

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

Location: 200' N of 2200 Marriottsville Rd. **Date Surveyed:** 4/13/2005
T/S #: 4 **Surveyed by:** AC/MJ
T/S Type: IJ w/ Anode **Contract #:** 44-3480
Pipe Size: 12"

Was Test Station 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 ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10	Black	-0.852	-0.742			248.0
2) #10	Red	-0.853	-1.560			
3) #10	Green	-0.483	-0.470			
4) #10	Black	-0.841	-0.745			
5) #10	Red	-1.056	-1.561			
6) #10	Black	-1.073	-1.074			
7) #10	Green	-0.481	-0.470			

P/Cu-CuSO₄ = Pipe to Copper - Copper Sulfate Reference Cell
P/Zn = Pipe to Zinc Permanent Reference Cell
"On" = Reading with Anode(s) connected
"Off" = Reading with Anode(s) disconnected
I Anode = Current output of anodes

TESTING THE EFFECTIVENESS OF INSULATING JOINTS / PIPE CASING

GROUND BED:
CONNECTED TO (B/W):

CURRENT	(A)	VOLTAGE	(V)	RESISTANCE (ohms):	4.23
ON:	0.1	ON:	-0.15		
OFF:	0	OFF:	0.27		
DELTA:	0.1	DELTA:	-0.42		

REPAIRS MADE

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

Additional Comments/Recommendations: The last time Dacco Sci, Inc visited this test station, it was a flush mount test station. During this visit, it was noted that the test station is now a blue standing post test station.



Figure 230 - Location of Test Station 3480-4



Figure 231 - Test Station 3480-4 close-up