



GUANELLA PASS ROAD

High Priority Fill Wall Option Dry-Stack Stone Facing Retaining Wall

Description:

Retaining wall will be built of either concrete or mechanically stabilized earth (MSE) and faced with full width natural stone. The natural stone will be stacked with mortar and tied to concrete or MSE retaining walls face.

Approximate Cost:

\$350.00 to \$450.00 a square meter (\$32.53 to \$41.82 square foot).

Advantages

- ◆ Appearance similar to historic dry stack walls.
- ◆ Wall will be made from natural stone.

Disadvantages

- ◆ Maintenance cost to repair the dry stack walls will be high.
- ◆ High cost of full width natural stone facing construction.
- ◆ Creating a foundation strong and large enough to carry the weight of the natural stone for the wall will lead to additional cost and larger wall footprint.
- ◆ Possibility of stone delaminating/loosening by years of weather, weight and larger joints.
- ◆ The thickness of fill walls faced with real stone will become overly large based on the irregular size and shape of natural stone.
- ◆ Difficulty in finding enough stone in quantity and color to face the walls.
- ◆ Cannot be used to face traffic on guardwalls.

