## HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS **CORROSION CONTROL TEST STATION** FIELD DATA SURVEY FORM Location: Rt. 144, Next to Gas Line Date Surveyed: 4/13/2005 Surveyed by: AC/MJ T/S #: Contract #: 44-3479 T/S Type: Pipe Size: 12" IJ Was Test Station located? YES/NO Yes **TEST STATION CONDITION** Test Box : No Concrete Pad Terminal Board : No Terminal Board Wires: Good Other: **SURVEY DATA Test Wire** P/Cu-CuSO<sub>4</sub>(V) P/Zn (V) Size/Description "On" "Off" Color "Off" "On" Anode (mA) Blue #10 -0.556 #10 Blue -0.556 3) #10 White -0.056 #1<u>0</u> 4) White -0.058 5) #10 White -0.095 6) 7) P/Cu-CuSO<sub>4</sub> = 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 **VOLTAGE** RESISTANCE (ohms): (A) (V) 199.43 0.03 ON: ON: 1.5 OFF: 0 OFF: 7.48 DELTA: 0.03 DELTA: -5.98 **REPAIRS MADE** Test Box: Terminal Board:

Casing test indicates isolation between the pipe

Wires: Other:

and the casing.

Additional Comments/Recommendations:



Figure 236 - Location of Test Station 3479-1



Figure 237 - Test Station 3479-1 close-up