

Received Date

**LANCASTER COUNTY
555 SOUTH 10TH STREET
LINCOLN, NE 68508**

Utility Permit No.

Application Date

**Application to Construct
Utilities On County property**

Project or WO No.

Contract No.

County Rep.

Application is hereby made to LANCASTER COUNTY by:

Name:

Company Name:

Phone:

Address:

E-Mail:

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

LEGAL DESCRIPTION:

UTILITY TO BE CONSTRUCTED

TYPE

DESCRIPTION

ANNOTATION

Other

PROPOSED UTILITY INSTALLATION

METHOD

SIZE/WIDTH

DESCRIPTION

DEPTH

DESCRIPTION

Other

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

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 Bob Jacobs 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 _____ 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.

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 _____ (utility) _____ in accordance with the permit requirements and 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:

Barricade, Signing and Flagging Requirements:

Methods of Installation:

Minimum Cover Provided in Road Ditches:

Other Requirements:

Additional Comments:

**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)
2/15/2017

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 have ADDITIONAL INSURED provisions or 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 Cottingham & Butler Rod Dettbarn 800 Main St. Dubuque IA 52001	CONTACT NAME: PHONE (A/C, No, Ext): 563-587-5000		FAX (A/C, No): 563-583-7339
	E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE			NAIC #
INSURER A: Westchester Surplus Lines Insurance			10172
INSURER B: Amerisure Insurance Company			19488
INSURER C:			
INSURER D:			
INSURER E:			
INSURER F:			

INSURED **BAUUND1**
 Bauer Underground, Inc., Rowdy Investments, LLC,
 SBJ Construction Equipment Leasing Company
 1710 N. Airport Road
 Norfolk NE 68701

COVERAGES **CERTIFICATE NUMBER: 184860160** **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	
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			CPP 2103519 0001	12/11/2016	12/11/2017	EACH OCCURRENCE	\$1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$300,000
							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
							Employee Benefits	\$\$1M/\$2M occ/agg
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			CA 2103518 0001	12/11/2016	12/11/2017	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 DED <input type="checkbox"/> RETENTION \$			CU 2103520 0002	12/11/2016	12/11/2017	EACH OCCURRENCE	\$5,000,000
							AGGREGATE	\$5,000,000
								\$
B	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	WC 2103521 0005	12/11/2016	12/11/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	
							E.L. EACH ACCIDENT	\$1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$1,000,000
							E.L. DISEASE - POLICY LIMIT	\$1,000,000
B A	Property/Inland Marine Pollution			CPP 2103519 0001 G27501904002	12/11/2016 12/11/2015	12/11/2017 12/11/2017	Contractors Equip. Mold General Aggregate	\$4,036,125 1,000,000 2,000,000

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

Lancaster County is additional insured on the general liability policy subject to all terms and conditions of the policy forms.

CERTIFICATE HOLDER

CANCELLATION

Lancaster County 444 Cherrycreek Rd Lincoln NE 68528	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 

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – STATE OR GOVERNMENTAL
AGENCY OR SUBDIVISION OR POLITICAL
SUBDIVISION – PERMITS OR AUTHORIZATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

<p>State Or Governmental Agency Or Subdivision Or Political Subdivision:</p> <p>LANCASTER COUNTY</p>
<p>Information required to complete this Schedule, if not shown above, will be shown in the Declarations.</p>

A. Section II – Who Is An Insured is amended to include as an additional insured any state or governmental agency or subdivision or political subdivision shown in the Schedule, subject to the following provisions:

- 1. 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.

However:

- a. The insurance afforded to such additional insured only applies to the extent permitted by law; and
- b. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

2. This insurance does not apply to:

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

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

- 1. Required by the contract or agreement; or
 - 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

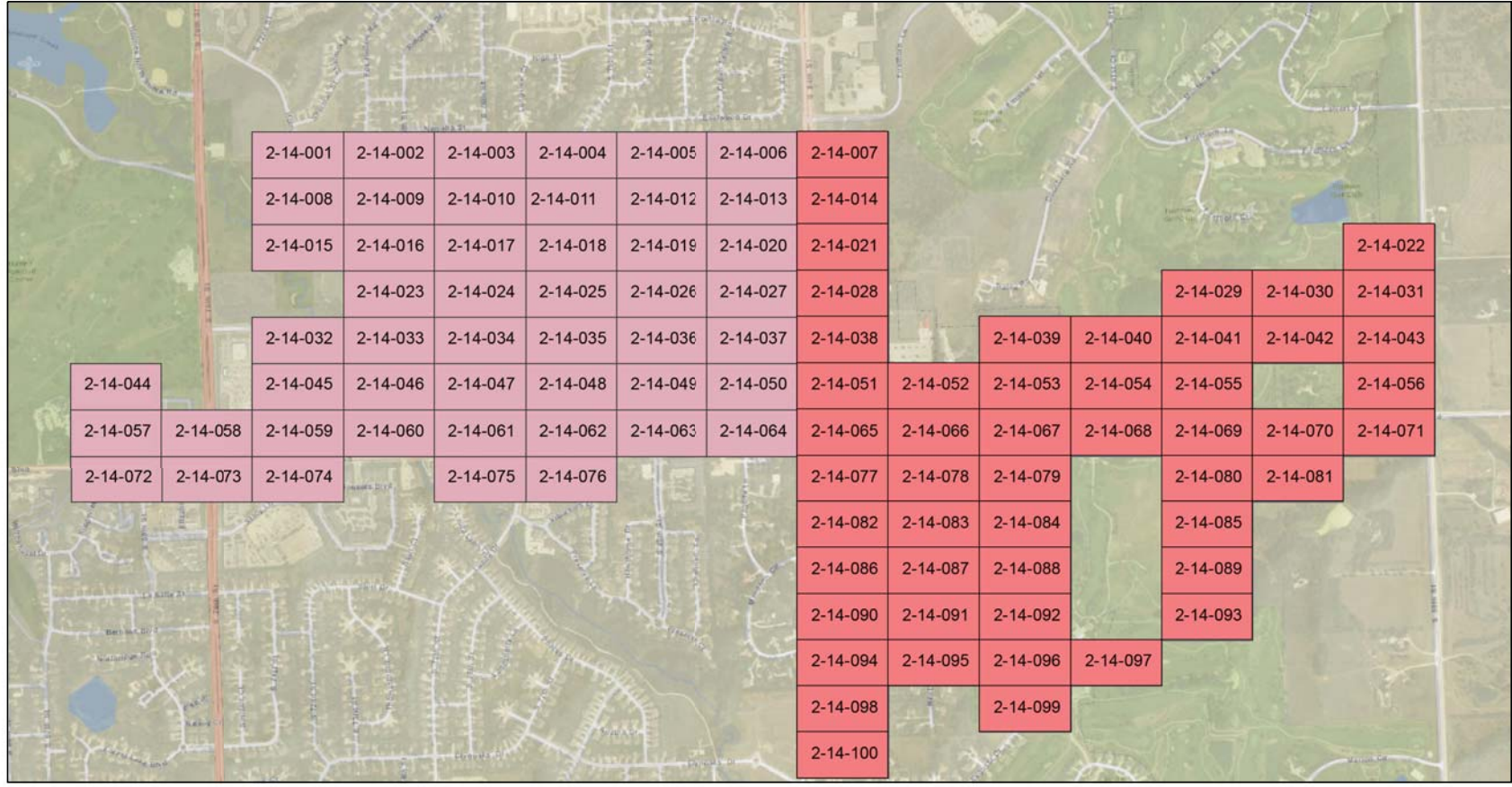
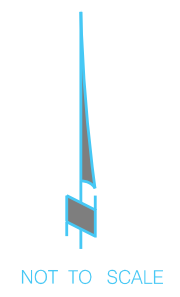
This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

PROJECT COORDINATION CONTACTS			
NAME	AGENCY	PHONE NUMBER	EMAIL
SCOTT OPFER	ROW CONSTRUCTION MANAGER	402-525-5619	SOPFER@LINCOLN.NE.GOV
BARNIE BLUM	INSPECTOR	402-326-5972	BBLUM@LINCOLN.NE.GOV
BENJAMIN COSIER	CITY TRAFFIC	402-326-0518	BCOSIER@LINCOLN.NE.GOV
TERRY KATHE	BUILDING & SAFETY	402-441-6447	TKATHE@LINCOLN.NE.GOV
STEVE YOUNG	LES	402-467-7632	SYOUNG@LES.COM
GREG SORGENFREI	ALLO	531-289-0144	GSORGENFREI@ALLOPHONE.NET

CITY OF LINCOLN, NEBRASKA

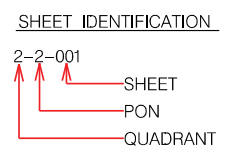
ALLO COMMUNICATIONS FTTH

QUADRANT 2 - PON 14 - SUBAREA 2



PERMITS REQUIRED	
SHT. NO.	DESCRIPTION
7, 14, 21-22, 28-31, 38-43, 51-56, 65-71, 77-100	CITY FIBER
38, 52	PRIVATE EASEMENT
22, 29-31, 39-43, 53-56, 67-70, 79-81, 84-85	LANCASTER COUNTY

SHT. NO.	SHEET INDEX
C.1	COVER
B.1	BILL OF MATERIALS
G.1	GENERAL NOTES
D.1-D.4	DETAILS
T.1-T.3	TRAFFIC CONTROL
7, 14, 21-22, 28-31, 38-43, 51-56, 65-71, 77-100	DISTRIBUTION DESIGN



PRIOR TO CONSTRUCTION:

CALL: 811 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, CABLE TELEVISION AND CITY OF LINCOLN UTILITIES.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES AND EASEMENT BOUNDARIES HAVE BEEN PLOTTED FROM AVAILABLE GIS INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.



COVER

USER: ssebak
 DATE: 08\03\2016
 DGN: F:\Projects\015-3315-10-Design\Microstation\Telecom_LNK_Lincoln_FTTH_FTTH\Sheets\CD2\PON14\SUBAREA_2\C.1_Cover.dgn



Bill of Materials - Assemblies

Quadrant 2 - PON 14

Description	Units	Amount
ALLO Drop Pedestal	Ea.	75
ALLO MST Pedestal - Small	Ea.	40
ALLO PON Cabinet (Max 1152 Ports)	Ea.	1
HH Ground Rod	Ea.	18
HH Ground Bar	Ea.	18
ALLO MST Pedestal - Large	Ea.	99
12 Port MST	Ea.	36
12 Port MST - 1000' Buried	Ea.	10
12 Port MST - 1250' Buried	Ea.	7
12 Port MST - 1500' Buried	Ea.	6
12 Port MST - 500' Buried	Ea.	4
12 Port MST - 750' Buried	Ea.	8
2 Port MST	Ea.	19
2 Port MST - 1000' Buried	Ea.	4
2 Port MST - 1250' Buried	Ea.	3
2 Port MST - 1500' Buried	Ea.	4
2 Port MST - 1750' Buried	Ea.	1
2 Port MST - 250' Buried	Ea.	1
2 Port MST - 500' Buried	Ea.	3
2 Port MST - 750' Buried	Ea.	3
4 Port MST	Ea.	21
4 Port MST - 1000' Buried	Ea.	4
4 Port MST - 1250' Buried	Ea.	5
4 Port MST - 1500' Buried	Ea.	5
4 Port MST - 1750' Buried	Ea.	1
4 Port MST - 500' Buried	Ea.	1
4 Port MST - 750' Buried	Ea.	5
6 Port MST	Ea.	35
6 Port MST - 1000' Buried	Ea.	7
6 Port MST - 1250' Buried	Ea.	9
6 Port MST - 1500' Buried	Ea.	9
6 Port MST - 1750' Buried	Ea.	1
6 Port MST - 250' Buried	Ea.	1
6 Port MST - 500' Buried	Ea.	5
6 Port MST - 750' Buried	Ea.	3
8 Port MST	Ea.	28
8 Port MST - 1000' Buried	Ea.	5
8 Port MST - 1250' Buried	Ea.	5
8 Port MST - 1500' Buried	Ea.	2
8 Port MST - 250' Buried	Ea.	1
8 Port MST - 500' Buried	Ea.	8
8 Port MST - 750' Buried	Ea.	7
ALLO 30x60x36 Maintenance Vault	Ea.	1
ALLO 24x36x24 Pull Box	Ea.	64
ALLO 1- 1 1/4" Conduit	Ft.	150946
City 2 Pack	Ft.	15379
City 4 Pack	Ft.	646
City 5 Pack	Ft.	4736
City 6 Pack	Ft.	496
Bore Length of Conduit	Ft.	83387
Fabric Innerduct	Ft.	3638
Coyote 6.5x17 Dome Splice Encloser	Ea.	6
Coyote 6.5x22 Dome Splice Encloser	Ea.	2
Coyote 9.5x19 Dome Splice Encloser	Ea.	1
Coyote 9.5x28 Dome Splice Encloser	Ea.	8
Underground 288F	Ft.	10370
Underground 432F	Ft.	4660
Underground 576F	Ft.	9747
Underground 864F	Ft.	4159
Underground 96F	Ft.	1505
ALLO 30x48x36 Splice Vault	Ea.	18
T48 Vault	Ea.	16
Remove Pull Box	Ea.	14
Remove and Replace Sidewalk Panel	Ea.	3
Mobilization	LS	1
Traffic Control	LS	1

QUADRANT 2 - PON 14 - SUBAREA 2

CITY OF LINCOLN BROADBAND INFRASTRUCTURE		
ITEM	UNIT	QUANTITY
2-Pack Main Line Conduit Group	LF.	4,839
City T48 Pull Box	EA.	9
Ground Rod	EA.	9
Ground Bar	EA.	9

USER: ssebak
DATE: 08\03\2016
DGN: F:\Projects\015-3315\40-Design\Microstation\Telecom_LNK_Lincoln_FTTH_Sheets\CD2\PON14\SUBAREA_2\B,1_Bill of Materials.dgn



- THE CITY PUBLIC WORKS AND UTILITIES DEPARTMENT, RIGHT OF WAY CONSTRUCTION SECTION SHALL BE NOTIFIED A MINIMUM OF FORTY EIGHT (48) HOURS IN ADVANCE OF INITIAL PROJECT CONSTRUCTION.
- THE UTILITY COMPANY AND THE CONTRACTOR(S) ARE RESPONSIBLE TO HAVE AT LEAST ONE PERSON ON THE JOB SITE AT ALL TIMES, THAT IS "SITE SUPERVISOR" CERTIFIED.
- THE CONTRACTOR SHALL ADHERE TO THE CURRENT CITY OF LINCOLN STANDARD SPECIFICATIONS, APPROVED SPECIAL PROVISIONS, LINCOLN STANDARD PLANS, RIGHT-OF-WAY CONSTRUCTION PROCEDURES MANUAL AND THE LINCOLN MUNICIPAL CODE.
- THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITY FACILITIES MAY NOT BE INDICATED ON THE PROJECT PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE NEBRASKA 811 ONE CALL NOTIFICATION CENTER (DIAL 811) FORTY-EIGHT (48) HOURS PRIOR TO WORKING IN THE CITY RIGHT OF WAY. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF THE UNDERGROUND UTILITIES UNTIL ALL FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL UNDERGROUND AND AERIAL UTILITIES AND INFRASTRUCTURE.
- WHENEVER UNDERGROUND FACILITIES ARE IN CLOSE PROXIMITY TO THE PROPOSED PATHWAY LOCATION OR WHENEVER THE VERTICAL LOCATION OF THE UNDERGROUND FACILITY IS UNKNOWN, THE PERMITTEE SHALL USE SPECIAL MEASURES TO DETERMINE THE LOCATIONS OF SUCH UNDERGROUND FACILITIES.
 - IF THE PERMITTEE IS CONDUCTING THE EXCAVATION BY DIGGING FROM THE SUFACE, WHEN IN A CLOSE PROXIMITY TO THE UNDERGROUND FACILITIES, THE PERMITTEE SHALL USE HAND DIGGING, HYDRO EXCAVATING, AIR EXCAVATING, OR ANY OTHER TECHNIQUES THAT ARE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND UTILITIES TO LOCATE SUCH FACILITY.
 - IF THE PERMITTEE IS CONDUCTING THE EXCAVATION BY TUNNELING OR BORING, THE PERMITTEE SHALL DETERMINE THE VERTICAL LOCATION OF THE UNDERGROUND FACILITY BY POTHOLING OR ANY OTHER METHOD APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND UTILITIES.
- PROJECT PLANS SHALL DIMENSION NEW FACILITIES BEING INSTALLED. MEASUREMENTS SHALL BE TAKEN FROM EXISTING ADJACENT VISIBLE STRUCTURES (CURBS, POLES, CABINETS, MANHOLES, INLETS, FIRE HYDRANTS, ETC.) CLEARLY IDENTIFYING LOCATION OF SUCH FACILITY. THE CONTRACTOR SHALL VERIFY DIMENSIONS TAKEN FROM CITY OF LINCOLN FILES.
- UNLESS AGREED TO IN WRITING IN ADVANCE BY THE CITY OF LINCOLN, THE DEPTH OF INSTALLED FACILITIES IN CITY ROW SHALL BE AT A MINIMUM AS FOLLOWS.
 - FORTY-TWO (42) INCHES IN SOIL.
 - FORTY-TWO (42) INCHES BELOW A PROJECTED SLOPE FROM THE FLOW LINE OF A DITCH AT A THREE (3) HORIZONTAL AND ONE (1) VERTICAL SLOPE.
 - FORTY-EIGHT (48) INCHES UNDER A ROADWAY MEASURED FROM THE SURFACE OF SAID ROADWAY TO THE TOP OF THE INSTALLATION.
 - FORTY-EIGHT (48) INCHES UNDER A STORM WATER OR CREEK CHANNEL DESIGN BOTTOM OF PIPE, AND
 - MAINTAIN A MINIMUM OF TWENTY-FOUR (24) INCHES OF VERTICAL AND HORIZONTAL SPACING FROM EXISTING UTILITIES.
 - BE LOCATED AS FAR FROM THE EXISTING OR PROPOSED CURB LINE AS POSSIBLE TO AVOID POTENTIAL FUTURE CONFLICTS.
- ALL POTHOLES IN SIDEWALK PANELS WILL REQUIRE FULL PANEL REPLACEMENT. IF COLORED, TEXTURED OR PATTERNED CONCRETE IS EXISTING, REPLACEMENT PANELS WILL BE REPLACED TO MATCH AS PRACTICABLE. OWNER MAY BE REQUIRED TO PUT MONEY INTO ESCROW TO COVER ALL REPAIRS PRIOR TO STARTING WORK.
- CONTRACTOR IS REQUIRED TO CONTACT AND COORDINATE WITH THE CITY TRAFFIC SIGNAL SHOP PRIOR TO PULLING FIBER/CABLES INTO THE CITY'S CONDUIT/DUCT SYSTEM. CITY FIBER IS NOT TO BE DOWN MORE THAN THREE (3) DAYS. CONTRACTOR TO DETERMINE AND RE-TERMINATE ALL FIBER STRANDS WITH SIMILAR CONNECTIONS PER CITY OF LINCOLN STANDARD SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR FIBER AND IT IS RECOMMENDED TO PRE-TEST FIBER. ALL FIBER WILL BE TEST WITH AN OTDR AFTER INSTALLATION.
- ALL NON-STREET SURFACE MATERIALS THAT ARE DISTURBED BY EXCAVATION AND BACKFILLING OPERATIONS SHALL BE REPLACED AND RESTORED.
- CITY STREET SURFACE MATERIALS DISTURBED SHALL BE BACKFILLED, TAMPED AND REPAVED BY CITY FORCES OR APPROVED PAVING CONTRACTOR.
- IF SIDEWALK, WHEEL CHAIR RAMPS OR ANY PORTION OF THE PEDESTRIAN FACILITIES ARE REMOVED OR CLOSED, A PEDESTRIAN DETOUR SHALL BE ESTABLISHED AND MAINTAINED DURING THE TIME OF THE CLOSURE AND THE ENTIRE PEDESTRIAN FACILITY SHALL BE RESTORED WITHIN SEVENTY-TWO (72) HOURS, UNLESS THE CONTRACTOR PROVIDES A HARD SURFACE SURFACE ALTERNATE ROUTE APPROVED BY THE CITY.
- ALL PEDESTRIAN DETOURS AND ANY RECONSTRUCTION OF PEDESTRIAN FACILITIES SHALL MEET CURRENT AMERICANS WITH DISABILITY ACT (ADA) STANDARDS AND SPECIFICATIONS.
- ALL PEDESTRIAN DETOURS SHALL BE PART OF AN APPROVED TRAFFIC CONTROL PLAN (TCP).

- ALL HOLES MADE IN CITY OF LINCOLN PAVEMENTS FOR THE PURPOSE OF PERFORMING VACUUM EXCAVATIONS TO LOCATE UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION WITH THE REINSTATED CORE FLUSH WITH AND IN THE ORIGINAL OREINTATION AS THE EXISTING SURFACE MATCHING EXISTING PAVEMENT SURFACE APPEARANCE.
- WHEN THE CONTRACTOR IS NOT ACTIVELY WORKING; ALL EQUIPMENT, FENCING, DEBRIS, ETC. SHALL NOT BE PLACED WITHIN THE TRIANGULAR AREA REQUIRED FOR SIGHT DISTANCE OF VEHICLES EXITING OR ENTERING AN ADJACENT PROPERTY OR INTERSECTION.
- ALL EXCAVATIONS SHALL BE ADEQUATELY FENCED AND COVERED WHEN CONTRACTOR IS NOT PRESENT OR PROJECT SITE LEFT UNATTENDED.
- NO LANE CLOSURES ALLOWED ON ARTERIAL STREETS DURING AM AND PM PEAK HOURS OR FROM NOON THE DAY BEFORE TO NOON THE DAY AFTER A UNIVERSITY OF NEBRASKA HOME FOOTBALL GAME UNLESS APPROVED BY CITY TRAFFIC AND RIGHT OF WAY CONSTRUCTION SECTION(S) STAFF.
- ALL WORK ZONE TRAFFIC CONTROL, INCLUDING PEDESTRIAN CONTROL MEASURES, SHALL BE IN COMPLIANCE WITH THE MUTCD, ADA, AND THE CITY STANDARD SPECIFICATIONS AND THE LINCOLN TRAFFIC CONTROL GUIDELINES.
- IF THE UTILITY INSTALLATION DEVIATES FROM THE DESIGN, THE TRAFFIC CONTROL SUPERVISOR (TCS) IS RESPONSIBLE FOR VERIFYING WITH THE CITY OF LINCOLN OR THE ENGINEER THAT (TCP) CHANGES ARE NOT REQUIRED.
- THE CONTRACTOR'S TRAFFIC CONTROL SUPERVISOR (TCS) REQUIRES A CURRENT CERTIFICATION IN WORK ZONE TRAFFIC CONTROL, THE (TCS) SHALL FOLLOW THE LINCOLN TRAFFIC CONTROL GUIDELINES (LTCG) FOR: CONSTRUCTION, MAINTENANCE OR UTILITY ACTIVITIES VEHICLES AND PEDESTRIANS CURRENT EDITION.
- THE CONTRACTOR SHALL NOTIFY ALL AFFECTED OWNERS OF ADJACENT PROPERTIES A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING OF CONSTRUCTION AND PROVIDE UPDATES TO THE AFFECTED OWNERS WHEN CONSTRUCTION PHASES CHANGE THAT AFFECT THE AREAS OF WORK ASSOCIATED WITH THE PERMIT.
- THE CONTRACTOR SHALL MAINTAIN A SET OF "AS BUILT" PLANS ON SITE WITH DIMENSIONING. THESE PLANS SHALL BE PRESENTED UPON REQUEST TO ANY CITY OF LINCOLN REPRESENTATIVE.
- FINAL "AS BUILT" PLANS SHALL BE FILED WITH THE CITY WITHIN 30 DAYS OF THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL FOLLOW CONSTRUCTION STANDARDS PERTAINING TO LATERAL CORRIDOR FACILITY PLACEMENT AND MINIMUM DEPTH REQUIREMENTS AND CLEARANCE REQUIREMENTS OF OTHER FACILITIES.
- A CURRENT CITY RIGHT OF WAY CONSTRUCTION PERMIT SHALL BE MAINTAINED ON EACH WORK SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL PRESENT SUCH PERMIT UPON REQUEST TO ANY CITY OF LINCOLN REPRESENTATIVE.
- ANY FIELD ADJUSTMENTS TO INSTALLATION OF FACILITIES, WHICH VARY FROM THE PLANS THAT HAVE BEEN SUBMITTED AND APPROVED DURING THE PERMIT APPLICATION PROCESS, SHALL COMPLY WITH THE FOLLOWING:
 - THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND CONTRACT THE FACILITY OWNER.
 - THE FACILITY OWNER'S REPRESENTATIVE SHALL CONTACT THE CITY OF LINCOLN RIGHT-OF-WAY CONSTRUCTION INSPECTOR AND PROVIDE HIM WITH THE DETAILS OF THE PROPOSED CHANGES.
 - THE ROW INSPECTOR WILL MAKE A DETERMINATION ON HOW TO PROCEED. THIS DETERMINATION MAY RANGE FROM APPROVAL OVER THE PHONE OR VIA EMAIL TO DELAYING THE PROJECT UNTIL PLANS CAN BE UPDATED AND APPROPRIATE REVIEW CAN BE CONDUCTED.

LANCASTER COUNTY PROJECT NOTES

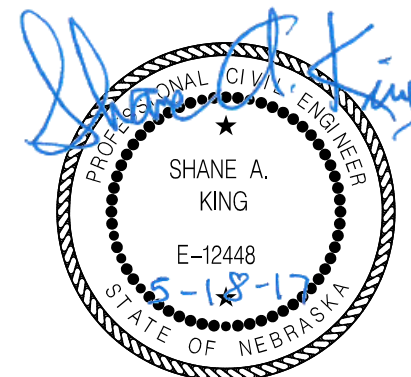
- UNLESS AGREED TO IN WRITING IN ADVANCE BY THE OWNER, THE DEPTH OF INSTALLED FACILITIES SHALL BE, AT A MINIMUM, AS FOLLOWS:
 - FOR UTILITY INSTALLATION PARALLEL TO THE ROADWAY, THE MINIMUM DEPTH OF BURIAL WILL BE (42) INCHES ((48) IN ROAD DITCHES) MEASURED FROM THE GROUND SURFACE TO THE TOP OF THE UTILITY, EXCEPT AS NOTED IN "C" BELOW.
 - FOR UTILITY INSTALLATION TRANSVERSE TO THE ROADWAY THE MINIMUM DEPTH OF BURIAL WILL BE (48) INCHES MEASURED FROM THE GROUND SURFACE TO THE TOP OF THE UTILITY, EXCEPT AS NOTED IN "C" BELOW.
 - THE MINIMUM DEPTH OF BURIAL BENEATH DRAINAGE STRUCTURES, WATERWAYS, CREEK CHANNELS, OR CULVERTS WITHIN (5) FEET OF THE UTILITY ROUTE WILL BE (72) INCHES, MEASURED FROM THE FLOW LINE OF THE DRAINAGE STRUCTURE, WATERWAY, OR CREEK CHANNEL (WHICHEVER IS LOWER), TO THE TOP OF THE UTILITY.
 - NO UTILITY WILL BE BURIED DIRECTLY ABOVE A DRAINAGE STRUCTURE, REGARDLESS OF BURIAL DEPTH.
 - ALL CROSSINGS WITH EXISTING UTILITIES WILL BE SEPARATED BY A MINIMUM OF (24) INCHES, BOTH HORIZONTALLY AND VERTICALLY.
 - ALL PAVED ROAD AND PAVED DRIVEWAY CROSSINGS WILL BE DRY-BORED.

SPECIAL NOTES

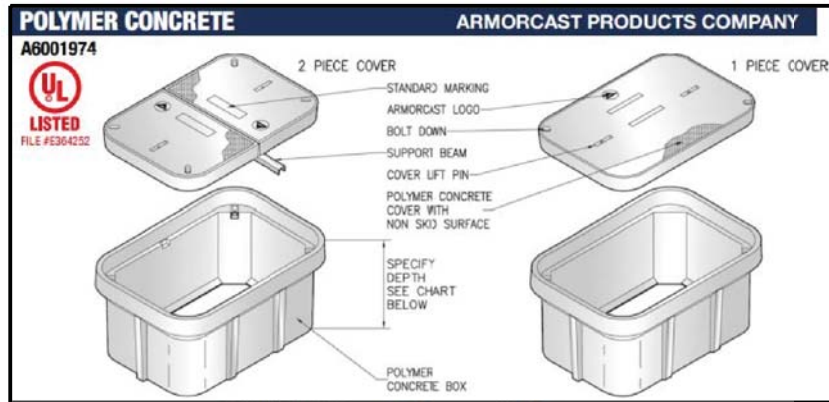
- | | |
|---|---|
| 1. INSTALLATION SHALL ADHERE TO REQUIREMENTS OUTLINED IN THE CITY'S TELECOMMUNICATIONS DESIGN AND CONSTRUCTION STANDARDS. | 5. THE CONTRACTOR WILL INSTALL A 2" CONDUIT IN LIEU OF 1.25" WHERE FIBER CABLE IS 576 OR GREATER. |
| 2. ALL CONDUIT SHALL BE BORED UNLESS SPECIFIED OTHERWISE. | 6. THE CONTRACTOR SHALL BYPASS ALL MST PEDESTALS WITH DISTRIBUTION CONDUIT WHERE INSTALLED PARALLEL TO MST CONDUIT. |
| 3. EASEMENT FILES WERE PROVIDED BY OTHERS. OLSSON DOES NOT CERTIFY EXISTENCE OR DIMENSION ACCURACY. | 7. ALLO WILL RESTORE ANY LANDSCAPING AFFECTED BY CONSTRUCTION TO THE SAME OR BETTER CONDITION THAN PRIOR TO CONSTRUCTION. |
| 4. CONTRACTORS SHALL NOTIFY LAND OWNER PRIOR TO WORK ON ALL PRIVATE DEVELOPMENTS. | |

LEGEND OF SYMBOLS

- LES Pedestal
- ALLO MST Pedestal - Small
- ALLO Drop Pedestal
- ALLO MST Pedestal - Large
- PON Cabinet
- ALLO Splice Vault
- ALLO Pull Box
- City Pullbox
- Traffic Cabinet
- Manhole
- Transformer
- Hydrant
- Inlet
- Lift Station
- Meter
- Valve
- City Conduit
- ALLO Conduit
- Backbone Fiber
- Distribution Fiber
- Feeder Fiber
- MST Tail
- Alley Main Inventory
- Waste Water
- Water Service
- Storm Water
- Stream
- Watermain
- Edge of Pavement
- Proposed Private Easement
- Existing Easement Centerline
- Existing LES Easement
- Existing Utility Easement
- Property / ROW



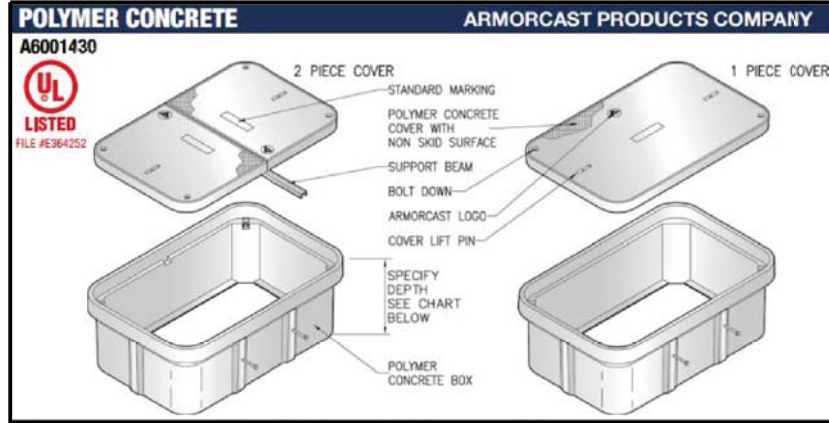
GENERAL NOTES



DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	24" x 36" x 24"	20K	15	A6001974TAPCX24

ALLO PULL BOX

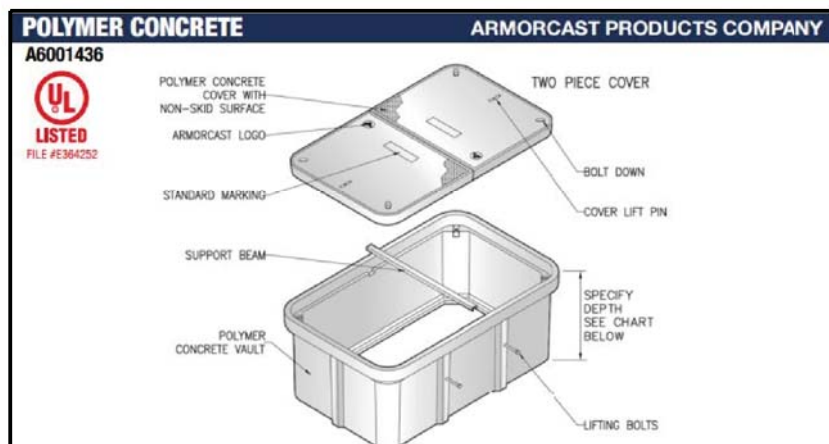
- NOTES:
- ALLO PULL BOX SHALL HAVE 1 PIECE COVER
 - ALLO PULL BOX SHALL BE LABELED "FIBER OPTICS"



DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	30" x 48" x 36"	20K	15	A6001430TAPCX36

ALLO SPLICE VAULT AND CITY T48 PULL BOX

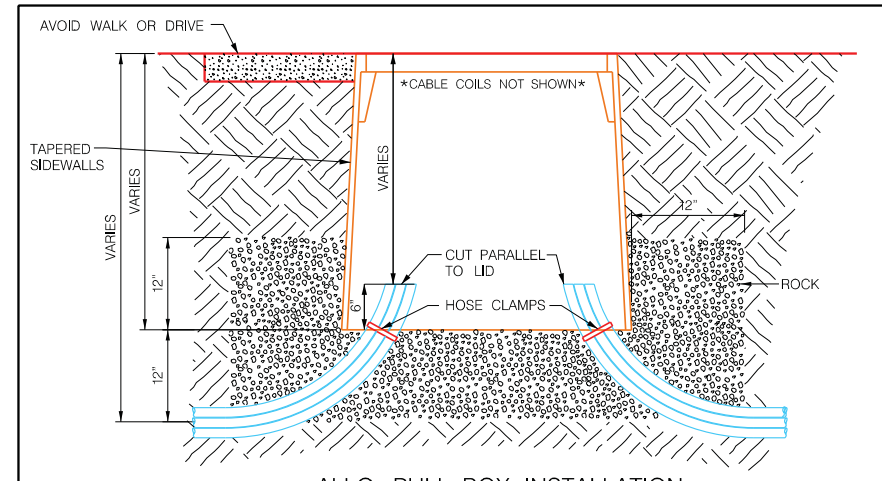
- NOTES:
- ALLO SPLICE VAULT SHALL HAVE 1 PIECE COVER
 - CITY T48 PULL BOX SHALL HAVE 2 PIECE COVER
 - ALLO SPLICE VAULT SHALL BE LABELED "FIBER OPTICS"
 - CITY T48 PULL BOX SHALL BE LABELED "FIBER"



DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	36" x 60" x 36"	20K	15	A6001436TAPCX36

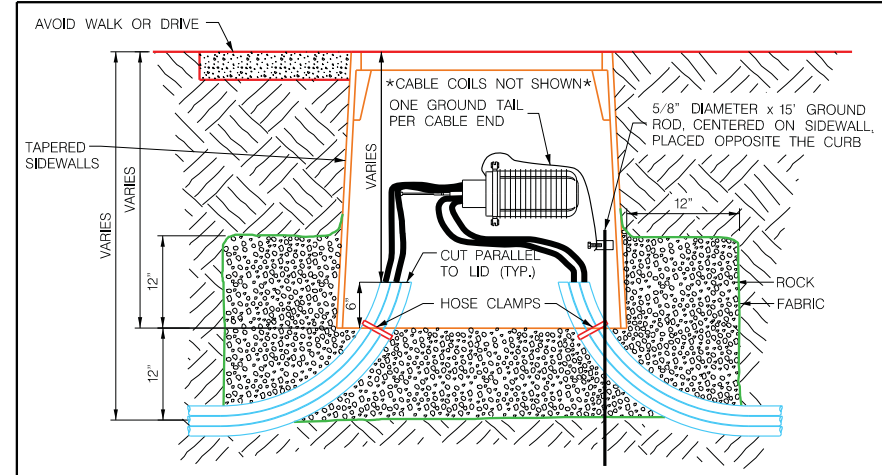
ALLO MAINTENANCE VAULT

- NOTES:
- ALLO MAINTENANCE VAULT SHALL HAVE 2 PIECE COVER
 - ALLO MAINTENANCE VAULT SHALL BE LABELED "FIBER OPTICS"



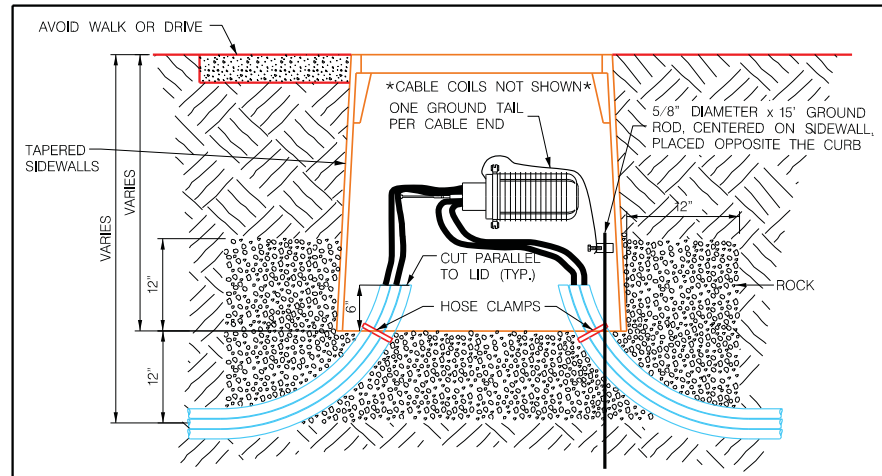
ALLO PULL BOX INSTALLATION

- NOTES:
- AT ALL CABLE PULLING LOCATIONS, COIL 60' OF EACH FIBER CABLE (MST TAILS)



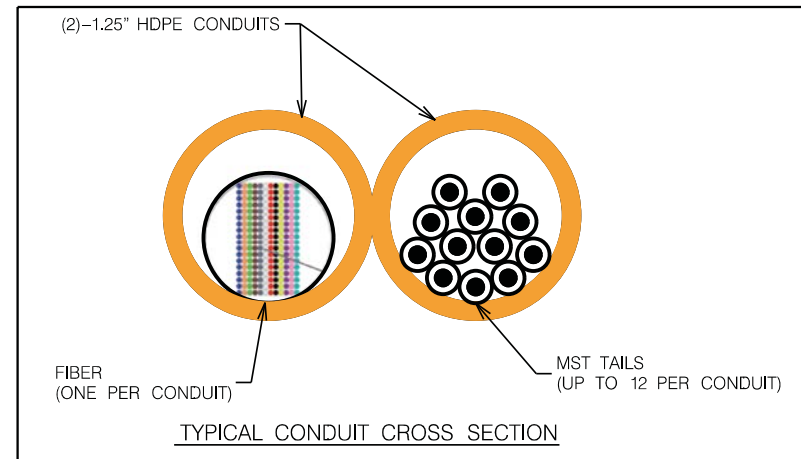
ALLO SPLICE VAULT INSTALLATION

- NOTES:
- AT ALL SPLICE VAULTS, COIL 75' OF EACH FIBER CABLE TAIL AND 50' OF EACH MST TAIL.

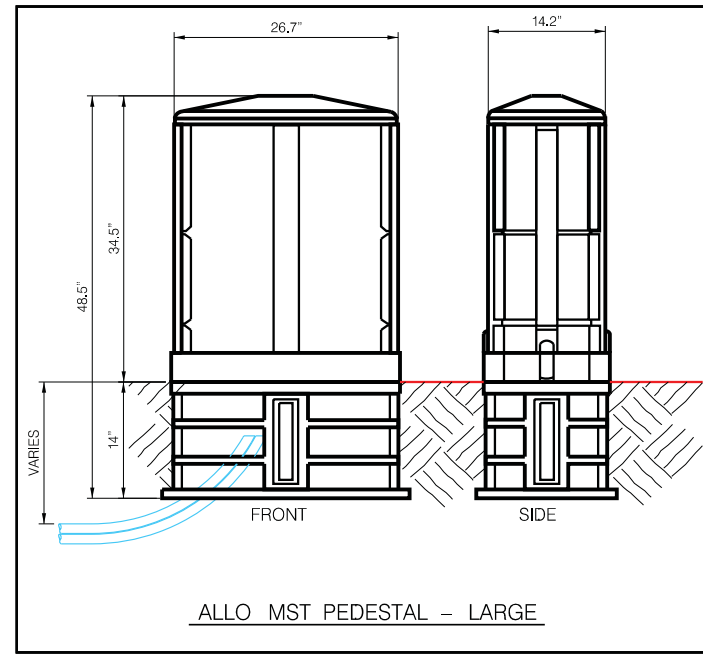


ALLO MAINTENANCE VAULT INSTALLATION

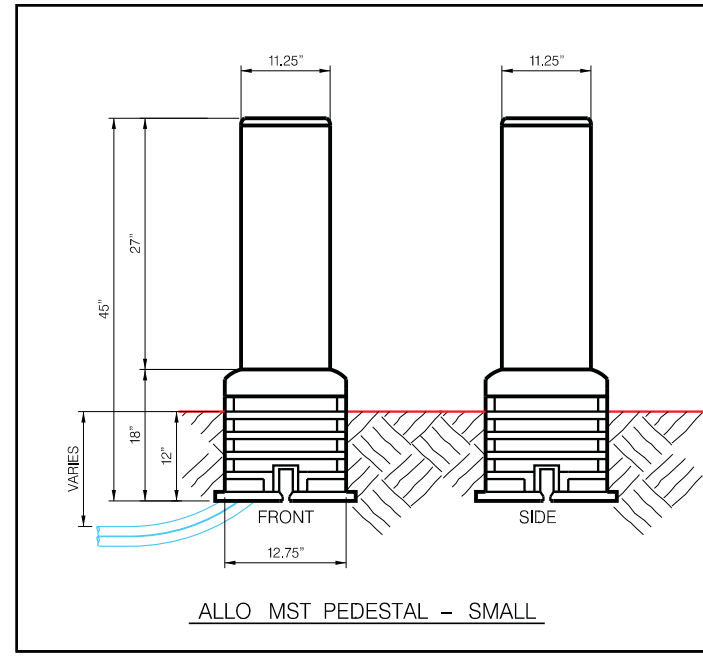
- NOTES:
- AT ALL MAINTENANCE VAULTS, COIL 75' OF EACH FIBER CABLE (MST TAILS EXCLUDED).



TYPICAL CONDUIT CROSS SECTION



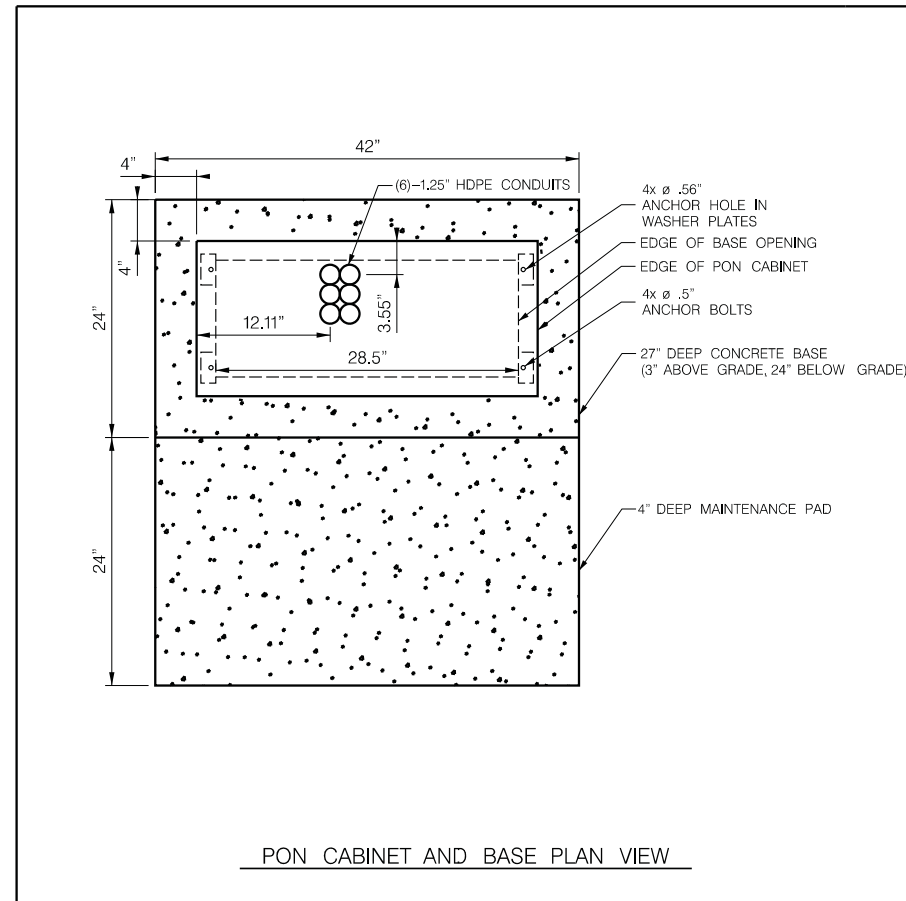
ALLO MST PEDESTAL - LARGE



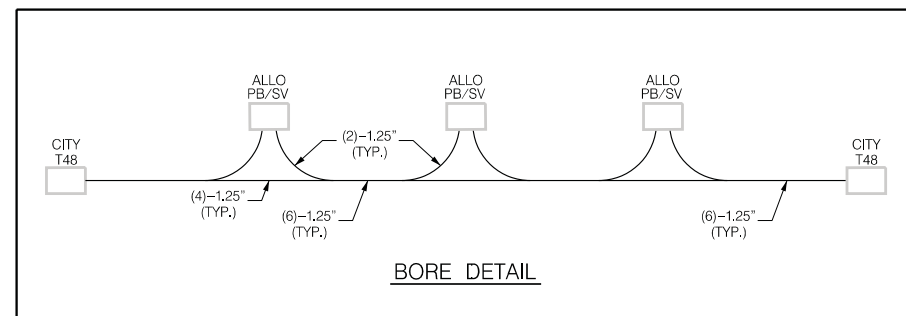
ALLO MST PEDESTAL - SMALL



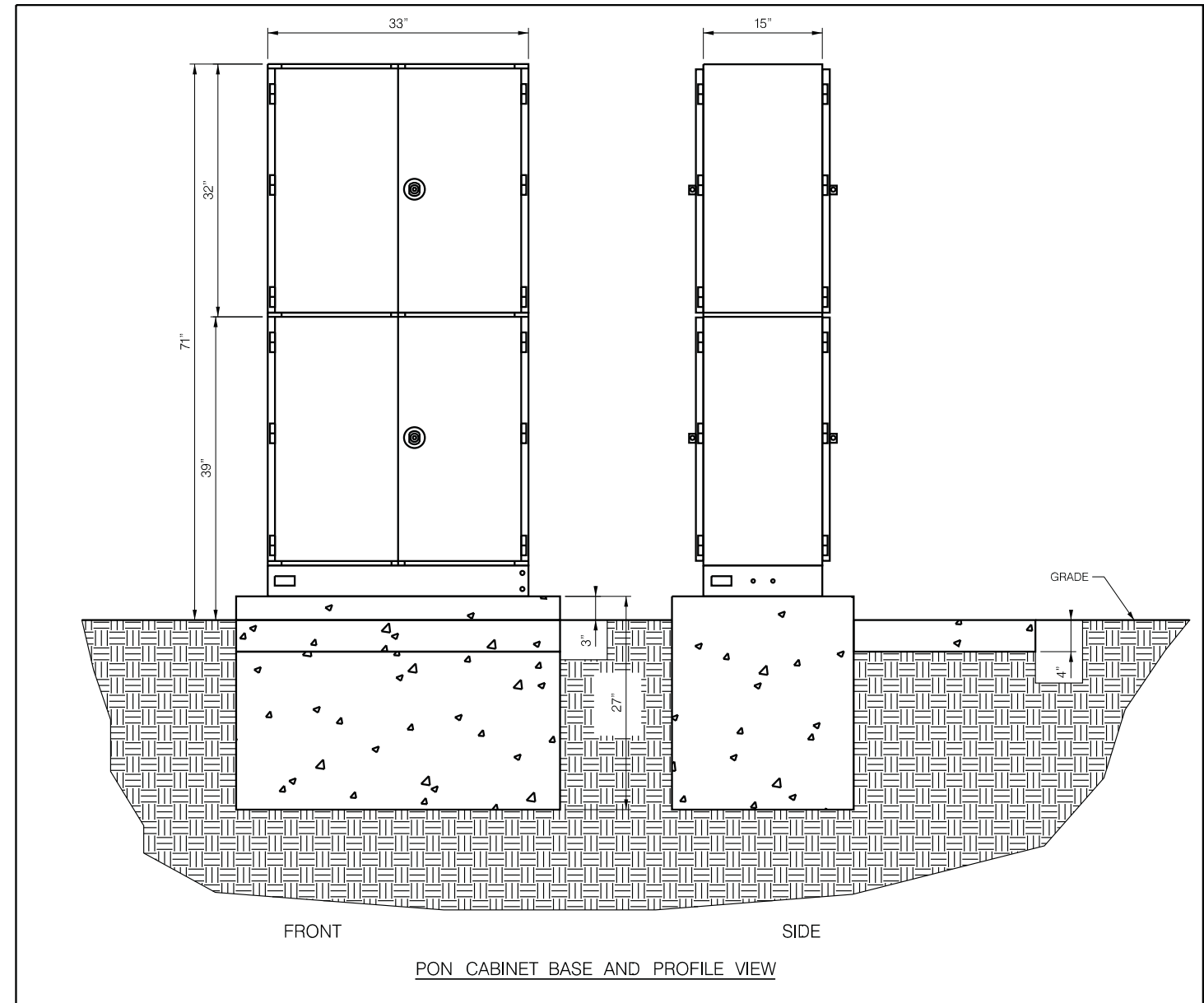
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PON CABINET AND BASE PLAN VIEW



BORE DETAIL



PON CABINET BASE AND PROFILE VIEW

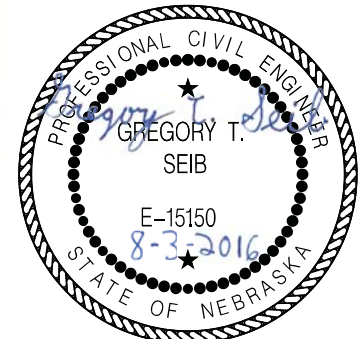
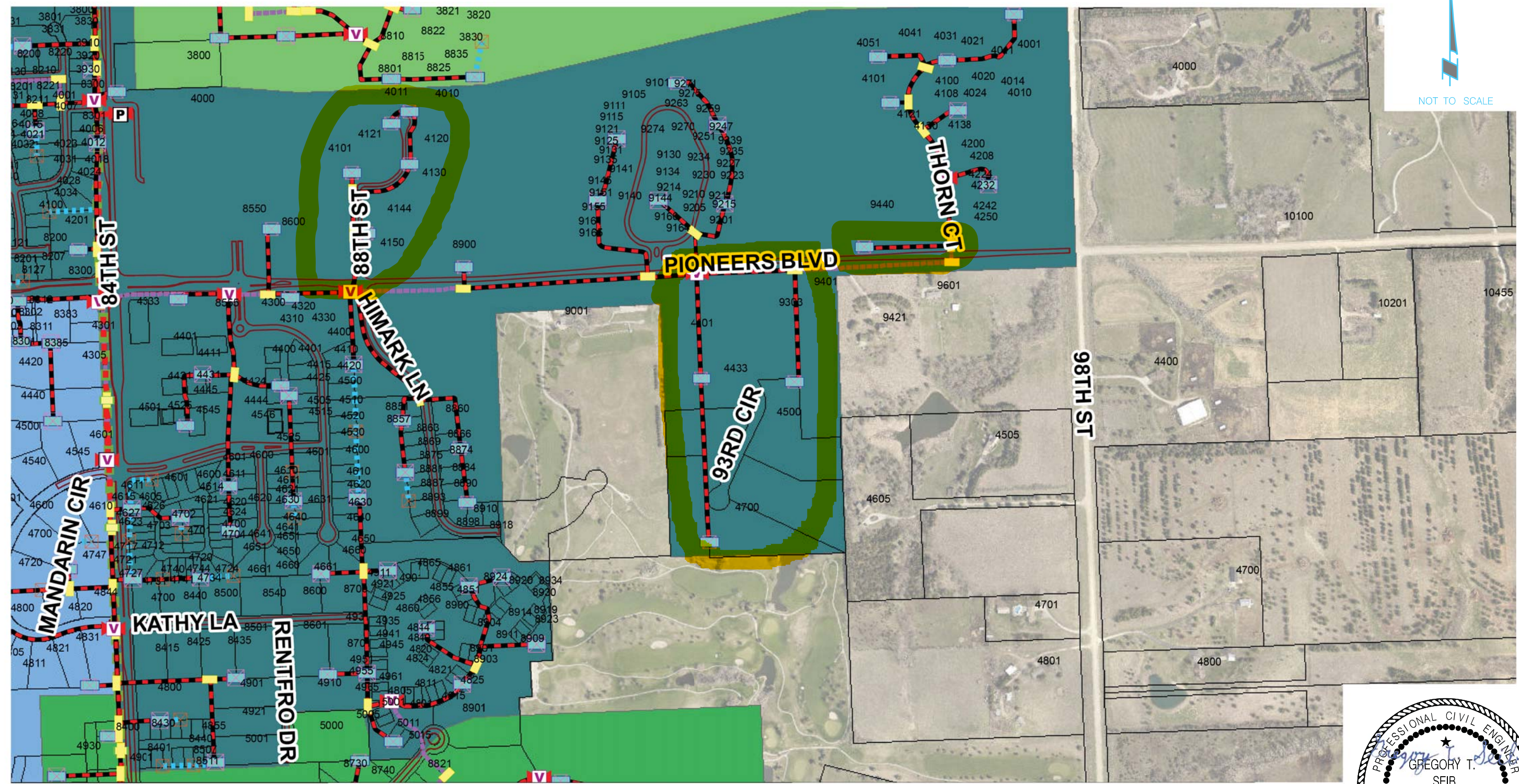
PON CABINET NOTES

1. BASE SHALL MEET MATERIAL AND INSTALLATION REQUIREMENTS OF CABINET BASE ON LSP 82.
2. BASE AND ALL MOUNTING HARDWARE SHALL BE SUBSIDIARY TO PON CABINET.



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DATE: 08\03\2016
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***** CIRCLED PARTS REQUIRE PERMITTING FROM LANCASTER COUNTY*****
OTHER UTILITY WORK IS WITHIN CITY OF LINCOLN ANNEXATION

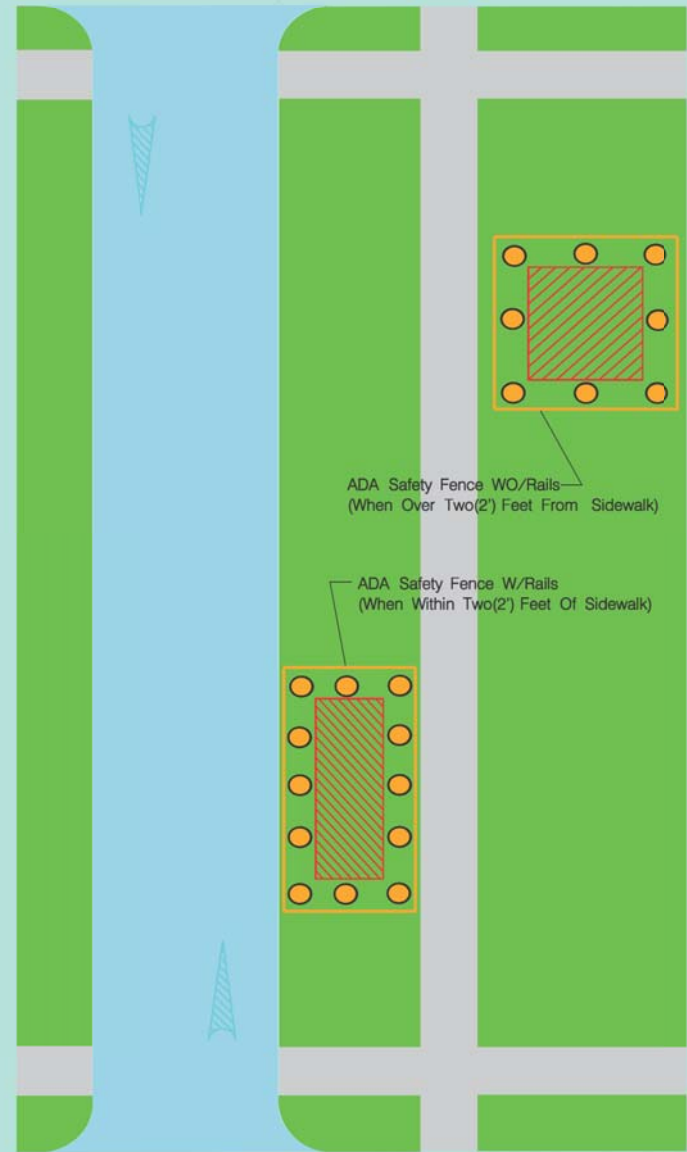


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14

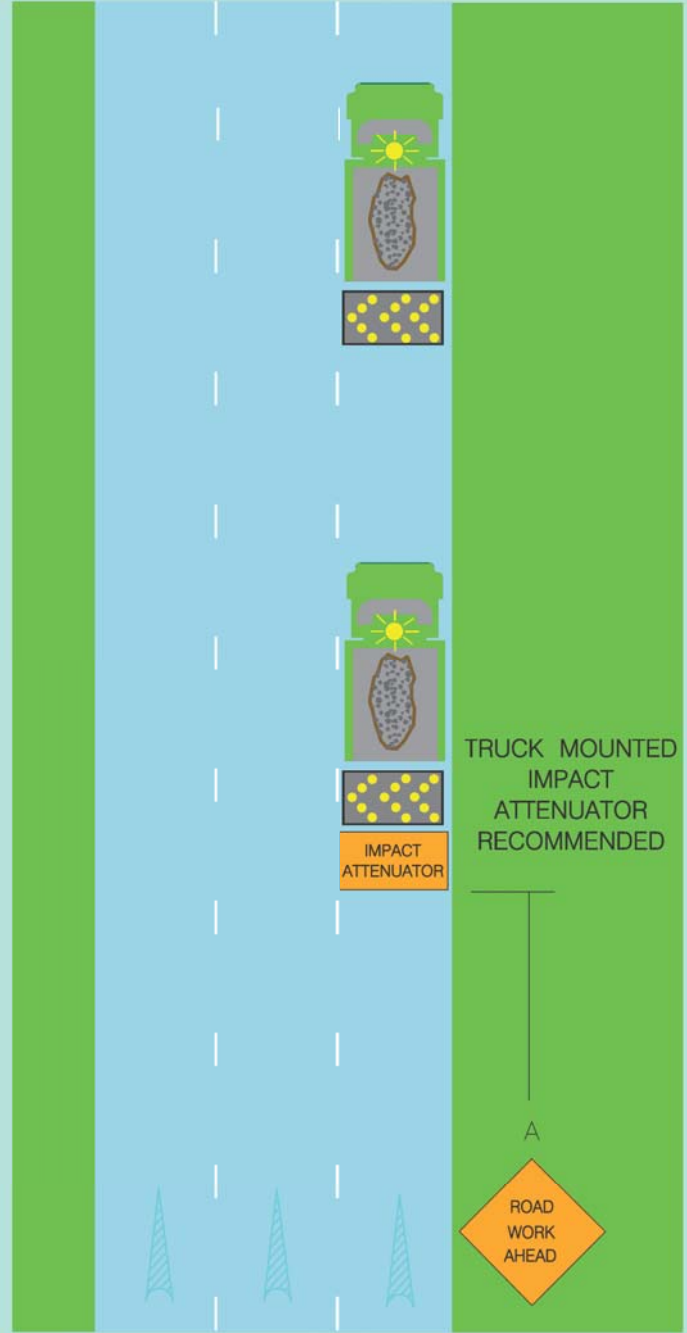
WORK IN THE PEDESTRIAN AREAS

Protection of Excavations & Hazards not in roadways or sidewalks



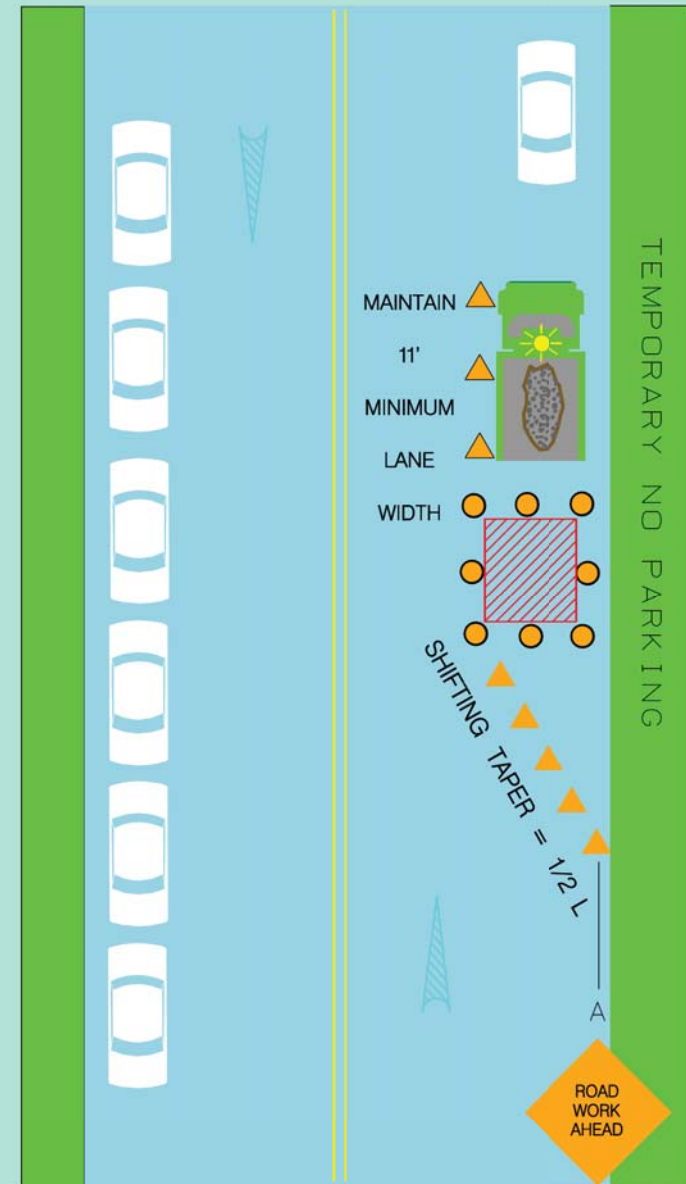
18

MOBILE OPERATION ON ROADWAY



21

CONSTRUCTION IN PARKING LANE



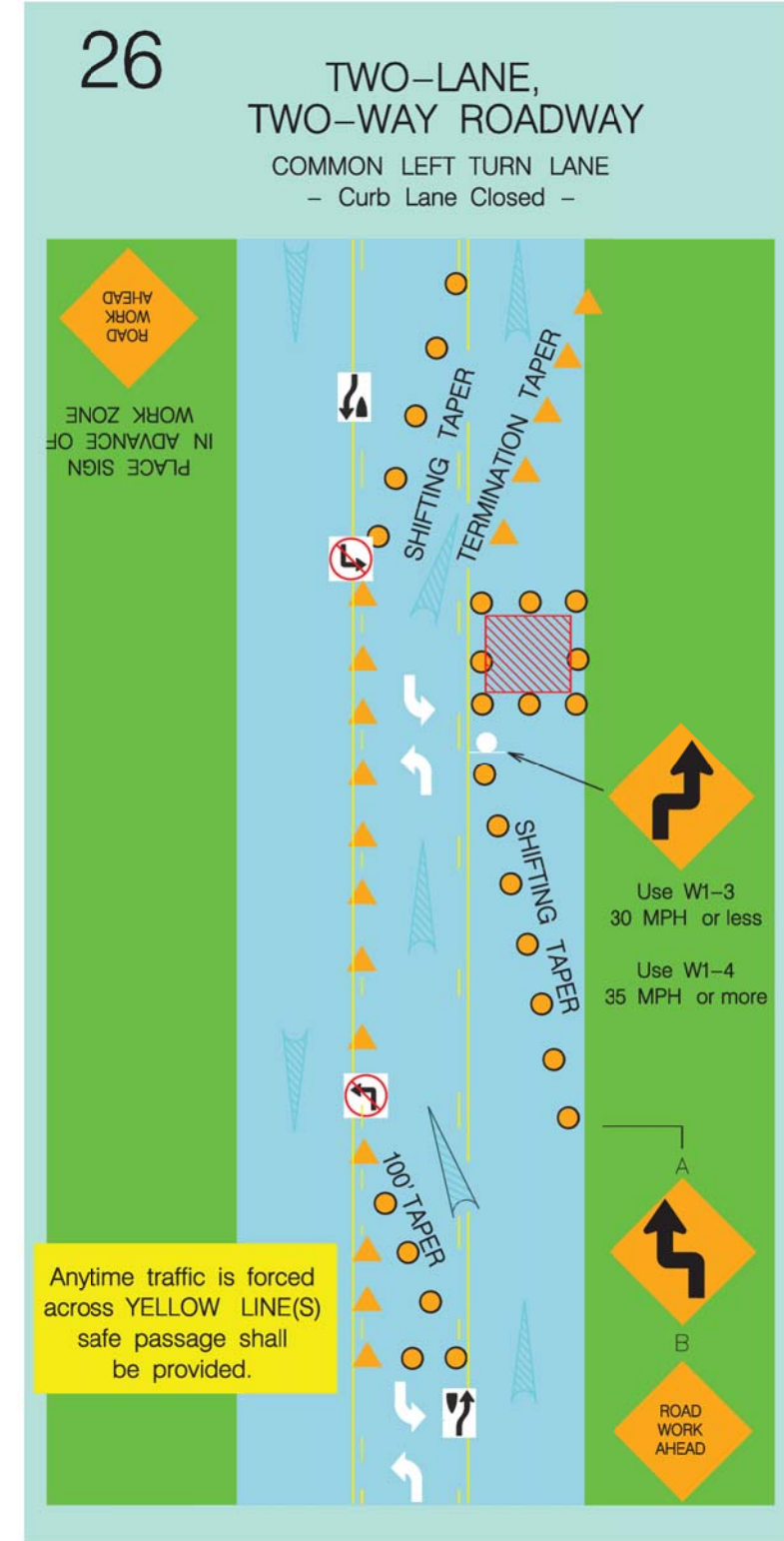
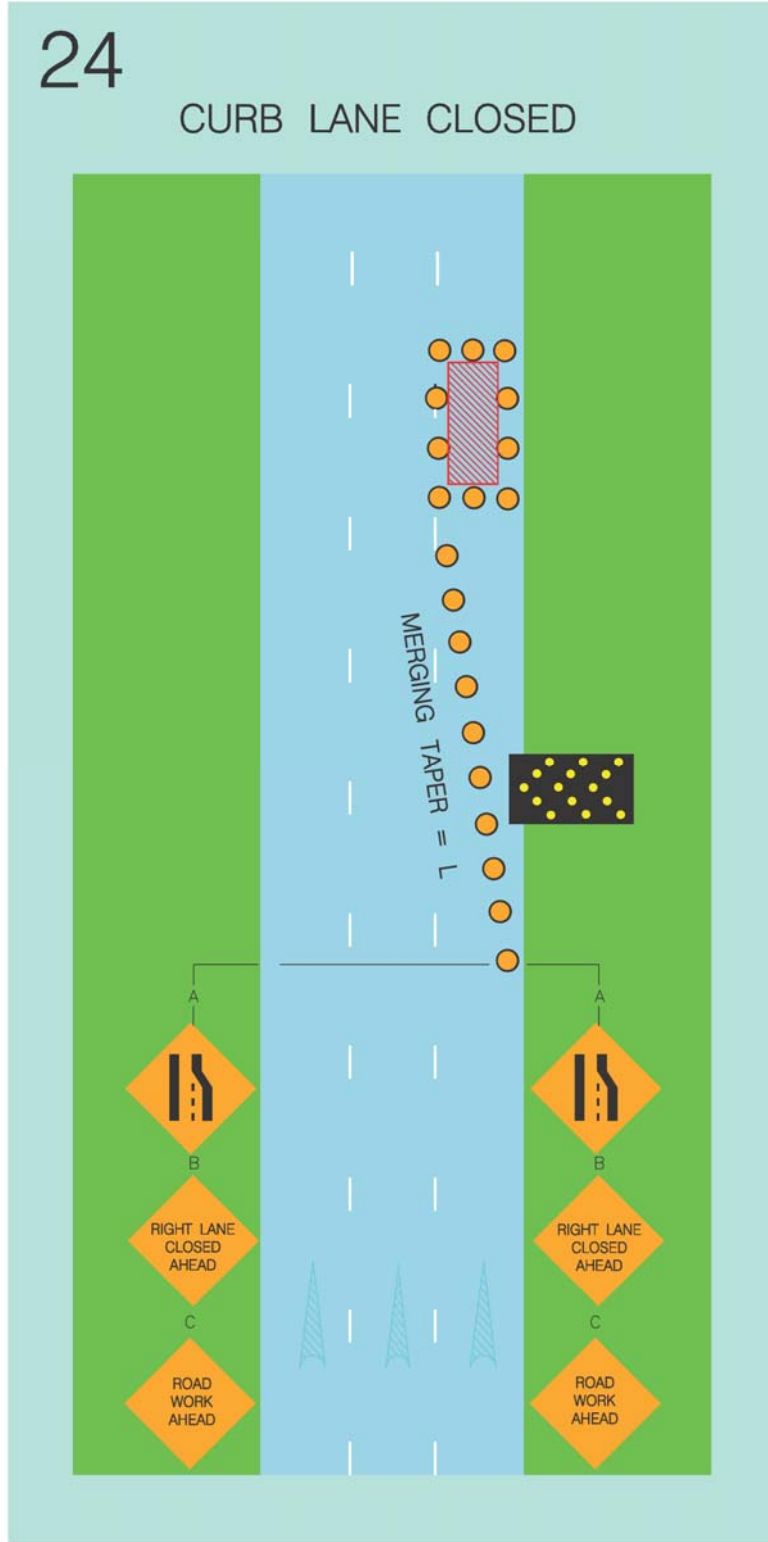
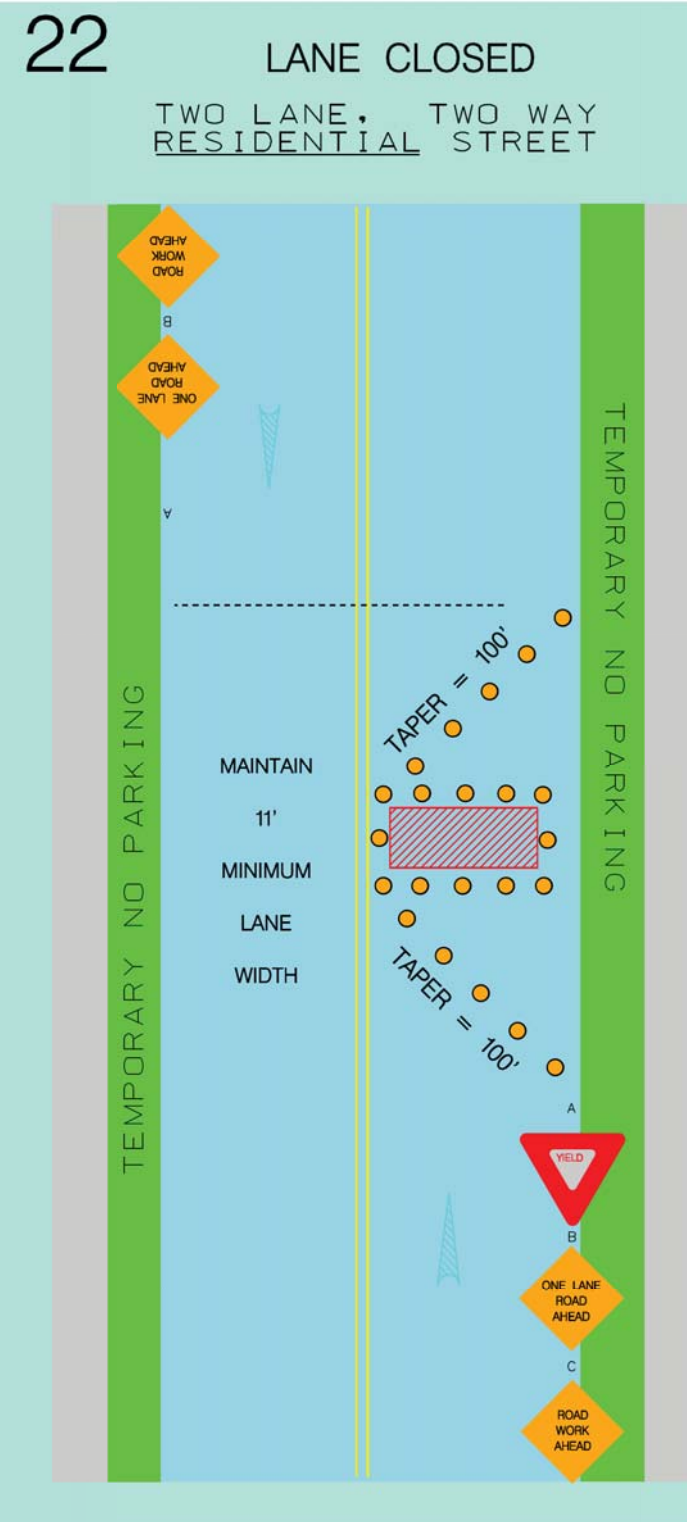
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TRAFFIC CONTROL PLAN (TCP) NOTES

1. OLSSON DOES NOT ASSUME THE ROLE OF TRAFFIC CONTROL SUPERVISOR (TCS).



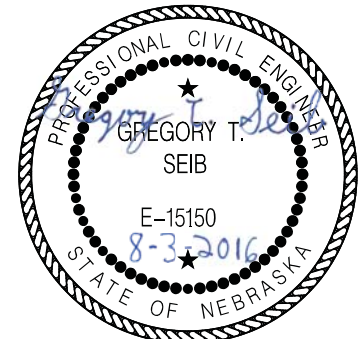
TRAFFIC CONTROL



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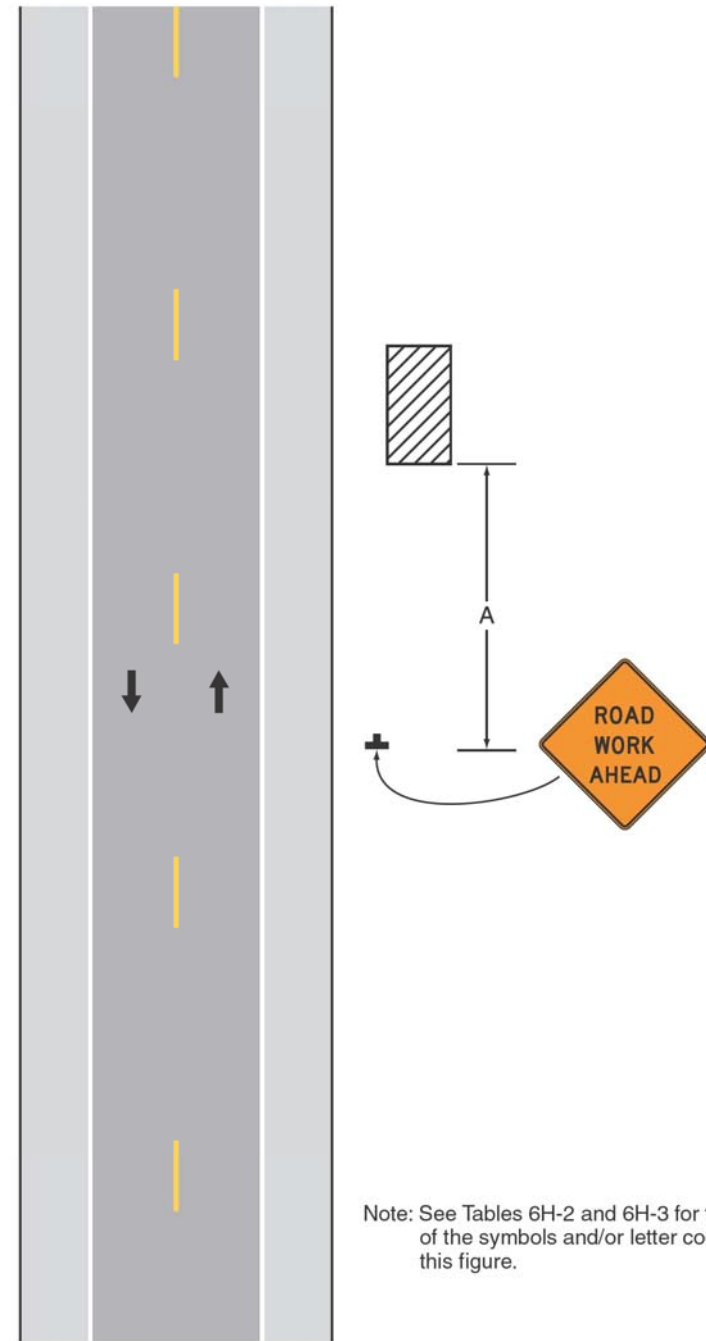
TRAFFIC CONTROL PLAN (TCP) NOTES

1. OLSSON DOES NOT ASSUME THE ROLE OF TRAFFIC CONTROL SUPERVISOR (TCS).



TRAFFIC CONTROL

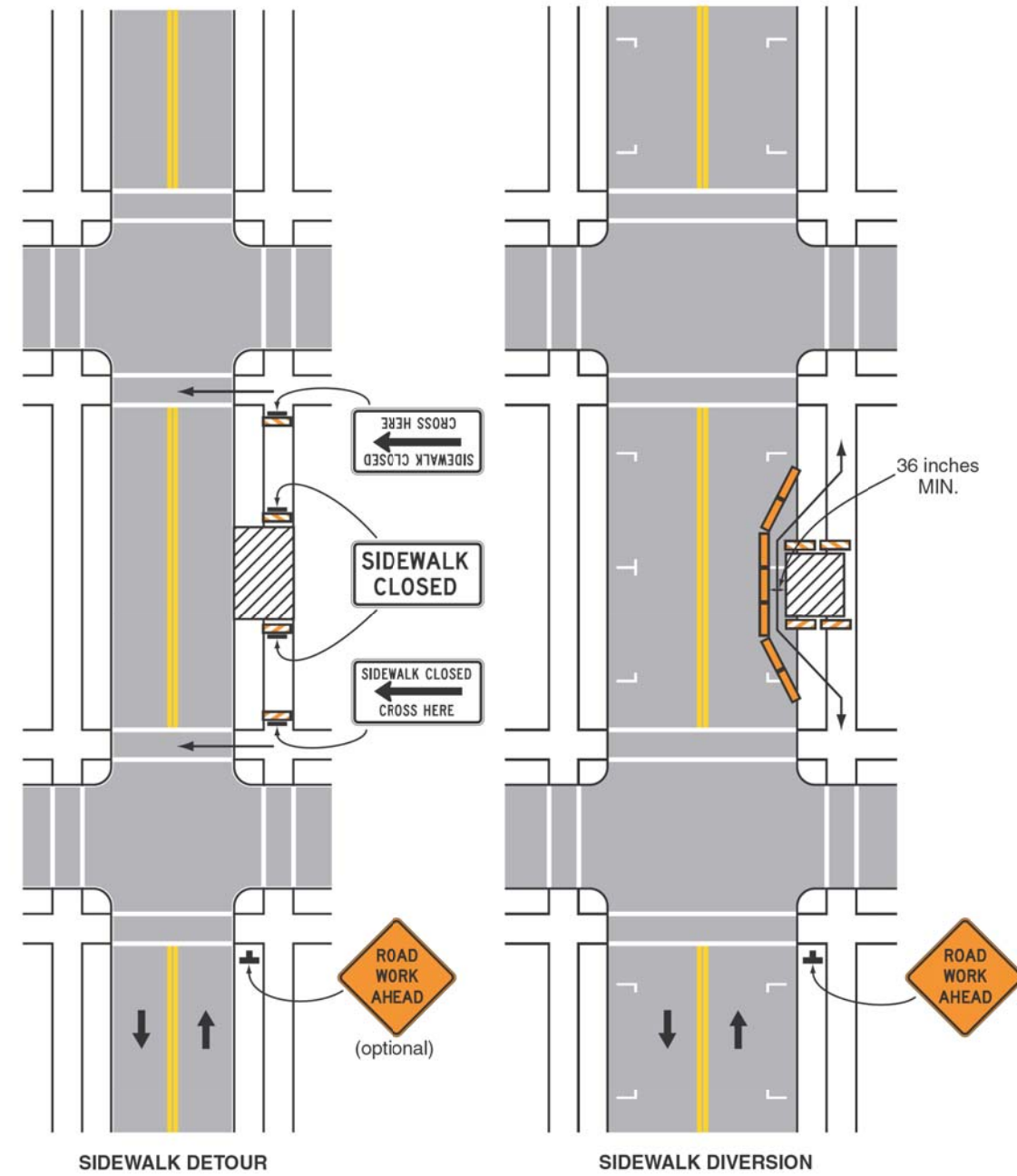
Figure 6H-1. Work Beyond the Shoulder (TA-1)



Typical Application 1

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



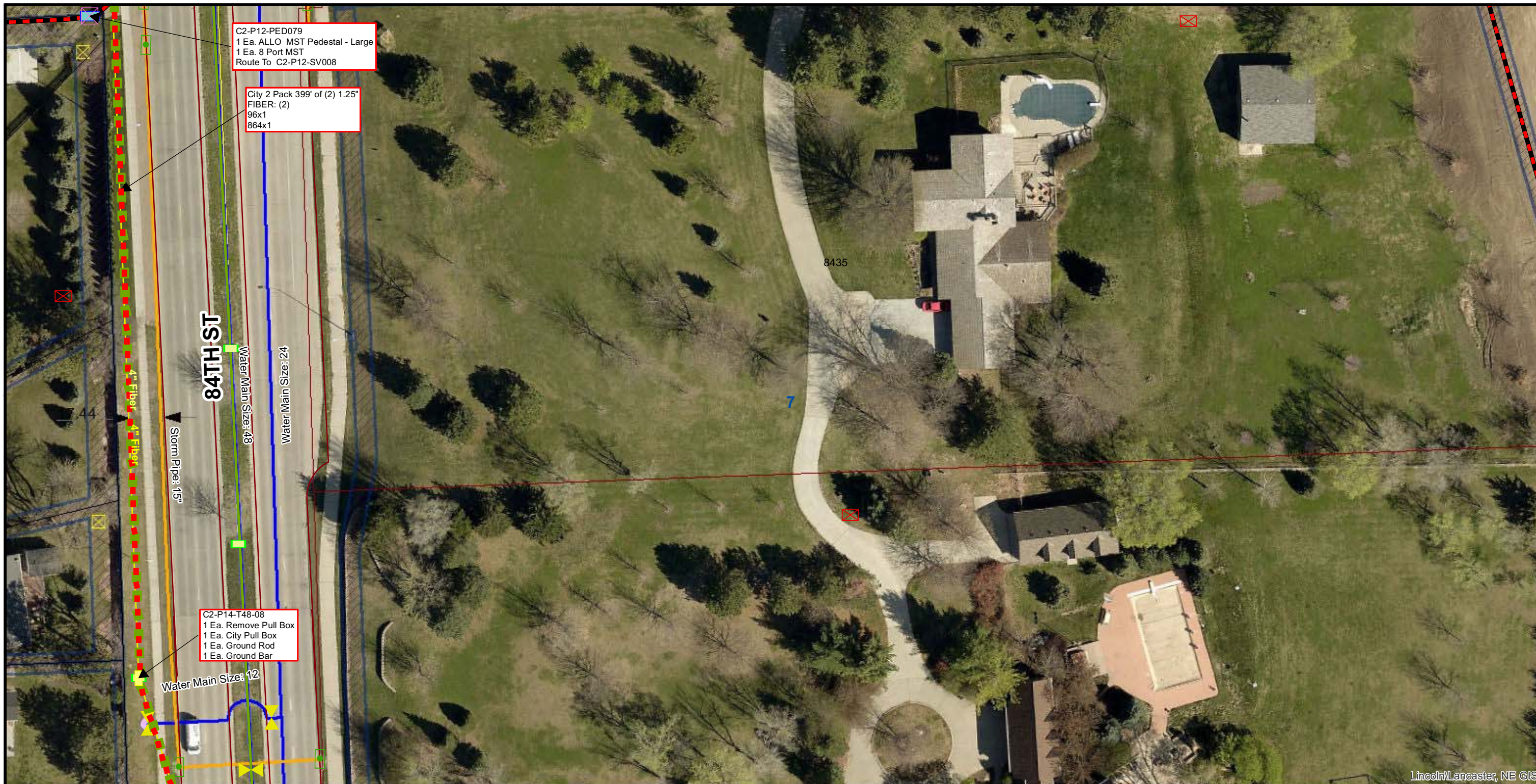
Typical Application 28

TRAFFIC CONTROL PLAN (TCP) NOTES

1. OLSSON DOES NOT ASSUME THE ROLE OF TRAFFIC CONTROL SUPERVISOR (TCS).



TRAFFIC CONTROL



C2-P12-PED079
 1 Ea. ALLO MST Pedestal - Large
 1 Ea. 8 Port MST
 Route To C2-P12-SV008

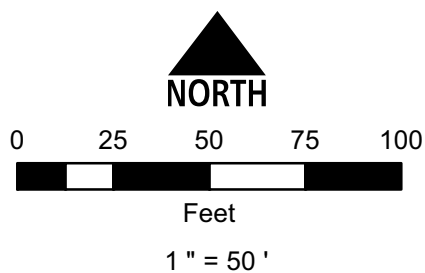
City 2 Pack 399' of (2) 1.25"
 FIBER: (2)
 96x1
 864x1

84TH ST

C2-P14-T48-08
 1 Ea. Remove Pull Box
 1 Ea. City Pull Box
 1 Ea. Ground Rod
 1 Ea. Ground Bar

Water Main Size: 12

Lincoln/Lancaster, NE GIS

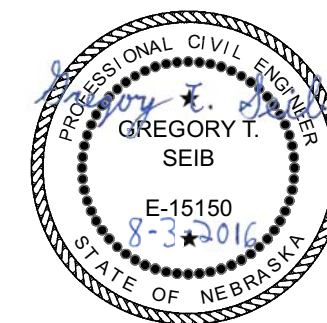


Conduit Note Key
 MST: (4) = Four Tails in MST Conduit
 8x2 = Two 8 Port MST Tails
 FIBER: (2) = Two Fiber Cables in Fiber Conduit
 576x1 = One 576 SM Fiber

Sheet Identification (2-1-001)
 2 = Quadrant
 1 = PON
 001 = Plan Sheet

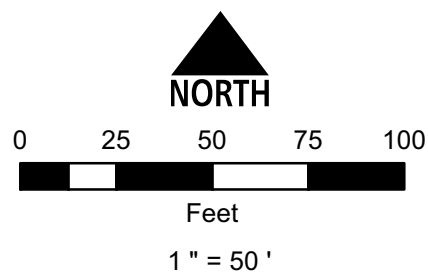
Notes
 1. Contractor shall not work outside ROW without easement confirmation by ALLO
 2. At all cable pulling locations, coil 60' of each fiber cable (MST tails excluded)
 3. At all splice vaults, coil 75' of each fiber cable tail and 50' of each MST tail
 4. At all maintenance vaults coil 75' of each fiber cable (MST tails excluded)
 5. Minimum 24" vertical and horizontal separation from existing utilities

2-12-050	2-12-S2-032	2-12-S2-033
2-14-006	2-14-007	2-12-S2-040
2-14-013	2-14-014	2-12-S2-046





Lincoln/Lancaster, NE GIS

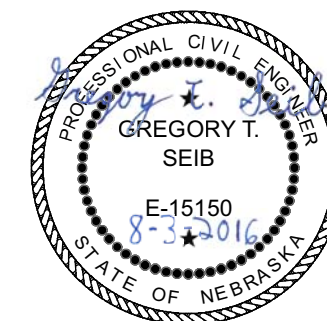


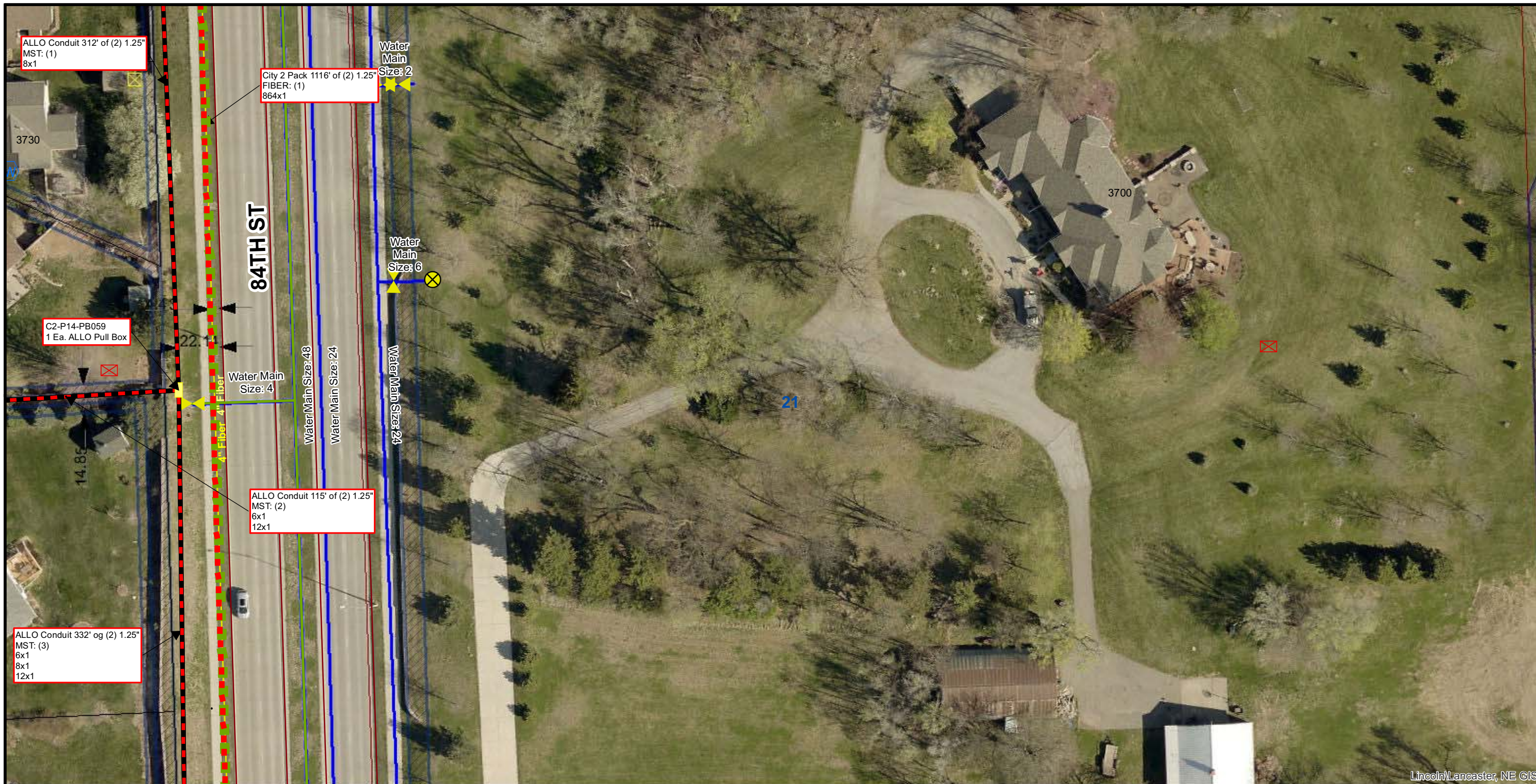
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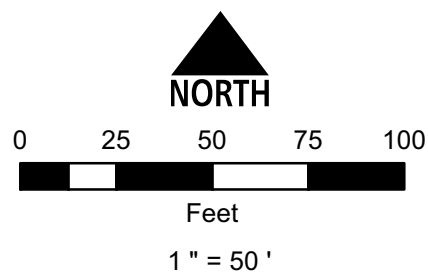
Notes
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2-14-006	2-14-007	2-12-S2-040
2-14-013	2-14-014	2-12-S2-046
2-14-020	2-14-021	2-12-S2-051





Lincoln/Lancaster, NE GIS

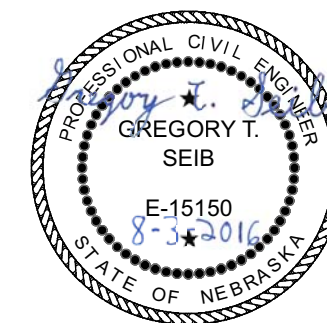


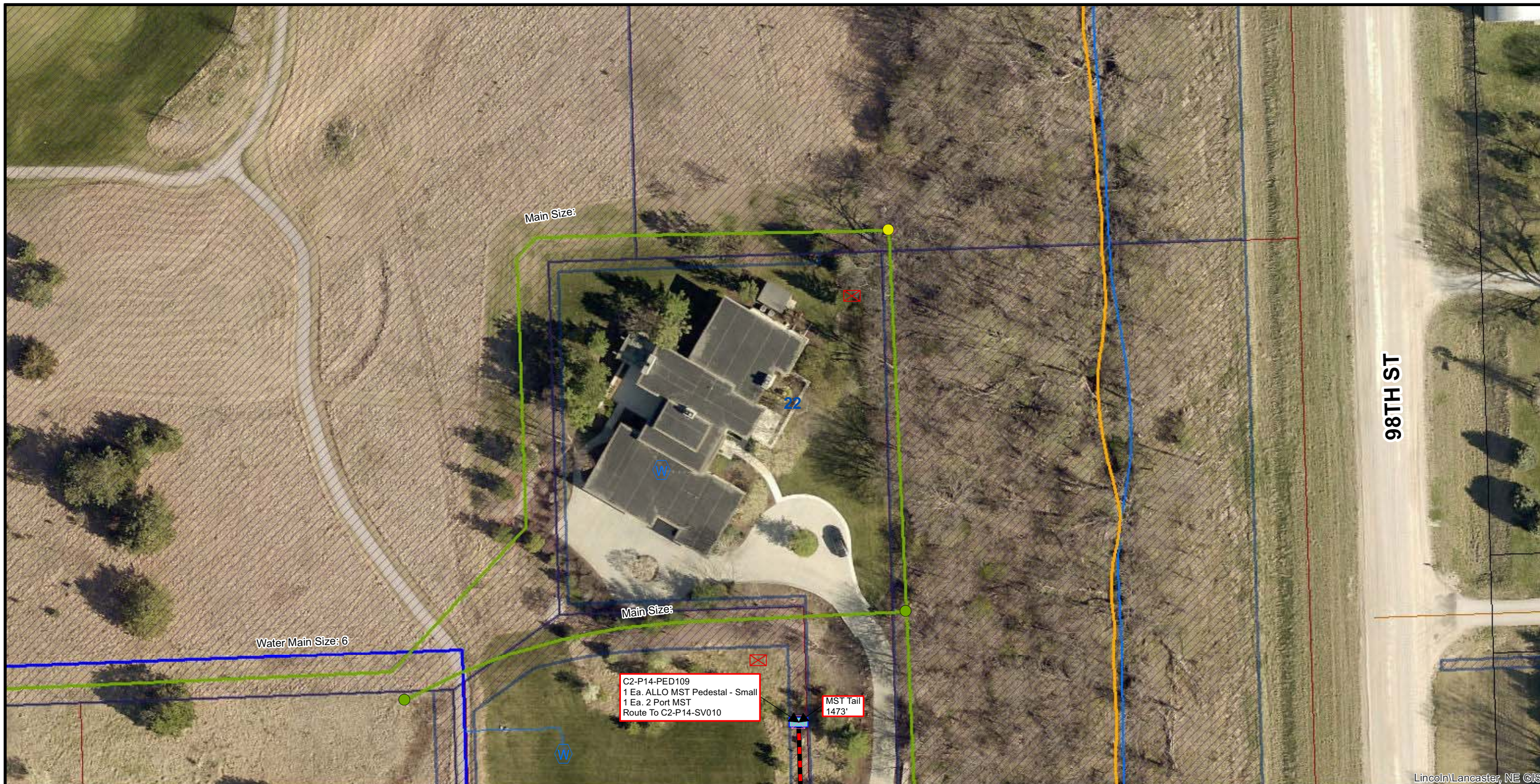
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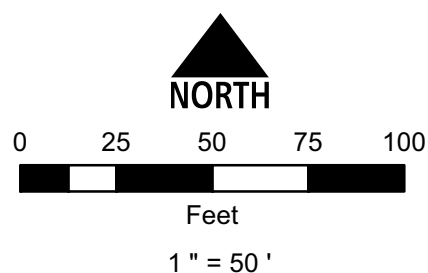
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2-14-013	2-14-014	2-12-S2-046
2-14-020	2-14-021	2-12-S2-051
2-14-027	2-14-028	2-12-S2-054





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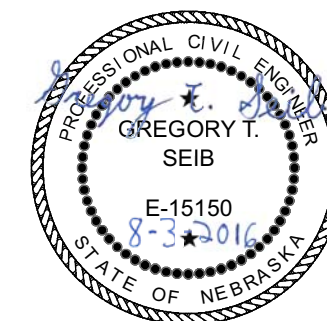
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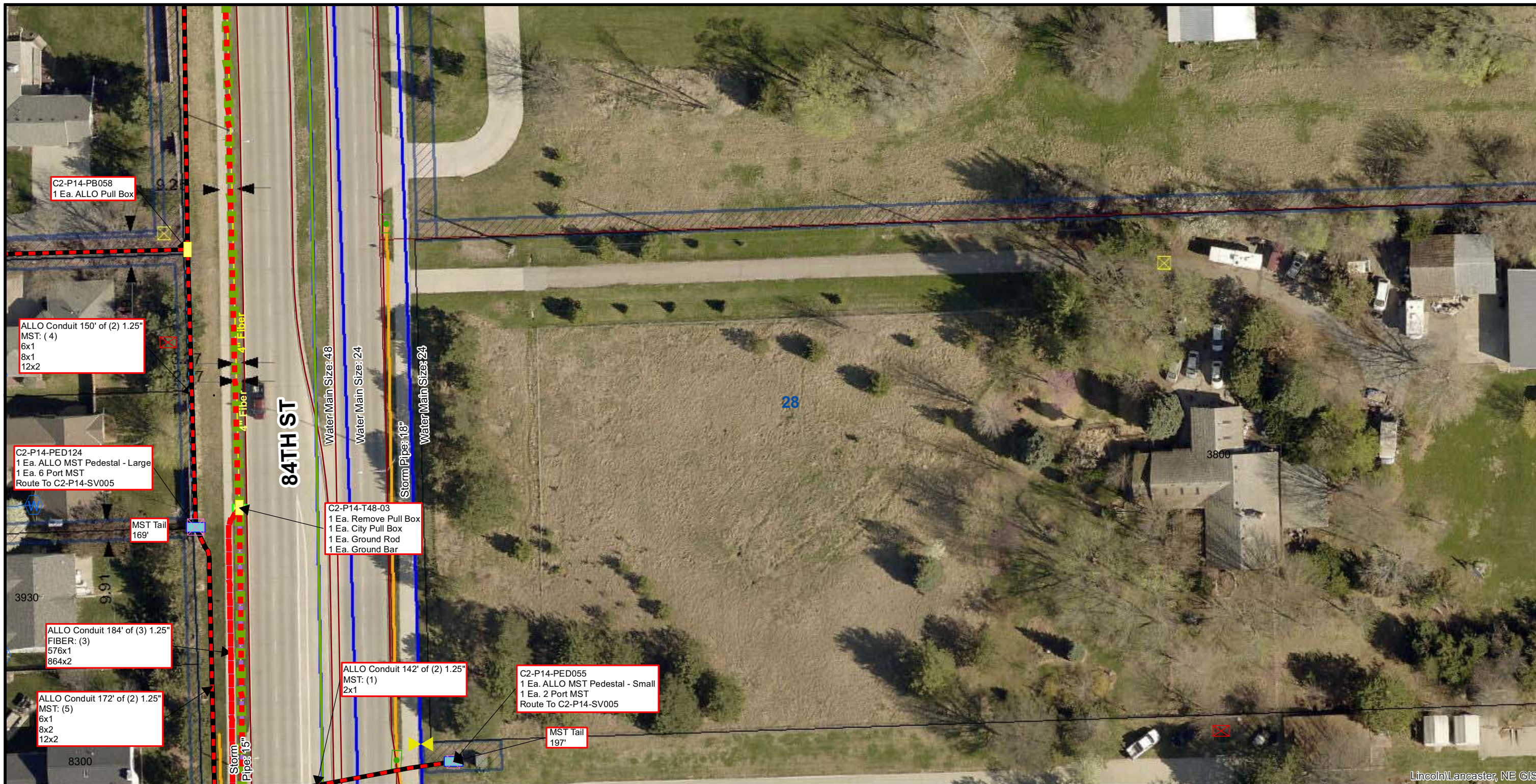
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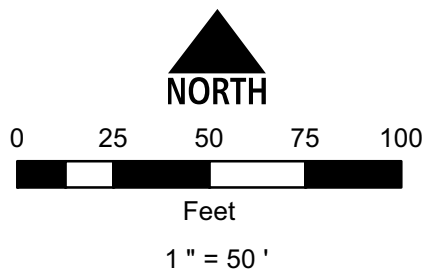
2-12-S2-050	IQ119	IQ120
IR118	2-14-022	IR120
2-14-030	2-14-031	IS120

THORN CT —





Lincoln/Lancaster, NE GIS

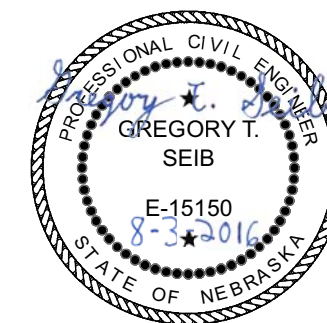


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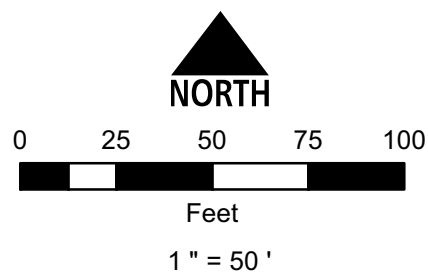
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2-14-020	2-14-021	2-12-S2-051
2-14-027	2-14-028	2-12-S2-054
2-14-037	2-14-038	IT114





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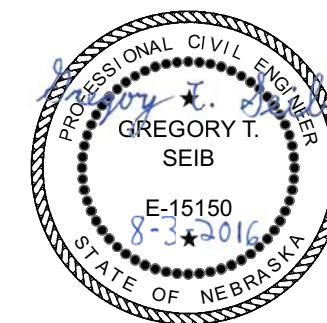


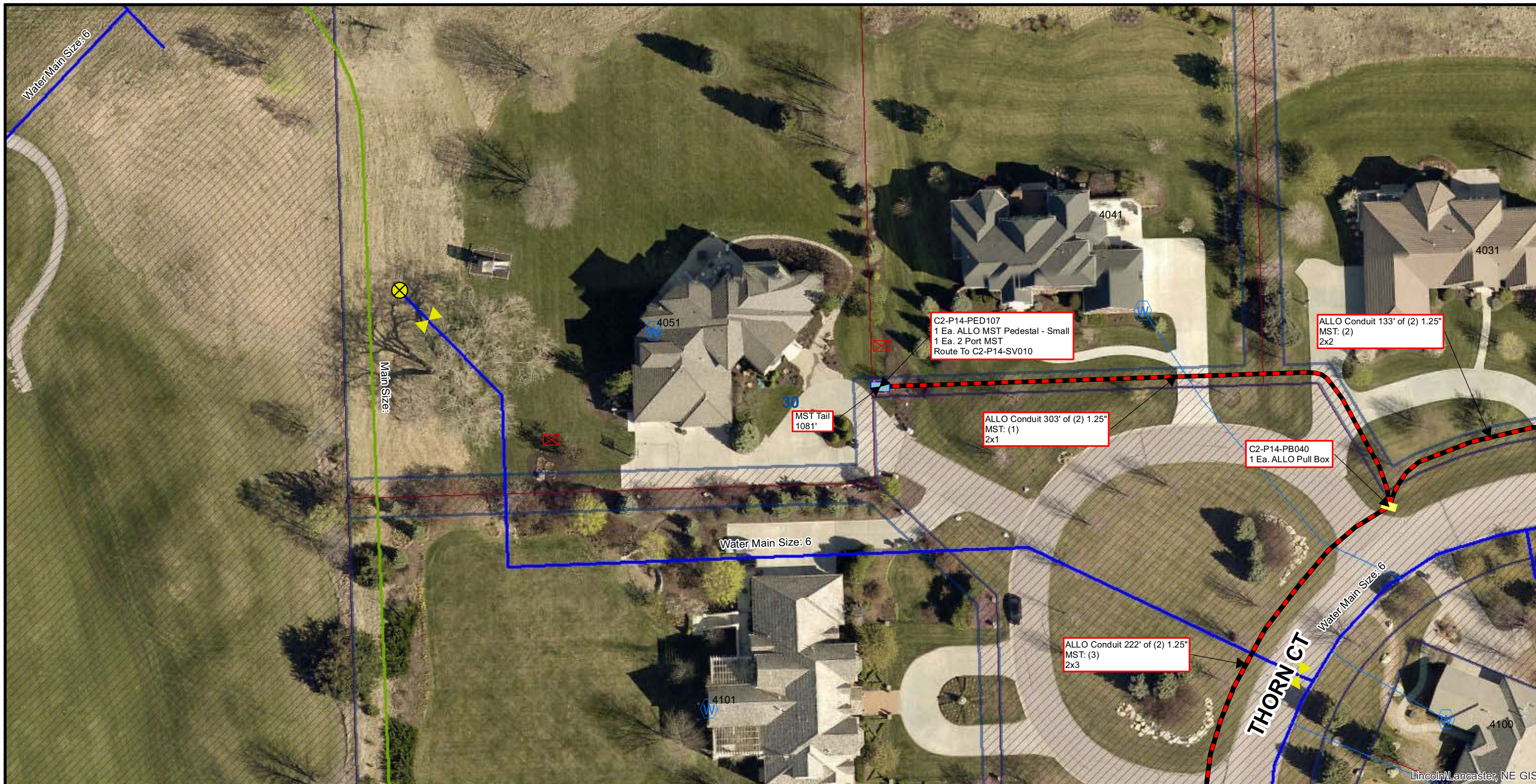
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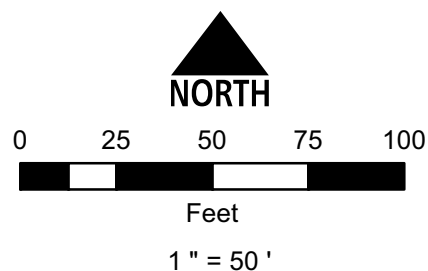
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IR116	2-12-S2-053	IR118
IS116	2-14-029	2-14-030
2-14-040	2-14-041	2-14-042





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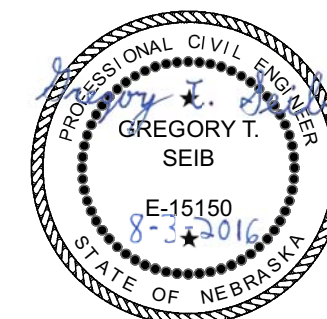


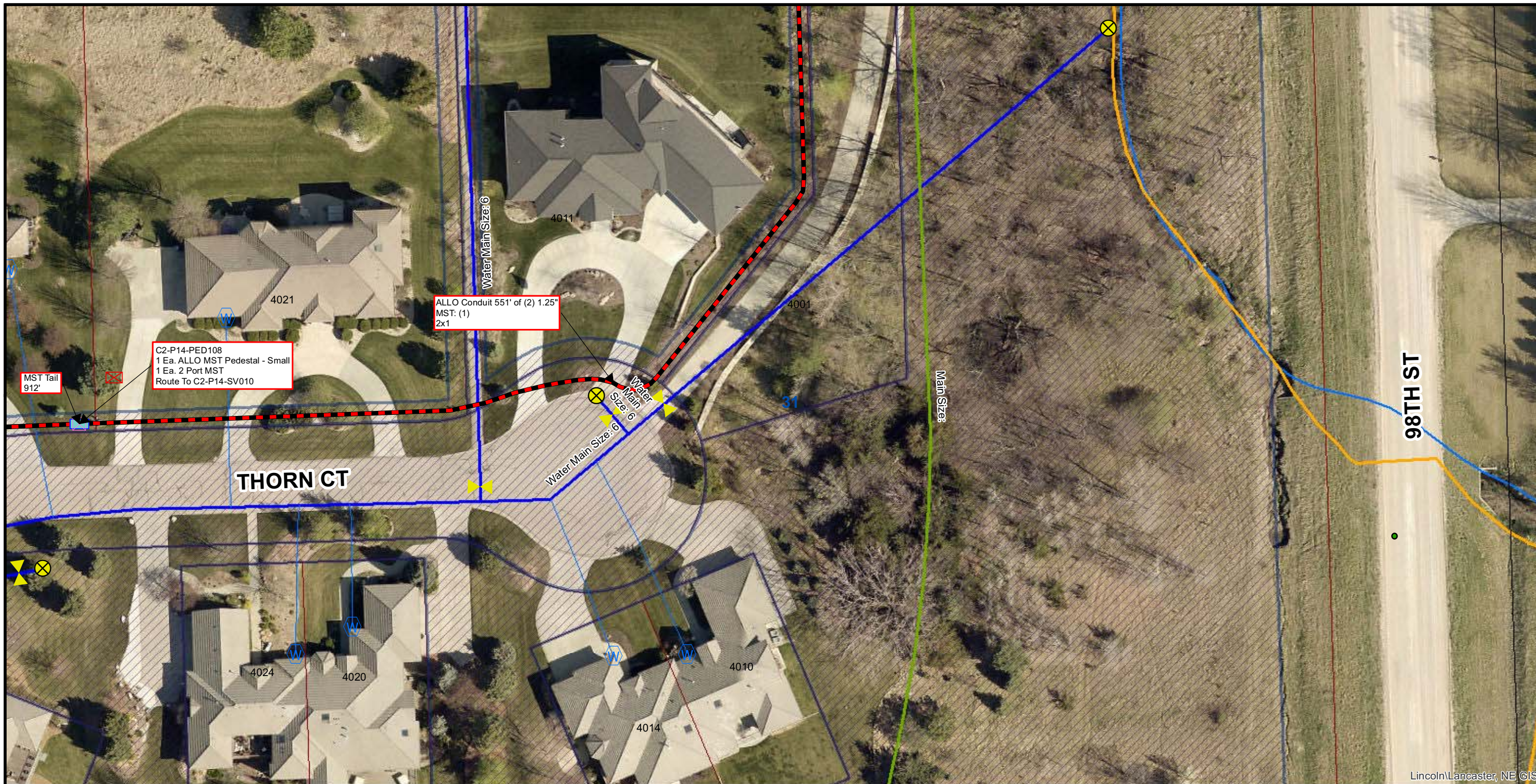
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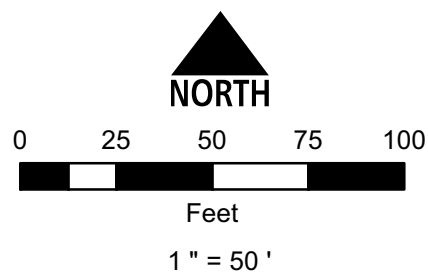
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2-12-S2-053	IR118	2-14-022
2-14-029	2-14-030	2-14-031
2-14-041	2-14-042	2-14-043





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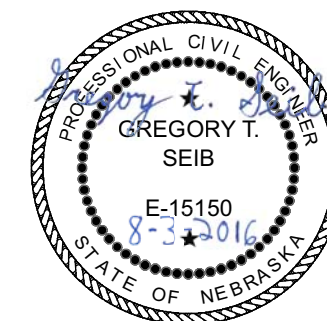


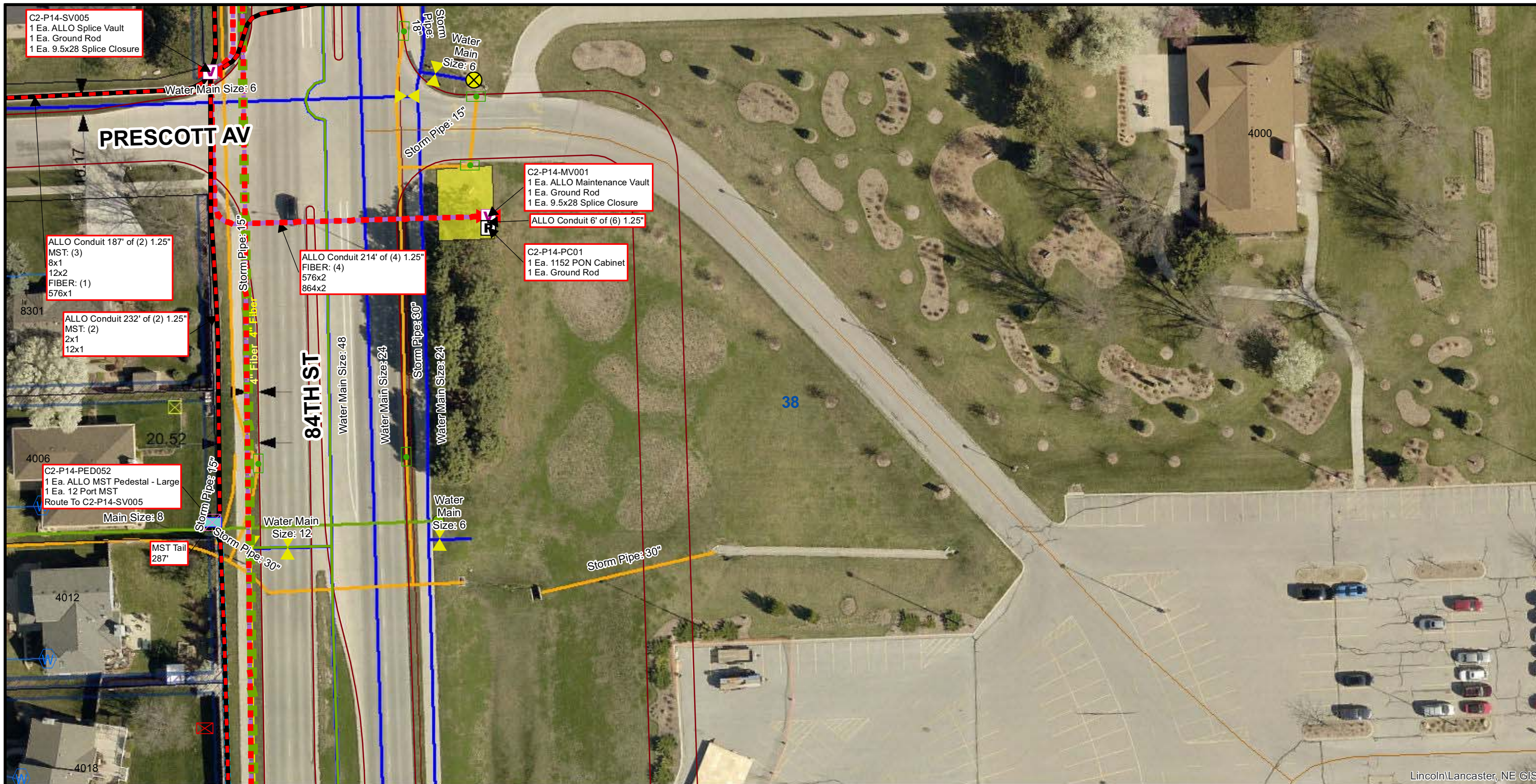
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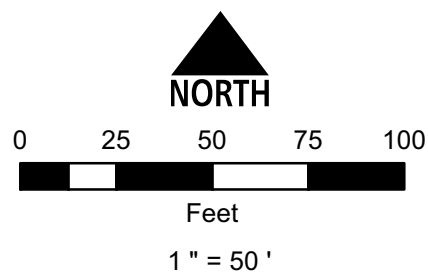
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IR118	2-14-022	IR120
2-14-030	2-14-031	IS120
2-14-042	2-14-043	IT120





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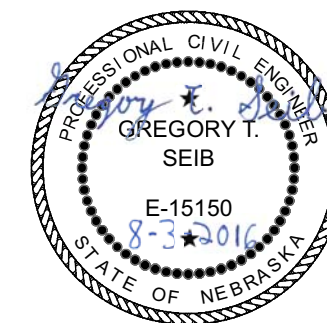


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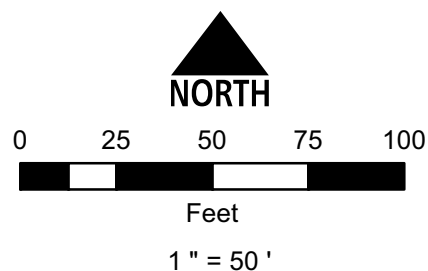
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2-14-027 PRESCOTT AV	2-14-028	2-12-S2-054
2-14-037	2-14-038	IT114
2-14-050	2-14-051	2-14-052





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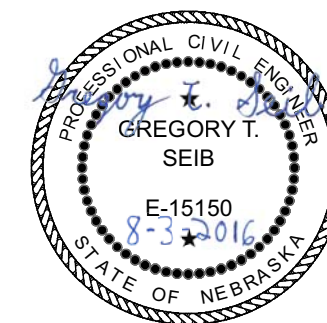


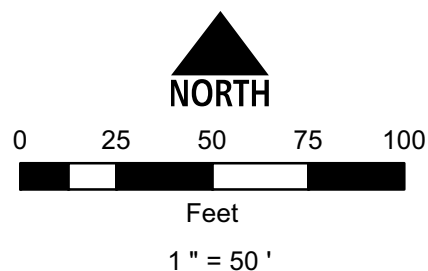
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	TRALEE RD	2-12-S2-054 2-12-S2-055	IS116
IT114	TALIESIN DR	2-14-039	2-14-040
2-14-052		2-14-053	2-14-054
88TH ST			



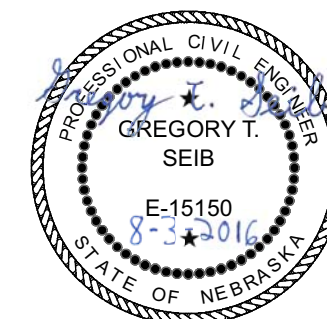


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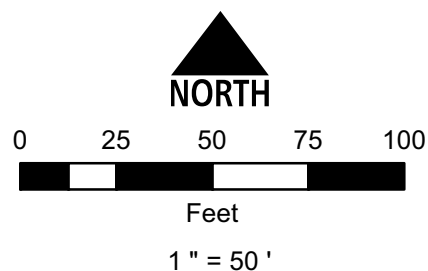
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2-12-S2-055	IS116	2-14-029
2-14-039	2-14-040	2-14-041
2-14-053	2-14-054	2-14-055





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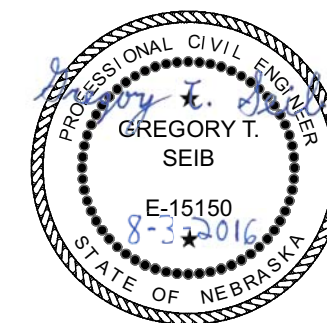


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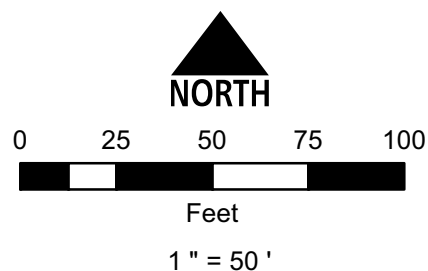
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IS116	2-14-029	2-14-030
2-14-040	2-14-041	2-14-042
2-14-054	2-14-055	IU118





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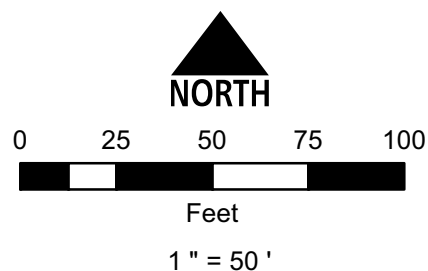
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2-14-029	2-14-030	2-14-031
2-14-041	2-14-042	2-14-043
2-14-055	IU118	2-14-056





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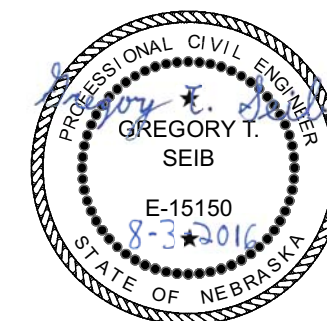


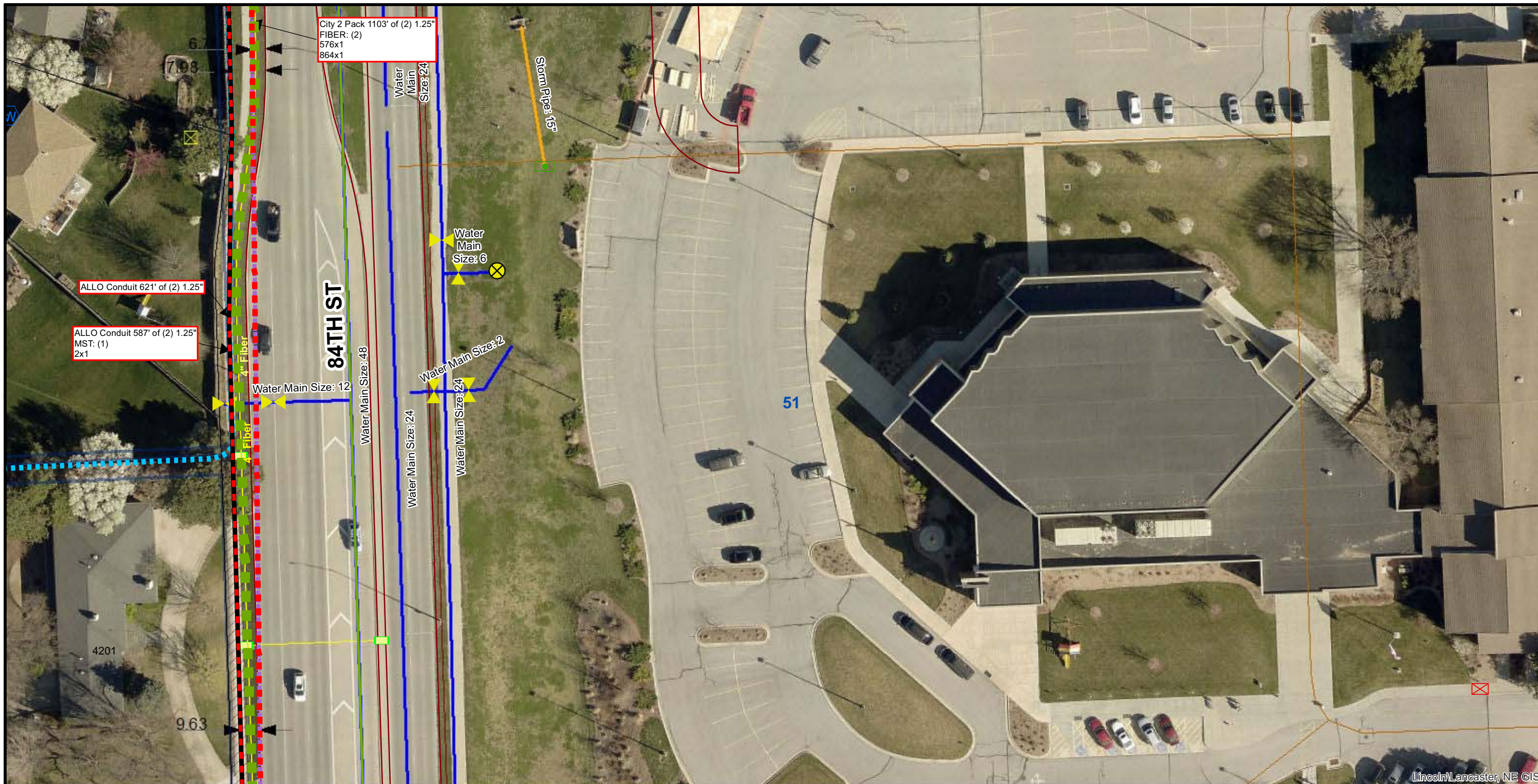
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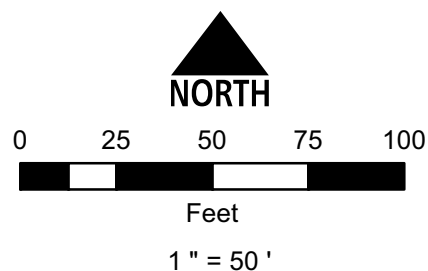
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2-14-030	2-14-031	IS120
2-14-042	2-14-043	IT120
IU118	2-14-056	IU120





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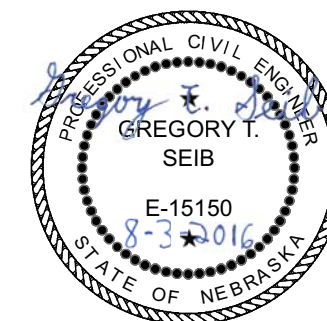


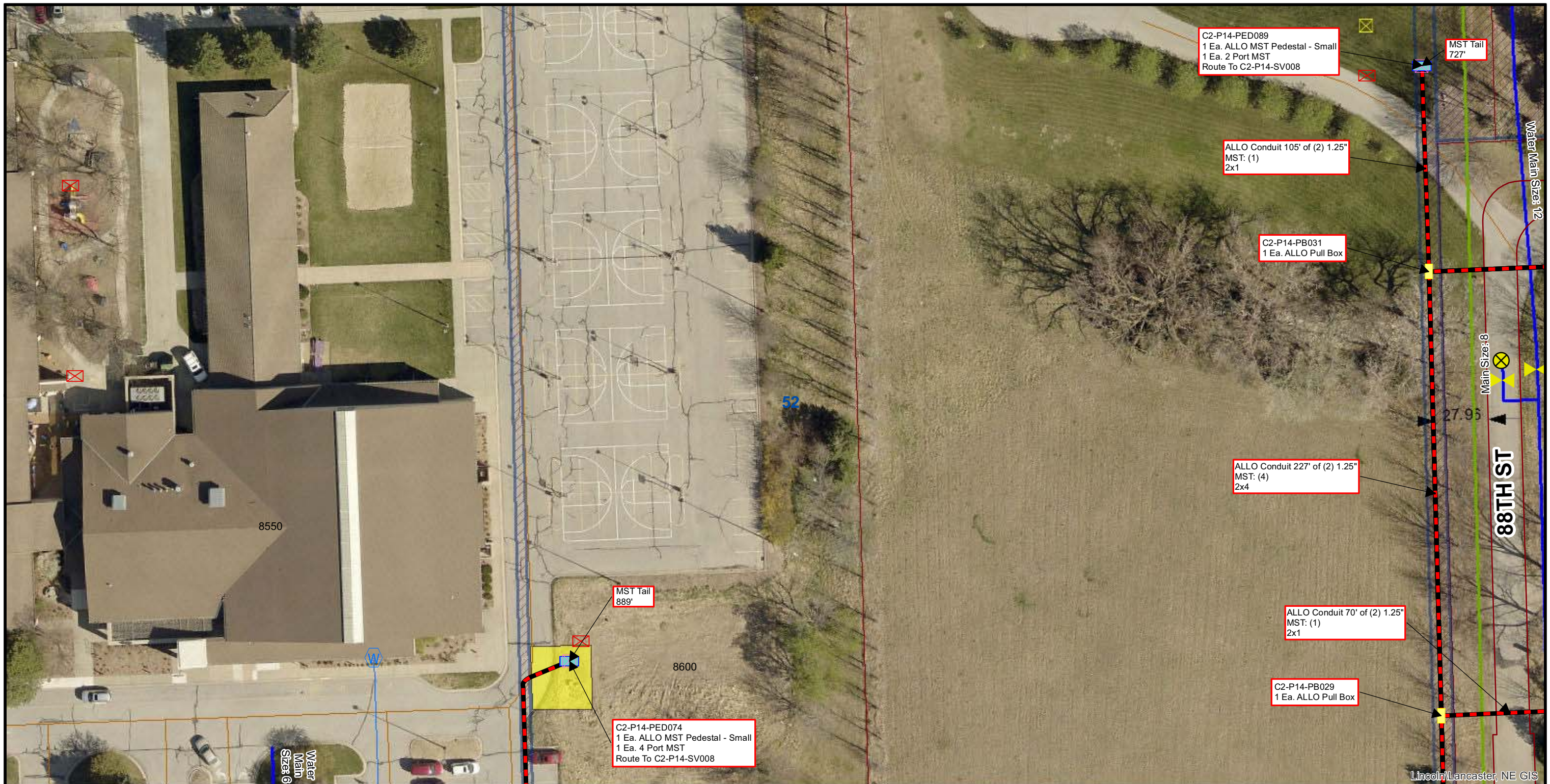
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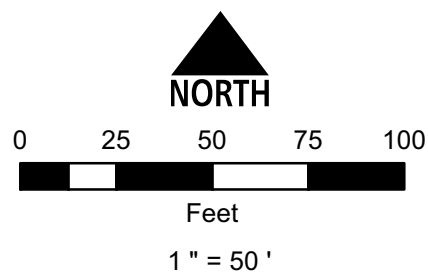
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2-14-037	2-14-038	IT114
LOWELL AV 2-14-050	84TH ST 2-14-051	2-14-052
MEREDETH PL 2-14-064	PIONEERS BLVD 2-14-065	84TH ST 2-14-066





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2-14-038

IT114

2-14-039

2-14-051

2-14-052

2-14-053

2-14-065

2-14-066

2-14-067

86TH ST

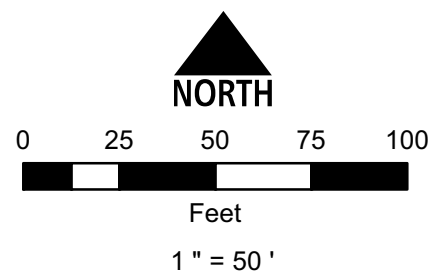
TALIESIN DR
 88TH ST
 HAWK LN

PIONEERS BLVD





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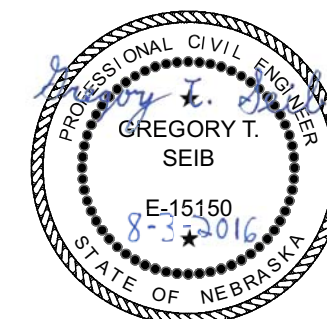
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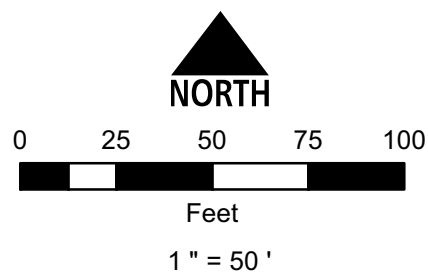
2-14-039	2-14-040	2-14-041
2-14-053	2-14-054	2-14-055
2-14-067	2-14-068	2-14-069

PIONEER CT
PIONEERS BLVD





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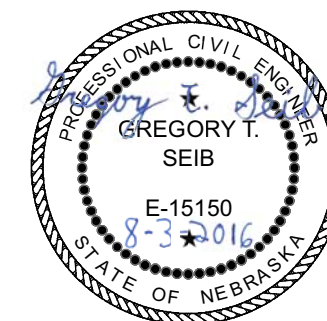
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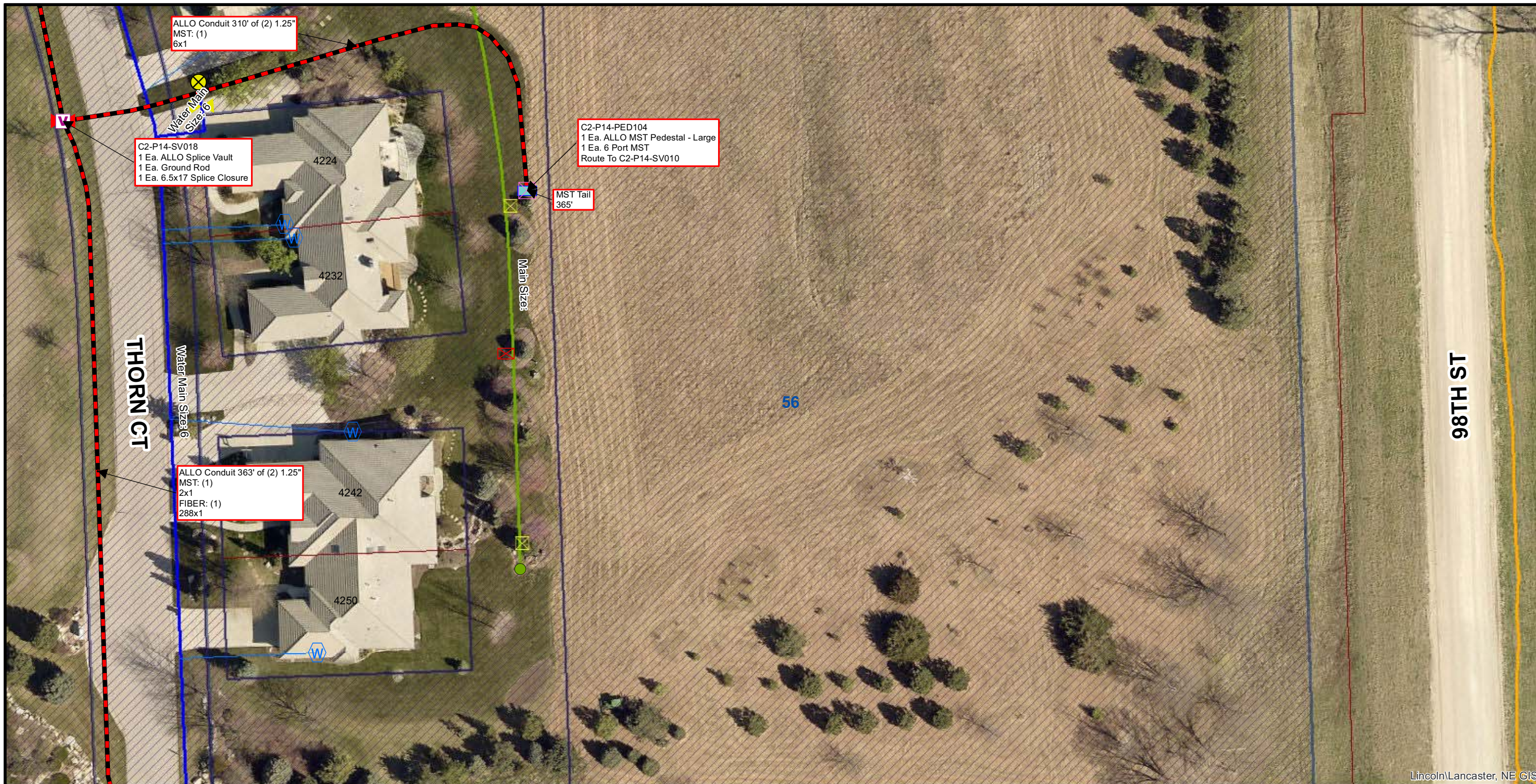
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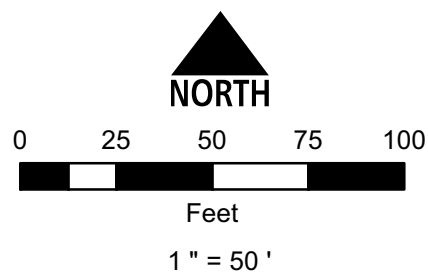
2-14-040	2-14-041	2-14-042
2-14-054	2-14-055	IU118
2-14-068	2-14-069	2-14-070

PIONEERS BLVD
93RD CIR





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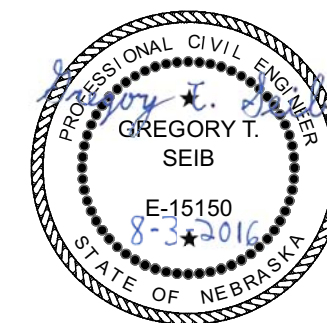


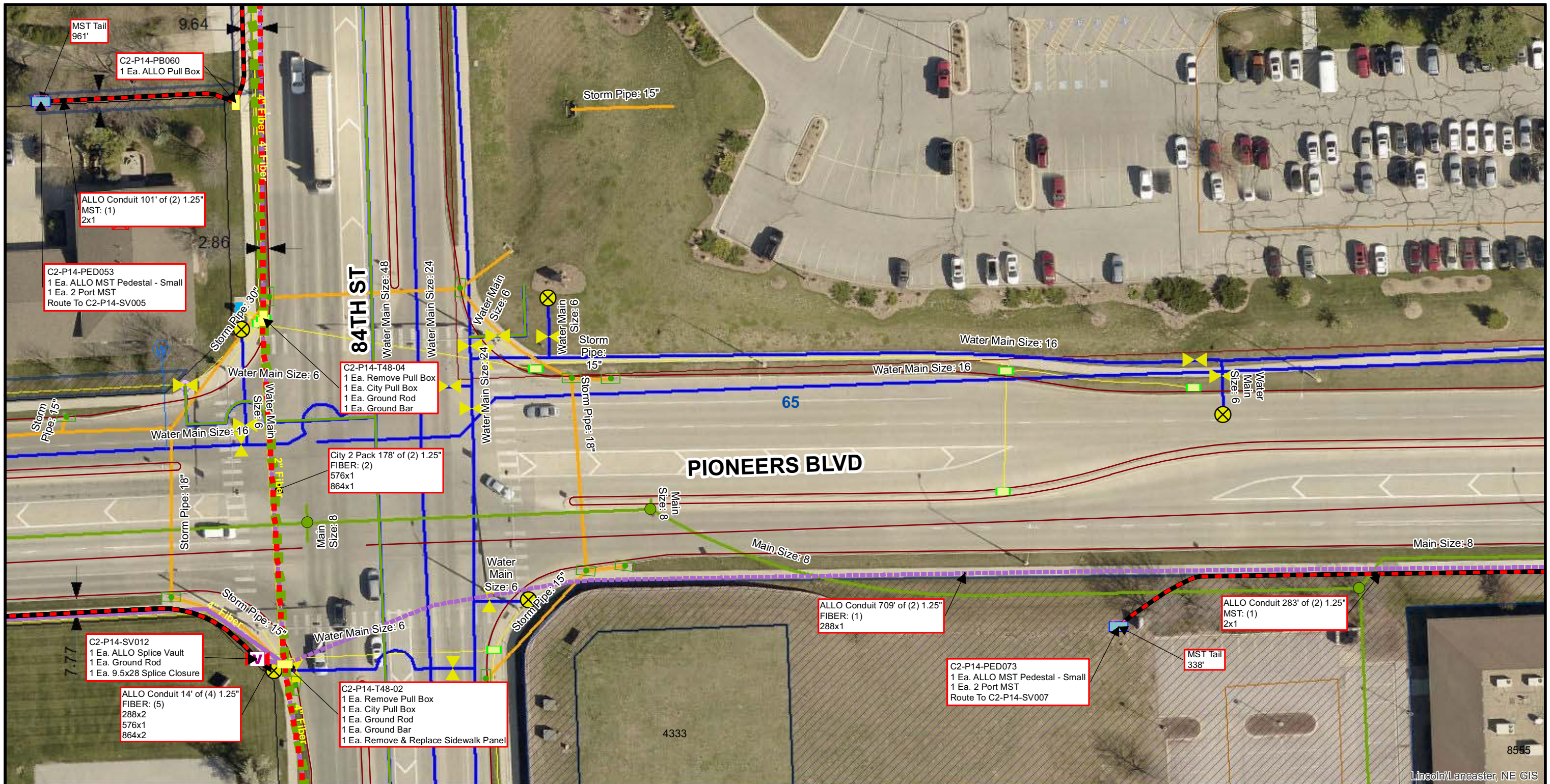
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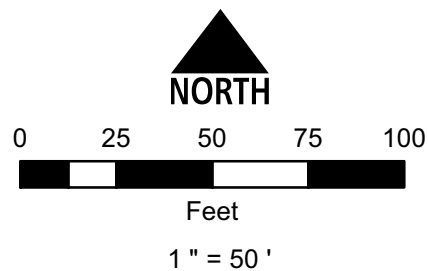
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2-14-042	2-14-043	IT120
IU118	2-14-056	IU120
2-14-070	2-14-071	IV120





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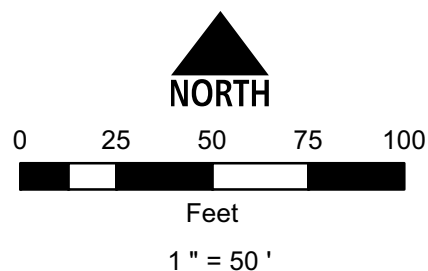
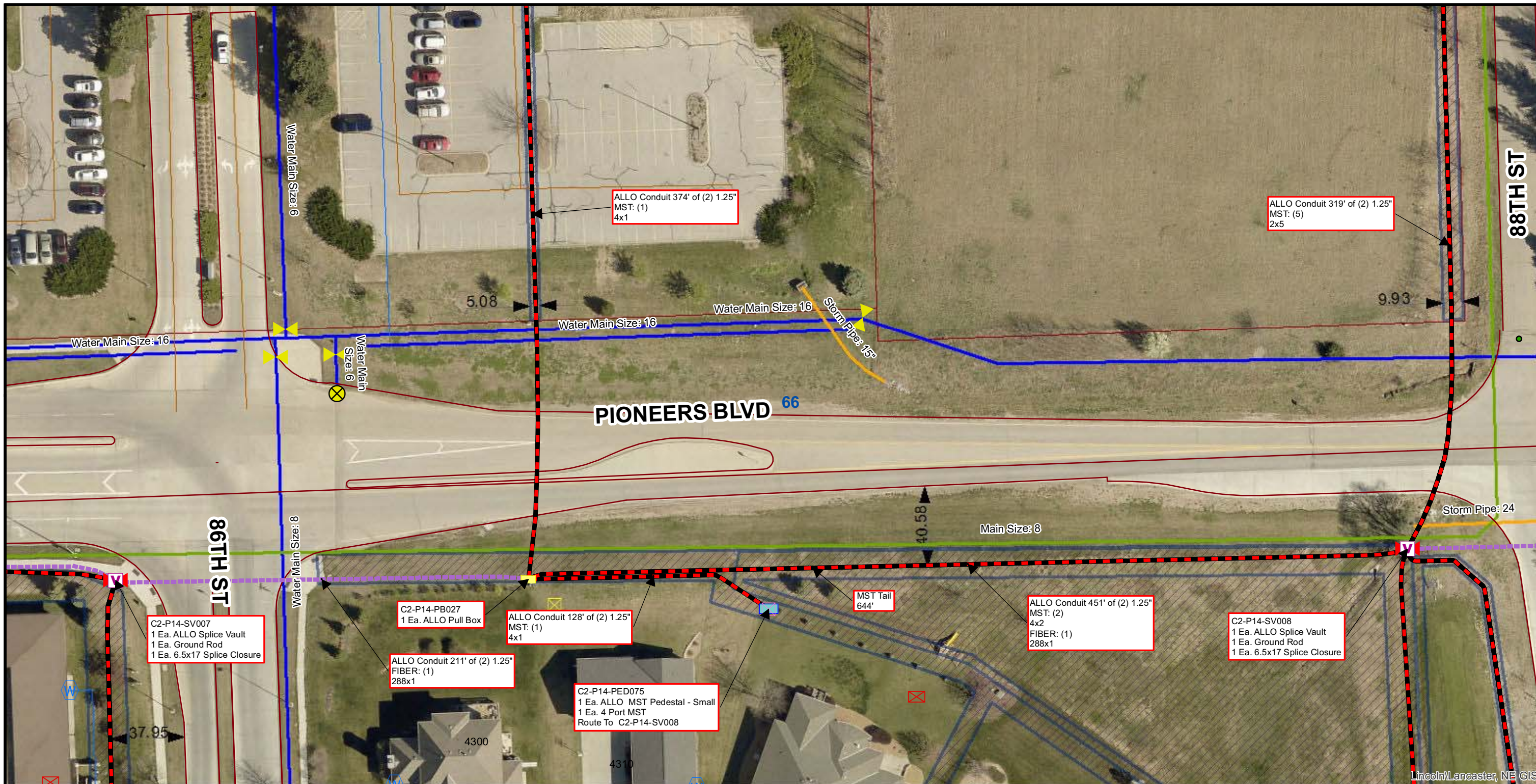
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2-14-050	2-14-051	2-14-052
MEREDETH PL		
2-14-064	2-14-065	2-14-066
PIONEERS BLVD	84TH ST	
PAGODA CT		
2-16-014	2-14-077	PIONEER GREENS DR 2-14-078





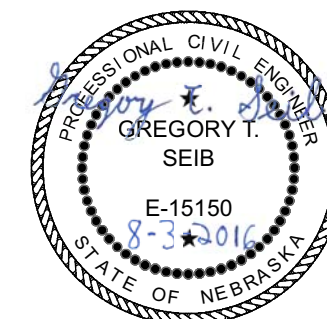
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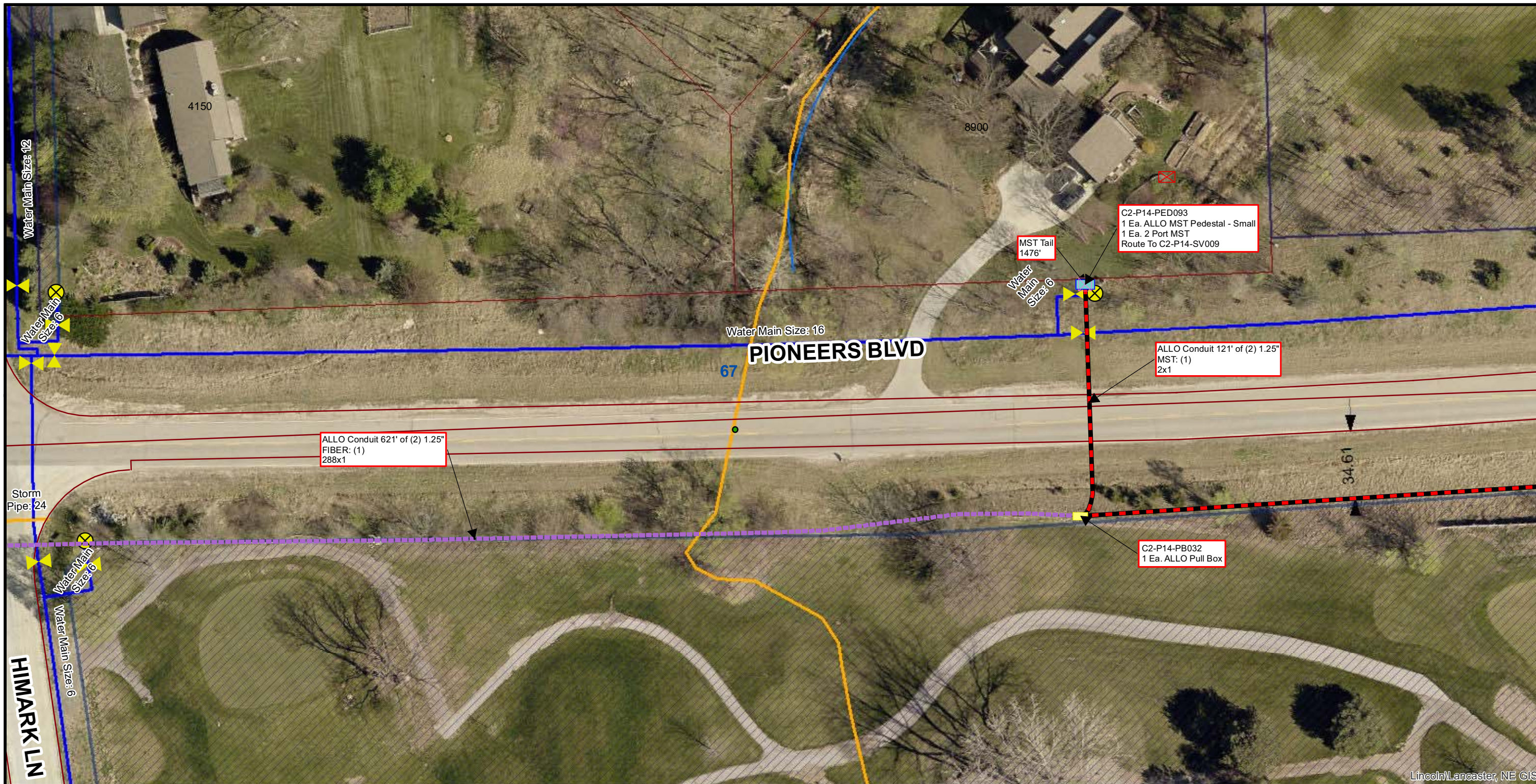
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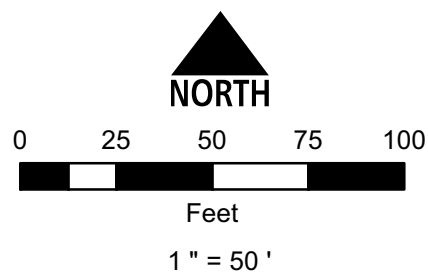
2-14-051	2-14-052	2-14-053
2-14-065	2-14-066	2-14-067
2-14-077	2-14-078	2-14-079

86TH ST, 88TH ST, PIONEERS BLVD, HILMARK LN, PIONEER GREENS DR





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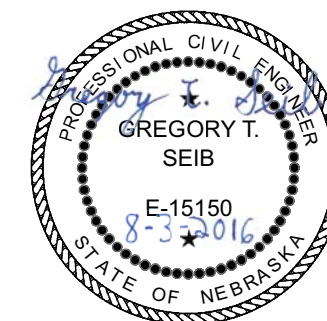


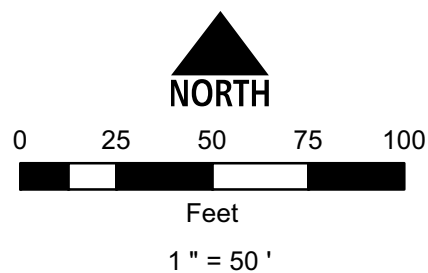
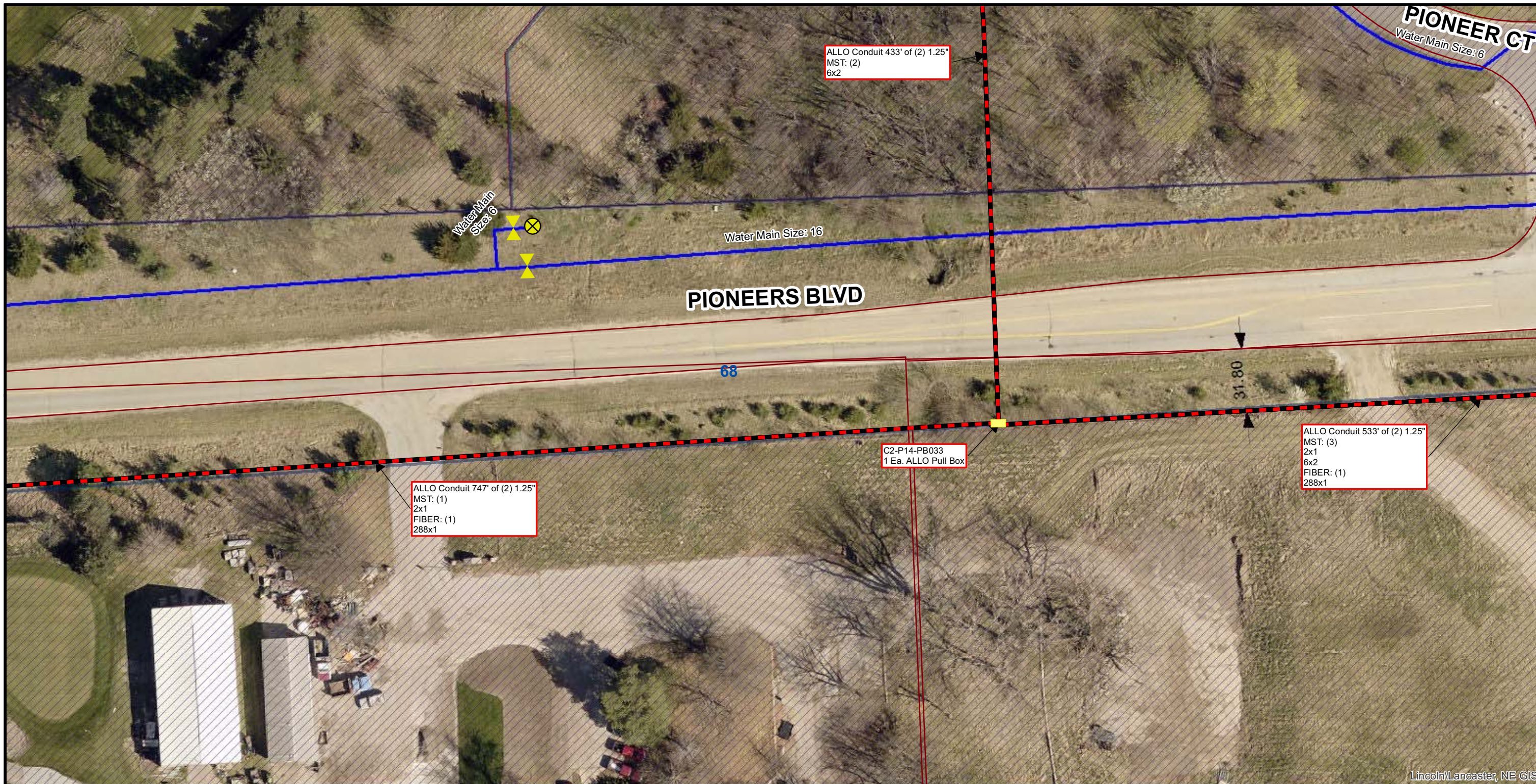
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2-14-052	2-14-053	2-14-054
2-14-066	2-14-067 PIONEERS BLVD	2-14-068
2-14-078	2-14-079	IW116



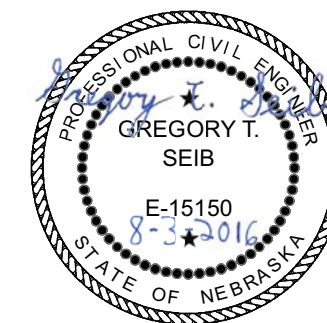


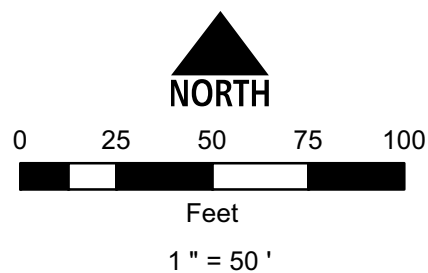
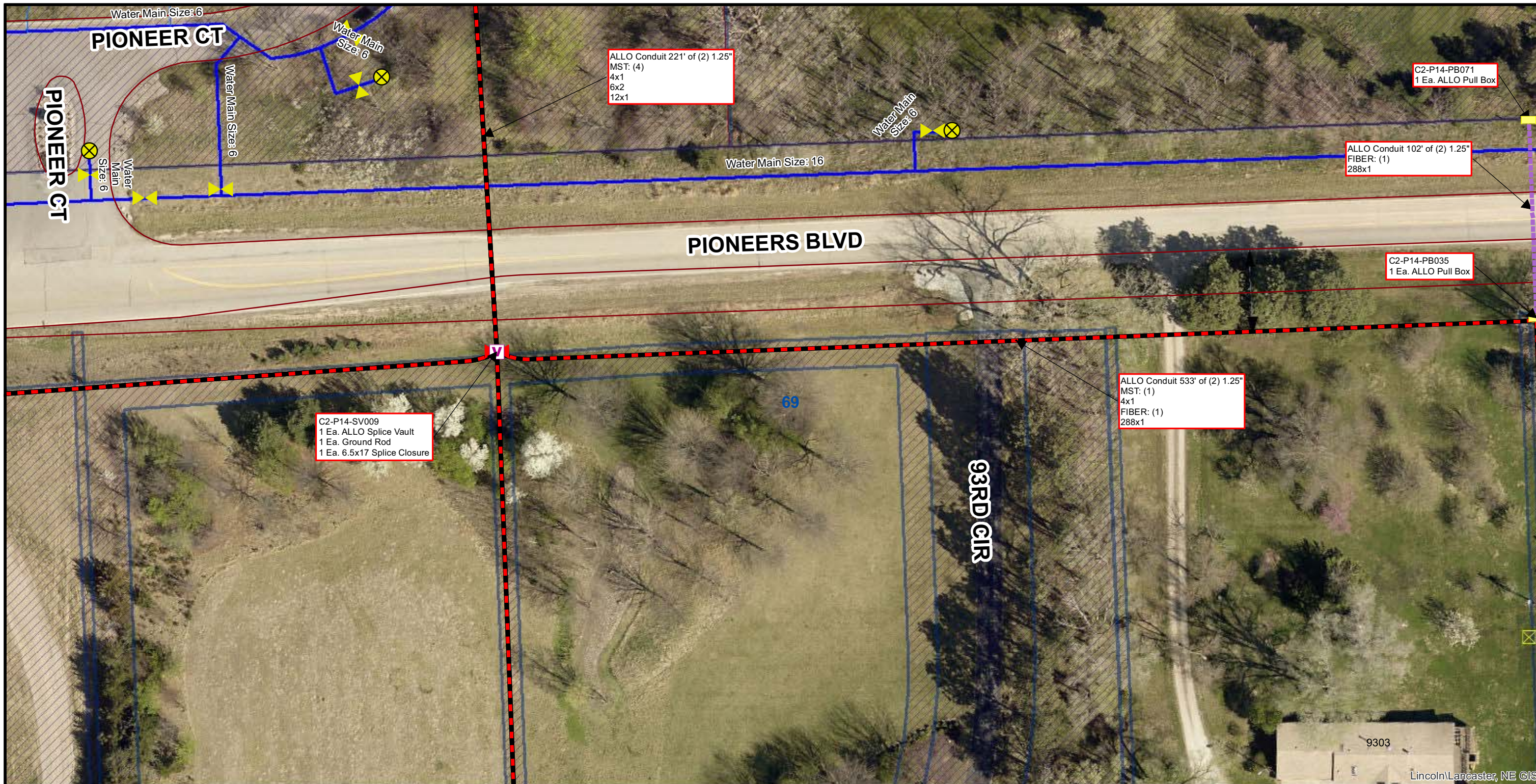
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2-14-053	2-14-054	2-14-055
2-14-067	2-14-068	2-14-069
2-14-079	IW116	2-14-080



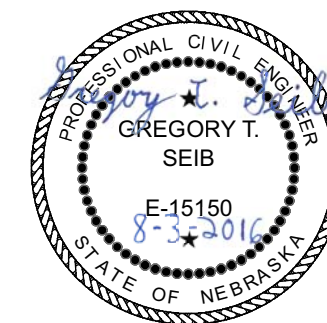


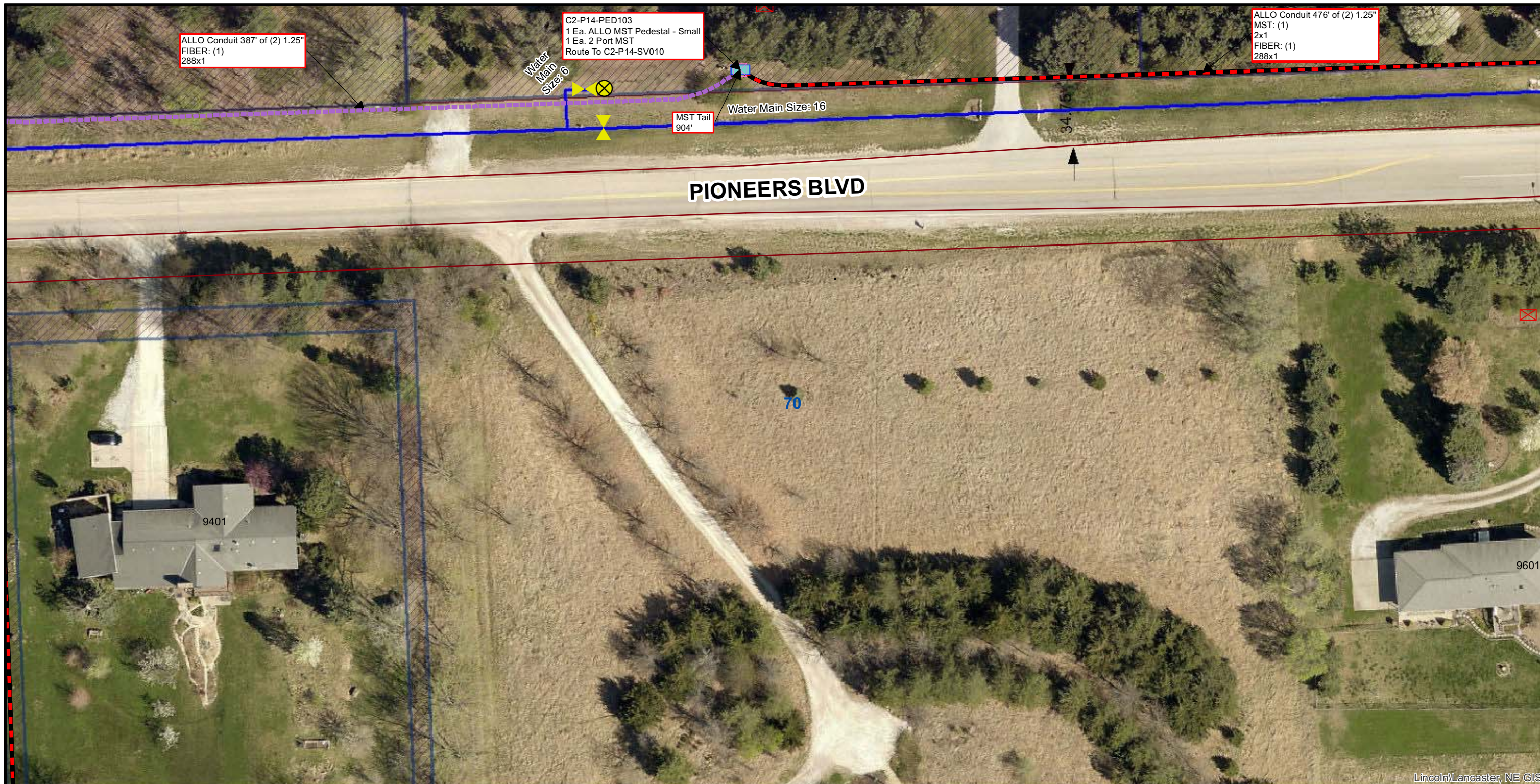
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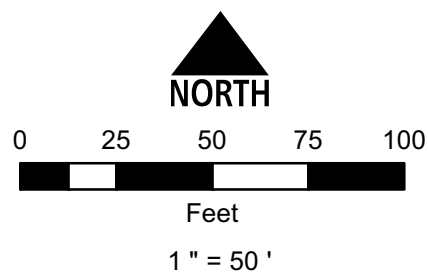
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2-14-054	PIONEER CT	2-14-055	IU118
2-14-068	PIONEER CT	2-14-069	2-14-070
IW116	93RD CIR	2-14-080	2-14-081





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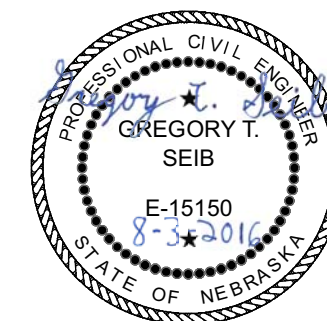


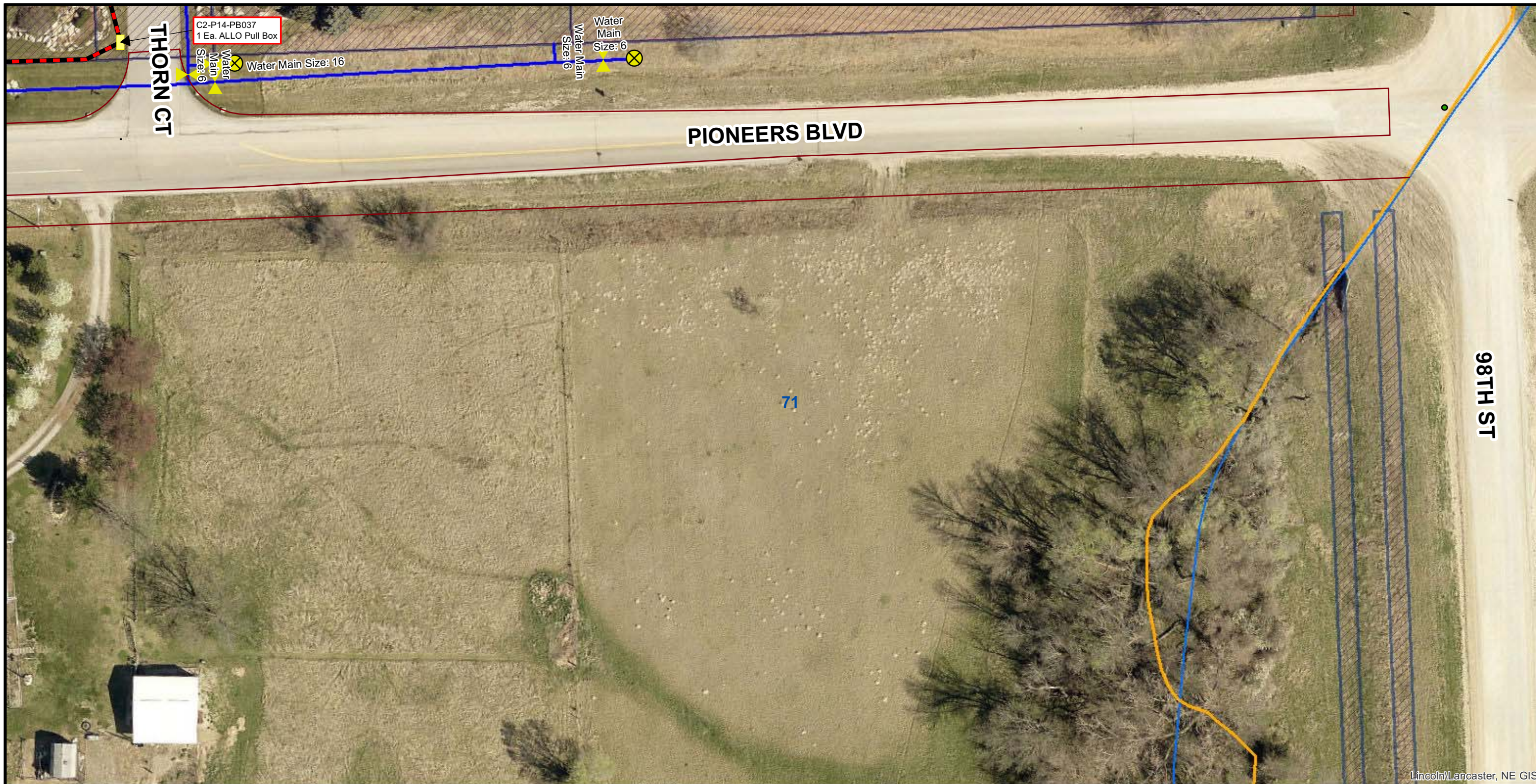
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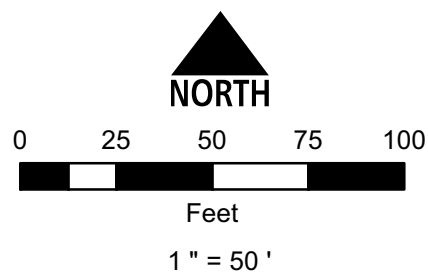
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2-14-055	IU118	2-14-056
2-14-069	PIONEERS BLVD 2-14-070	2-14-071
2-14-080	2-14-081	IW119





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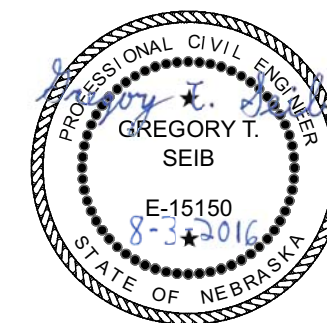


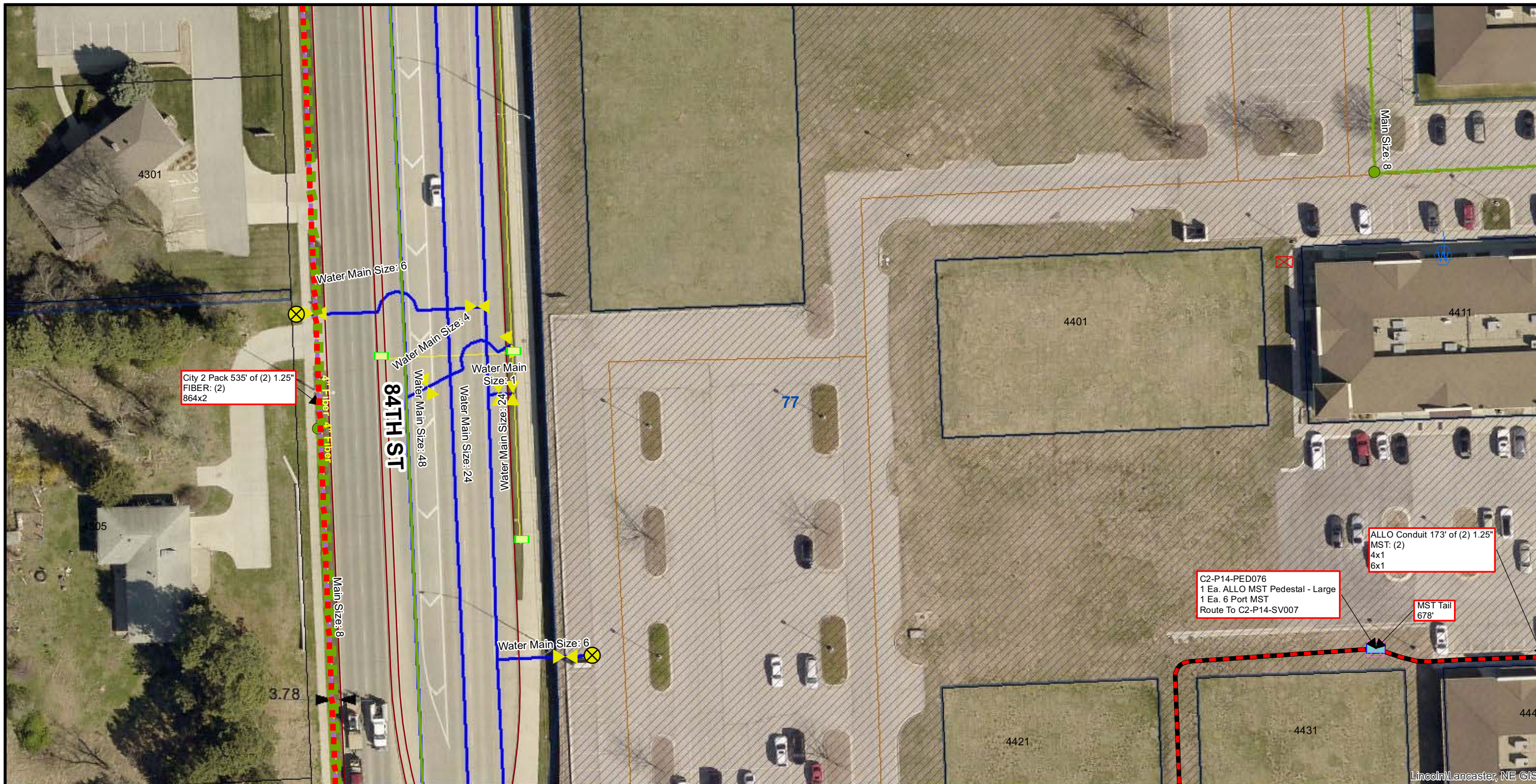
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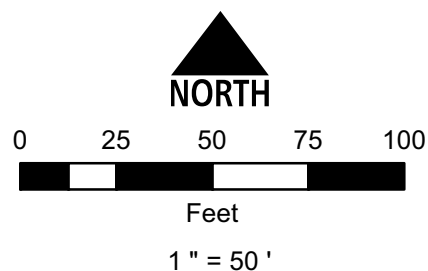
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IU118	THORN CT	2-14-056	IU120
2-14-070	PIONEERS BLVD	2-14-071	IV120
2-14-081	98TH ST	IW119	IW120





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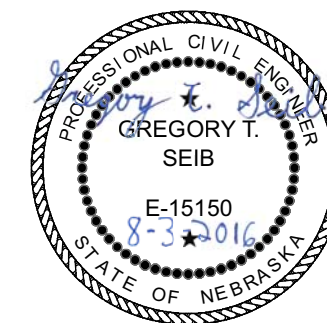


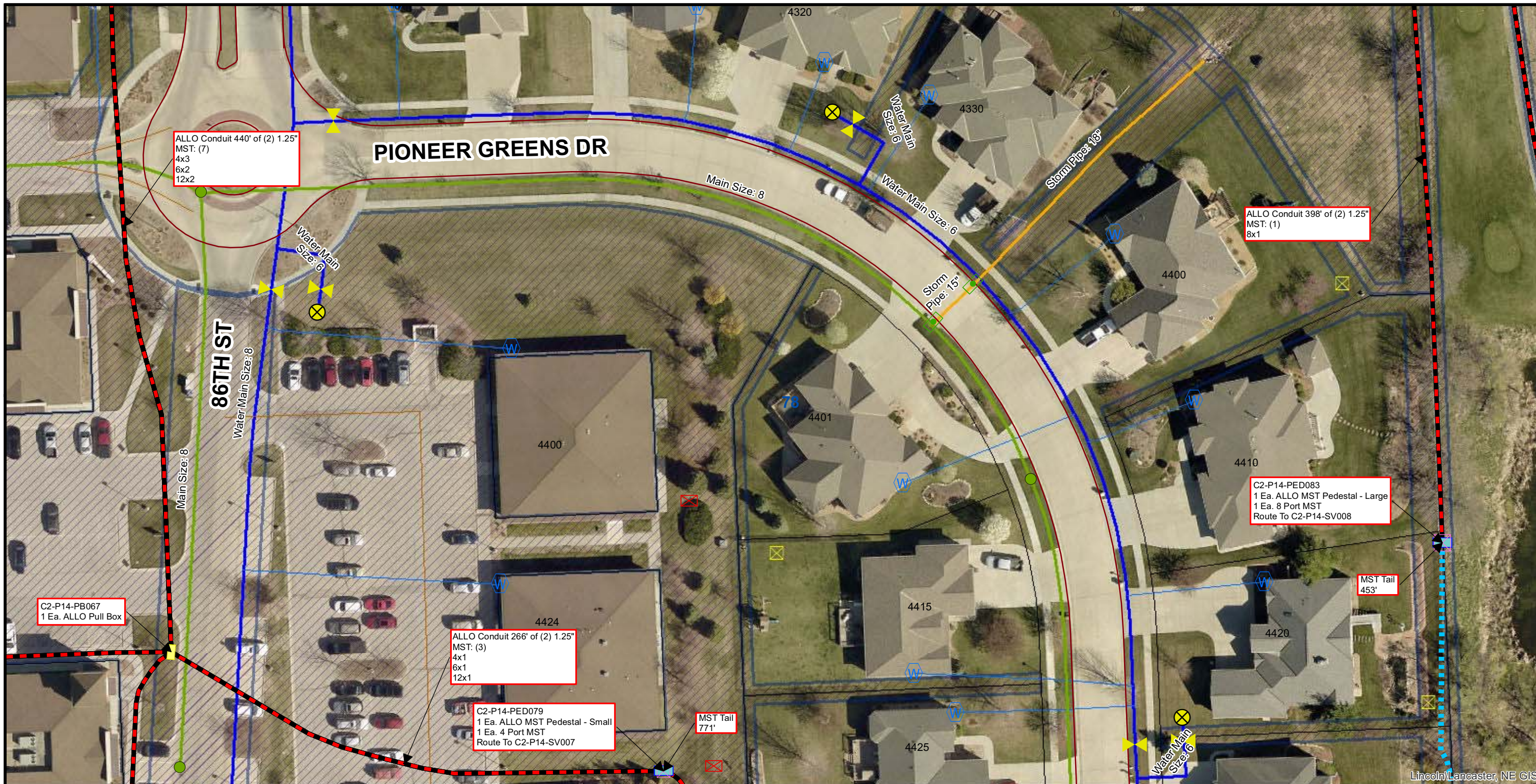
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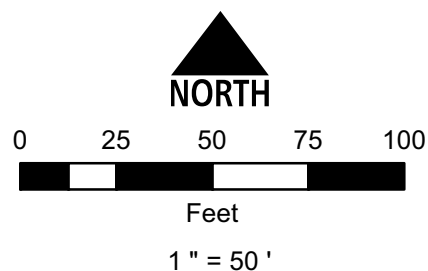
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2-14-064	2-14-065	PIONEERS BLVD	2-14-066
PAGODA CT	2-16-014	84TH ST	PIONEER GREENS DR
			2-14-078
2-16-024	2-14-082		2-14-083





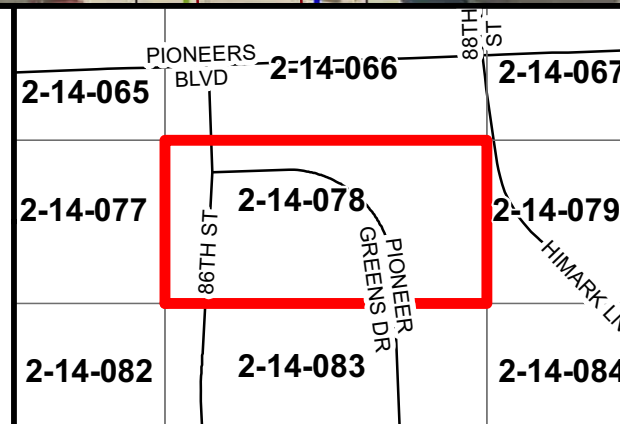
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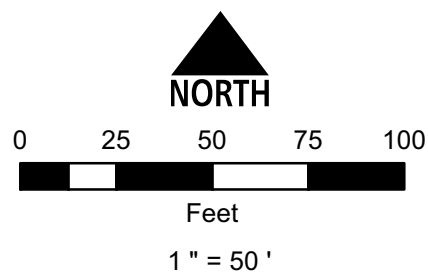
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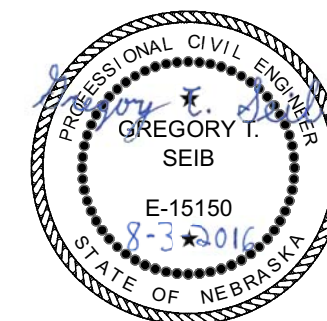


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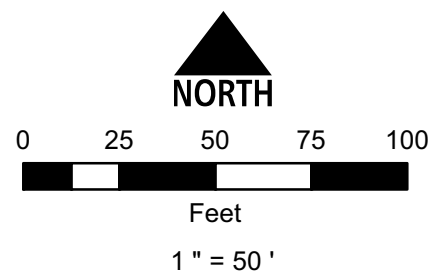
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2-14-066	2-14-067	2-14-068
2-14-078	2-14-079	IW116
2-14-083	2-14-084	IX116





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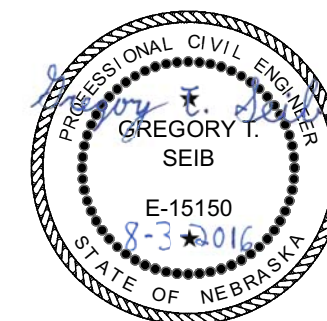


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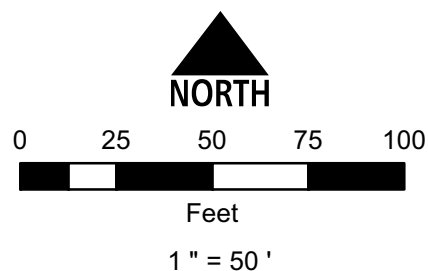
	PIONEERS BLVD	
2-14-068	2-14-069	2-14-070
IW116	2-14-080	2-14-081
IX116	2-14-085	IX118





ALLO Conduit 618' of (2) 1.25"
MST: (1)
4x1

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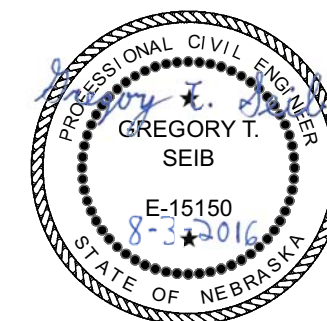


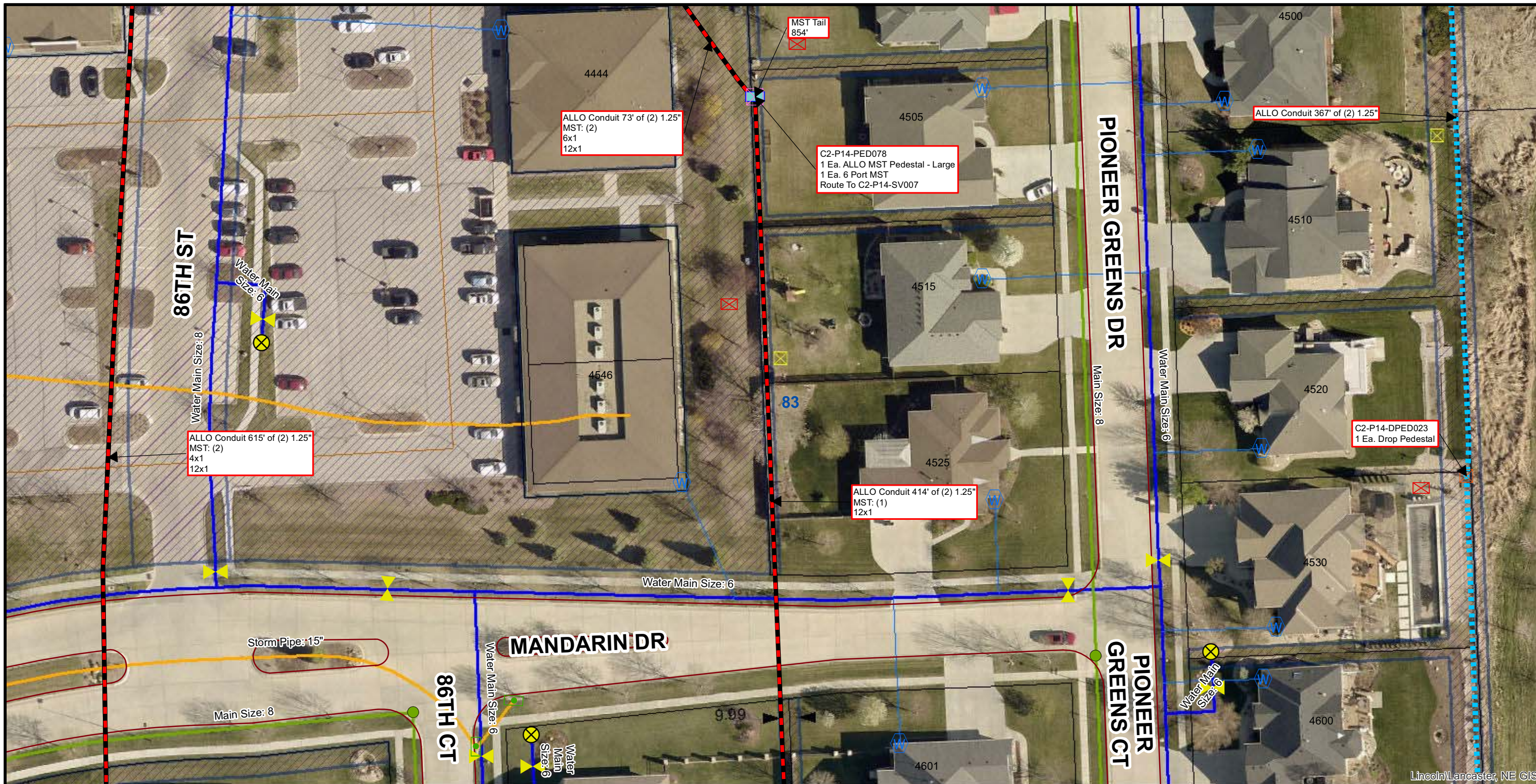
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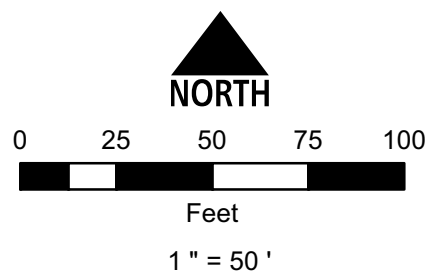
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PIONEERS BLVD		
2-14-069	2-14-070	2-14-071
2-14-080	2-14-081	IW119
2-14-085	IX118	IX119





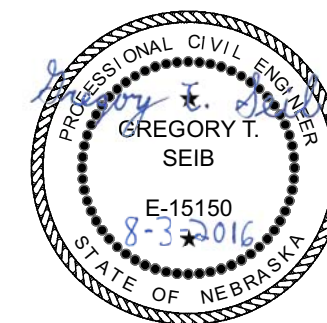
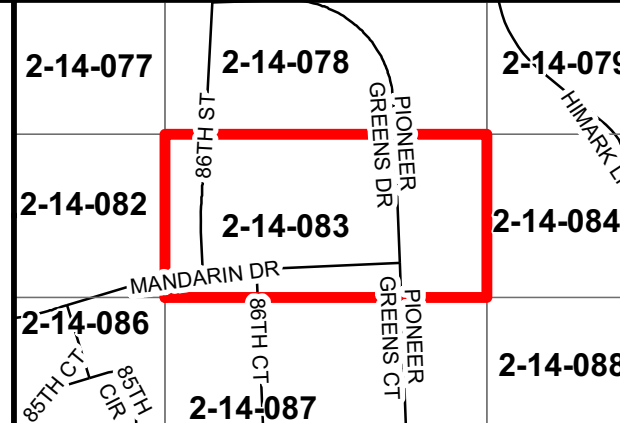
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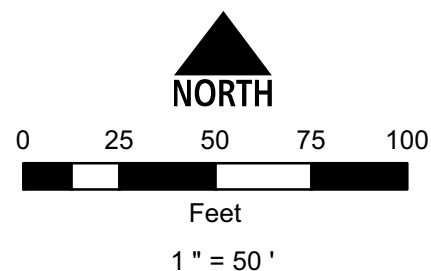
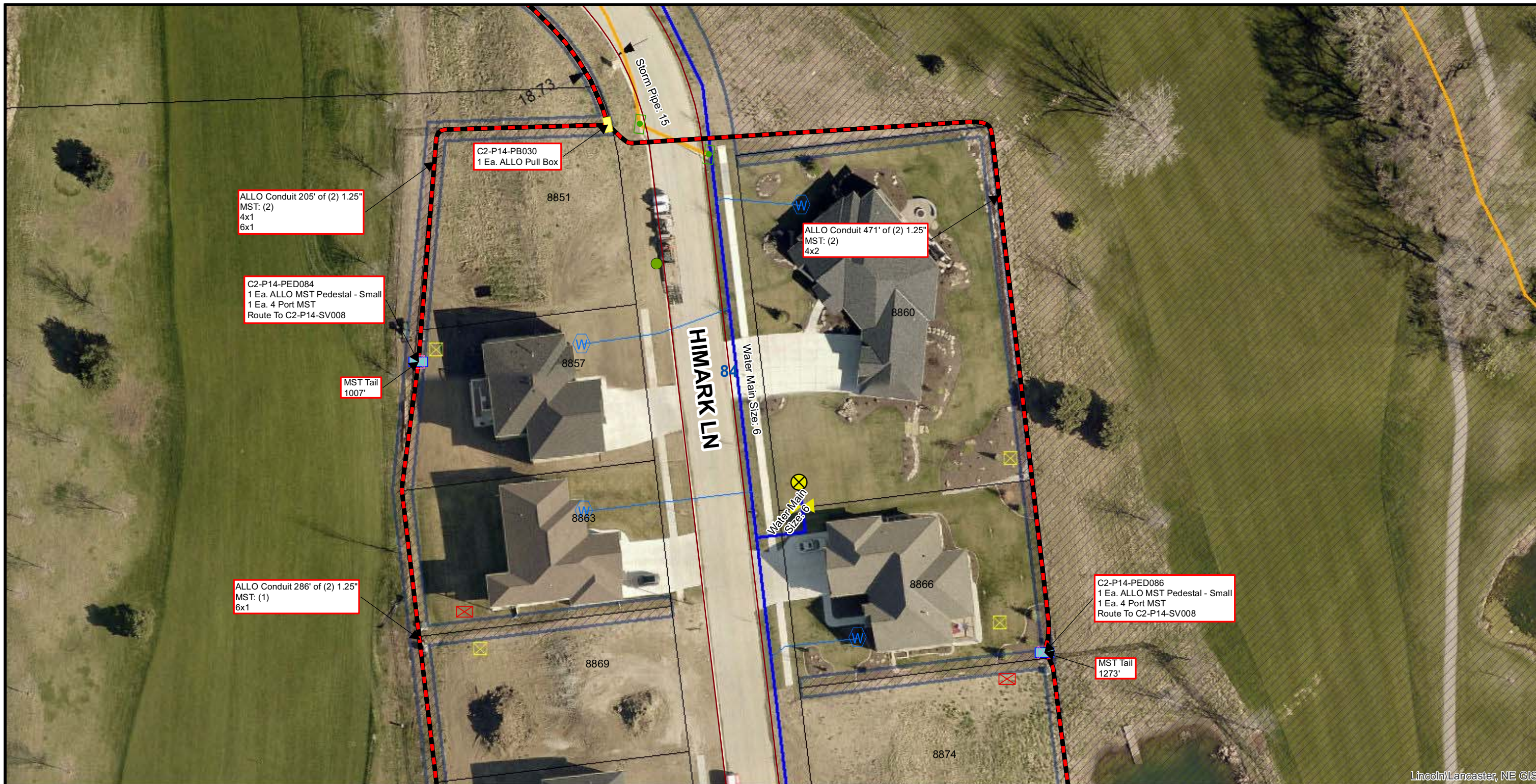


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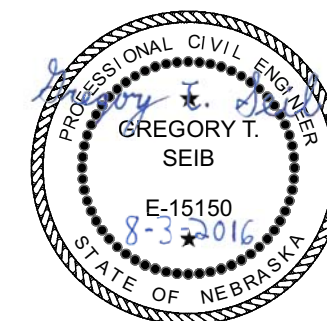


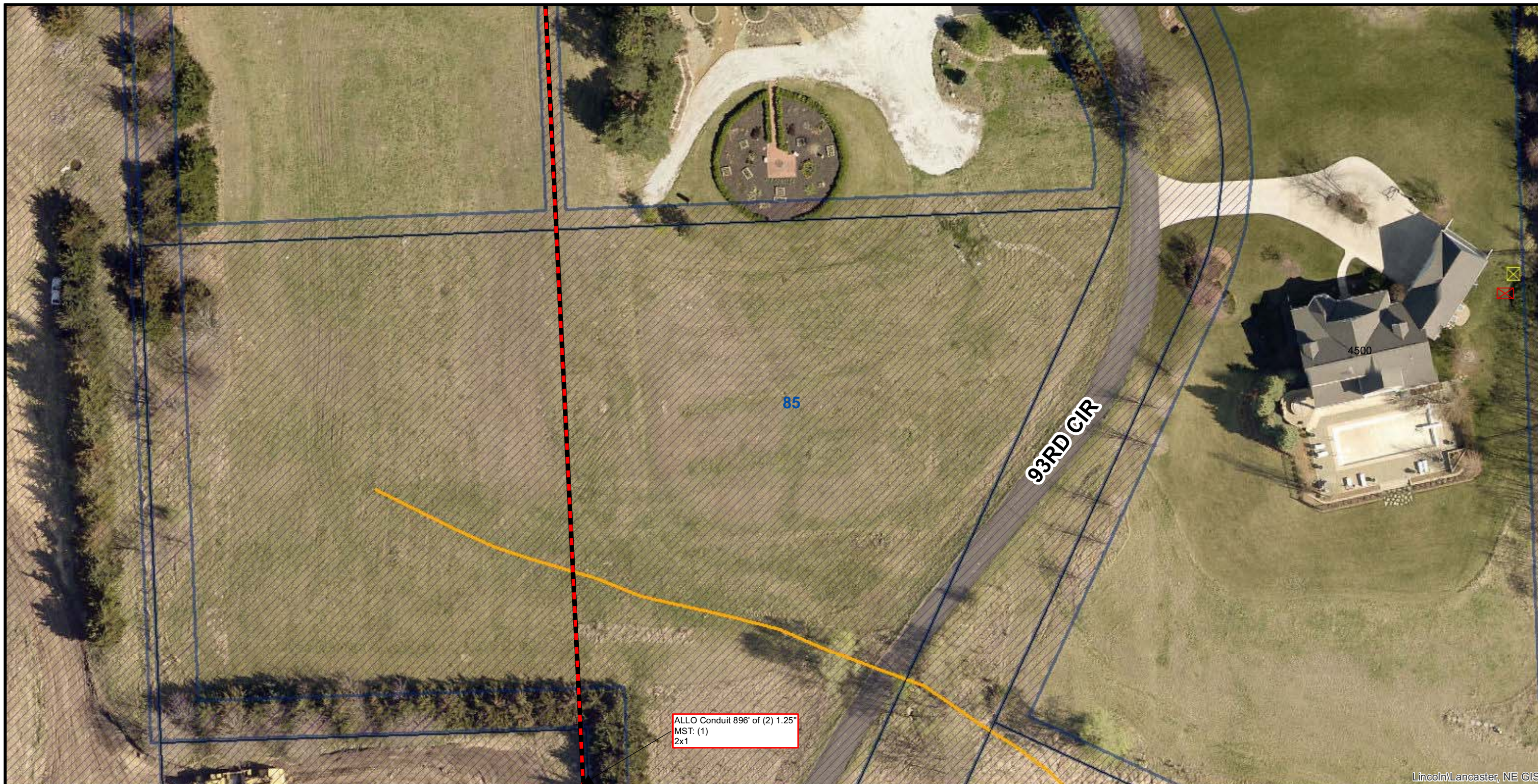
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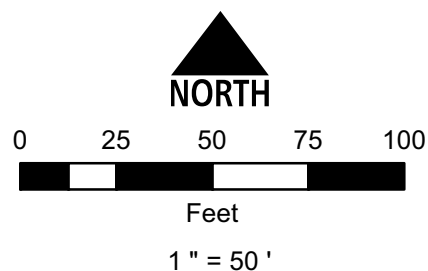
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2-14-078 PIONEER GREENS DR	2-14-079 HIMARK LN	IW116
2-14-083 PIONEER GREENS CT	2-14-084	IX116
2-14-087	2-14-088	IY116





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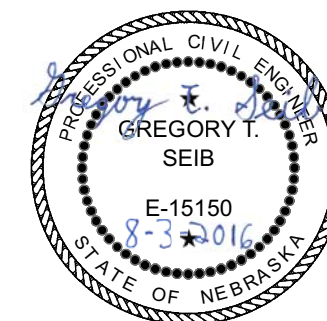


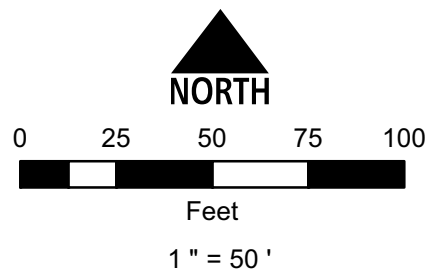
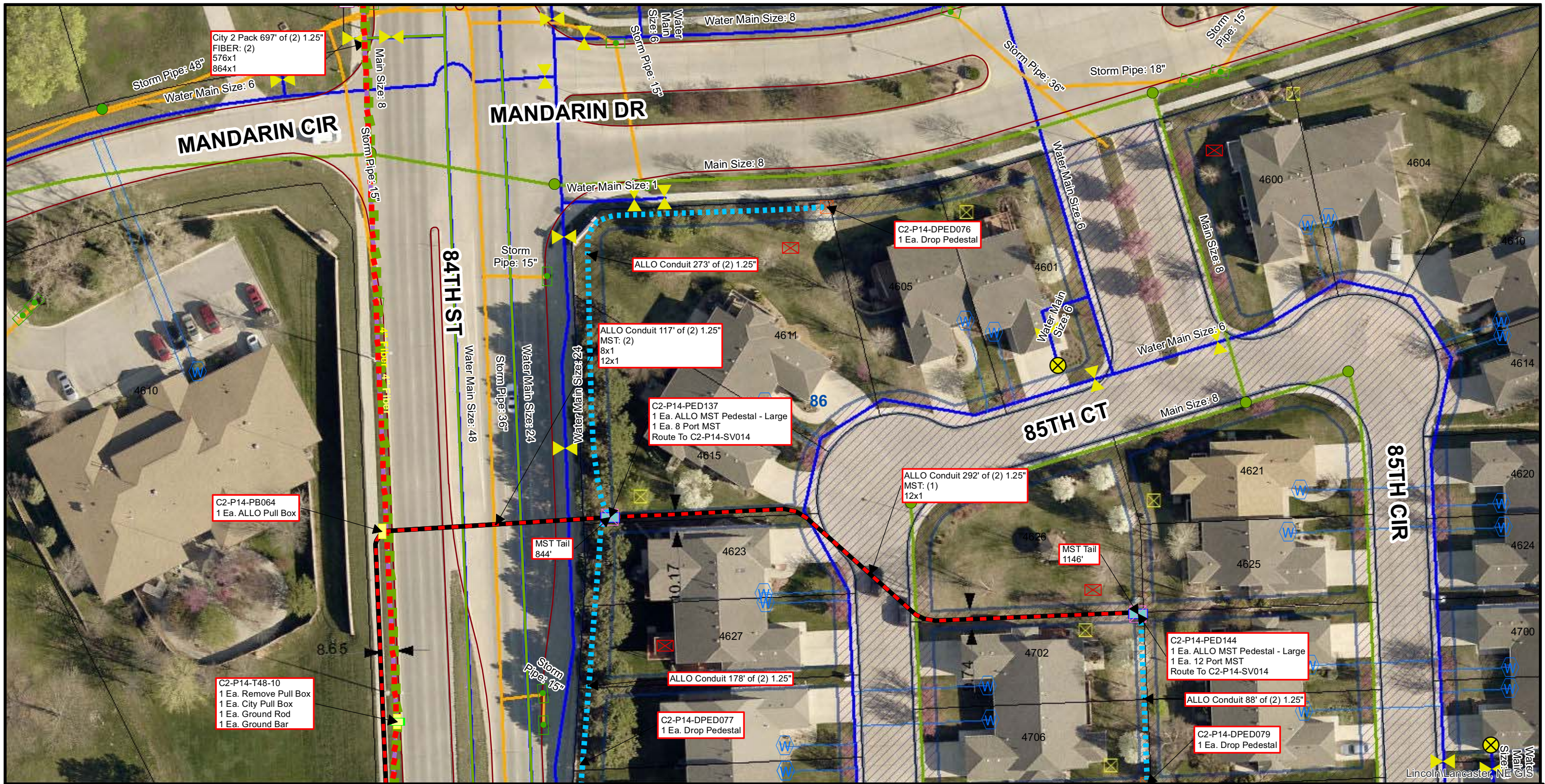
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IW116	2-14-080	2-14-081
IX116	2-14-085	IX118
IY116	2-14-089	IY118



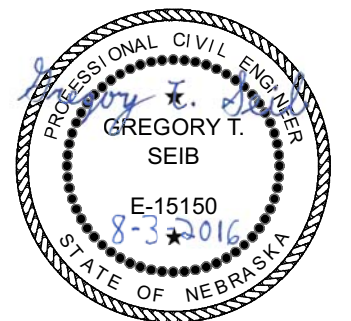


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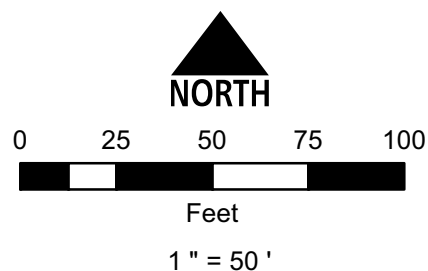
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2-16-024	2-14-082	85TH ST
2-16-033	MANDARIN DR	2-14-083
2-16-042	84TH ST	2-14-087
	85TH CT	2-14-086
	85TH CIR	2-14-090
		2-14-091





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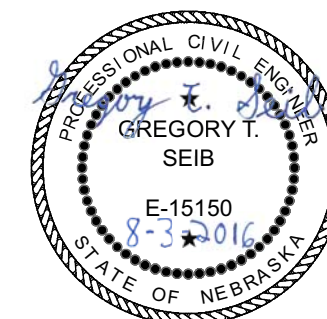


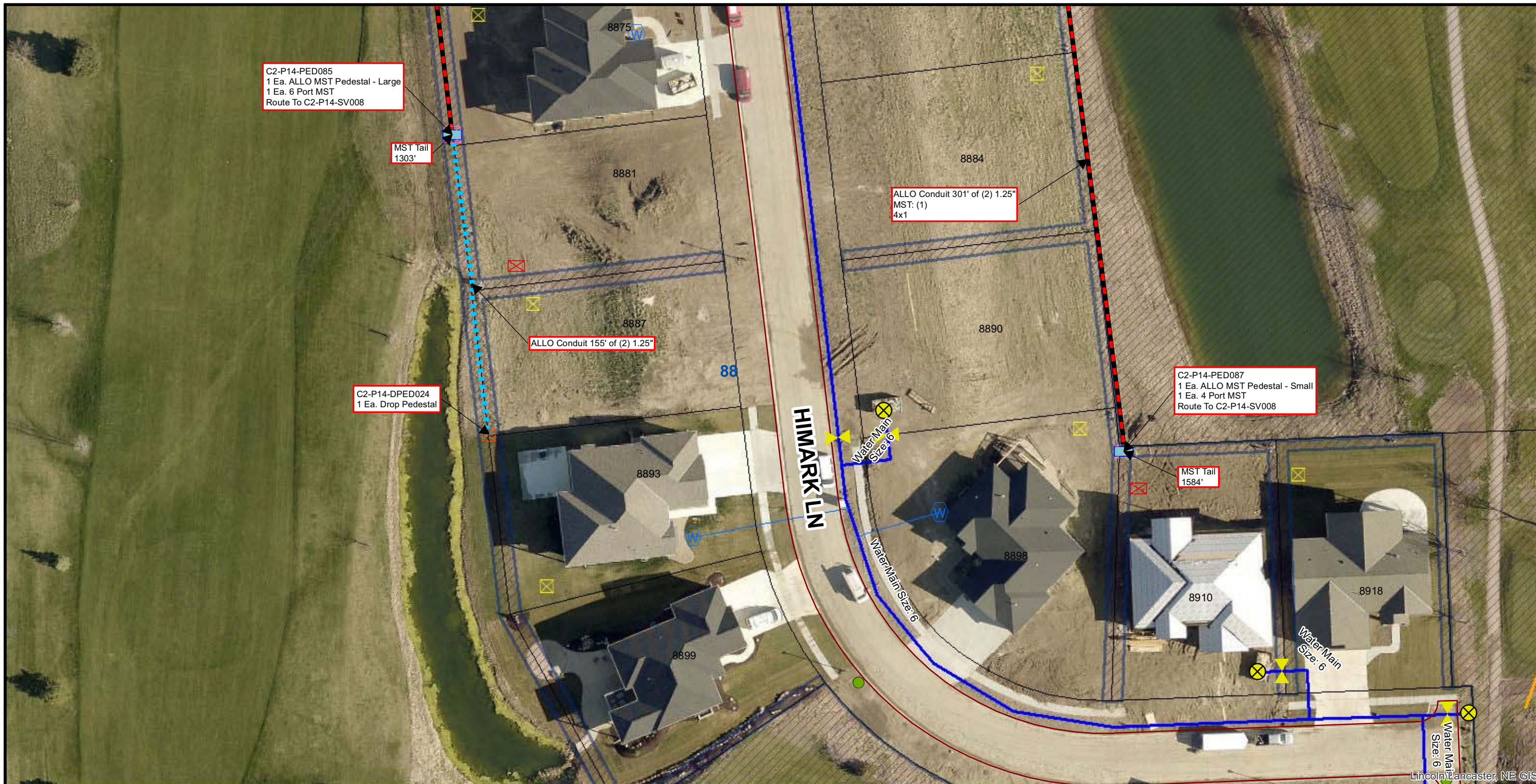
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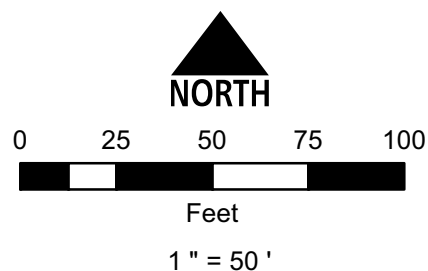
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2-14-082	2-14-083	2-14-084
2-14-086	2-14-087	2-14-088
2-14-090	2-14-091	2-14-092





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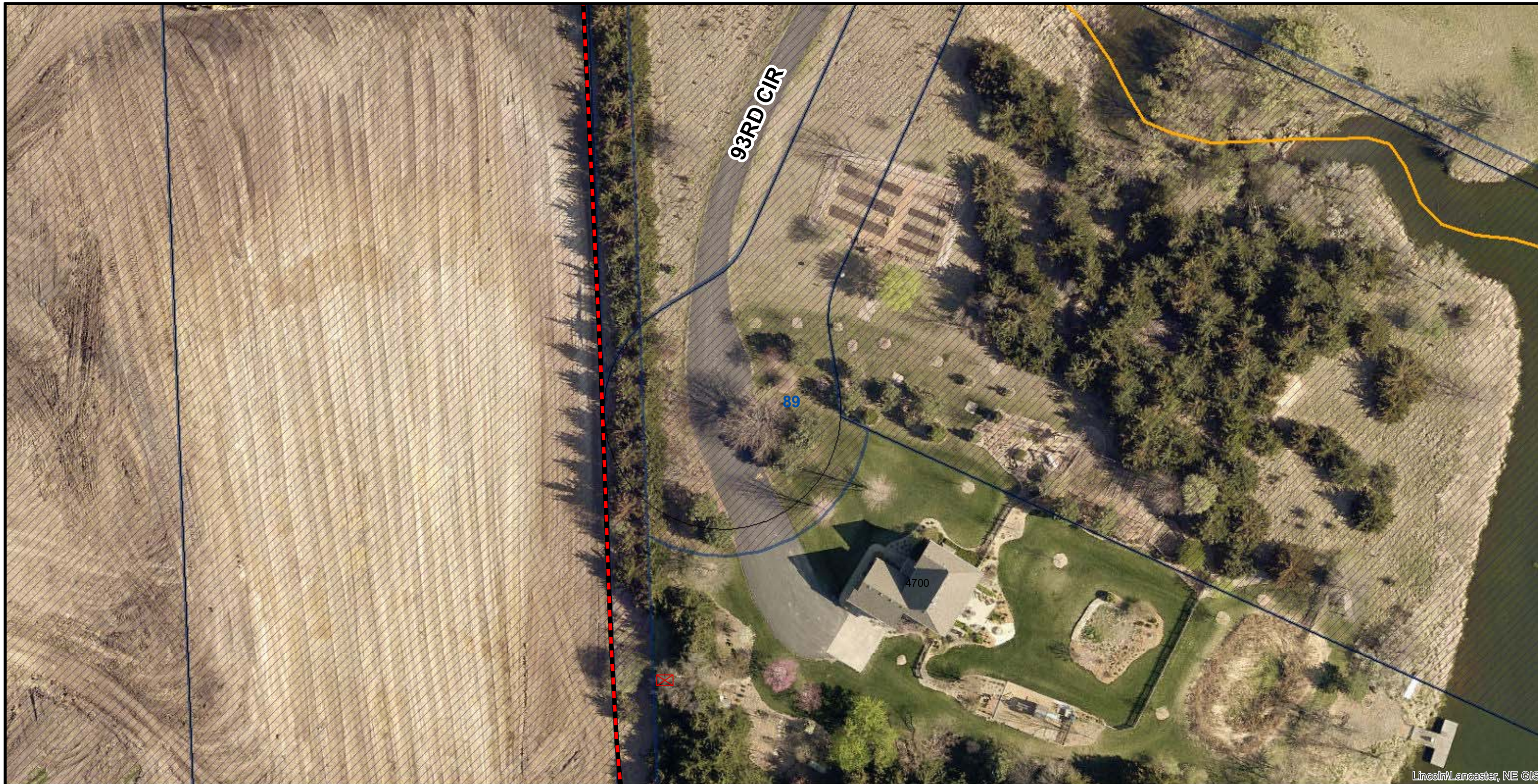
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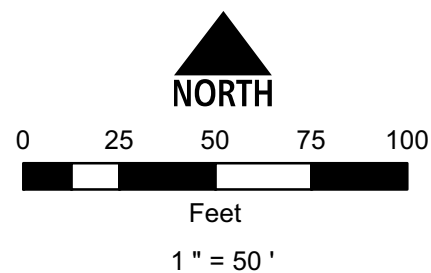
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2-14-083	2-14-084	IX116
2-14-087	2-14-088	IY116
2-14-091	2-14-092	IZ116





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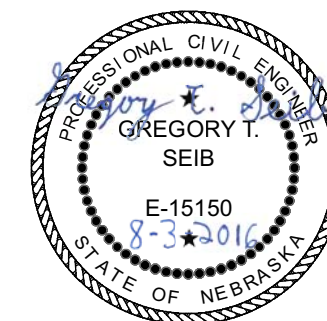


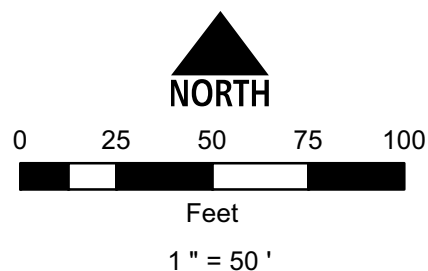
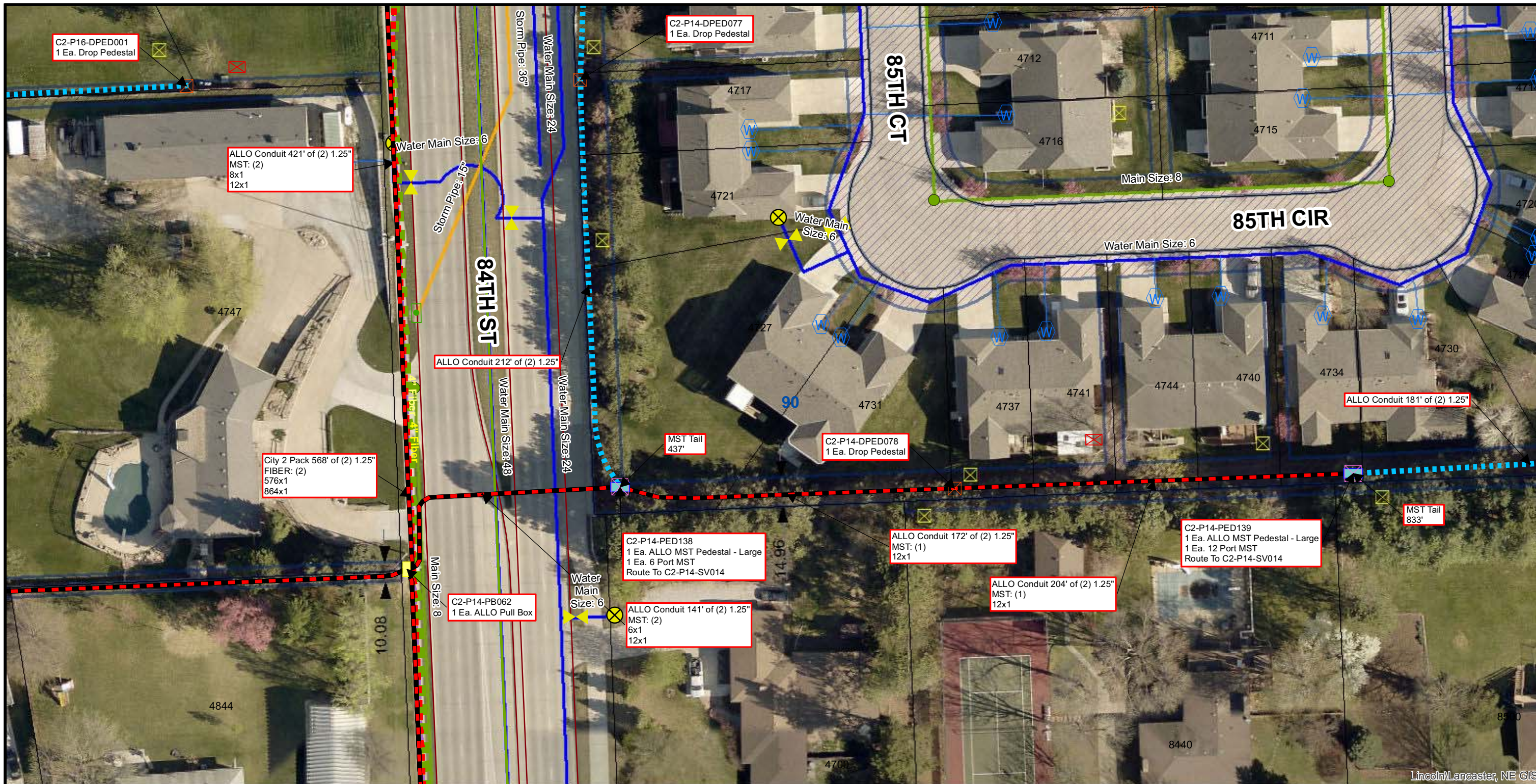
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IX116	2-14-085	IX118
IY116	2-14-089	IY118
IZ116	2-14-093	IZ118

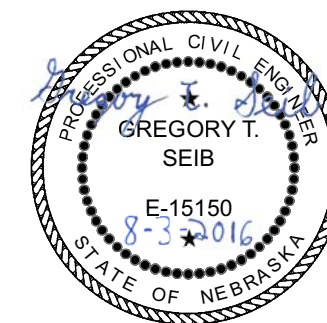
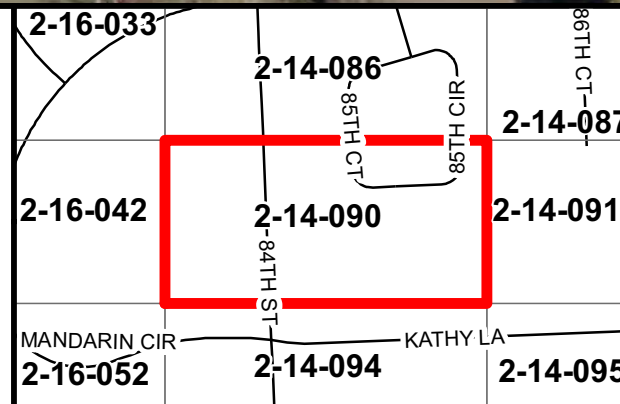


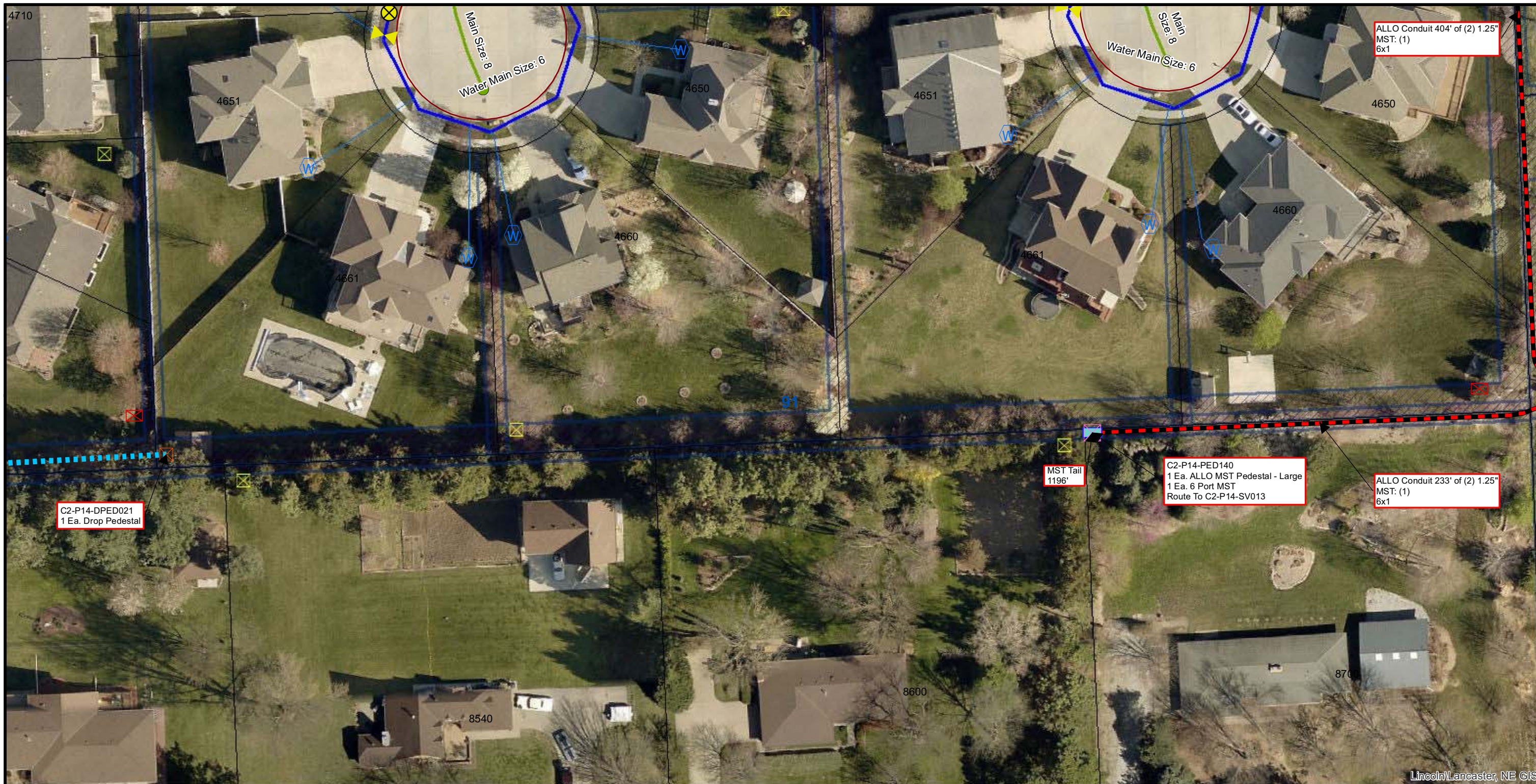


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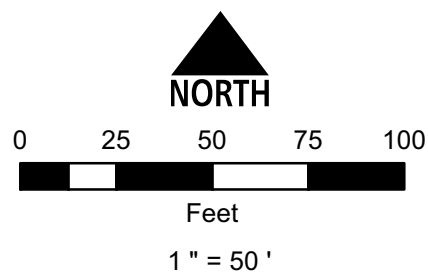
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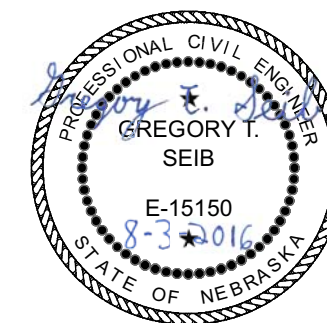


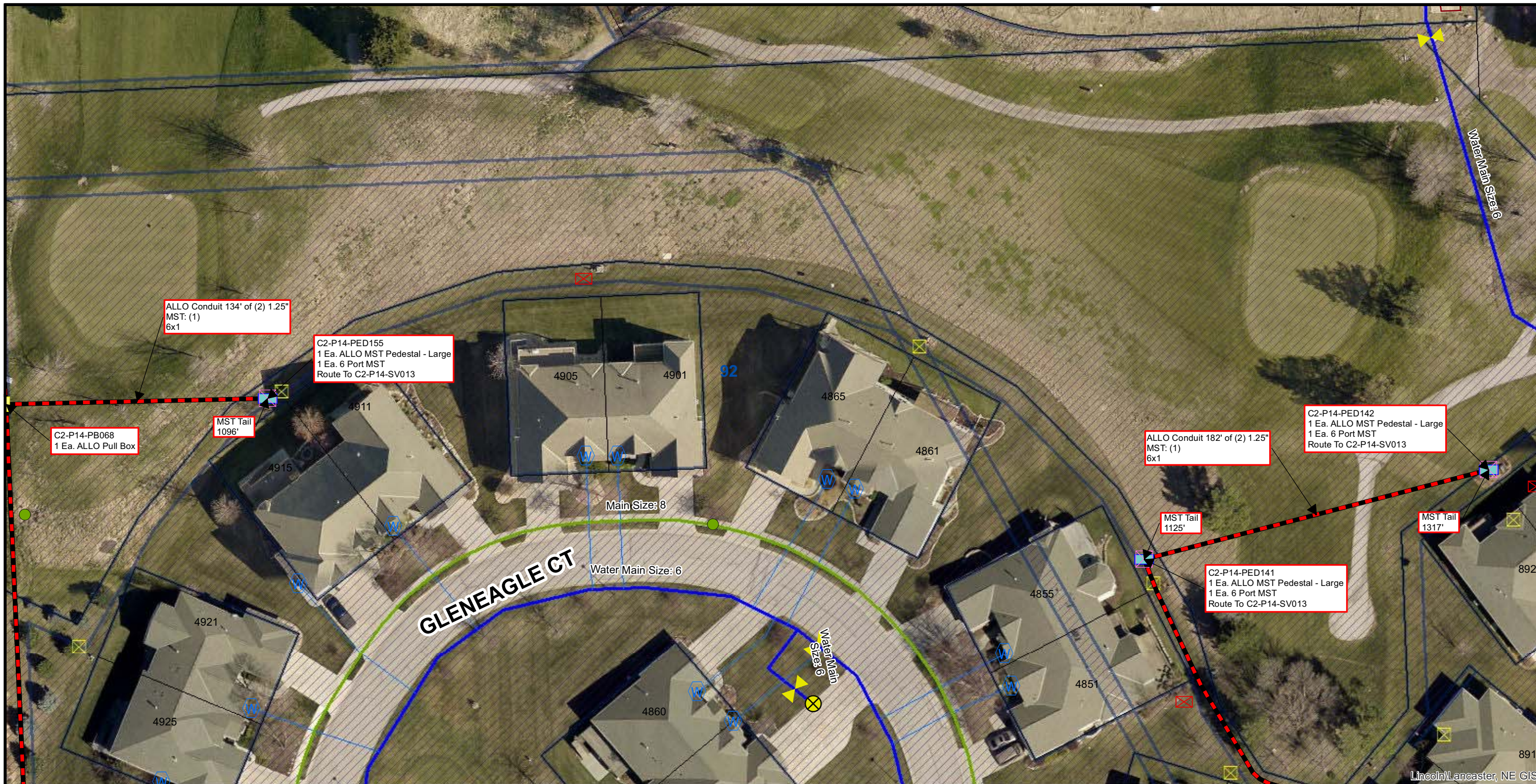
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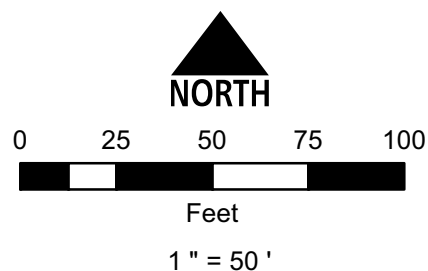
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2-14-086	85TH CIR	2-14-087	2-14-088
2-14-090	86TH CT	2-14-091	2-14-092
2-14-094	KATHY LA- RENTRO DR	2-14-095	2-14-096





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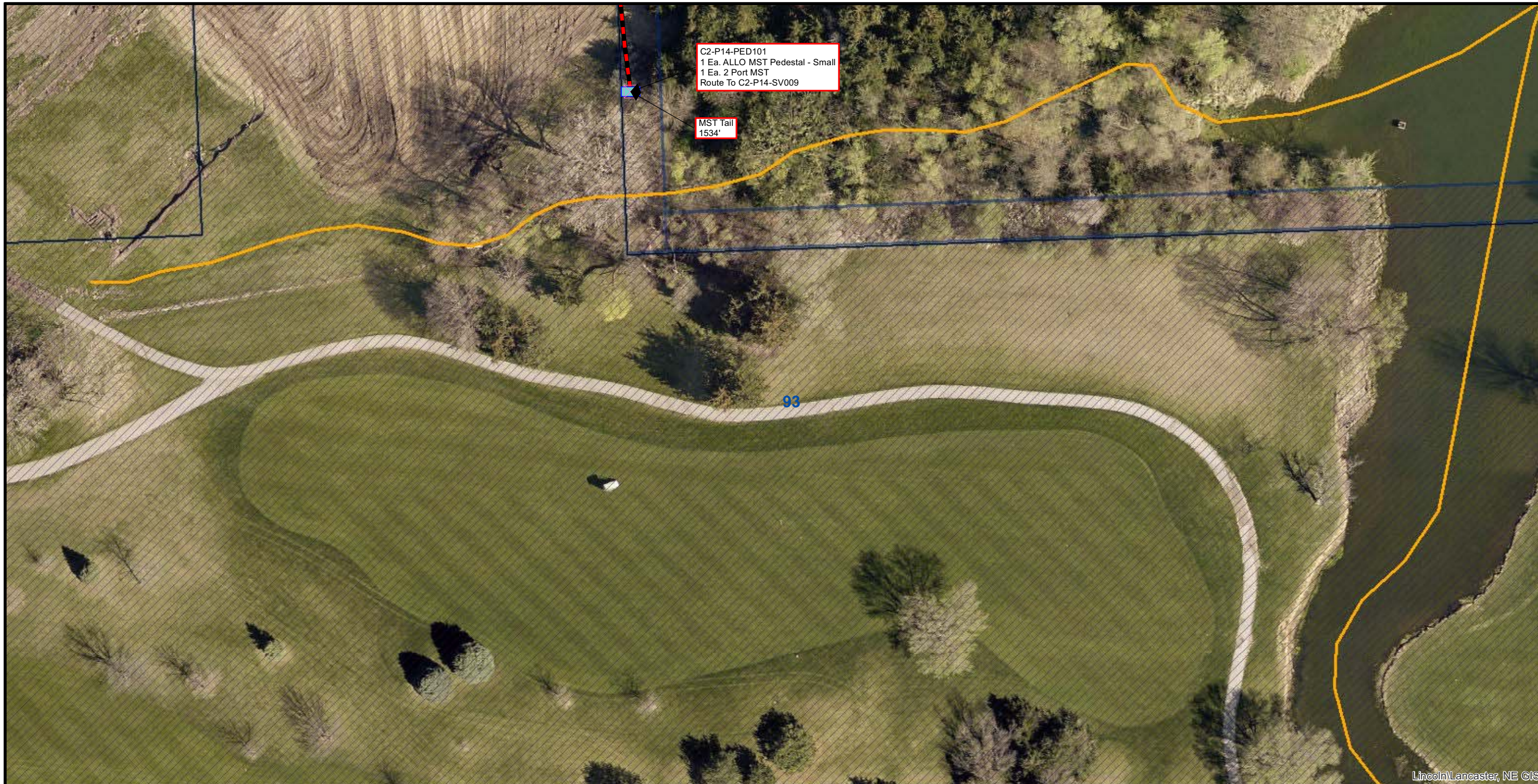
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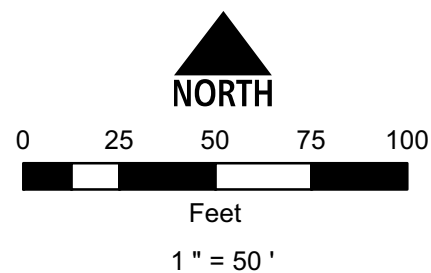
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2-14-087	2-14-088	IY116
2-14-091	2-14-092	IZ116
2-14-095	2-14-096	2-14-097





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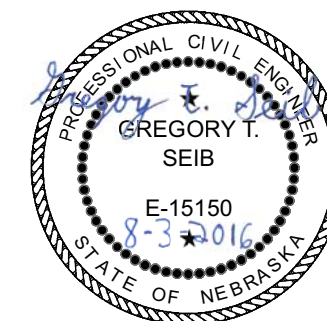


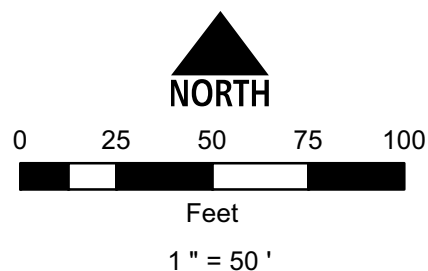
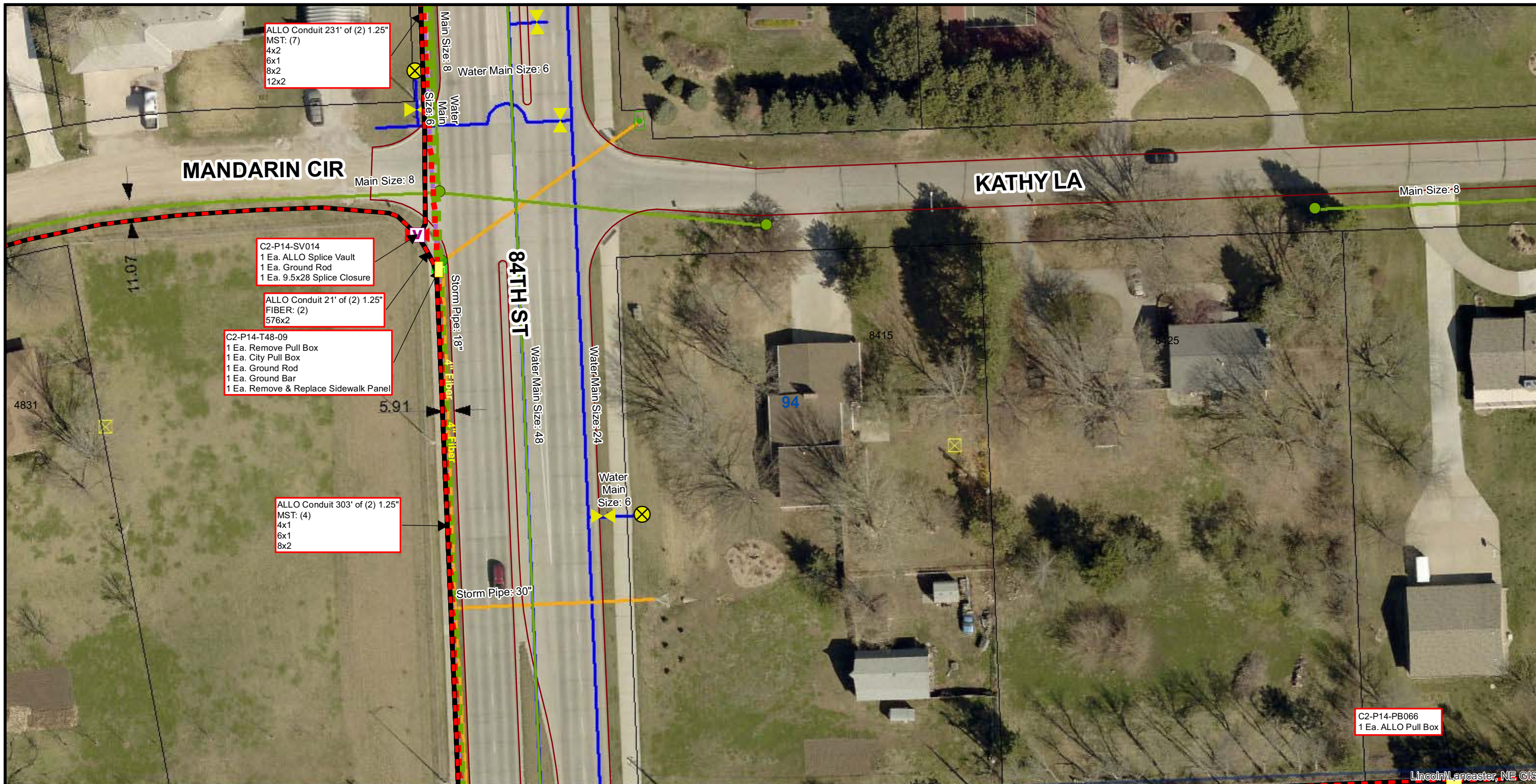
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IY116	93RD CIR 2-14-089	IY118
IZ116	2-14-093	IZ118
2-14-097	JA117	JA118



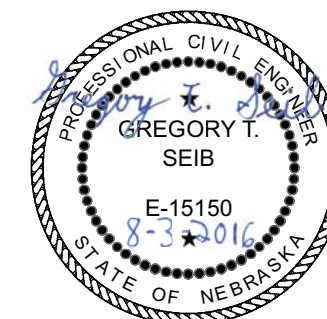


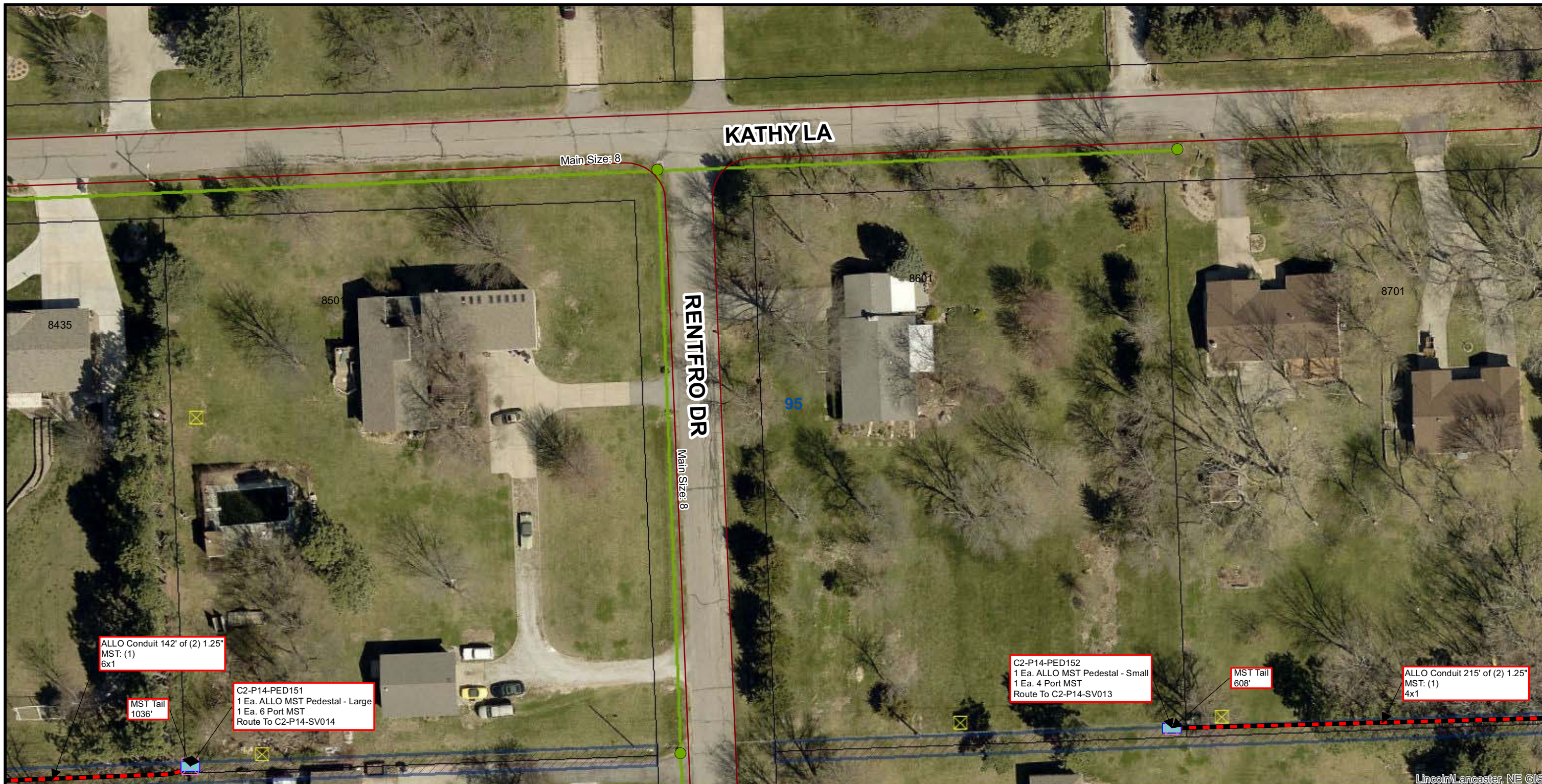
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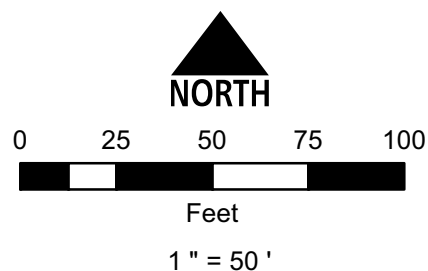
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2-16-042	2-14-090	2-14-091
MANDARIN CIR 2-16-052	KATHY LA 2-14-094	2-14-095
NOT USED	84TH ST 2-14-098	JB114





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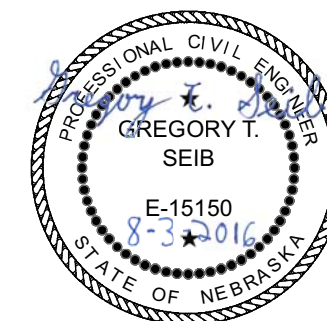
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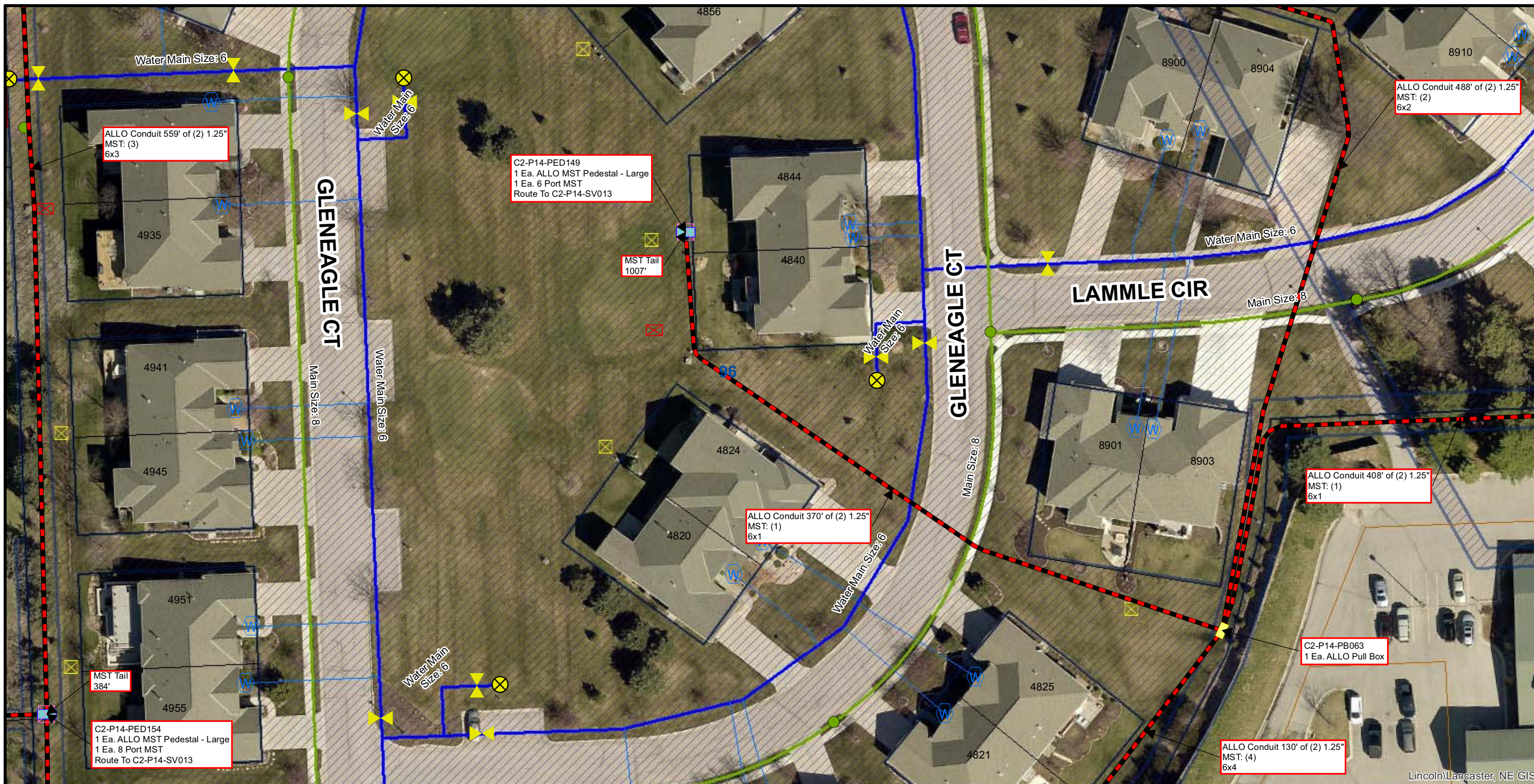
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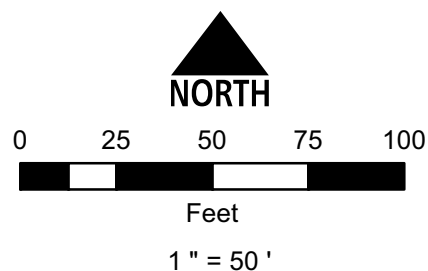
2-14-090	2-14-091	2-14-092
2-14-094	2-14-095	2-14-096
2-14-098	JB114	2-14-099

KATHY LA
RENTFRO DR
85TH ST





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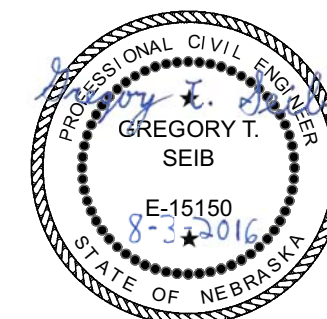


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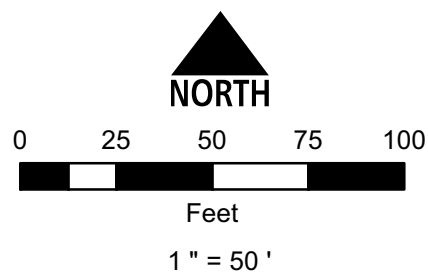
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2-14-091	2-14-092	IZ116
KATHY LA		2-14-097
2-14-095		2-14-096
JB114	2-14-099	JB116





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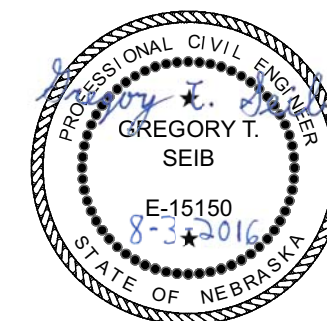


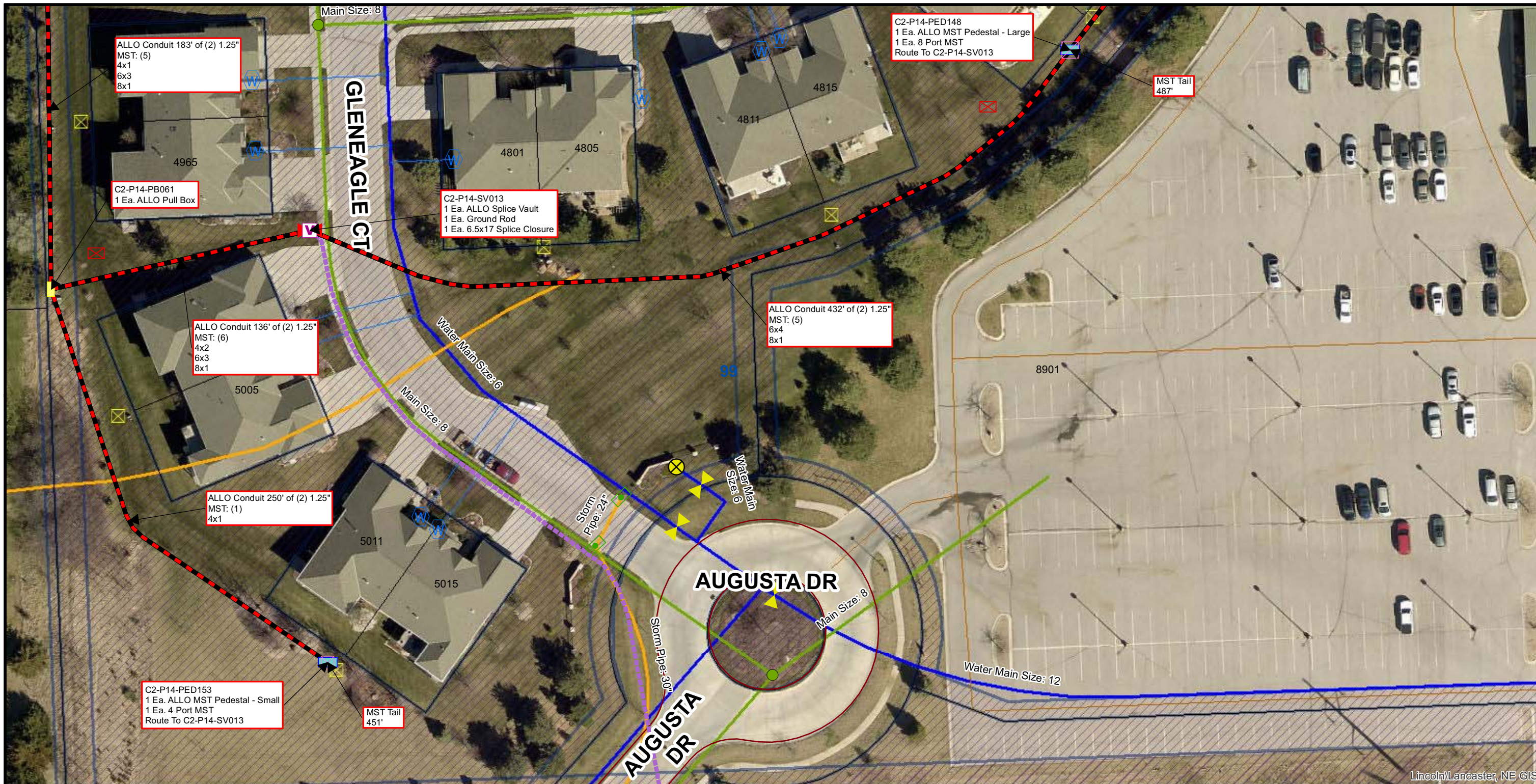
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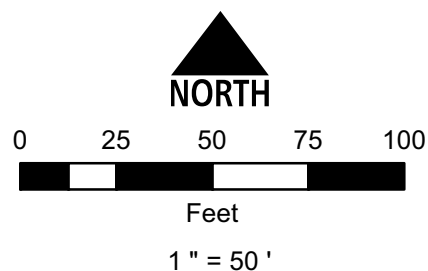
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2-14-092	IZ116	2-14-093
2-14-096	2-14-097	JA117
2-14-099	JB116	JB117





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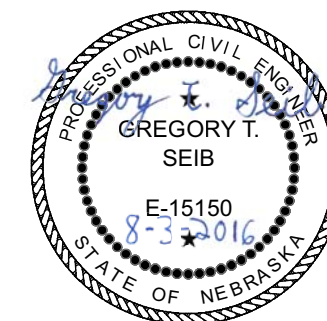


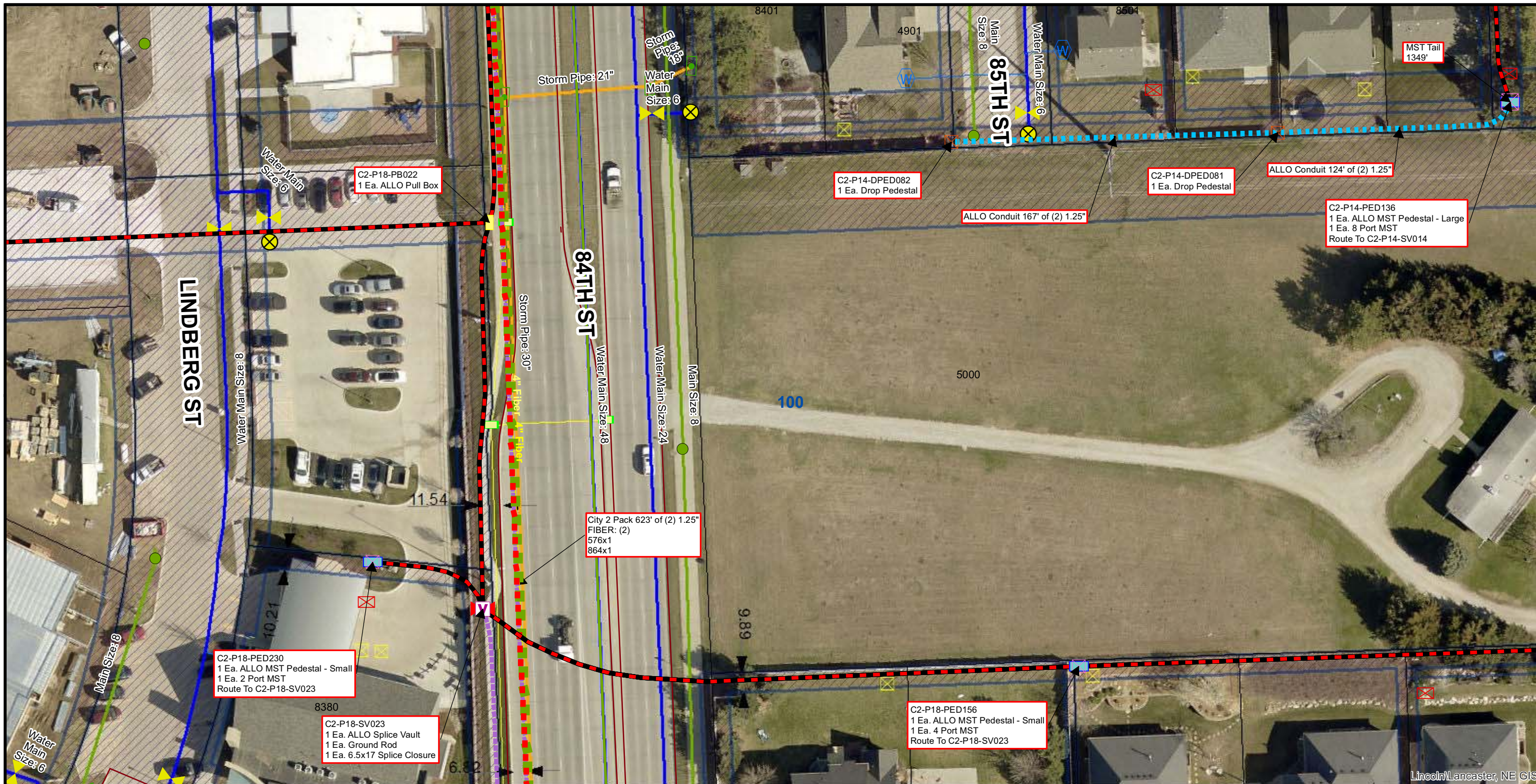
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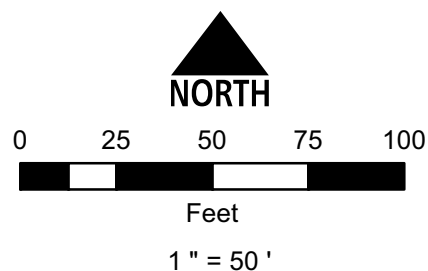
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2-14-095	GLENEAGLE CT	2-14-096	2-14-097
JB114	AUGUSTA DR	2-14-099	JB116
2-18-009	AUGUSTA DR	2-18-010	2-18-011





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