

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

Location: 08+24 (N) Date Surveyed: 3/18/2005  
US Rt. 29 Surveyed by: AC/MJ  
T/S #: 08 Contract #: 44-3868  
T/S Type: IJ w/ Anodes Pipe Size: 16"

Was Test Station located? YES/NO Yes

**TEST STATION CONDITION**

Test Box : Good  
Terminal Board : Good  
Wires : Two Loose Wires (#10 Black)  
Other : \_\_\_\_\_

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10	White	-0.390	-0.382	-0.441	-0.388	22.0
2) #10	White	-0.374	-0.379	-1.080	-0.388	
3) #10	Blue	-1.020	-0.982	-1.072	-1.000	
4) #10	Black	-0.065	-0.021			
5) #10	Blue	-1.009	-0.981	-1.075	-1.002	
6) #6	Black	-1.021	-1.583	-1.072	-1.608	
7) #10	Black	-1.471	-1.489	-1.538	-1.510	

P/Cu-CuSO<sub>4</sub> = 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):	2850
ON:	0.004	ON:	11.4		
OFF:	0	OFF:	0		
DELTA:	0.004	DELTA:	11.4		

**REPAIRS MADE**

Test Box: \_\_\_\_\_  
Terminal Board: \_\_\_\_\_  
Wires: \_\_\_\_\_  
Other: \_\_\_\_\_  
Additional Comments/Recommendations: IJ test confirms the isolation between two pipes.



**Figure 102 – Location of Test Station 8 - Rt.29 N**



**Figure 103 – Test Station 8 close up**