

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

Location: 20+70 Date Surveyed: 2/15/2005
Golden Bell Way and MD 108 Surveyed by: AC/MJ
 T/S #: 5 Contract #: 44-3327
 T/S Type: CS 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) #10	Black		-1.446			
2) #10	Green		-0.645			
3) #10	Black		-1.443			
4)						
5) #10	Green		-0.640			
6)						
7)						

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): CASING

CURRENT (A) VOLTAGE (V) RESISTANCE (ohms): 1.3

ON: 5.3 ON: -7.68

OFF: 0.0 OFF: -0.8

DELTA: 5.3 DELTA: -6.88

REPAIRS MADE

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

Additional Comments/Recommendations: It appears that the casing is isolated from the pipe



Figure 135 – Location of Test Station 5



Figure 136 – Test Station 5 close up