

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

Location: 21+50 Date Surveyed: 2/15/2005  
Old Stockbridge and MD 108 Surveyed by: AC/MJ  
 T/S #: 6 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 <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10	Black		-1.301			
2) #10	Green		-0.504			
3) #10	Black		-1.302			
4)						
5) #10	Green		-0.503			
6)						
7)						

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):	1.41
ON:	5.05	ON:	-7.93		
OFF:	0.00	OFF:	-0.8		
DELTA:	5.05	DELTA:	-7.13		

**REPAIRS MADE**

Test Box: \_\_\_\_\_  
 Terminal Board: \_\_\_\_\_  
 Wires: \_\_\_\_\_  
 Other: \_\_\_\_\_

Additional Comments/Recommendations: The isolation of the casing and the pipe is confirmed here again.



Figure 137 – Location of Test Station 6

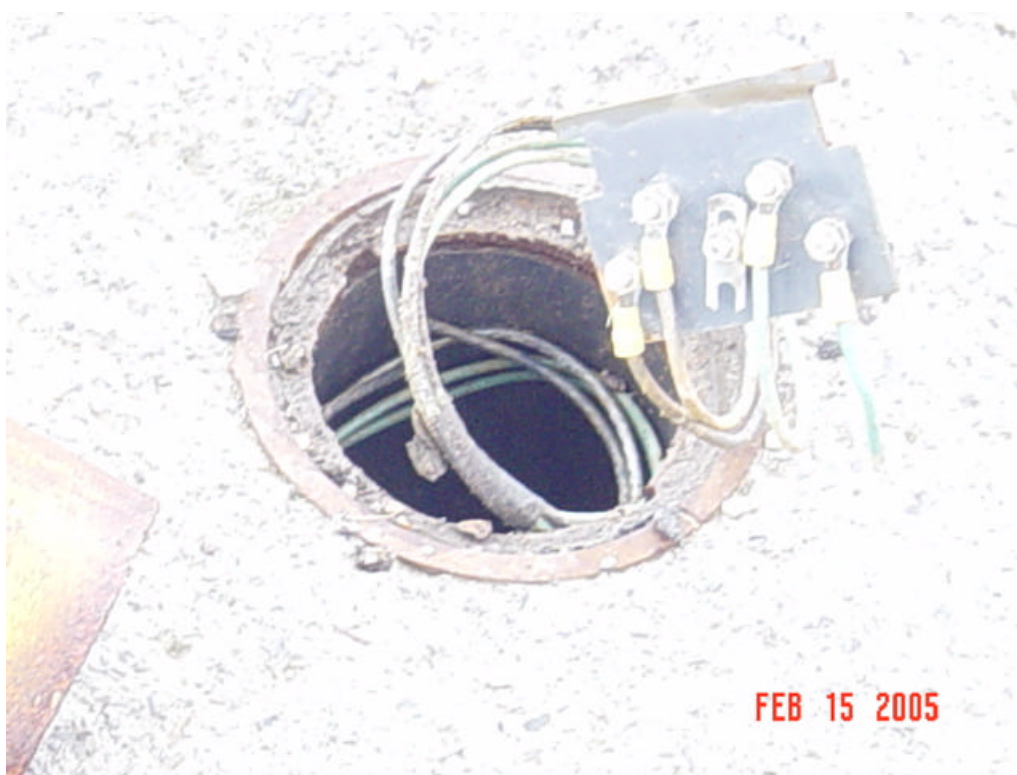


Figure 138 – Test Station 6 close up