

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

Location: 11+68 Date Surveyed: 5/21/2007
 WB RAMP TO SNOWDEN Surveyed by: MJ/DD
 T/S #: 3725-3 Contract #: 3725
 T/S Type: CS/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)		P/Zn (mV)		Anode (mA)
			"On"	"Off"	"On"	"Off"	
1.	#10 AWG	BLUE	-1090	-1085	-828	-810	
2.	#10 AWG	WHITE	-630	-628	-320	-367	
3.	#10 AWG	BLUE	-1086	-1085	-820	-818	
4.	#8 AWG	BLACK	-1440	-1438	-1173	-1160	
5.	#10 AWG	WHITE	-628	-624	-368	-364	
6.	#10 AWG	YELLOW	-239	-239	-374	52	
7.	#12 AWG	BLACK		-12	-345		
8.	#12 AWG	BLACK					

P/Cu-CuSO₄ = 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:	Isolation test for the casing was conducted at TS#2



Figure 41 - Location of Test Station 3725-3



Figure 42 - Test Station 3725-3 close-up