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

Location:	42+00	**Date Surveyed:**	06/05/2007
	Branch Wood & Falling Leaves	**Surveyed by:**	AS/MJ
T/S #:	8	**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:	Good
Terminal Board:	Good
Wires:	Good
Other:	

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-$CuSO_4$ (V) "On"	P/Cu-$CuSO_4$ (V) "Off"	P/Zn (V) "On"	P/Zn (V) "Off"	Anode (mA)
1. #6 AWG	Red	-1.536	-1.740	-0.427	-0.678	29.0
2.						
3. #10 AWG	Black	-1.537	-1.318	-0.242	-0.280	
4. #10 AWG	Green	-1.155	-1.004			
5.						
6. #10 AWG	Black	-1.531	-1.306	-0.401	-0.283	
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 (V)	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 135 – Location of Test Station 8

Figure 136 – Test Station 8 close up