

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

Location: 06+50 Date Surveyed: 6/4/02  
Woodcrest Dr & MD Rt.108 Surveyed by: DD/MJ  
 T/S #: 2 Contract #: L5267  
 T/S Type: ST/Anode Pipe Size: 36"

Was Test Station located? YES/NO YES  
 If NO, then how much time was spent locating? \_\_\_\_\_

**TEST STATION CONDITION**

Test Box : CDP flush mounted - Good  
 Terminal Board : NM series (7 terminal) - Good  
 Wires : Good  
 Other : Fluctuating voltages

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10 AWG	Red	-1.670	-1.553	0.550	0.430	10.000
2)						
3) #10 AWG	Black	-1.667	-1.678	0.550	0.580	
4)						
5)						
6) #10 AWG	Black	-1.670	-1.674	0.570	0.570	
7) #10 AWG	Green	-1.131	-1.220			

P/Cu-CuSO<sub>4</sub> = Pipe to Copper - Copper Sulfate Reference Cell  
 P/Zn = Pipe to Zinc Permanent Reference Cell  
 "On" = Reading with Anode(s) connected  
 "Off" = Reading with Anode(s) disconnected  
 I Anode = Current output of anodes

IR Drop Calibrations	I (Amps)	E (mV)
Initial		
Final		
Delta		

K =  $\frac{? I (mA)}{? E (mV)}$

Direction; \_\_\_\_\_

Between Terminals	Resistance (Ohms)

**REPAIRS MADE**

Test Box: \_\_\_\_\_  
 Terminal Board: \_\_\_\_\_  
 Wires: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Additional Comments/Recommendations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Figure 10 - Test Station #2, across from Woodcrest Drive & Route 108



Figure 11 - Test Station #2, close-up