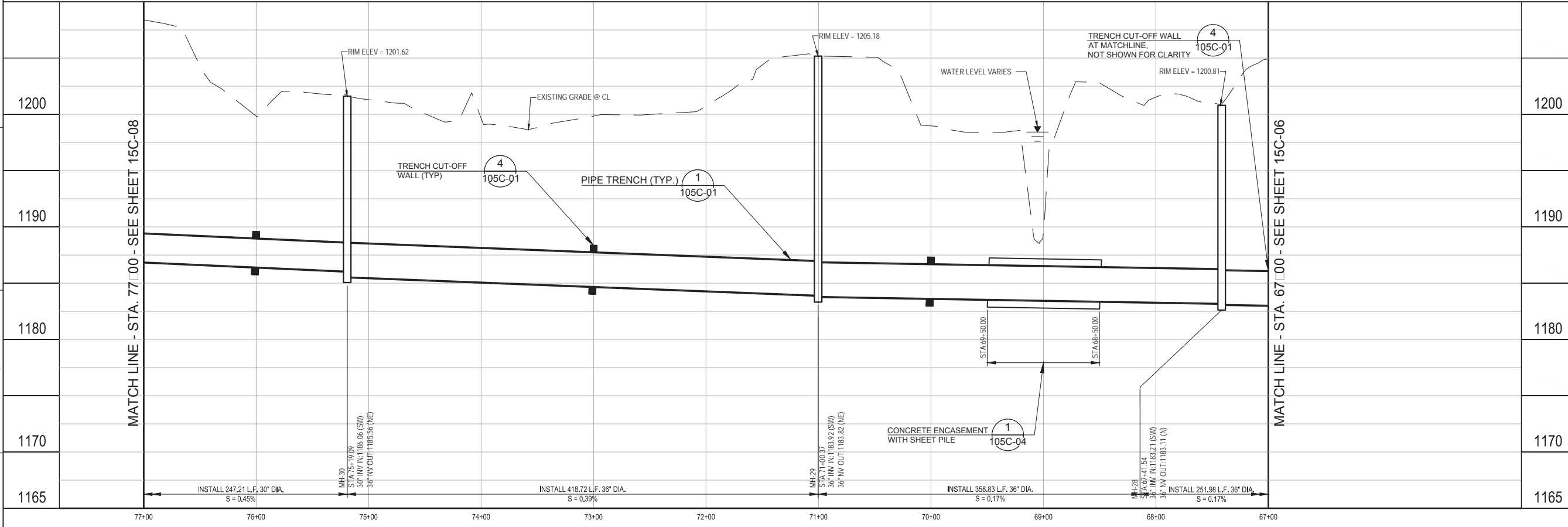
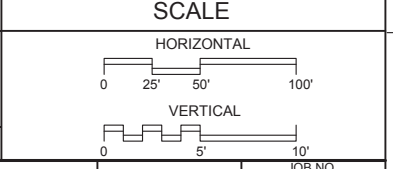
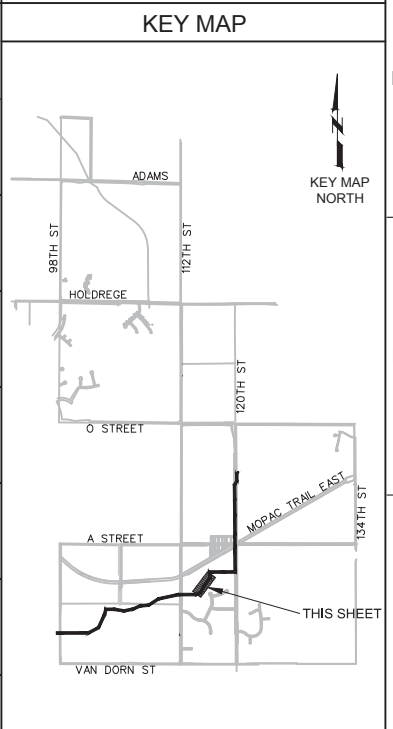
LAST SAVED BY: TPetris



PLAN
SCALE: 1"=50'
FILE: 10442A1015C07.DWG

- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
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 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

- KEY NOTES**
- NOT USED.
 - PROVIDE ORANGE SAFETY FENCE ALONG EXTENTS OF WORK AREA WHEN WITHIN RESIDENTIAL AREAS UNTIL WORK AREA FULLY RESTORED.
 - SEE SWPPP SHEETS FOR LIMITS OF CONSTRUCTION IN WETLAND AREAS
 - SECURITY CAMERAS AND ASSOCIATED BURIED WIRING LOCATED ON PROPERTY. LOCATION UNKNOWN. IF REMOVED OR DAMAGED DURING CONSTRUCTION, CAMERA WIRING TO BE REPLACED TO EQUAL OR BETTER THEN PRE-CONSTRUCTION CONDITIONS. COORDINATE WITH PROPERTY OWNER CONCERNING REMOVAL AND FINAL ACCEPTANCE OF WORK.



CONFORMED DOCUMENTS

REV	DATE	BY	DESCRIPTION

DESIGNED WME
DRAWN TEP
CHECKED BDC
DATE OCTOBER 2017

** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **



CITY OF LINCOLN, NE

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

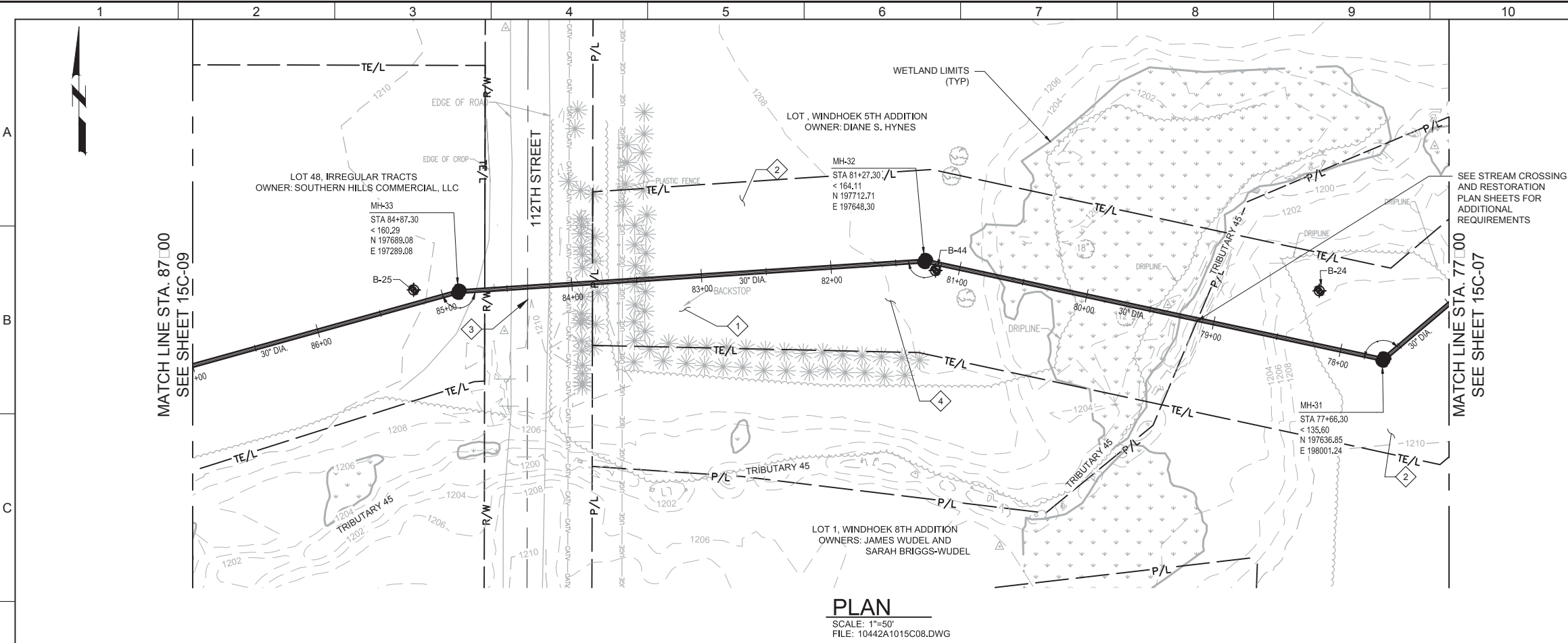
CIVIL

PLAN AND PROFILE
STA. 67+00 TO 77+00

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

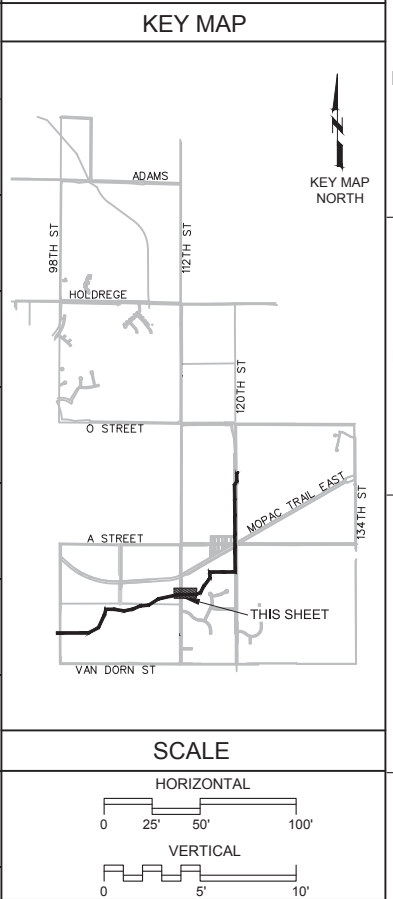
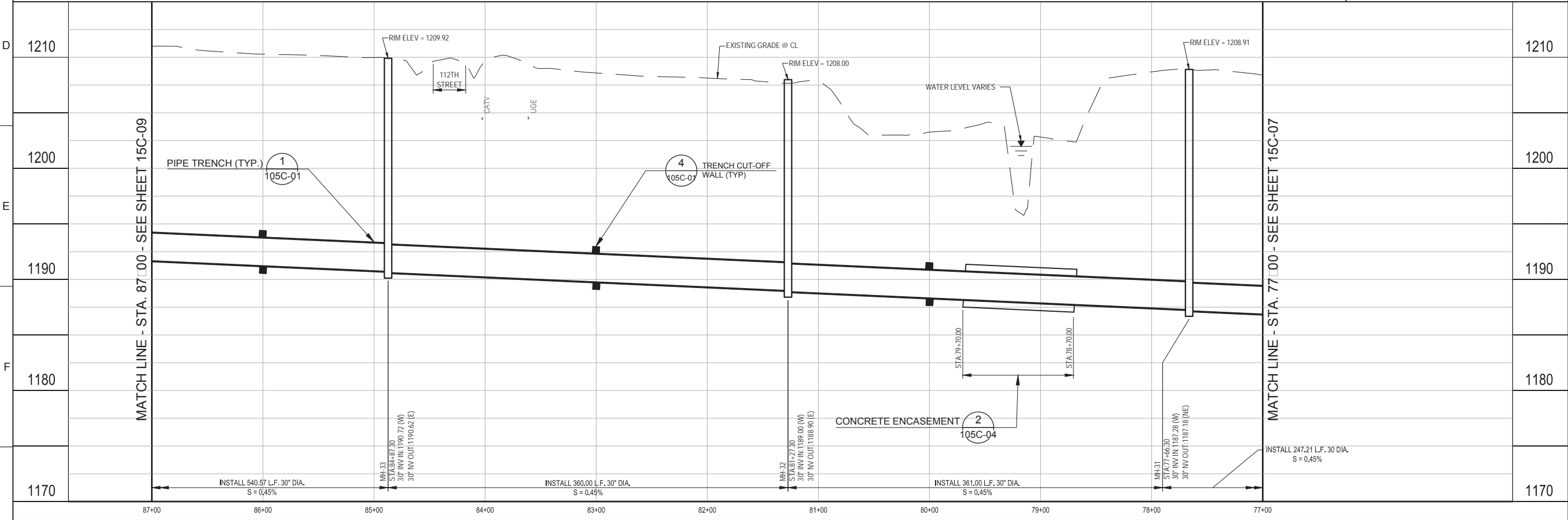
JOB NO. 10442A.10
DRAWING NO. 15C-07
SHEET NO. 32 OF 58

Plot Date: 11/12/2018 11:49:31 AM
 PROJECT NO. 10442A.10
 FILE NAME: 10442A1015C08.dwg
 LAST SAVED BY: TPetris



- ### KEY NOTES
- 1 REMOVE BASEBALL BACKSTOP AND REINSTALL AT SAME LOCATION UPON COMPLETION OF WORK. COORDINATE WITH PROPERTY OWNER CONCERNING FINAL ACCEPTANCE OF REINSTALLATION. DAMAGES TO THE BACKSTOP SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CITY OR PROPERTY OWNER.
 - 2 PROVIDE ORANGE SAFETY FENCE ALONG EXTENTS OF WORK AREA WHEN WITHIN RESIDENTIAL AREAS UNTIL WORK AREA FULLY RESTORED.
 - 3 RESTORE GRAVEL ROADWAY SURFACE IN ACCORDANCE WITH SPECIFICATION 02318 AND LANCASTER COUNTY UTILITY PERMIT COUNTY. GRAVEL ROADWAY SHALL BE CLOSED FOR A MAXIMUM OF ONE WEEK.
 - 4 SECURITY CAMERAS AND ASSOCIATED BURIED WIRING LOCATED ON PROPERTY. LOCATION UNKNOWN. IF REMOVED OR DAMAGED DURING CONSTRUCTION, CAMERA WIRING TO BE REPLACED TO EQUAL OR BETTER THEN PRE-CONSTRUCTION CONDITIONS. COORDINATE WITH PROPERTY OWNER CONCERNING REMOVAL AND FINAL ACCEPTANCE OF WORK.

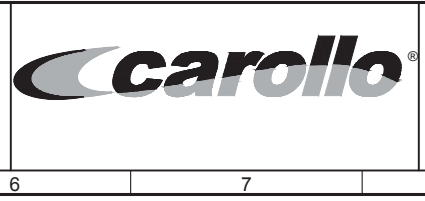
- ### GENERAL NOTES
1. DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 2. ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
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 5. CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.



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DESIGNED WME
 DRAWN TEP
 CHECKED BDC
 DATE OCTOBER 2017

ORIGINAL SEALED BY
 WESTON M. ENGEL
 SEPTEMBER 29, 2017
 NE E-14359



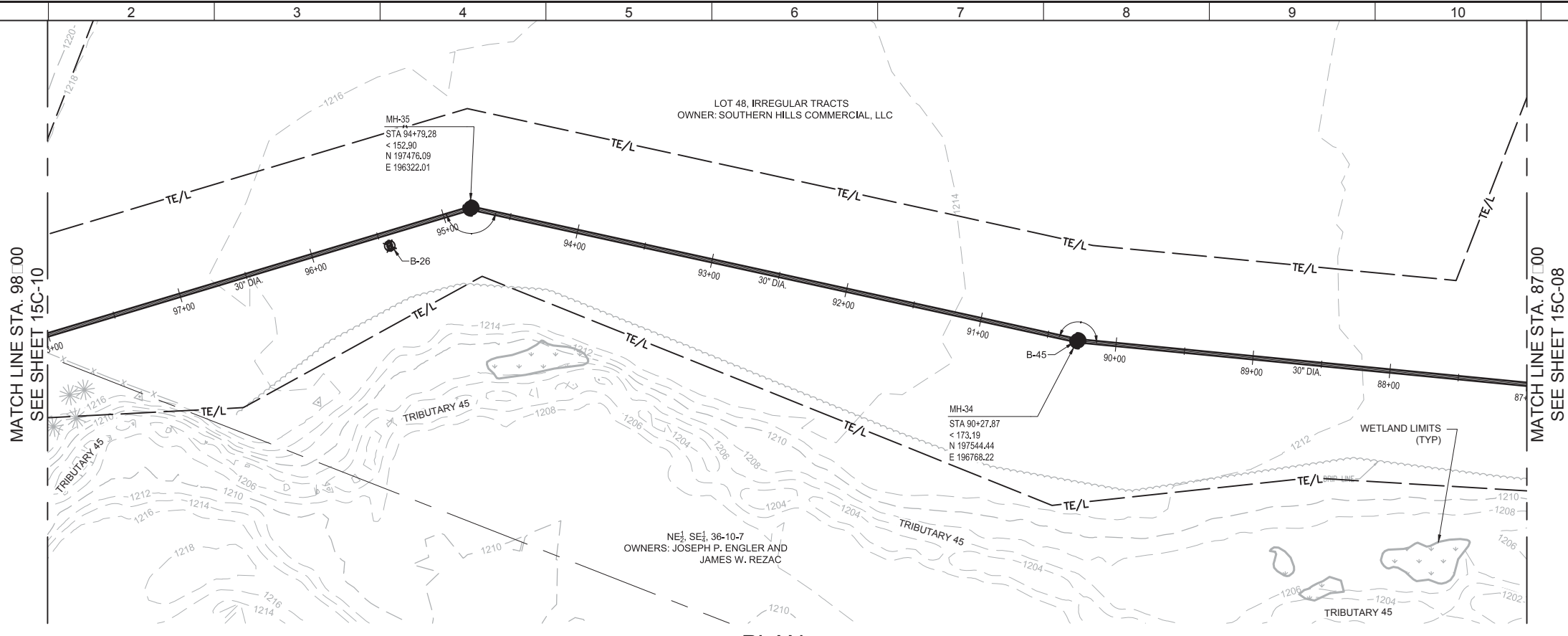
CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE
 STA. 77+00 TO STA. 87+00

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
 DRAWING NO. 15C-08
 SHEET NO. 33 OF 58

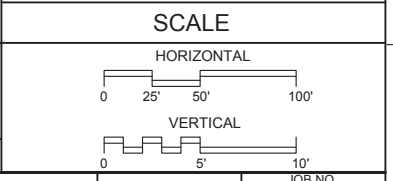
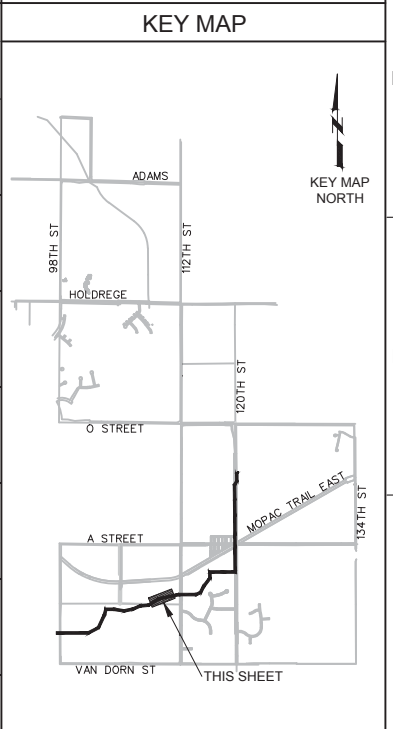
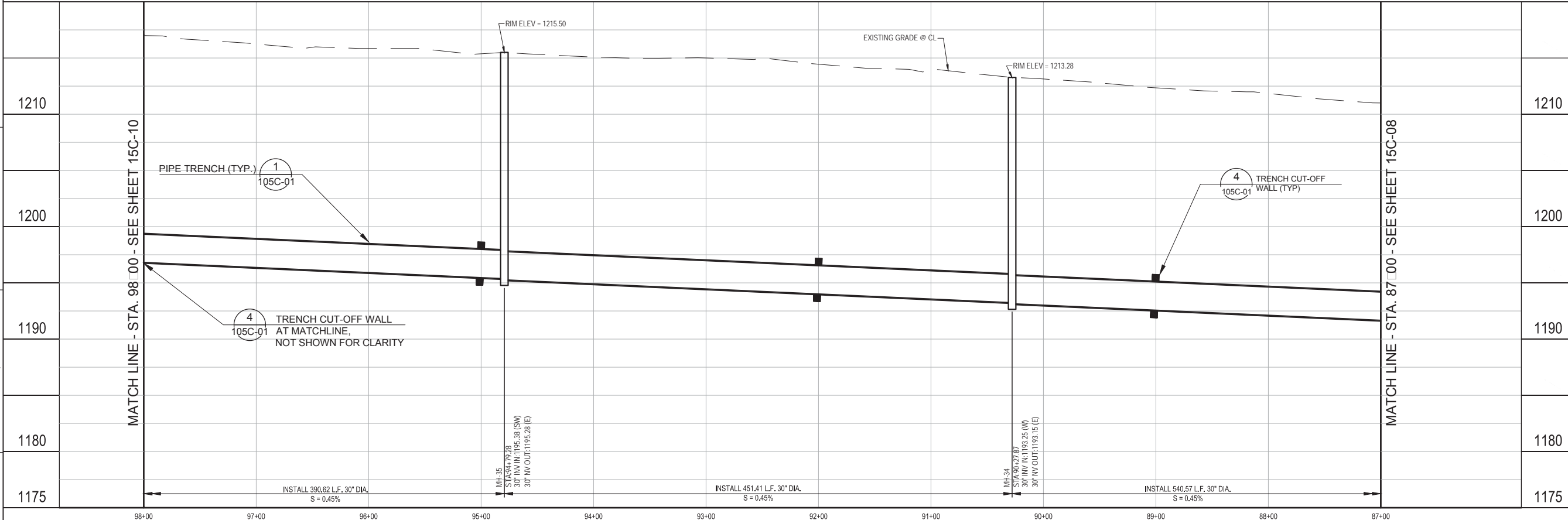
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 PROJECT NO. 10442A.10
 LAST SAVED BY: TPetris



PLAN
 SCALE: 1"=50'
 FILE: 10442A1015C09.DWG

- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
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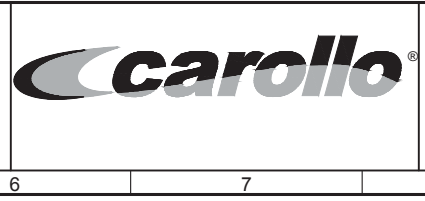
KEY NOTES



REV	DATE	BY	DESCRIPTION

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DRAWN TEP	
CHECKED BDC	
DATE OCTOBER 2017	

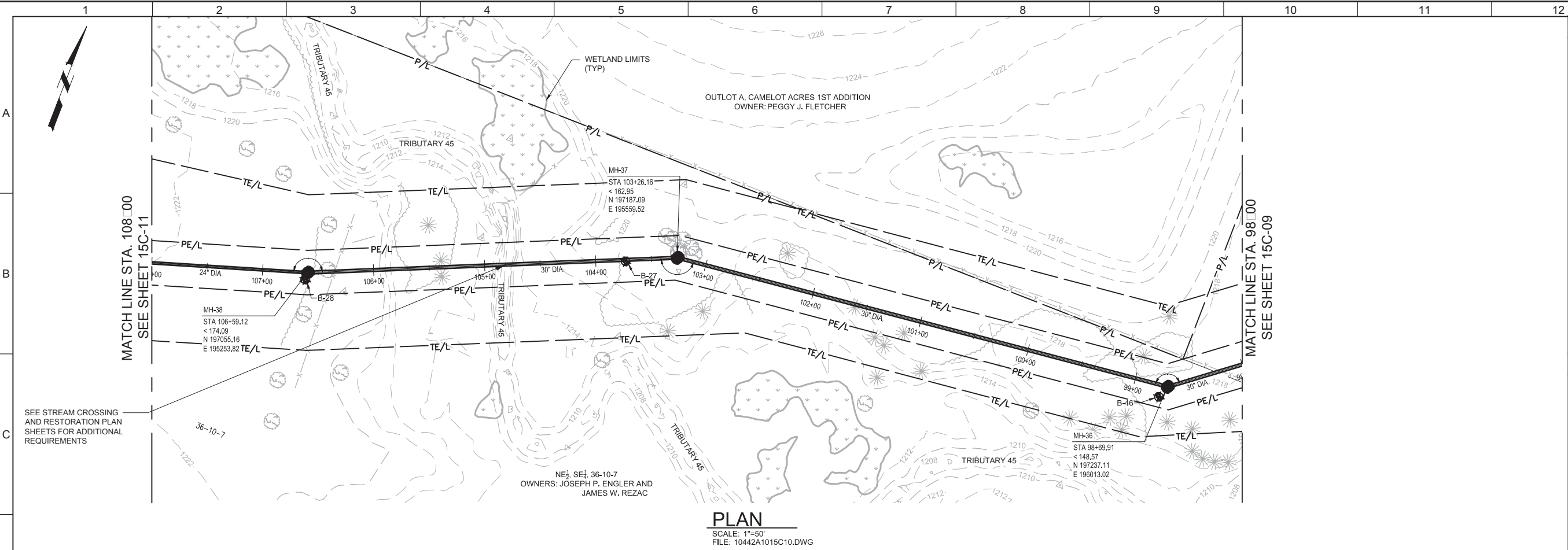
CONFORMED DOCUMENTS



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE
 STA. 87+00 TO 98+00

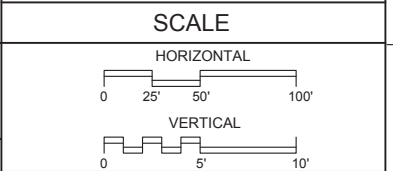
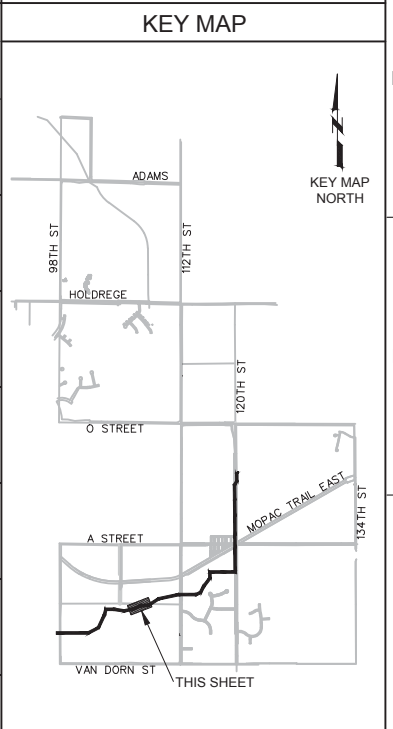
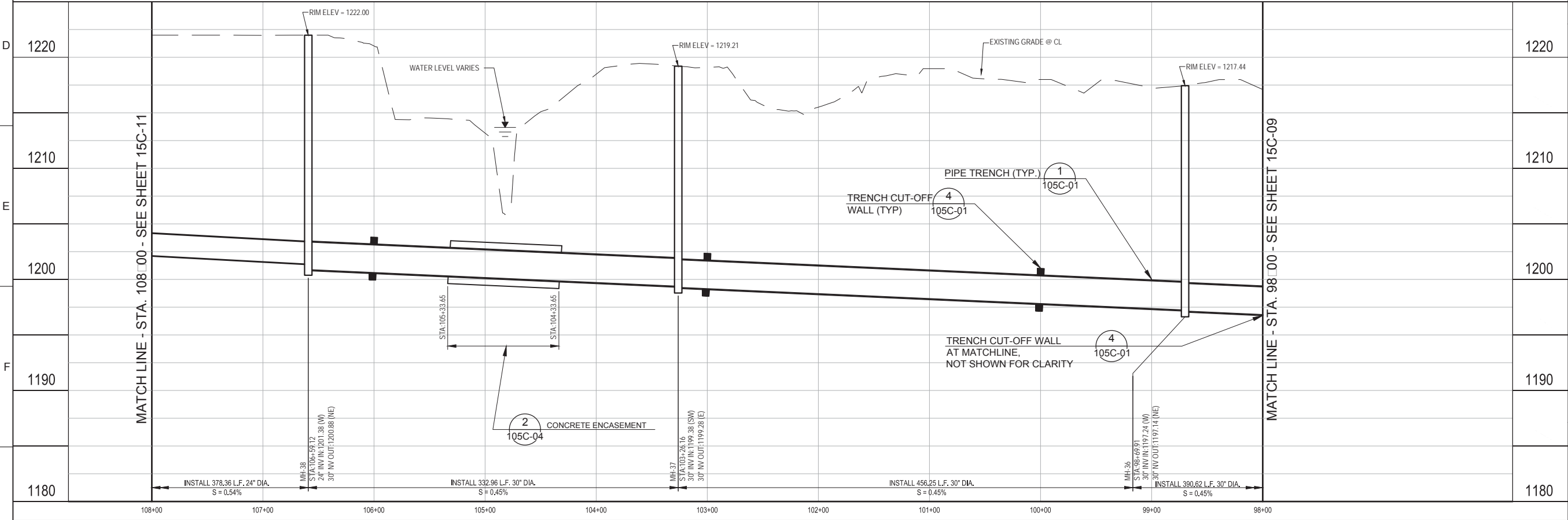
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Plot Date: 11/12/2018 12:07:18 PM
 PROJECT NO. 10442A.10
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 LAST SAVED BY: TPetris



- GENERAL NOTES**
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KEY NOTES



REV	DATE	BY	DESCRIPTION
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DESIGNED	WME
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CHECKED	BDC
DATE	OCTOBER 2017
** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **	

Statewide (800) 331-5666
 Metro Omaha 344-3565
Call Before You Dig... It's The Law

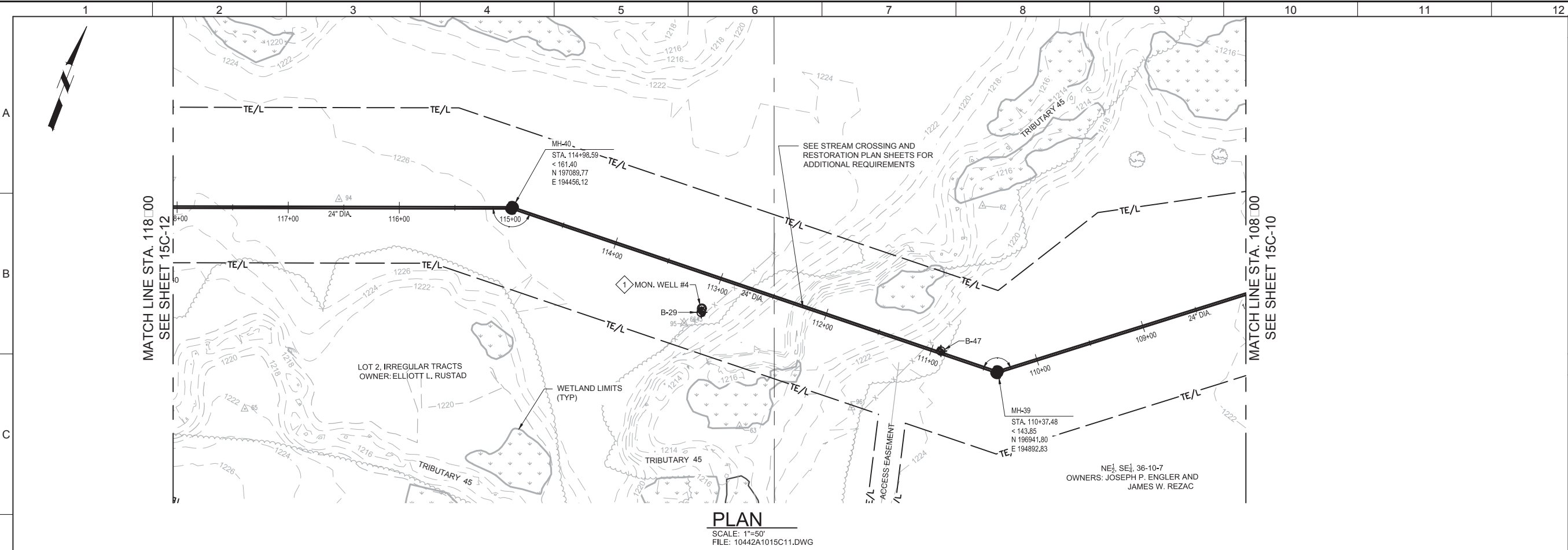
CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PLAN AND PROFILE
STA. 98+00 TO 108+00

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 10442A.10 DRAWING NO. 15C-10 SHEET NO. 35 OF 58
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Plot Date: 11/12/2018 12:17:45 PM

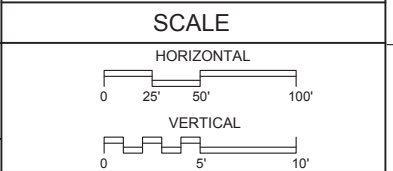
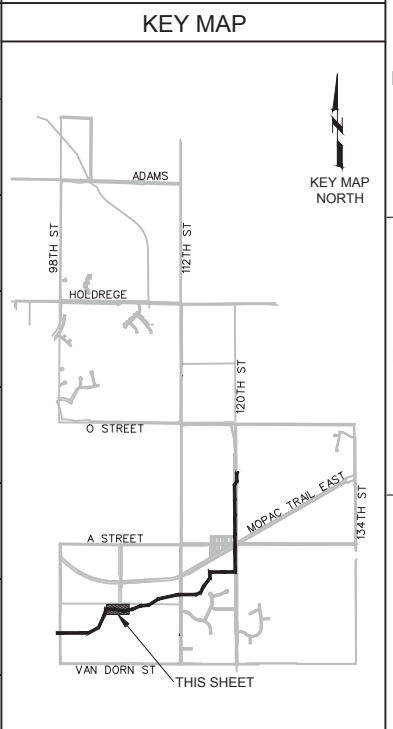
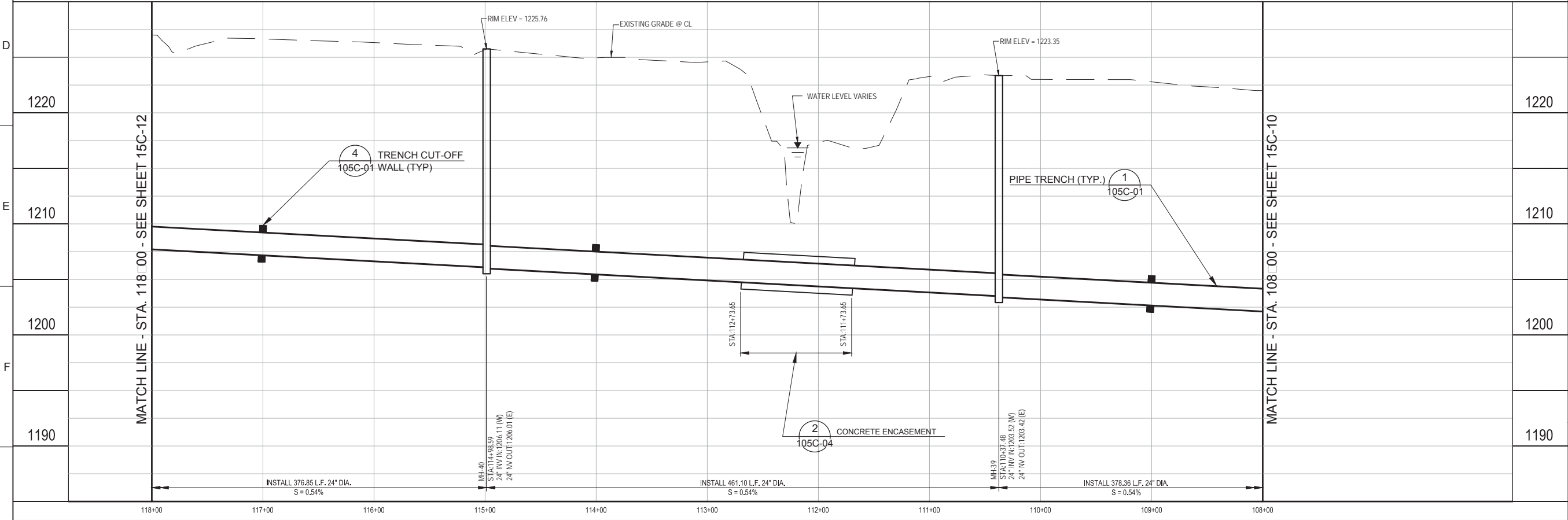
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FILE NAME: 10442A1015C11.dwg

LAST SAVED BY: TPetris



- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
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- KEY NOTES**
- 1 ABANDON MONITORING WELL.



CONFORMED DOCUMENTS

REV	DATE	BY	DESCRIPTION

DESIGNED
WME

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TEP

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BDC

DATE
OCTOBER 2017

** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-4359 **



CITY OF LINCOLN, NE

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

CIVIL

PLAN AND PROFILE
STA. 108+00 TO 118+00

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
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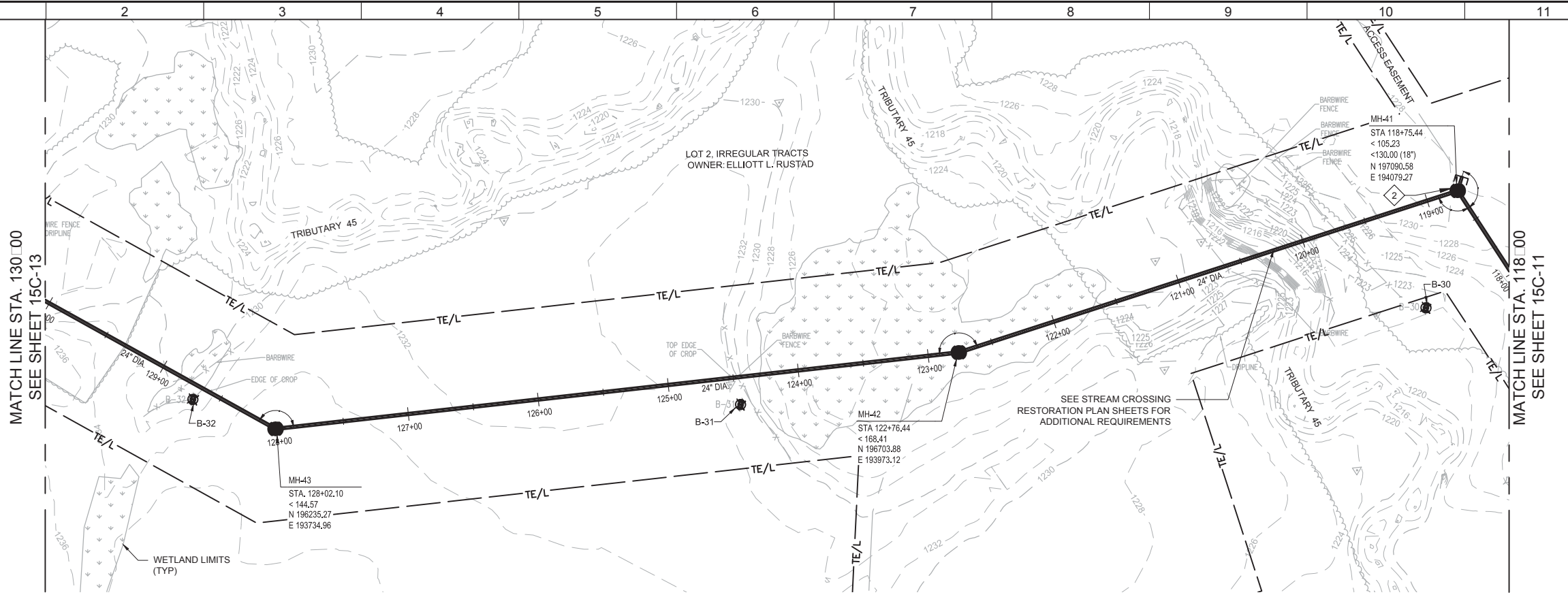
JOB NO. 10442A.10
DRAWING NO. 15C-11
SHEET NO. 36 OF 58

Plot Date: 11/12/2018 12:29:37 PM

PROJECT NO. 10442A.10

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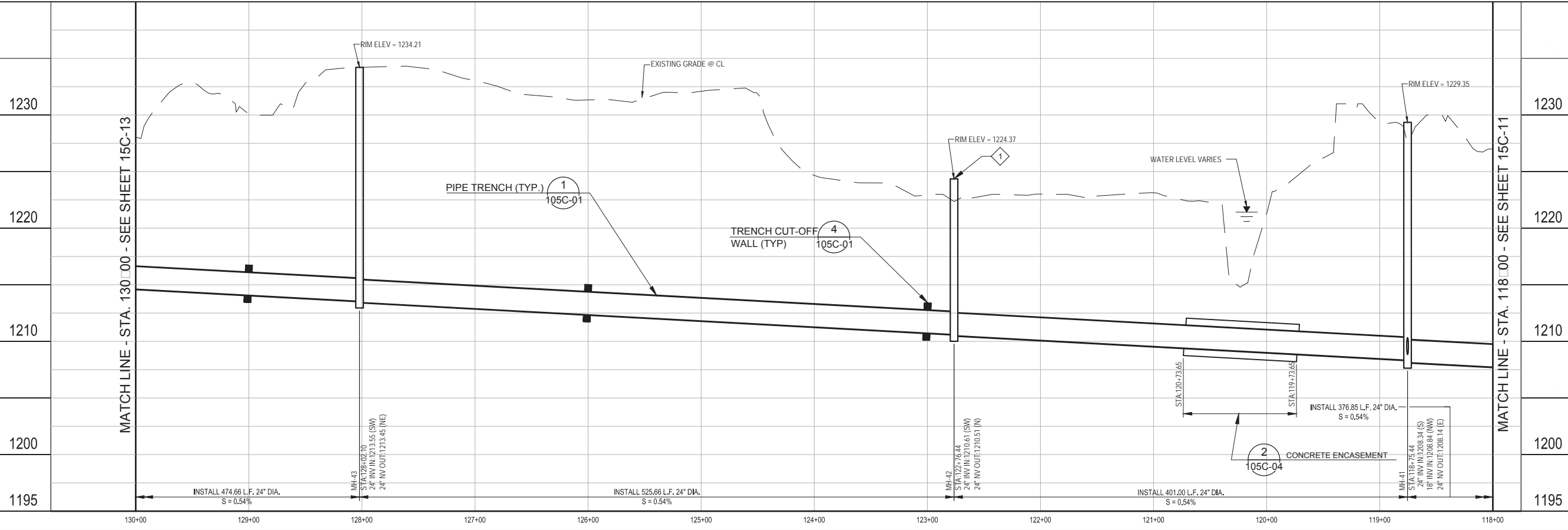
LAST SAVED BY: TPetris



PLAN
 SCALE: 1"=50'
 FILE: 10442A1015C12.DWG

- GENERAL NOTES**
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
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- KEY NOTES**
- MANHOLE RIM TO BE SET 2 FT ABOVE GROUND ELEVATION.
 - PROVIDE 18-INCH DIA PIPE STUBOUT (PVC), LENGTH = 5 FT, INSTALLED AT A SLOPE OF 0.75%. INSTALL A GASKETED, WATERTIGHT, REMOVABLE PLUG SUITABLE FOR USE IN THE PIPE PROVIDED. PLUG SHALL INCORPORATE LUGS OR RINGS TO FACILITATE FUTURE REMOVAL.



KEY MAP

SCALE

HORIZONTAL: 0 25' 50' 100'

VERTICAL: 0 5' 10'

CONFORMED DOCUMENTS

REV	DATE	BY	DESCRIPTION

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WME

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TEP

CHECKED
BDC

DATE
OCTOBER 2017

** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **



CITY OF LINCOLN, NE

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT

CIVIL

PLAN AND PROFILE
 STA. 118+00 TO 130+00

VERIFY SCALES

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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10

DRAWING NO. 15C-12

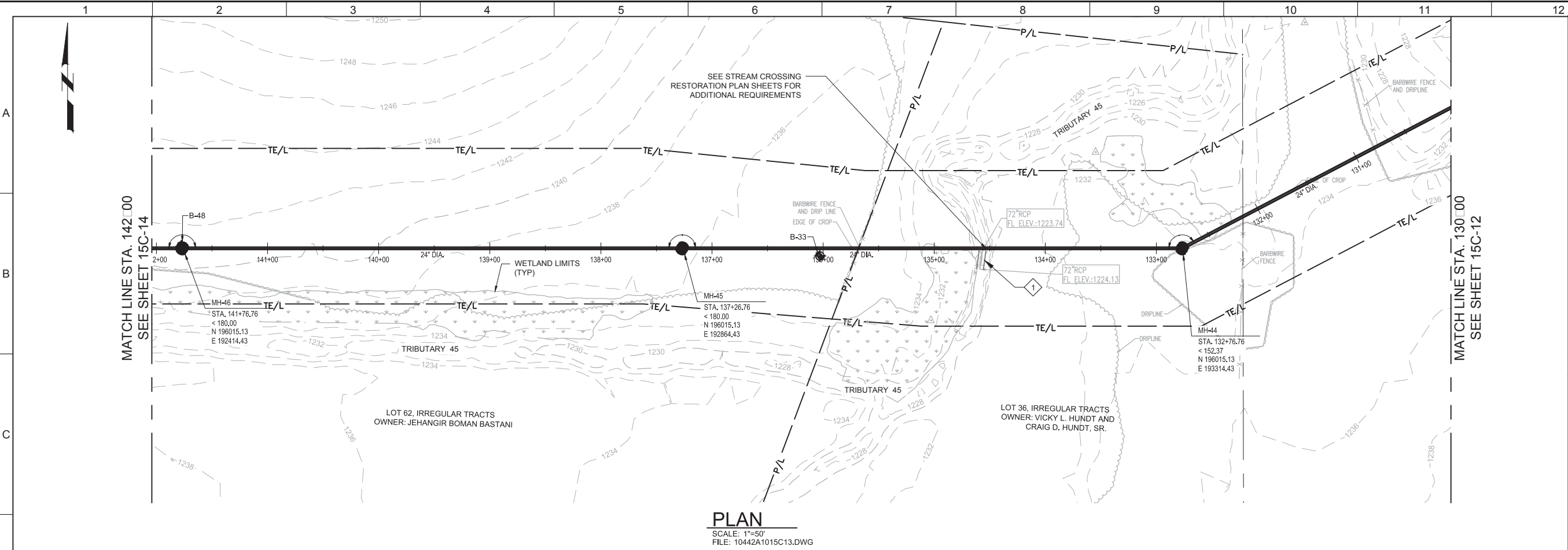
SHEET NO. 37 OF 58

Plot Date: 11/12/2018 12:42:56 PM

PROJECT NO. 10442A.10

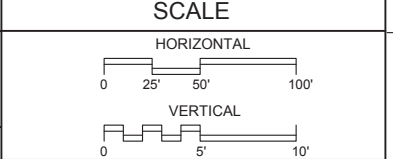
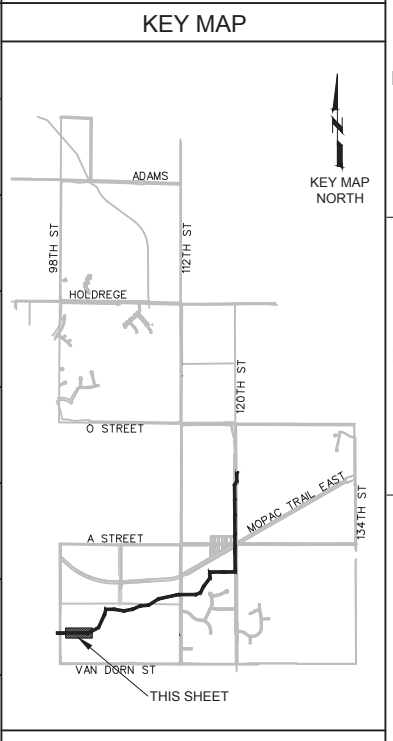
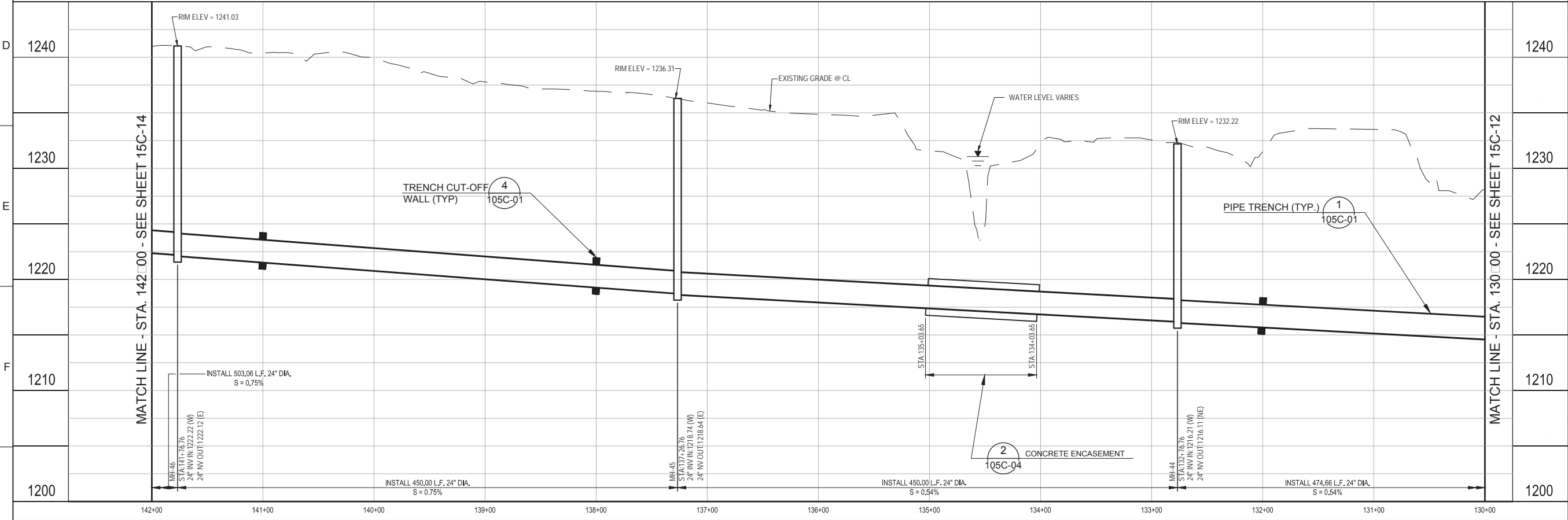
FILE NAME: 10442A1015C13.dwg

LAST SAVED BY: TPetris



- GENERAL NOTES**
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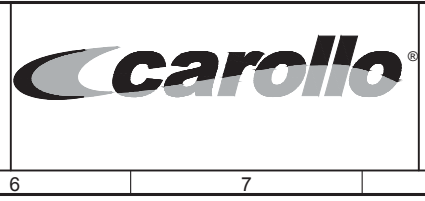
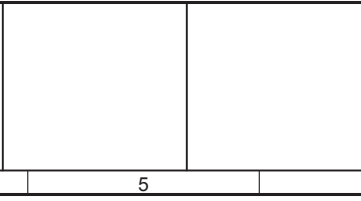
- KEY NOTES**
- REMOVE 72" RCP SECTION FROM STREAM, PROVIDE TO PROPERTY OWNER.



CONFORMED DOCUMENTS

REV	DATE	BY	DESCRIPTION

DESIGNED WME	** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **
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DATE OCTOBER 2017	



CITY OF LINCOLN, NE
10442A.10
DRAWING NO. 15C-13
SHEET NO. 38 OF 58

STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
CIVIL
PLAN AND PROFILE
STA. 130+00 TO 142+00

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

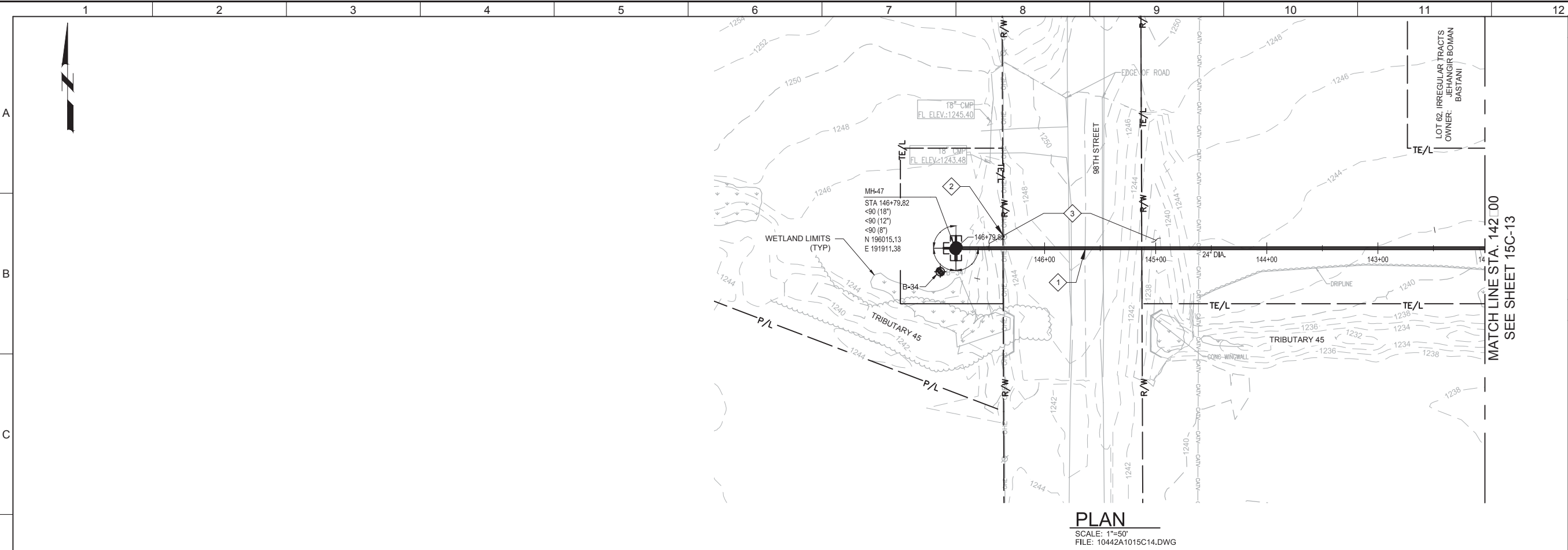
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Plot Date: 11/1/2018 12:54:29 PM

PROJECT NO. 10442A.10

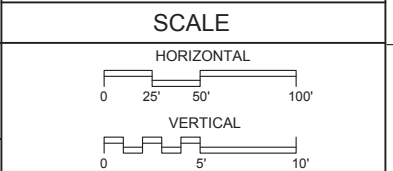
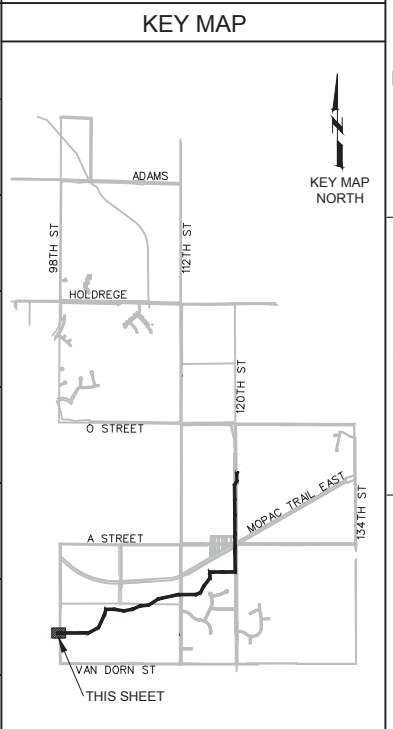
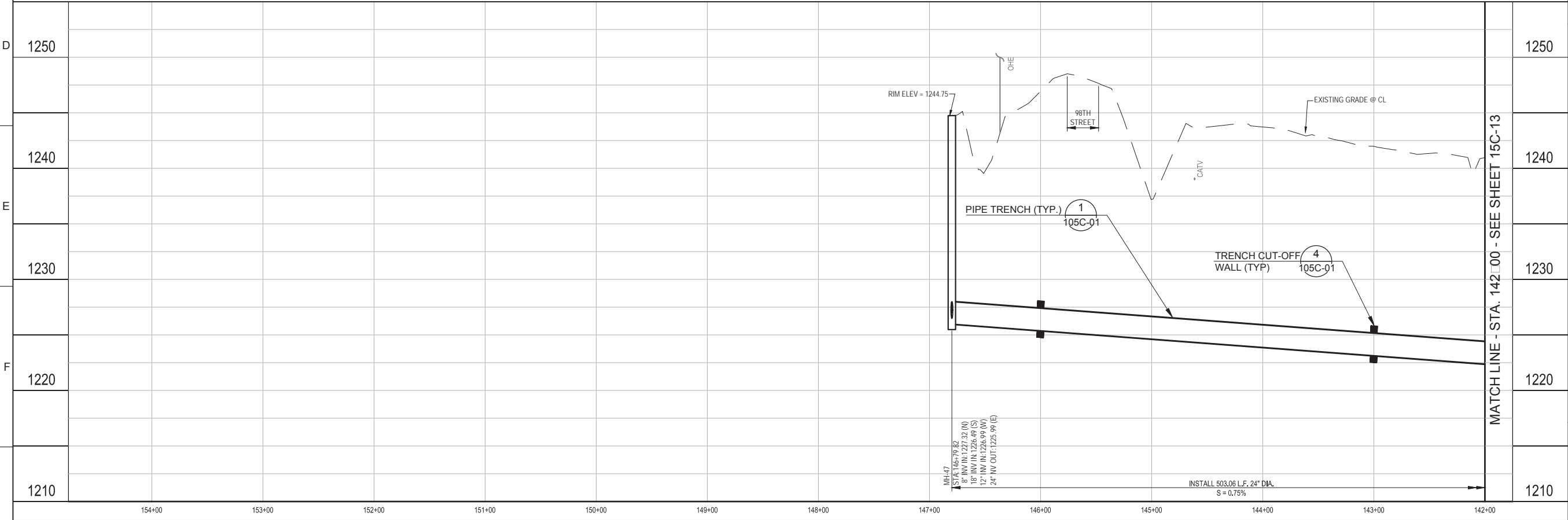
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LAST SAVED BY: TPetris



- ### GENERAL NOTES
- DIMENSIONS, COORDINATES AND STATIONING ARE TO CENTER OF MANHOLES AND JUNCTION STRUCTURES.
 - ALL FENCES REMOVED, ALTERED OR DAMAGED SHALL BE EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION. COORDINATE WITH LAND OWNER PRIOR TO REMOVING OR ALTERING FENCE.
 - CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, VEGETATION, TREES, AND CROP LANDS. WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.
 - UNLESS NOTED OTHERWISE, CONTRACTOR TO USE EITHER PVC, RCP, OR CCFMP PIPING. SEE SPECIFICATIONS AND DETAILS PER SHEET 105C-01.
 - CONTRACTOR TO USE EITHER PRECAST OR FRP MANHOLES. SEE SPECIFICATIONS AND SHEET 105C-02 AND 105C-03.

- ### KEY NOTES
- RESTORE GRAVEL ROADWAY SURFACE IN ACCORDANCE WITH SPECIFICATION 02318 AND LANCASTER COUNTY UTILITY PERMIT COUNTY. GRAVEL ROADWAY SHALL BE CLOSED FOR A MAXIMUM OF ONE WEEK.
 - CONSTRUCTION OF PIPE WILL LIKELY REQUIRE LES TO HOLD AND/OR RELOCATE UTILITY POLE. CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH WITH THIS ACTIVITY.
 - REMOVE AND STOCK PILE EXISTING RIP RAP. REINSTALL RIP RAP SIMILAR TO PRECONSTRUCTION CONDITIONS ONCE WORK COMPLETE.
 - PROVIDE 8-INCH DIA. 12-INCH DIA. AND 18-INCH DIA PIPE STUBOUTS (PVC), LENGTH = 5 FT. INSTALLED AT A SLOPE OF 0.75%. INSTALL A GASKETED, WATERTIGHT, REMOVABLE PLUG SUITABLE FOR USE IN THE PIPE PROVIDED. PLUG SHALL INCORPORATE LUGS OR RINGS TO FACILITATE FUTURE REMOVAL.



REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED WME	** ORIGINAL SEALED BY WESTON M. ENGEL SEPTEMBER 29, 2017 NE E-14359 **
DRAWN TEP	
CHECKED BDC	
DATE OCTOBER 2017	

CONFORMED DOCUMENTS

carollo

Diggers Hotline Of Nebraska
Statewide (800) 331-5666
Metro Omaha 344-3565
Call Before You Dig... It's The Law

CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
CIVIL
PLAN AND PROFILE
STA. 142+00 TO 146+79.82

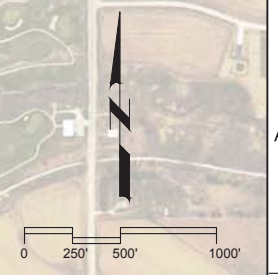
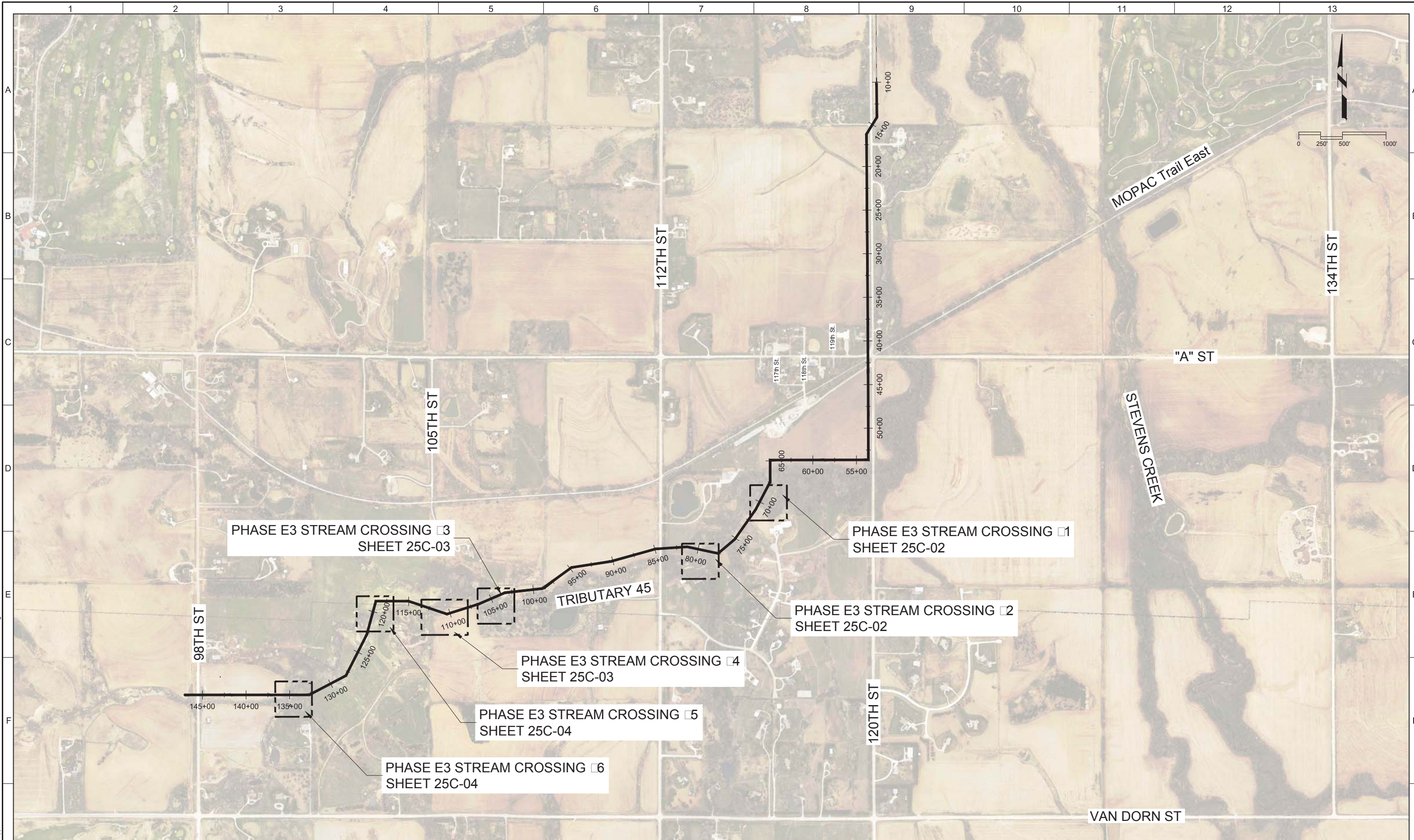
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Plot Date: 1/16/2018 9:06:02 AM

FILE NAME: 10442A1025C01.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



REV	DATE	BY	DESCRIPTION
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2			

CONFORMED DRAWINGS

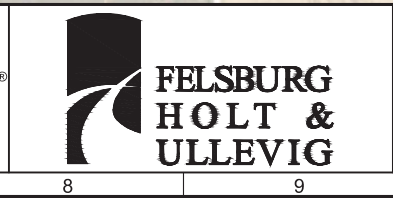
DESIGNED
LEK

DRAWN
LEK

CHECKED
DGL

DATE
OCTOBER 2017

** ORIGINAL SEALED BY DAVID G. LAMPE OCTOBER 3, 2017 NE E-9910 **



CITY OF LINCOLN, NE

STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT

CIVIL

STREAM CROSSING AND RESTORATION PLAN VICINITY MAP

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

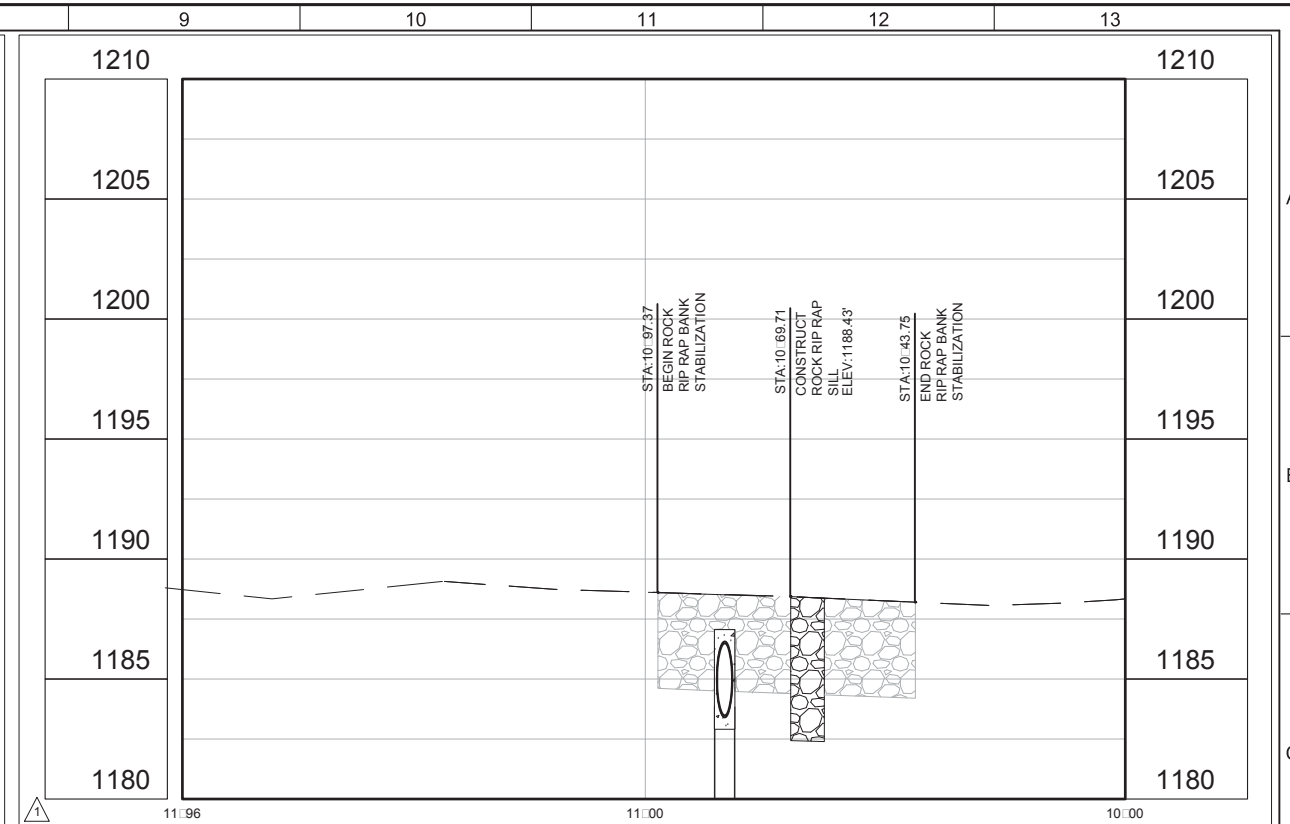
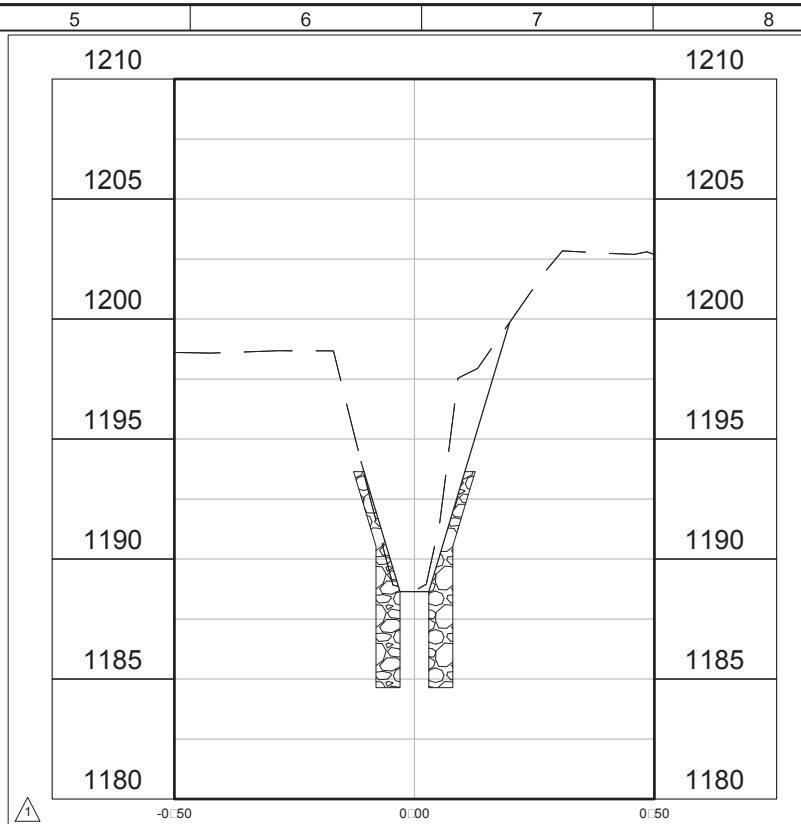
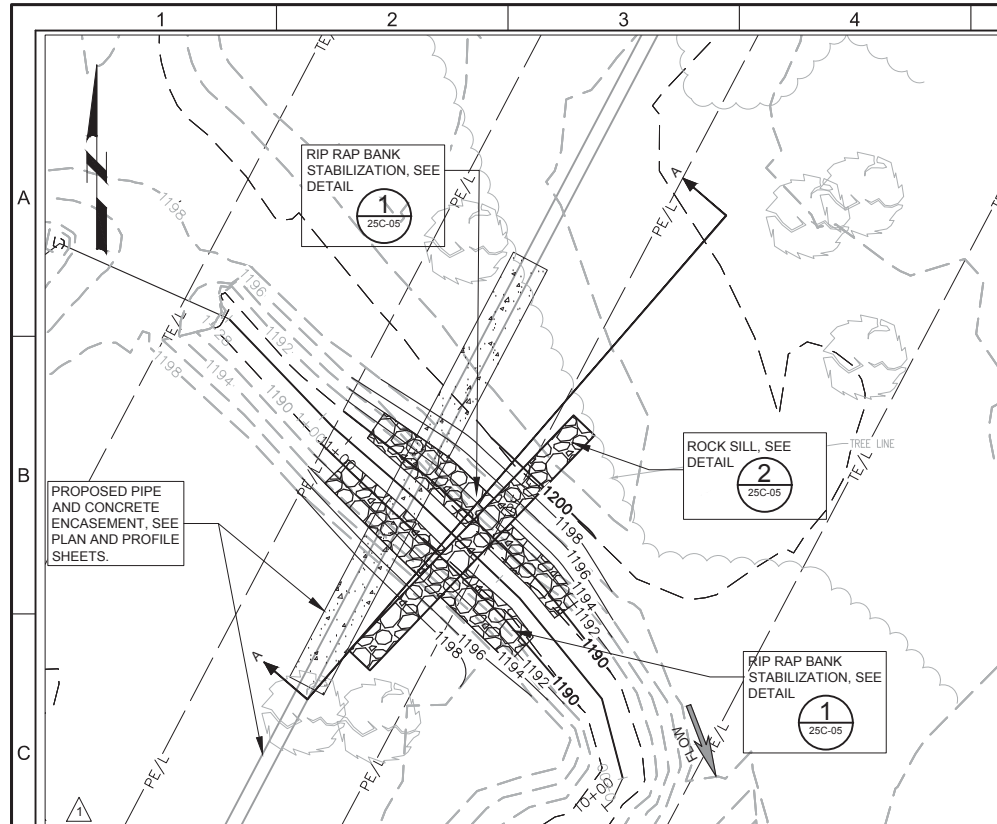
0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

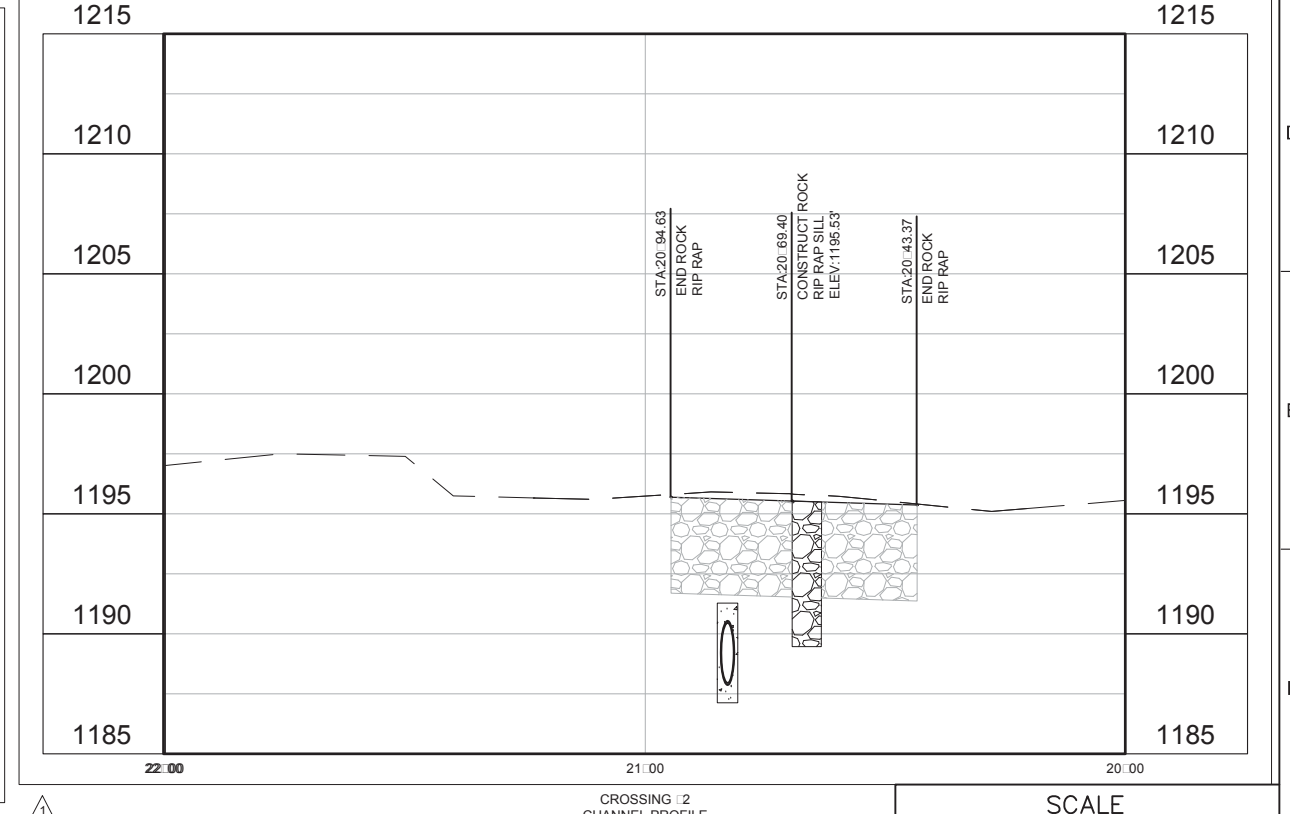
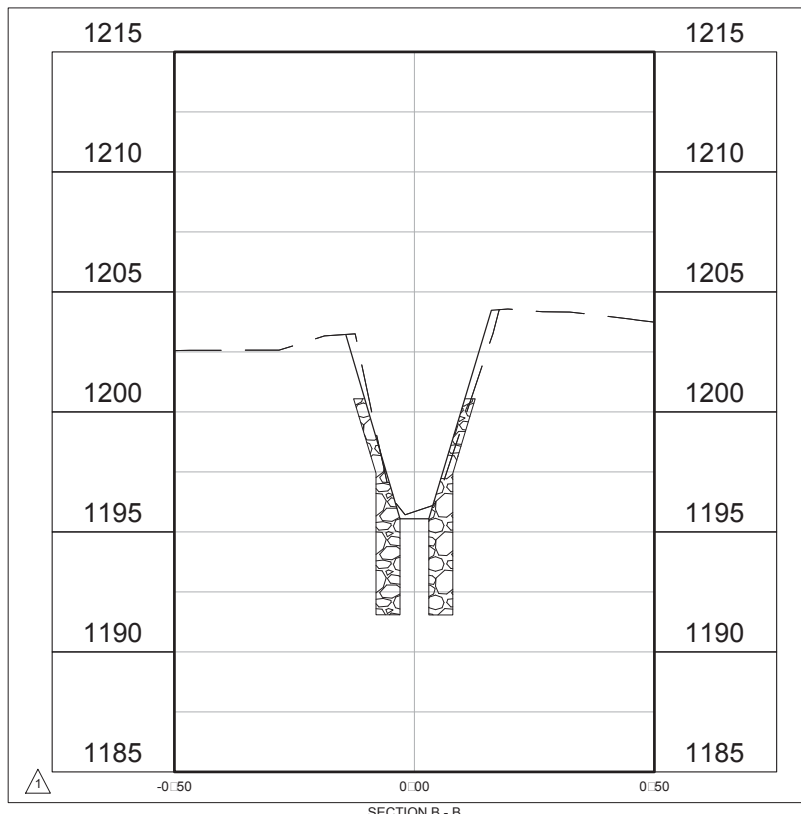
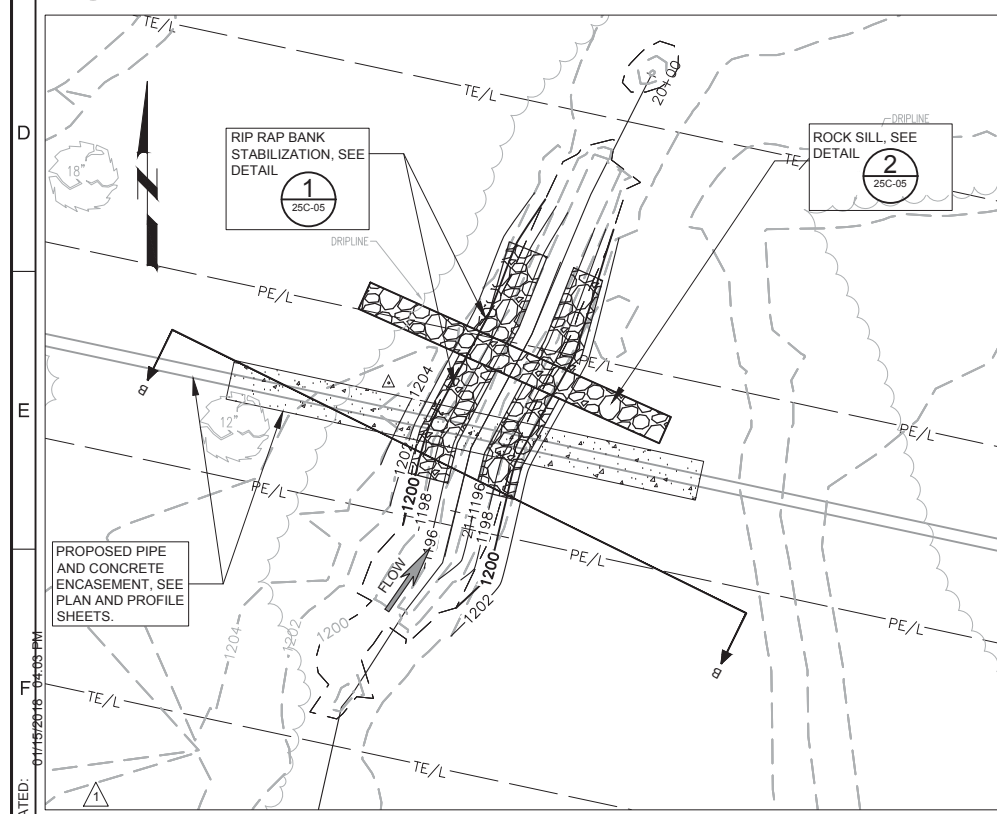
JOB NO. 10442A.10

DRAWING NO. 25C-01

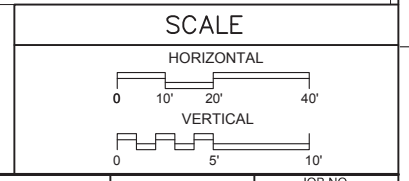
SHEET NO. 40 OF 58



1 STEVENS CREEK SUB-BASIN E-3 CROSSING #1 (SEWER STA. 69+00)



2 STEVENS CREEK SUB-BASIN E-3 CROSSING #2 (SEWER STA. 79+14)



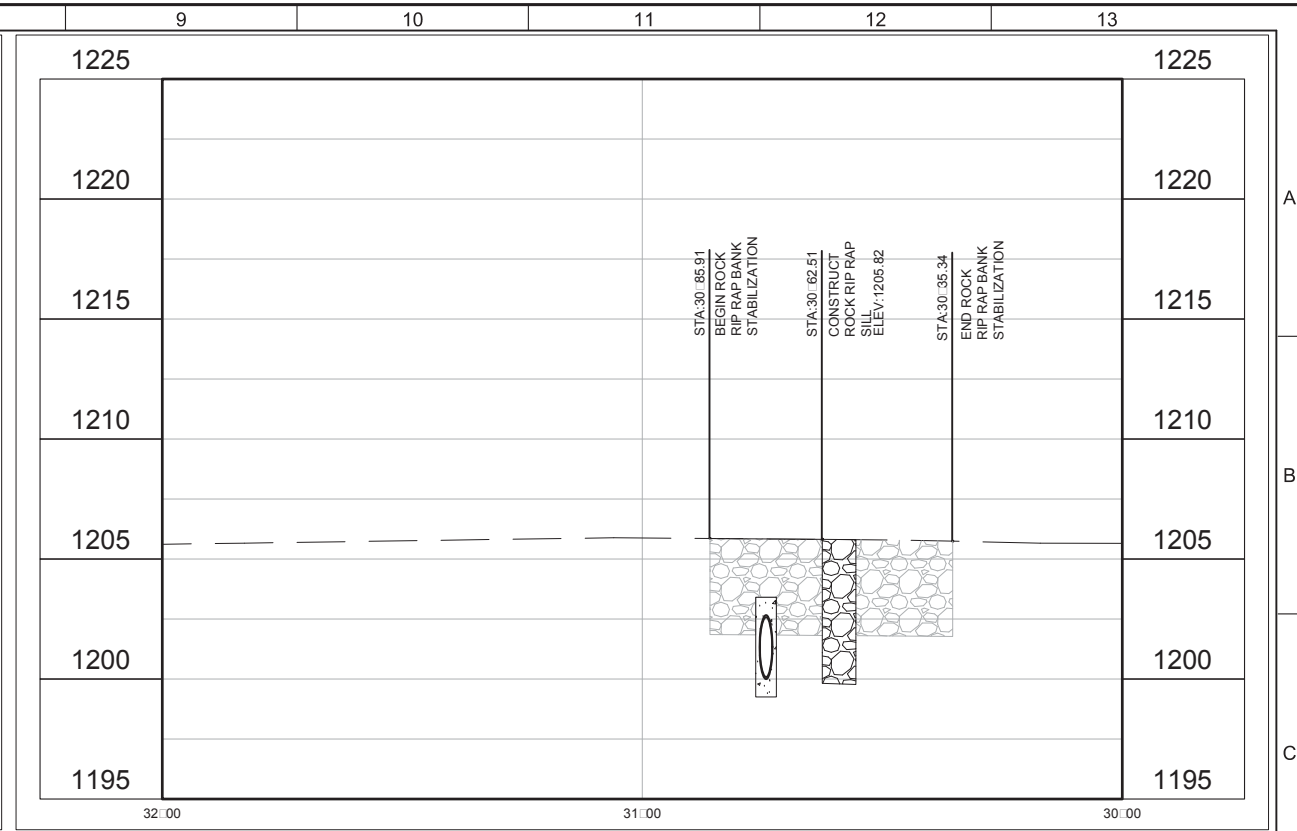
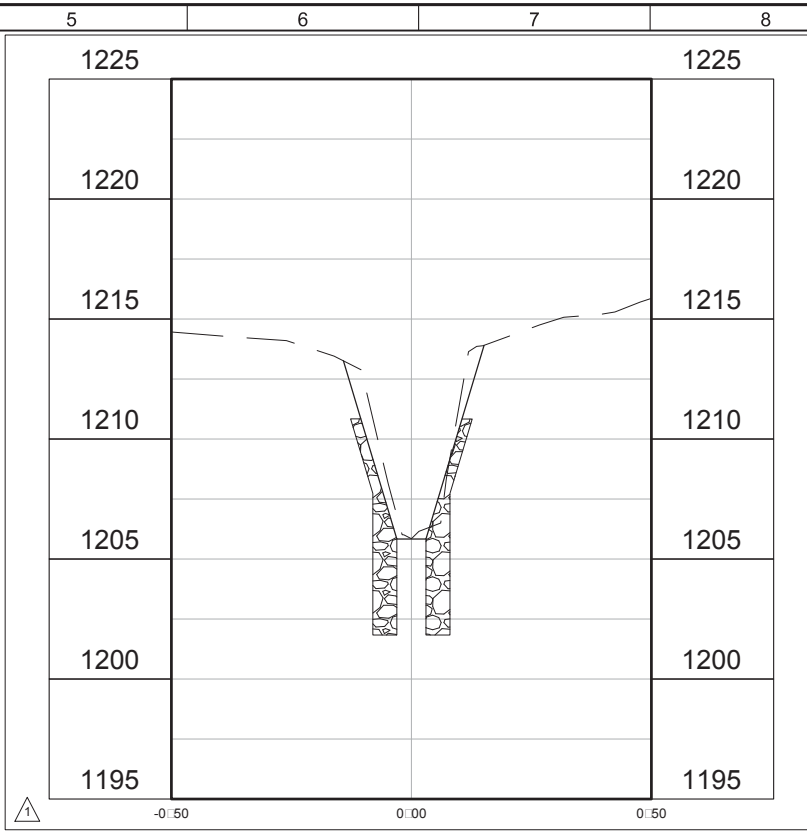
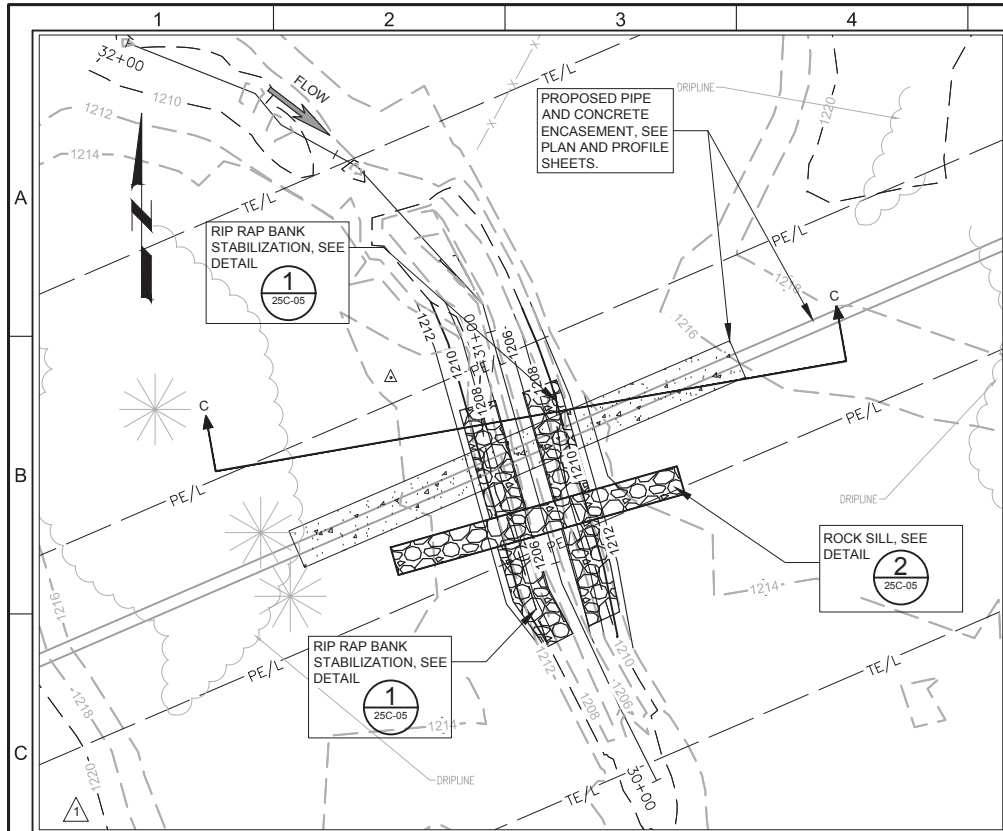
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		DRAWN LEK	DATE OCTOBER 2017
		CHECKED DGL	DATE OCTOBER 2017
		ADDENDUM NO. 2	
REV	DATE	BY	DESCRIPTION
	12/17	LEK	ADDENDUM NO. 2

ORIGINAL SEALED BY
DAVID G. LAMPE
OCTOBER 3, 2017
NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
Civil
STREAM CROSSING AND RESTORATION PLAN

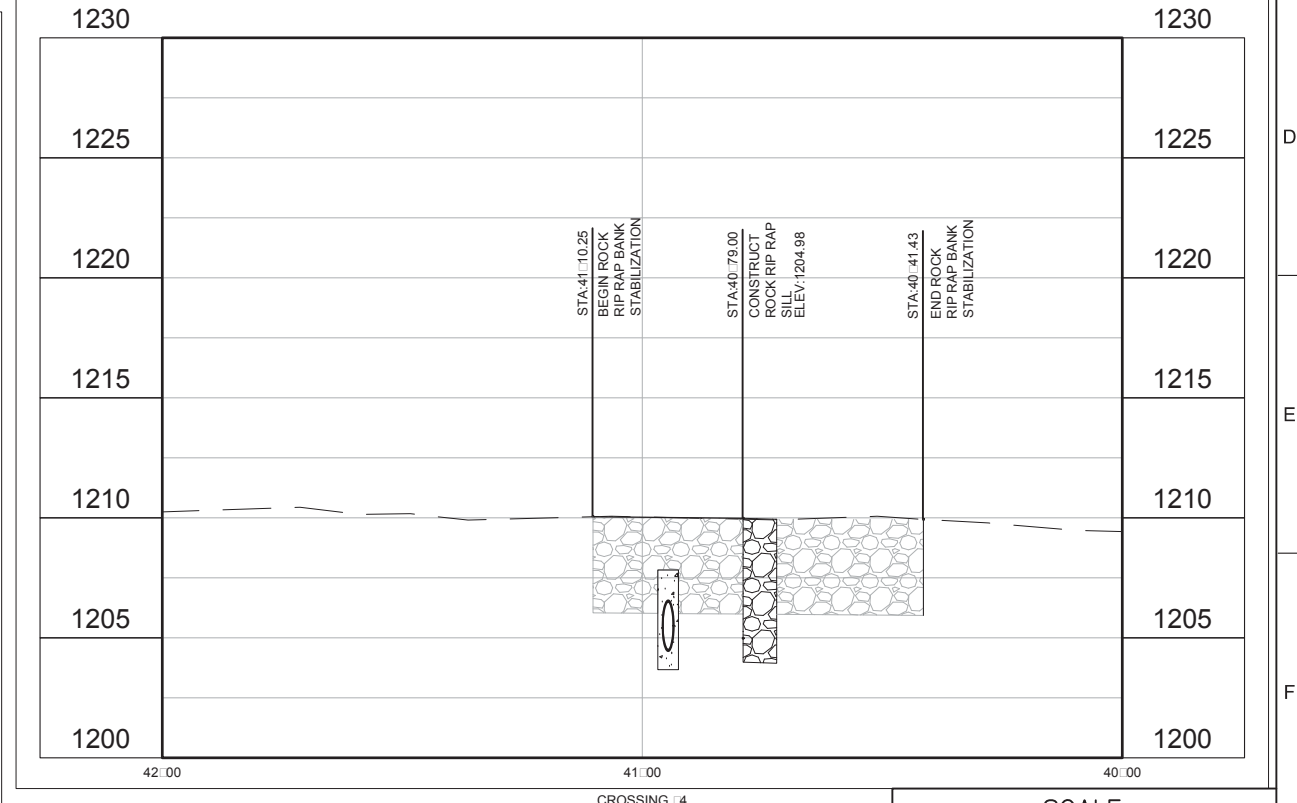
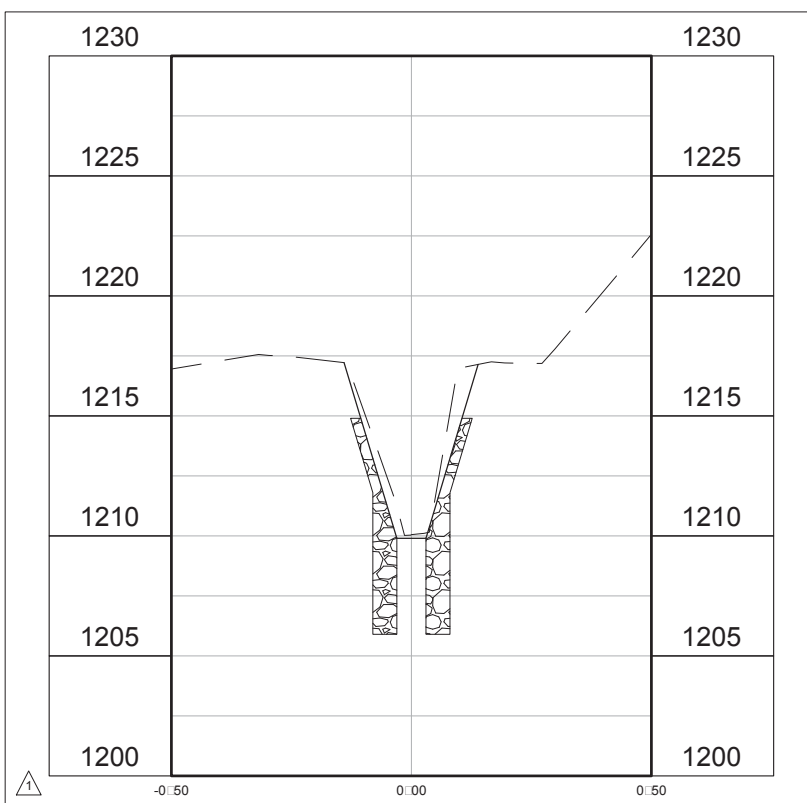
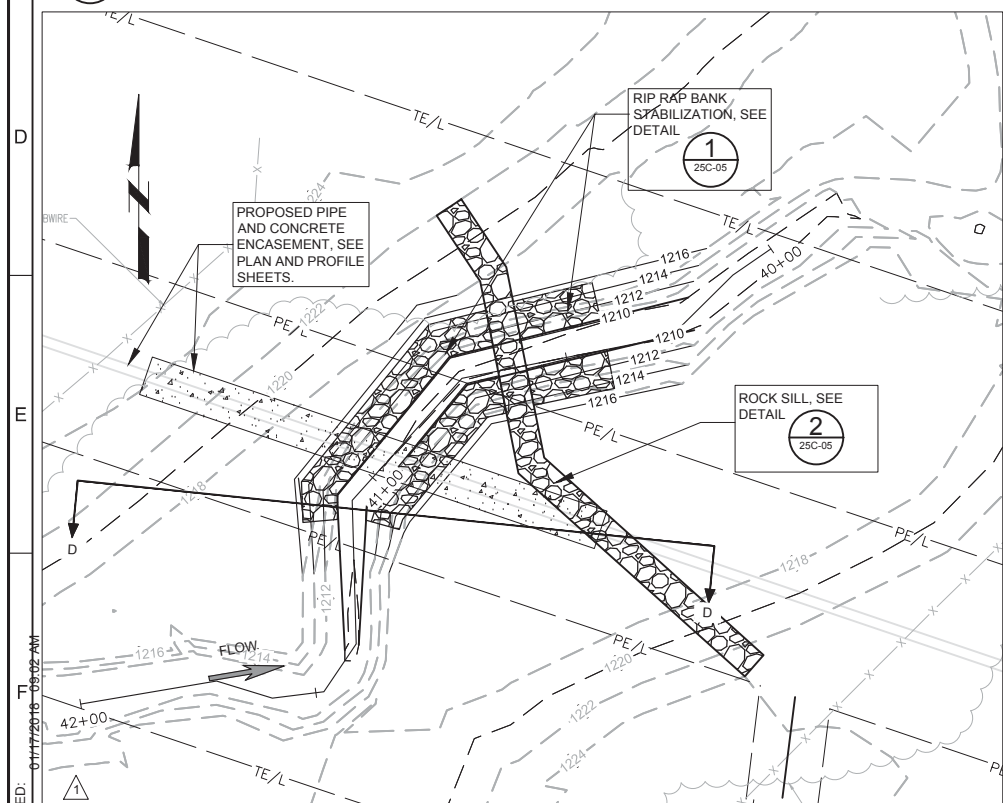
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1 STEVENS CREEK PHASE E-3 CROSSING 3 (SEWER STA. 104 81.97)

SECTION C - C (VIEW LOOKING UPSTREAM)

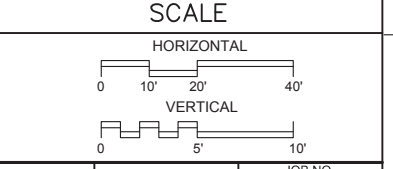
CROSSING 3 CHANNEL PROFILE



2 STEVENS CREEK PHASE E-3 CROSSING 4 (SEWER STA. 112 19.99)

SECTION D - D (VIEW LOOKING UPSTREAM)

CROSSING 4 CHANNEL PROFILE



CONFORMED DRAWINGS		DESIGNED	LEK
REV	DATE	BY	DESCRIPTION
1	12/17	LEK	ADDENDUM NO. 2

DRAWN	LEK
CHECKED	DGL
DATE	OCTOBER 2017

Diggers Hotline Of Nebraska

Statewide (800) 331-5666
Metro Omaha 344-3565

Call Before You Dig... Its The Law

carollo

FELSBURG HOLT & ULLEVIG

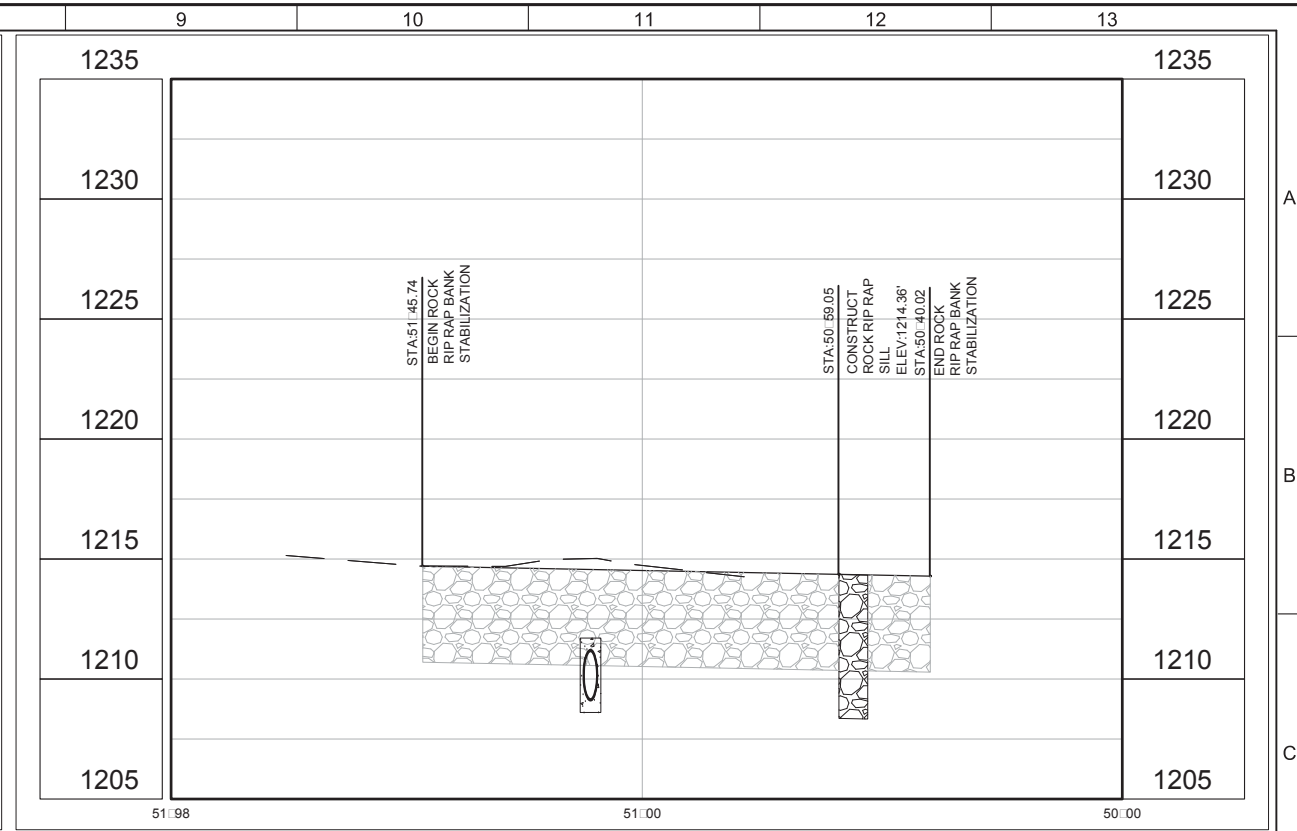
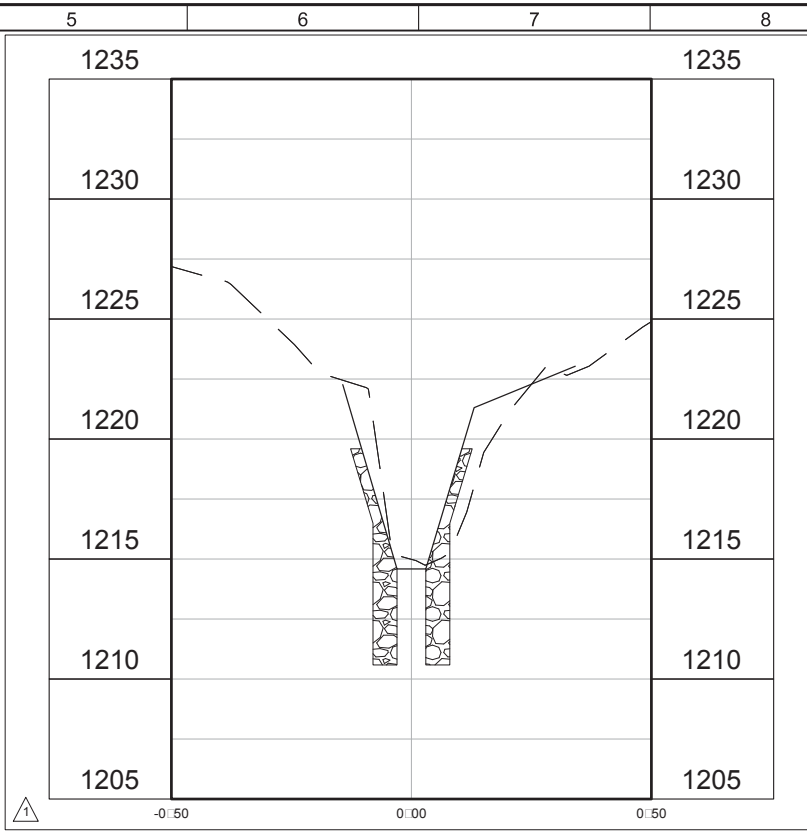
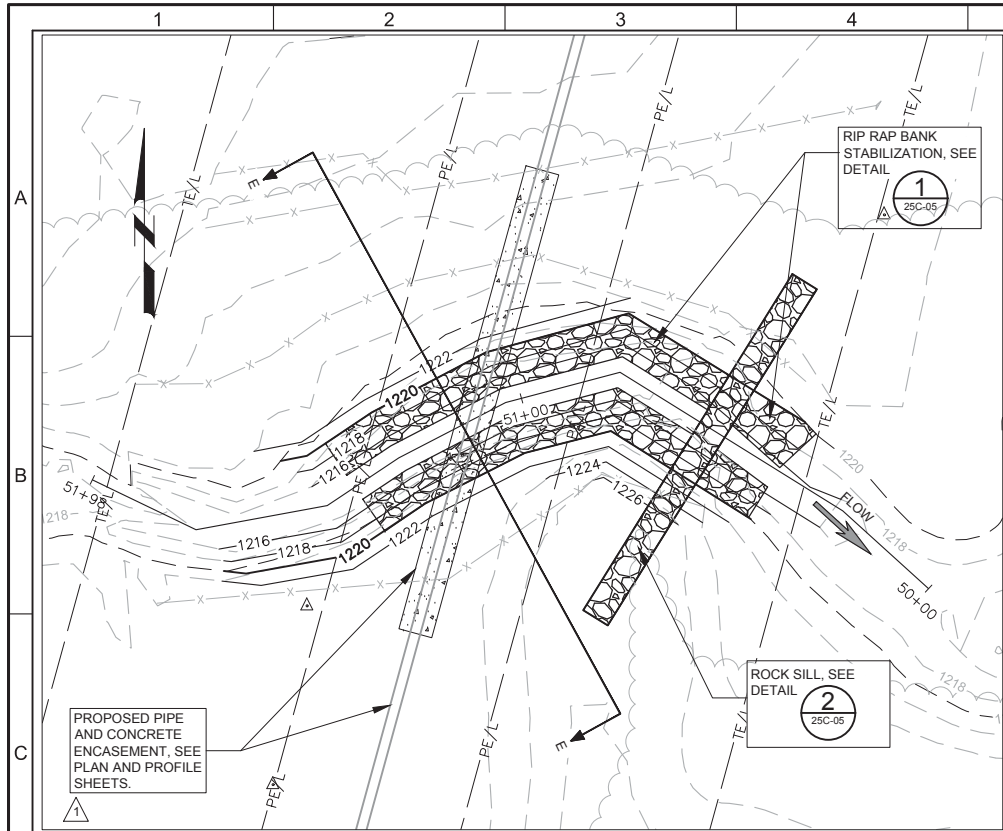
CITY OF LINCOLN, NE

STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT

Civil

STREAM CROSSING AND RESTORATION PLAN

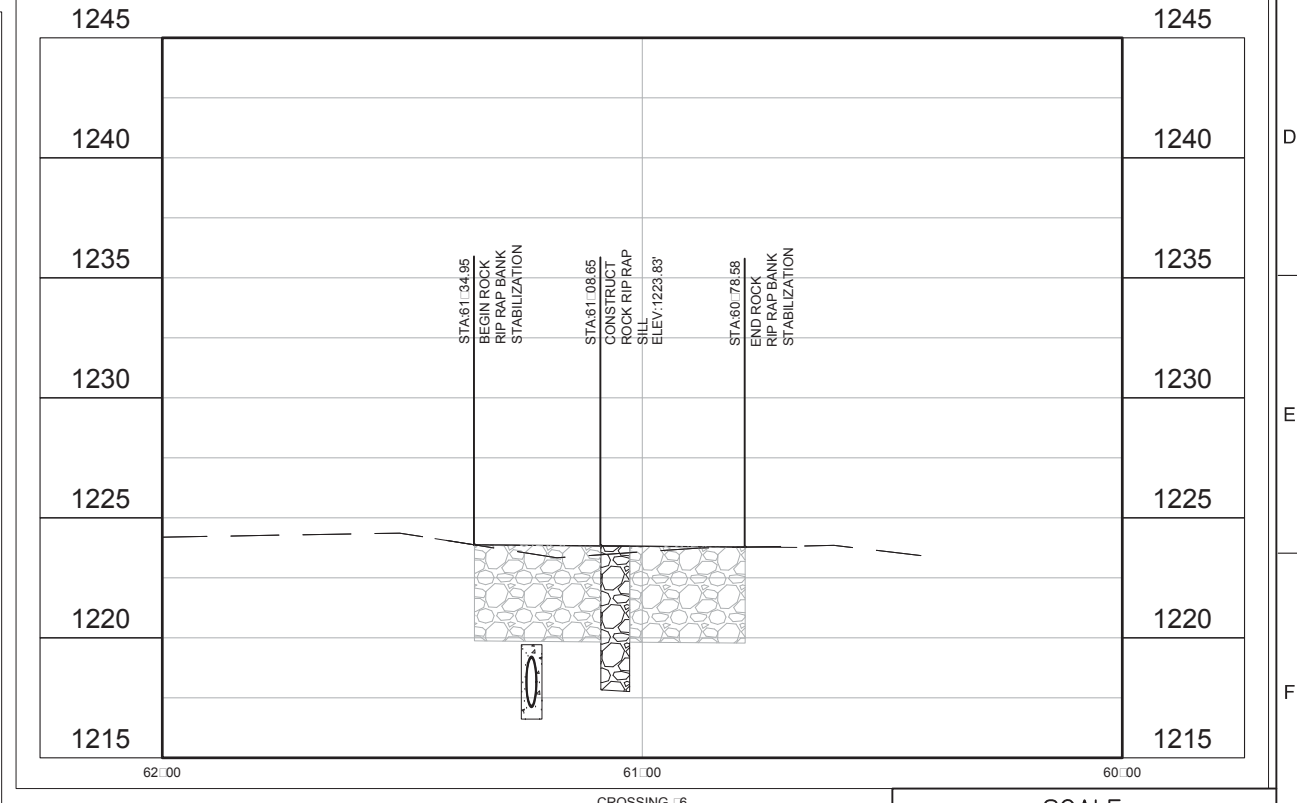
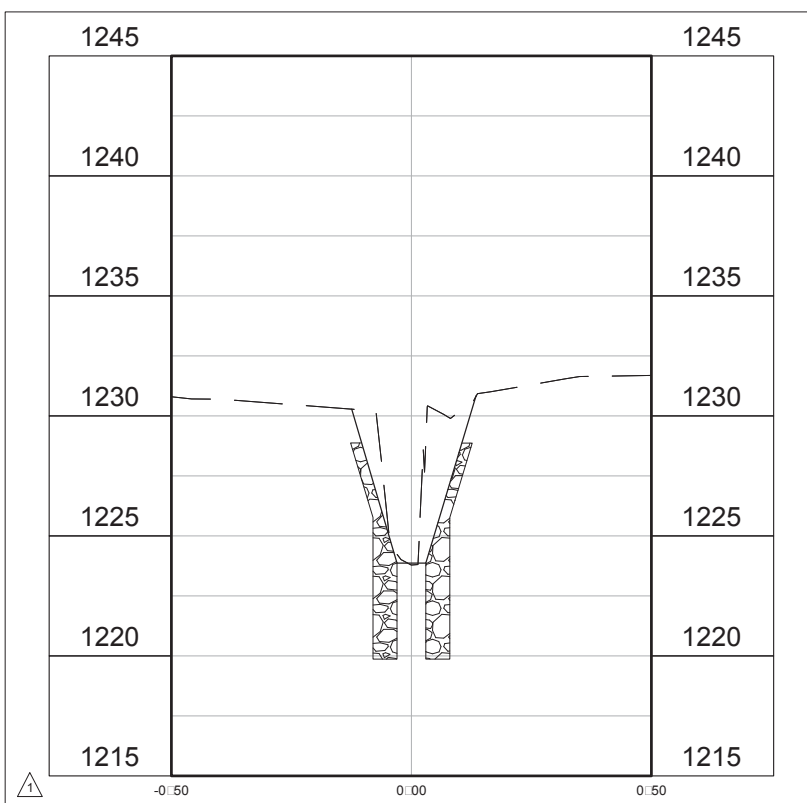
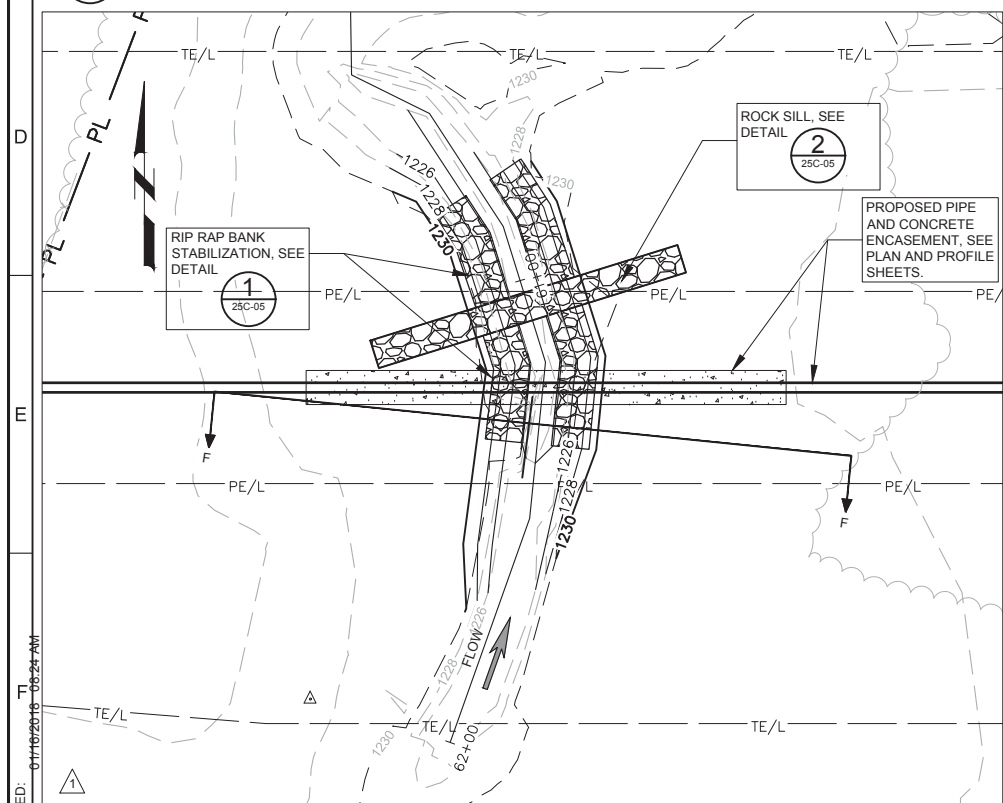
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BAR IS ONE INCH ON ORIGINAL DRAWING	10442A.10
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO.
	25C-03
	SHEET NO.
	42 OF 58



1 STEVENS CREEK SUB-BASIN E-3 CROSSING #5 (SEWER STA. 120+06)
25C-04 1" = 20'

SECTION E - E
(VIEW LOOKING UPSTREAM)

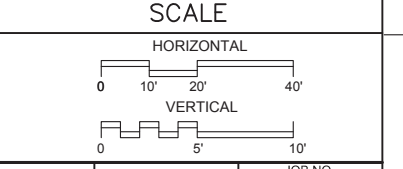
CROSSING #5
CHANNEL PROFILE



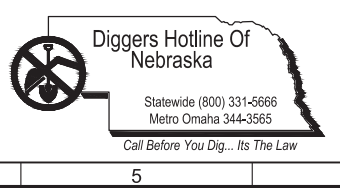
2 STEVENS CREEK SUB-BASIN E-3 CROSSING #6 (SEWER STA. 134+40)
25C-04 1" = 20'

SECTION F - F
(VIEW LOOKING UPSTREAM)

CROSSING #6
CHANNEL PROFILE

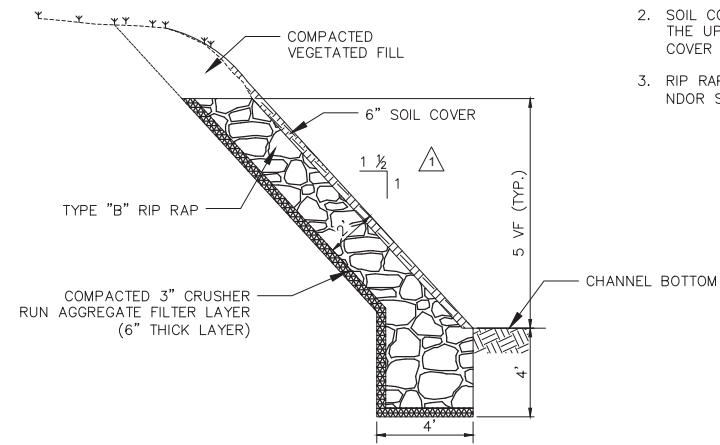


CONFORMED DRAWINGS		DESIGNED LEK	** ORIGINAL SEALED BY DAVID G. LAMPE OCTOBER 3, 2017 NE E-9910 **
		DRAWN LEK	
		CHECKED DGL	
		DATE OCTOBER 2017	
REV	DATE	BY	DESCRIPTION
1	12/17	LEK	ADDENDUM NO. 2



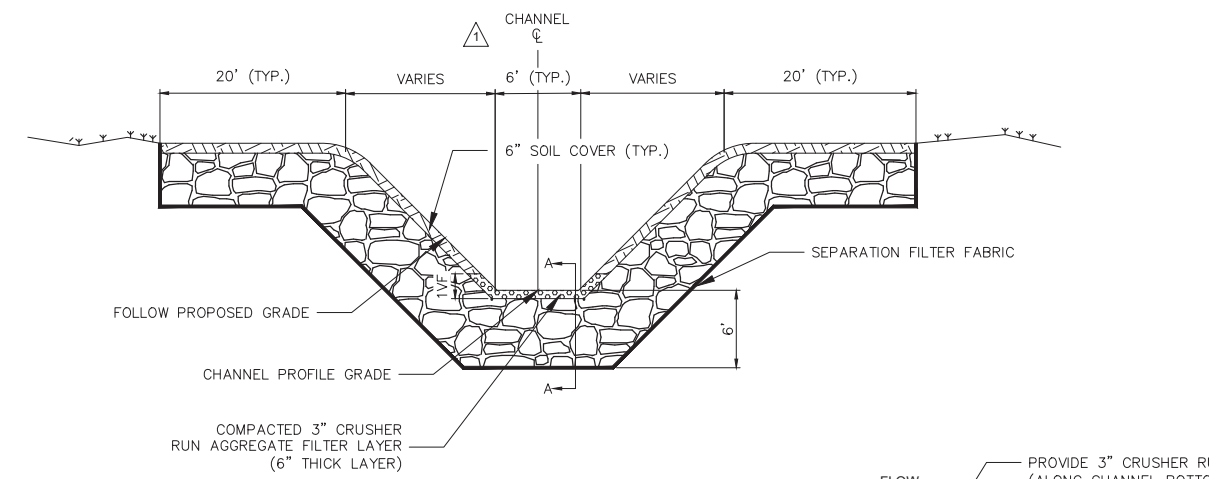
CITY OF LINCOLN, NE
 STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
 Civil
 STREAM CROSSING AND RESTORATION PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 10442A.10 DRAWING NO. 25C-04 SHEET NO. 43 OF 58
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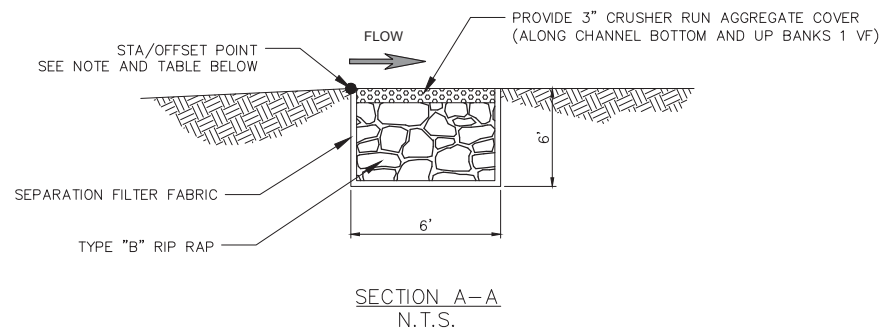


- BANK STABILIZATION NOTES:**
1. SOIL COVER MATERIAL SHALL BE TOPSOIL REMOVED DURING EXCAVATION OR FROM OTHER SOURCE APPROVED BY THE ENGINEER (SOIL COVER SHALL BE INCIDENTAL TO RIP RAP STABILIZATION)
 2. SOIL COVER SHALL BE PLACED SO AS TO INFILL THE UPPER 6 INCHES OF RIP RAP AND PROVIDE COVER OVER RIP RAP (APPROXIMATELY 1 INCH).
 3. RIP RAP SHALL MEET THE CURRENT EDITION OF NDOR SPECIFICATIONS FOR TYPE "___" RIP RAP.

1 TYPICAL RIPRAP BANK STABILIZATION
20C03 NOT TO SCALE



- ROCK SILL NOTES:**
1. SOIL COVER MATERIAL SHALL BE TOPSOIL REMOVED DURING EXCAVATION OR FROM OTHER SOURCE APPROVED BY THE ENGINEER (SOIL COVER SHALL BE INCIDENTAL TO RIP RAP STABILIZATION)
 2. CRUSHER RUN AGGREGATE COVER SHALL BE CRUSHED LIMESTONE MATERIAL OR APPROVED SUBSTITUTE. CRUSHED CONCRETE WILL NOT BE ACCEPTED AS A SUBSTITUTE.
 3. SOIL AND CRUSHER RUN AGGREGATE COVER SHALL BE PLACED SO AS TO INFILL THE UPPER 6 INCHES OF RIP RAP AND PROVIDE COVER OVER RIP RAP (APPROXIMATELY 1 INCH).
 4. RIP RAP SHALL MEET THE CURRENT EDITION OF NDOR SPECIFICATIONS FOR TYPE "___" RIP RAP.
 5. GEOTEXTILE SEPARATION FILTER FABRIC (NON-WOVEN) SHALL BE TREVIRA 1115, MIRAFI 140 N OR S, ADS 420 OR APPROVED EQUIVALENT.



2 ROCK SILL DETAILS
20C03 NOT TO SCALE

ROCK SILL ENDPOINTS/BREAKPOINTS TABLE			
CROSSING NO.	STA.	OFFSET	DESCRIPTION
1	10+71.46	33.04' L	ENDPOINT
1	10+71.46	34.70' R	ENDPOINT
2	20+72.04	34.12' L	ENDPOINT
2	20+69.37	34.42' R	ENDPOINT
3	30+62.51	32.30' L	ENDPOINT
3	30+62.51	29.69' R	ENDPOINT
4	40+78.91	85.32' L	ENDPOINT
4	40+64.50	21.70' L	BREAK POINT
4	40+70.72	34.29' R	ENDPOINT
4	40+64.50	19.08' R	BREAK POINT
5	50+59.10	45.95' L	ENDPOINT
5	50+59.10	36.34' R	ENDPOINT
6	61+08.65	33.50' L	ENDPOINT
6	61+08.65	33.50' R	ENDPOINT

NOTE: STA/OFFSET IS FOR UPSTREAM END OF ROCK SILL

LAST UPDATED: 07/10/2016 08:27 AM
LAST SAVED BY: carollo

CONFORMED DRAWINGS			
REV	DATE	BY	DESCRIPTION
1	11/17	LEK	ADDENDUM NO. 1

DESIGNED
LEK
DRAWN
LEK
CHECKED
DGL
DATE
OCTOBER 2017

** ORIGINAL SEALED BY DAVID G. LAMPE OCTOBER 3, 2017 NE E-9910 **



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
Civil
STREAM CROSSING AND RESTORATION DETAILS

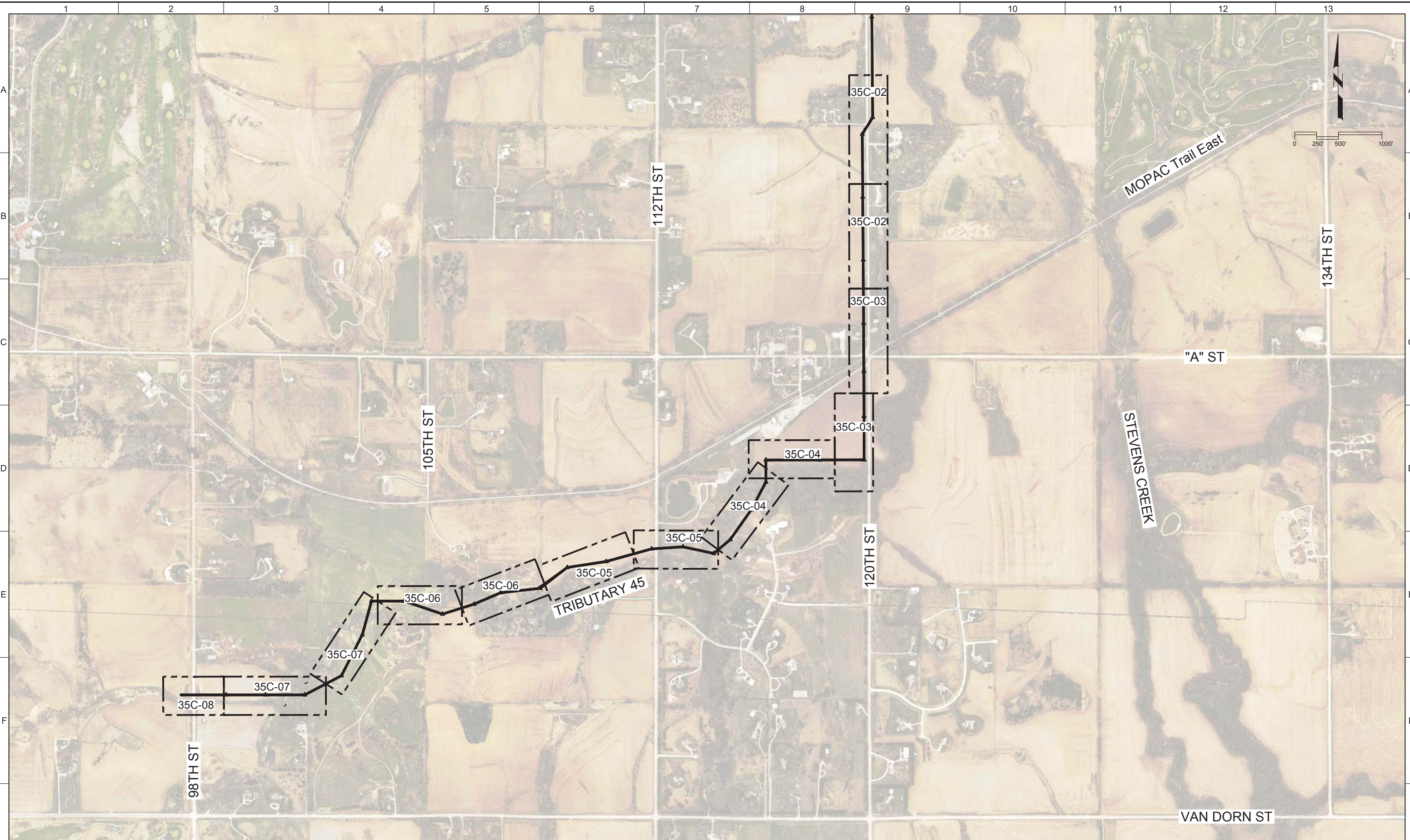
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Plot Date: 1/16/2018 10:35:51 AM

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PROJECT NO. 10442A.10

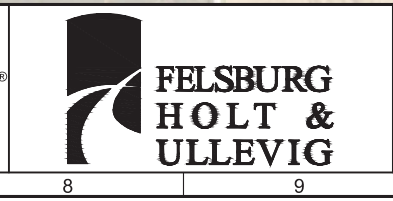
LAST SAVED BY: Laura Krapp



REV	DATE	BY	DESCRIPTION
1			
2			

DESIGNED LEK
DRAWN LEK
CHECKED DGL
DATE OCTOBER 2017

** ORIGINAL SEALED BY DAVID G. LAMPE OCTOBER 3, 2017 NE E-9910 **



CITY OF LINCOLN, NE
 STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
 CIVIL
 SWPPP SHEET LAYOUT

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

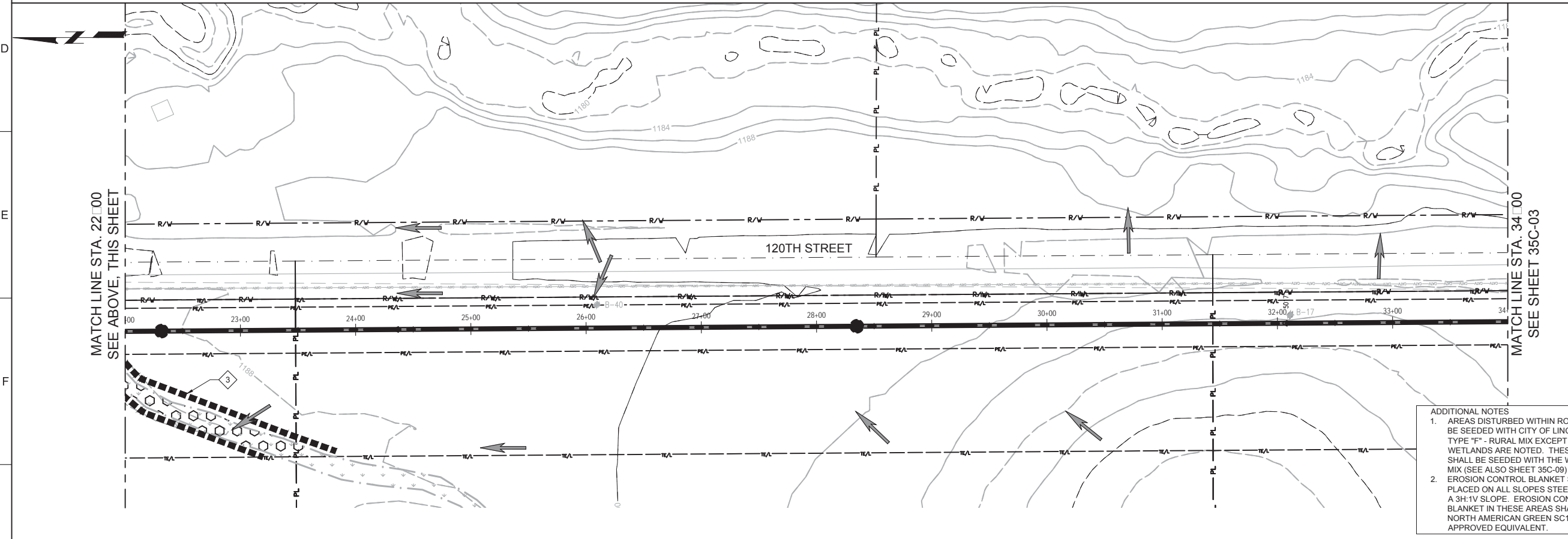
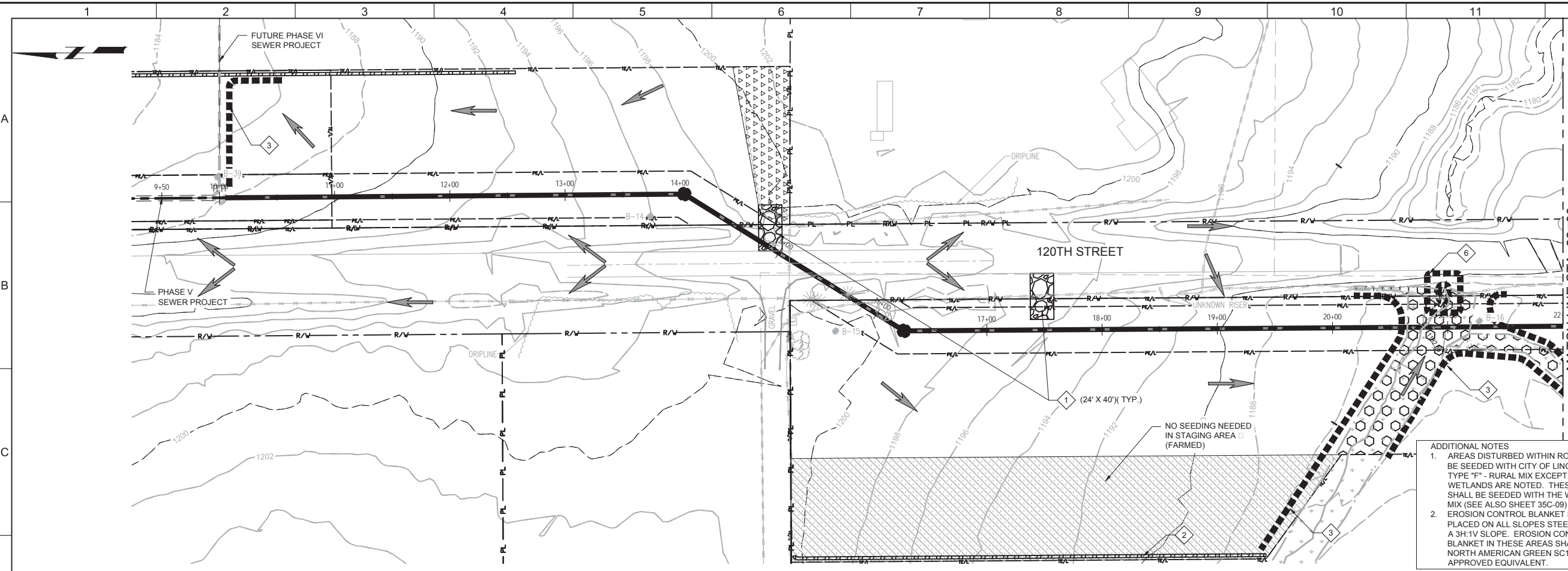
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 DRAWING NO. 35C-01
 SHEET NO. 45 OF 58

Plot Date: 1/16/2018 1:30:20 PM

FILE NAME: 10442A1035C02E3.dwg

PROJECT NO. 10442A.10

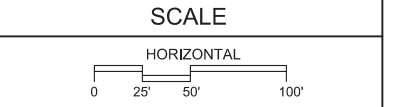
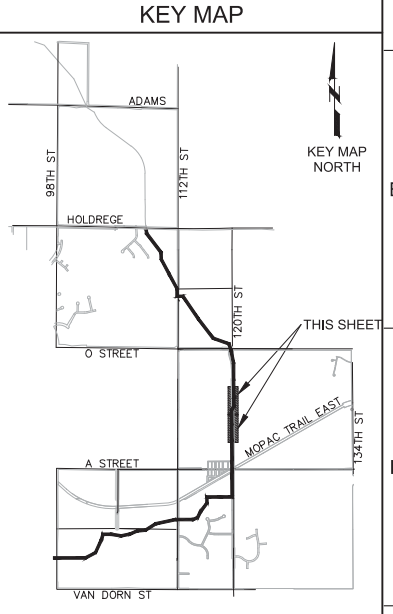
LAST SAVED BY: Laura Krapp



- ### GENERAL NOTES
1. STAGING AREA INCLUDES LOCATION OF JOB TRAILER, PORTABLE SOLID WASTE FACILITIES, AND EQUIPMENT FUELING STORAGE WITH SECONDARY CONTAINMENT.
 2. CONTRACTOR SHALL LOCATE CONCRETE WASHOUTS AS NEEDED TO COMPLETE WORK AND SHALL MARK LOCATIONS ON SWPPP RETAINED ON SITE.
 3. CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, WETLANDS, VEGETATION, TREES, AND CROP LANDS, WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.

- ### LEGEND
- TREE LINE
 - WETLAND
 - CHANNEL
 - 1166 EXISTING CONTOUR
 - CONSTRUCTION ENTRANCE
 - STAGING AREA
 - EARTHEN BERM
 - SEDIMENT FENCE
 - STRAW WATTLE
 - FLOODPLAIN SEED MIX
 - WETLAND/CHANNEL SEED MIX
 - FESCUE SEED MIX
 - FLOW DIRECTION ARROW

- ### KEY NOTES
1. INSTALL CONSTRUCTION ENTRANCE PER LSP 176
 2. INSTALL EARTHEN BERM PER DETAIL 1 ON SHEET 30C-06
 3. INSTALL SEDIMENT FENCE PER LSP 175
 4. INSTALL WATTLE DITCH CHECK.
 5. INSTALL INLET PROTECTION TYPE III PER LSP 178.
 6. INSTALL DOUBLE ROW INLET PROTECTION.



- ### ADDITIONAL NOTES
1. AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "F" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
 2. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES STEEPER THAN A 3H:1V SLOPE. EROSION CONTROL BLANKET IN THESE AREAS SHALL BE NORTH AMERICAN GREEN SC150BN OR APPROVED EQUIVALENT.

- ### ADDITIONAL NOTES
1. AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "F" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
 2. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES STEEPER THAN A 3H:1V SLOPE. EROSION CONTROL BLANKET IN THESE AREAS SHALL BE NORTH AMERICAN GREEN SC150BN OR APPROVED EQUIVALENT.

CONFORMED DRAWINGS		DESIGNED	DATE
1		LEK	OCT 2017
2		DRAWN	
3		LEK	
4		CHECKED	
5		DGL	
6		DATE	
7		OCT 2017	

ORIGINAL SEALED BY
DAVID G. LAMPE
OCTOBER 3, 2017
NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
CIVIL
STORMWATER POLLUTION PREVENTION PLAN
STA. 10+00 TO 34+00

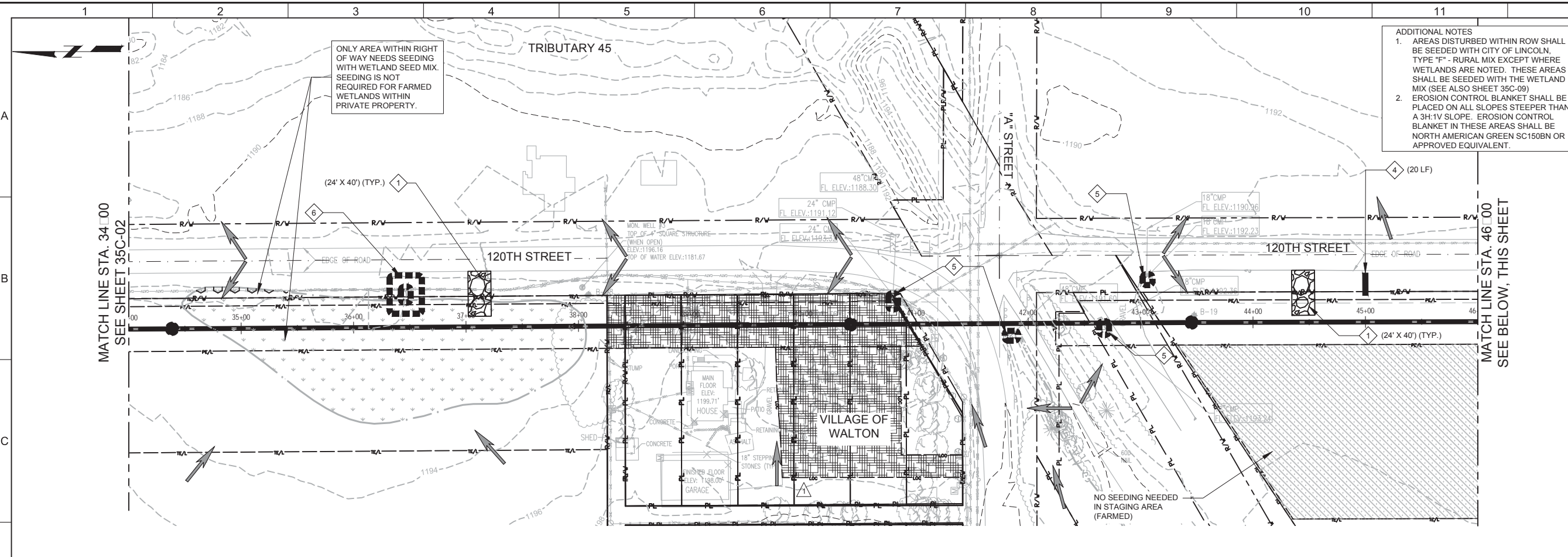
VERIFY SCALES	JOB NO.
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0 1"	DRAWING NO.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	35C-02
	SHEET NO.
	46 OF 58

Plot Date: 1/17/2018 9:58:22 AM

FILE NAME: 10442A1035C08E3.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



MATCH LINE STA. 34+00
SEE SHEET 35C-02

MATCH LINE STA. 46+00
SEE BELOW, THIS SHEET

ADDITIONAL NOTES

- AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "F" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
- EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES STEEPER THAN A 3H:1V SLOPE. EROSION CONTROL BLANKET IN THESE AREAS SHALL BE NORTH AMERICAN GREEN SC150BN OR APPROVED EQUIVALENT.

ONLY AREA WITHIN RIGHT OF WAY NEEDS SEEDING WITH WETLAND SEED MIX. SEEDING IS NOT REQUIRED FOR FARMED WETLANDS WITHIN PRIVATE PROPERTY.

GENERAL NOTES

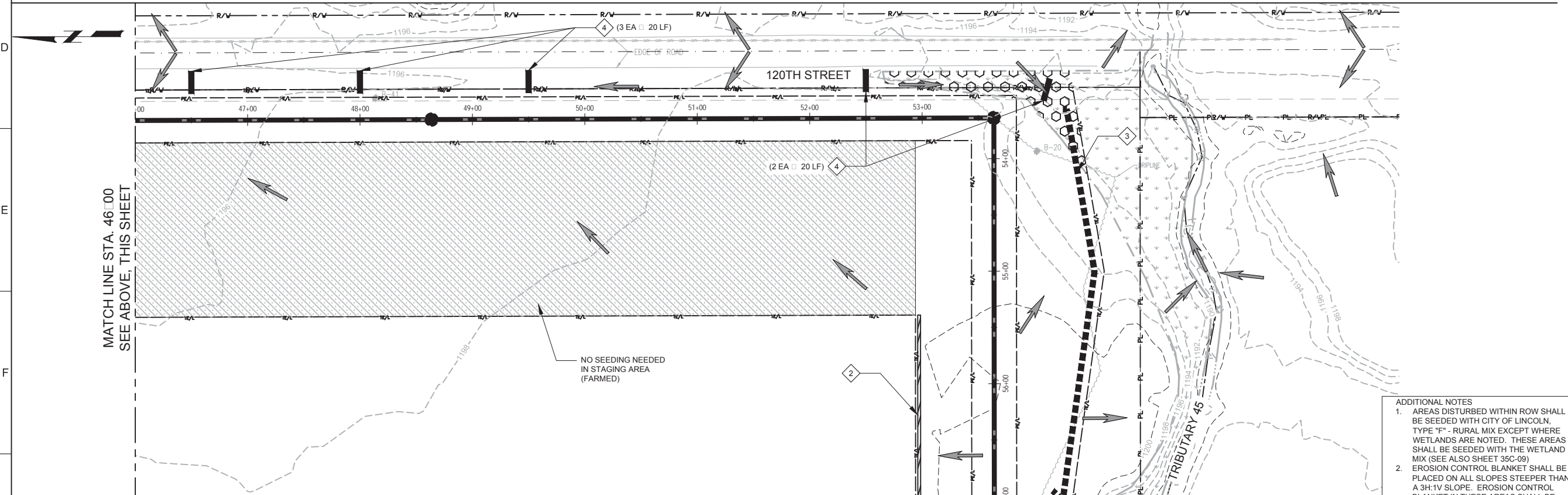
- STAGING AREA INCLUDES LOCATION OF JOB TRAILER, PORTABLE SOLID WASTE FACILITIES, AND EQUIPMENT FUELING STORAGE WITH SECONDARY CONTAINMENT.
- CONTRACTOR SHALL LOCATE CONCRETE WASHOUTS AS NEEDED TO COMPLETE WORK AND SHALL MARK LOCATIONS ON SWPPP RETAINED ON SITE.
- CONTRACTOR SHALL TAKE ALL PRACTICAL PRECAUTIONS TO MINIMIZE DISTURBANCE TO STREAMS, WETLANDS, VEGETATION, TREES, AND CROP LANDS, WHEREVER PRACTICAL LEAVE EXISTING TREES AND VEGETATED AREAS UNDISTURBED.

LEGEND

- TREE LINE
- WETLAND
- CHANNEL
- 1166 EXISTING CONTOUR
- CONSTRUCTION ENTRANCE
- STAGING AREA
- EARTHEN BERM
- SEDIMENT FENCE
- STRAW WATTLE
- FLOODPLAIN SEED MIX
- WETLAND/CHANNEL SEED MIX
- FESCUE SEED MIX
- FLOW DIRECTION ARROW

KEY NOTES

- INSTALL CONSTRUCTION ENTRANCE PER LSP 176
- INSTALL EARTHEN BERM PER DETAIL 1 ON SHEET 30C-06
- INSTALL SEDIMENT FENCE PER LSP 175
- INSTALL WATTLE DITCH CHECK.
- INSTALL INLET PROTECTION TYPE III PER LSP 178.
- INSTALL DOUBLE ROW INLET PROTECTION.



MATCH LINE STA. 46+00
SEE ABOVE, THIS SHEET

MATCH LINE STA. 57+00
SEE SHEET 35C-04

ADDITIONAL NOTES

- AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "F" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
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KEY MAP

SCALE

HORIZONTAL

0 25' 50' 100'

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10442A.10
DRAWING NO. 35C-03
SHEET NO. 47 OF 58

CONFORMED DRAWINGS		DESIGNED	DATE
LEK		LEK	OCT 2017
DRAWN		DGL	
CHECKED		DGL	
DATE			
OCT 2017			

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NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
CIVIL
STORMWATER POLLUTION PREVENTION PLAN
STA. 34+00 TO 57+00

VERIFY SCALES
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

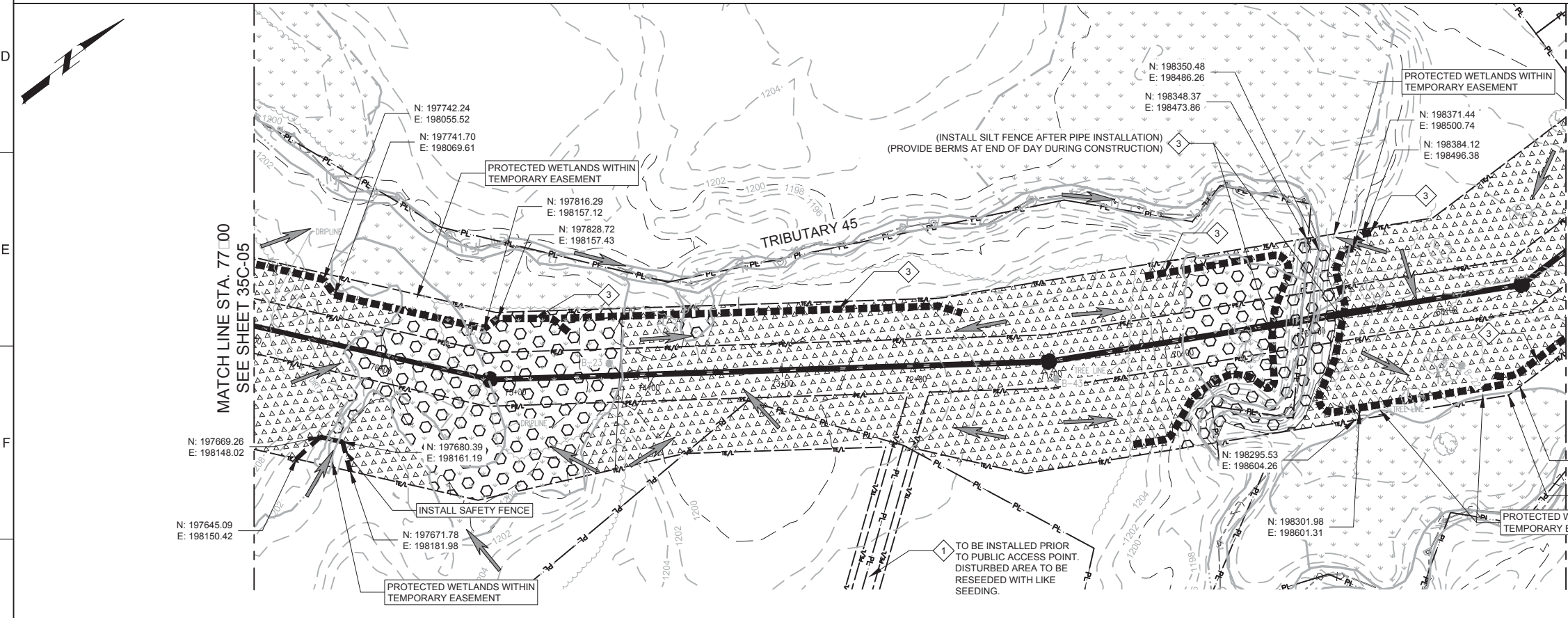
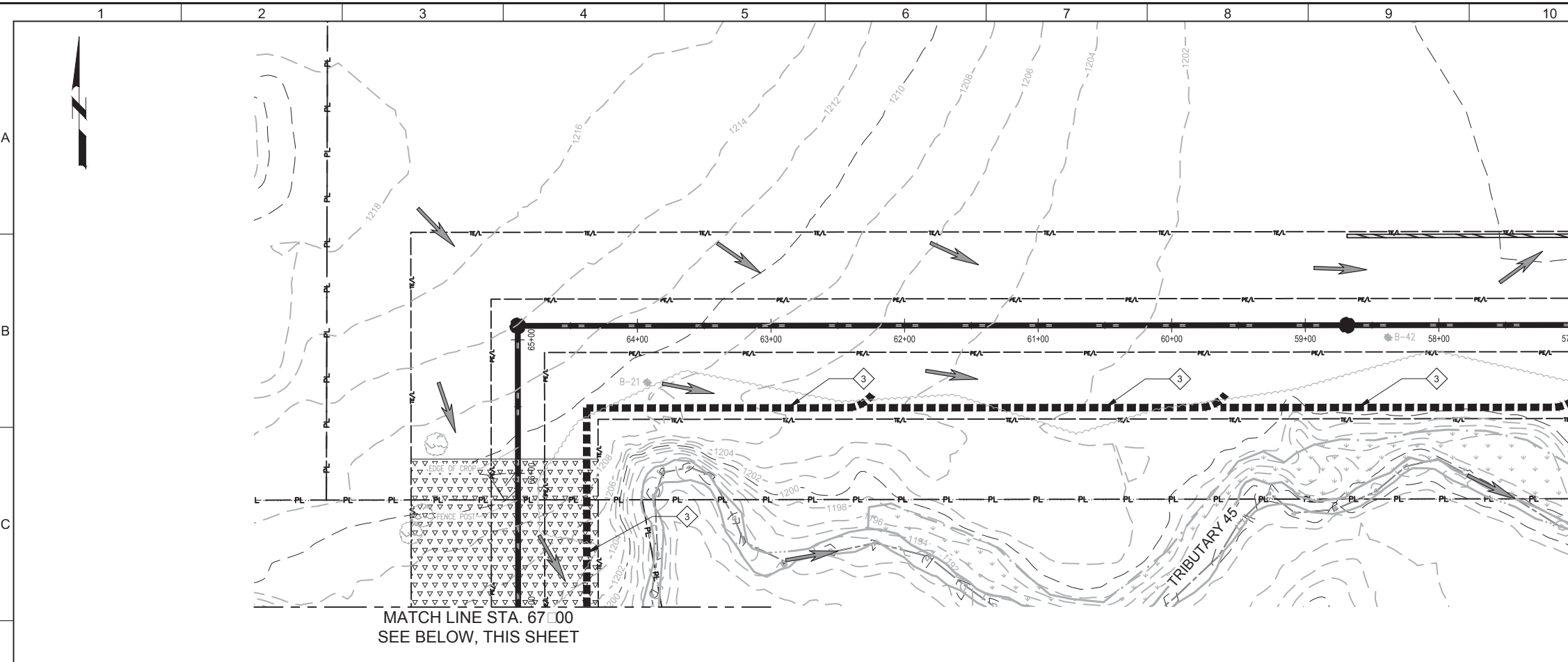
JOB NO. 10442A.10
DRAWING NO. 35C-03
SHEET NO. 47 OF 58

Plot Date: 1/16/2018 1:43:39 PM

FILE NAME: 10442A1035C04E3.dwg

PROJECT NO. 10442A.10

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CONFORMED DRAWINGS		DESIGNED	DATE
1		LEK	OCT 2017
2		LEK	
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DESIGNED
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DRAWN
LEK
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DGL
DATE
OCT 2017

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 CIVIL
 STORMWATER POLLUTION PREVENTION PLAN
 STA. 57+00 TO 77+00

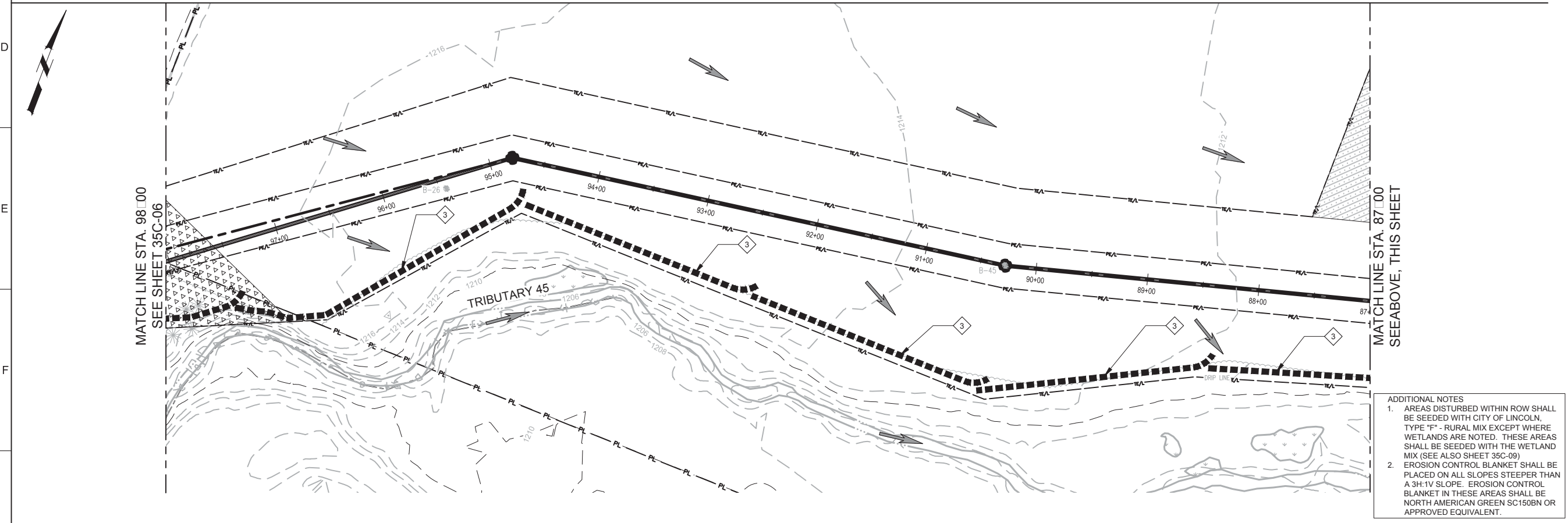
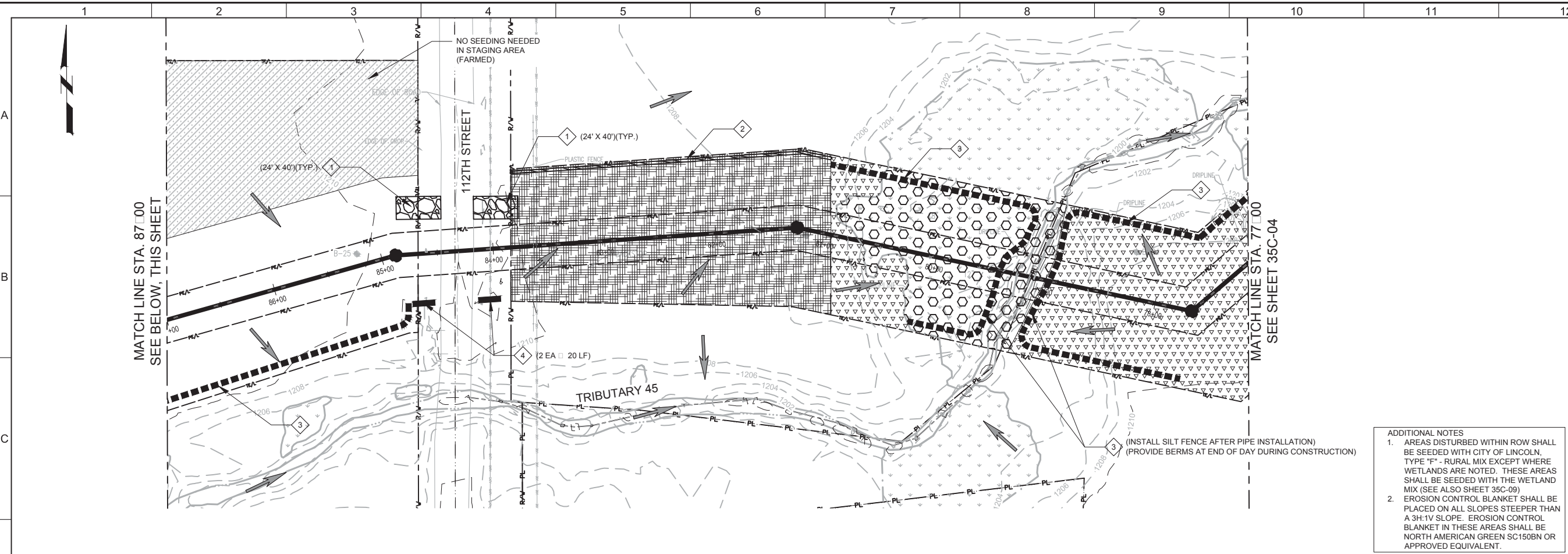
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BAR IS ONE INCH ON ORIGINAL DRAWING	10442A.10
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	35C-04
	SHEET NO.
	48 OF 58

Plot Date: 1/16/2018 1:49:24 PM

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PROJECT NO. 10442A.10

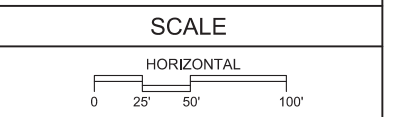
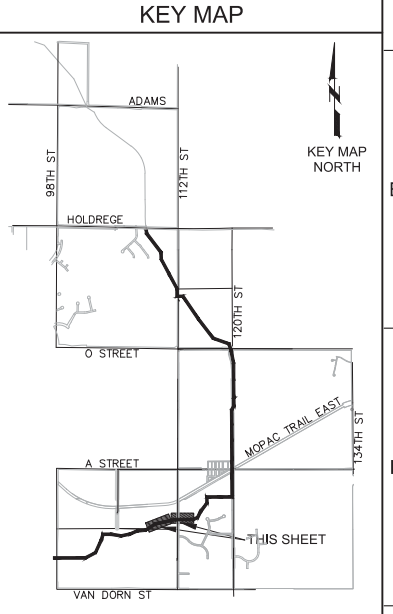
LAST SAVED BY: Laura Krapp



- ### GENERAL NOTES
1. STAGING AREA INCLUDES LOCATION OF JOB TRAILER, PORTABLE SOLID WASTE FACILITIES, AND EQUIPMENT FUELING STORAGE WITH SECONDARY CONTAINMENT.
 2. CONTRACTOR SHALL LOCATE CONCRETE WASHOUTS AS NEEDED TO COMPLETE WORK AND SHALL MARK LOCATIONS ON SWPPP RETAINED ON SITE.
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- ### LEGEND
- TREE LINE
 - WETLAND
 - CHANNEL
 - 1166 EXISTING CONTOUR
 - CONSTRUCTION ENTRANCE
 - STAGING AREA
 - EARTHEN BERM
 - SEDIMENT FENCE
 - STRAW WATTLE
 - FLOODPLAIN SEED MIX
 - WETLAND/CHANNEL SEED MIX
 - FESCUE SEED MIX
 - FLOW DIRECTION ARROW

- ### KEY NOTES
1. INSTALL CONSTRUCTION ENTRANCE PER LSP 176
 2. INSTALL EARTHEN BERM PER DETAIL 1 ON SHEET 30C-06
 3. INSTALL SEDIMENT FENCE PER LSP 175
 4. INSTALL WATTLE DITCH CHECK.
 5. INSTALL INLET PROTECTION TYPE III PER LSP 178.
 6. INSTALL DOUBLE ROW INLET PROTECTION.

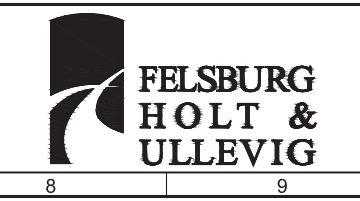


- ### ADDITIONAL NOTES
1. AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "F" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
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CONFORMED DRAWINGS		DESIGNED	DATE
LEK		LEK	11/17
DRAWN		LEK	
CHECKED		DGL	
DATE			OCT 2017

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OCTOBER 3, 2017
NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
CIVIL
STORMWATER POLLUTION PREVENTION
STA. 77+00 TO 98+00

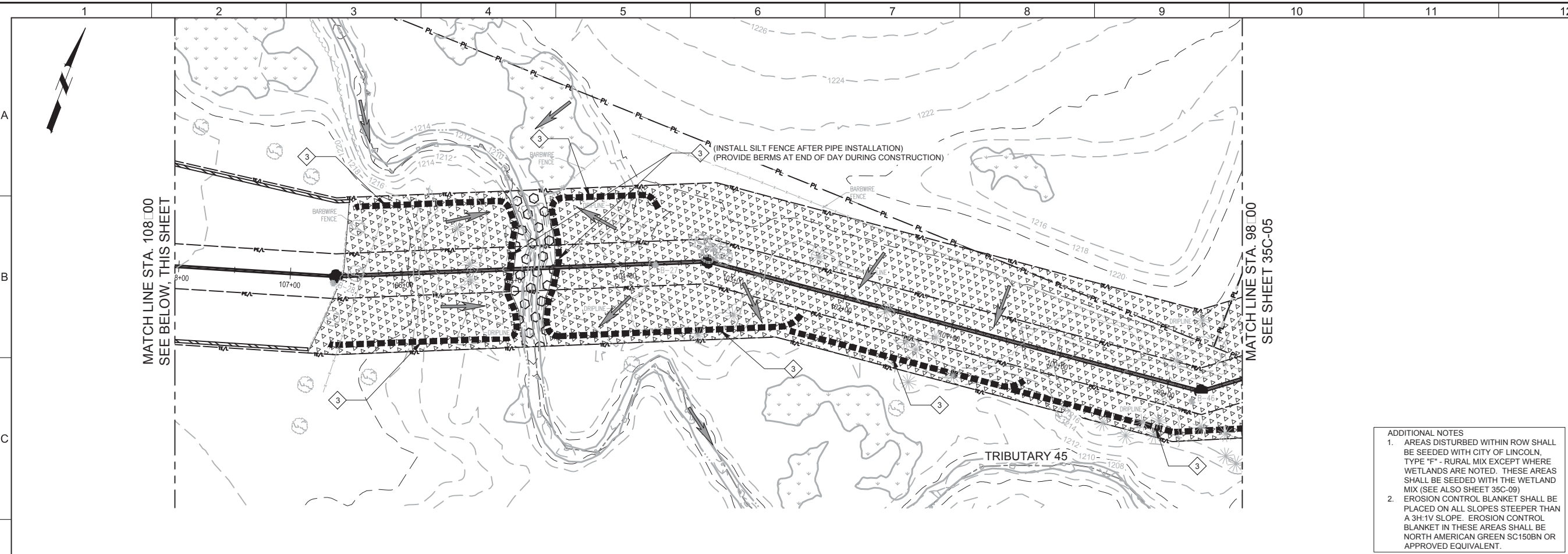
VERIFY SCALES	JOB NO.
BAR IS ONE INCH ON ORIGINAL DRAWING	10442A.10
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	35C-05
	SHEET NO.
	49 OF 58

Plot Date: 1/16/2018 1:56:42 PM

FILE NAME: 10442A1035C08E3.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



MATCH LINE STA. 108+00
SEE BELOW, THIS SHEET

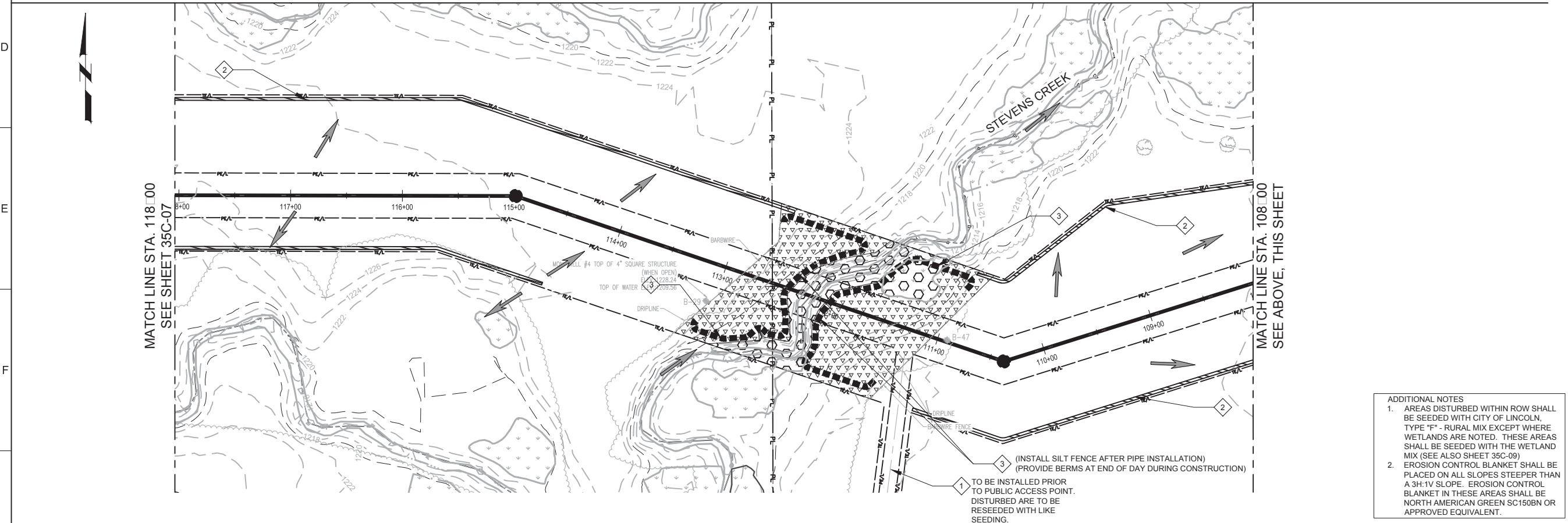
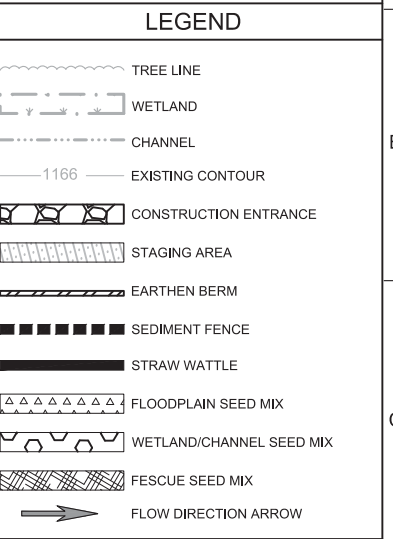
MATCH LINE STA. 98+00
SEE SHEET 35C-05

ADDITIONAL NOTES

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MATCH LINE STA. 118+00
SEE SHEET 35C-07

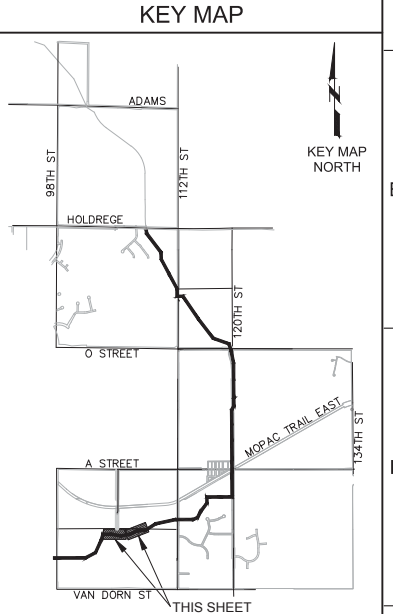
MATCH LINE STA. 108+00
SEE ABOVE, THIS SHEET

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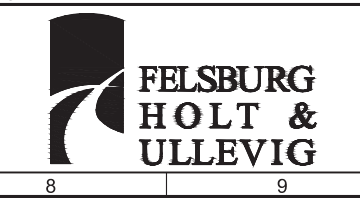
KEY MAP

KEY MAP NORTH



CONFORMED DRAWINGS		DESIGNED	LEK
REV	DATE	BY	DESCRIPTION
1	11/17	LEK	ADDENDUM NO. 2

ORIGINAL SEALED BY
DAVID G. LAMPE
OCTOBER 3, 2017
NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
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STA. 98+00 TO 118+00

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

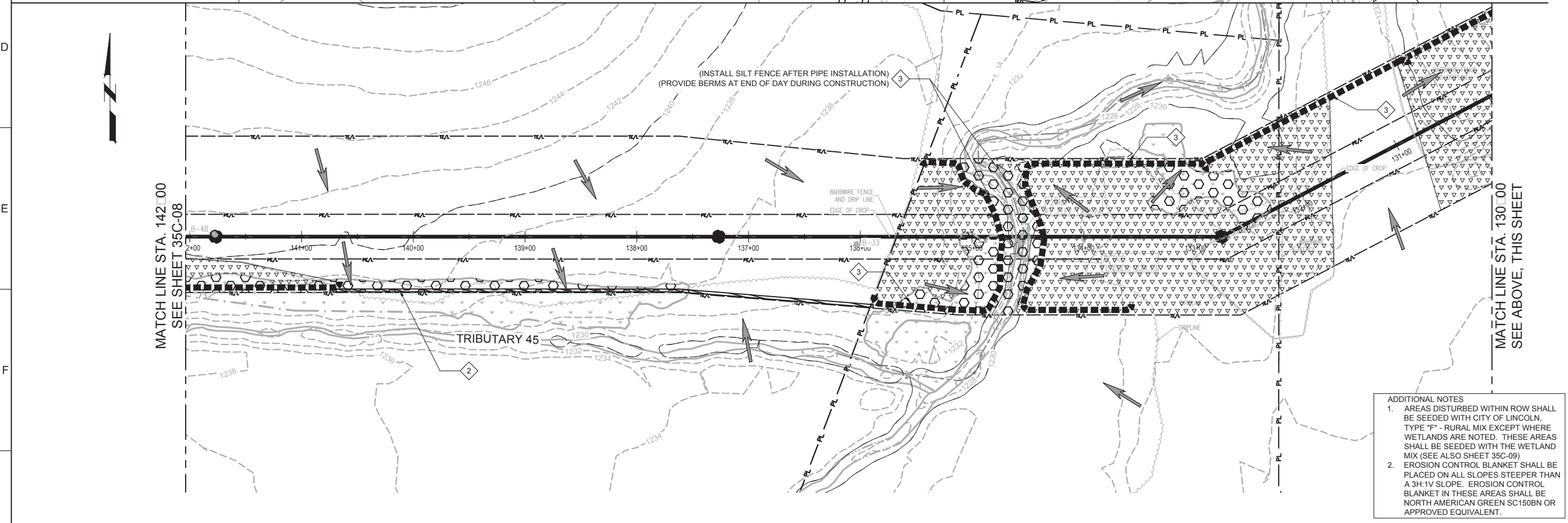
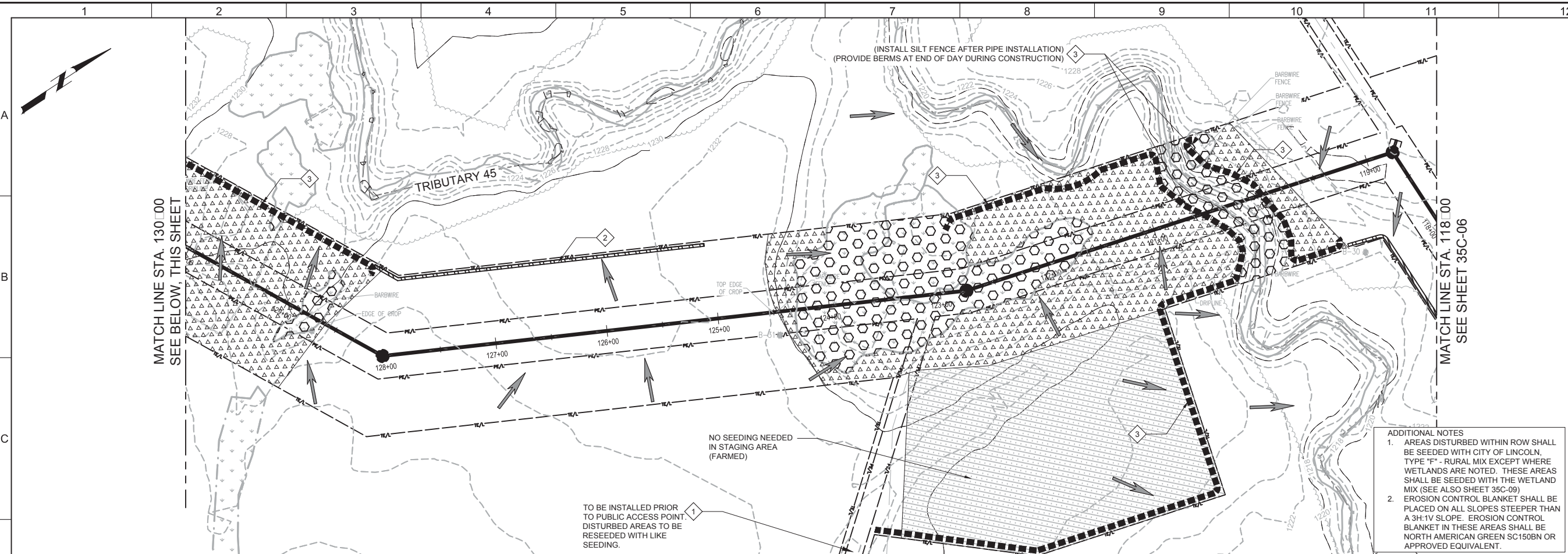
JOB NO.
10442A.10
DRAWING NO.
35C-06
SHEET NO.
50 OF 58

Plot Date: 1/16/2018 2:05:01 PM

FILE NAME: 10442A1035C07E3.dwg

PROJECT NO. 10442A.10

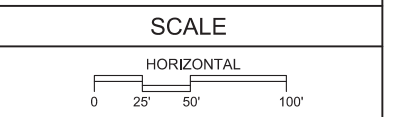
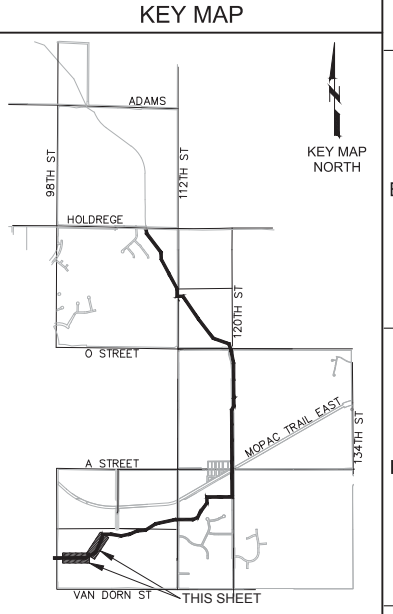
LAST SAVED BY: Laura Krapp



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 3. INSTALL SEDIMENT FENCE PER LSP 175
 4. INSTALL WATTLE DITCH CHECK.
 5. INSTALL INLET PROTECTION TYPE III PER LSP 178.
 6. INSTALL DOUBLE ROW INLET PROTECTION.



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CONFORMED DRAWINGS		DESIGNED	LEK
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CIVIL

STORMWATER POLLUTION PREVENTION PLAN
STA. 118+00 TO 142+00

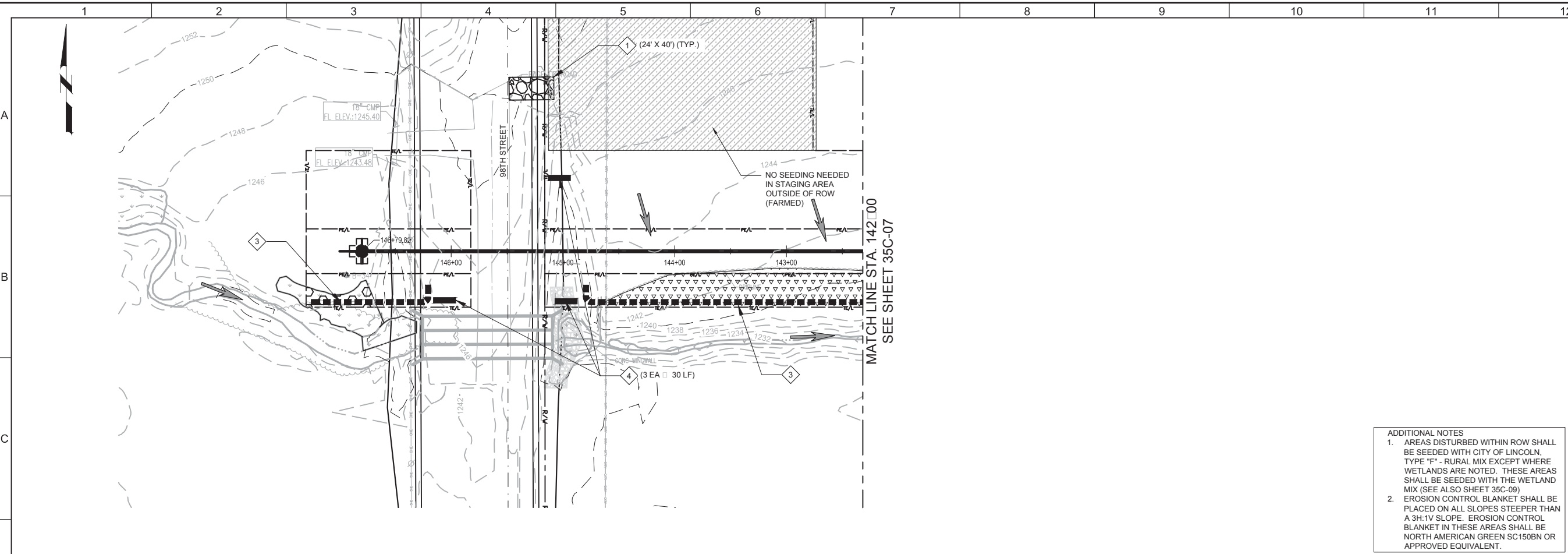
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BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 35C-07
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NO. 51 OF 58

Plot Date: 1/16/2018 2:14:56 PM

FILE NAME: 10442A1035C08E3.dwg

PROJECT NO. 10442A.10

LAST SAVED BY: Laura Krapp



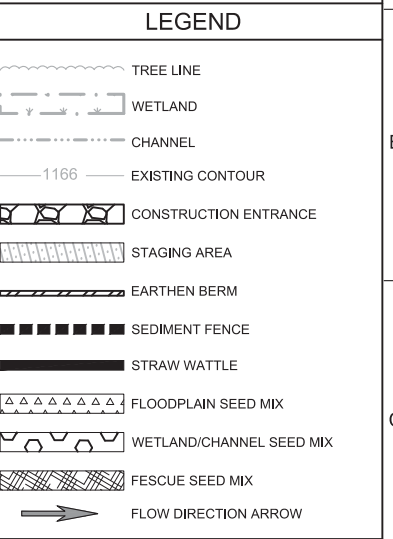
MATCH LINE STA. 142.00
SEE SHEET 35C-07

ADDITIONAL NOTES

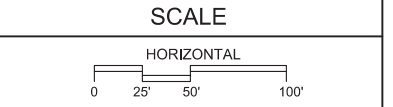
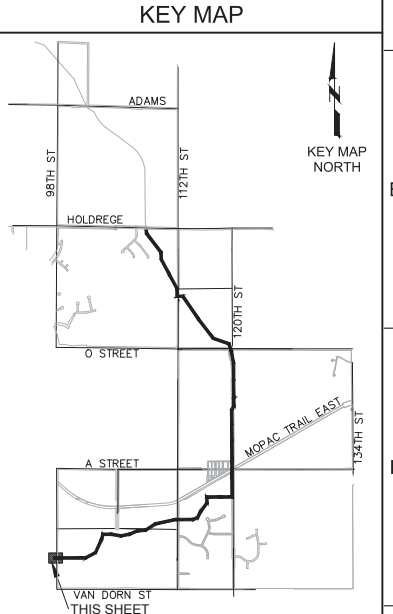
- AREAS DISTURBED WITHIN ROW SHALL BE SEEDDED WITH CITY OF LINCOLN, TYPE "P" - RURAL MIX EXCEPT WHERE WETLANDS ARE NOTED. THESE AREAS SHALL BE SEEDDED WITH THE WETLAND MIX (SEE ALSO SHEET 35C-09)
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- KEY NOTES**
- INSTALL CONSTRUCTION ENTRANCE PER LSP 176
 - INSTALL EARTHEN BERM PER DETAIL 1 ON SHEET 30C-06
 - INSTALL SEDIMENT FENCE PER LSP 175
 - INSTALL WATTLE DITCH CHECK.
 - INSTALL INLET PROTECTION TYPE III PER LSP 178.
 - INSTALL DOUBLE ROW INLET PROTECTION.



CONFORMED DRAWINGS			
DESIGNED	LEK		
DRAWN	LEK		
CHECKED	DGL		
DATE	OCT 2017		
REV	DATE	BY	DESCRIPTION
	11/17	LEK	ADDENDUM NO. 2

ORIGINAL SEALED BY
DAVID G. LAMPE
OCTOBER 3, 2017
NE E-9910



CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
CIVIL
STORMWATER POLLUTION PREVENTION PLAN
STA. 142+00 TO 146+79.82

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING	JOB NO. 10442A.10
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 35C-08
	SHEET NO. 52 OF 58

GENERAL NOTES

1. ANY TOPSOIL REMOVED FROM WETLAND OR FARMLAND MUST BE STOCKPILED AND RETURNED IN PLACE AFTER CONSTRUCTION. SEE PROJECT SPECIFICATIONS FOR MORE DETAILS.
2. ALL OPERATORS/CONTRACTORS MUST CONFIRM WITH THE APPLICANT THAT ANY AND ALL APPLICABLE GOVERNMENT APPROVALS HAVE BEEN RECEIVED PRIOR TO THE START OF WORK.
3. POTENTIAL SOURCES OF POLLUTION THAT MIGHT AFFECT THE QUALITY OF STORMWATER DISCHARGE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: SEDIMENT RUNOFF FROM EARTHWORK AND EXCAVATION, CONCRETE WASHOUT AND SAWCUTTING (PH) ASSOCIATED WITH PAVING, PETROLEUM PRODUCTIONS FROM CONSTRUCTION EQUIPMENT, FERTILIZER (NUTRIENTS), LITTER, AND DEBRIS.
4. CONTRACTOR SHALL PROTECT EXISTING AND PROPOSED INLETS AND MANHOLES FROM CONSTRUCTION RELATED POLLUTANTS THROUGH THE USE OF BEST MANAGEMENT PRACTICES (BMPs). BMPs MAY NOT BE REMOVED WITHOUT INSPECTOR AND APPLICABLE GOVERNMENT APPROVAL.
5. WASTE OR CONSTRUCTION MATERIALS EXPECTED TO BE STORED ONSITE MAY INCLUDE PIPE, PRECAST MANHOLE AND INLET SECTIONS, BROKEN-UP CONCRETE, CONCRETE WASTE, FORMS, PAVEMENT CURING COMPOUNDS AND CONTAINERS, FUEL AND OTHER MISCELLANEOUS CONSTRUCTION MATERIALS.
6. WASTE AND CONSTRUCTION MATERIALS SHOULD BE STORED AWAY FROM DRAINAGE INLETS TO THE EXTENT POSSIBLE.
7. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE BOUNDARIES, THE OFFSITE ACCUMULATION MUST BE REMOVED PROMPTLY AND EROSION CONTROL MEASURES FOR THAT PORTION OF THE PROJECT MUST BE REVIEWED. ANY MODIFICATIONS TO PREVENT REOCCURRENCE SHOULD BE MADE TO THE SWPPP AS APPROPRIATE.
8. THE APPLICANT, INSPECTOR, AND CONTRACTORS/OPERATORS MUST ADHERE TO ALL GOOD HOUSEKEEPING BMPs PRESENTED WITHIN THE SUPPLEMENTAL BMP GUIDE (SEE PAGE 35C-10). GOOD HOUSEKEEPING BMPs FOCUS ON KEEPING THE WORK SITE CLEAN AND ORDERLY WHILE HANDLING MATERIALS AND WASTE IN A MANNER THAT ELIMINATES THE POTENTIAL FOR POLLUTANT RUNOFF. GOOD HOUSEKEEPING BMPs SUCH AS SANITARY WASTE MANAGEMENT (SM-1), SOLID WASTE MANAGEMENT (SM-2), MATERIAL DELIVERY & STORAGE (SM-3), STREET CLEANING/SWEEPING (SM-4), AND VEHICLE & EQUIPMENT FUELING (SM-5) MUST BE ADDRESSED WHEN APPLICABLE.
9. THE SWPPP DOCUMENTS (e.g. NDEQ-NPDES, SWPPP-SM, etc.) ARE ESSENTIAL AND A REQUIREMENT IN ONE PART IS AS BINDING AS THOUGH INCURRING IN ALL. THE SWPPP DOCUMENTS ARE COMPLIMENTARY. THE DOCUMENTS DESCRIBE AND PROVIDE THE COMPLETE SWPPP. THE APPLICANT, INSPECTOR, AND/OR CONTRACTORS/OPERATORS MAY NOT TAKE ADVANTAGE OF ANY APPARENT SWPPP ERRORS OR OMISSIONS. THE INSPECTOR SHALL NOTIFY THE APPLICANT, DESIGNER, AND CONTRACTORS/OPERATORS PROMPTLY OF ANY OMISSIONS OR ERRORS. THE APPLICANT SHALL INSTRUCT THE DESIGNER TO MAKE ANY CORRECTIONS NECESSARY TO FULFILL THE OVERALL INTENT OF THE SWPPP DOCUMENTS (e.g. GRADING PERMIT MODIFICATION FORM). IN THE CASE OF A DISCREPANCY BETWEEN PARTS OF THE SWPPP DOCUMENTS, THE MOST STRINGENT REQUIREMENTS SHALL RULE.

MAINTENANCE SCHEDULE

THE FOLLOWING MAINTENANCE SCHEDULE HAS BEEN PROVIDED. THE INSPECTOR MUST PERFORM THE INSPECTIONS. THE OPERATOR/CONTRACTOR MUST PERFORM ALL NEEDED MAINTENANCE. FURTHERMORE, ALL EROSION CONTROL FEATURE REQUIRING MAINTENANCE MAY NOT BE LISTED BELOW. THE OPERATOR/CONTRACTOR AND INSPECTOR MUST PERFORM THEIR RESPECTIVE DUTIES ON ALL BMPs THAT ARE NOT LISTED BELOW AS WELL.

ALL SEDIMENT AND EROSION CONTROL PRACTICES WILL BE INSPECTED AT LEAST ONCE EVERY 7 CALENDAR DAYS AND AFTER ANY STORM EVENT GREATER THAN 0.5" F PRECIPITATION DURING ANY 24-HR PERIOD BY RESPONSIBLE PERSONNEL. ANY NECESSARY REPAIRS OR CLEAN UP TO MAINTAIN THE EFFECTIVENESS OF THE BEST MANAGEMENT PRACTICES MUST BE MADE PRIOR TO THE NEXT STORM EVENT WHENEVER PRACTICAL. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICAL, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS POSSIBLE.

1. CONSTRUCTION AND STAGING ENTRANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.
2. STRAW BALE BARRIER - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (2.1) STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL; (2.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES; (2.3) NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY; (2.4) SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (2.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
3. SILT FENCE - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (3.1) SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRE REPAIRS SHALL BE MADE IMMEDIATELY; (3.2) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING; (3.3) SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY; (3.4) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER; AND (3.5) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
4. STORM DRAIN INLET PROTECTION - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (4.1) STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY AND (4.2) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
5. TEMPORARY DIVERSION DIKE - THE MEASURE SHALL BE INSPECTED AFTER EVERY STORM AND REPAIRS MADE TO THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FACILITY, AS NECESSARY. ONCE EVERY TWO WEEKS, WHETHER A STORM EVEN HAS OCCURRED OR NOT, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IF NEEDED. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.
6. TEMPORARY FILL DIVERSION - SINCE THE PRACTICE IS TEMPORARY AND UNDER MOST SITUATIONS WILL BE COVERED THE SET WORKING DAY. THE MAINTENANCE REQUIRED SHOULD BE LOW. IF THE PRACTICE IS TO REMAIN IN USE FOR MORE THAN ONE DAY, AN INSPECTION SHALL BE MADE AT THE END OF EACH WORK DAY AND REPAIRS MADE TO THE MEASURE IF NEEDED. THE OPERATOR/CONTRACTOR SHOULD AVOID THE PLACEMENT OF ANY MATERIAL OVER THE STRUCTURE WHILE IT IS IN USE. CONSTRUCTION TRAFFIC SHOULD NOT BE PERMITTED TO CROSS THE DIVERSION.
7. TEMPORARY SEDIMENT TRAP - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (7.1) SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS; (7.2) FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED; AND (7.3) THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT, THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.
8. TEMPORARY SEDIMENT BASIN - THE BASIN EMBANKMENT SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO ENSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION-RESISTANT. THE BASIN SHOULD BE CHECKED AFTER EACH RUNOFF PRODUCING RAINFALL FOR SEDIMENT CLEANOUT AND TRASH REMOVAL. WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.
9. TEMPORARY SEEDING - AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION WILL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED. CONTROL WEEDS BY MOWING.
10. PERMANENT SEEDING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (10.1) IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANNING; (10.2) NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY CONDITIONS, OR ON ADVERSE SITES, WATER APPLICATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF; (10.3) INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE; 10.3.A: IF STAND IS INADEQUATE FOR EROSION CONTROL, OVER SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED; 10.3.B: IF STAND IS 60% DAMAGED, RE-ESTABLISH FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS; 10.3.C: IF STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER, THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE, RE-ESTABLISH THE STAND FOLLOWING SEEDBED AND SEEDING RECOMMENDATIONS.
11. MULCHING - ALL MULCHES AND SOIL COVERINGS SHOULD BE INSPECTED PERIODICALLY (PARTICULARLY AFTER RAINSTORMS) TO CHECK FOR EROSION. WHERE EROSION IS OBSERVED IN MULCHED AREAS, ADDITIONAL MULCH SHOULD BE APPLIED. NETS AND MATS SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING OR MATTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. INSPECTIONS SHOULD TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.
12. SOIL STABILIZATION BLANKETS & MATTING - ALL SOIL STABILIZATION BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL WHICH TIME THEY BECOME PERMANENTLY STABILIZED; AT THAT TIME AN ANNUAL INSPECTIONS SHOULD BE ADEQUATE.
13. STREET CLEANING/SWEEPING - THE MAINTENANCE MEASURES ARE AS FOLLOWS: (13.1) EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING; (13.2) WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY, DURING TIMES OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY; (13.3) UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT; AND (13.4) IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.
14. CONCRETE WASHOUT FACILITY - WASHOUT FACILITIES SHALL BE CHECKED REGULARLY TO ENSURE THAT THE FACILITY IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE FACILITY SHALL BE CLEANED OUT WHEN IT IS WITHIN 6" OF BEING FULL AND AT THE END OF CONSTRUCTION.

SEEDING NOTES:

GENERAL VEGETATION NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS WITHIN THE CITY OF LINCOLN STANDARD SPECIFICATIONS, CHAPTER 30 "SEEDING AND SODDING", UNLESS OTHERWISE SPECIFIED.
2. CONTRACTOR SHALL MINIMIZE SOIL COMPACTION AFTER FINAL VEGETATIVE STABILIZATION HAS BEGUN.
3. MULCH SHALL BE INSTALLED IN ALL DISTURBED AREAS THAT ARE TO BE SEEDED PER THE CITY OF LINCOLN'S STANDARD SPECIFICATIONS (UNLESS EROSION CONTROL BLANKET IS ALREADY NOTED IN PLANS).
4. THE SEEDED SHALL PREPARED BY TILLING THE SEEDED TO A DEPTH OF 2" TO 4". IF THE GROUND IS TOO WET AND DOES NOT BREAK APART WHEN TILLED, DELAY TILLING UNTIL SOIL DRIES ENOUGH TO BREAK APART WHEN TILLED. LIGHTLY COMPACT THE TILLED SOIL WITH A ROLLER, CULTIPACKER, OR A SIMILAR IMPLEMENT UNTIL THE SURFACE SOIL IS FIRM AND STABLE. IF WETLAND AREAS ARE TOO WET TO WORK WITH USING EQUIPMENT, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR MAY ELIMINATE ALL OR PORTIONS OF THE SEEDED PREPARATION AND MANUALLY BROADCAST SEED AT A RATE GREATER THAN THE MINIMUM SPECIFIED APPLICATION RATES AND AS ACCEPTABLE TO THE ENGINEER.

PRE-INSTALLATION SUBMITTALS:

2. PRIOR TO PROCURING SEEDING MATERIALS, SUBMIT TO THE ENGINEER THE SEED AND PLANTING SOURCE, COMPOSITION DETAILS, AND ANY MANUFACTURER'S REQUIREMENTS FOR INSTALLATION. ANY ALTERNATIVE PLANTINGS OR SEED PROPOSED BY THE CONTRACTOR SHALL BE DONE AFTER AWARD OF THE CONTRACT. ENGINEER SHALL APPROVE ANY ALTERNATIVE PLANTINGS OR OTHER SUBSTITUTIONS IN WRITING BEFORE THE CONTRACTOR PROCURES AND INSTALLS ANY PLANTINGS.

WETLAND/CHANNEL SEEDING:

1. SEED TYPE SHALL BE UNITED SEEDS "FACW WETLAND MIXTURE" OR APPROVED EQUIVALENT AT A RATE OF 20 LBS PLS/PER ACRE.

FLOODPLAIN SEEDING:

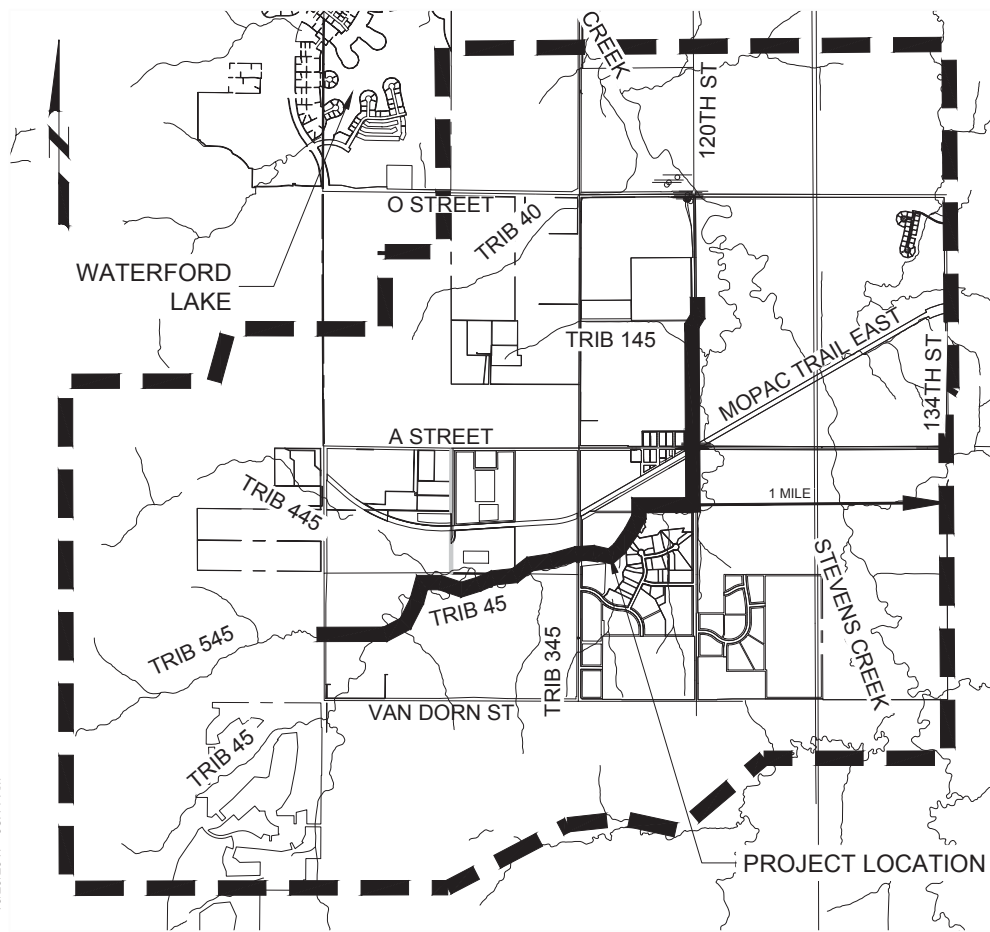
1. SEED TYPE SHALL BE UNITED SEEDS "FLOODPLAIN MIXTURE" OR APPROVED EQUIVALENT AT A RATE OF 20 LBS PLS PER ACRE.

FESCUE SEEDING:

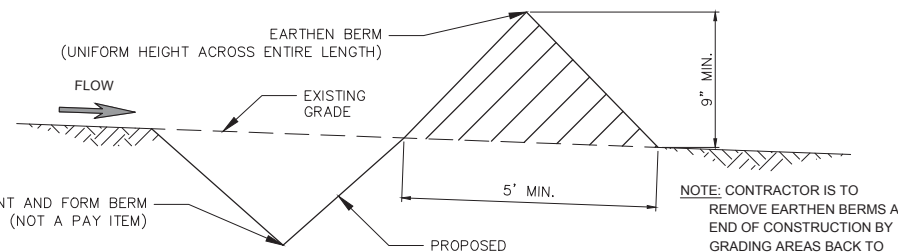
1. TURF SEEDING SHALL COMPLY WITH THE REQUIREMENTS FOR NON-IRRIGATED LAWN AND TURF SEED SPECIFIED IN THE CITY OF LINCOLN'S STANDARD SPECIFICATIONS 30.04 TYPE "B" - FESCUE MIX.

RURAL MIX SEEDING:

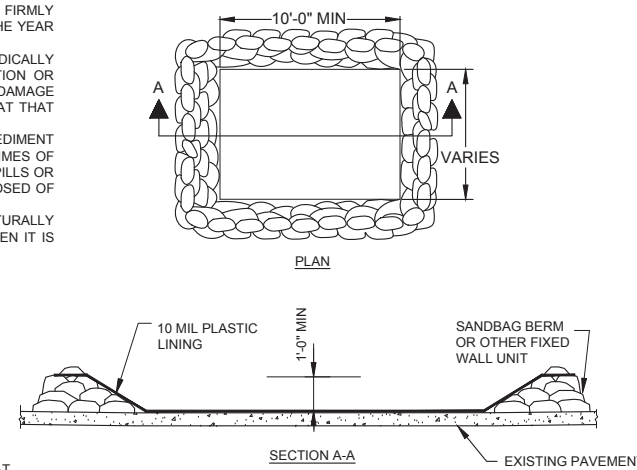
1. IN ALL DISTURBED AREAS THAT ARE WITHIN ROW AND HAVE NO OTHER SEEDING MIX INDICATED, THE CONTRACTOR SHALL SEED AREA WITH SEED SPECIFIED IN THE CITY OF LINCOLN'S STANDARD SPECIFICATIONS 30.04 TYPE "F" - RURAL MIX.



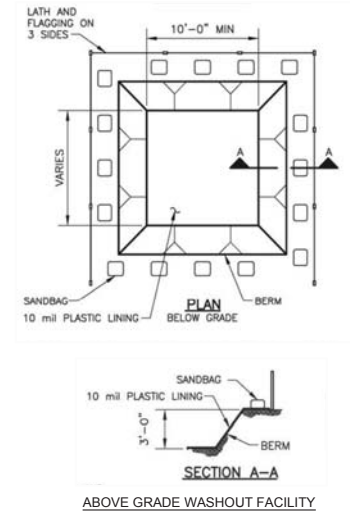
DRAINAGE AND VICINITY MAP
No Scale



1 EARTHEN BERM DETAIL
35C-09 NOT TO SCALE



2 CONCRETE WASHOUT
35C-09 NOT TO SCALE



ABOVE GRADE WASHOUT FACILITY

REV	DATE	BY	DESCRIPTION

DESIGNED LEK	** ORIGINAL SEALED BY DAVID G. LAMPE OCTOBER 3, 2017 NE E-9910 **
DRAWN LEK	
CHECKED DGL	
DATE OCTOBER 2017	

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FELSBURG HOLT & ULLEVIG

CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
Civil
STORMWATER POLLUTION PREVENTION PLAN
SWPPP NOTES AND DETAILS, SHEET 1

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 10442A.10
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 35C-09
	SHEET NO. 53 OF 58

**SANITARY WASTE MANAGEMENT
SM-1**

DESCRIPTION AND PURPOSE
PROPER SANITARY WASTE MANAGEMENT PREVENTS THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM SANITARY WASTE BY PROVIDING CONVENIENT, WELL-MAINTAINED FACILITIES, AND ARRANGING FOR REGULAR SERVICE DISPOSAL.

SUITABLE APPLICATIONS
SANITARY WASTE MANAGEMENT PRACTICES ARE SUITABLE FOR USE AT ALL CONSTRUCTION SITES THAT USE TEMPORARY OR PORTABLE SANITARY WASTE SYSTEMS.

LIMITATIONS
NONE IDENTIFIED.

IMPLEMENTATION

- ONLY CONTRACT WITH A SUPPLIER OF TEMPORARY SANITARY WASTE FACILITIES THAT DISPOSES OF OR TREATS THE WASTE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- TEMPORARY SANITARY FACILITIES WILL BE LOCATED AWAY FROM DRAINAGE FACILITIES, WATERCOURSES, AND FROM TRAFFIC CIRCULATION. AND IN A CONVENIENT LOCATION.
- WHEN SUBJECT TO HIGH WINDS OR RISK OF HIGH WINDS, TEMPORARY SANITARY FACILITIES WILL BE SECURED TO PREVENT OVERTURNING.
- WASTEWATER WILL NOT BE DISCHARGED OR BURIED WITHIN THE PROJECT SITE.
- SANITARY FACILITIES WILL BE MAINTAINED IN A GOOD WORKING ORDER BY A LICENSED SERVICE.
- REGULAR WASTE COLLECTION BY A LICENSED HAULER WILL BE ARRANGED BEFORE FACILITIES OVERFLOW.

EDUCATION

- EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS WILL BE EDUCATED ON SANITARY WASTE STORAGE, DISPOSAL PROCEDURES AND THE POTENTIAL DANGERS TO HUMANS AND THE ENVIRONMENT FROM SANITARY WASTES.
- A CONTINUING EDUCATION PROGRAM WILL INDOCTRINATE NEW EMPLOYEES.

INSPECTION MAINTENANCE

- INSPECT AND VERIFY THAT TEMPORARY SANITARY FACILITIES ARE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. WHILE CONSTRUCTION ACTIVITIES ARE UNDER WAY, INSPECT WEEKLY.
- ARRANGE FOR REGULAR WASTE COLLECTION.
- IF HIGH WINDS ARE EXPECTED, PORTABLE SANITARY FACILITIES WILL BE SECURED WITH SPIKES OR WEIGHTED DOWN TO PREVENT OVERTURNING.

**SOLID WASTE MANAGEMENT
SM-2**

DESCRIPTION AND PURPOSE
SOLID WASTE MANAGEMENT PROCEDURES AND PRACTICES HAVE BEEN DESIGNED TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM SOLID OR CONSTRUCTION WASTES BY PROVIDING DESIGNATED WASTE COLLECTION CONTAINERS, ARRANGING FOR REGULAR DISPOSAL, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

SUITABLE APPLICATIONS

- SOLID WASTE GENERATED FROM DEMOLITION OF EXISTING STRUCTURES (RUBBLE), AND BUILDING CONSTRUCTION.
- SCRAP OR SURPLUS CONSTRUCTION WASTES AND BUILDING MATERIALS INCLUDING SCRAP METALS, RUBBER, PLASTIC, GLASS PIECES, PACKAGING MATERIALS AND MASONRY PRODUCTS.
- DOMESTIC WASTES INCLUDING FOOD CONTAINERS SUCH AS BEVERAGE CANS, COFFEE CUPS, PAPER BAGS, PLASTIC WRAPPERS, AND CIGARETTES.

LIMITATIONS

- TEMPORARY STOCKPILING OF CERTAIN CONSTRUCTION WASTES MAY NOT NECESSITATE DESIGNATED WASTE COLLECTION CONTAINERS. THIS INCLUDES STOCKPILING OF TREES AND SHRUBS, EARTHWORK, PAVEMENT, PIPE AND OTHER INERT, NON-HAZARDOUS CONSTRUCTION WASTES THAT HAVE BEEN REMOVED.

IMPLEMENTATION
THE FOLLOWING STEPS WILL BE DONE TO KEEP A CLEAN SITE AND REDUCE STORMWATER POLLUTION:

- USE ONLY WATERTIGHT DUMPSTERS ONSITE.
- PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS TO KEEP RAIN OUT AND TO PREVENT LOSS OF WASTES WITH IT IS WINDY.
- LOCATE CONTAINERS IN A COVERED AREA OR IN A SECONDARY CONTAINMENT.
- COLLECT SITE LITTER REGULARLY, ESPECIALLY DURING RAINY AND WINDY CONDITIONS.
- ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.
- CLEAN UP IMMEDIATELY IF A CONTAINER DOES SPILL.

EDUCATION

- PROHIBIT LITTERING BY EMPLOYEES, SUBCONTRACTORS, AND VISITORS.
- DUMPSTER WILL BE LOCATED AT LEAST 50 FT FROM DRAINAGE FACILITIES AND WATERCOURSES AND WILL NOT BE LOCATED IN AREAS PRONE TO FLOODING OR PONDING.
- THE CONTRACTOR'S SUPERINTENDENT WILL OVERSEE AND ENFORCE PROPER SOLID WASTE MANAGEMENT PROCEDURES AND PRACTICES.
- THE CONTRACTOR'S SUPERINTENDENT WILL INSTRUCT EMPLOYEES AND SUBCONTRACTORS ON IDENTIFICATION OF SOLID WASTE AND HAZARDOUS WASTE.
- THE CONTRACTOR'S SUPERINTENDENT WILL REQUIRE THAT EMPLOYEES AND SUBCONTRACTORS FOLLOW SOLID WASTE HANDLING AND STORAGE PROCEDURES.
- THE CONTRACTOR'S SUPERINTENDENT WILL MAKE SURE THAT TOXIC LIQUID WASTES (USED OILS, SOLVENTS, AND PAINTS) AND CHEMICALS (ACIDS, PESTICIDES, ADDITIVES, CURING COMPOUNDS) ARE NOT DISPOSED OF IN DUMPSTERS DESIGNATED FOR CONSTRUCTION DEBRIS.

INSPECTION MAINTENANCE

- THE CONTRACTOR'S SUPERINTENDENT WILL VERIFY THAT DUMPSTER IS IN BEFORE THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY TO VERIFY CONTINUED BMP IMPLEMENTATION.
- THE CONTRACTOR'S SUPERINTENDENT WILL INSPECT CONSTRUCTION DUMPSTER'S AREA REGULARLY.
- THE CONTRACTOR'S SUPERINTENDENT WILL ARRANGE FOR REGULAR WASTE COLLECTION.

**MATERIAL DELIVERY AND STORAGE
SM-3**

DESCRIPTION AND PURPOSE
PREVENT, REDUCE, OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY AND STORAGE TO THE STORMWATER SYSTEM, STREAMS OR LAKES BY STORING MATERIALS IN DESIGNATED AREAS, INSTALLING SECONDARY CONTAINMENT, CONDUCTING REGULAR INSPECTIONS, MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ONSITE, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

SUITABLE APPLICATIONS
THESE PROCEDURES WILL BE USED AT ALL CONSTRUCTION SITES WITH DELIVERY AND STORAGE OF ERODIBLE, HAZARDOUS, OIL BASED, OR OTHER POLLUTING MATERIALS.

IMPLEMENTATION
THE FOLLOWING STEPS WILL BE TAKEN TO MINIMIZE RISK.

DELIVERIES

- DELIVERIES WILL BE LOCATED AWAY FROM TRAFFIC.
- MATERIAL DELIVERED AND STORED WILL BE LOCATED NEAR THE SITE ENTRANCES (LOT LEVEL NEAR PROPOSED DRIVE WAY) AND AWAY FROM AREA OR CURB INLETS, STREAMS, OR WATERWAYS.
- IF POSSIBLE, DELIVERY AREAS WILL BE IN LOCATIONS THAT ARE TO BE PAVED.

STORAGE

- TEMPORARY STORAGE WILL BE LOCATED AWAY FROM TRAFFIC.
- AN UP-TO-DATE INVENTORY OF ALL STORED MATERIAL WILL BE KEPT.
- CHEMICALS, DRUMS, OR BAGGED MATERIAL WILL BE ON A PALLET, INSIDE A SECONDARY CONTAINMENT (EARTHEN DIKE, HORSE TROUGH, OR WADING POOL FOR NON-REACTIVE MATERIALS).
- CHEMICALS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS.

PRACTICES

- AN AMPLE SUPPLY OF APPROPRIATE SPILL CLEAN UP MATERIAL WILL BE KEPT NEAR STORAGE AREAS.
- DRUMMED, BARRELED, OR BAGGED MATERIALS WILL BE INDOORS WITHIN EXISTING STRUCTURES WHEN AVAILABLE.
- A TEMPORARY CONTAINMENT FACILITY WILL:
 - BE DESIGNED TO ACCOMMODATE ALL POLLUTANTS AMOUNTING TO OR EXCEEDING A VOLUME OF 55 GALLONS.
 - BE DESIGNED TO PROVIDE FOR A SPILL OF 10% OF THE TOTAL STORED, OR 100% OF THE CAPACITY OF THE LARGEST CONTAINER, WHICHEVER IS GREATER.
 - BE DESIGNED SO THAT MATERIAL USED TO CONTAIN A SPILL SHOULD BE IMPERVIOUS TO THE STORED MATERIAL FOR A MINIMUM CONTACT TIME OF 72 HOURS.
 - BE MAINTAINED FREE OF SPILLS OR ACCUMULATED RAINFALL.
 - HAVE SPACE BETWEEN THE STORED MATERIAL AND ACCESS FOR EMERGENCY RESPONSE.
 - NOT STORE INCOMPATIBLE MATERIALS (I.E. AMMONIA & CHLORINE) IN THE SAME CONTAINMENT.
 - DRUMS, BARRELS OR BAGS, STORED OUTDOORS, WILL BE TARPED DURING NO-WORKING HOURS.
- STOCK PILES WILL BE LOCATED A MINIMUM OF 50FT FROM CONCENTRATED FLOWS IN STORMWATER, DRAINAGE COURSE, AND UNPROTECTED INLETS (AREA OR CURB)
 - ACTIVE STOCKPILES WILL BE PROTECTED IN ACCORDANCE WITH THE FOLLOWING PRACTICES:
 - RUNOFF WILL BE CONTROLLED USING BERMS, DIKES, FIBER ROLLS, SILT FENCE, OR OTHER APPROPRIATE CONTROLS.
 - INACTIVE STOCKPILES WILL BE PROTECTED IN ACCORDANCE WITH THE FOLLOWING PRACTICES:
 - STOCK PILES WILL BE VEGETATIVELY COVERED OR TARPED.
 - RUNOFF WILL BE CONTROLLED USING BERMS, DIKES, FIBER ROLLS, SILT FENCE, OR OTHER APPROPRIATE CONTROLS.

EDUCATION
EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS WILL BE EDUCATED ON DELIVERY AND STORAGE PROCEDURE AND THEIR RESPONSIBILITIES.

INSPECTION MAINTENANCE

- INSPECTIONS WILL BE CONDUCTED TO VERIFY THAT ALL MEASURES ARE IN PLACE AND FUNCTIONING.
- REPAIRS &/OR REPLACEMENT OF CONTROLS AND COVERS AS NEEDED.

**STREET CLEANING / SWEEPING
SM-4**

DESCRIPTION AND PURPOSE
STREET CLEANING AND MAINTENANCE INCLUDES THE USE OF FRONT-END LOADERS, SHOVELS AND SWEEPERS TO REMOVE TRACKED SEDIMENT FROM THE STREETS AND PAVED SURFACES. STREET CLEANING PREVENTS SEDIMENT FROM ENTERING STORM DRAINS AND LOADING SEDIMENT BASIN AND/OR RECEIVING STREAMS.

SUITABLE APPLICATIONS
STREET CLEANING WILL BE DONE ANYWHERE SEDIMENT IS TRACKED FROM A SITE ON TO A PUBLIC OR PRIVATE PAVED STREET OR SURFACE, TYPICALLY AT POINTS OF ENTRY. FLUSHING SEDIMENT OFF OF THE SURFACE INTO THE STORM SYSTEM WILL NEVER BE AN ACCEPTABLE PRACTICE.

IMPLEMENTATION
THE FOLLOWING STEPS WILL BE TAKEN TO KEEP THE STREETS CLEAN

- ACCESS POINTS WILL BE LIMITED AND CONTROLLED, THIS ALLOWS CLEANING EFFORTS TO BE FOCUSED AND EFFECTIVE.
- ENTRANCE POINTS WILL BE EVALUATED DAILY FOR TRACK OUT.
- VISIBLE SEDIMENT TRACKING WILL BE CLEANED OR SWEEPED DAILY.
- KICK BROOMS OR DRY SWEEPING WILL NOT BE USED; THESE SPREAD DIRT AND GENERATE DUST.
- IF SEDIMENT IS NOT MIXED WITH DEBRIS OR TRASH, IT WILL BE INCORPORATED BACK INTO THE PROJECT SITE.

EDUCATION

- EMPLOYEES, SUBCONTRACTORS, AND SUPPLIERS WILL BE EDUCATED ON TRACK-OUT AND STREET CLEANING PROCEDURES, AND THEIR RESPONSIBILITIES.
- A CONTINUING EDUCATION PROGRAM WILL INDOCTRINATE NEW EMPLOYEES.

INSPECTION MAINTENANCE
THE FOLLOWING STEPS WILL BE TAKEN

- EVALUATE ACCESS POINTS DAILY FOR SEDIMENT TRACKING.
- WHEN TRACKED OR SPILLED SEDIMENT IS FOUND ON PAVED SURFACES, IT WILL BE REMOVED DAILY. DURING TIMES OF HEAVY TRACK-OUT, SUCH AS DURING RAINS, CLEANING MAY BE DONE SEVERAL TIMES THROUGHOUT THE DAY.
- UNKNOWN SPILLS OR OBJECTS WILL NOT BE MIXED WITH THE SEDIMENT.
- IF SEDIMENT IS MIXED WITH OTHER POLLUTANTS, IT WILL BE DISPOSED OF PROPERLY AT AN AUTHORIZED LANDFILL.

**VEHICLES AND EQUIPMENT FUELING
SM-5**

DESCRIPTION AND PURPOSE
VEHICLE EQUIPMENT FUELING PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT FUEL SPILLS AND LEAKS, AND REDUCE OR ELIMINATE CONTAMINATION OF STORMWATER. THIS WILL BE ACCOMPLISHED BY FUELING AS OUTLINED BELOW, IMPLEMENTING SPILL CONTROLS, AND TRAINING EMPLOYEES AND REQUIRING SUBCONTRACTORS TO HAVE PERSONNEL TRAINED IN PROPER FUELING PROCEDURES.

SUITABLE APPLICATIONS
FUELING MANAGEMENT PRACTICES ARE SUITABLE FOR USE AT ALL CONSTRUCTION SITES THAT USE FUELING TANKS OR FUELING TRUCK SYSTEMS.

IMPLEMENTATION

- OFFSITE-FUELING STATIONS WILL BE USED AS MUCH AS POSSIBLE.
- "TOPPING-OFF" OF FUEL TANKS WILL NOT BE PERMITTED.
- ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS WILL BE AVAILABLE IN FUELING AREAS OR ON FUELING TRUCKS, AND WILL BE DISPOSED OF PROPERLY AFTER USE.
- DRIP PANS OR ABSORBENT PADS WILL BE USED DURING FUELING, UNLESS THE FUELING IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED FUELING AREA.
- ADSORBENT MATERIALS WILL BE USED ON SMALL SPILLS. SPILLS WILL NOT BE HOSED DOWN OR BURIED. USED ADSORBENT MATERIALS WILL BE REMOVED PROMPTLY AND DISPOSED OF PROPERLY.
- FUELING WILL TAKE PLACE IN AREAS PROTECTED FROM STORMWATER RUN-ON AND RUNOFF, AND WILL BE LOCATED AT LEAST 50 FT AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES. DESIGNATED FUELING AREAS WILL BE IDENTIFIED IN THE SWPPP.
- PROTECT FUELING AREAS WITH BERMS OR DIKES TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.
- NOZZLES USED IN FUELING WILL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIP. FUELING OPERATIONS WILL NOT BE LEFT UNATTENDED.
- ALL REQUIREMENTS WILL BE OBSERVED FOR ANY STATIONARY ABOVE GROUND STORAGE TANKS.

EDUCATION

- EMPLOYEES, SUBCONTRACTORS AND SUPPLIERS WILL BE EDUCATED ON VEHICLE EQUIPMENT FUELING, SPILL CLEAN UP, DISPOSAL PROCEDURES AND THE POTENTIAL DANGERS TO THE ENVIRONMENT.
- A CONTINUING EDUCATION PROGRAM WILL INDOCTRINATE NEW EMPLOYEES.

INSPECTION MAINTENANCE

- VEHICLES AND EQUIPMENT WILL BE ROUTINELY INSPECTED FOR LEAKS. LEAKS WILL BE REPAIRED IMMEDIATELY OR PROBLEM VEHICLES OR EQUIPMENT WILL BE REMOVED FROM THE PROJECT SITE.
- AN AMPLE SUPPLY OF SPILL CLEANUP MATERIALS WILL BE AVAILABLE.
- SPILLS WILL BE IMMEDIATELY CLEANED UP, AND CONTAMINATED SOIL AND CLEANUP MATERIALS WILL BE PROPERLY DISPOSED OF. IF MOBILE FUELING OPERATION USED, SUPPLIER WILL HAVE SPILL EQUIPMENT AND PROCEDURES ON TRUCK. IF STATIONARY FUEL STORAGE IS USED, SITE MANAGER WILL HAVE THE EQUIPMENT AND PROCEDURES ON SITE.

CONSTRUCTION ACTIVITIES & SCHEDULING

- INSTALL BMPs NEEDED SUCH AS STABILIZED CONSTRUCTION ENTRANCES, STAGING AREAS, CONCRETE WASHOUTS, CONTAINMENT FACILITIES, SILT BASINS, RISER PIPES, SILT TRAPS, SILT FENCE, DIVERSIONS, TERRACES, AND ETCETERA.
- PROCEED WITH STRIPPING OF EXISTING VEGETATION AND GRADING IN ACCORDANCE WITH THE PLANS, WHILE DISTURBING NO MORE THAN NECESSARY.
- PROCEED WITH SEWER INSTALLATION.
- IMPLEMENT THE INSTALLATION OF TEMPORARY SEEDING, PERMANENT SEEDING, AND/OR MULCHING.
- PROCEED WITH THE REMOVAL OF BMPs.
- PRIOR TO ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
- AFTER INSTALLING ALL BMPs NEEDED. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE START OF ANY STRIPPING OF EXISTING VEGETATION OR GRADING.
- INFRASTRUCTURE INSTALLATION MUST OCCUR PRIOR TO ANY SITE STABILIZATION.
- STABILIZATION MEASURES MUST BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- BMPs MAY NOT BE REMOVED UNTIL EACH IMPACTED DRAINAGE BASIN HAS BEEN FULLY DEVELOPED. FULL DEVELOPMENT SHALL MEAN INSTALLATION OF ROADWAY PAVEMENT, UTILITIES, AND FULLY ESTABLISHED PERMANENT SEEDING. FURTHERMORE, INSPECTOR APPROVAL MUST BE OBTAINED BEFORE THE REMOVAL OF ANY BMPs.

**EROSION AND SEDIMENT CONTROL
STANDARD DETAILS**

NUMBER	NAME	LOCATION
9.5.3	Sediment Fence	Lincoln Drainage Control Manual
9.5.5	Wattle Barrier	Lincoln Drainage Control Manual
9.5.7	Storm Drain Inlet Protection	Lincoln Drainage Control Manual
9.5.11	Check Dams	Lincoln Drainage Control Manual
9.5.12	Construction Entrance	Lincoln Drainage Control Manual

The Lincoln Drainage Control Manual can be found at <http://www.lincoln.ne.gov/city/pworks/watershed>

LAST UPDATED: 09/27/2017 02:07 PM

LAST SAVED BY: carroll@carroll.com

CONFORMED DRAWINGS

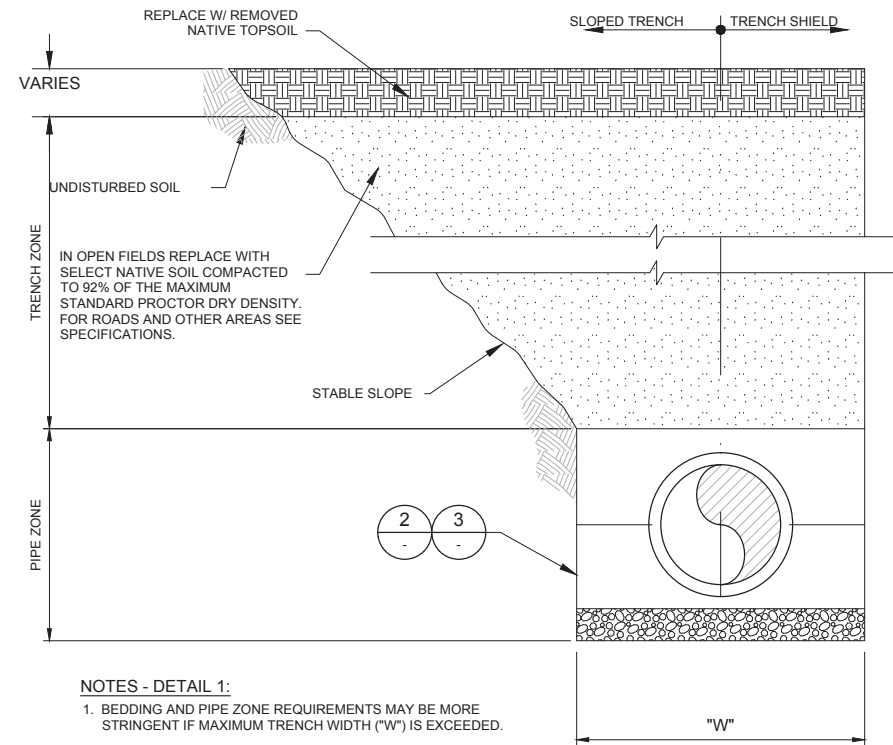
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CHECKED
DGL
DATE
OCTOBER 2017

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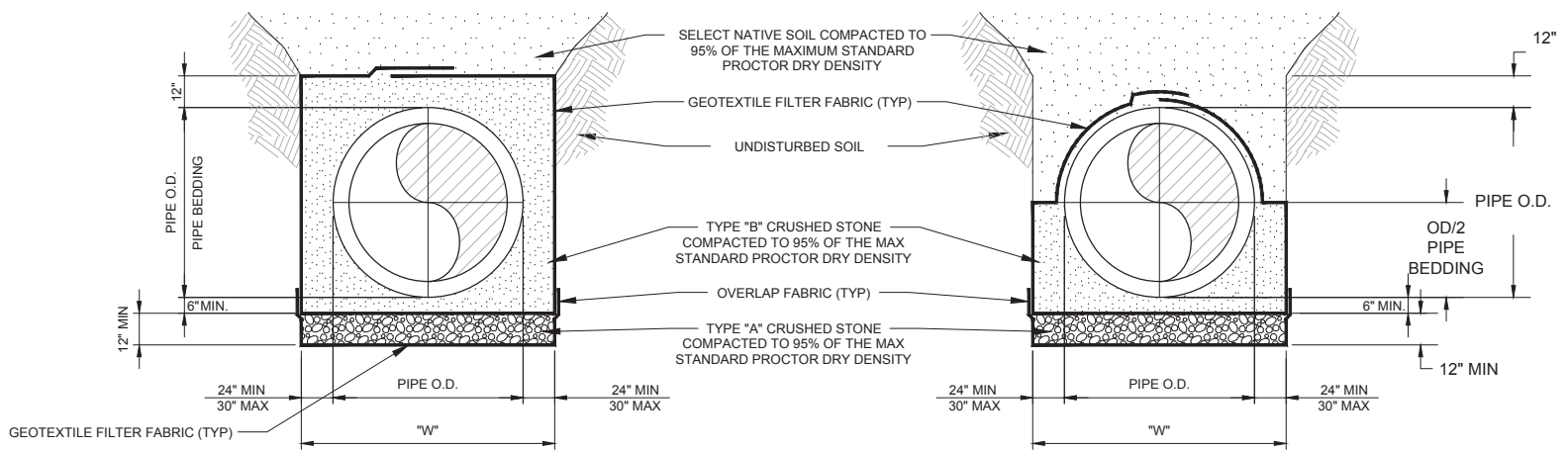
CITY OF LINCOLN, NE
STEVENS CREEK SUB BASIN E3 SANITARY SEWER PROJECT
Civil
STORMWATER POLLUTION PREVENTION PLAN
SWPPP NOTES AND DETAILS, SHEET 2

VERIFY SCALES	JOB NO. 10442A.10
BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 35C-10
0 1"	SHEET NO. 54 OF 58
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	



NOTES - DETAIL 1:
 1. BEDDING AND PIPE ZONE REQUIREMENTS MAY BE MORE STRINGENT IF MAXIMUM TRENCH WIDTH ("W") IS EXCEEDED.

1 **DETAIL-PIPE TRENCH, BEDDING & BACKFILL**
 SCALE: NTS
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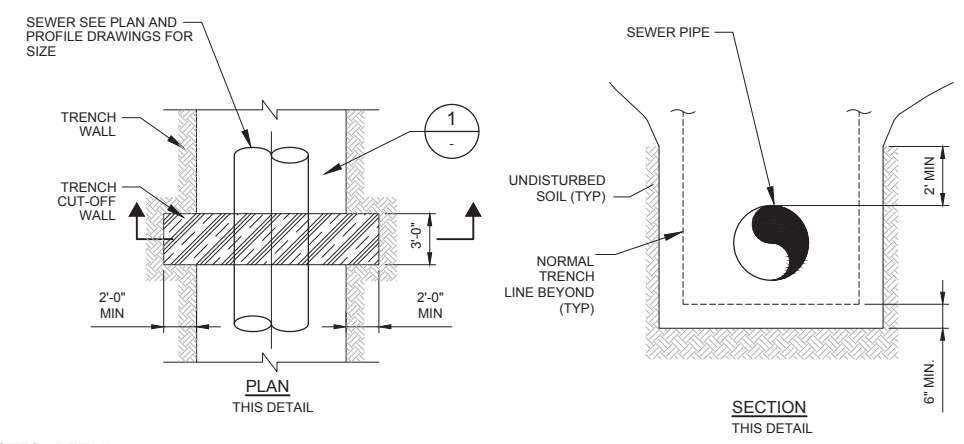


2 **DETAIL-CCFMP&PVC**
 SCALE: NTS
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3 **DETAIL-RCP**
 SCALE: NTS
 FILE: 10422A10105C01.dwg

NOTES - DETAILS 2 & 3:

1. COMPLETELY ENCASE TYPE "B" BEDDING IN GEOTEXTILE FILTER FABRIC. WRAP BOTTOM AND SIDE WALLS OF TYPE "A" BEDDING IN GEOTEXTILE FABRIC AS SHOWN IN DETAIL.
2. SUFFICIENT EXTRA BEDDING MATERIAL AND FABRIC SHALL BE PLACED SUCH THAT THE AREA OF THE TRENCH VACATED BY THE TRENCH SHIELD IS FILLED BY BEDDING MATERIALS/FABRIC AND STILL MAINTAINS MINIMUM DIMENSIONS AND TOP OF BEDDING LEVEL.
3. UNLESS NOTED OTHERWISE, OVERLAP FABRIC 4 FT MIN. TAPE FABRIC OVERLAP TO AVOID DISPLACEMENT DURING BACKFILL OPERATIONS.



NOTES - DETAIL 4:

1. BRACE CUT-OFF WALL UNTIL BACKFILL IS PLACED.
2. KEEP BACKFILL DEPTH EQUAL ON BOTH SIDES OF CUT-OFF WALL AS TRENCH IS BACKFILLED.
3. CUT OFF WALLS MAY BE CONSTRUCTED FROM ON-SITE LOW PLASTICITY CLAYS WITH A LIQUID LIMIT LESS THAN 45% AND PLASTIC INDEX BETWEEN 10% AND 25% COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D698).
4. ALTERNATIVELY, TRENCH CUT OFF WALLS MAY BE CONSTRUCTED WITH CLSM.
5. ENCASE TRENCH BEDDING ABUTTING CUT OFF WALL IN GEOTEXTILE FILTER FABRIC TO SEPARATE PIPE AND STABILIZATION BEDDING FROM CUT OFF WALL.
6. CUT OFF WALLS SHALL NOT BE PLACED WITHIN 5' OF PIPE JOINTS, MANHOLES, OR OTHER STRUCTURES.

4 **CLAY OR CLSM TRENCH CUT-OFF WALL**
 SCALE: N.T.S.

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 PROJECT NO. 10442A.10
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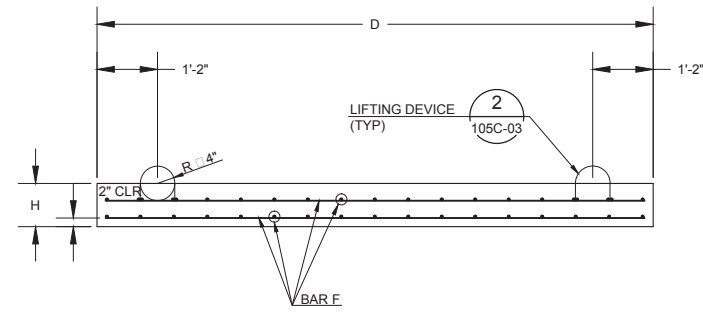
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CHECKED BDC	
DATE OCTOBER 2017	



CITY OF LINCOLN, NE
 STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
 CIVIL
PIPE, TRENCH, BEDDING AND BACKFILL DETAILS

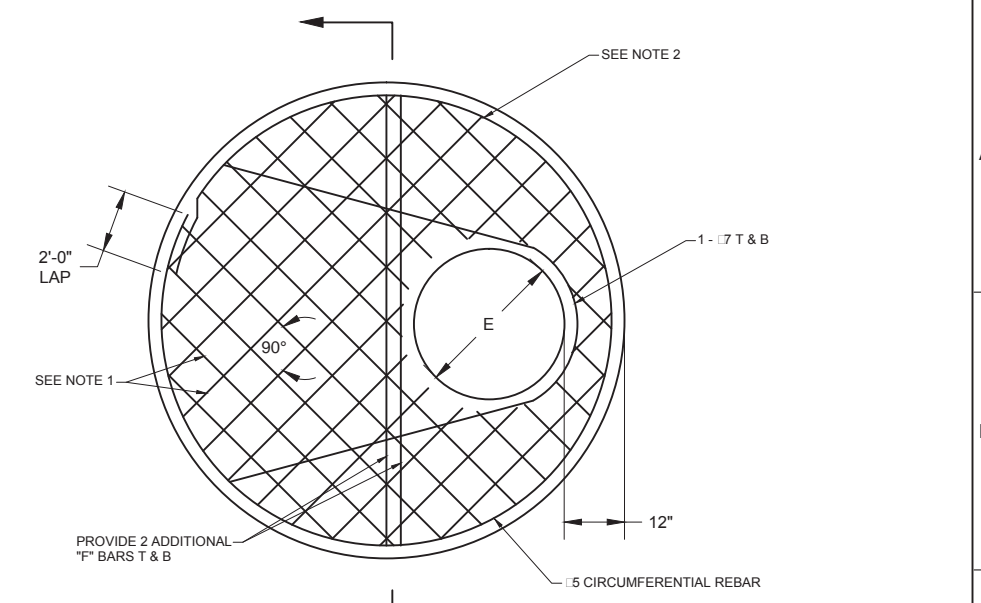
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 105C-01
	SHEET NO. 55 OF 58

STANDARD SANITARY SEWER MANHOLE	MANHOLE NUMBER PER PLANS	DIMENSIONS								REINFORCING STEEL BAR F	REINFORCING STEEL BAR G
		A	B	C	D	E	H MIN	J	T MIN		
84" DIA MANHOLE	MH-25, MH-27	7'-0"	8"	1'-9"	8'-6"	4'-0"	10"	1'-2"	8"	6 # 10 EWT & B	6 # 12 EWT & B
72" DIA MANHOLE	MH-18 THRU MH-24, MH-26, MH-28 THRU MH-30	6'-0"	8"	1'-9"	7'-6"	4'-0"	10"	1'-0"	8"	5 # 10 EWT & B	5 # 12 EWT & B
60" DIA MANHOLE	MH-31 THRU MH-47	5'-0"	8"	1'-6"	6'-6"	4'-0"	10"	1'-0"	8"	5 # 10 EWT & B	5 # 10 EWT & B



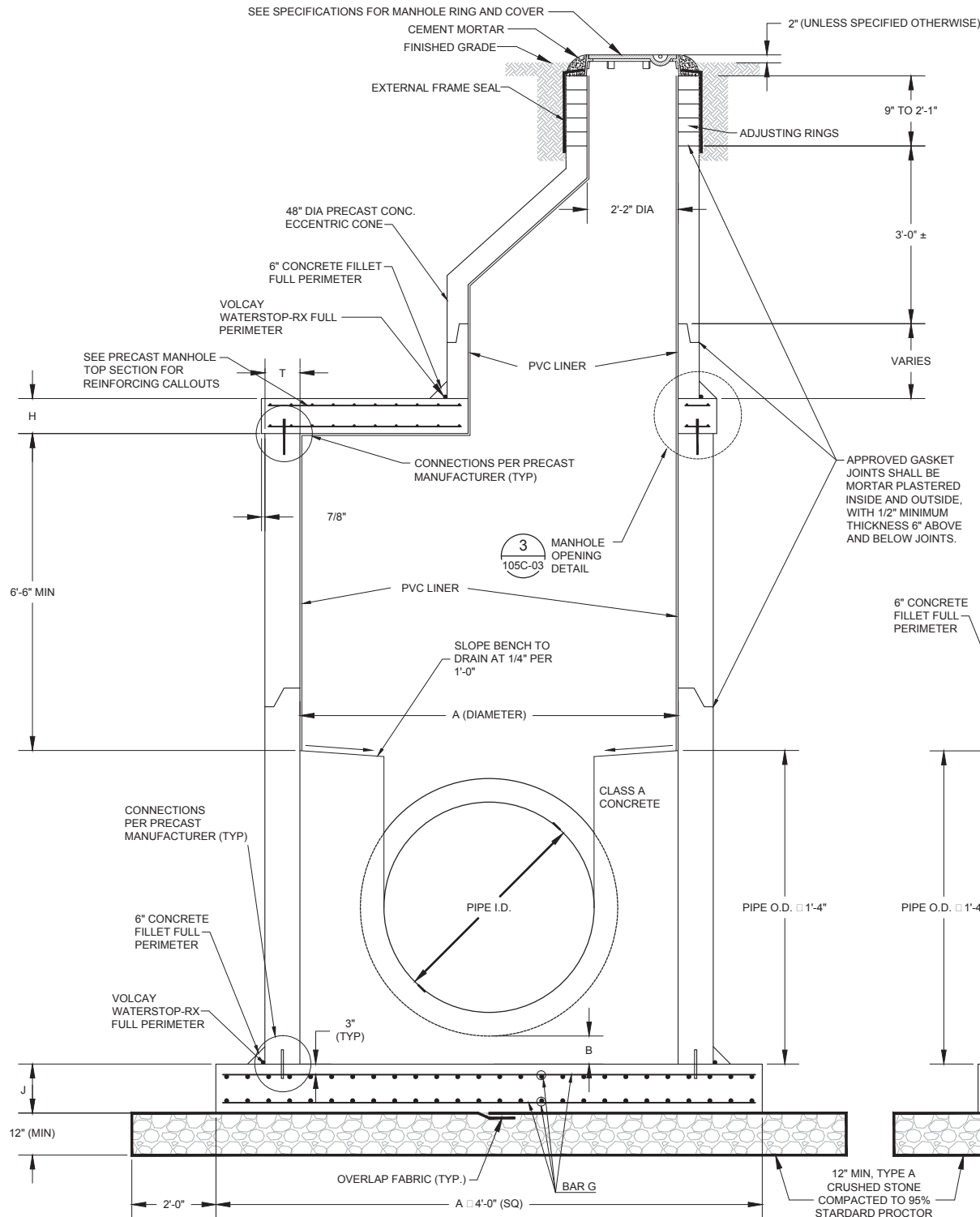
PRECAST MANHOLE TOP - SECTION

- GENERAL NOTES:**
- FINISHED MANHOLE BENCHES SHALL BE SMOOTH AND SLOPED TO DRAIN INTO THE SEWER.
 - MANHOLES SHALL BE CONSTRUCTED WITH EITHER A CONCRETE PROTECTIVE LINER OR AN ANTI-MICROBIAL CONCRETE ADDITIVE.
 - CONCRETE PROTECTIVE LINER SHALL BE PROVIDED FOR ALL INTERIOR CONCRETE SURFACES (WALLS AND UNDERSIDE OF SUSPENDED SLABS):
 - ABOVE THE CROWN OF THE NEW SEWER.
 - ABOVE THE CONCRETE FILL OF STANDARD MANHOLES.
 - PROVIDE ANTI-MICROBIAL CONCRETE ADDITIVE FOR ALL CONCRETE USED FOR MANHOLE CONSTRUCTION.
 - THE CAST IRON MANHOLE RING SHALL SET IN A BED OF MORTAR, AND CAREFULLY ADJUSTED TO PROPOSED GRADE.
 - ECCENTRIC TOP AND RISER SHALL BE LOCATED PARALLEL WITH THE PIPE TRUNK SEWER WITH THE OPENING IN THE DOWNSTREAM SIDE.
 - CONCRETE IN MANHOLE SHALL BE L-3500, VIBRATED IN PLACE.
 - ALL REINFORCING STEEL SHALL BE EPOXY COATED.
 - UNLESS NOTED OTHERWISE, OVERLAP FABRIC 4 FT MIN. TAPE FABRIC OVERLAP TO AVOID DISPLACEMENT DURING BACKFILL OPERATIONS.
 - ALL STUBOUT CONNECTIONS SHALL BE IN ACCORDANCE WITH ELEVATIONS NOTED ON PLANS. FLOW CHANNEL SHALL BE INCLUDED FOR STUBOUT CONNECTION TO FACILITATE SMOOTH TRANSITION TO OUTGOING SEWER.
 - IF MANHOLE CONSTRUCTED WITH PROTECTIVE LINER, ANTI-MICROBIAL CONCRETE ADDITIVE SHALL BE APPLIED TO CONCRETE FILL USED FOR MANHOLE INVERT.

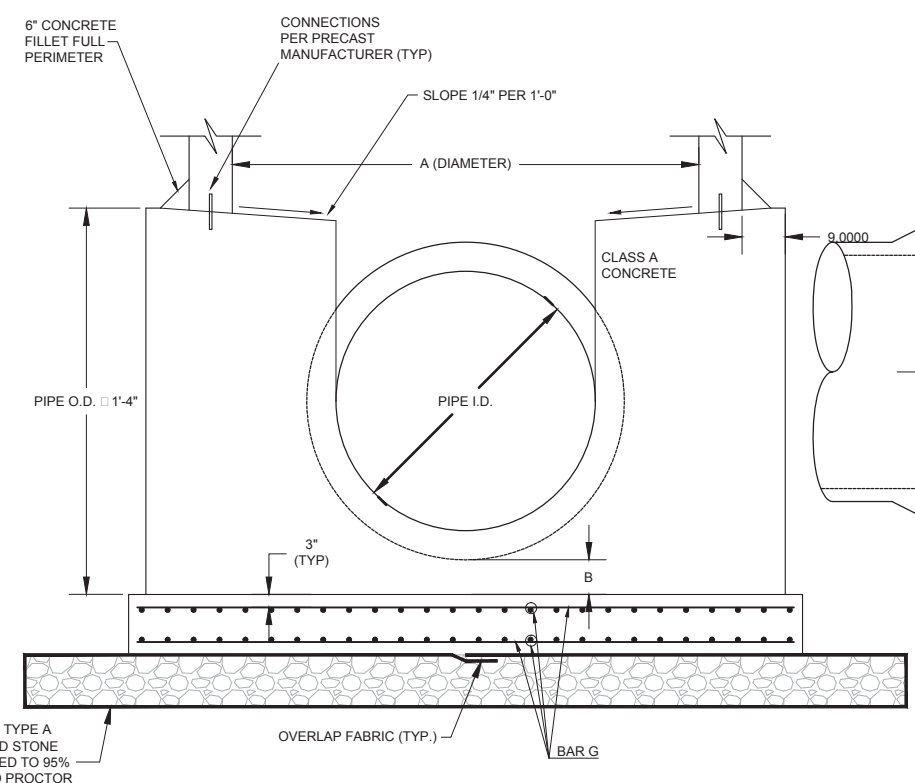


- NOTES:**
- PROVIDE LENGTH OF REINFORCEMENT UP TO 1'-6".
 - PROVIDE STANDARD 10" HOOK FOR BOTTOM BARS.
 - PROVIDE 3" CLEAR BETWEEN EDGE OF CONCRETE AND REINFORCING, TYP.

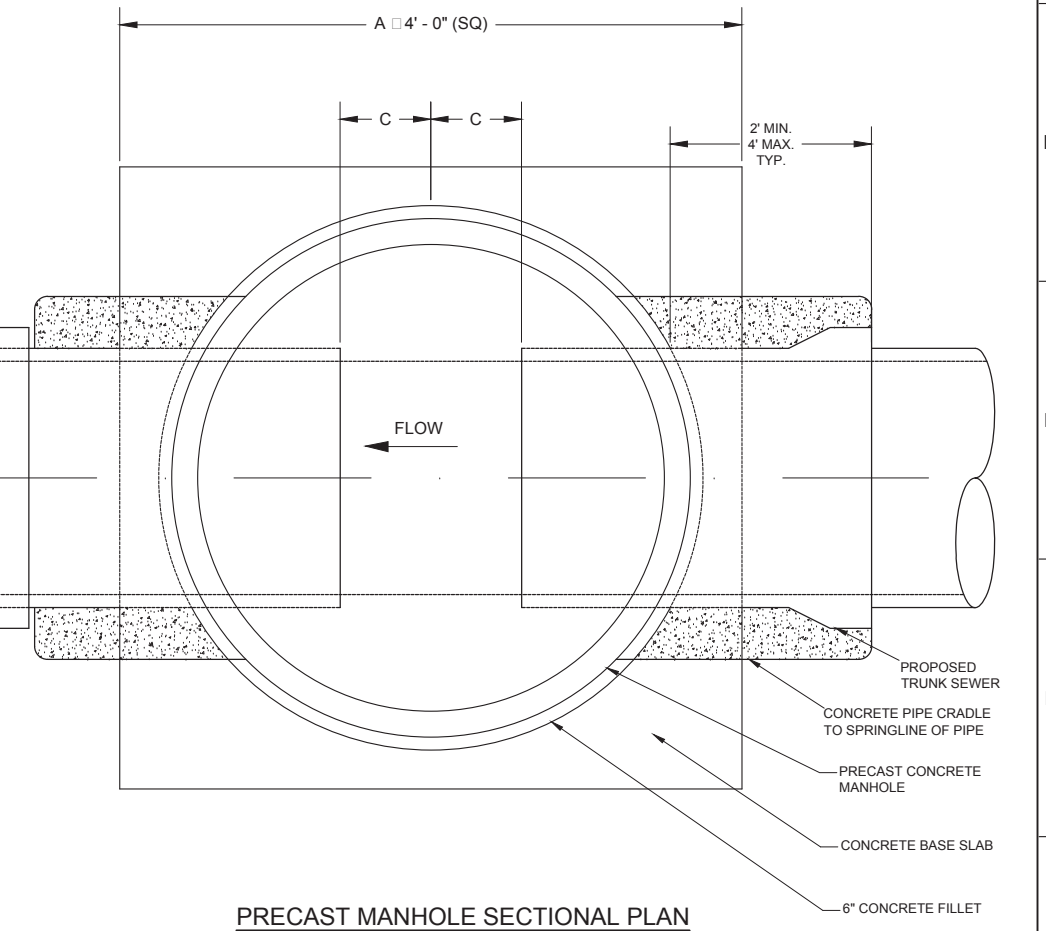
A PRECAST MANHOLE TOP
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PRECAST MANHOLE W/ PRECAST BASE



PRECAST MANHOLE W/ CAST-IN-PLACE BASE



PRECAST MANHOLE SECTIONAL PLAN

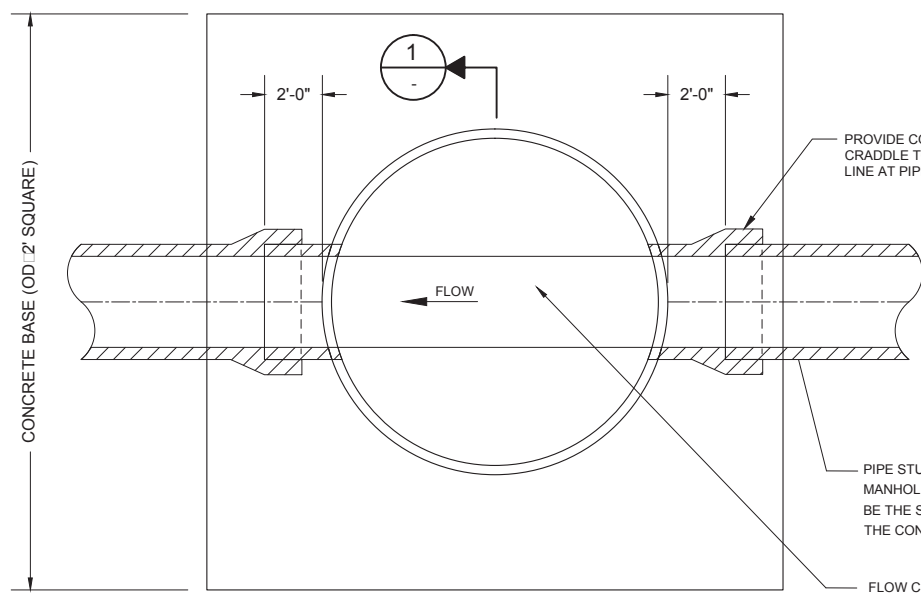
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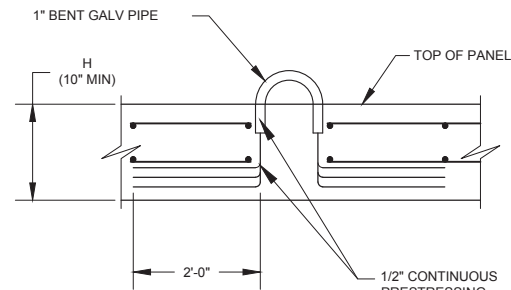
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CITY OF LINCOLN, NE		VERIFY SCALES	JOB NO. 10442A.10
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT		BAR IS ONE INCH ON ORIGINAL DRAWING	DRAWING NO. 105C-02
CIVIL		0 1"	SHEET NO. 56 OF 58
PRECAST MANHOLE DETAIL		IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	

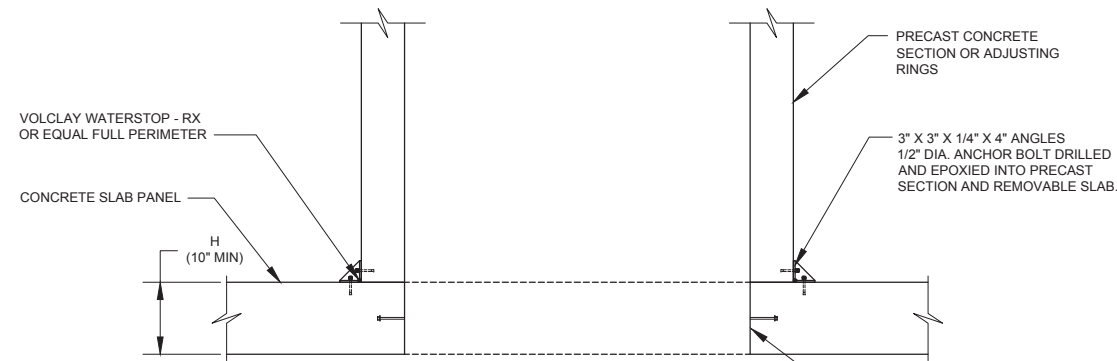


1 PLAN - FRP MANHOLE
SCALE: NTS
FILE: 6903C10-100-C-06

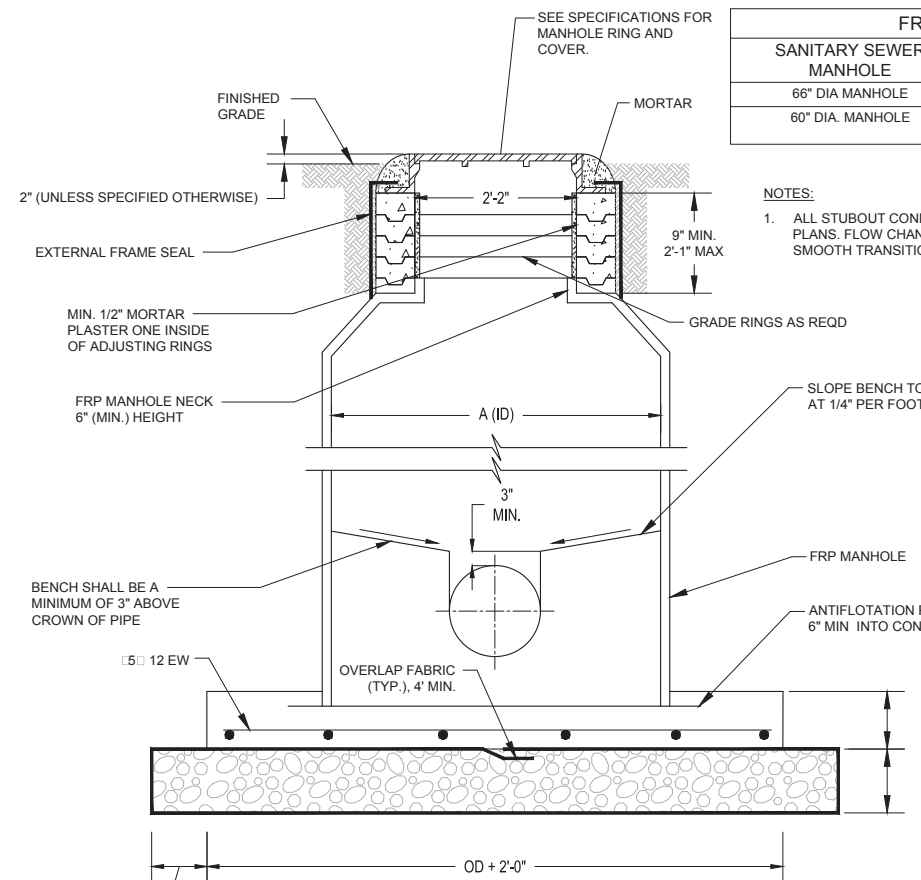


NOTE:
1. STRANDS MAY BE SPLAYED BY UP TO 45° TO MAINTAIN CLEAR COVER.

2 LIFTING DEVICE
SCALE: NTS
FILE: 10422A10105C03.dwg



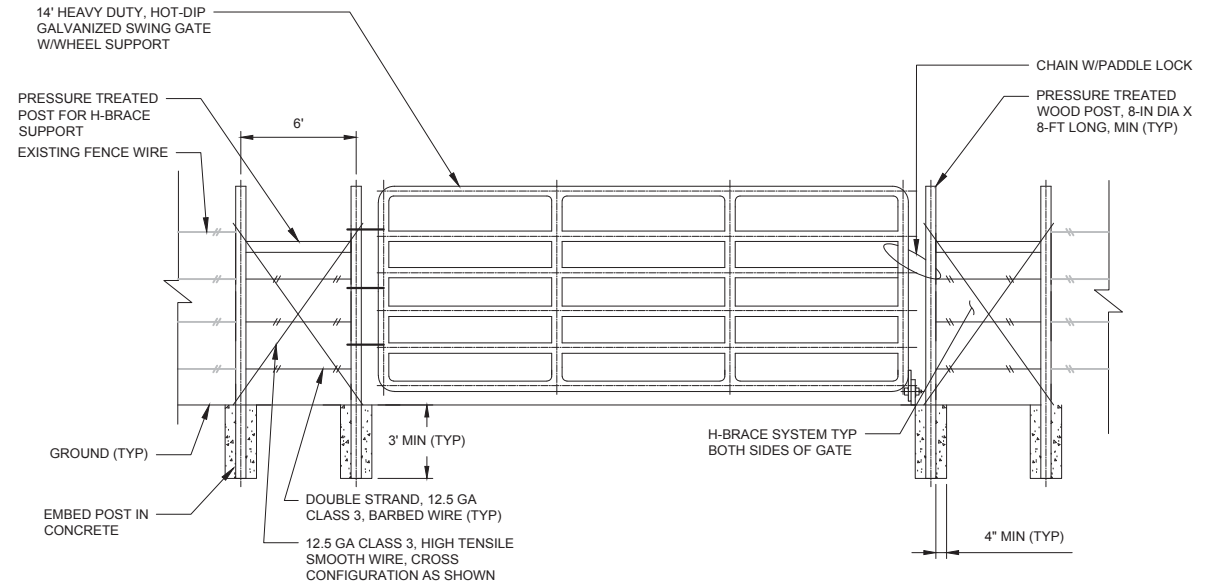
3 MANHOLE OPENING DETAIL
SCALE: NTS
FILE: 10422A10105C03.dwg



1 SECTION - FRP MANHOLE
SCALE: NTS
FILE: 10422A10105C03.dwg

FRP MANHOLE SCHEDULE		
SANITARY SEWER MANHOLE	MANHOLE NUMBER PER PLANS	A (DIM)
66" DIA MANHOLE	MH-25, MH-27	5'-6"
60" DIA. MANHOLE	ALL MH EXCEPT THOSE DENOTED AS 66" DIA.	5'-0"

NOTES:
1. ALL STUBOUT CONNECTIONS SHALL BE IN ACCORDANCE WITH ELEVATIONS NOTED ON THE PLANS. FLOW CHANNEL SHALL BE INCLUDED FOR STUBOUT CONNECTION TO FACILITATE SMOOTH TRANSITION TO OUTGOING SEWER.



NOTES:
1. GATE SHALL BE 6 BAR (MIN) CONSTRUCTION WITH 2" ROUND TUBING.
2. SUPPORT GATE WITH BOLT HOOK HARDWARE (MIN 3 SUPPORTS), INSTALLED THROUGH WOODEN POST.
3. PROVIDE SOLID RUBBER WHEEL SUPPORT, SIZE AND CAPACITY PER MANUFACTURER'S RECOMMENDATION.
4. ALL WIRING (INCLUDING EXISTING) SHALL BE DOUBLE WRAPPED AROUND POSTS AND BE TIGHTEN TO THE SATISFACTION OF THE INSPECTOR AND FASTENED WITH 1.5" BARBED STAPLES.
5. ALL HARDWARE SHALL BE HOT-DIP GALVANIZED.
6. PROVIDE HEAVY DUTY CHAIN OF SUFFICIENT LENGTH TO LOCK GATE. PROVIDE HEAVY DUTY PADDLE LOCK FOR OUTDOOR SERVICE, SUPPLY KEY TO CITY.
7. H-BRACE POST SHALL BE CONNECTED WITH H-BRACE HARDWARE KIT AND LAG BOLTS (3/4" DIA. MIN) THROUGH THE VERTICAL POSTS. DOUBLE WRAP TENSILE WIRE AROUND H-BRACE SYSTEM.

B PASTURE GATE
SCALE: NTS
FILE: 6903C10-100-C-06

PROJECT NO. 10442A.10
FILE NAME: 10422A10105C03.dwg
LAST SAVED BY: TPetris

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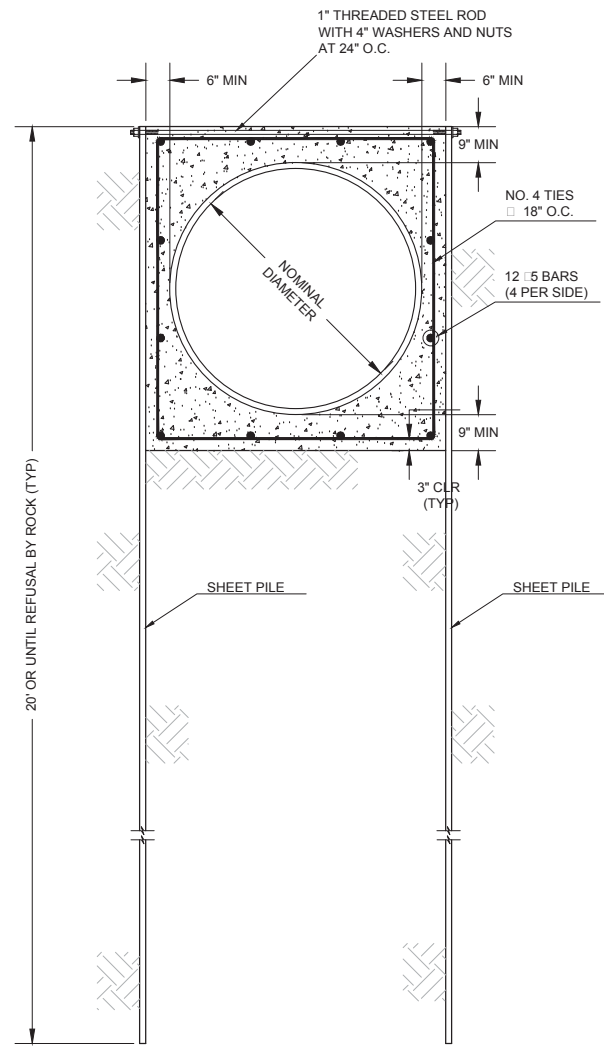
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CONFORMED DRAWINGS

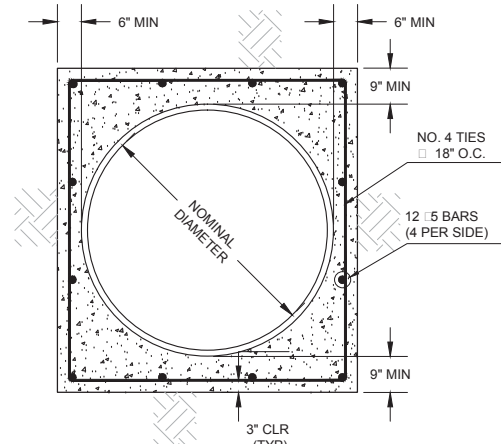


CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
CIVIL
FRP MANHOLE DETAIL AND MISCELLANEOUS DETAILS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 10442A.10 DRAWING NO. 105C-03 SHEET NO. 57 OF 58
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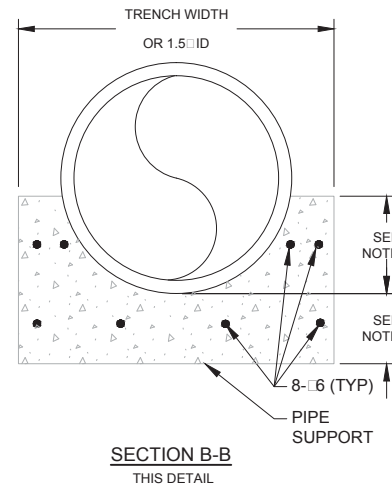
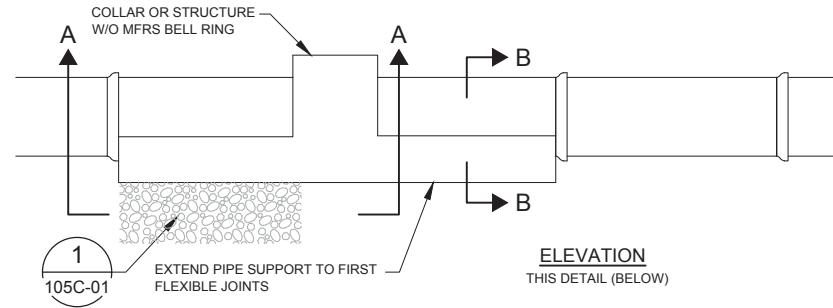


1 CONCRETE ENCASEMENT WITH SHEET PILE
SCALE: 1/2" = 1'-0"
FILE: -

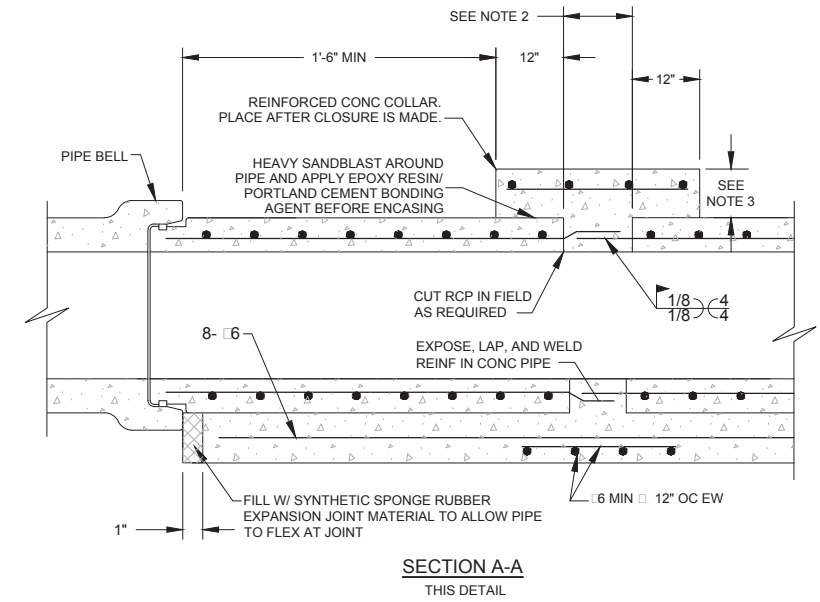


- CONCRETE ENCASEMENT NOTES:**
1. CONCRETE SHALL BE CLASS A.
 2. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
 3. SHEET PILE SHALL CONFORM TO ASTM A-328, MINIMUM SECTION THICKNESS OF 0.3-INCHES, MINIMUM SECTION DEPTH OF 9-INCHES, AND MINIMUM SECTION MODULUS OF 16-INCHES PER FOOT. SEE SPECIFICATION 02457 FOR ADDITIONAL REQUIREMENTS.
 4. SHEET PILE SHALL EXTEND THE FULL DEPTH AND WIDTH ON BOTH SIDES OF THE CONCRETE ENCASEMENT AS SHOWN.
 5. PROVIDE A PIPE JOINT FLUSH WITH THE END OF EACH SIDE OF THE CONCRETE ENCASEMENT.
 6. CONTRACTOR SHALL INSTALL THE CONCRETE ENCASEMENT IN A MANNER THAT WILL NOT ALLOW THE CARRIER PIPE TO FLOAT OR MOVE WHILE PLACING AND CURING THE CONCRETE.

2 CONCRETE ENCASEMENT WITHOUT SHEET PILE
SCALE: 1/2" = 1'-0"
FILE: -



3 DETAIL - RCP FIELD CLOSURE
SCALE: N.T.S.



- NOTES - DETAIL 3:**
1. EXCEPT WHERE INDICATED ON THE DRAWINGS, FIELD CLOSURE SHALL BE USED ONLY AS ACCEPTED BY ENGINEER. THE SAME TYPE AND DEPTH OF BEDDING USED UNDER THE PIPE SHALL BE USED UNDER THE FIELD CLOSURE.
 2. 6" MINIMUM. SPIGOT LENGTH PLUS 6" MAXIMUM. WHERE GAP LARGER THAN 6", USE SPLICE BAR TO WELD TO REINFORCING BARS AT ENDS OF SPLICED SECTIONS OF PIPE. SPLICE BAR DIA SAME AS BARS BEING SPLICED.
 3. 1/4" x PIPE I.D. (6" MIN. & 18" MAX.)
 4. FIELD CLOSURES ARE NOT TO BE INSTALLED IN THE FIRST THREE JOINTS OF A STRUCTURE.
 5. FIELD CLOSURES SHALL BE USED IN LOCATIONS DOWNSTREAM OF STRUCTURES TO CHANGE THE DIRECTIONS OF THE BELLS, AND WHERE REQUIRED TO MAKE PIPE CLOSURES.

PROJECT NO. 10442A.10
FILE NAME: 10422A10105C04.dwg
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DATE OCTOBER 2017	



CITY OF LINCOLN, NE
STEVENS CREEK SUB-BASIN E3 SANITARY SEWER PROJECT
CIVIL
MISCELLANEOUS DETAILS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 10442A.10
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING NO. 105C-04
	SHEET NO. 58 OF 58