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

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Location:	Cedar Ave. and Donald Ave.			Date Surveyed		06/14/2007		
T/0 "				Surveyed by:		AS/MJ		
T/S #: 09			Contract #:			24-3811		
T/S Type: J			Pipe Size: 8"					
Was the T/S located? YES / NO YES								
TEST STATION CONDITION								
Test Box: Good								
Terminal Board: Good								
Wires:	Goo	d						
Other:								
SURVEY DATA								
Test Wire		P/0		Cu-CuSO ₄ (V)		/Zn (V)	Anode	
Size/Description		Color		"On""Off"		n""Òff"	(mA)	
1. #10	AWG	Yellow		-0.014				
2.								
3. #10	AWG	Blue		-0.908		-0.885		
4.								
5. #10		White		-0.586		-0.561		
6. #10		Blue		-0.910		-0.880		
7. #10	AWG	White		-0.587		-0.560		
8.								
P/Cu-CuSO ₄ = 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:			1.41		0.640		0.22	
OFF:			0.00		0.330			
DELTA:			1.41		0.310			
TESTING IR DROP								
IR Drop						Between	Resistance	
Calibrations		E (ı	mV)		d (mA)	Terminals	(ohms)	
INITIAL				Δ	E (mV)			
FINAL								
DELTA	:			Direction:				
REPAIRS MADE								
Test Box:								
Terminal Board:								
Wires:								
Other:								
Comments/Recommendations: IJ test indicates failure								



Figure 200 - Location of Test Station 3811-9



Figure 201 - Test Station 3811-9 close-up