

CORROSION DEPT.
O.K. KEVIN KLINGLE
SEE WORK ORDERS 57316997 & 57317150
FOR PIPE COATING TEST RESULTS THIS PAGE

ALL RETIRED MAIN IS TO BE REMOVED PER MORRISON CO.
ALL PIPE IS TO BE DISPOSED BY CENTERPOINT ENERGY MINNEGASCO.
CONTACT MARILEE (612-861-8672) TO COORDINATE DISPOSAL AND ROLL AWAY.
REFER TO PACKET FOR PIPE REMOVAL PROCEDURES.

Project area not cleared for internal contaminants. Due to pipe size in project area no internal testing method is allowed. See packet for special abandon/removal requirements. Any pipe that may need removal must be disposed of by CenterPoint Energy.

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".



REGION 2 - MINNESOTA

PROPRIETARY AND CONFIDENTIAL

PROJECT #: 56158188

M16000 LITTLE FALLS

ONE CALL:
Morrison
NE191129R29
*NW191129R29
* = this Page

LEGEND:
— ACTIVE MAIN
— DESIGNED MAIN
— PROPOSED ABANDONED MAIN
— ABANDONED MAIN

PIPE REQUIRED:
3195' 2" TR CL-2
423' 3" TR CL-2
3618' PIPE

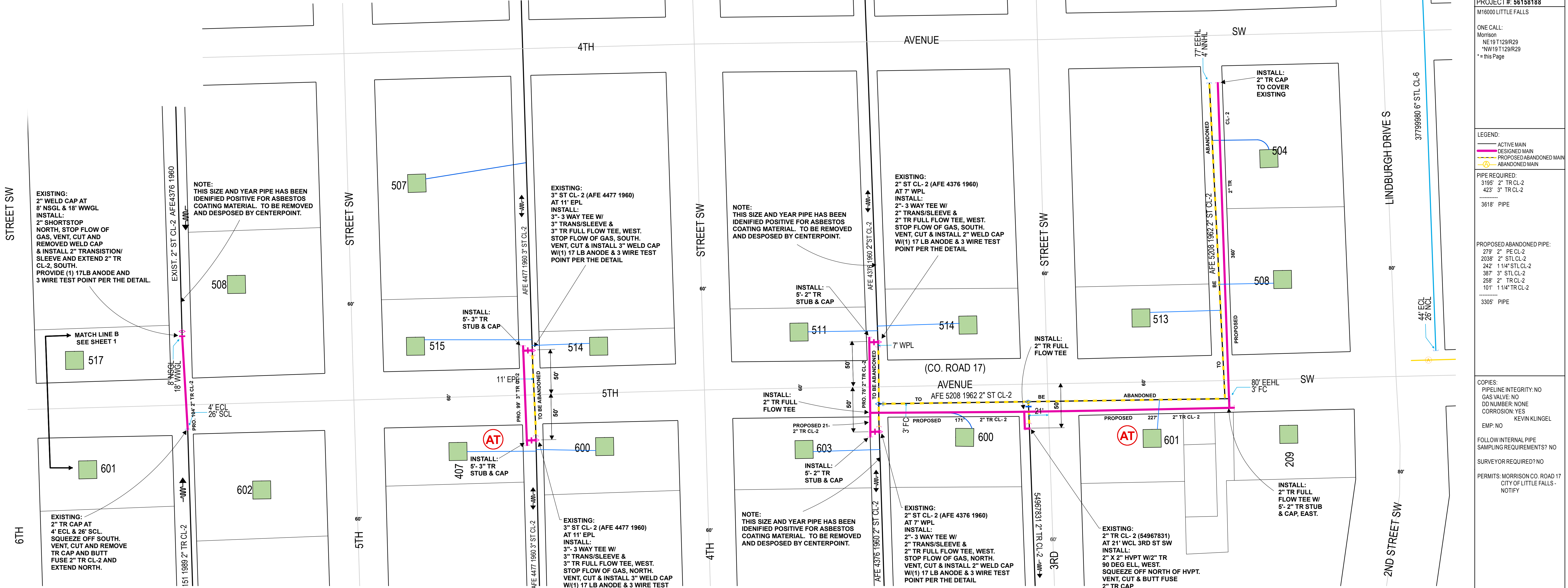
PROPOSED ABANDONED PIPE:
279' 2" PE CL-2
2038' 2" ST CL-2
242' 1 1/4" ST CL-2
387' 3" ST CL-2
258' 2" TR CL-2
101' 1 1/4" TR CL-2
3305' PIPE

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

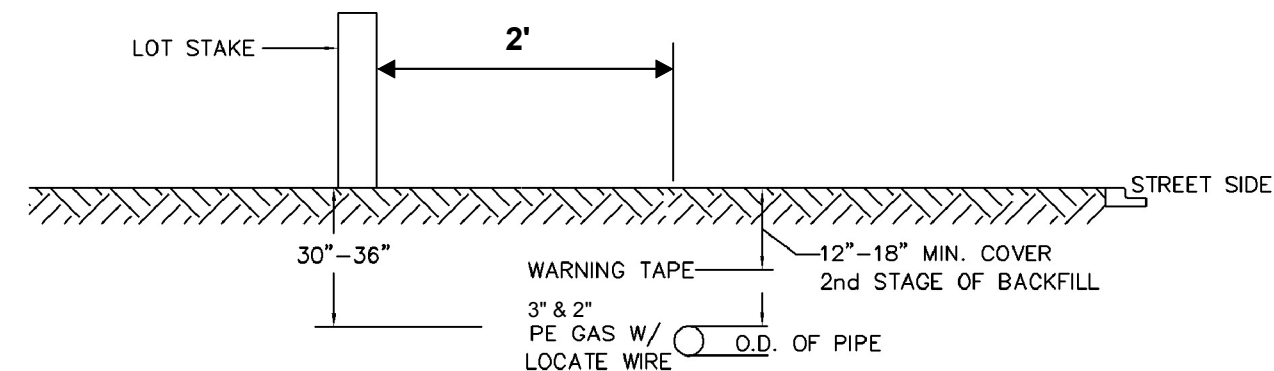
FOLLOW INTERNAL PIPE SAMPLING REQUIREMENTS? NO

SURVEYOR REQUIRED? NO

PERMITS: MORRISON CO. ROAD 17
CITY OF LITTLE FALLS - NOTIFY



AT DENOTES COATING SAMPLE LOCATION. CONTACT MARILEE DOHERTY (612-861-8671) IN ENVIRONMENTAL PROGRAMS TO SCHEDULE SAMPLING OF PIPE COATING. (GIVE HER 48 HOURS NOTICE WHEN POSSIBLE TO ARRANGE FOR A LICENSED INSPECTOR).



NOTE:
INSTALL PROPOSED 3\"/>

CONSTRUCTION PROCEDURE

VERIFY THE STARTING POINT OF THE MORRISON COUNTY ROAD RECONSTRUCTION PROJECT AND COORDINATE THE REPLACEMENT SECTIONS NOTED IN THE DESIGN. INSTALL THE PROPOSED 3\"/>

SEE THE SERVICE SURVEY FOR SERVICES TO BE TEST AND CONNECTED OR REPLACED.

TO ABANDON THE EXISTING MAINS USE THE PREVIOUSLY INSTALLED 3 WAY TEES TO STOP THE FLOW OF GAS, VENT, CUT AND INSTALL WELD CAPS. OR SQUEEZE OFF PLASTIC MAINS, VENT, CUT AND BUTT FUSE TR CAPS.

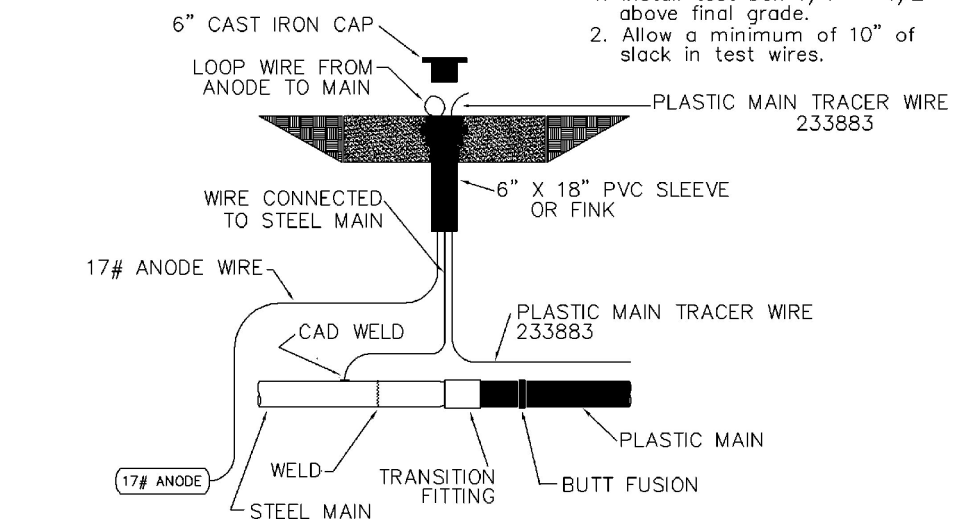
AT PLASTIC TO STEEL MAIN CONNECTIONS PROVIDE ANODE AND 3 WIRE TEST POINT PER THE DETAIL AND AS DIRECTED BY KEVIN KLINGEL AT 612-910-1551.

3 WIRE TEST POINT

LOCATING/TRACER WIRE - MAINS

Solid 12 THHN copper tracer wire shall be buried with all plastic mains.
NOTE: Whenever tracer wires are joined together or connected to plastic mains or services, the connections shall be coated with malleable sealant/tape.
Tracer wire shall also be terminated with plastic mains when inserting inside of cast iron mains.
Where steel mains and plastic main are joined together, the tracer wire will be terminated in a test box as shown in the drawing below. A separate 12 THHN copper wire will be connected to the steel main and also terminated in the same test box with the tracer wire.

- NOTE:
1. Install test box 1/4" - 1/2" above final grade.
 2. Allow a minimum of 10" of slack in test wires.



NOTE:
AT STEEL TO PLASTIC MAIN CONNECTIONS PROVIDE ANODE AND 3 WIRE 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.

DESIGNER EXPRESS DESIGN

04/02/2011 08:40:11 AM

PROJECT DESCRIPTION: SREL
CO ROAD 17

DESIGNER: Steve Guhanick
PHONE#: 612-321-5421
DRAWN BY: Steve Girouard
DESIGN DATE: 3/8/2011

REVISION INFO:

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

Main SCAN DATE _____ SCALE 1"=50'
SHEET 2 OF 2