

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.

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

INSTALL 2" PE CL-6
 MINIMUM 10 FEET FROM ALL BUILDINGS
 OUTSIDE OF ALL INDIVIDUAL PROPERTY LINES

C = INSTALL 2" PE CAP TO COVER SERVICE

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: *Casey Tollefson*

Typed or Printed Name: Casey Tollefson

Date: 4/10/17 License Number: 52693

**BUILDING FOOTPRINTS AND PROPERTY LINES
 MUST BE STAKED PRIOR TO INSTALLATION
 WHEN ADJACENT TO THE RUNNING LINE**



MINNESOTA REGION
 PROPRIETARY AND CONFIDENTIAL

PROJECT #: 81695587

M52900 MAPLE GROVE

ONE CALL:
 Hennepin
 *SE7 T119/R22
 * = this Page

LEGEND:
 — ACTIVE MAIN
 — DESIGNED MAIN
 - - - PROPOSED ABANDONED/
 - - - OUT OF SERVICE MAIN
 - - - ABANDONED/
 - - - OUT OF SERVICE MAIN

PIPE REQUIRED:
 1667' 2" PE CL-6
 1667' 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

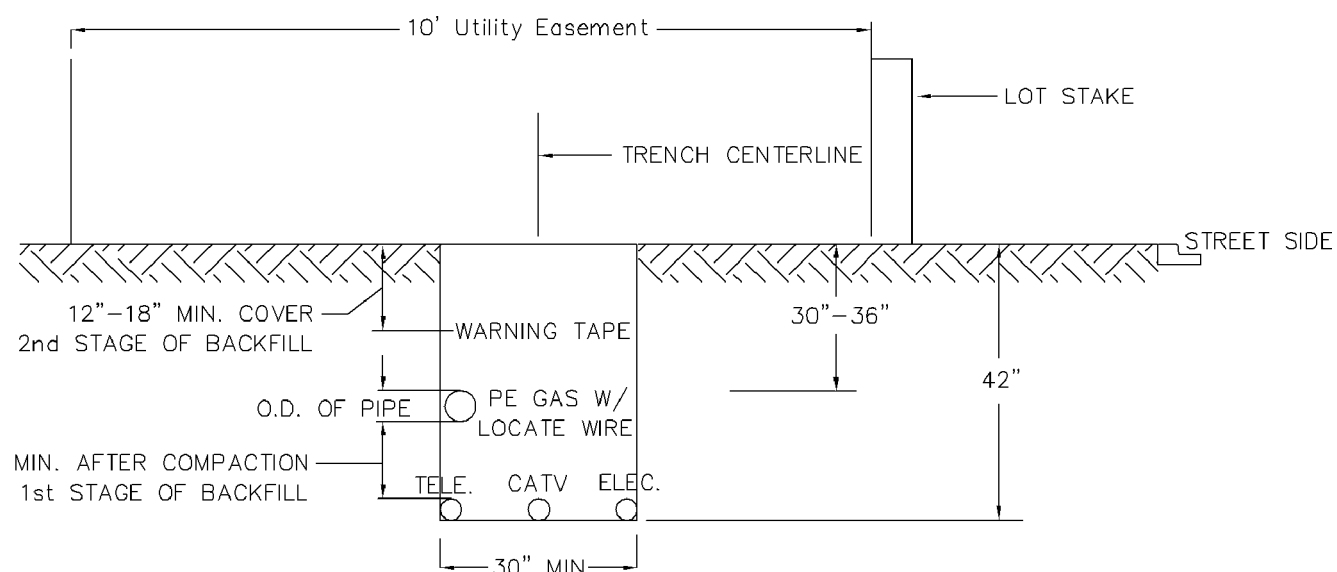
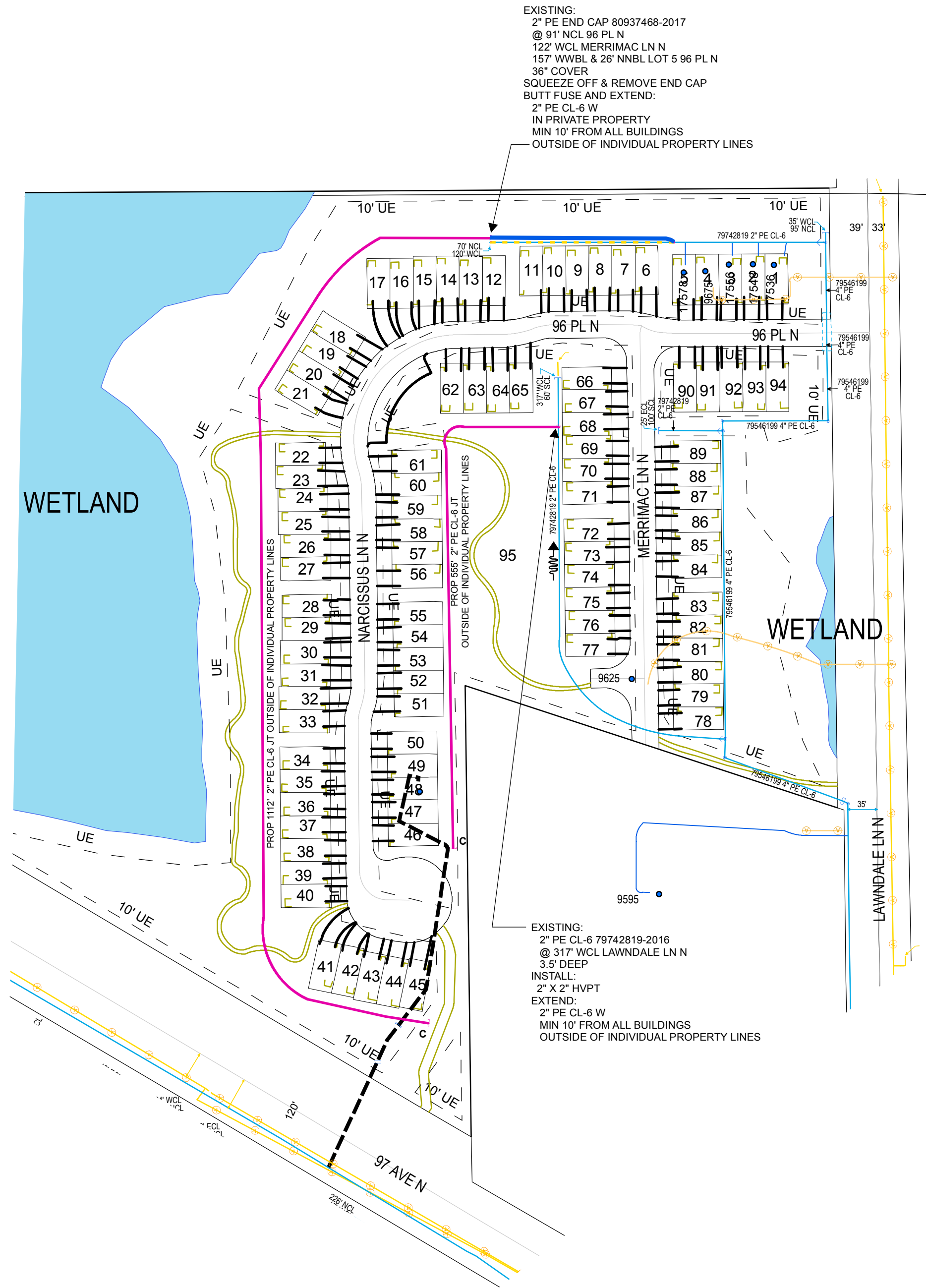
PERMITS: N
 NOTIFIED: MAPLE GROVE

PROJECT DESCRIPTION: NBRE
 CAMBRIDGE PARK 2ND

DESIGNER: Wendy Kronwall
 PHONE #: 612-321-5508
 DRAWN BY: Wendy Kronwall
 DESIGN DATE: 4/5/2017

REVISION INFO:

Main
 SCAN DATE: SCALE 1" = 100'
 SHEET 1 OF 1



DUAL MAIN IN UTILITY EASEMENT

DESIGNER EXPRESS DESIGN

4/6/2017 7:50:05 AM