




SOUTHWEST GAS CORPORATION

ENGINEERING STAFF

MATERIAL SPECIFICATION

Section No.:	MS O-9
Page No.:	1 of 12
Issue Date:	03/01/16
Superseded Date:	02/23/15

Prepared By: Engineering Staff 

Approved By: Jerome T. Schmitz 

MISCELLANEOUS

Valve Box, Roadway

1. SCOPE

This specification covers the Roadway Valve Box. The application of the valve box is for permanent operating access from grade to buried valves. The upper and lower sections of the box have a controlled friction engagement which keeps the box at the desired length during installation, but which also allows the box to telescope under external loading so as to prevent transmittal of the external loading to the buried valve and piping.

2. APPLICABLE DOCUMENTS

- 2.1 ASTM International (ASTM) A-48, "Specification for Gray Iron Castings."
- 2.2 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 the specification and any other related documents will mean the required technical product 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 MANUFACTURE

- 4.1 Valve box shall have a full flanged cast iron ring.
- 4.2 Valve box shall have a cast iron traffic lid with the word "GAS" cast in the cover.
- 4.3 Cast iron must conform to ASTM A-48.
- 4.4 Bottom section shall have knock-outs or adaptors to accommodate valves up to 12 inches.

5. PERFORMANCE REQUIREMENTS

- 5.1 Valve box must not impose a load on valves or pipe.
- 5.2 Valve box must be designed to withstand H20-44 Roadway loading.

6. DIMENSIONS AND TOLERANCES

The dimensions and tolerances must be in accordance with Appendix A of this specification.

7. INSPECTION

- 7.1 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.
- 7.2 SWG retains the option to inspect the manufacture and testing of any and all materials, products or systems referenced in this specification that are sold to SWG.
- 7.3 SWG will make appropriate inspections and tests of any and all materials, products or systems supplied to this specification. SWG 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 SWG assumes possession. Notice of 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.




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7. INSPECTION (Cont'd)

7.4 Any changes in the manufacturing of previously approved materials, products or systems described in this material specification for sale to SWG must be approved by SWG's Engineering Staff. **Failure to obtain SWG's approval may be cause for rejection and disqualification as an approved supplier.**

8. CERTIFICATION

The manufacturer's or supplier's certification shall be furnished to SWG. This certification shall state that samples representing each lot have been manufactured, tested, and inspected in accordance with this specification and that all 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.

9. 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:

- 1) The Receiving Location
- 2) Engineering Staff
- 3) Southwest Gas Corporation
Corporate Safety
Mail Station LVA-581
P.O. Box 98510
Las Vegas, NV 89193-8510

10. PRODUCT MARKING

All valve boxes will be marked with the following:

- Manufacturer's name or trademark
- Material designation
- Size





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11. PACKAGING

All products covered in this specification will be packaged in a manner to prevent damage during transportation and storage. Installation instructions will be packaged with each shipment.





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12. STOCK CLASSIFICATION DESCRIPTION

VALVE BOX, ROADWAY, _____ INCH, ABS POLYMER.