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

Location:	00+15	**Date Surveyed:**	5/21/2007
	S OF MD175, ON THE ISLAND	**Surveyed by:**	MJ/DD
T/S #:	3725-1	**Contract #:**	3725
T/S Type:	ST/ANODE	**Pipe Size:**	30"
Was the T/S 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-$CuSO_4$ (mV) "On"	P/Cu-$CuSO_4$ (mV) "Off"	P/Zn (mV) "On"	P/Zn (mV) "Off"	Anode (mA)
1. #10 AWG	BLUE	-942	-952	-815	-816	39
2.						
3. #10 AWG	BLUE	-940	-954	-815	-815	
4. #8 AWG	BLACK	-1290	-1290	-1166	-1166	
5.						
6. #10 AWG	WHITE	-122	-122			

P/Cu-$CuSO_4$ = 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)
INITIAL:		
FINAL:		
DELTA:		

K = $\frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$

Direction:

Between Terminals	Resistance (ohms)

REPAIRS MADE

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

Figure 37 - Location of Test Station 3725-1

Figure 38 - Test Station 3725-1 close-up