

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

Location: 15+19 Date Surveyed: 5/21/2007  
 T/S #: 3725-4 Surveyed by: MJ/DD  
 T/S Type: ST/ANODE Contract #: 3725  
 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:	

**SURVEY DATA**

1.	Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (mV)		P/Zn (mV)		Anode (mA)
			"On"	"Off"	"On"	"Off"	
	#10 AWG	BLUE	-972	-832	-1305	-710	13.5
2.							
3.	#10 AWG	BLUE	-913	-909	-852	-849	
4.	#8 AWG	BLACK	-1340	-1360	-1305	-1304	
5.							
6.	#10 AWG	WHITE	-326	-56			
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:					
FINAL:					
DELTA:					

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

**REPAIRS MADE**

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



Figure 43 - Location of Test Station 3725-4



Figure 44 - Test Station 3725-4 close-up