

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

Location: 17+90 Date Surveyed: 6/4/02
Across from mail box 6138
 T/S #: 4 Surveyed by: DD/MJ
 T/S Type: ST/Anode Contract #: L5267
 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 Mounted - Good
 Terminal Board : NM Series (7 terminal) - 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	-1.700	-1.608	0.560	0.448	3
2)						
3) #10 AWG	Black	-1.700	-1.715	0.560	0.583	
4) #10 AWG	Green	-1.158	-1.164			
5)						
6) #10 AWG	Black	-1.706	-1.708	0.556	0.580	
7)						

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

Direction; _____

Between Terminals	Resistance (Ohms)

REPAIRS MADE

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



Figure 14 - Test Station #4, across from mail box 6135 on Route 108



Figure 15 - Test Station #4, close-up