

ITEM 660.2136--25 - FURNISH AND INSTALL 36 INCH NPS STEEL CASING

1. DESCRIPTION:

- 1.01 Under this item the contractor shall furnish and install steel casing of the size indicated and at the location shown on the plan or as ordered by the Engineer.
- 1.02 The work shall include the installation of the casing pipe, and all extra work for the installation of end seals.

2. MATERIALS:

- 2.01 The casing pipe shall be bar steel casing pipe American Petroleum Institute (API) 5L Grade B seamless, electric welded pipe or approved equal. The pipe wall thickness shall be schedule 40 or as directed by the Engineer. The pipe ends shall be prepared for butt welding and beveled at 37 ½ degrees. Casing spacers shall be as indicated on the plans.

3. CONSTRUCTION DETAILS:

- 3.01 Excavation for the casing pipe shall be in accordance with the NYS Department of Transportation Specifications - Section 206-02, Trench and Culvert Excavation.
- 3.02 Bedding, filling and backfilling shall be in accordance with the NYS Department of Transportation Specifications - Section 203-07, Select Granular Fill.
- 3.03 All casing pipe shall be laid true to line and grade and shall have a full, firm and even bearing.
- 3.04 Movement of construction equipment and all other vehicles and loads over and adjacent to any pipe shall be done at the contractor's risk. When determined by the Engineer, any pipe that is damaged or disturbed through any cause, shall be replaced as directed by the Engineer, at the expense of the contractor and at no cost to the Authority. Welding shall be done by a certified welder. The ends of the casing shall be sealed and made waterproof in a workmanlike manner.

4. METHOD OF MEASUREMENT:

- 4.01 This work will be measured as the number of feet of casing measured along its axis in its final position.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid shall include the cost of furnishing all labor, equipment and materials necessary to complete the work to the satisfaction of the Engineer, including welding, installation of casing, sealing and waterproofing the ends of the casing pipe.
- 5.02 Excavation will be paid for under the appropriate Trench and Culvert Excavation Item in Section 206-02 of the Standard Specifications.
- 5.03 Any special backfill will be paid for under Item 203-07 Selected Granular Fill.
- 5.04 Carrier pipe installation within the casing will be performed by others at a future time.