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 ell 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.

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 Service Manual Section CS-B-1.110 and Section CS-B-1.230 for purging mains out of service using air movers.

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.

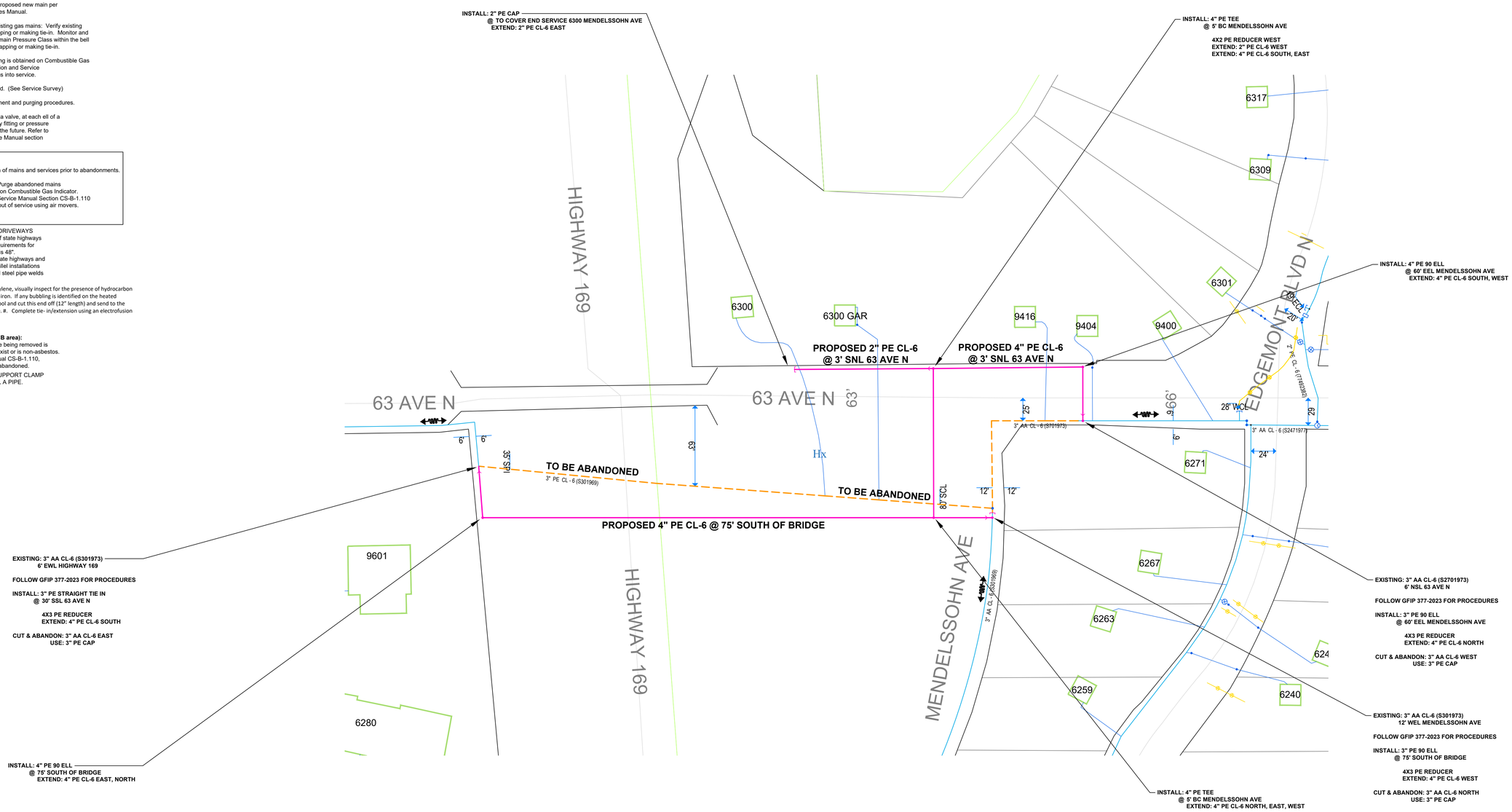
When butt fusing to existing in-service polyethylene, visually inspect for the presence of hydrocarbon permeation immediately after removing fusion iron. If any bubbling is identified on the heated surface, do not join to new PE pipe. Allow to cool and cut this end off (12" length) and send to the Golden 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):
Project area cleared for internal impacts. Pipe being removed is unregulated for disposal if coating does not exist or is non-asbestos. Refer to CNP Construction and Service Manual CS-B-1.110, CS-B-1.330, and CS-B-1.100, for pipe to be abandoned.

INSTALL REINFORCING SQUEEZE OFF SUPPORT CLAMP ON ALL SQUEEZE OFF POINTS ON ALDYL A PIPE.

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.



CenterPoint. Energy

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PROPRIETARY AND CONFIDENTIAL

PROJECT #: 109168339

CITY: MAPLE GROVE

COUNTY: HENNEPIN

LEGEND:
- IN SERVICE
- PROPOSED
- PROPOSED ABANDONED
- ABANDONED

Pipe Summary

128'	2" PE Class 6
868'	4" PE Class 6
996'	TOTAL PIPE

Proposed Abandoned Pipe

498'	3" PE Class 6
168'	GENERIC PLASTIC OTHER MAIN - 3" Class 6
666'	TOTAL PIPE

COPIES:
PIPELINE INTEGRITY PACKET: N
STATION MANAGER: N
DID NUMBER: N/A
CORROSION: PATRICK CARLSON
EMP: N

SITE CONTACT: N/A

SURVEYOR REQUIRED? N

RETURN PACKET TO ENG? N

JOB BRIEFING REQUIRED? Y

GFIP #: 377-2023

PERMITS: BROOKLYN PARK
MAPLE GROVE
MNDOT

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: _____

PROJECT DESCRIPTION: SREL TH 169

DESIGNER: KEVIN SCOTT
PHONE#: 612-321-5508
DRAWN BY: KEVIN SCOTT
DESIGN DATE: 09/25/2023

REVISION INFO:

MAIN
SS#: #

SCALE: 1":50'
SHEET 1 OF 1

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