

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

Location: 90+57 Date Surveyed: 06/07/2007
5852 Deer Ridge Lane Surveyed by: AS/MJ
 T/S #: 28 Contract #: 44-3327
 T/S Type: IJ Pipe Size: 36"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box:	Covered with grass
Terminal Board:	Good
Wires:	Good
Other:	

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1.						
2.						
3. #10 AWG	Black		-1.265			
4. #10 AWG	Green		-1.036			
5. #10 AWG	Green		-0.617			
6. #10 AWG	Black		-1.275			
7. #10 AWG	Green		-0.616			
8.						

P/Cu-CuSO₄ = 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:	1.33	11.14	7.88
OFF:	0	0.66	
DELTA:	1.33	10.48	

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:	Cleared the grass covering the test box
Terminal Board:	
Wires:	
Other:	
Comments/Recommendations:	IJ appears to be functioning properly.



Figure 167 – Location of Test Station 28



Figure 168 – Test Station 28 close up