

DESCRIPTION

Furnish and install concrete pile caps where shown in the contract documents.

MATERIALS

1. **Precast Pile Caps:** Notify the Engineer of the name and location of the precast pile cap fabricator at least 30 days before the start of production. Supply precast pile caps meeting the requirements of §704-03, except as noted herein - Minimum compressive strength of the concrete shall be 34.5 MPa at 28 days.
2. **Cast-in-place Pile Caps:** The Contractor may elect to cast the pile caps in place using Class A concrete mixed in accordance with the Specifications for Section 555 - *Structural Concrete*.

CONSTRUCTION DETAILS

1. **Precast Pile Caps:**
 - A. **Inspection, Storage, and Handling** – Pile caps will be inspected at the construction site to determine any damage during shipment and for conformance to the dimensional tolerances. An additional inspection will be made prior to placement to determine any damage during storage.
 - B. **Installation** - Ensure the top of the pile to receive the pile cap is clean and cut true prior to placement of the cap. Grade the leveling course to the correct elevation and within a level tolerance of 10 mm per m. Align the cap recess over the pile and lower the cap onto the pile in a manner that will not damage the cap. Seat the cap squarely on the pile head with no gap above the pile.
2. **Cast-in-place Pile Caps:**

Place the pile caps in accordance with the Specifications for Section 555 – *Structural Concrete*.

METHOD OF MEASUREMENT

Pile caps will be measured by the number of units supplied and installed according to the contract documents.

BASIS OF PAYMENT

In the unit bid price include the cost of all labor, materials and equipment necessary to fabricate and install the pile caps. Pile caps damaged during construction shall be replaced at the Contractor's expense.