

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

Location: 03+90 Date Surveyed: 5/21/2007
 T/S #: 4153-2 Surveyed by: MJ/DD
 T/S Type: ST/ANODE Contract #: 3725
 Pipe Size: 30"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box:	<u>GOOD</u>
Terminal Board:	<u>GOOD</u>
Wires:	<u>GOOD</u>
Other:	

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (mV)		P/Zn (mV)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1. #10 AWG	BLUE	-1341	-925	-883	-882	62
2. #8 AWG	BLACK	-1353	-1796	-1763	-1764	
3. #10 AWG	YELLOW	-111	-15			
4. #8 AWG	BLACK	-1358	-1789	-1763	-1763	
5. #10 AWG	BLUE	-1353	-918	-884	-886	
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 (mV)	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:	<u>JUST PAST CORNER OF SUPER SILT FENCE BEHIND 8858 WARM GRANITE DR</u>



Figure 50 - Location of Test Station 4153-2



Figure 51 - Test Station 4153-2 close-up