

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

Location: 7337 Cedar Ave. Date Surveyed: 06/13/2007
 T/S #: 07 Surveyed by: AS/MJ
 T/S Type: ST w/Anode Contract #: 24-3811
 Pipe Size: 8"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box: Covered with soil
 Terminal Board: Good
 Wires: Good
 Other: _____

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	Blue	-0.900	-0.753	-0.940	-0.820	71
2. #6 AWG	Black	-0.068	-0.052			
3. #10 AWG	Blue	-0.896	-0.753	-0.940	-0.815	
4. #6 AWG	Black	-0.916	-1.625	-0.956	-1.692	
5.						
6.						
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)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ Direction: _____	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

REPAIRS MADE

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



Figure 196 - Location of Test Station 3811-7



Figure 197 - Test Station 3811-7 close-up