

SECTION 260 EARTH DIKE

260.01 Description. This work consists of constructing, maintaining, and ultimately removing temporary earth dikes Types A-1, A-2, A-3, B-1, B-2, and B-3 of compacted soil as a temporary measure to prevent clean runoff from entering disturbed areas by intercepting and diverting it to a stabilized outlet or to intercept sediment-laden runoff and divert it to a sediment trapping device. The types of earth dikes shall be constructed as shown on Standard Construction Detail, Earth Dike, at the locations shown on the Plans, and as directed by the Engineer.

MATERIALS.

260.02 General. The Engineer may approve the substitution of any material required in the construction of the earth dike.

260.03 Borrow. Borrow shall be Type F conforming to the requirements of [Section 209](#).

260.04 Riprap. Riprap shall be R-4 conforming to the requirements of [Section 712](#).

260.05 Seed. Seed shall conform to the requirements of [Section 734](#).

260.06 Mulch. Mulch shall be straw conforming to the requirements of [Section 735](#).

260.07 Erosion Control Blanket. Erosion control blanket shall conform to the requirements of [Subsection 735.02](#) (c).

260.08 Geotextile. Geotextile shall conform to the requirements of [Section 827](#).

CONSTRUCTION METHODS.

260.09 Construction of Earth Dike. With approval from the Engineer, the location of the earth dike may be adjusted to ensure a stabilized outfall. The earth dike shall be compacted by earth-moving equipment or tamps. The Contractor shall perform any excavation required to provide the required flow width at the flow depth.

260.10 Stabilization of Earth Dike. Within seven days of the start of construction on the earth dike or prior to the earth dike becoming operational as a clean water diversion dike or a sediment control dike, whichever is sooner, the Contractor shall stabilize the earth dike. The side of the earth dike that does not accommodate water flow shall be stabilized with seed and straw mulch. The side of the earth dike that accommodates the water flow shall be stabilized as shown on Standard Construction Detail, Earth Dike.

If the required stabilization is riprap, the Contractor shall place the riprap over geotextile at the thickness required for the specified size riprap as shown on Standard Construction Detail, Riprap Ditch. If the required stabilization is erosion control blanket, the Contractor shall place the erosion control blanket as shown on Standard Construction Detail, Erosion Control Blanket Applications, and according to [Section 735](#).

260.11 Earth Dike Drainage. The earth dike shall have positive drainage to an outlet. The outlet shall function with a minimum of erosion.

Diverted runoff from an undisturbed area shall outlet into an undisturbed stabilized area at non-erosive velocity. Diverted runoff from a disturbed area shall outlet into a sediment trapping device.

260.12 Maintenance of Earth Dike. Throughout the Project construction period, the Contractor shall maintain the earth dike to the original dimensions and function of the channel and the dike.

260.13 Sediment Removal. After each rainfall, the Contractor shall check for excessive buildups of sediment which must be removed so that the earth dike can continue to function as intended. The Contractor shall remove all accumulated sediment when it reaches 50% of the height of the earth dike.

260.14 Removal of Earth Dike. The earth dike shall be removed at the end of the construction period or when directed by the Engineer. The earth dike and all materials incidental to the earth dike construction shall be removed, and all areas affected by the earth dike shall be restored to the original or plan contours and stabilized with seed and mulch.

260.15 Method of Measurement. The quantity of earth dike Type A-1 will be measured as the actual number of linear feet (linear meters) of earth dike placed and accepted. Earth dike Types A-2, A-3, B-1, B-2, and B-3 will be measured using the same method for measuring earth dike Type A-1.

The quantity of sediment removal will be measured according to [Section 250](#).

260.16 Basis of Payment. The quantity of earth dike Types A-1, A-2, A-3, B-1, B-2, and B-3 will be paid for at the Contract unit price per linear foot (linear meter). Price and payment will constitute full compensation for furnishing all materials; for excavating, placing and compacting the embankment material; for maintaining the earth dike; for removing the earth dike and all incidental materials; for restoring the site; for seeding and mulching; and for all labor, equipment, tools, and incidentals required to complete the work.

The quantity of sediment removal will be paid for according to [Section 250](#).

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