

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

Location: 78+90 Date Surveyed: 2/17/2005
East of Meadowridge Road Surveyed by: AC/MJ
 T/S #: 16 Contract #: 44-3327
 T/S Type: IJ w/ Anode Pipe Size: 36"

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) #8	Red	-1.365	-1.667	-0.331	-0.648	15.5
2) #10	Black	-1.370	-1.337	-0.339	-0.313	
3) #10 AWG	Green	-1.422	-1.414	-0.404	-0.380	
4) #10 AWG	Green	-1.026	-1.029			
5)						
6) #10 AWG	Green	-1.427	-1.419	-0.406	-0.380	
7) #10 AWG	Black	-1.357	-1.325	-0.338	-0.813	

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): 0.75
 ON: 6.9 ON: 5.1
 OFF: 0.0 OFF: 0.1
 DELTA: 6.9 DELTA: 5.0

REPAIRS MADE

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



Figure 155 – Location of Test Station 16



Figure 156 – Test Station 16 close up