

161.1

If the survival rate is less than 85 percent, but greater than 75 percent, and fail spots do not exceed 0.25 acre (0.1 ha), the affected area will be measured for payment at half the Contract price unless the Contractor replants the deficient area to meet the requirements for full growth and coverage.

Areas that do not meet the minimum 75 percent requirement shall be replanted in full at the Contractor's expense. All replanting shall be done within the allowable planting season for pine seedlings as shown in Subsection 160.2, "Planting Table".

Section 161—Control of Soil Erosion and Sedimentation

161.1 General Description

Specifications for this work will be included elsewhere in the Contract.

Section 162—Erosion Control Check Dams

162.1 General Description

This work includes furnishing, constructing, and maintaining erosion control check dams.

162.1.01 Definitions

General Provisions 101 through 150.

162.1.02 Related References

A. Standard Specifications

Section 810—Roadway Materials

B. Referenced Documents

General Provisions 101 through 150.

162.1.03 Submittals

General Provisions 101 through 150.

162.2 Materials

A. Erosion Control Materials

Use these materials as needed to control erosion on check dams:

1. Where required, use any commercial type of woven wire minimum 14 ½ gauge.
2. Obtain other materials such as logs, brush, stakes, etc., from the Right-of-Way where available.
3. Place Number 57 stone, where required, at the location and depth indicated on the Plans.
4. Ensure that material in the earth dams meets the requirements of Subsection 810.2.01.A.1, "Classes" for Class II soils.

162.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

162.3 Construction Requirements

162.3.01 Personnel

General Provisions 101 through 150.

162.3.02 Equipment

General Provisions 101 through 150.

162.3.03 Preparation

General Provisions 101 through 150.

162.3.04 Fabrication

General Provisions 101 through 150.

162.3.05 Construction

A. Check Dam Construction

Construct check dams as follows:

1. Construct check dams before roadway clearing, grubbing, or grading is done in the affected drainage area. Construct according to the Plans.
2. Remove the trees, logs, brush, etc., within the Right-of-Way and the affected area that may be used to construct the check dams. Do not disturb other natural ground cover.

NOTE: Use only rubber-tired equipment to work in the affected drainage area until after the check dam is in place and completed.

3. Obtain the embankment material for the earth dams from outside the area draining into the protected pond or stream.
4. Immediately after completing the earthwork on the earth dams, place a layer of Number 57 stone on the downstream side of the dam. Immediately grass the remaining portions (top and upstream slopes) of the earth dams.
5. Immediately after grading, grass or stabilize with straw mulch roadway cut and fill slopes that drain toward the check dam drainage area.
6. Leave check dams in place after construction is complete unless otherwise directed by the Engineer.

162.3.06 Quality Acceptance

General Provisions 101 through 150.

162.3.07 Contractor Warranty and Maintenance

Repair the check dams as needed during the life of the Contract.

The estimated number of check dams required is shown on the Plans. Additional check dams may be necessary and shall be constructed when directed by the Engineer.

162.4 Measurement

The number of erosion control check dams measured for the payment is the actual number completed and accepted.

162.4.01 Limits

General Provisions 101 through 150.

162.5 Payment

Erosion control check dams, as measured in Subsection 162.4, “Measurement,” are paid for at the Contract Unit Price. Payment is full compensation for:

- Earth dam construction and compaction
- Required grassing, mulching, and Number 57 stone
- Log dams and dissipaters
- Removal if ordered by the Engineer

Payment for this Item is made as follows:

- 75 percent of the Contract Price is paid when each erosion control check dam is complete in place.
- 25 percent is paid when the Engineer instructs the Contractor that the check dam is no longer required but will remain in place or be removed, whichever applies.

NOTE: Temporary devices will be left in place at the Engineer’s discretion without a change in cost.

Payment will be made under:

Item No. 162	Erosion control check dam—type__	Per each
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162.5.01 Adjustments

General Provisions 101 through 150.