

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

Location: 200' N of 2200 Marriottsville Rd. **Date Surveyed:** 06/22/2007
T/S #: 04 **Surveyed by:** AS/MJ
T/S Type: IJ **Contract #:** 44-3480
Was the T/S located? YES / NO YES **Pipe Size:** 12"

TEST STATION CONDITION

Test Box: Good
Terminal Board: Good
Wires: Good
Other: _____

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V) "On" "Off"		P/Zn (V) "On" "Off"		Anode (mA)
1. #10 AWG	Black	-0.570	-0.482			110.0
2. #10 AWG	Red	-0.569	-1.532			
3. #10 AWG	Green	-0.464	-0.451			
4. #10 AWG	Black	-0.561	-0.481			
5. #10 AWG	Red	-0.717	-1.530			
6. #10 AWG	Black	-1.060	-1.050			
7. #10 AWG	Green	-0.464	-0.447			
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:	0.59	0.280	2.87
OFF:	0.000	0.022	
DELTA:	0.09	0.258	

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: IJ test indicates proper functioning



Figure 211 - Location of Test Station 3480-4



Figure 212 - Test Station 3480-4 close-up