

CONSTRUCTION NOTES

Obtain Construction Plans from Designer prior to starting job.

Coordinate with Contractor / Engineering Firm for exact locations of proposed structures and facilities prior to installation of gas facilities.

Install new main as shown or as directed in field at time of installation. Contact Engineering for approval of field generated changes.

Long side mains and services to be installed below proposed sub-cuts (See Construction Plans).

All test points should be installed in the boulevard or other acceptable locations and avoid placement in driving lanes.

Verify Coating test results if required prior to abandoning main.

CONSTRUCTION PROCEDURES

Install: Clean and Test; and Put in Service; Proposed new main per CenterPoint Energy Construction and Services Manual.

Procedure for tapping or making tie-ins to existing gas mains: Verify existing gas main size, type, and location prior to tapping or making tie-in. Monitor and verify, using a pressure gauge, existing gas main Pressure Class within the bell hole of tap location or tie-in location prior to tapping or making tie-in.

Purge new main until essentially 100% reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Service Manual Section CS-B-1.230 for purging mains into service.

Complete all Service / Meter Work as directed. (See Service Survey)

See Abandonment Procedures for abandonment and purging procedures.

Install a marker ball at a new end of main, at a valve, at each end of a horizontal offset, at road crossings and at any fitting or pressure control identified as needing to be located in the future. Refer to CenterPoint Energy Construction and Service Manual section CS-B-1.310 for installation procedures.

ABANDONMENT PROCEDURES

See Construction Procedures for installation of mains and services prior to abandonments.

- The project includes work on one-way feed mains.
- Ensure all proposed main is in service, all taps are completed
- And all services have been transferred to new main prior to abandonments.

Cut and abandon existing main as shown. Purge abandoned mains until essentially 0% gas reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Services Manual Section CS-B-1.110 and Section CS-B-1.230 for purging mains out of service using air movers.

Cross Compression may be used to lower pressure in line prior to venting trapped gas and purging line out of service.

Warning - cross compression into a one-way feed system requires Engineering approval. Trapped gas to be transferred to CL-6 (55) PSIG system. Do not exceed 55 PSIG on the outlet side of the Cross Compression unit. Monitor using digital gauge on outlet side of unit.

Contact Area C&M Personnel prior to starting job to review Cross Compression process and to arrange field support.

For typical connection of Cross Compression: Plastic Mains: Use a 1-1/4" PE Service Tee with a temp. 1-1/4" anodeless riser with valve Steel Mains: Use a 2" TOR Drill Nipple.

Contact Engineering with questions.

NOTE: BORE ALL PAVED STREETS AND DRIVEWAYS Minimum depth requirements for crossings of state highways and county roads is 60". Minimum depth requirements for crossings of city streets and township roads is 48". Minimum depth for parallel installations on state highways and county roads is 36". Minimum depth for parallel installations on city streets and township roads is 30". All steel pipe welds to be coated with 2 part epoxy.

When butt fusing to existing in-service polyethylene, visually inspect for the presence of hydrocarbon permeation immediately after removing fusion iron. If any bubbling is identified on the heated surface, do not join to new PE pipe. Allow to cool and cut this end off (12" length) and send to the Golden Valley Lab with street location and W.O.#. Complete tie-in/extension using an electrofusion coupling(s).

Document in field notes.

Pipe > 4-inches Diameter (Unregulated PCB area): Pipe being removed must be tested for PCBs and asbestos to confirm disposal requirements - contact Environmental, 612-861-8471. For pipe to be abandoned, refer to CNP Construction and Service Manual CS-B-1.110, CS-B-1.330, and CS-B-1.100.

AA/PE Pipe Sample

For AA/PE pipe installed from 1968 to 1973 collect a two foot long pipe sample, document Main Auth and sample location then deliver to Golden Valley Lab.

CP TEST POINT WITH ANODE AND PLASTIC PIPE LOCATING STATION ROADWAY INSTALLATION

LOCATING/TRACER WIRE - PIPES

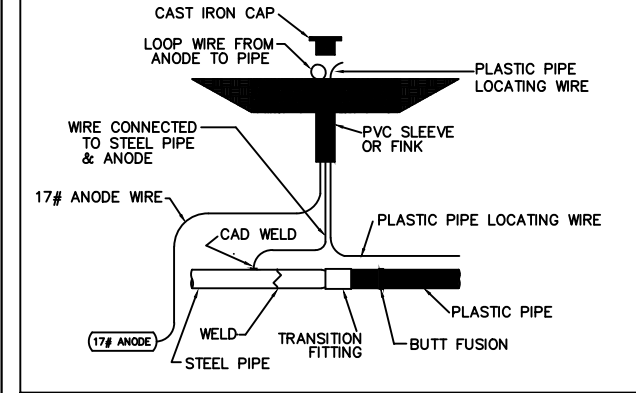
Solid 12 thin copper tracer wire shall be buried with all plastic pipes.

NOTE: Wherever tracer wires are joined together or connected to plastic pipes or services, the connections shall be coated with malleable sealant/tape.

Tracer wire shall also be terminated with plastic pipes when inserting inside

When steel pipes and plastic pipe are joined together, the tracer wire will be terminated in a cast box as shown in the drawing below. A separate 12 thin copper wire will be connected to the steel pipe and also terminated in the same test box with the tracer wire.

- NOTE: 1. install roadway cap at final grade.
- 2. Allow a minimum of 10" of sock in test wires.



EXISTING: 3" TR 90 ELL (65441438)
32" SCL 101 AVE N
162" ECL ZACHARY LN N

FOLLOW GFIP 255-2024 FOR PROCEDURE

REMOVE EXISTING 3" TR 90 ELL

INSTALL: 4X3 PE REDUCER
6X4 PE REDUCER
EXTEND: 6" PE CL-6 EAST

CUT & ABANDON: 3" TR CL-6 NORTH
USE: 3" PE CAP

EXISTING: 1 1/2" AA CL-6 (M1921978)
19" ECL YORKTOWN LN N

INSTALL: 1 1/2" X 1 1/2" PE SERVICE TEE
@ MIN. 5" SSL 101 AVE N
2X 1/2" PE REDUCER
EXTEND: 2" PE CL-6 EAST

2" PE 90 ELL
@ MIN. 5" WEL YORKTOWN LN N
EXTEND: 2" PE CL-6 NORTH

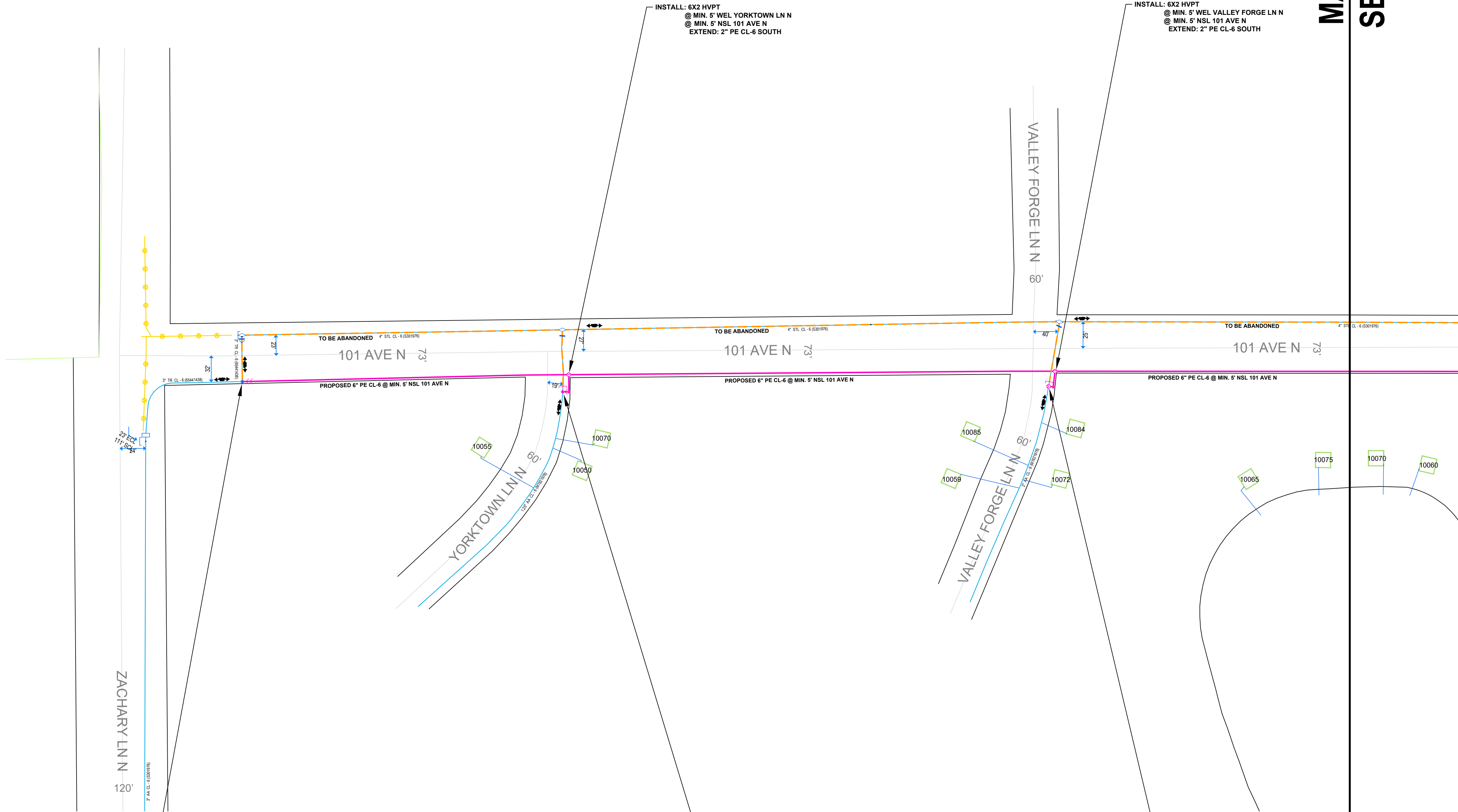
CUT & ABANDON: 1 1/2" AA CL-6 NORTH
USE: 1 1/2" PE CAP

EXISTING: 2" AA CL-6 (M1921978)
20" ECL VALLEY FORGE LN N

INSTALL: 2X2 HVPT
@ MIN. 5" SSL 101 AVE N
EXTEND: 2" PE CL-6 EAST

2" PE 90 ELL
@ MIN. 5" WEL VALLEY FORGE LN N
EXTEND: 2" PE CL-6 NORTH

CUT & ABANDON: 2" AA CL-6 NORTH
USE: 2" PE CAP



PROPRIETARY AND CONFIDENTIAL

PROJECT #: 110766349

CITY: MAPLE GROVE

COUNTY: HENNEPIN

LEGEND:

—	IN SERVICE
- - -	PROPOSED
· · ·	PROPOSED ABANDONED
○	ABANDONED
○	NOT A PART OF PROJECT SEE NOTES

Pipe Summary

176'	2" PE Class 6
176'	3" PE Class 6
95'	4" PE Class 6
5026'	6" PE Class 6
5473'	TOTAL PIPE

Proposed Abandoned Pipe

36'	1-1/4" STL Class 6
32'	2" PE Class 6
18'	2" STL Class 6
12'	3" STL Class 6
45'	4" PE Class 6
2143'	4" STL Class 6
38'	6" PE Class 6
151'	GENERIC PLASTIC OTHER MAN - 1 1/4" Class 6
74'	GENERIC PLASTIC OTHER MAN - 2" Class 6
208'	GENERIC PLASTIC OTHER MAN - 3" Class 6
5'	GENERIC PLASTIC OTHER MAN - 4" Class 6
5683'	TOTAL PIPE

COPIES:

- PIPELINE INTEGRITY PACKET: N
- STATION MANAGER: N
- DD NUMBER: N/A
- CORROSION: PATRICK CARLSON
- EMP: N
- SITE CONTACT: N/A
- SURVEYOR REQUIRED? N
- RETURN PACKET TO ENG? N
- JOB BRIEFING REQUIRED? N
- GFIP #: 255-2024
- PERMITS: CITY OF MAPLE GROVE

PROJECT DESCRIPTION: SREL
101 AVE N

DESIGNER: KEVIN SCOTT
PHONE#: 612-321-5508
DRAWN BY: KEVIN SCOTT
DESIGN DATE: 03/28/2024

REVISION INFO:

MAIN	SCALE: 1" = 80'
SS#: #	SHEET 1 OF 3

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature: _____

Typed or Printed Name: _____

Date: _____ License Number: _____

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	PROPOSED ABANDONED
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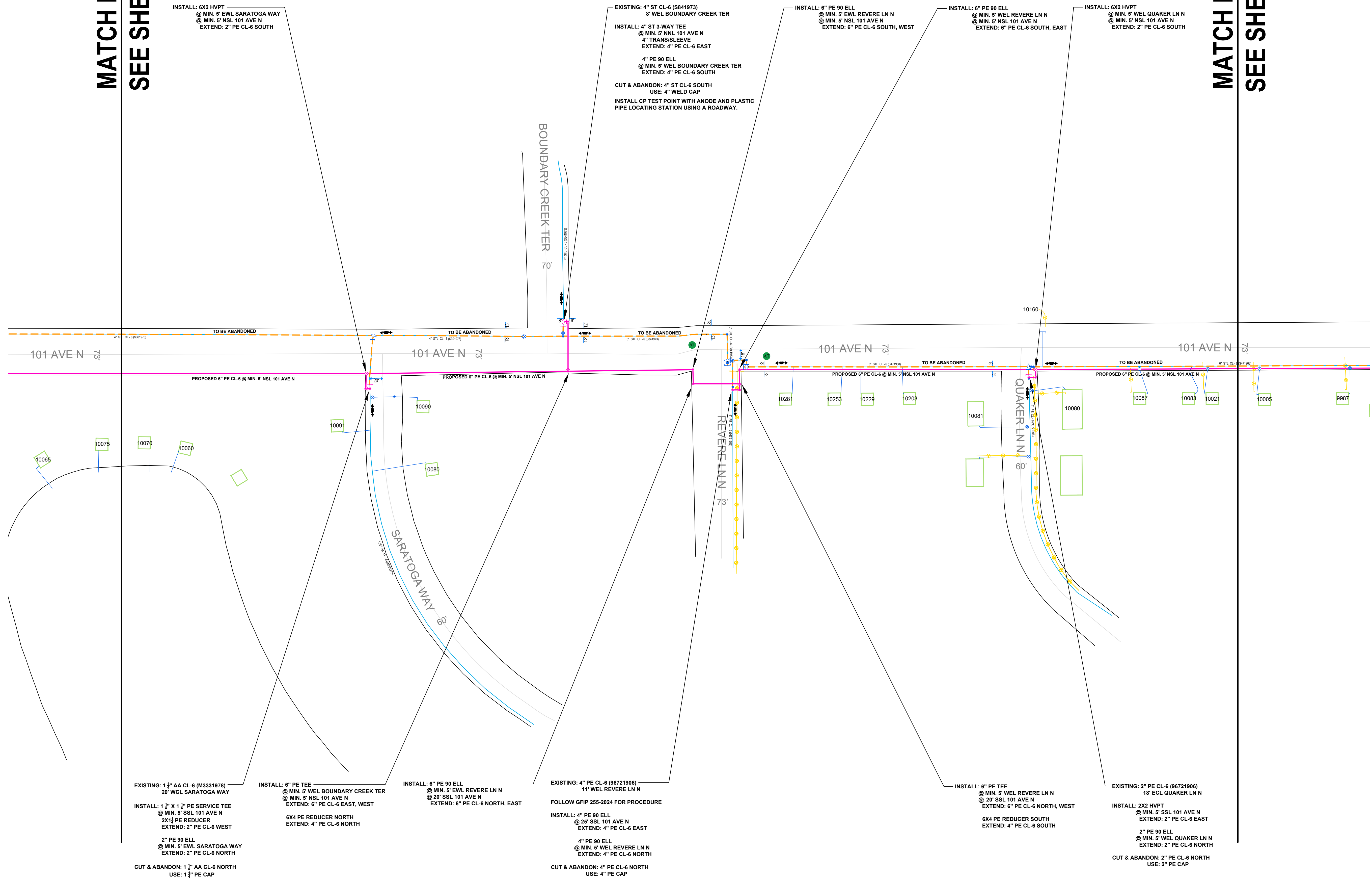
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Typed or Printed Name: _____

Date: _____ License Number: _____

MATCH LINE
SEE SHEET 1

MATCH LINE
SEE SHEET 3



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---	PROPOSED
---	PROPOSED ABANDONED
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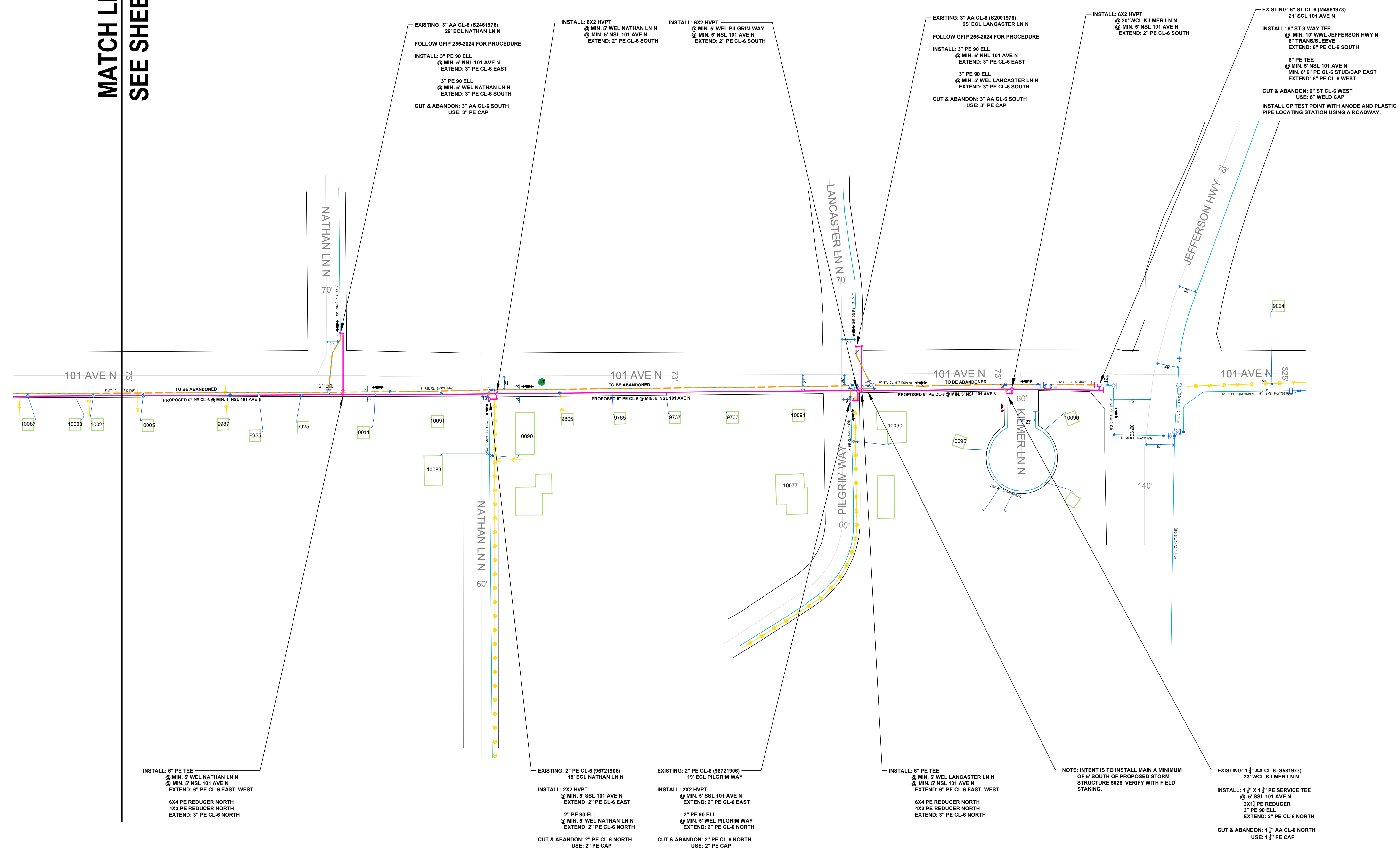
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MATCH LINE
SEE SHEET 2



INSTALL: 6" PE TEE
 @ MIN. 5' WEL NATHAN LN N
 @ MIN. 5' NSL 101 AVE N
 EXTEND: 6" PE CL-6 EAST, WEST
 6X4 PE REDUCER NORTH
 4X3 PE REDUCER NORTH
 EXTEND: 3" PE CL-6 NORTH

EXISTING: 2" PE CL-6 (96721906)
 18' ECL NATHAN LN N
 INSTALL: 2X2 HVPT
 @ MIN. 5' SSL 101 AVE N
 EXTEND: 2" PE CL-6 EAST
 2" PE 90 ELL
 @ MIN. 5' WEL NATHAN LN N
 EXTEND: 2" PE CL-6 NORTH
 CUT & ABANDON: 2" PE CL-6 NORTH
 USE: 2" PE CAP

EXISTING: 2" PE CL-6 (96721906)
 19' ECL PILGRIM WAY
 INSTALL: 2X2 HVPT
 @ MIN. 5' SSL 101 AVE N
 EXTEND: 2" PE CL-6 EAST
 2" PE 90 ELL
 @ MIN. 5' WEL PILGRIM WAY
 EXTEND: 2" PE CL-6 NORTH
 CUT & ABANDON: 2" PE CL-6 NORTH
 USE: 2" PE CAP

INSTALL: 6" PE TEE
 @ MIN. 5' WEL LANCASTER LN N
 @ MIN. 5' NSL 101 AVE N
 EXTEND: 6" PE CL-6 EAST, WEST
 6X4 PE REDUCER NORTH
 4X3 PE REDUCER NORTH
 EXTEND: 3" PE CL-6 NORTH

NOTE: INTENT IS TO INSTALL MAIN A MINIMUM
 OF 5' SOUTH OF PROPOSED STORM
 STRUCTURE 5026. VERIFY WITH FIELD
 STAKING.

EXISTING: 1 1/2" AA CL-6 (S581977)
 23' WCL KILMER LN N
 INSTALL: 1 1/2" X 1 1/2" PE SERVICE TEE
 @ 5' SSL 101 AVE N
 2X1 1/2" PE REDUCER
 2" PE 90 ELL
 EXTEND: 2" PE CL-6 NORTH
 CUT & ABANDON: 1 1/2" AA CL-6 NORTH
 USE: 1 1/2" PE CAP

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