

**317 SEWER/WATER PCC FORMWORK CONSTRUCTION****317.01 DESCRIPTION**

[Refer to DC WASA Section 3100]

Work includes furnishing all labor, materials, equipment and incidentals required to provide formwork for all PCC structures as shown on Drawings and as specified herein.

Related Work specified elsewhere may include but is not limited to:

[318](#): Reinforcing Steel – Sewer/Water Work.

[319](#): Sewer/Water PCC Accessories.

[320](#): Sewer/Water PCC Construction.

Reference Codes and Specifications:

- (1) ACI 347R: “Guide to Formwork for Concrete”.
- (2) ACI Special Publication Number SP-4: “Formwork for Concrete”.
- (3) ACI 117: “Standard Specifications for Tolerances for Concrete Construction and Materials”.
- (4) U.S. Commercial Standard CS-251.
- (5) U.S. Product Standard PS-1.

General Design Criteria:

- (6) Design formwork for vertical loads and lateral pressures per ACI 347R.
- (7) Design formwork system, which is adequately braced and has adequate strength and stability to ensure, finished concrete within specified tolerances.
- (8) When necessary to maintain specified tolerances, design camber into formwork to compensate for anticipated deflection and creep due to weight and pressure of fresh concrete.
- (9) Chamfer exposed external corners 3/4 –inch.
- (10) Concrete formwork drawings and calculations shall be prepared by or under the direction of a Registered Professional Engineer (P.E.) and shall bear his/her P.E. Seal. Forms shall be designed in accordance with the criteria specified herein.

**317.02 SUBMITTALS**

Working drawings shall be prepared in accordance with [703.14\(A\) and \(B\)](#) and submitted in accordance with [105.02](#).

**317.03 MATERIALS.**

PCC Formwork – [703.14](#)

Sewer/Water PCC Accessories – [319](#)

**317.04 CONSTRUCTION REQUIREMENTS**

Formwork and falsework shall be placed in accordance with [703.14](#) and [703.16](#) and removed in accordance with [703.17](#).

**317.05 MEASURE AND PAYMENT**

PCC formwork will not be measured separately for payment; the cost thereof shall be included in the lump sum or unit price for PCC items of which it is a part.