

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

Location: 08+77 Date Surveyed: 4/6/2005
S. of 175 Surveyed by: AC/MJ
T/S #: 3725-2 Contract #: 24-3725
T/S Type: CS Pipe Size: 30"

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) #10 AWG	Blue	-1.296				
2) #10 AWG	White	-0.069				
3) #10 AWG	Blue	-1.295				
4)						
5) #10 AWG	White	-0.690				
6)						
7)						

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

GROUND BED:
CONNECTED TO (B/W):

CURRENT (A)	VOLTAGE (V)	RESISTANCE (ohms):
ON:	ON:	
OFF:	OFF:	
DELTA:	DELTA:	

REPAIRS MADE

Test Box: _____
Terminal Board: _____
Wires: _____
Other: _____
Additional Comments/Recommendations: Casing isolation test was performed on 175C



Figure 47 - Location of Test Station 3725-2



Figure 48 - Test Station 3725-2 close-up