

CITY OF ODESSA  
STANDARD SPECIFICATIONS

ITEM 102  
OPEN DRAINAGE CHANNEL

102.1      DESCRIPTION

This item shall consist of constructing an open channel, including excavation of channel, removal and proper utilization or disposal of all excavated material, and constructing, shaping and finishing of all earthwork on the entire length of the proposed channel in conformity with the lines, grades and typical cross sections as shown on the plans and in accordance with these specifications.

102.2      CLASSIFICATION

All authorized channel excavation will be “unclassified”.

102.3      CONSTRUCTION METHODS

Channel excavation shall be done according to lines, grades and cross sections as shown on the plans or as required by the Engineer.

Where blasting is necessary during excavation operations, blasting will be done in accordance with Item 2 “Use of Explosives” listed under Special Provisions of City of Odessa Standard Specifications.

Excavated materials will be utilized on this project or disposed of by the Contractor as shown on plans or indicated herein. No separate compensation will be paid for utilizing or disposing of excavated materials, but such operations shall be considered incidental work for this project.

Compaction of channel bottom and side slopes shall be accomplished by using a sheep’s-foot type tamper roller and addition of water to the channel surfaces. Sheep’s-foot roller shall have tamping feet uniformly staggered over its cylindrical surface and tamping feet shall have a face area of 5 to 8 square inches. Tamping feet shall project not less than 7" from the surface of the drum. The total weight of the roller shall be such that the load on each tamping foot shall not be less than 100 pounds per square inch of cross-sectional area of the tamping foot. The roller shall be drawn by suitable crawler type tractor.

Water used for compacting operations may be secured from City of Odessa by Contractor at no cost to him. Contractor will deliver water to job site.

Channel bottom and slope surfaces shall be wetted and rolled throughout the whole length of the channel to secure a smooth finish and uniformly compacted surface.

Final cleanup of the job site will be required before acceptance by the Engineer. Cleanup includes leaving the job site areas smooth and free from surplus materials and trash, repair or replacement of fences, signs, structures, trees, etc., that are damaged or removed, without authorization by the Engineer, during construction operations.

Where channel construction crosses ranch or farm areas, the Contractor will take special precautions to operate equipment over available roads instead of cross-country; to keep all gates closed when not in use; and to preserve existing condition of grass land, crops, etc., along the job site.

#### 102.4 MEASUREMENT AND PAYMENT

Open drainage channel construction shall be measured in place by cross-sections and paid for at the unit bid price per cubic yard or lump sum as shown on proposal, which price shall be full compensation for all labor, equipment, materials, rolling, sprinkling, blading, superintendence and whatever else is necessary to complete the work.