

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

Cap Proj No : W – 8156
 Contract # : 44-3231
 Location : 5' N 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 # :
 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		-.614		-.537	
2 - #10AWG	GREEN		-.614		-.537	
3 - #10AWG	BLACK		-1.400		-1.326	
4 - #10AWG	BLACK		-1.399		-1.326	
5 - #12AWG	BLACK		-.801		-.718	
6 - #14AWG	BLACK		-.078			

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

$$K = \frac{\Delta 1 \text{ (A)}}{\Delta E \text{ (mv)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Direction:

REPAIRS MADE

Test Box:

Wires:

Board:

Other:

Comments: Resistances: 1-2 R =0.1 ohm; 3-4R=0.1ohm; 1-3, 2-4 R = 1200 ohm



Photo 15. Test Station North of MD108 Overpass



Photo 16. Test Station North of MD 108 Overpass - Test Wires