

**CONSTRUCTION NOTES**

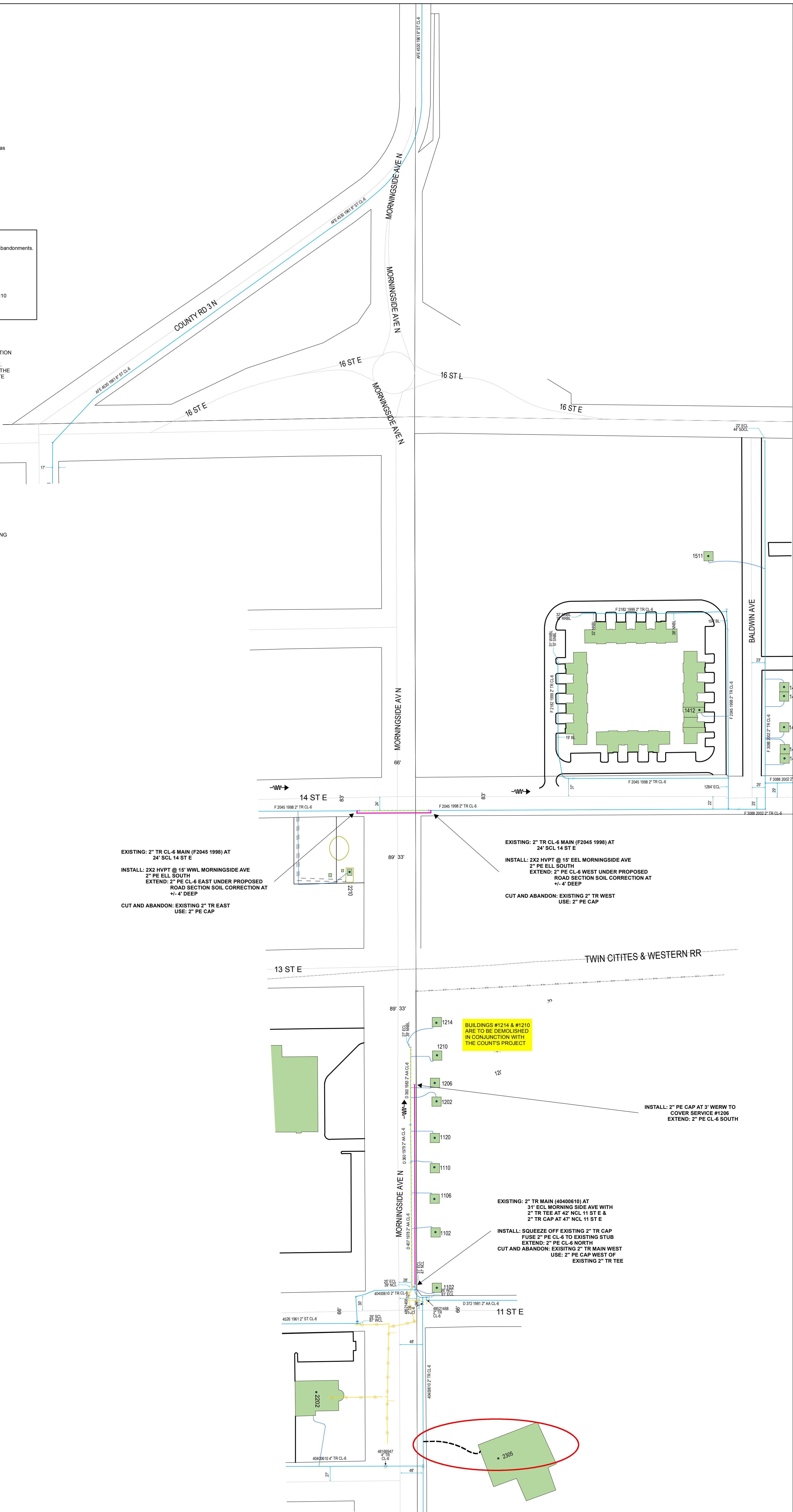
Obtain Construction Plans from Designer prior to starting job.  
 Coordinate with Contractor / Engineering Firm for exact locations of proposed structures and facilities prior to installation of gas facilities.  
 Install new main as shown or as directed in field at time of installation.  
 Long side mains and services to be installed below proposed sub-cuts (See Construction Plans).  
 All test points should be installed in the boulevard or other acceptable locations and avoid placement in driving lanes.  
 Verify Coating test results if required prior to abandoning main.  
**CONSTRUCTION PROCEDURES**  
 Install: Clean and Test; and Put in Service: Proposed new main per CenterPoint Energy Construction and Services Manual.  
 Purge new main until essentially 100% reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Service Manual Section CS-B-1.230 for purging mains into service.  
 Complete all Service / Meter Work as directed. (See Service Survey)  
 See Abandonment Procedures for abandonment and purging procedures.  
 Install a marker ball at a new end of main, at a valve, at each end 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.

**ABANDONMENT PROCEDURES**  
 See Construction Procedures for installation of mains and services prior to abandonments.  
**THIS PROJECT INCLUDES 1-WAY FEED MAINS.**  
 Ensure all proposed main is in services, all taps are completed, and all related service work is completed prior to abandonments.  
 Cut and Abandon existing main as shown. Purge abandoned mains until essentially 0% gas reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Service Manual Section CS-B-1.110 and Section CS-B-1.230 for purging mains out of service using air movers.  
 Contact Engineering with questions.

INSTALL REINFORCING SQUEEZE OFF SUPPORT CLAMP ON ALL SQUEEZE OFF POINTS ON ALDYL A PIPE.  
 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.

Project area cleared for internal impacts. Pipe being removed is unregulated for disposal if coating does not exist or is non-asbestos. Refer to CNP Construction and Service Manual CS-B-1.110, CS-B-1.330, and CS-B-1.100, for pipe to be abandoned.

-  REPLACE SERVICE LINE
-  REPAIR CAPS ONLY
-  CUT & ABANDON CURB SERVICE
-  INSTALL WELD COVER SLEEVE OVER COUPLING



EXISTING: 2" TR CL-6 MAIN (F2045 1998) AT 24' SCL 14 ST E  
 INSTALL: 2X2 HVPT @ 15' WWL MORNINGSIDE AVE 2" PE ELL SOUTH  
 EXTEND: 2" PE CL-6 EAST UNDER PROPOSED ROAD SECTION SOIL CORRECTION AT +/- 4' DEEP  
 CUT AND ABANDON: EXISTING 2" TR EAST  
 USE: 2" PE CAP

EXISTING: 2" TR CL-6 MAIN (F2045 1998) AT 24' SCL 14 ST E  
 INSTALL: 2X2 HVPT @ 15' EEL MORNINGSIDE AVE 2" PE ELL SOUTH  
 EXTEND: 2" PE CL-6 WEST UNDER PROPOSED ROAD SECTION SOIL CORRECTION AT +/- 4' DEEP  
 CUT AND ABANDON: EXISTING 2" TR WEST  
 USE: 2" PE CAP

INSTALL: 2" PE CAP AT 3' WERW TO COVER SERVICE #1208  
 EXTEND: 2" PE CL-6 SOUTH

EXISTING: 2" TR MAIN (48400610) AT 31' ECL MORNINGSIDE AVE WITH 2" TR TEE AT 42' NCL 11 ST E & 2" TR CAP AT 47' NCL 11 ST E  
 INSTALL: SQUEEZE OFF EXISTING 2" TR CAP FUSE 2" PE CL-6 TO EXISTING STUB  
 EXTEND: 2" PE CL-6 NORTH  
 CUT AND ABANDON: EXISTING 2" TR MAIN WEST  
 USE: 2" PE CAP WEST OF EXISTING 2" TR TEE

BUILDINGS #1214 & #1210 ARE TO BE DEMOLISHED IN CONJUNCTION WITH THE COUNT'S PROJECT

DESIGNER EXPRESS DESIGN

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: Jerome Kallstrom  
 Typed or Printed Name: Jerome Kallstrom

Date: 2/19/2019 License Number: 13149



MINNESOTA REGION  
 PROPRIETARY AND CONFIDENTIAL  
**PROJECT # : 88802806**  
 M09600 GLENCOE TOWNSHIP  
 M11400 HELEN TOWNSHIP  
 M09000 GLENCOE  
 ONE CALL:  
 McLeod  
 \*NE13 T115/R28  
 \*SE12 T115/R28  
 \*NW18 T115/R27  
 \*SW7 T115/R27  
 \* = this Page  
**LEGEND:**  
 — ACTIVE MAIN  
 — DESIGNED MAIN  
 — PROPOSED ABANDONED/ OUT OF SERVICE MAIN  
 — ABANDONED/ OUT OF SERVICE MAIN  
**PIPE REQUIRED:**  
 595' 2" PE CL-6  
 596' PIPE  
**PROPOSED ABANDONED PIPE:**  
 152' 2" TR CL-6  
 511' 2" AA CL-6  
 663' PIPE  
**COPIES:**  
 PIPELINE INTEGRITY PACKET: N  
 STATION/MANAGER: N  
 DD NUMBER:  
 CORROSION:  
 EMP: N  
**FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? NA**  
**SURVEYOR REQUIRED? N**  
**RETURN PACKET TO ENG? N**  
**GFIP #:**  
**PERMITS:**  
 CITY OF GLENCOE

**PROJECT DESCRIPTION:** SREL MORNINGSIDE AVE  
**DESIGNER:** TJ Haider  
**PHONE #:** 612.321.5132  
**DRAWN BY:** TJ Haider  
**DESIGN DATE:** 1/22/2019

**REVISION INFO:**

Main  
 S&P 157-2019  
 SCALE 1" = 100'  
 SHEET 1 OF 1