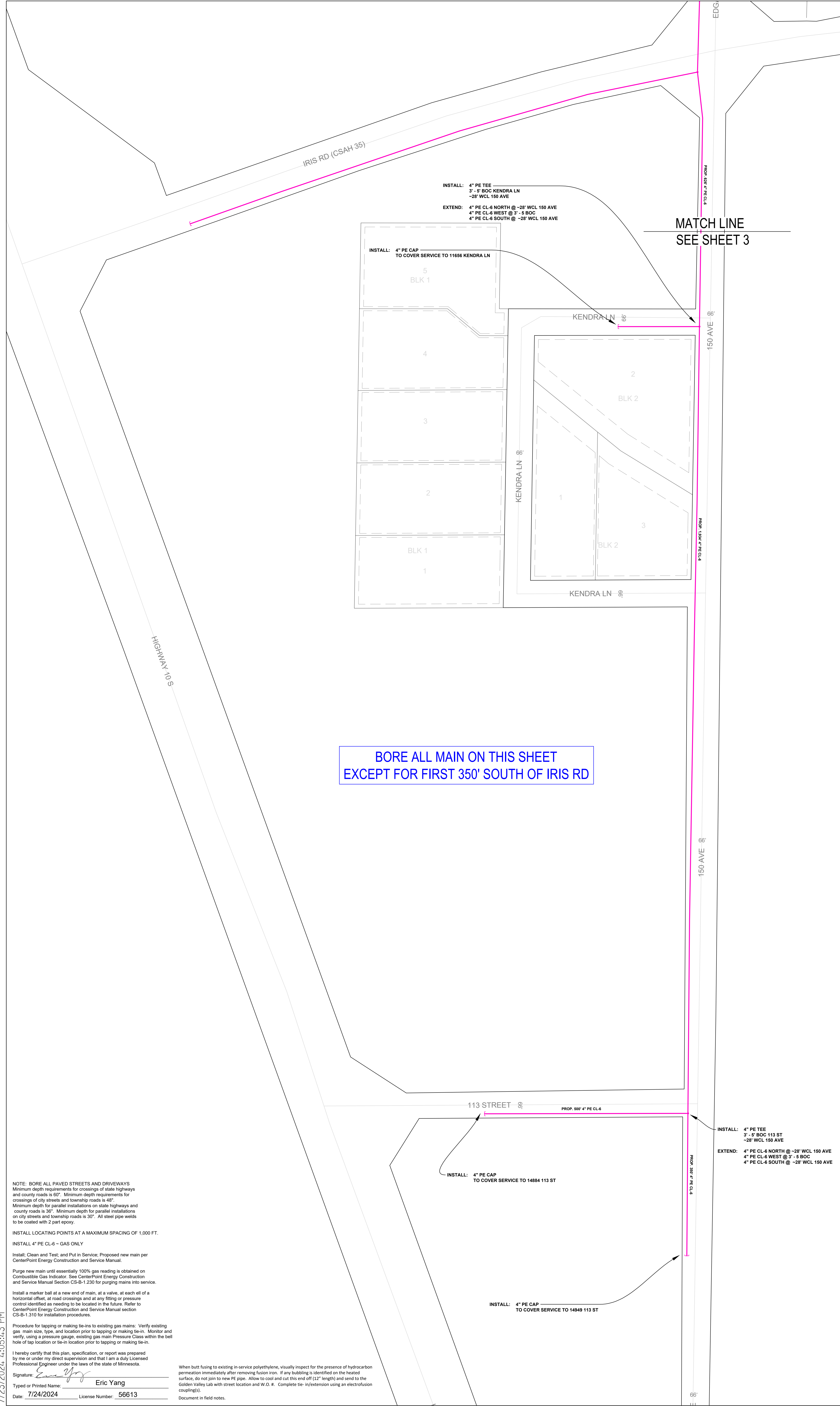


PIPE SUMMARY
12,894' 4" PE CL-6
12,894' TOTAL PIPE

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: NA
 CORROSION: NA
 EMP: Y - 16105212

SURVEYOR REQUIRED? Y
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? N
 GFEP #: NA

PERMITS: MNDOT LONG FORM
 MORRISON COUNTY
 LITTLE FALLS TWP



**BORE ALL MAIN ON THIS SHEET
 EXCEPT FOR FIRST 350' SOUTH OF IRIS RD**

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-6 - GAS ONLY

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: *Eric Yang*
 Typed or Printed Name: **Eric Yang**
 Date: **7/24/2024** License Number: **56613**

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.

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