

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

Location: Lincoln Dr. & Cedar Ave. **Date Surveyed:** 3/22/2005
T/S #: 02 **Surveyed by:** AC/MJ
T/S Type: IJ **Contract #:** 24-3811
Pipe Size: 8"

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	Blue	-0.947	-0.803	-0.909	-0.803	113.0
2) #8	Black	-0.370	-0.020			
3) #10	Blue	-0.941	-0.802	-0.906	-0.803	
4) #6	Black	-0.951	-1.684	-0.913	-1.703	
5) #10	White	-0.730	-0.638	-0.695	-0.637	
6)						
7) #10	White	-0.730	-0.639	-0.695	-0.638	

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):	1.38
ON:	7.1	ON:	-9.6		
OFF:	0	OFF:	0.16		
DELTA:	7.1	DELTA:	-9.76		

REPAIRS MADE

Test Box: _____
Terminal Board: _____
Wires: _____
Other: _____
Additional Comments/Recommendations: IJ test confirms the electrical isolation between the two pipeline sections.



Figure 199 - Location of Test Station 3811-2



Figure 200 - Test Station 3811-2 close-up