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

Location:	19+70	**Date Surveyed:**	5/21/2007
	EAST SIDE OF WATER VALVE	**Surveyed by:**	MJ/DD
T/S #:	12GS4	**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) "On"	P/Cu-$CuSO_4$ (mV) "Off"	P/Zn (mV) "On"	P/Zn (mV) "Off"	Anode (mA)
1.						
2.						
3. #10 AWG	BLUE		-566			
4.						
5.						
6. #10 AWG	BLUE		-567			
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 14 – Location of Test Station 12GS4

Figure 15 - Test Station 12GS4 close-up