

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 MAIN 6'-7" BACK OF CURB

T = INSTALL 2" PE TEE
 E = INSTALL 2" PE 90 DEG ELL
 C = INSTALL 2" PE CAP TO COVER SERVICE

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.

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: *THOMAS HAIDER, JR.*
 Typed or Printed Name: THOMAS HAIDER, JR.
 Date: 9/30/19 License Number: 54761



MINNESOTA REGION
 PROPRIETARY AND CONFIDENTIAL

PROJECT #: 91525995
 M52900 MAPLE GROVE
 ONE CALL:
 Hennepin
 *NW30 T119/R22
 *SW30 T119/R22
 * = this Page

LEGEND:
 4" PVC CONDUIT
 ACTIVE MAIN
 DESIGNED MAIN
 PROPOSED ABANDONED/
 OUT OF SERVICE MAIN
 ABANDONED/
 OUT OF SERVICE MAIN

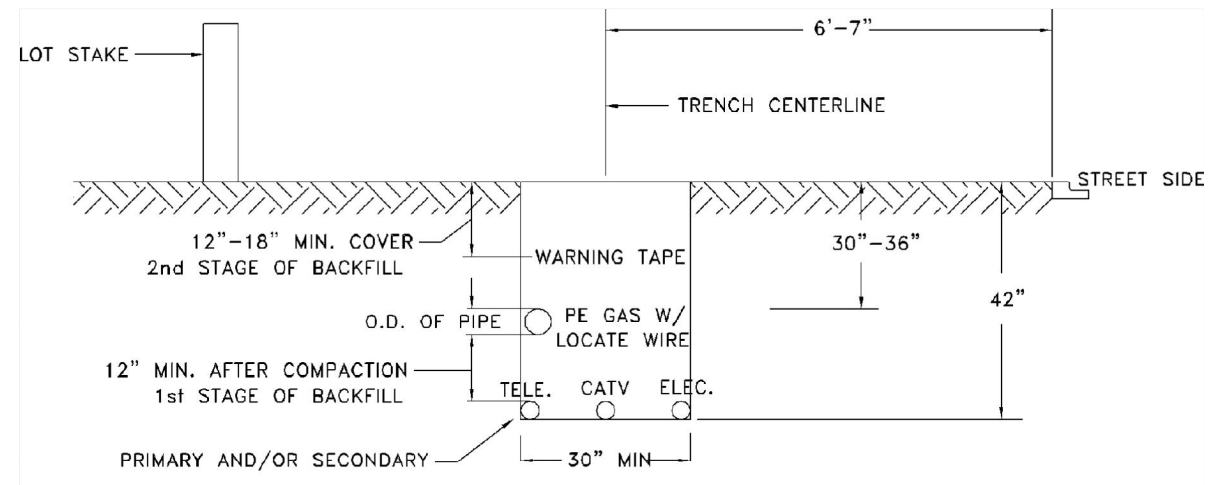
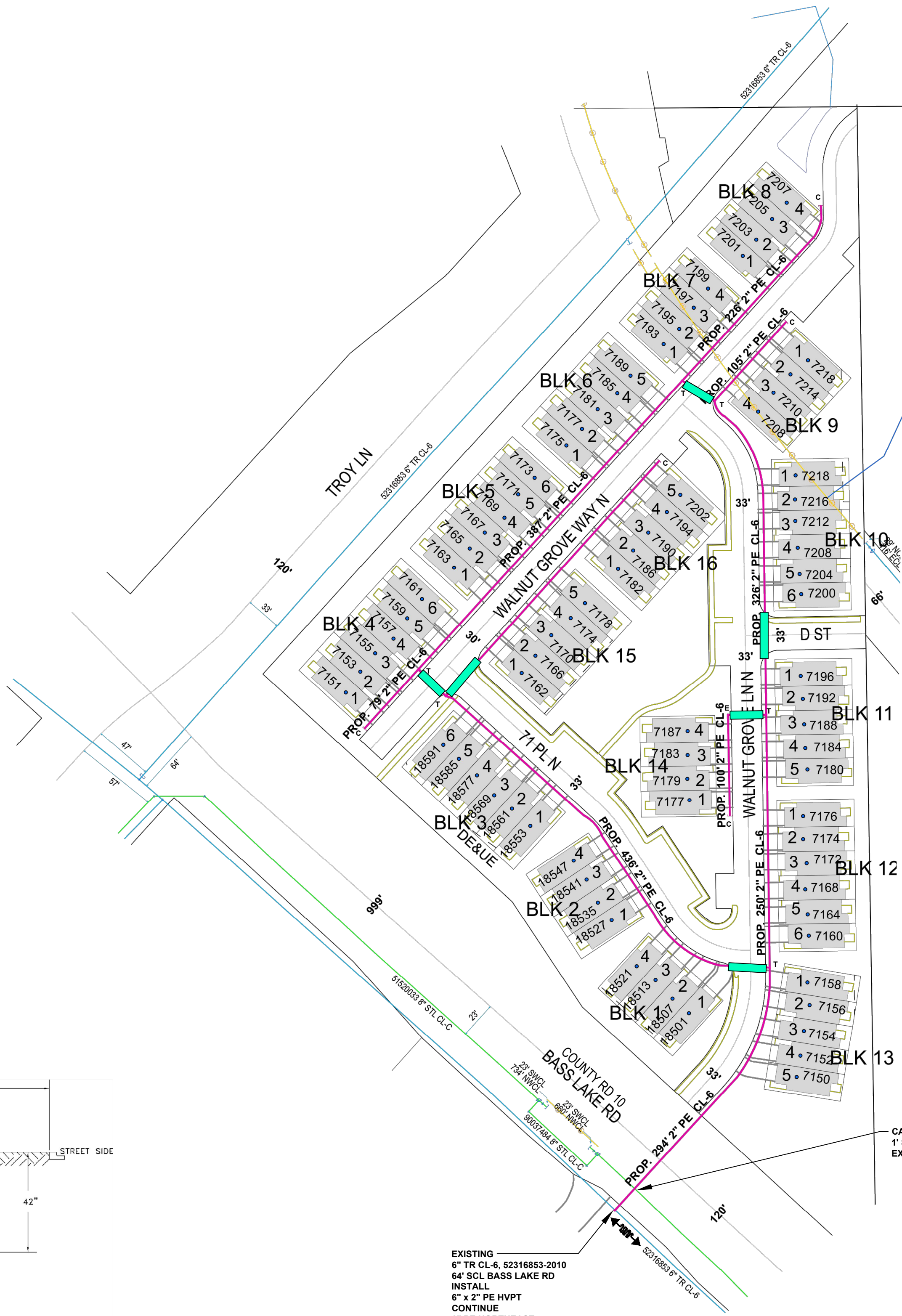
PIPE REQUIRED:
 2631' 2" PE CL-6
 2631' PIPE

PROPOSED ABANDONED PIPE:

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N
 CORROSION: N
 EMP: N

FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? N
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N

GFIP #: N/A
 PERMITS: MAPLE GROVE HENNEPIN COUNTY



EXISTING
 6" TR CL-6, 52316853-2010
 64" SCL BASS LAKE RD
 INSTALL
 6" x 2" PE HVPT
 CONTINUE
 2" PE NORTHEAST

CAUTION - MAINTAIN MINIMUM 1' SEPARATION WHEN CROSSING EXISTING 8" ST CL-C MAIN

Transmission Line within project area. Follow watchdog procedures.
 Transmission Line Watch Dog Process:
 CNP excavation contractor will follow the Transmission Line Watch Dog Process.
 If excavation will happen within 50' of a transmission line the CNP contractor needs to contact CNP dispatch to schedule a Watch Dog. (DISPATCH 612-321-5200)
 Dispatch will create an "inspect contractor" work order for Foreign Construction and set up a time for the crew to be on site.

PROJECT DESCRIPTION: NBRE WINDROSE
 DESIGNER: Marcia Kolstad
 PHONE #: 612-321-5482
 DRAWN BY: Marcia Kolstad
 DESIGN DATE: 9/27/2019

REVISION INFO:
 Main
 SS#
 SCALE 1" = 80'
 SHEET 1 OF 1

9/30/2019 7:40:52 AM DESIGNER EXPRESS DESIGN

DUAL MAIN IN BOULEVARD