

**HOWARD COUNTY DEPARTMENT OF PUBLIC
CORROSION CONTROL TEST
FIELD DATA SURVEY**

Location: Old Frederick Road Date Surveyed: 4/13/2005
 T/S #: 01 Surveyed by: AC/MJ
 T/S Type: IJ Contract #: 44-3480
 Pipe Size: 12"

Was Test Station located? YES/NO Yes

TEST STATION CONDITION

Test Box : Good
 Terminal Board : Good
 Wires : Good
 Other : _____

SURVEY DATA

| Test Wire Size/Description | Color | P/Cu-CuSO ₄ (V) | | P/Zn (V) | | Anode (mA) |
|-------------------------------|-------|----------------------------|-------|----------|-------|------------|
| | | "On" | "Off" | "On" | "Off" | |
| 1) #10 | Green | -0.546 | | | | |
| 2) #10 | Green | -1.082 | | | | |
| 3) #10 | Black | -1.110 | | | | |
| 4) #10 | Green | -0.558 | | | | |
| 5) #10 | Black | -0.523 | | | | |
| 6) | | | | | | |
| 7) | | | | | | |

P/Cu-CuSO₄ = 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

GROUND BED:
 CONNECTED TO (B/W):

| | | | | | |
|---------|-----|---------|------|--------------------|------|
| CURRENT | (A) | VOLTAGE | (V) | RESISTANCE (ohms): | 6.85 |
| ON: | 0.2 | ON: | 1.48 | | |
| OFF: | 0 | OFF: | 0.11 | | |
| DELTA: | 0.2 | DELTA: | 1.37 | | |

REPAIRS MADE

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



Figure 224 - Location of Test Station 3480-1



Figure 225 - Test Station 3480-1 close-up