

CORROSION DEPT.
O.K. KEVIN KLINGLE

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 INSTALL CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.310 FOR INSTALLATION PROCEDURE.

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

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.

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".



MINNESOTA REGION

PROPRIETARY AND CONFIDENTIAL

PROJECT #: 72449058

M16000 LITTLE FALLS

ONE CALL:
Morrison
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LEGEND:
— ACTIVE MAIN
— DESIGNED MAIN
- - - PROPOSED ABANDONED MAIN
⊙ ABANDONED MAIN

PIPE REQUIRED:
161' 3" STL CL-6
161' PIPE

PROPOSED ABANDONED PIPE:
146' 3" TR CL-6
146' PIPE

COPIES:
PIPELINE INTEGRITY: NO
GAS VALVE: NO
DD NUMBER: YES
CORROSION: NO
EMP: NO

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

PERMITS: CITY OF LITTLE FALLS
BNSF RAILROAD

PROJECT DESCRIPTION: SREL
9TH AVE & RR

DESIGNER: Steve Guhanick
PHONE #: 612-321-5421
DRAWN BY: Steve Girouard
DESIGN DATE: 2/11/2015

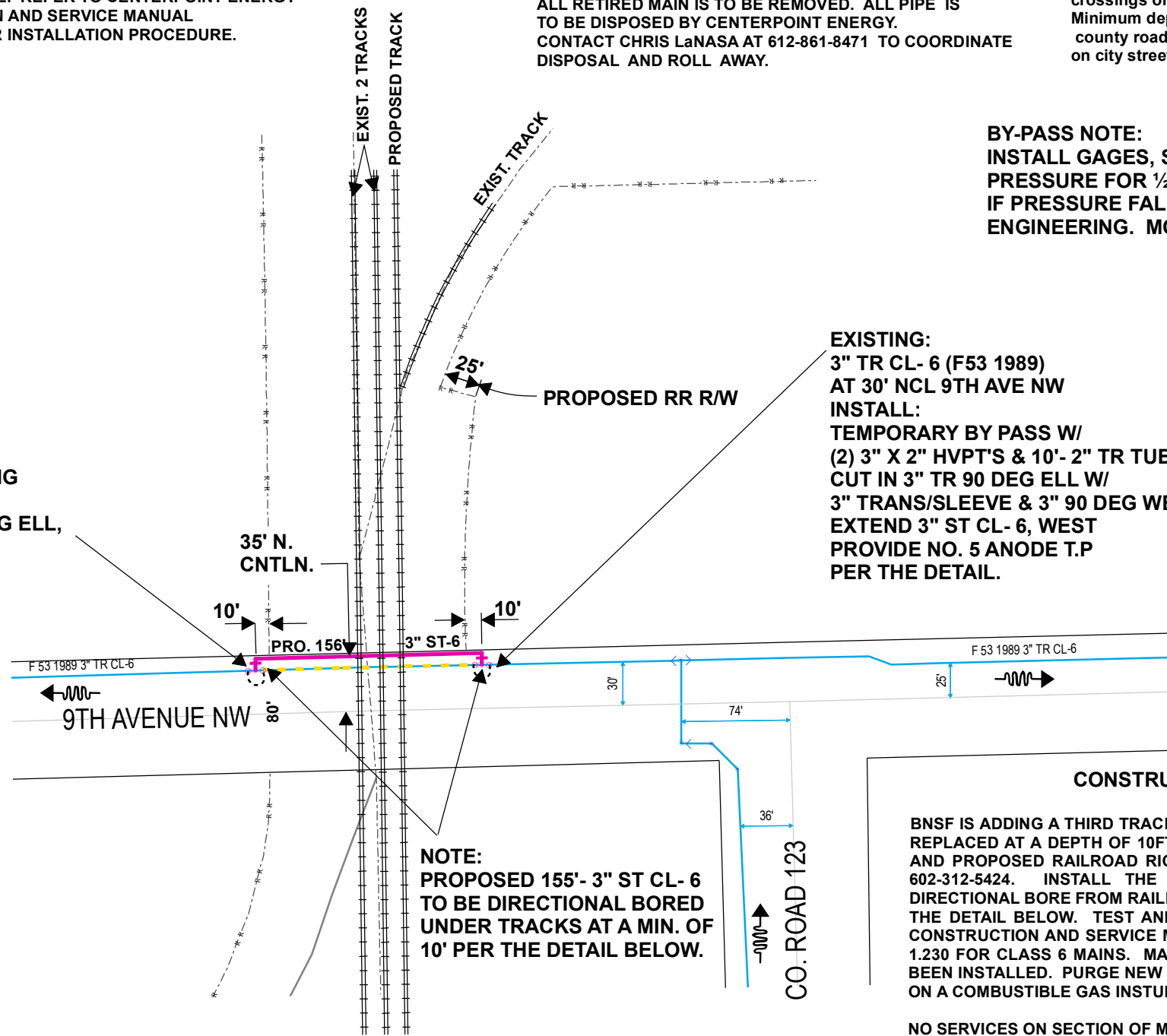
REVISION INFO:

Main SCAN DATE: SCALE 1" = 100'
SHEET 1 OF 1

BY-PASS NOTE:
INSTALL GAGES, SQUEEZE OFF AND MONITOR PRESSURE FOR 1/2 HOUR PRIOR TO SEPARATION. IF PRESSURE FALLS BELOW 40 PSI, CONTACT ENGINEERING. MONITOR GAGES DURING THE JOB.

EXISTING:
3" TR CL-6 (F53 1989)
AT 30' NCL 9TH AVE NW
INSTALL:
TEMPORARY BY PASS W/
(2) 3" X 2" HVPT'S & 10'-2" TR TUBING
CUT IN 3" TR 90 DEG ELL W/
3" TRANS/SLEEVE & 3" 90 DEG WELD ELL, NORTH
EXTEND 3" ST CL-6, WEST
PROVIDE NO. 5 ANODE T.P.
PER THE DETAIL.

EXISTING:
3" TR CL-6 (F53 1989)
AT 30' NCL 9TH AVE NW
INSTALL:
TEMPORARY BY PASS W/
(2) 3" X 2" HVPT'S & 10'-2" TR TUBING
CUT IN 3" TR 90 DEG ELL W/
3" TRANS/SLEEVE & 3" WELD 90 DEG ELL,
NORTH. EXTEND 3" ST CL-6, EAST
PROVIDE NO.5 ANODE T.P.
PER THE DETAIL



NOTE:
PROPOSED 155'- 3" ST CL-6
TO BE DIRECTIONAL BORED
UNDER TRACKS AT A MIN. OF
10' PER THE DETAIL BELOW.

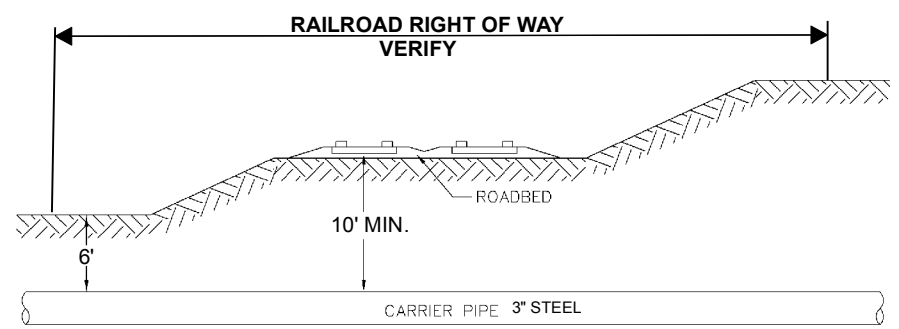
CONSTRUCTION PROCEDURE

BNSF IS ADDING A THIRD TRACK REQUIRING NON CASED CROSSING TO BE REPLACED AT A DEPTH OF 10FT AND WITH STEEL PIPE. VERIFY EXISTING AND PROPOSED RAILROAD RIGHT OF WAY WITH YSIDOR RODRIGUEZ AT 602-312-5424. INSTALL THE PROPOSED 3" STEEL CL-6 MAIN WITH DIRECTIONAL BORE FROM RAILROAD RIGHT OF WAY TO RIGHT OF WAY PER THE DETAIL BELOW. TEST AND PURGE PER THE CENTERPOINT ENERGY CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.220 THROUGH CS-1.230 FOR CLASS 6 MAINS. MAKE TIE-INS AFTER TEMP. BY PASSES HAVE BEEN INSTALLED. PURGE NEW MAIN UNTILL A 100% READING IS OBTAINED ON A COMBUSTIBLE GAS INSTURMENT.

NO SERVICES ON SECTION OF MAIN TO BE ABANDONED.

TO ABANDON THE EXISTING PLASTIC MAIN REMOVE TEMP BY-PASSES WITH TR CAPS. PURGE ABANDONED MAIN AS DIRECTED BY THE CENTERPOINT ENERGY CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.110. ABANDONED MAIN TO BE REMOVED AND DISPOSED OF AS DIRECTED BY CHRIS LaNASA AT 612-861-8471.

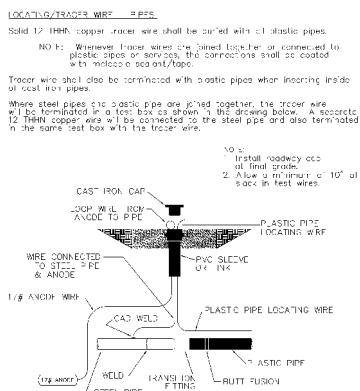
PROVIDE NO. 5 ANODE TEST POINT AT STEEL TO PLASTIC MAIN CONNECTIONS PER THE DETAIL AND AS DIRECTED BY KEVIN KLINGLE AT 612-910-1551.



NOTE:
INSTALL THE PROPOSED 3" STEEL CL-6 MAIN AT 10' UNDER RAILROAD TRACKS WITH DIRECTIONAL BORE FROM RIGHT OF WAY TO RIGHT OF WAY, PER THE DETAIL ABOVE.

ANODE T.P. NO. 5

CENTERPOINT ENERGY ANODE AND PLASTIC PIPE LOCATING STATION ROADWAY INSTALLATION



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.

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

02/12/2015 10:36:33 AM DESIGNER EXPRESS DESIGN