
Special Provision to Special Specification 7194

Sanitary Sewer



Special Specification 7194, "Sanitary Sewer" is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 2.1.13 "Steel Casing Pipe" is amended to include the following section:

2.1.13.1. **Split Steel Casing Pipe.** Steel casing pipe must conform to ASTM A134 with a minimum thickness of 3/8 in.; actual thickness will be as shown on the plans.

Ensure each section is split in half sections. Pipe ends and split sections will be beveled and suitable for field butt welding.

Section 3.3 "Pipe Installation," is amended to include the following section:

3.3.9. **Split Steel Casing Pipe.**

Ensure the completed and shaped trench allows for enough space to receive the casing and is wide enough to provide free working space for installing the spacers and casing and backfilling under and around the installed casing.

Hold the split casing in place for welding by using hinges, coupling bands, or any other acceptable method. Use tables, "V" notches, or straps equally spaced to sustain split casing shape.

Perform welds conforming to the requirements of AWWA Standard C206. Provide welds capable of developing the full strength of the pipe throughout the joint and casing split. Ensure welds run along the horizontal plane of the split casing.

Welders appointed to do welding on steel pipe must be certified with 4F and 5G certification. All welds must be sound, free from embedded scale and slag, must have a tensile strength across the weld not less than that of the thinner of the connective sections, and must be water tight. Use butt welds for all welded joints in line-pipe assemblies and in the fabrication of bends and other specials. All welds must be subject to pre-manufacturing inspection and available to the Inspector and Engineer upon request.

Seal the ends of the encasement pipe with approved end seals.

After installation of the split steel casing, clean, prime or paint all ends of pipe adjacent to the welded field joints, including the weld proper.

Section 3.10 "Concrete Encasement, Cradles, Saddles and Collars is voided and replaced with the following:

3.10 **Concrete Encasement, Cradles, Saddles, Collars and Caps.**

3.10.1 **Concrete Encasement.** When concrete encasement is shown on the plans or when directed, the trench is to be excavated and fine graded to a depth conforming to the details and sections shown on the plans. The main must be supported by precast concrete blocks of the same strength as the concrete for encasement and securely tied down to prevent floatation. Encasement must then be placed to a depth and width conforming to the details and sections shown in the contract documents or per the referenced standard drawings.

- 3.10.2 **Concrete Cradles.** When concrete cradles are shown on the plans or when directed, the trench is to be prepared and the pipe supported in the same manner as described in Concrete Cradles, of this section. The cradle must be constructed in accordance with details and sections shown on the plans. Straps and Tie Downs must be No. 4 rebar diameter minimum or better as determined by the Water System Inspector.
- 3.10.3 **Concrete Saddles.** When shown on the plans or when directed, pipe to receive concrete saddle is to be backfilled in accordance with this specification to the spring line and concrete placed for a depth and width conforming to details and sections shown on the plans.
- 3.10.4 **Concrete Collars.** When shown on the plans or when directed, concrete collars are to be constructed in accordance with details and sections shown on the plans.
- 3.10.5 **Concrete Caps.** When shown on the plans or when directed, concrete caps are to be constructed in accordance with details and sections shown on the plans.

Section 5.7 "Steel Casing Installed in Open Cut," is amended to include the following paragraph:

"Split Steel Casing" will be measured by the foot, actually installed in the field, of the various sizes shown on the plans.

Section 5.19 "Concrete Encasement, Cradles, Saddles, and Collars" is voided and replaced with the following:

5.19 **Concrete Encasement, Cradles, Saddles, Collars and Caps**

Concrete encasement, cradles, saddles, collars and caps for pipe will be measured by the cubic yard as dimensioned on the plans or as directed, complete in place. Reinforcing if required will not be measured.

Section 6.7 "Steel Casing Installed in Open Cut," is amended to include the following section:

Split Steel Casing. "Split Steel Casing" installed in open cut trenches will be paid for at the contract unit bid price per foot of pipe of the various sizes installed as shown on the plans. This price will be full compensation for all labor, equipment, materials, tools, selected bedding, excavation, backfill, backfill materials, spacers, end seals, hauling and disposition of surplus excavated materials and all incidentals necessary to complete the work.

Section 6.19 "Concrete Encasement, Cradles, Saddles, and Collars" is voided and replaced with the following:

- 6.19 **Concrete Encasement, Cradles, Saddles, Collars and Caps.** Payment will be made at the unit price bid for "Concrete Encasement," "Concrete Cradles," "Concrete Saddles," "Concrete Collars" and "Concrete Caps" per cubic yard which will be full compensation for all labor, equipment, materials, tools, and incidentals to complete the work.