

# Design Standards Letter

Letter Number: **G-1992-27**

Letter Date: **12/21/1992**

Effective Date: **12/21/1992**

Section/Plan No.: **None**

Subject: **Revised Job Special Provision - Rock Ditch Liner**

## Body

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Please find enclosed a revised Job Special Provision for Rock Ditch Liner. Section 3.0, Construction Requirements, has been revised as shown on the enclosed copy of the revised special provision. Please void General Letter No. 24, 1992 dated November 23, 1992.

Below is a listing of bid items to be used when Rock Ditch Liner is specified. Erosion Control Geotextile Fabric is to be used only when required. Bedding Material is to be used only under Type 3 and Type 4 Rock Ditch Liner.

## Item

Number	Unit	Type	Item Description
609-60.10	1.0 Cu. Yd.	Type 1	Rock Ditch Liner
609-60.20	1.0 Cu. Yd.	Type 2	Rock Ditch Liner
609-60.30	1.0 Cu. Yd.	Type 3	Rock Ditch Liner
609-60.40	1.0 Cu. Yd.	Type 4	Rock Ditch Liner
609-60.50	1.0 Cu. Yd.		Bedding Material for Rock Ditch Liner
611-70.20	1.0 Sq. Yd.		Erosion Control Geotextile

The bid item for Type 1, 2, 3 and 4 Rock Ditch Liner and Bedding Material for Rock Ditch Liner are new bid items. The job special provision will be put on tape in the headquarters division. The district should call for it to be inserted in the job special provisions by the headquarters division when the district submits project job special provisions.

vji/kd

## JOB SPECIAL PROVISION ROCK DITCH LINER

1.0 Description. This work shall consist of construction rock ditch liner at the locations shown on the plans or as directed by the engineer.

**2.0 Materials.** The material for rock ditch liner shall consist of a predominantly one sized, durable stone, shot rock or broken concrete. Type 1 Rock Ditch Liner shall consist of material with a predominant rock size of 3 inches, a maximum rock size of 6 inches and minimum such that no more than 15 percent will be less than 1 inch. Type 2 Rock Ditch Liner shall consist of material with a predominant rock size of 6 inches, a maximum rock size of 10 inches and a minimum such that no more than 15 percent will be less than 3 inches. Type 3 Rock Ditch Liner shall consist of material with a predominant rock size of 12 inches, a maximum rock size of 20 inches and a minimum such that no more than 15 percent will be less than 4 inches. Type 4 Rock Ditch Liner shall consist of material with a predominant rock size of 19 inches, a maximum rock size of 28 inches and a minimum such that no more than 15 percent will be less than 6 inches. Acceptance by the engineer may be made by visual inspection. Bedding material shall be used under Type 3 and Type 4 Rock Liner. Bedding material shall consist of crushed stone or gravel with a gradation consisting of 100 percent passing the 3 inch screen, 30 to 70 percent passing the 1 1/2 inch screen and 0 to 15 percent passing the Number 4 screen.

**3.0 Construction Requirements.**

**3.1** Rock ditch liner shall be placed to the approximate shape and thickness shown on the plans for the specified ditch or as directed by the engineer. The rock shall be dumped on a subgrade of reasonably uniform density and left in a rough condition meeting the approval of the engineer.

**4.0 Method of Measurement.** Rock ditch liner and bedding material will each be measured to the nearest cubic yard of material.

**5.0 Basis of Payment.** The accepted quantity of rock ditch liner, complete in place, will be paid for at the contract unit price. No direct payment will be made for excavation

below the upper surface of the rock ditch liner, nor for any work necessary for preparing the subgrade and backfilling the completed item. The accepted quantity of bedding material, complete in place, will be paid for at the contract unit price. No direct payment will be made for excavation or for any work necessary for preparing the subgrade for the bedding material.