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

Location:	49+84	**Date Surveyed:**	2/16/2005
	Old Stockbridge & Village Dr.	**Surveyed by:**	AC/MJ
T/S #:	10	**Contract #:**	44-3327
T/S Type:	IR w/ Anode	**Pipe Size:**	36"

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

TEST STATION CONDITION

Test Box :	Good
Terminal Board :	Good
Wires :	Good
Other :	

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-$CuSO_4$(V) "On"	P/Cu-$CuSO_4$(V) "Off"	P/Zn (V) "On"	P/Zn (V) "Off"	Anode (mA)
1) #8 AWG	Red	-1.359	-1.648	-0.363	-0.732	21.0
2) #10 AWG	Black	-1.360	-1.346	-0.365	-0.275	
3) #12 AWG	Orange	-1.212	-1.303	-0.248	-0.208	
4) #10 AWG	Green	-0.995	-1.080			
5)						
6) #8 AWG	Orange	-1.384	-1.384	-0.363	-0.274	
7) #8 AWG	Black	-1.369	-1.343	-0.366	-0.274	

P/Cu-$CuSO_4$ = Pipe to Copper - Copper Sulfate 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 Calibrations	I (Amps)	E (mV)
Initial	0	0
Final	0.233	24
Delta	-0.233	-24

K = ? I (mA) / ? E (mV)
K = 0.01
Direction; Orange to Black

Between Terminals	Resistance (Ohms)
2 & 3	0.6
2 & 7	0.3
3 & 7	0.6
3 & 6	8.9
6 & 7	8.0

REPAIRS MADE

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

Figure 145 – Location of Test Station 10

Figure 146 – Test Station 10 close up