



SECTION 715

VERTICAL DRAIN AT END BENTS

715.1 Description. This work shall consist of furnishing and installing a vertical drain system consisting of drain core, geotextile fabric, perforated and unperforated drain pipe, couplers and a rodent screen as shown on the plans or as directed by the engineer.

715.2 Material. All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Geotextile	1011
Geocomposite Drainage Material	1012
Miscellaneous Drainage Material	1013
Corrugated Metallic-Coated Steel Pipe Underdrain	1022

715.3 Construction Requirements.

715.3.1 The contractor shall install the vertical drain system in accordance with the manufacturer's recommendations.

715.3.2 If the core of the drain is not perforated, modifications shall be made to the core to provide adequate drainage into the drain pipe as approved by the engineer.

715.3.3 Vertical and horizontal joints shall be constructed to form an uninterrupted drain face after compaction is completed. All joints shall have an overlap of geotextile to prevent any intrusion of fill material into the drain. Horizontal joints shall be designed to drain downward. Any cracks or openings in the drain adjacent to the fill will be cause for rejection of the drain, and the drain shall be replaced by the contractor, at the contractor's expense.

715.3.4 The backfill material shall be placed and compacted in accordance with [Sec 206](#). The backfill shall be placed in such a manner as to prevent damage to the vertical drain system. The backfill material shall be as approved by the engineer.

715.4 Method of Measurement. The work provided herein will not be measured for payment, but will be considered completely paid for as a system, per each.

715.5 Basis of Payment. The accepted vertical drain system, complete in place, will be paid for at the contract unit price for vertical drain at end bents, per each. No direct payment will be made for excavation, backfilling, compaction, drain pipe or other material and work