

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

Location: 32+50 Date Surveyed: 06/05/2007
Old Stockbridge and MD 108 Surveyed by: AS/MJ
 T/S #: 7 Contract #: 44-3327
 T/S Type: ST w/Anode Pipe Size: 36"
 Was the T/S located? YES / NO Yes

TEST STATION CONDITION

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

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. 2 x #8 AWG	Red	-1.383	-1.595			17.0
2.						
3. #10 AWG	Green	-1.406	--1.406			
4. #10 AWG	Green	-1.034	-1.093			
5.						
6.						
7.						
8.						

P/Cu-CuSO₄ = Pipe to Copper-Copper Sulfate Reference Electrode
 P/Zn = Pipe to Zinc Reference Electrode
 "On" = Reading with Anode(s) connected
 "Off" = Reading with Anode(s) disconnected
 Anode = Current output Anode(s)

TESTING THE EFFECTIVENESS OF INSULATING JOINTS

Groundbed: _____			
Connected to (B/W): _____			
	Current (A)	Voltage (V)	Resistance (ohms)
ON:			
OFF:			
DELTA:			

TESTING IR DROP

IR Drop Calibrations	I (A)	E (mV)	$K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$	Between Terminals	Resistance (ohms)
INITIAL:					
FINAL:					
DELTA:					
Direction: _____					

REPAIRS MADE

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



Figure 133 – Location of Test Station 7



Figure 134 – Test Station 7 close up