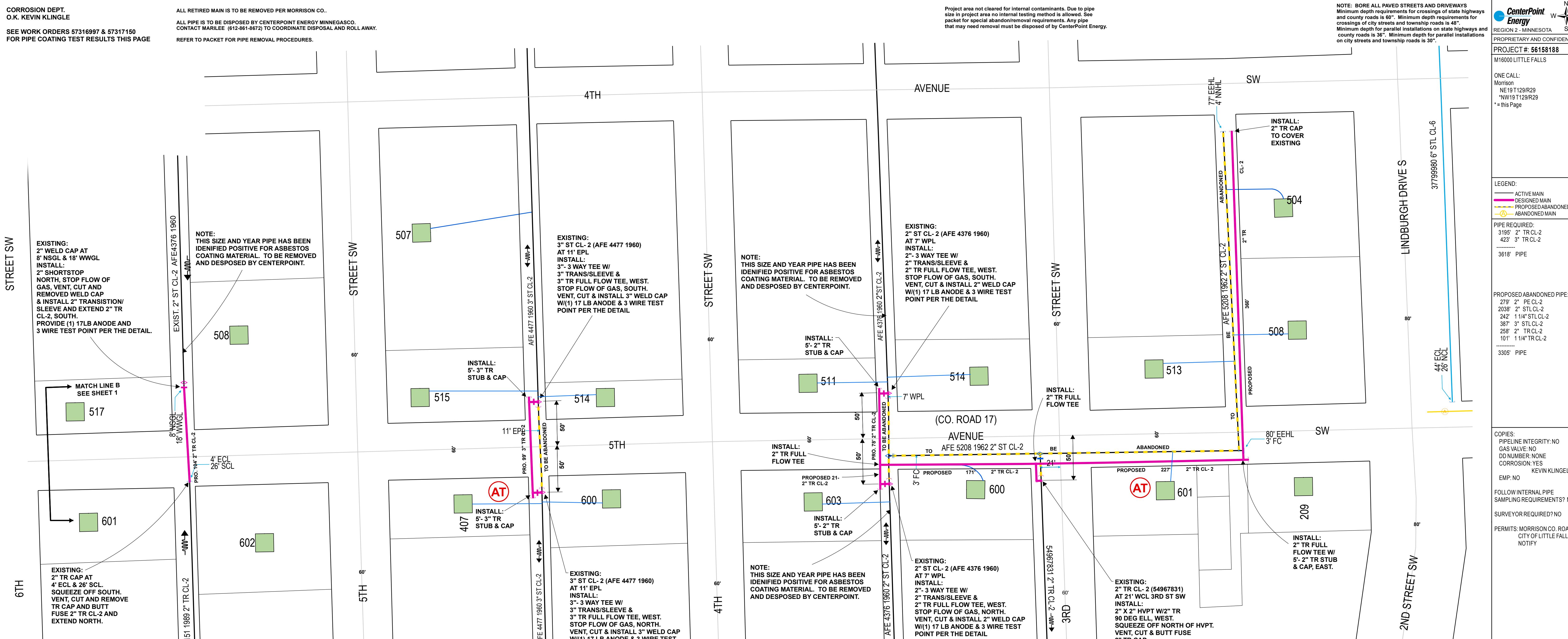


CORROSION DEPT.
O.K. KEVIN KLINGLE
SEE WORK ORDERS 57316997 & 57317150
FOR PIPE COATING TEST RESULTS THIS PAGE

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.



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).

3 WIRE TEST POINT

LOCATING/TRACTER 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 an insulating 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.

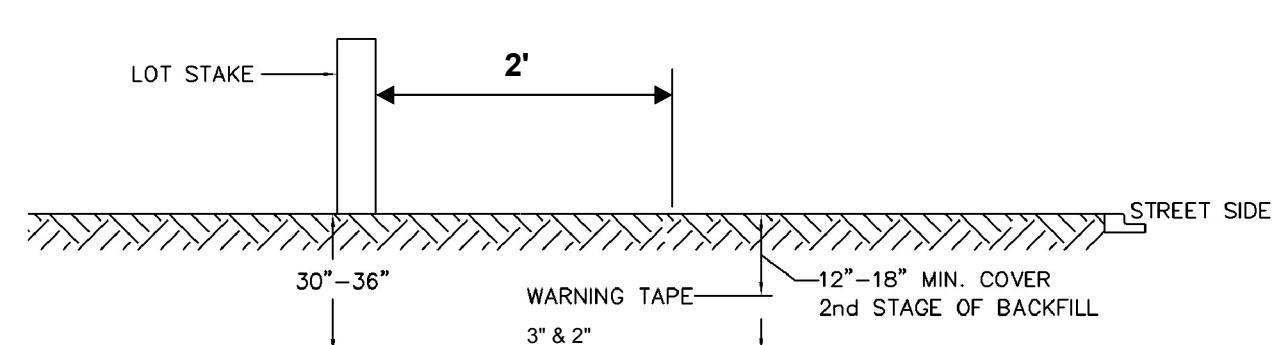
NOTE:
1. Install test box 1/4" - 1/2"
above final grade.
2. Allow a minimum of 10" of
slack in test wires.

6" CAST IRON CAP
LOOP WIRE FROM
ANODE TO MAIN
PLASTIC MAIN TRACER WIRE
233883

WIRE CONNECTED
TO STEEL MAIN
17# ANODE WIRE
CAD WELD
PLASTIC MAIN TRACER WIRE
233883

17# ANODE WIRE
WELD
TRANSITION FITTING
STEEL MAIN
BUTT FUSION

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:
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 TESTED 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 KLINGLE
AT 612-910-1551.