

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

Location: 33+40 Date Surveyed: 06/06/2007  
 Golf Course W. of Gas ROW Surveyed by: AS/MJ  
 T/S #: 21 Contract #: 44-3327  
 T/S Type: IJ 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:	

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #8 AWG	Red	-1.235	-1.418	-0.075	-0.199	26.0
2.						
3. #10 AWG	Black	-1.243	-1.200	-0.074	-0.025	
4. #12 AWG	White	-0.986	-1.031			
5.						
6. #10 AWG	Black	-1.242	-1.205	-0.080	-0.042	
7.						
8.						

P/Cu-CuSO<sub>4</sub> = 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 153 – Location of Test Station 21



Figure 154 – Test Station 21 close up