
CONSTRUCTION SPECIFICATION
INSTRUCTION FOR USE
CS-I-OR-052 STEEL PIPE

052.1 APPLICABILITY

Construction Specification CS-OR-052 is applicable to the installation of steel pipe conduits.

052.2 MATERIAL SPECIFICATIONS

The following material specifications complement Construction Specification CS-OR-052:

- a) MS-OR-554—Steel Pipe
- b) MS-OR-581—Metal

052.3 INCLUDED ITEMS

Items to be included in contract specifications and drawings follow:

- a) Details of the bedding, including description and grading limits of the bedding material.
- b) Excavation requirements.
- c) Method of backfill selected from Section 052.10 Backfill.
- d) Kind of pipe. Include name, type, grade, finish, weight class, and wall thickness as required. (See appropriate reference specifications.)
- e) Size of pipe.
- f) Length of pipe.
- g) Type of protective lining and coating if required (Refer to AWWA Standard C203, AWWA Standard C209, or AWWA Standard C214 for detailed information). **Note:** In accordance with AWWA C203, field welded pipe 27-inch diameter and larger is large enough to allow entry of personnel to clean the welded surface and apply primer and enamel. Therefore, lined pipe smaller than 27-inch diameter should not be field welded.
- h) Type of joint and details of special joints.
- i) Details of wall fittings and other special fittings and appurtenances.
- j) Watertightness or pressure test requirements, if applicable.

- k) Shop coating of fittings if the vinyl option is specified as described in Section 052.6 Joints and Connections.
- l) Bonding details for cathodic protection, if applicable.
- m) Method of field lining, coating, wrapping, and repair selected from Section 052.7.

052.4 METHODS

052.4.1 SECTION 7, FIELD LINING, COATING, WRAPPING, AND REPAIR

Method 1 — Intended for use when hot-applied linings and/or coatings are required or for repairing hot applied linings and/or coatings.

Method 2 — Intended for use when cold-applied tapes are required for wrapping assembled joints and for repair of hot applied coatings.

Method 3 — Intended for use when the pipe is coated in accordance with AWWA Standard C214.

More than one method may be used, in which case the paragraphs should be linked with the word or and the following paragraph inserted before the last paragraph in the section:

All Methods — The following provisions apply to all methods of field coating, wrapping, and coating repair.

052.4.2 SECTION 10, BACKFILL

The methods are self-explanatory.

052.5 ITEMS OF WORK AND CONSTRUCTION DETAILS

Starting at the top of page 052-7, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.