

PART 308 – PIPE, STEEL

- 308.1 The work under this item shall include furnishing, delivery, placing, and jointing of steel pipe in the trench in specific conformity with the lines and levels given. For AWWA C200 steel pipe, the current edition of the AWWA Manual M11 shall govern the installation, as applicable. The method of bedding shall be as shown on the Standard Details. The Drawings show the plan and grade for the pipeline. The Contractor shall submit detailed drawings to the Engineer for approval, showing his proposed method of laying the pipe to these grades. All pipelines to be crossed shall be located before these drawings are prepared. Fittings or specials included as pipe shall be blocked in accordance with the Standard Details as applicable.
- 308.2 If joints are field-welded, they shall develop the full strength of the pipe. The Contractor shall submit to the Engineer for approval a description of the method of welding which he proposes to use, the name of the individual or company who will do the welding, and a statement regarding the relevant previous experience of such individual or company. Testing shall be in accordance with Section 3.3 of the current edition of ANSI/AWWA C206, Field Welding for Steel Water Pipe. If requested, coupons shall be cut across the field welds and tested by a testing company approved by the Engineer and at the contractor's expense. The line may be welded continuously with provisions for slack in the line, or in sections to be lowered in the trench and connected by a position weld.
- 308.3 If joints are to be mechanically coupled, sections up to 240 feet may be coupled and lowered carefully into the ditch. Electrical continuity shall be provided at all joints. Preparation for, protection of, and repair of pipe coating and lining, and coating of mechanical couplings shall conform to the applicable section of these specifications.
- 308.4 Field replacement of the cement-mortar interior lining shall be in accordance with the current edition of AWWA C602, Cement-Mortar Lining of Water Pipelines in Place – 4 In. (100 mm) and Larger.
- 308.5 Payment: Payment for this item shall be made at the unit price bid per linear foot of pipe of the type specified in the Proposal and placed as shown on the drawings. Total footage shall be the actual horizontal measurement along the centerline of the pipe. No additional payment shall be made for vertical pipe or fittings used with drop manholes, for fittings or specials included as pipe, or for concrete blocking. Payment for any steel pipe designated “restrained joint” shall include cost of all components to restrain joints of pipe.