

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

Cap Proj No : W-8169  
 Contract # : 44-3327  
 Location : Old Stockbridge Rd  
 T/S Type : IR/Anode  
 T/S Number : 10  
 Block Number : H08  
 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 : CP Flush Mounted; Not to grade; water inside test station  
 Terminal Board : Not present  
 Wires : #10 Black wire appears to be disconnected  
 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	-1.251	-1.056	-.171	.119	
#10 (Anode)	Red	-1.257	-1.728	-.176	-.557	44.000
#10	Black	-.180	-.197	.890	.971	
#12	Orange	-1.252	-1.054	-.173	.119	
#12 (Zn)	Green	-1.073	-1.170			
#8	Black	-1.257	-1.056	-.181	.117	
#10	Red	-1.260	-1.728	-.176	-.557	

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

$$K = \frac{\text{Delta I (A)}}{\text{Delta E (mV)}} = \frac{2.40}{277.00} = 0.01$$

Direction : Orange to Black

REPAIRS MADE

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