

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

Location: (15+19) Date Surveyed: 8/15/02  
 T/S #: 175D Surveyed by: DD/MJ  
 T/S Type: ST / w Anode Contract #: L6154  
 Pipe Size: 30"

Was Test Station located? YES/NO Yes  
 If NO, then how much time was spent locating? \_\_\_\_\_

**TEST STATION CONDITION**

Test Box : Good  
 Terminal Board : Thin mud film  
 Wires : Good  
 Other : Missing white wire

**SURVEY DATA**

Test Wire Size/Description	Color	P/Cu-CuSO <sub>4</sub> (V)		P/Cu-CuSo <sub>4</sub> (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10 AWG	Blue	-1.113	-1.080	-1.435	-1.119	74
2)						
3) #10 AWG	Blue	-1.114	-1.080	-1.434	-1.119	
4) #8	Black	-1.117	-1.518	-1.436	-1.565	
5)						
6) #10 AWG	White	0.287	29.5			
7)						
8)						

P/Cu-CuSO<sub>4</sub> = Pipe to Copper - Copper Sulfate Reference Cell  
 P/Cu-CuSO<sub>4</sub> = Pipe to CuCuSO<sub>4</sub> Permanent Reference Cell  
 "On" = Reading with Anode(s) connected  
 "Off" = Reading with Anode(s) disconnected  
 I Anode = Current output of anodes

IR Drop Calibrations	I (Amps)	E (mV)
Initial		
Final		
Delta		

K =          ? I (mA)  
                    ? E (mV)

Direction; \_\_\_\_\_

Between Terminals	Resistance (Ohms)

**REPAIRS MADE**

Test Box: \_\_\_\_\_  
 Terminal Board: \_\_\_\_\_  
 Wires: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Additional Comments/Recommendations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**Figure 65 - Test station 175D**



**Figure 66 - Test station 175D, close-up**