

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.

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

INSTALL 2" PE CL-6  
 JOINT TRENCH ~ DUAL MAIN ~ IN 10' UTILITY EASEMENT

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.

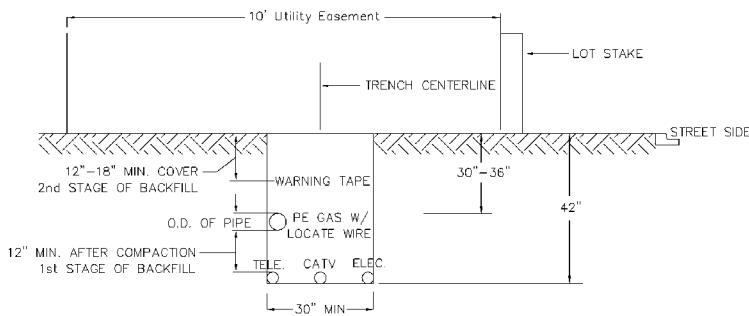
Install a marker ball at a new end of main, at a valve, at each ell of a horizontal offset, at road crossings and at any fitting or pressure control identified as needing to be located in the future. Refer to CenterPoint Energy Construction and Service Manual section CS-B-1.310 for installation procedures.

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.

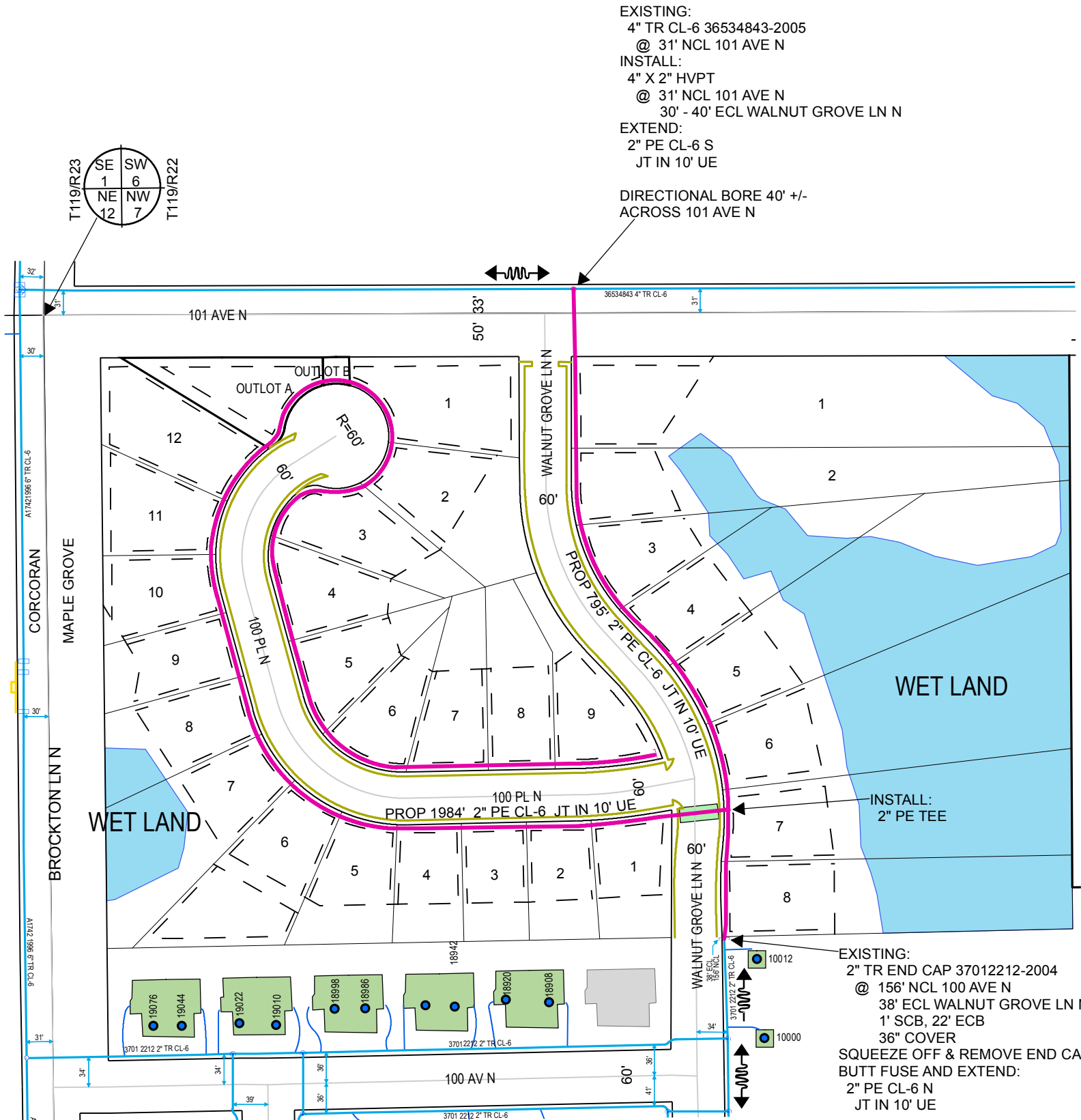
Signature: \_\_\_\_\_

Typed or Printed Name: Daniel G. Christensen

Date: \_\_\_\_\_ License Number: 46588



DUAL MAIN IN UTILITY EASEMENT



EXISTING:  
 4" TR CL-6 36534843-2005  
 @ 31' NCL 101 AVE N  
 INSTALL:  
 4" X 2" HVPT  
 @ 31' NCL 101 AVE N  
 30' - 40' ECL WALNUT GROVE LN N  
 EXTEND:  
 2" PE CL-6 S  
 JT IN 10' UE  
 DIRECTIONAL BORE 40' +/-  
 ACROSS 101 AVE N

EXISTING:  
 2" TR END CAP 37012212-2004  
 @ 156' NCL 100 AVE N  
 38' ECL WALNUT GROVE LN N  
 1' SCB, 22' ECB  
 36" COVER  
 SQUEEZE OFF & REMOVE END CAP  
 BUTT FUSE AND EXTEND:  
 2" PE CL-6 N  
 JT IN 10' UE



MINNESOTA REGION

PROPRIETARY AND CONFIDENTIAL

PROJECT #: 78268957

M52900 MAPLE GROVE Main & Services  
 M55400 CORCORAN

ONE CALL:  
 Hennepin  
 \*NE12 T119/R23  
 \*NW7 T119/R22  
 \*SW6 T119/R22  
 \*SE1 T119/R23  
 \* = this Page

- LEGEND:
- ACTIVE MAIN
  - DESIGNED MAIN
  - - - PROPOSED ABANDONED/  
OUT OF SERVICE MAIN
  - - - ABANDONED/  
OUT OF SERVICE MAIN
  - ⊙ 4" PVC CONDUIT CROSSING  
ONE REQUIRED

PIPE REQUIRED:  
 2779' 2" PE CL-6  
 2779' PIPE  
 PROPOSED ABANDONED PIPE:

COPIES:  
 PIPELINE INTEGRITY PACKET: N  
 GAS VALVE: N  
 DD NUMBER: N  
 CORROSION: N  
 EMP: N

FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? N  
 SURVEYOR REQUIRED? N  
 RETURN PACKET TO ENG? N  
 GFIP#: N  
 PERMITS: MAPLE GROVE  
 (JT PERMIT APPLIED FOR BY XCEL)

PROJECT DESCRIPTION: NBRE  
 ENCLAVE AT DUNLAVIN WOODS

DESIGNER: Wendy Kronwall  
 PHONE #: 612-321-5508  
 DRAWN BY: Wendy Kronwall  
 DESIGN DATE: 6/30/2016

REVISION INFO:

Main  
 SCAN DATE: SCALE 1" : 150'  
 SHEET 1 OF 1

6/30/2016 12:20:46 PM DESIGNER EXPRESS DESIGN