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

Location:	03+00 (along FM)	**Date Surveyed:**	5/21/2007
	NW side of MH #3	**Surveyed by:**	MJ/DD
T/S #:	12GS1	**Contract #:**	3696
T/S Type:	ST	**Pipe Size:**	12"
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		-520			
2. #10 AWG	BLUE		-520			
3.						
4.						
5.						
6.						
7.						
8.						

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 8 – Location of Test Station 12GS1

Figure 9 - Test Station 12GS1 close-up