

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

Location: 10+50 Date Surveyed: 6/4/02
 T/S #: 3 Surveyed by: DD/MJ
 T/S Type: IR/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	-1.630	-1.656	0.504	0.523	7.0
2) #10 AWG	Black	-1.624	-1.634	0.524	0.511	
3) #8 AWG	Orange	-1.622	-1.640	0.525	0.511	
4) #10 AWG	Green	-1.119	-1.133			
5)						
6) #12 AWG	Orange	-1.624	-1.635	0.524	0.514	
7) #10 AWG	Black	-1.621	-1.636	0.511	0.536	

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	-0.006	0.200
Final	2.860	-6.800
Delta	2.866	-7.000

K = $\frac{? I \text{ (mA)}}{? E \text{ (mV)}}$
 K = 0.409

Between Terminals	Resistance (Ohms)

Direction; Orange to Black

REPAIRS MADE

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



Figure 12 - Test Station #3, South of Woodcrest signboard on Route 108



Figure 13 - Test Station #3, close-up