

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

Location: 31+25 Date Surveyed: 5/21/2007  
140' FROM GROVEMONT DR Surveyed by: MJ/DD  
 T/S #: 12FM4 Contract #: 3696  
 T/S Type: ST Pipe Size: 12"  
 Was the T/S located? YES / NO NO

**TEST STATION CONDITION**

<b>Test Box:</b>	_____
<b>Terminal Board:</b>	_____
<b>Wires:</b>	_____
<b>Other:</b>	_____

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (mV)		P/Zn (mV)		Anode (Ma)
		"On"	"Off"	"On"	"Off"	
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

P/Cu-CuSO<sub>4</sub> = 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**

<b>Groundbed:</b> _____			
<b>Connected to (B/W):</b> _____			
	<b>Current (A)</b>	<b>Voltage (mV)</b>	<b>Resistance (ohms)</b>
<b>ON:</b>			
<b>OFF:</b>			
<b>DELTA:</b>			

**TESTING IR DROP**

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

**REPAIRS MADE**

<b>Test Box:</b>	_____
<b>Terminal Board:</b>	_____
<b>Wires:</b>	_____
<b>Other:</b>	_____
<b>Comments/Recommendations:</b>	_____



Figure 23 – Location of Test Station 12FM4