

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".



CenterPoint Energy
REGION 2 - MINNESOTA
PROPRIETARY AND CONFIDENTIAL
PROJECT # 56158188
M16000 LITTLE FALLS
ONE CALL:
Morrison
NE19T129R29
NW19T129R29
* = this Page

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

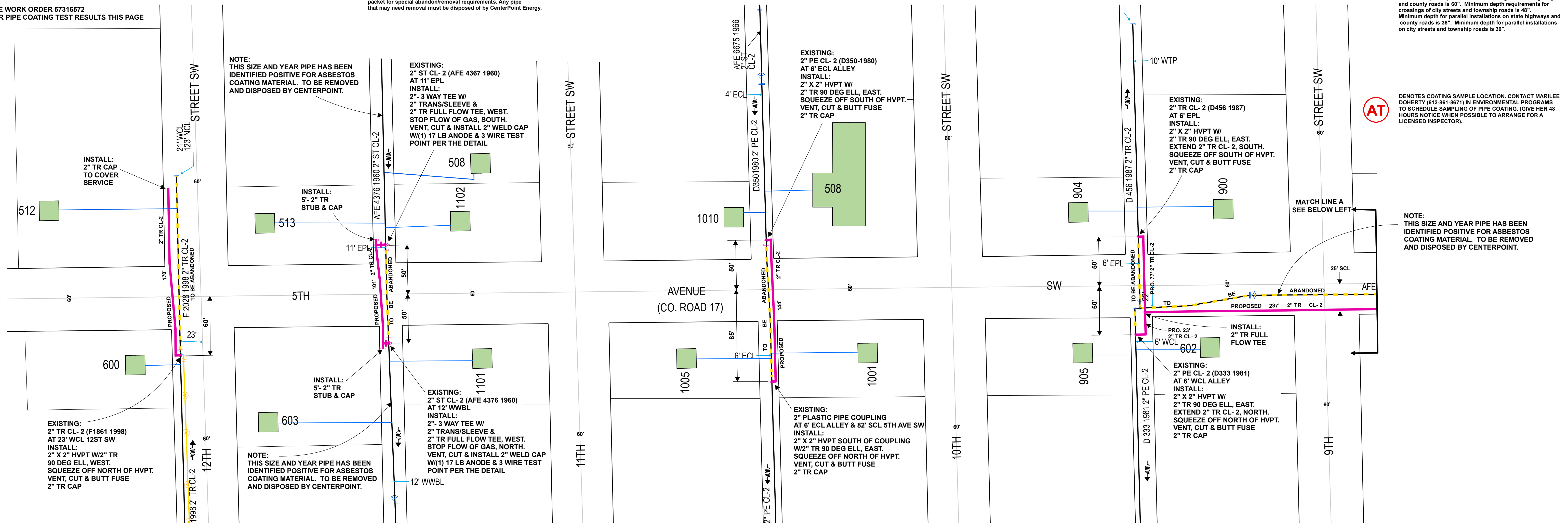
PIPE REQUIRED:
3195' 2" TR CL-2
423' 3" TR CL-2
3618' PIPE

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

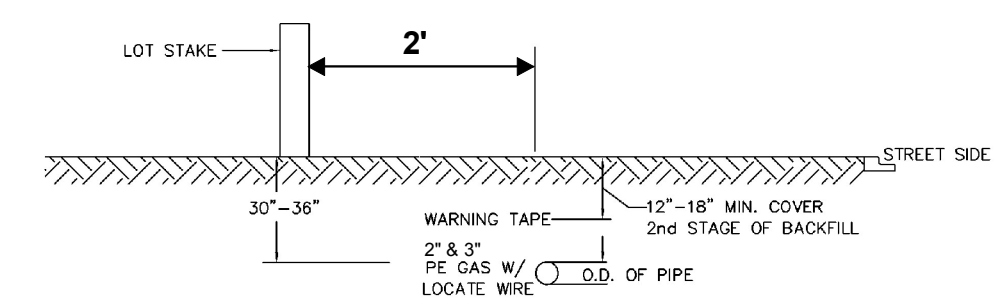
COPIES:
PIPELINE INTEGRITY: NO
GAS VALVE: NO
DD NUMBER: NONE
CORROSION: YES
EMP. NO. KEVIN KLINGEL

FOLLOW INTERNAL PIPE
SAMPLING REQUIREMENTS? NO
SURVEYOR REQUIRED? NO

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



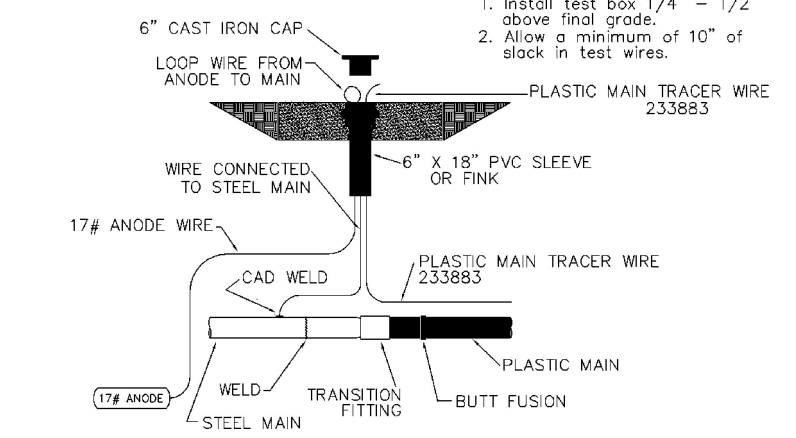
NOTE:
THIS SIZE AND YEAR PIPE HAS BEEN IDENTIFIED POSITIVE FOR ASBESTOS COATING MATERIAL. TO BE REMOVED AND DISPOSED BY CENTERPOINT.



NOTE:
INSTALL PROPOSED 3" & 2" TR CL-2 MAINS AT 2" FROM PROPERTY LINES PER THE DETAIL ABOVE.

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 mastic/sealant/epoxy.
Tracer wire shall also be terminated with plastic mains when inserting inside of cast iron manhole.
Where steel mains and plastic mains 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:
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.

NOTE:
SEE PAGE 2 FOR CONSTRUCTION PROCEDURE

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