

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

Location: 55+25 Date Surveyed: 6/5/02
3 trees before Chatfield Surveyed by: DD/MJ
T/S #: 11 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) - Good
Wires : Good
Other : Filled with water and a thin film on everything

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	-1.557	-1.787	0.406	0.62	79
2)						
3) #10 AWG	Black	-1.557	-1.368	0.406	0.192	
4) #10 AWG	Green	-1.152	-1.169			
5)						
6) #10 AWG	Black	-1.56	-1.368	0.407	0.198	
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 = $\frac{? I \text{ (mA)}}{? E \text{ (mV)}}$

Direction; _____

Between Terminals	Resistance (Ohms)

REPAIRS MADE

Test Box: _____
Terminal Board: _____
Wires: _____
Other: Installed Anode to Pipe connector
Additional Comments/Recommendations: _____



Figure 28 - Test Station #11, between 3rd & 4th trees from Chatfield Lane



Figure 29 - Test Station #11, close-up