

**HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
CORROSION CONTROL TEST STATION
FIELD DATA SURVEY FORM**

Location: Cedar Ave & Georgia Ave. Date Surveyed: 06/13/2007
 T/S #: 03 Surveyed by: AS/MJ
 T/S Type: ST w/Anode Contract #: 24-3811
 Pipe Size: 8"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box: Covered with soil
 Terminal Board: Test box filled with water. Terminal board is good
 Wires: Good
 Other: _____

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	Blue	-1.167	-1.070	-1.026	-0.804	115
2.						
3. #10 AWG	Blue	-1.154	-0.883	-1.021	-0.803	
4. #6 AWG	Black	-1.273	-1.723	-1.160	-1.657	
5.						
6.						
7. #8 AWG	Black	-0.146	-0.098			
8.						

P/Cu-CuSO₄ = Pipe to Copper-Copper Sulfate Reference Electrode
 P/Zn = Pipe to Zinc Reference Electrode
 "On" = Reading with Anode(s) connected
 "Off" = Reading with Anode(s) disconnected
 Anode = Current output Anode(s)

TESTING THE EFFECTIVENESS OF INSULATING JOINTS

Groundbed: _____
 Connected to (B/W): _____

	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

TESTING IR DROP

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ Direction: _____	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

REPAIRS MADE

Test Box: Cleared the soil covering the test box
 Terminal Board: _____
 Wires: _____
 Other: _____
 Comments/Recommendations: _____



Figure 189 - Location of Test Station 3811-3



Figure 190 - Test Station 3811-3 close-up