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

			IILLDL	DATA SURVE	I FURIN				
Location:	: 00+05					5/21/	5/21/2007		
E OF 3725-4, N OF MI			D175			MJ/D			
T/S #:	4153-1			Contract #: 415: Pipe Size: 30"					
T/S Type:							<u> </u>		
Was the T/S located? YES / NO			YES	pc cc	•				
TEST STATION CONDITION									
Test Box: GOOD									
Terminal Board: GOOD									
Wires: GOOD									
Other:									
SURVEY DATA									
Test	Wiro				Zn (mV) Anode				
Size/Description		Color			,	"On""Off" (mA)			
1. #8 AWG		Black	-1307	-1645	-12		-1547	4.5	
2. #10 AWG		Blue	-1307	-1199	-12		-1104	1.0	
3. #10 AWG		Blue	-1307	-1199	-12		-1104		
4. #10 AWG		Yellow	-99	-95	12		. 10 '	1	
5. #10 AWG		White	-1112	-1055	-10	10	-960		
6. #8 AWG		Black	-1307	-1044	-12		-1546		
7. #10 AWG		White	-1112	-1055	-10		-960		
8.		777110	1	1000					
P/Cu-CuSO ₄ = Pipe to Copper-Copper Sulfate Reference Electrode P/Zn = Pipe to Zinc Reference Electrode									
"On" = Reading with Anode(s) connected									
			ading with Anode(s) disconnected						
Anode = Current output Anode(s)									
• • • • • • • • • • • • • • • • • • • •									
TESTING THE EFFECTIVENESS OF INSULATING JOINTS									
Groundbed:	- (D/M)-								
Connected t			V 16 (10			Desistance (almos)			
ON	Current (A)		Voltage (mV)				Resistance (ohms)		
ON:			-1380				2.33		
OFF:	0.00		-143						
DELTA:									
TESTING IR DROP									
IR Drop							Between	Resistance	
Calibrations	I (A)) E	(mV)	K =	∆l (m	ıA)	Terminals	(ohms)	
INITIAL:					∆ E (n	nV)			
FINAL:									
DELTA:				Direction:					
REPAIRS MADE									
Test Box:									
Terminal Bo	ard:								
Wires:									
Other:	-								
i Otilei.									
Comments/F	Recommen	dations:							



Figure 48 - Location of Test Station 4153-1



Figure 49 - Test Station 4153-1 close-up