

SECTION 673—PRECAST CEMENT CONCRETE BLOCK SLOPE WALL CAST-IN-PLACE CEMENT CONCRETE SLAB SLOPE WALL

673.1 DESCRIPTION—This work is construction of precast cement concrete block or cast-in-place cement concrete slab slope walls.

673.2 MATERIAL—

- Class A Cement Concrete—[Section 704](#)
- Reinforcement—[Sections 709.1](#) and [709.3](#)
- Precast Cement Concrete Blocks—[Section 713.2\(a\)](#)
- Fine Aggregate, Type A—[Section 703.1](#)
- Premolded Expansion Joint Filler—[Section 705.1](#)
- Joint Sealing Material—[Section 705.4\(b\)](#) or [\(c\)](#)
- Caulking Compound—[Section 705.8](#)
- Waterstops—[Section 705.5\(c\)](#)
- Water—[Section 720.2](#)
- Mortar—[Section 705.7\(b\)](#)
- Concrete Curing Compound—[Section 711.2\(a\)](#)
- Curing and Protecting Covers—[Section 711.1](#)
- Geotextiles, Class 2, Type B—[Section 735](#)

673.3 CONSTRUCTION—As indicated, as shown on the [Standard Drawings](#), and as follows:

(a) Precast Cement Concrete Block. Place Geotextiles, Class 2, Type B, as specified in [Section 212.3\(c\)](#). After placing the geotextiles, carefully spread and shape the sand on the graded area.

Except for cutoff walls, lay the concrete blocks with long dimensions parallel to the toe wall, bedded with 10 mm (3/8-inch) joints, staggered, and spaced as indicated. Straighten the courses by striking lightly with a sledgehammer against a suitable wood block placed against every fourth row. Maintain the specified gap between the blocks. Do not use cracked or defective blocks.

Roll or tamp the blocks to a firm, uniform elevation. Wet the joints with as much water as will be readily absorbed. Fill joints with mortar. Use mortar of as dry a consistency as practical and fill joints flush with the top surface of adjacent blocks. Strike off the mortar to form a smooth joint between the blocks. Pointing is not required. If the bond has breaks around a block, remove the block, along with the mortar from the joint, then clean and reset with fresh mortar as specified.

(b) Cast-In-Place Cement Concrete Slab. Place the concrete directly on the prepared graded area, without placing a sand bed. Construct the slabs of Class A Cement Concrete, 100 mm (4 inches) in depth, and of uniform dimension not over 5.0 m (16 feet) in length or width, unless otherwise directed for closures.

Place indicated reinforcement midway between the top and bottom of the slabs. Score the slabs to a minimum depth of 15 mm (1/2 inch) in 1.2 m (4-foot) squares, or as directed. Place 13 mm (1/2-inch) thick, premolded expansion joint filler, for the full depth, between adjacent slabs and at contact points between slabs and structures.

Construct a cutoff wall 150 mm (6 inches) wide and 400 mm (16 inches) deep, monolithically with the slabs, at each end of the slope paving. Construct toe walls to the dimensions indicated. Use Class A Cement Concrete for toe and cutoff walls. Finish and cure the concrete as specified in the applicable requirements of [Sections 501.3\(j\)](#) and [\(k\)](#). Seal the joints as specified in [Section 501.3\(n\)](#).

673.4 MEASUREMENT AND PAYMENT—

- (a) Precast Cement Concrete Block Slope Wall.** Square Meter (Square Yard)
- (b) Cast-In-Place Cement Concrete Slab Slope Wall.** Square Meter (Square Yard)