

ITEM 06203.5199 M - ESTABLISHING NEW DITCHES AND SLOPES

DESCRIPTION: The Contractor shall under this item establish new ditches and slopes to provide adequate, unobstructed, free flowing drainage and a safe, traversable road section. The work shall include:

- A. Grade and shape new ditches as directed by the Engineer to provide drainage as follows:
 - 1. At locations where there are no existing ditches.
 - 2. At locations where an existing ditch must be relocated laterally a distance of 300 mm or more.
- B. Shape the backslope in cut sections as directed by the Engineer up to an elevation of 3 meters above the final elevation of the nearest edge of pavement. Shape or flatten side slopes in embankment areas, as directed by the Engineer to an elevation of 3 meters below the final elevation of the nearest edge of pavement to provide a safe, traversable slope.

MATERIALS: None Specified

CONSTRUCTION DETAILS: This work shall consist of excavating and forming new ditches and slopes as directed by the Engineer. Material excavated from the ditches may, if suitable, be used to re-grade slopes or to flatten slopes as directed by the Engineer. Any material used to regrade or to flatten slopes shall be compacted in accordance with §203-3.12, Compaction, and/or benched in accordance with the requirements of §203-3.09 Embankment Foundation, as directed by the Engineer. Unsuitable and excess material will be disposed of in accordance with the requirements of §203-3.08, Disposal of Surplus Excavated Materials

The Contractor shall exercise due care to protect all trees, fences, markers, culverts, underground structures, utilities and other installations which are to remain within and adjacent to the work area. The Contractor shall, at his own expense, replace in kind any facilities damaged by his operations.

METHOD OF MEASUREMENT: The quantity to be paid for under this item will be the number of linear meters measured along each edge of pavement along which such above described work is performed. Slope excavation and shaping in cut sections required above an elevation of 3 meters above the final elevation of the nearest edge of pavement shall not be included for measurement under this item of work. Slope flattening and shaping in fill sections required below an elevation of 3 meters below the final elevation of the nearest edge of pavement shall not be included for measurement under this item of work.

BASIS OF PAYMENT: The unit price bid per linear meter for this work shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the described work; including compaction, benching, and/or disposal of excavated material.