

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

Location: 49+84 Date Surveyed: 06/05/2007  
Old Stockbridge and Village Dr. Surveyed by: AS/MJ  
 T/S #: 10 Contract #: 44-3327  
 T/S Type: IR w/Anode Pipe Size: 36"  
 Was the T/S located? YES / NO YES

**TEST STATION CONDITION**

Test Box: Filled partially with water  
 Terminal Board: Good  
 Wires: Good  
 Other: \_\_\_\_\_

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V) "On""Off"		P/Zn (V) "On""Off"		Anode (mA)
1. #8 AWG	Red	-1.324	-1.660	-0.145	-0.582	10.0
2. #10 AWG	Black	-1.310	-1.205	-0.227	-0.123	
3. #12 AWG	Orange	-1.303	-1.218	-0.128	-0.076	
4. #10 AWG	Green	-1.078	-1.090			
5.						
6. #8 AWG	Orange	-1.428	-1.220	-0.126	-0.120	
7. #8 AWG	Black	-1.350	-1.308	-0.240	-0.122	
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 = $\frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ =2.98	Between Terminals	Resistance (ohms)
INITIAL:	0.00	-13.0			
FINAL:	0.00168	-18.0			
DELTA:	-0.00168	-5.0	Direction: Orange to Blk		

**REPAIRS MADE**

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



Figure 139 – Location of Test Station 10



Figure 140 – Test Station 10 close up