

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

Location: 19+00 (along FM) Date Surveyed: 5/21/2007
W of MH #10 Surveyed by: MJ/DD
 T/S #: 12GS3 Contract #: 3696
 T/S Type: ST Pipe Size: 12"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box: GOOD, NATURAL OVERGROWTH
 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		-544			
2. #10 AWG	BLUE		-543			
3.						
4.						
5.						
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 (mV)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

TESTING IR DROP

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ Direction: _____	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					

REPAIRS MADE

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



Figure 12 – Location of Test Station 12GS3



Figure 13 - Test Station 12GS3 close-up