

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

Location: 55+25 Date Surveyed: 06/05/2007
 Old Stockbridge and MD 108 Surveyed by: AS/MJ
 T/S #: 11 Contract #: 44-3327
 T/S Type: ST w/Anode Pipe Size: 36"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box: Filled with water
 Terminal Board: Submerged under water
 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. #8 AWG	Red	-1.555	-1.648	-0.421	-0.623	36.2
2.						
3. #10 AWG	Black	-1.558	-1.295	-0.431	-0.210	
4. #10 AWG	Green	-1.128	-1.092			
5.						
6. #10 AWG	Black	-1.472	-1.465	-0.348	-0.211	
7.						
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 = $\frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

Direction: _____

REPAIRS MADE

Test Box: _____
 Terminal Board: _____
 Wires: _____
 Other: _____
 Comments/Recommendations: _____



Figure 141 – Location of Test Station 11



Figure 142 – Test Station 11 close up