

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

Location: 08+77 Date Surveyed: 5/21/2007  
EB MD175 RAMP, 20' S Surveyed by: MJ/DD  
 T/S #: 3725-2 Contract #: 3725  
 T/S Type: CS (CASING) Pipe Size: 30"  
 Was the T/S located? YES / NO YES

**TEST STATION CONDITION**

Test Box:	<u>GOOD</u>
Terminal Board:	<u>GOOD</u>
Wires:	<u>GOOD</u>
Other:	<u>Casing appears to be reasonably isolated from the pipe</u>

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (mV)		P/Zn (mV)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	BLUE	-1124				
2. #10 AWG	WHITE	-667				
3. #10 AWG	BLUE	-1124				
4.						
5. #10 AWG	WHITE	-667				
6.						
7.						
8.						

P/Cu-CuSO<sub>4</sub> = Pipe to Copper-Copper Sulfate Reference Electrode  
 P/Zn = Pipe to Zinc Reference Electrode  
 "On" = Reading with Anode(s) connected  
 "Off" = Reading with Anode(s) disconnected  
 Anode = Current output Anode(s)

**TESTING THE EFFECTIVENESS OF INSULATING JOINTS**

Groundbed:			
Connected to (B/W):			
	Current (A)	Voltage (mV)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

**TESTING IR DROP**

IR Drop Calibrations	I (A)	E (mV)	K = $\frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$	Between Terminals	Resistance (ohms)	
INITIAL:					1 & 2	1122
FINAL:						
DELTA:						

Direction: \_\_\_\_\_

**REPAIRS MADE**

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



**Figure 39 - Location of Test Station 3725-2**



**Figure 40 - Test Station 3725-2 close-up**