

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

Location: 90+57 **Date Surveyed:** 2/23/2005
5852 Deer Ridge Lane **Surveyed by:** AC/MJ
T/S #: 28 **Contract #:** 44-3327
T/S Type: IJ **Pipe Size:** 36"

Was Test Station 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)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1)						
2)						
3) #10 AWG	Black	-1.508				
4) #10 AWG	Green	-1.063				
5) #10 AWG	Green	-0.696				
6) #10 AWG	Black	-1.475				
7) #10 AWG	Green	-0.696				

P/Cu-CuSO₄ = Pipe to Copper - Copper Sulfate Reference Cell
P/Zn = Pipe to Zinc Permanent Reference Cell
"On" = Reading with Anode(s) connected
"Off" = Reading with Anode(s) disconnected
I Anode = Current output of anodes

TESTING THE EFFECTIVENESS OF INSULATING JOINTS / PIPE CASING

GROUND BED:
CONNECTED TO (B/W):

CURRENT (A) **VOLTAGE (V)** **RESISTANCE (ohms):** 8.98

ON: 1.28 **ON:** -10.8

OFF: 0.00 **OFF:** 0.7

DELTA: 1.28 **DELTA:** -11.5

REPAIRS MADE

Test Box: _____
Terminal Board: _____
Wires: _____
Other: _____
Additional Comments/Recommendations: Insulating joint test indicates that the two pipes electrically isolated from each other.



Figure 177 – Location of Test Station 28



Figure 178 – Test Station 28 close up