

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

Location: 33+40 Date Surveyed: 6/18/02
Golf Course Surveyed by: DD/MJ
T/S #: 21 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 : _____

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	-1.368	-1.725	0.300	0.585	66
2)						
3) #10 AWG	Black	-1.368	-1.300	0.302	0.158	
4) #10 AWG	Green	-1.078	-1.140			
5)						
6) #10 AWG	Black	-1.369	-1.301	0.300	0.160	
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 40 - Test Station #21, Golf Course



Figure 41 - Test Station #21, close-up