

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

Location: 76+00 Date Surveyed: 6/6/02
Elk Mar Surveyed by: DD/MJ
 T/S #: 27 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 : CP Flush Mount - Good
 Terminal Board : NM Series (7 terminal) - muddy
 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	-1.544	-1.804	1.051	1.311	27
2)						
3) #10 AWG	Black	-1.544	-1.510	1.056	1.010	
4)						
5)						
6) #10 AWG	Black	-1.540	-1.510	1.060	1.010	
7) #10 AWG	Green	-0.486	-0.491			

P/Cu-CuSO₄ = 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 = $\frac{? I \text{ (mA)}}{? E \text{ (mV)}}$

Direction; _____

Between Terminals	Resistance (Ohms)

REPAIRS MADE

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



Figure 52 - Test Station #27, Elk Mar Drive



Figure 53 - Test Station #27, close-up