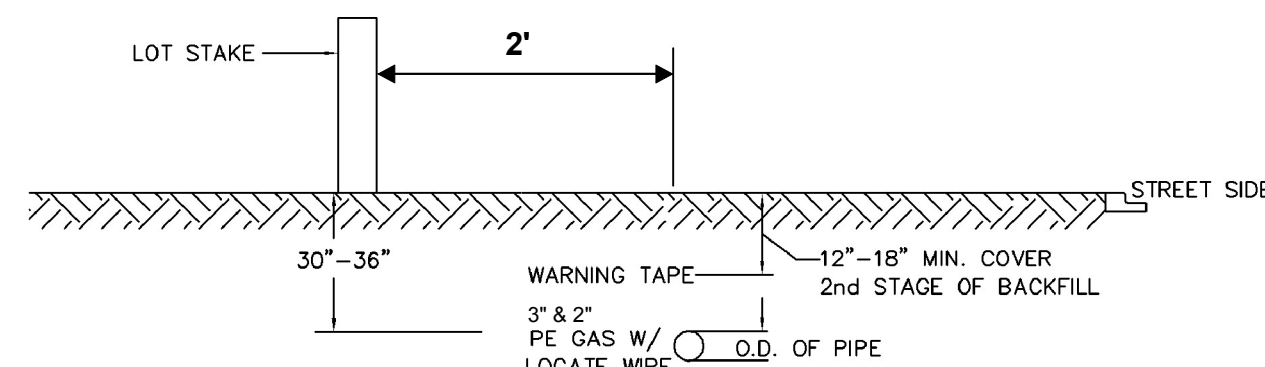


**AT** DENOTES COATING SAMPLE LOCATION. CONTACT MARILEE DOHERTY (612-861-8871) IN ENVIRONMENTAL PROGRAMS TO SCHEDULE SAMPLING OF PIPE COATING. (GIVE HER 48 HOURS NOTICE WHEN POSSIBLE TO ARRANGE FOR A LICENSED INSPECTOR).



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

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\" & 2\" TR CL-2 MAINS AT 2' FROM PROPERTY LINES AND AT THE LOCATIONS SHOWN. VERIFY MAIN AND SERVICE CROSSING DEPTHS TO MEET THE MINIMUM 60\" COUNTY REQUIREMENTS AS A 3' SUBCUT OF THE EXISTING ROADWAY IS PROPOSED. TEST AND PURGE PER THE CENTERPOINT ENERGY CONSTRUCTION AND SERVICE MANUAL SECTION CS-B-1.220 THROUGH CS-B-1.230 FOR CLASS 2 MAINS.

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.

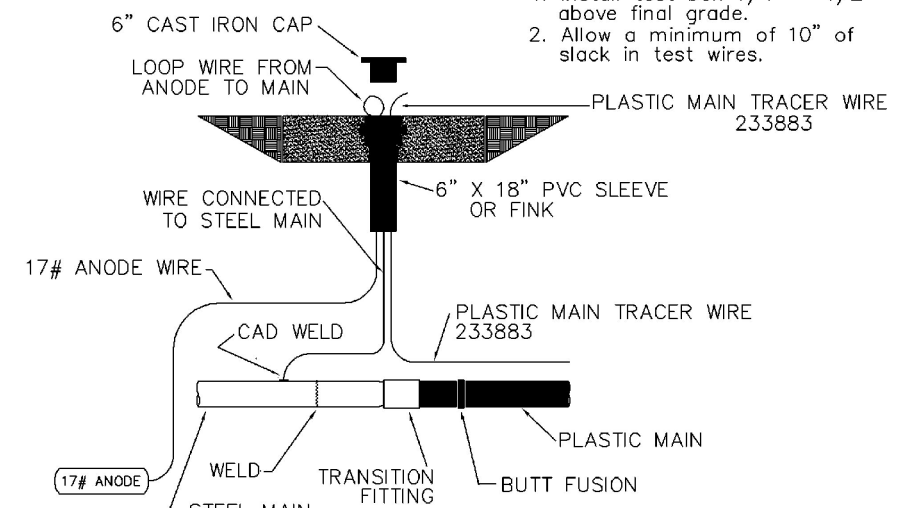
AT PLASTIC TO STEEL MAIN CONNECTIONS PROVIDE ANODE AND 3 WIRE TEST POINT PER THE DETAIL AND AS DIRECTED BY KEVIN KLINGEL AT 612-910-1551.

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.

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

PROJECT DESCRIPTION: SREL  
CO ROAD 17

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

REVISION INFO:

Main SCAN DATE  
SCALE 1\"/>