

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

Cap Proj No : W – 8156
 Contract # : 44-3231
 Location : 5' S of MD 108/32 bridge
 T/S Type : IJ
 T/S Number :
 Block Number :

Date Surveyed : 7/14/95
 Surveyed by : TJG/MBS
 Pipe Type : DIP/Steel
 Pipe Size : 12"
 ADC Map # : HC/14/E7
 Tax Map Number :

TEST STATION CONDITION

Test Box : Not installed as of 7/14/95
Terminal Board : Not installed as of 7/14/95
Wires: Good
Other: Concrete Pad: Not installed as of 7/14/95

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CUSO4 (volts)		P/Perm. Cu-CuSO4 (volts)		I anode (mA)
		"On"	"Off"	"On"	"Off"	
1-#10AWG	GREEN		-806		-.706	
2-#10AWG	GREEN		-806		-.706	
3-#10AWG	BLACK		-1.418		-1.262	
4-#10AWG	BLACK		-1.417		-1.262	
5-#12AWG	BLACK		-807		-.707	
6-#14AWG	BLACK		-.043			

P/Cu-CUSO4 (volts) = Pipe to Copper-Copper Sulphate Reference Cell
 P/Perm. Cu-CuSO4 = Pipe to Permanent Copper-Copper Sulphate Reference Cell
 "ON" = Reading with Anode(s) Connected
 "OFF" = Reading with Anode(s) Disconnected
 I anode = Current Output of Anodes

IRDrop Calibration

$$K = \frac{\text{Delta } I \text{ (A)}}{\text{Delta } E \text{ (mv)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Direction:

REPAIRS MADE

Test Box:

Wires:

Board:

Other:

Comments: Resistances: 1-2 R = 0.3 ohm; 3-4 R = 0.3 ohm; 1 - 3, 2 - 4 R = 875 ohm



Photo 17. Test Station South of MD 108 Overpass



Photo 18. Test Station South of MD 108 Overpass - Test Wires