

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

Location: 32+50 Date Surveyed: 6/4/02
Old Stockbridge & Tall Trees Ct. Surveyed by: DD/MJ
 T/S #: 7 Contract #: L5267
 T/S Type: ST/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 : CP Flush Mounted - Good
 Terminal Board : NM Series (7 terminal) - Good
 Wires : Good
 Other : Fluctuating Anode Current

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1) #10 AWG	Red	-1.582	-1.712	0.468	0.586	26
2)						
3) #8 AWG	Black	-1.585	-1.501	0.462	0.372	
4) #8 AWG	Green	-1.128	-1.136			
5)						
6)						
7)						

P/Cu-CuSO₄ = 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		
Final		
Delta		

K = $\frac{? I (mA)}{? E (mV)}$
 Direction; _____

Between Terminals	Resistance (Ohms)

REPAIRS MADE

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



Figure 20 - Test Station #7, Old Stockbridge Road & Tall Trees Court



Figure 21 - Test Station #7, close-up