

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

Location: 44+63 Date Surveyed: 06/05/2007  
Old Stockbridge Drive Surveyed by: AS/MJ  
 T/S #: 9 Contract #: 44-3327  
 T/S Type: ST w/Anode Pipe Size: 36"  
 Was the T/S located? YES / NO Yes

**TEST STATION CONDITION**

Test Box:	<u>Good</u>
Terminal Board:	<u>Good</u>
Wires:	<u>Good</u>
Other:	

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #6 AWG	Red	-1.583	-1.544	-0.631	-0.605	10.0
2. #10 AWG	Black	-1.323	-1.262	-0.275	-0.374	
3. #10 AWG	Black	-1.520	-1.284	-0.272	-0.375	
4. #10 AWG	Green	-0.954	-0.928			
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**

Groundbed:			
Connected to (B/W):			
	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

**TESTING IR DROP**

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

**REPAIRS MADE**

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



Figure 137 – Location of Test Station 9



Figure 138 – Test Station 9 close up