

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

Location: 10+82 Date Surveyed: 5/21/2007
 BEHIOND 7168 MILLBURY CT Surveyed by: MJ/DD
 T/S #: 12FM2 Contract #: 3696
 T/S Type: ST Pipe Size: 12"
 Was the T/S located? YES / NO YES

TEST STATION CONDITION

Test Box:	GOOD
Terminal Board:	GOOD
Wires:	GOOD
Other:	DETERIORATING PAD

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		-545			
2. #10 AWG	BLUE		-545			
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:	_____



Figure 20 – Location Test Station 12FM2



Figure 21 - Test Station 12FM2 close-up