

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

Location: 02+71 (N) Date Surveyed: 05/30/2007
W of N Rt.29 ramp Surveyed by: AS/MJ
 T/S #: 07 Contract #: 44-3868
 T/S Type: CS Pipe Size: 16"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box:	Good
Terminal Board:	Good
Wires:	Good
Other:	Check new GPS location

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1.						
2. #10 AWG	Blue		-1.076			
3. #10 AWG	White		-0.621			
4. #10 AWG	White		-0.621			
5. #10 AWG	Black		-1.062			
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:			
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 86 – Location of Test Station 7 - exit ramp from Johns Hopkins Rd to US Rt 29N



Figure 87 – Test Station 7 close up