

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

Cap Proj No : W-8203
Contract # : 44-3480
Location : Marriottsville Rd near TRANSCO Gas Line
T/S Type : ST
T/S Number : 02
Block Number : A01
Date Surveyed : 02/21/97
Surveyed by : N. Powe/D. Stewart
Pipe Type : Steel Casing
Pipe Size : 12"
ADCMap # : 11
Tax Map Number :

TEST STATION CONDITION

Test Box : No Test Box
Terminal Board : No Board
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"	
#10	Black		-.623			
#10	Black		-.618			

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

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

Direction :

REPAIRS MADE

Test Box: N/A
Wires: N/A
Board: N/A
Other: N/A
Comments: Located at 88+00.



Figure D - 3. Test Station No. 02



Figure D - 4. Close-up of Test Station No. 02