## CONSTRUCTION NOTES

sub-cuts (See Construction Plans).

EXISTING: 2" WELD 90DEG ELL

54' NNHL

97' WWHL

31' SCL 3RD AVE NW

EXTEND: 2" PE CL-5 EAST

INSTALL CP TEST POINT WITH ANODE AND PLASTIC

2" TRANS/SLEEVE

USE: 2" WELD CAP

PIPE LOCATING STATION USING A ROADWAY

CUT & ABANDON: 2" ST CL-5 NORTH

— EXISTING: 4" TR TEE (F22091999)

27' SCL 3RD AVE NW

22' WCL VINCENT ST N

**SOUTH EXISTING TEE** 

~31' SCL 3RD AVE NW

4" SUPRA FLOW TEE

4" HDPE 90DEG ELL

4" HDPE CL-6 PUP

4" PE EF COUPLING

USE: 4" PE CAP

EXTEND: 4" PE CL-6 EAST

CUT & ABANDON: 4" TR CL-6 EAST EXISTING TEE

Vincent St N Detail

INSTALL: 4X4 EF HDPE BRANCH SADDLE

INSTALL: 2" 3-WAY TEE

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

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.

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)

See Abandonment Procedures for abandonment and purging procedures.

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.

## 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.

ALL PIPE IS TO BE DISPOSED OF BY CENTERPOINT ENERGY. CONTACT CHRIS LANASA (612-321-5448) TO

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

## CP TEST POINT WITH ANODE AND PLASTIC PIPE LOCATING STATION

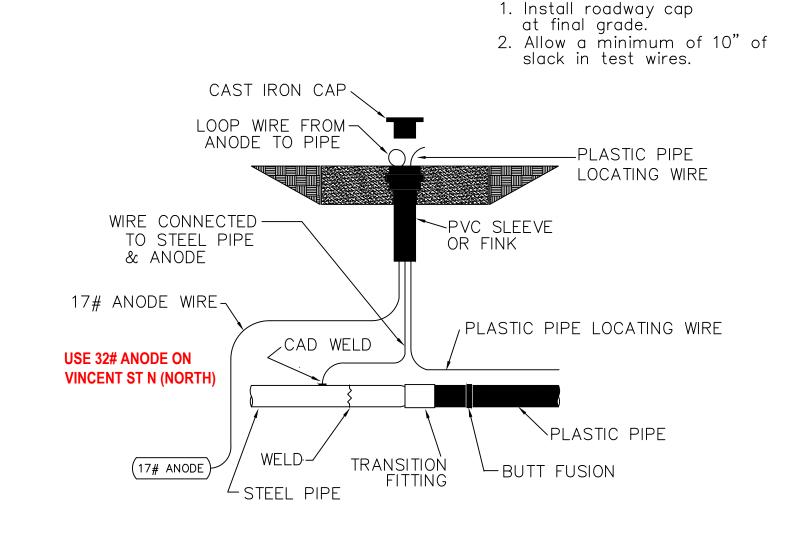
LOCATING/TRACER WIRE - PIPES

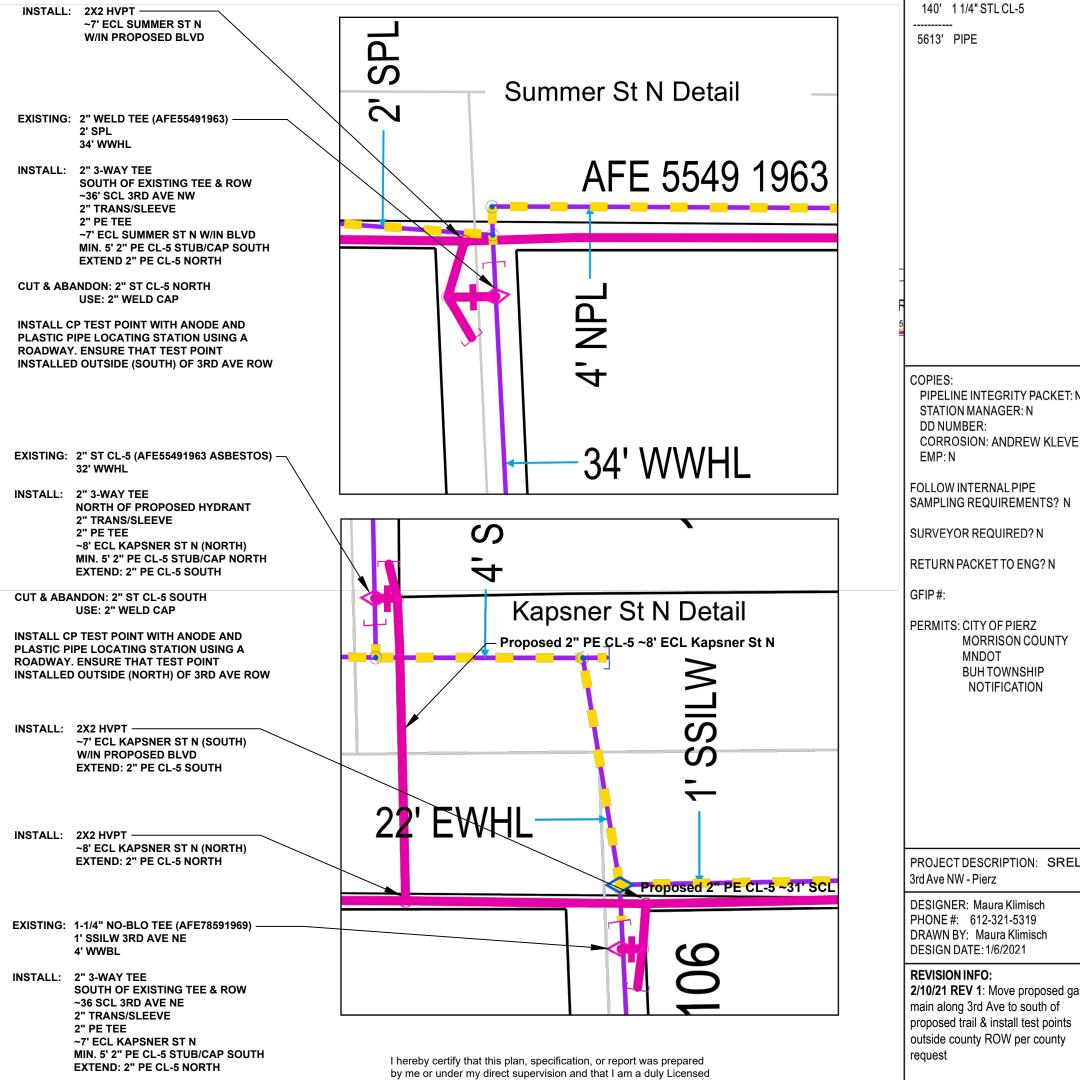
Solid 12 THHN copper tracer wire shall be buried with all plastic pipes.

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.





PROPRIETARY AND CONFIDENTIAL PROJECT #: 92126707 ROADWAY INSTALLATION M16400 BUH TOWNSHIP M16200 PIERZ

ONE CALL: Morrison \*SE34 T41/R30 \*SW35T41/R30 \*NW8 T40/R30 \*NE8T40/R30 \* = this Page

MINNESOTA REGION

LEGEND: ACTIVE MAIN DESIGNED MAIN PROPOSED ABANDONED/ OUT OF SERVICE MAIN ABANDONED/ OUT OF SERVICE MAIN

PIPE REQUIRED: 2252' 2" PE CL-5 1800' 4" PE CL-5 347' 4" PE CL-6 4399' PIPE

PROPOSED ABANDONED PIPE: 1190' 2"TR CL-5 2201' 2" STL CL-5 1771' 3" TR CL-5 311' 4"TR CL-6 140' 1 1/4" STL CL-5

> PIPELINE INTEGRITY PACKET: N STATION MANAGER: N

FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? N SURVEYOR REQUIRED? N

RETURN PACKET TO ENG? N

PERMITS: CITY OF PIERZ MORRISON COUNTY MNDOT **BUH TOWNSHIP** NOTIFICATION

PROJECT DESCRIPTION: SREL 3rd Ave NW - Pierz DESIGNER: Maura Klimisch PHONE #: 612-321-5319 DRAWN BY: Maura Klimisch DESIGN DATE: 1/6/2021

**REVISION INFO:** 2/10/21 REV 1: Move proposed gas main along 3rd Ave to south of proposed trail & install test points outside county ROW per county

AS NEEDED TO CROSS EXISTING 4" TR CL-6 (F2209 1999) SOUTH OF **PROPOSED 4X4 SUPRAFLOW TEE** 

Contact Engineering with questions.

ALL ABANDONED MAIN IS TO BE REMOVED. COORDINATE DISPOSAL AND ROLL AWAY.

REFER TO PACKET FOR PIPE REMOVAL PROCEDURES.

INSTALL: 2" 3-WAY TEE NORTH OF PROPOSED CATCH BASINS 2" TRANS/SLEEVE 2" PE TEE ~20' WCL VINCENT ST N MIN. 5' 2" PE CL-5 STUB/CAP NORTH EXTEND: 2" PE CL-5 SOUTH CUT & ABANDON: 2" ST CL-5 SOUTH USE: 2" WELD CAP

INSTALL CP TEST POINT WITH ANODE AND PLASTIC PIPE LOCATING STATION USING A **ROADWAY. USE 32# ANODE** 

EXISTING: 2" ST CL-5 (AFE55491963 ASBESTOS) -

See Vincent St N Detail

(COUNTY RD 43

south of proposed trai LONG SIDE SERVICES & MAINS TO BE INSTALLED BELOW PROPOSED SUBCUTS

AFE 5549 1963 2" ST CL-5

SEE CONSTRUCTION PLANS

- INSTALL: 4" PE ELL 20' SCL 3RD AVE NW

28' ECL VINCENT ST N

EXTEND: 4" PE CL-6 EAST & SOUTH

NSTALL: 2X2 HVPT — ~31' SCL 3RD AVE NW

~25' ECL VINCENT ST N

~20' WCL VINCENT ST N EXTEND: 2" PE CL-5 NORTH, **WEST & EAST** 

See Summer St N Detail

3 AVE NW

31' SCL 3RD AVE NW 28' ECL VINCENT ST N EXTEND: 4" PE CL-6 WEST & NORTH

- EXISTING: 4" TR CL-6 (F22091999) 21' ECL VINCENT ST N

NORTH OF PROPOSED CATCH BASINS 4" SUPRA FLOW TEE 4" HDPE 90 DEG ELL 4" HDPE CL-6 PUP 4" PE EF COUPLING EXTEND: 4" PE CL-6 SOUTH

229 - 233

INSTALL: 4X4 EF HDPE BRANCH SADDLE

**CUT & ABANDON: 4" TR CL-6 SOUTH** USE: 4" PE CAP

ONG SIDE SERVICES & MAINS TO BE

Proposed 2" PE CL-5 ~31' SCL

SEE CONSTRUCTION PLANS - Proposed 4" PE CL-6 ~25' ECL Vincent St N Proposed 2" PE CL-5 ~8' ECL Kapsner St N AFE 5549 1963 2" ST CL-5 (COUNTY RD 39) 3 AVE NE 4' NPL 16' EWBL

AFE 5549 1963 2" ST CL-5

INSTALLED BELOW PROPOSED SUBCUTS

~20' SCL 3RD AVE NW MIN. 5' 4" PE CL-6 STUB/CAP EAST

**EXTEND: 4" PE CL-6 NORTH & WEST** 

CUT & ABANDON: 2" ST CL-5 NORTH USE: 2" WELD CAP

INSTALL CP TEST POINT WITH ANODE AND PLASTIC PIPE LOCATING STATION USING A ROADWAY. **ENSURE THAT TEST POINT INSTALLED OUTSIDE** (SOUTH) OF 3RD AVE ROW

Typed or Printed Name: \_\_\_\_\_DANIEL G. CHRISTENSEN Date: 02/17/2021

Professional Engineer under the laws of the state of Minnesota.

SCALE 1":100' SHEET 1 OF 2