




**SOUTHWEST GAS CORPORATION**

**ENGINEERING STAFF**

***MATERIAL SPECIFICATION***

*Prepared By:* Engineering Staff 

*Approved By:* Jerome T. Schmitz 

<b>Section No:</b>	MS L-20
<b>Page No.:</b>	1 of 6
<b>Issue Date:</b>	03/01/16
<b>Superseded Date:</b>	01/26/15

**CORROSION CONTROL MATERIALS**

Anode Box, Large, Traffic 1-RT

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**1. SCOPE**

This specification covers the 1-RT Traffic Anode Box. The application is for permanent operating access to maintain impressed current anode ground beds. The assembly consists of a precast concrete body with cast iron lid, which engages an optional 6” or 12” extension.

**2. APPLICABLE DOCUMENTS**

2.1 United States Department of Transportation (DOT), Code of Federal Regulations (CFR), Title 49, Part 192, “Transportation of Natural and Other Gas by Pipeline; Minimum Safety Standards.”

**NOTE:** Unless otherwise specified, the editions of the above documents incorporated by DOT 49 CFR 192 are applicable. Documents not incorporated by DOT 49 CFR 192 will be the most recent edition.

**3. TERMINOLOGY**

3.1 General

3.1.1 “Southwest Gas,” “Southwest” or “SWG” wherever used in this specification and other related documents will refer exclusively to Southwest Gas Corporation.

3.1.2 The terms “approved,” “as approved,” “satisfactory,” “as directed,” “or equal” or other similar terms wherever used in this specification and other related documents will mean “as determined by Southwest Gas,” unless specifically stated otherwise.

3.1.3 “Product Information Package” or “PIP” wherever used in this specification and other related documents will mean the required information that a manufacturer must submit to SWG to determine if the product is suitable for use by SWG, unless specifically stated otherwise.



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#### 4. MATERIALS AND MANUFACTURING

The body shall be pre-cast concrete armored with an integral heavy cast iron ring. The cover shall be deeply ribbed cast iron, suitable for traffic locations. It shall have the word "ANODE" cast into the top of it.

#### 5. PERFORMANCE REQUIREMENTS

To withstand heavy levels of roadway traffic and provide access to anodes.

#### 6. INSPECTION

- 6.1 Successful review of the Product Information Package (PIP), as well as any future reference by SWG to the Seller's part number or internal code number in any future contract or purchase, will mean only that no conflict with the specification was found and will not relieve the Seller from meeting all the requirements of this specification.
- 6.2 SWG retains the option to inspect the manufacture and testing of any and all materials, products or systems supplied to this specification at the manufacturer's facility.
- 6.3 Southwest will have the right, at their option, to reject any material, which fails to conform to this specification. Any such rejection may take place at the manufacturer's facility; the supplier's warehouse or any subsequent delivery location, before or after Southwest assumes possession. Notice of the rejection will be made promptly to the supplier by SWG. The defective product will be replaced or returned for credit at the manufacturer's expense.
- 6.4 Any changes in the manufacturing of previously approved products described in this material specification must be approved by Southwest Engineering Staff. **Failure to obtain SWG's approval may be cause for rejection and disqualification as an approved supplier.**



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**7. CERTIFICATION**

The manufacturer's or supplier's certification shall be furnished to Southwest. This certification shall state that samples representing each lot have been manufactured, tested and inspected in accordance with this specification and that requirements have been met. When requested or specified in the purchase order or contract, a report of test results will be provided.

Upon the request of Southwest, the certification of an independent third party indicating conformance to the specification may be considered at Southwest's expense.

**8. SAFETY DATA SHEETS**

In accordance with law, the Seller will supply Safety Data Sheets for all applicable items supplied under this specification to the following:

- The Receiving Location
- Engineering Staff
- Southwest Gas Corporation  
Corporate Safety  
Mail Station LVA-120  
P.O. Box 98510  
Las Vegas, NV 89193-8510



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**9. PRODUCT MARKING**

- 9.1 All Electrical Test Station Terminal Boxes will be marked with the manufacturer's name or trademark.
- 9.2 The lid will be cast iron with ABS locking mechanism, marked "Test" or "Test Station".

**10. PACKAGING AND PACKAGE MARKING**

- 10.1 All products covered in this specification will be packaged in a manner to prevent damage during transportation and storage.
- 10.2 Length will be indicated in the purchase order.

**11. STOCK CLASS DESCRIPTION**

BOX, ANODE, ROADWAY.

BOX ANODE \_\_\_\_\_ TERMINAL \_\_\_\_\_ INCHES HIGH X \_\_\_\_\_ INCHES WIDTH X \_\_\_\_\_ INCHES DEPTH.