

# Design Standards Letter

Letter Number: **G-1992-24**

Letter Date: **11/23/1992**

Effective Date: **11/23/1992**

Section/Plan No.: **P609.60**

Subject: **Job Special Provisions for Rock Ditch Liner**

Body

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Please find attached job special provisions for use on projects when Rock Ditch Liner is specified. Standard Drawing 609.60C has been revised to reflect the new special provision. Section 9-04.3(3) of the Design Manual has also been revised accordingly.

The enclosed job special provision is to be effective with any projects using the Revised Standard Drawing 609.60C beginning with the March, 1993 letting.

vji/kd

Press PF1 to view the Special Provisions.

## ROCK DITCH LINER

**1.0 Description.** This work shall consist of constructing 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 a 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 by dumping and left in a rough condition to the approximate shape of the specified ditch or as directed by the engineer.**

**3.2 The rock ditch liner shall be placed to the shape and thickness shown on the plans on a subgrade of reasonably uniform density.**

**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.**