

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

Location: 37+00 Date Surveyed: 06/06/2007
Golf Course (Hole 12) Surveyed by: AS/MJ
 T/S #: 22 Contract #: 44-3327
 T/S Type: ST w/Anode Pipe Size: 36"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box:	<u>Good</u>
Terminal Board:	<u>Good</u>
Wires:	<u>Good</u>
Other:	

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #8 AWG	Red	-1.315	-1.720	-0.666	-0.297	30.0
2.						
3. #10 AWG	Black	-1.322	-1.242	-0.191	-0.295	
4. #12 AWG	White	-1.062	-1.062			
5.						
6. #10 AWG	Black	-1.425	-1.320	-0.274	-0.388	
7.						
8.						

P/Cu-CuSO₄ = Pipe to Copper-Copper Sulfate Reference Electrode

P/Zn = Pipe to Zinc Reference Electrode

"On" = Reading with Anode(s) connected

"Off" = Reading with Anode(s) disconnected

Anode = Current output Anode(s)

TESTING THE EFFECTIVENESS OF INSULATING JOINTS

Groundbed:			
Connected to (B/W):			
	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

TESTING IR DROP

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					
			Direction:		

REPAIRS MADE

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



Figure 155 – Location of Test Station 22



Figure 156 – Test Station 22 close up