

### Test Station 1 Toll House Road

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CORROSION CONTROL TEST STATION FIELD DATA SURVEY FORM						
Location: <u>(00+00)</u>		Date Surveyed: <u>10/10/2005</u>				
T/S #: <u>1</u>		Surveyed by: <u>MJ/CS</u>				
T/S Type: <u>IJ/Anode</u>		Contract #: <u>44-4227</u>				
		Pipe Size: <u>48"</u>				
Was Test Station located? YES/NO <u>YES</u>						
<b>TEST STATION CONDITION</b>						
Test Box :		<u>Above ground - metal</u>				
Terminal Board :		<u>7 terminal - Good</u>				
Wires :		<u>Good</u>				
Other :		_____				
<b>SURVEY DATA</b>						
Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
A) #2 W. Anodes	Black	-1.323	-1.748	-0.023	-0.718	68
B) #2 E. Anodes	Black	-1.324	-1.744	-0.023	-0.716	46
C) #2 N. Pipe	White	-1.310	-0.759	-0.008	0.260	
D) #2 S. Pipe	Black	-1.188	-0.868	0.112	0.158	
E) #8 Reference	Black	-1.302	-1.032			
F) #8 N. Pipe	White	-1.188	-0.863	0.112	0.162	
G) #8 S. Pipe	Black	-1.285	-0.755	0.016	0.267	
<p>P/Cu-CuSO<sub>4</sub> = Pipe to Copper - Copper Sulfate Reference Cell  P/Zn = Pipe to Zinc Permanent Reference Cell  "On" = Reading with Anode(s) connected  "Off" = Reading with Anode(s) disconnected  I Anode = Current output of anodes</p>						
<b>TESTING THE EFFECTIVENESS OF INSULATING JOINTS</b>						
CURRENT (A)		VOLTAGE (V)		RESISTANCE (ohms): 9.11		
ON: 1.46		ON: 13.26				
OFF: 0.000		OFF: 0.00				
DELTA: 1.46		DELTA: 13.26				
<b>REPAIRS MADE</b>						
Test Box:		_____				
Terminal Board:		_____				
Wires:		_____				
Other:		_____				
Additional Comments/Recommendations:		_____				



Figure 6 – Tests Station 1