

Section 820

**SECTION 820
FUNNELS AND FUNNEL DRAINS**

820-1 DESCRIPTION

Furnish and install all funnels, pipe, elbows and other materials in accordance with the contract.

820-2 MATERIALS

Refer to Division 10.

Item	Section
Funnel Drain Pipe	1054-2(B)
Funnel Drain Pipe Elbows	1054-2(B)
Funnels	1054-2(A)
Portland Cement Concrete, Class B	1000

Use connector rings with gaskets in accordance with manufacturer's recommendations that are designed to form a properly sealed joint and provide circumferential and longitudinal strength sufficient to preserve the alignment and prevent separation of the sections

820-3 CONSTRUCTION METHODS

Furnish concrete, install and anchor funnel, and place connector ring with gaskets in accordance with the details in the plans and in accordance with manufacturer's recommendations so water will flow freely into it without overflow or leakage. Securely join the funnel drain pipe to the funnel and backfill with sufficient care so that no part of the funnel or funnel drain pipe is displaced or moved out of alignment. Place backfill material in 6" layers and compact to a density comparable to the adjacent undisturbed material.

Construct a temporary construction berm to divert runoff into the funnel until paved ditch, paved berm or curb is constructed.

820-4 MEASUREMENT AND PAYMENT

Metal Funnels will be measured and paid in units of each for the actual number of funnels installed and accepted. No separate payment will be made for the concrete and the connector ring with gaskets as such work will be incidental to *Metal Funnels*.

___" *Funnel Drain Pipe* will be measured and paid as the actual number of linear feet of pipe incorporated into the completed and accepted work. Measurement will be made by counting the number of joints used and multiplying the length of the joint. Where partial joints are used, measurement will be made along the longest length of the partial joint to the nearest 0.1 ft.

___" *Funnel Drain Pipe Elbows* will be measured and paid in units of each for the actual number of elbows installed and accepted.

Such price and payment includes, but is not limited to, metal funnels, funnel drain pipe and elbows, all excavation and backfilling, and construction and maintenance of temporary berms for diversion in accordance with the contract.

Payment will be made under:

Pay Item	Pay Unit
Metal Funnels	Each
___" Funnel Drain Pipe	Linear Foot
___" Funnel Drain Pipe Elbows	Each