

CONSTRUCTION NOTES

Install new main as shown or as directed in field at time of installation.

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.

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".

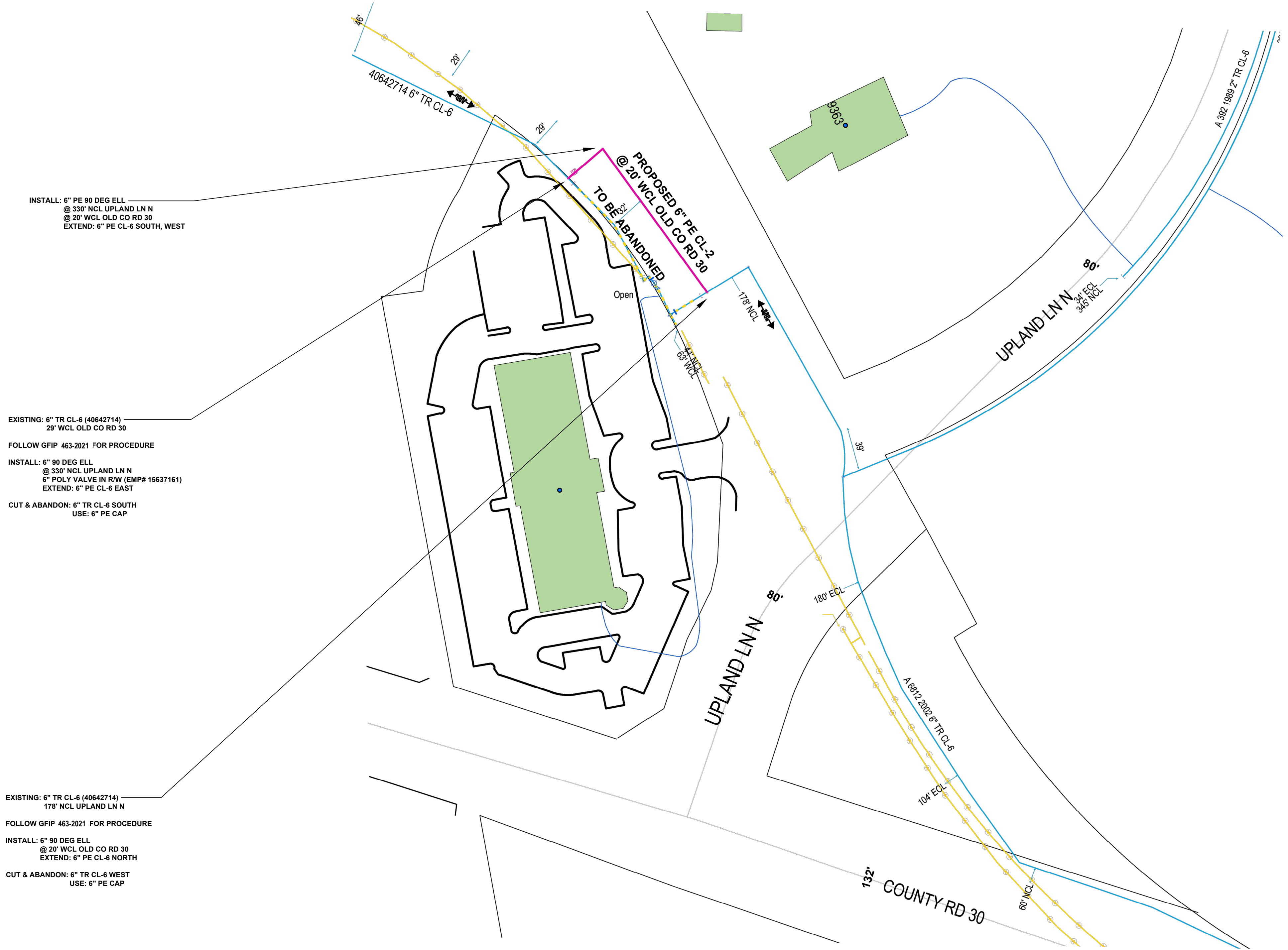
Minimum depth for parallel installations on state highways and county roads is 36". Minimum depth for parallel installations on city streets and township roads is 30". All steel pipe welds to be coated with 2 part epoxy.

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):

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.



INSTALL: 6" PE 90 DEG ELL @ 330' NCL UPLAND LN N @ 20' WCL OLD CO RD 30 EXTEND: 6" PE CL-6 SOUTH, WEST

EXISTING: 6" TR CL-6 (40642714) 29' WCL OLD CO RD 30 FOLLOW GFIP 463-2021 FOR PROCEDURE

INSTALL: 6" 90 DEG ELL @ 330' NCL UPLAND LN N 6" POLY VALVE IN RW (EMP# 15637161) EXTEND: 6" PE CL-6 EAST

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

EXISTING: 6" TR CL-6 (40642714) 178' NCL UPLAND LN N FOLLOW GFIP 463-2021 FOR PROCEDURE

INSTALL: 6" 90 DEG ELL @ 20' WCL OLD CO RD 30 EXTEND: 6" PE CL-6 NORTH

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



MINNESOTA REGION PROPRIETARY AND CONFIDENTIAL

PROJECT #: 99622232

M52900 MAPLE GROVE

ONE CALL: Hennepin \*SE8 T119/R22 \*SW9 T119/R22 \* = this Page

LEGEND: ACTIVE MAIN, DESIGNED MAIN, PROPOSED ABANDONED/OUT OF SERVICE MAIN, ABANDONED, OUT OF SERVICE MAIN

PIPE REQUIRED: 209' 6" PE CL-6, 209' PIPE

PROPOSED ABANDONED PIPE: 117' 6" TR CL-6, 25' 6" STL CL-6, 142' PIPE

COPIES: PIPELINE INTEGRITY PACKET: N, STATION MANAGER: N, DD NUMBER: N/A, CORROSION: PATRICK CARLSON, EMP: Y

FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? Y

SURVEYOR REQUIRED? N

RETURN PACKET TO ENG? N

GFIP #: 463-2021

PERMITS: CITY OF MAPLE GROVE

PROJECT DESCRIPTION: SREP UPLAND LN N

DESIGNER: Kevin Scott, PHONE #: 612-321-5508, DRAWN BY: Kevin Scott, DESIGN DATE: 8/30/2021

REVISION INFO:

Table with 2 columns: Main, S&S and 2 columns: SCALE 1"=60', SHEET 1 OF 1

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: Daniel G. Christensen, Typed or Printed Name: DANIEL G. CHRISTENSEN, Date: 09/14/2021, License Number: 46588