

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

Cap Proj No : W-8169  
Contract # : 44-3327  
Location : MD Route 108  
T/S Type : IR/Anode  
T/S Number : 03  
Block Number : G09

Date Surveyed : 10/10/96  
Surveyed by : R. Waldner/N. Powe  
Pipe Type : Ductile Iron  
Pipe Size : 36"  
ADC Map # : 16  
Tax Map Number :

TEST STATION CONDITION

Test Box : Not present  
Terminal Board : Not present  
Wires : Good  
Other : No concrete pad

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO4 (volts)		P/Zn (volts)		I anode (mA)
		"On"	"Off"	"On"	"Off"	
#8	Orange	-1.264	-1.114	-.147	.040	
#10 (Anode)	Red	-1.264	-1.748	-.155	-.578	35.000
#10	Black	-1.267	-1.125	-.147	.048	
#12	Orange	-1.265	-1.122	-.150	.043	
#12 (Zn)	Green	-1.111	-1.169			
#8	Black	-1.266	-1.128	-.156	.044	
#10 (Anode)	Red	-1.766	-1.730	-.653	-.559	

P/Cu-CuSO4 = Pipe to Copper-Copper Sulphate 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

IR Drop Calibration

$$K = \frac{\Delta I \text{ (A)}}{\Delta E \text{ (mV)}} = \frac{1.95}{4.78} = 0.41$$

Direction : Orange to Black

REPAIRS MADE

Test Box: N/A  
Wires: N/A  
Board: N/A  
Other: N/A  
Comments: None