

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

Location: 7330 Wye Ave Date Surveyed: 06/13/2007  
 T/S #: 05 Surveyed by: AS/MJ  
 T/S Type: ST w/Anode Contract #: 24-3811  
 Was the T/S located? YES / NO YES Pipe Size: 8"

**TEST STATION CONDITION**

Test Box: Filled with water  
 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. #10 AWG	Blue	-1.171	-1.019	-1.160	-0.965	88
2.						
3. #10 AWG	Blue	-1.162	-0.988	-1.167	-0.964	
4. #6 AWG	Black	-1.188	-1.609	-1.217	-1.615	
5.						
6. #6 AWG	Black	0.022	-0.006			
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 192 - Location of Test Station 3811-5



Figure 193 - Test Station 3811-5 close-up