CORROSION DEPT.
O.K. KEVIN KLINGLE

EXISTING 2" STEEL PIPE TO BE ABANDONED HAS BEEN PREVIOUSLY IDENTIFIED AS POSITIVE FOR ASBESTOS IN PIPE COATING MATERIAL. ALL RETIRED MAIN IS TO BE REMOVED.
ALL PIPE IS TO BE DISPOSED BY CENTERPOINT ENERGY. CONTACT CHRIS LaNASA AT 612-861-8471 TO COORDINATE DISPOSAL AND ROLL AWAY.

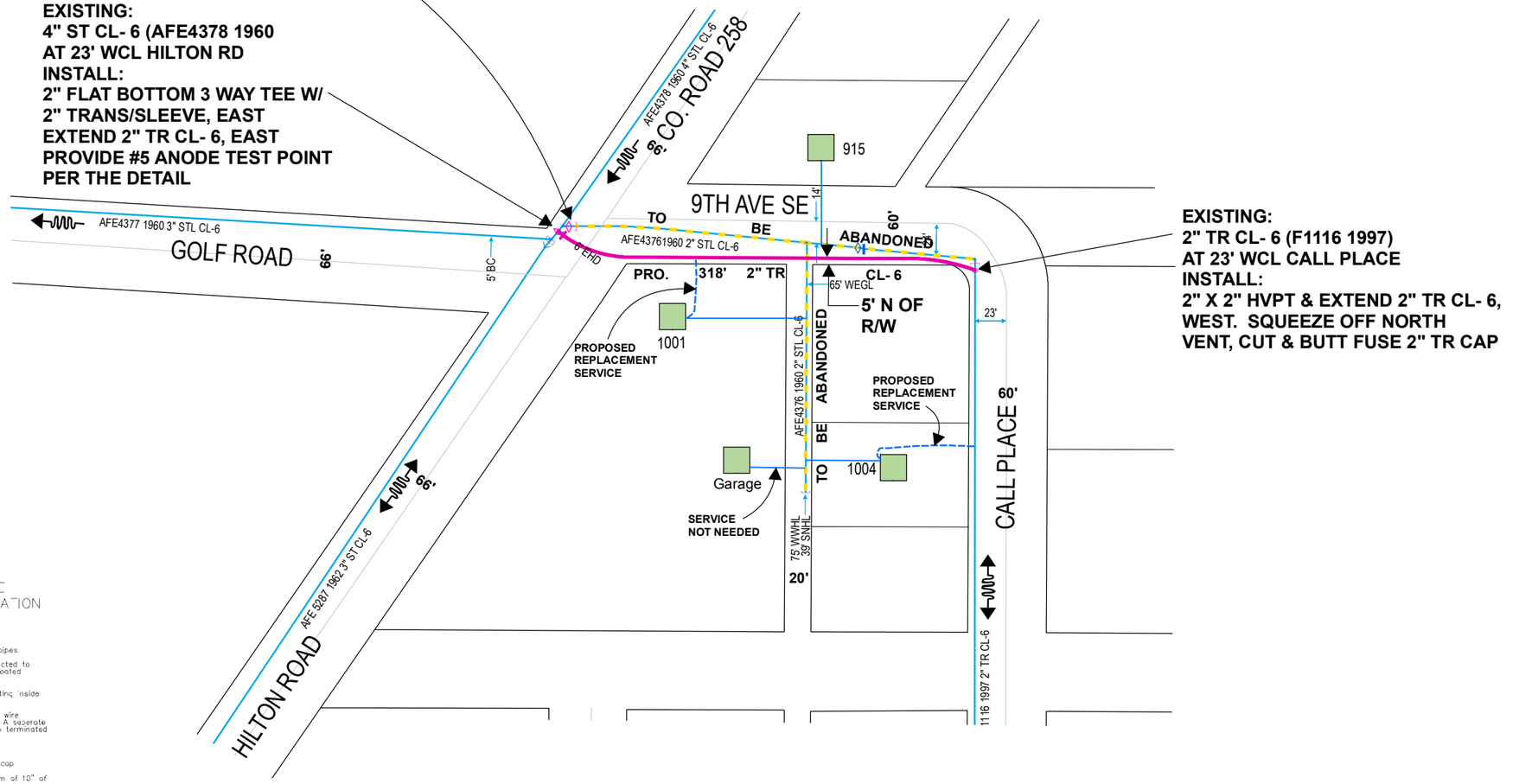
EXISTING:
2" ST CL- 6 (AFE4378 1960)
AT 24' SCL 9TH AVE SE
INSTALL:
2" SHORTSTOP
STOP FLOW OF GAS, EAST
VENT, CUT & INSTALL 2" WELD CAP

EXISTING:
4" ST CL- 6 (AFE4378 1960
AT 23' WCL HILTON RD
INSTALL:
2" FLAT BOTTOM 3 WAY TEE W/
2" TRANS/SLEEVE, EAST
EXTEND 2" TR CL- 6, EAST
PROVIDE #5 ANODE TEST POINT
PER THE DETAIL

Project area cleared for internal contaminants. No internal testing required.

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 PROCEDURE.

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".



EXISTING:
2" TR CL- 6 (F1116 1997)
AT 23' WCL CALL PLACE
INSTALL:
2" X 2" HVPT & EXTEND 2" TR CL- 6,
WEST. SQUEEZE OFF NORTH
VENT, CUT & BUTT FUSE 2" TR CAP

NO. 5 ANODE T.P.

CP TEST POINT WITH ANODE
AND PLASTIC PIPE LOCATING STATION
ROADWAY INSTALLATION

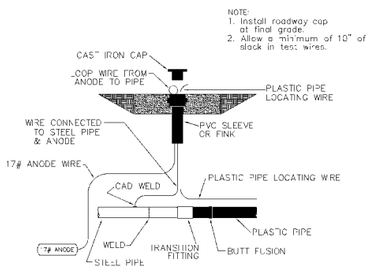
LOCATING/TRACER WIRE PIPES

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 of cast iron pipes.

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.



NOTE:
AT STEEL TO PLASTIC MAIN CONNECTIONS PROVIDE ANODE AND TEST POINT PER THE DETAIL ABOVE. ALL TEST POINTS SHOULD BE INSTALLED IN THE BOULEVARD OR OTHER ACCEPTABLE LOCATIONS AND AVOID PLACEMENT IN DRIVING LANES.

CONSTRUCTION PROCEDURE

VERIFY THE STARTING POINT OF W/O 69769053 WITH THIS PROJECT IN ANOTHER PART OF TOWN AS THEY WILL BE INSTALLED WITH THE SAME CITY CONTRACTOR. COORDINATE WITH CITY INSPECTOR, BRAB RUTZ AT 320-630-9151 THE PROPOSED WORK AND LOCATION OF THE REPLACEMENT MAIN. INSTALL THE PROPOSED 2" TR CL-6 AS SHOWN. TEST AND PURGE PER THE CENTERPOINT ENERGY CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.220 THROUGH CS-B-1.230 FOR CLASS 6 MAINS. PURGE THE NEW MAINS UNTILL A 100% READING IS OBTAINED ON A COMBUSTIBLE GAS INSTRUMENT.

SEE THE SERVICE SURVEY FOR SERVICES TO BE TEST AND CONNECTED OR REPLACED. SERVICES TO 1004 CALL PLACE AND 1001 HILTON ROAD WILL NEED TO BE REPLACED. THE EXISTING SERVICE TO THE GARAGE WILL NOT NEED TO BE REPLACED.

TO ABANDON THE EXISTING MAINS INSTALL THE 2" SHORTSTOP AT THE LOCATION SHOWN AND INSTALL WELD CAP. NORTH OF PREVIOUSLY INSTALLED 2" HVPT, SQUEEZE OFF AND INSTALL 2" TR CAP. PURGE ABANDONED MAINS AS DIRECTED BY THE CENTERPOINT ENERGY CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.110.

PROVIDE NO. 5 ANODE T.P. AT LOCATIONS SHOWN AND AS DIRECTED BY KEVIN KLINGLE AT 612-910-1551.

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 _____

Type or Printed Name: Jerome K. Kallstrom

Date _____ **REG. No 13149**

CenterPoint Energy
MINNESOTA REGION

N W E S

PROPRIETARY AND CONFIDENTIAL

PROJECT #: **69880937**

M16000 LITTLE FALLS

ONE CALL:
Morrison
*NE18 T40/R32
* = this Page

LEGEND:
- ACTIVE MAIN
- DESIGNED MAIN
- PROPOSED ABANDONED MAIN
- (A) ABANDONED MAIN

PIPE REQUIRED:
318' 2" TR CL-6

318' PIPE

PROPOSED ABANDONED PIPE:
401' 2" STL CL-6
89' 2" TR CL-6

490' PIPE

COPIES:
PIPELINE INTEGRITY: NO
GAS VALVE: NO
DD NUMBER: NONE
CORROSION: KEVIN KLINGEL
EMP: NO

FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? NO
SURVEYOR REQUIRED? NO
RETURN PACKET TO ENG? NO

PERMITS: CITY OF LITTLE FALLS (NOTIFY)
MORRISON COUNTY: CO. RD. 258

PROJECT DESCRIPTION: SREL 9TH AVE SE

DESIGNER: Steve Guhanick
PHONE #: 612-321-5421
DRAWN BY: Steve Girouard
DESIGN DATE: 7/9/2014

REVISION INFO:

Main
SCAN DATE:

SCALE 1" : 100'
SHEET 1 OF 1

DESIGNER EXPRESS DESIGN
07/15/2014 02:36:18 PM