

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

Location: 00+00 Date Surveyed: 3/18/2005
Hammond Parkway Surveyed by: AC/MJ
 T/S #: 01 Contract #: 44-3868
 T/S Type: IJ w/ Anodes Pipe Size: 16"

Was Test Station located? YES/NO Yes

TEST STATION CONDITION

Test Box : Good
 Terminal Board : Good
 Wires : #5 Broken
 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	-0.828	-0.625			
2) #6	Black	-1.259	-1.654			
3)						
4) #10	Blue	-1.257	-0.901			
5) Broken						
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 / PIPE CASING

GROUND BED:
 CONNECTED TO (B/W):

CURRENT	(A)	VOLTAGE	(V)	RESISTANCE (ohms):	2.31
ON:	-0.08	ON:	0		
OFF:	0	OFF:	0.19		
DELTA:	-0.08	DELTA:	-0.19		

REPAIRS MADE

Test Box: _____
 Terminal Board: _____
 Wires: _____
 Other: _____
 Additional Comments/Recommendations: #5 wire is unrepairable



Figure 86 – Location of Test Station 1 - Hammond Parkway & Johns Hopkins Road



Figure 87 - Test Station 1 close up