

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

Location: Donald Ave & Cedar Ave. **Date Surveyed:** 3/30/2005
T/S #: 09 **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	Yellow		-0.080			
2)						
3) #10	Blue		-1.035		-0.948	
4)						
5) #10	White		-0.791		-0.704	
6) #10	Blue		-1.034		-0.945	
7) #10	White		-0.791		-0.704	

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):	2.30
ON:	0.1	ON:	0		
OFF:	0	OFF:	-0.23		
DELTA:	0.1	DELTA:	0.23		

REPAIRS MADE

Test Box: _____

Terminal Board: _____

Wires: _____

Other: _____

Additional Comments/Recommendations: IJ test confirms the electrical isolation between the two pipeline sections.



Figure 212 - Location of Test Station 3811-9



Figure 213 - Test Station 3811-9 close-up