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

Location:	10+50	**Date Surveyed:**	06/01/2007
		Surveyed by:	AS/MJ
T/S #:	3	**Contract #:**	44-3327
T/S Type:	IR	**Pipe Size:**	36"

Was the T/S located? YES / NO

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. #10 AWG	Red	-1.520	-1.635	-0.436	-0.570	10.1
2. #10 AWG	Black	-1.482	-1.475	-0.431	-0.408	
3. #8 AWG	Orange	-1.483	-1.482	-0.435	-0.405	
4. #10 AWG	Green	-1.066	-1.081			
5.						
6. #12 AWG	Orange	-1.474	-1.083	-0.430	-0.407	
7. #6 AWG	Black	-1.491	-1.084	-0.426	-0.210	
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:	0	0
FINAL:	0.8	5.1
DELTA:	-0.8	-5.1

K = **ΔI (mA)** / **ΔE (mV)** = 0.16
Direction: Orange-Black

Between Terminals	Resistance (ohms)

REPAIRS MADE

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

Figure 125 – Location of Test Station 3

Figure 126 – Test Station 3 close up