

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 4" PE CL-2 MAIN 26' ECL COUNTY RD

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.

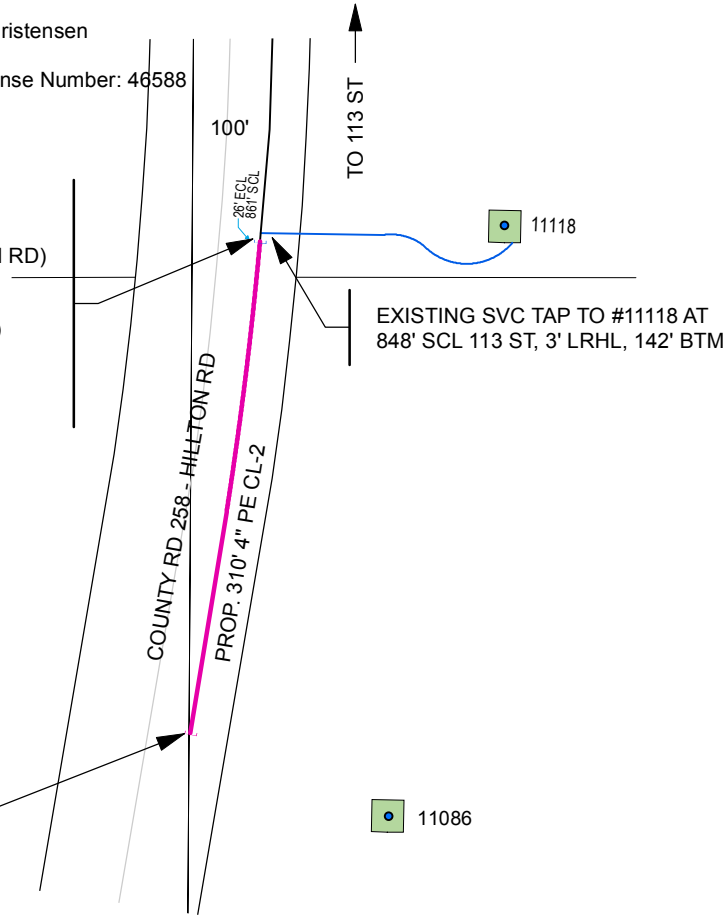
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature: *[Handwritten Signature]*

Typed or Printed Name: Daniel G. Christensen

Date: 07/02/2018 License Number: 46588

EXISTING  
 4" TR CAP, CL-2, 66653198-2014  
 26' ECL COUNTY RD 258 (HILLTON RD)  
 861' SCL 113 ST,  
 13' SSSL & 142' WWHL #11118  
 COUNTY RD 258 (HILLTON RD)  
 10' W & 106' SPP, 36" COVER  
 BUTT FUSE & CONTINUE  
 4" PE SOUTH



INSTALL  
 4" PE CAP  
 TO COVER SERVICE  
 TO #11086

7/2/2018 10:46:02 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.



MINNESOTA REGION

PROJECT #: 86752744

M15700 LITTLE FALLS TOWNSHIP

ONE CALL:  
 Morrison  
 \*NW31 T40/R32  
 \*NE31 T40/R32  
 \* = this Page

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

PIPE REQUIRED:  
 310' 4" PE CL-2  
 310' 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: MORRISON COUNTY

PROJECT DESCRIPTION: NERE  
 11086 HILLTON RD

DESIGNER: Marcia Kolstad  
 PHONE #: 612-321-5482  
 DRAWN BY: Marcia Kolstad  
 DESIGN DATE: 6/27/2018

REVISION INFO:

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