

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

Location: 01+77 (N) Date Surveyed: 05/30/2007
E. of Rt.29N ramp Surveyed by: AS/MJ
 T/S #: 06 Contract #: 44-3868
 T/S Type: CS w/Anodes Pipe Size: 16"
 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 (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #8 AWG	Black	-1.362	-1.738			60.0
2. #10 AWG	White	-0.667	-0.651			
3. #10 AWG	Black	-0.990	-0.863			
4. #10 AWG	Black	-1.052	-0.852			
5. #10 AWG	White	-0.657	-0.647			
6.						
7.						
8.						

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 (V)	Resistance (ohms)
ON:	0.63	2.45	3.57
OFF:	0.00	0.200	
DELTA:	0.63	2.25	

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:	<u>Casing test confirms the isolation between the casing and the pipe</u>



Figure 84 – Location of Test Station 6 - exit ramp from Johns Hopkins Rd to US Rt 29N



Figure 85 – Test Station 6 close up