

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

Location: 06+50 Date Surveyed: 06/12/2007
 Woodcrest Drive and MD 108 Surveyed by: AS/MJ
 T/S #: 2 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: Good – Test box was dug out by contractors (builders near by)
 Terminal Board: 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	Red	-1.070	-1.681	-0.422	-0.552	62.0
2.						
3. #10 AWG	Black	-1.079	-0.870	-0.418	0.268	
4.						
5.						
6. #10 AWG	Green	-1.098	-1.127			
7. #10 AWG	Black	-1.076	-0.880	-0.285	-0.278	
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)		$\frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ Direction:	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

REPAIRS MADE

Test Box: Concrete pad is removed
 Terminal Board: No reference – Changed the color of wire
 Wires:
 Other:
 Comments/Recommendations:



Figure 123 – Location of Test Station 2 - MD 108



Figure 124 - Test Station 2 close-up