

NOTE: BYPASS SIZING WAS DESIGNED FOR 40 DEGREES FAHRENHEIT

TEMPERATURE OR ABOVE. IF COLDER, THEN CONTACT ENGINEERING. INSTALL 2" PE TEMPORARY BYPASS USE: (2) 3"X2" HVPT'S

2" PE 90 DEG ELLS IF NEEDED ~15 ' 2" PE PIPE **INSTALL GAUGES AND MONITOR** PRESSURE FOR ¹/₂ HOUR PRIOR TO SEPARATION. IF PRESSURE FALLS **BELOW 15 PSI, CONTACT ENGINEERING.**

MONITOR GAUGES DURING THE JOB.

INSTALL PER DESIGN

CUT AND ABANDON BYPASS USE 2" PE CAPS



Install: Clean and Test: and Put in Service: Proposed new main per CenterPoint Energy Construction and Services Manual.

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.

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)

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

CONSTRUCTION NOTES

Obtain Construction Plans from Designer prior to starting job. They are located in documents in the electronic folder.

Coordinate with Contractor / Engineering Firm for exact locations of proposed structures and facilities prior to installation of gas facilities. Contact Bill Zidon, SEH, 701-360-2390.

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.

ABANDONMENT PROCEDURES

See Construction Procedures for installation of mains and services prior to abandonments This project includes work on one-way feed mains. Ensure all proposed main is in service, all taps are completed

and all services have been transferred to new main 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.

PARTS OF PROJECT JOINT TRENCH WITH MN POWER, MID-CONTINENT & LUMEN (FORMERLY CENTURYLINK). ALL PAVED STREETS AND DRIVEWAYS SHOULD BE BORED. 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.

Pipe < 4-inches Diameter (Unregulated PCB area): 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.

CORROSION TECH FOR AREA IS ANDREW KLEVE, CELL 612-441-1213

CenterPoint Energy CP TEST POINT WITH ANODE MINNESOTA REGION PROPRIETARY AND CONFIDENTIAL AND PLASTIC PIPE LOCATING STATION PROJECT #: 92126707 M16400 BUH TOWNSHIP ROADWAY INSTALLATION M16200 PIERZ LOCATING/TRACER WIRE - PIPES ONE CALL:

Morrison

*SE34 T41/R30

*SW35 T41/R30

*NW8 T40/R30

*NE8 T40/R30

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Solid 12 THHN copper tracer wire shall be buried with all plastic pipes. NOTE: Whenever tracer wires are joined together or connected to plastic pipes or services, the connections shall be coated with moldable sealant/tape.

Tracer wire shall also be terminated with plastic pipes when inserting inside

Where steel pipes and plastic pipe are joined together, the tracer wire will be terminated in a test box as shown in the drawing below. A seperate 12 THHN copper wire will be connected to the steel pipe and also terminated in the same test box with the tracer wire. of cast iron pipes.