

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

Location: _____ Date Surveyed: 06/05/2007

Meadowbridge Road Surveyed by: AS/MJ
 T/S #: 14 Contract #: 44-3327
 T/S Type: _____ Pipe Size: 36"
 Was the T/S located? YES / NO NO

TEST STATION CONDITION

| | |
|------------------------|-------|
| Test Box: | _____ |
| Terminal Board: | _____ |
| Wires: | _____ |
| Other: | _____ |

SURVEY DATA

| Test Wire Size/Description | Color | P/Cu-CuSO ₄ (V) | | P/Zn (V) | | Anode (mA) |
|-------------------------------|-------|----------------------------|-------|----------|-------|---------------|
| | | "On" | "Off" | "On" | "Off" | |
| 1. | | | | | | |
| 2. | | | | | | |
| 3. | | | | | | |
| 4. | | | | | | |
| 5. | | | | | | |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |

P/Cu-CuSO₄ = Pipe to Copper-Copper Sulfate Reference Electrode
 P/Zn = Pipe to Zinc Reference Electrode
 "On" = Reading with Anode(s) connected
 "Off" = Reading with Anode(s) disconnected
 Anode = Current output Anode(s)

TESTING THE EFFECTIVENESS OF INSULATING JOINTS

| | | | |
|----------------------------------|-------------|-------------|-------------------|
| Groundbed: _____ | | | |
| Connected to (B/W): _____ | | | |
| | Current (A) | Voltage (V) | Resistance (ohms) |
| ON: | | | |
| OFF: | | | |
| DELTA: | | | |

TESTING IR DROP

| | | | | | |
|---------------------------------|--------------|---------------|---|------------------------------|------------------------------|
| IR Drop Calibrations | I (A) | E (mV) | $K = \frac{\Delta I \text{ (mA)}}{\Delta E \text{ (mV)}}$ | Between Terminals | Resistance (ohms) |
| INITIAL: | | | | | |
| FINAL: | | | | | |
| DELTA: | | | | | |
| Direction: _____ | | | | | |

REPAIRS MADE

| | |
|----------------------------------|-------|
| Test Box: | _____ |
| Terminal Board: | _____ |
| Wires: | _____ |
| Other: | _____ |
| Comments/Recommendations: | _____ |



Figure 150 – General area of Test Station 14 (Meadowridge Road) – Not Found