Test Station 3

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

Location: (12+75)
Date Surveyed: 10/10/2005
Surveyed by: MJ/CS
T/S #: 3
Contract #: 44-4227
T/S Type: IJ/Anode
Pipe Size: 48"

Was Test Station located? YES/NO YES

TEST STATION CONDITION

Test Box : Above ground - metal
Terminal Board : 7 terminal - Good
Wires : Good
Other :

SURVEY DATA

Test Wire Size/Description	Color	P/Cu-$CuSO_4$(V) "On"	P/Cu-$CuSO_4$(V) "Off"	P/Zn (V) "On"	P/Zn (V) "Off"	Anode (mA)
A) #2 W. Anodes	Black	-1.491	-1.490	-0.235	-0.229	35
B) #2 E. Anodes	Black	-1.498	-1.499	-0.233	-0.238	40
C) #2 S. IJ	White	-1.017	-1.018	0.244	-0.244	
D) #8 S. IJ	Black	-1.033	-1.033	0.229	0.229	
E) #8 Reference	Black	-1.262	-1.262			
F) #8 N. IJ	White	-1.018	-1.019	0.245	-0.244	
G) #2 E. Anodes	Black	-1.675	-1.669	-0.411	-0.410	35
H) #2 W. Anodes	Black	-1.263	-1.259	0.000	0.000	46
I) #2 N. IJ	Black	-1.034	-1.032	0.229	0.228	

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

CURRENT (A)	VOLTAGE (V)	RESISTANCE (ohms): 8.51
ON: 1.56	ON: 13.28	
OFF: 0.00	OFF: 0.00	
DELTA: 1.56	DELTA: 13.28	

REPAIRS MADE

Test Box:
Terminal Board:
Wires:
Other:
Additional Comments/Recommendations:

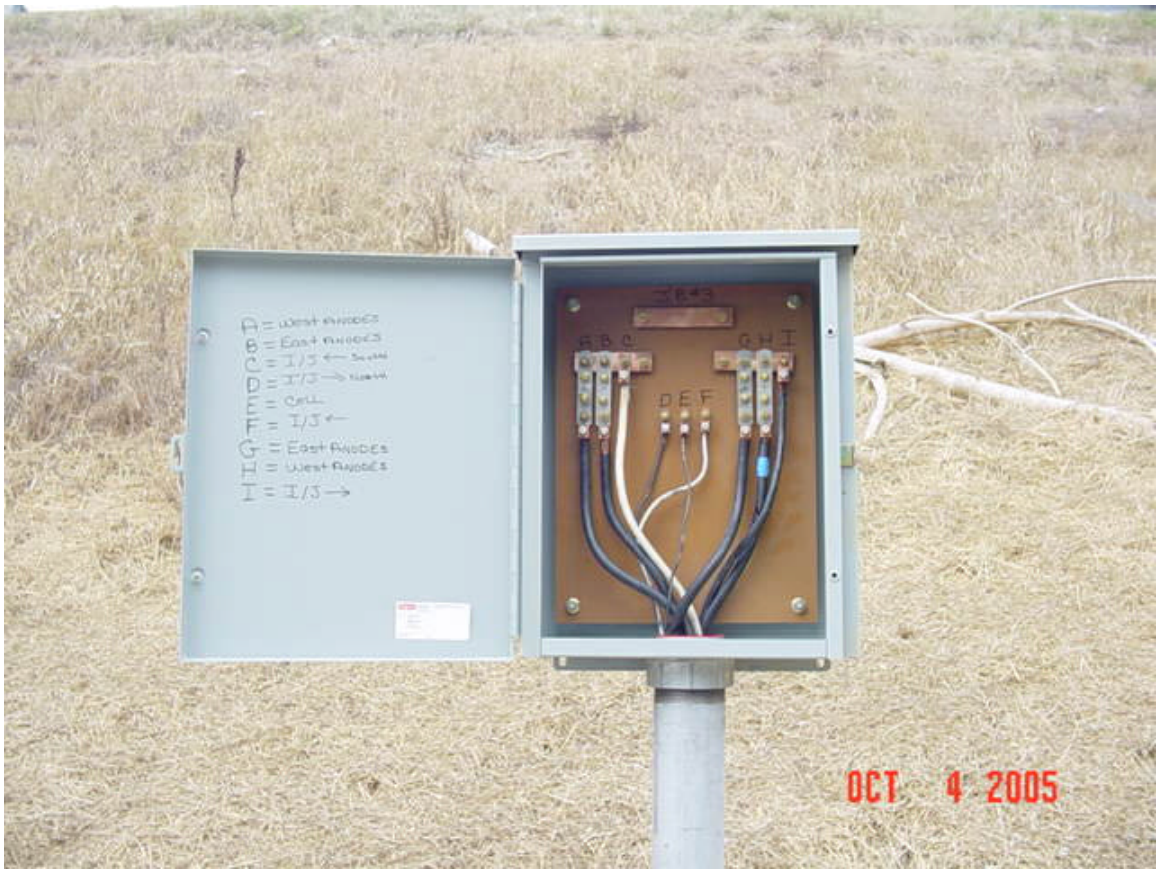

Figure 8 – Test Station 3