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

Location:	63+00	**Date Surveyed:**	06/05/2007
	E. of Old Stockbridge & Old field	**Surveyed by:**	AS/MJ
T/S #:	13	**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:	Water inside
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. #8 AWG	Red	-1.325	-1.665	-0.306	-0.623	48.5
2.						
3. #10 AWG	Black	-1.387	-1.190	-0.307	-0.139	
4. #10 AWG	Green	-1.082	-1.058			
5.						
6. #10 AWG	Black	-1.357	-1.217	-0.303	-0.133	
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 145 – Location of Test Station 13

Figure 146 – Test Station 13 close up