

## INSTRUCTIONS FOR USE OF CONSTRUCTION SPECIFICATION 52

### STEEL PIPE

#### 1. APPLICABILITY

Construction Specification 52 is applicable to the installation of steel pipe conduits.

#### 2. MATERIAL SPECIFICATIONS

Material Specifications 554 and 581 are complementary to Construction Specification 52.

#### 3. ITEMS TO BE INCLUDED IN CONTRACT SPECIFICATIONS AND DRAWINGS

- a. Details of the bedding, including description and grading limits of the bedding material.
- b. Excavation requirements. If Measurement and Payment Method 1 or 2 is used, a bid item and items of work and construction details for excavation and backfill would normally be covered under Construction Specification 21 and 23. If Measurement and Payment Method 3 or 4 is used, construction details for excavation can either be covered in Section 12, or as a subsidiary item under Construction Specification 21.
- c. Method of backfill selected from Section 10.
- d. Pay limits or actual limits for excavation and backfill, if required.
- e. Kind of pipe. Include name, type, grade, finish, weight class, and wall thickness as required. (See appropriate reference specifications.)
- f. Size of pipe.
- g. Length of pipe.
- h. 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.

- i. Type of joint and details of special joints.
- j. Details of wall fittings and other special fittings and appurtenances.
- k. Watertightness or pressure test requirements, if applicable.
- l. Shop coating of fittings if the vinyl option is specified as discussed in Section 6.

- m. Bonding details for cathodic protection, if applicable.
- n. Method of field lining, coating, wrapping, and repair selected from Section 7.
- o. Method of measurement and payment in Section 11.

#### 4. DISCUSSION OF METHODS

##### a. Section 7, Field Lining, Coating, Wrapping, and Repair

- (1) Method 1 is intended for use when hot-applied linings and/or coatings are required, or for repairing hot applied linings and/or coatings.
- (2) Method 2 is intended for use when cold-applied tapes are required for wrapping assembled joints and for repair of hot applied coatings.
- (3) Method 3 is intended for use when the pipe is coated in accordance with AWWA Standard C214.

##### b. Section 10, Backfill

The methods are self-explanatory.

##### c. Section 11, Measurement and Payment

The methods are self-explanatory.

When specifications are prepared using electronic procedures and all but one method are deleted for use in the contract specification, delete "All Methods The following provisions apply to all methods of measurement and payment." and left justify the remaining text.