

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.

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.

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: *Kyle Brown*
 Typed or Printed Name: Kyle Brown
 Date: 10/28/2021 License Number: 57268

INSTALL LOCATING POINTS AT A MAXIMUM SPACING OF 1,000 FT.

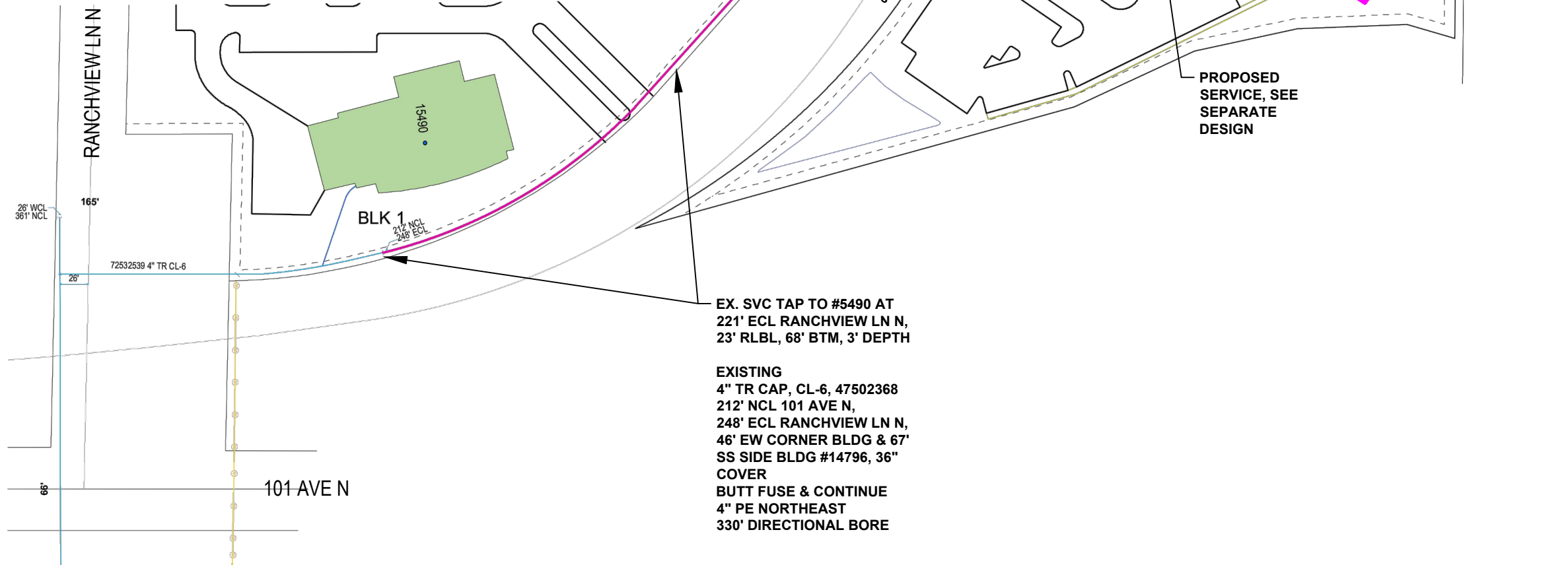
INSTALL 4" PE CL-6 MAIN IN 10' UTILITY EASEMENT THAT IS ADJACENT TO PROPERTY LINE

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

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

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.

INSTALL 4" PE CAP TO COVER SERVICE TO #10150



EX. SVC TAP TO #5490 AT
 221' ECL RANCHVIEW LN N,
 23' RLBL, 68' BTM, 3' DEPTH

EXISTING
 4" TR CAP, CL-6, 47502368
 212' NCL 101 AVE N,
 248' ECL RANCHVIEW LN N,
 46' EW CORNER BLDG & 67'
 SS SIDE BLDG #14796, 36"
 COVER
 BUTT FUSE & CONTINUE
 4" PE NORTHEAST
 330' DIRECTIONAL BORE



MINNESOTA REGION
 PROPRIETARY AND CONFIDENTIAL

PROJECT #: 100354830

M52900 MAPLE GROVE

ONE CALL:
 Hennepin
 *SW4 T119/R22
 *NW9 T119/R22
 *SE4 T119/R22
 *= this Page

LEGEND: 4" PVC CONDUIT
 — ACTIVE MAIN
 — DESIGNED MAIN
 - - - PROPOSED ABANDONED/
 OUT OF SERVICE MAIN
 (A) ABANDONED/
 OUT OF SERVICE MAIN

PIPE REQUIRED:
 750' 4" PE CL-6

 750' PIPE

PROPOSED ABANDONED PIPE:

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N
 CORROSION: N
 EMP: N
 SITE CONTACT: PATRICK FINN
 612-202-8384
 FOLLOW INTERNAL PIPE
 SAMPLING REQUIREMENTS? N
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 GFIP#: N/A
 PERMITS: MAPLE GROVE
 SalesRep GRANT DHEIN

PROJECT DESCRIPTION: NBCO
 MAPLE GROVE MOB

DESIGNER: Marcia Kolstad
 PHONE #: 612-321-5482
 DRAWN BY: Marcia Kolstad
 DESIGN DATE: 10/27/2021

REVISION INFO:

Main SS# SCALE 1" : 120'
 SHEET 1 OF 1

10/27/2021 10:40:47 AM DESIGNER EXPRESS DESIGN

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.