

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

Location: 00+03 Date Surveyed: 5/21/2007
Behind 7180 Millbury Ct Surveyed by: MJ/DD
 T/S #: 8WM1 Contract #: 3696
 T/S Type: ST Pipe Size: 8"
 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 (mV) | | P/Zn (mV) | | 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 (mV) | 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: | <u>BURIED BY LANDSCAPING</u> |



Figure 5– Location of Test Station 8WM1