

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS CORROSION CONTROL TEST STATION FIELD DATA SURVEY FORM							
Location:		<u>07+82</u>			Date Surveyed:		<u>4/11/2005</u>
T/S #:		<u>3</u>			Surveyed by:		<u>AC/MJ</u>
T/S Type:		<u>IJ w/ Anode</u>			Contract #:		<u>44-4153-D</u>
					Pipe Size:		<u>30"</u>
Was Test Station located? YES/NO <u>Yes</u>							
TEST STATION CONDITION							
Test Box :		<u>Good</u>					
Terminal Board :		<u>Good</u>					
Wires :		<u>Good</u>					
Other :		<u></u>					
SURVEY DATA							
Test Wire Size/Description	Color	P/Cu-CuSO ₄ (V)		P/Zn (V)		Anode (mA)	
		"On"	"Off"	"On"	"Off"		
1) #10 AWG	Blue	-1.523	-1.310	-1.310	-1.230	24.0	
2) #8 AWG	Black	-1.509	-1.700	-1.345	-1.585		
3) #10 AWG	Blue	-1.509	-1.362	-1.344	-1.227		
4) #10 AWG	Yellow	-0.067	-0.176				
5) #10 AWG	White	-0.742	-0.725	-0.574	-0.565		
6) #8 AWG	Black	-1.511	-1.735	-1.346	-1.584		
7) #10 AWG	White	-0.742	-0.725	-0.574	-0.564		
P/Cu-CuSO ₄ = Pipe to Copper - Copper Sulfate Reference Cell P/Zn = Pipe to Zinc Permanent Reference Cell "On" = Reading with Anode(s) connected "Off" = Reading with Anode(s) disconnected I Anode = Current output of anodes							
TESTING THE EFFECTIVENESS OF INSULATING JOINTS / PIPE CASING							
GROUNDBED: CONNECTED TO (B/W):							
CURRENT	(A)	VOLTAGE	(V)	RESISTANCE (ohms):		2.63	
ON:	3.9	ON:	-10.5				
OFF:	0.0	OFF:	-0.23				
DELTA:	3.9	DELTA:	-10.3				
REPAIRS MADE							
Test Box:		<u></u>					
Terminal Board:		<u></u>					
Wires:		<u></u>					
Other:		<u></u>					
Additional Comments/Recommendations:		<u>IJ test indicates effective isolation of the two pipes.</u>					
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Figure 63 - Location of Test Station 4153-3



Figure 64 - Test Station 4153-3 close-up