

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

Location: 01+24 Date Surveyed: 05/29/2007
Old Columbia Rd Surveyed by: AS/MJ
 T/S #: 3b Contract #: 44-3868
 T/S Type: ST Pipe Size: 16"
 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 (V)		P/Zn (V)		Anode (mA)
		"On"	"Off"	"On"	"Off"	
1.						
2. #8 AWG	Black		-0.032			
3. #10 AWG	Blue		-0.786			
4.						
5. #10 AWG	Blue		-0.787			
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 78 – Location of Test Station 3B - off Old Columbia Road



Figure 79 – Test Station 3B close up