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

Location:	49+00	**Date Surveyed:**	06/07/2007
	Golf Course	**Surveyed by:**	AS/MJ
T/S #:	23	**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:	Good
Terminal Board:	Good
Wires:	Good
Other:	Bolts/Nuts are oxidized

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-$CuSO_4$ (V) “On”	P/Cu-$CuSO_4$ (V) “Off”	P/Zn (V) “On”	P/Zn (V) “Off”	Anode (mA)
1. #8 AWG	Red	-1.485	-1.550	-0.650	-0.632	28.0
2.						
3. #8AWG	Black	-1.365	-1.231	-0.350	-0.359	
4. #10 AWG	White	-0.956	-0.936			
5.						
6. #8 AWG	Black	-1.568	-1.241	-0.300	-0.301	
7.						
8.						

P/Cu-$CuSO_4$ = 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)
INITIAL:		
FINAL:		
DELTA:		

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

Direction:

Between Terminals	Resistance (ohms)

REPAIRS MADE

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

Figure 157 – Location of Test Station 23

Figure 158 – Test Station 23 close up