# FIELD INSPECTION REPORT

Quality Control Form

<table>
<thead>
<tr>
<th>ITP No.:</th>
<th>Inspection Gr.</th>
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<tbody>
<tr>
<td></td>
<td>Report No.</td>
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<td>Date</td>
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## INSPECTION TYPE

**INSPECTION/TEST FOR MAGNESIUM ANODE (HYDRANT, U/G PIPE)**

<table>
<thead>
<tr>
<th>WORK No.</th>
<th>ITEM No.</th>
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<tbody>
<tr>
<td></td>
<td>LOCATION</td>
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## SIGNATURE

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>CONTRACTOR</th>
<th>SUBCONTR</th>
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## INSPECTION NOTICE NO.:

<table>
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<tr>
<th>DRAWING NO(S):</th>
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ACCEPTANCE CRITERIA: AS PER VENDOR PROCEDURE

Tested date:  
Weather:  
Temp. °C

## INPECTION AND TEST REQUIREMENT

<table>
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<tr>
<th>Measurement /Result Data</th>
<th>Remarks</th>
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### 1. Before Installation

1. Before installation measure potential of Magnesium anode w.r.t. portable Cu-CuSO4 Reference Electrode.
   - Measurement: MV
   - Result Data: -

2. Before installation measure the Hydrant/Pipe Natural Potential w.r.t. Cu-CuSO4 Reference Electrode.
   - Measurement: MV
   - Result Data: -

3. Confirm at least 2hr. soaking of Magnesium anode in neat and clean water.
   - Acceptance Criteria: Yes/No
   - Mandatory: Mandatory

4. After completion of 2hr. soaking of Magnesium Anode measure the potential w.r.t. portable Cu-CuSO4 Reference Electrode.
   - Measurement: -
   - Result Data: See Note#1

### 2. Visual Inspection-Installation of Sacrificial Magnesium Anode.

1. Spacing from the metallic Pipe
   - Measurement: M
   - Acceptable Criteria: See Note#2

2. Depth of Installation
   - Measurement: M
   - Acceptable Criteria: See Note#3

3. Confirm satisfactory Installation of Anode Header Cable and connection of Anode lead cable.
   - Acceptance Criteria: Yes/No

4. Confirm proper welding of Negative Connection pad with Pipe (in case of Hydrant) & Cadweld connection (in case other underground pipelines)
   - Acceptance Criteria: Yes/No

5. Confirm Soil Pit has been installed in case of paved area.
   - Acceptance Criteria: Yes/No

### 3. After Installation

- Measure potential of Hydrant / pipe w.r.t. portable Cu-CuSO4 Reference Electrode after installation of Magnesium Anode as per following time interval.

1. Record Potential Immediate after Installation
   - Measurement: mV
   - Acceptable Criteria: See Note#4

2. Record Potential after 24 hr.
   - Measurement: mV
   - Acceptable Criteria: See Note#4

3. Record Potential after 1 week of Installation
   - Measurement: mV
   - Acceptable Criteria: See Note#4

**Note:**

1. Should not have any kind of damage.  
2. Should have full continuity.  
3. Should be 150 mm below the pipe bottom as shown in drawing.  
4. There should not be any continuity between pipe & MMO anode cable.

**REMARKS:**

Legend

NA.: Not Applicable