

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

Location: 07+82 Date Surveyed: 5/21/2007
 T/S #: 4153-3 Surveyed by: MJ/DD
 T/S Type: ST/ANODE Contract #: 3725
 Was the T/S located? YES / NO YES Pipe Size: 30"

TEST STATION CONDITION

Test Box: NEEDS REPAIR
 Terminal Board: _____
 Wires: _____
 Other: TEST STATION IS COMPLETELY DAMAGED

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-CuSO ₄ (mV)		P/Zn (mV)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1.						
2.						
3.						
4.						
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 (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: BEHIND 8838 WARM GRANITE DR, EDGE OF LAWN

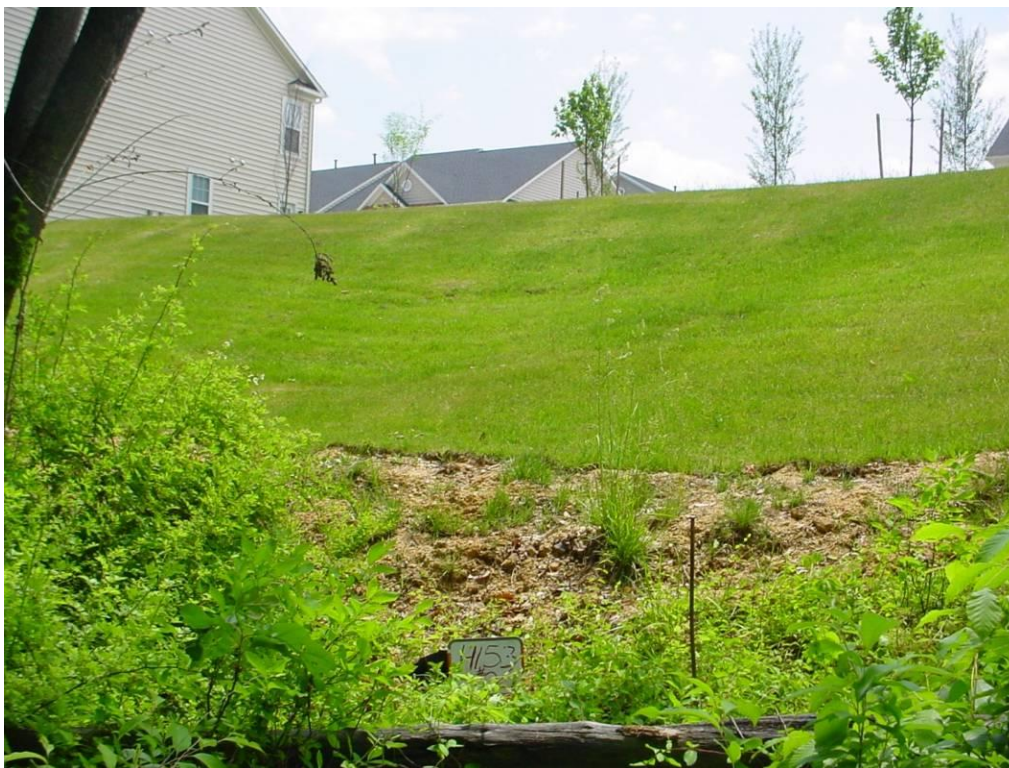


Figure 52 - Location of Test Station 4153-3



Figure 53 - Test Station 4153-3 close-up