

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 39' NCL 96 AVE N

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.

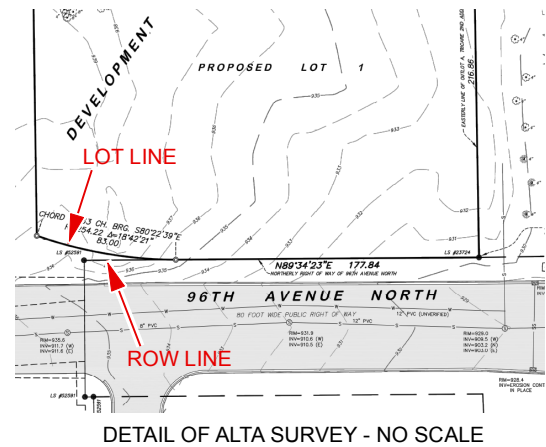
Install a marker ball at a new end of main, at a valve, at each ell of a horizontal offset, at road crossings and at any fitting or pressure control identified as needing to be located in the future. Refer to CenterPoint Energy Construction and Service Manual section CS-B-1.310 for installation procedures.

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*

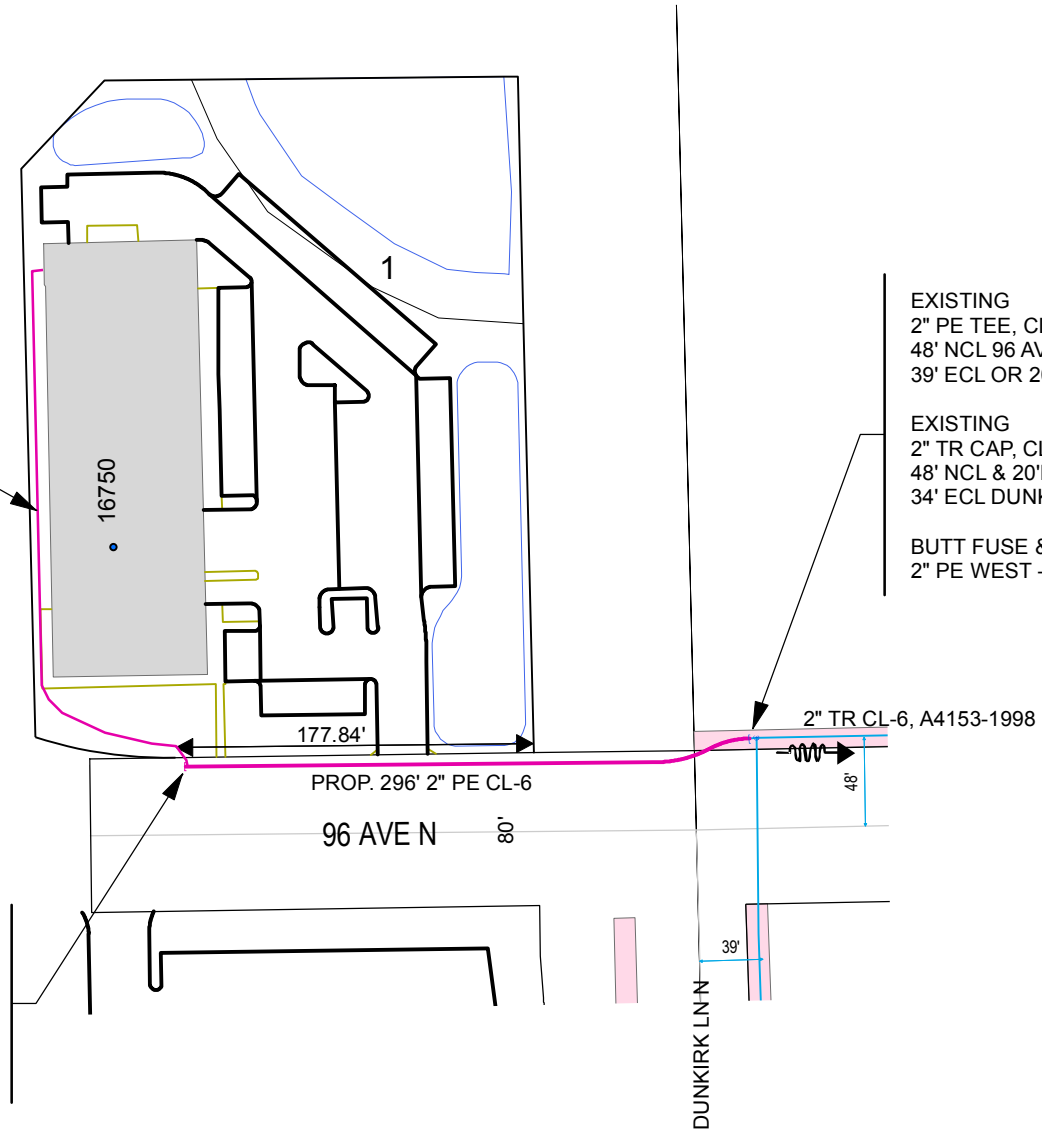
Typed or Printed Name: Casey Tollefson

Date: 11/14/2018 License Number: 52693



PROPOSED SERVICE, SEE SEPARATE DESIGN

INSTALL 2" PE CAP AT APPROX. 170' WEST OF EAST LOT LINE - SAME AS APPROX. 10' WEST OF EAST BLDG LINE TO AVOID INSTALLING SERVICE ON PRIVATE PROPERTY.



EXISTING
 2" PE TEE, CL-6, A4153-1998
 48' NCL 96 AV N
 39' ECL OR 20' NN CURB DUNKIRK LA N

EXISTING
 2" TR CAP, CL-6, A4153-1998
 48' NCL & 20' NN CURB 96 AV N
 34' ECL DUNKIRK LA N

BUTT FUSE & CONTINUE
 2" PE WEST - MOVE INTO ROW



MINNESOTA REGION

PROPRIETARY AND CONFIDENTIAL

PROJECT #: 88179084

M52900 MAPLE GROVE

ONE CALL:
 Hennepin
 *SW8 T119/R22
 *SE8 T119/R22
 * = this Page

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

PIPE REQUIRED:
 296' 2" PE CL-6

 296' 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: CITY OF MAPLE GROVE

PROJECT DESCRIPTION: NBCCO ABRAAUTOBODY

DESIGNER: Marcia Kolstad
 PHONE #: 612-321-5482
 DRAWN BY: Marcia Kolstad
 DESIGN DATE: 11/13/2018

REVISION INFO:

Main SS# SCALE 1" : 100' SHEET 1 OF 1

11/14/2018 12:08:17 PM 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.