

CAST-IN-PLACE CONCRETE SIDEWALKS AND CURBING

A. Submittals:

- 1) Submit mix design for approval prior to placing concrete (MSHA MIX #3 for all concrete sidewalks, air entrained, minimum 3500 psi mix). For curb and gutter, utilize MSHA Mix #7, except maximum water cementitious ratio of 0.45 and 611 pounds minimum cementitious materials, air entrained, minimum 4200 psi mix.
- 2) Submit Concrete Testing Agency for approval, which contractor or project owner shall employ for infield and laboratory testing.

B. Concrete Placement:

- 1) Notify the Town of intention to pour concrete 24 hours prior to performing work. (Phone: 410-822-2526).
- 2) Driver shall present computer generated mix delivery ticket upon arrival to site.
- 3) Do not add water to mix at job site unless approved by Engineer. Do not pour concrete during rain events.
- 4) Testing agency shall test for slump, temperature and air entrainment at the job site, prior to pouring each truck load delivered to site. The maximum time from adding water to batch at plant to discharge at site shall be 1 ½ hours. Testing agency shall verify that subgrade is properly compacted.
- 5) Testing agency shall collect cylinders for compression testing on each truck load of concrete delivered to site per ACI requirements. Test results shall be provided to the Engineer within 48 hours of 7 and 28 day breaks. Report shall include location of pour per plan stationing.
- 6) Engineer or his representative shall verify that area of concrete work is properly prepared, free of water, free of unstable materials and that all reinforcement required at driveways, ramps, valley gutters, etc. is in place and properly supported.
- 7) Cold weather concrete placement shall be protected from damage and frost, freezing action or low temperatures. No unapproved admixtures are permitted.
- 8) Concrete curb and sidewalks shall have proper control joints installed at 10 foot intervals for curb and 5 foot intervals for sidewalk. Expansion joints for curbing shall be at each 100 foot interval plus at each point of tangent or curve. Sidewalks shall have expansion joints at 20 foot intervals or at change of direction.

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APPROVAL  TOWN ENGINEER	REVISED 	TOWN OF EASTON AND EASTON UTILITIES STANDARD DETAILS CONCRETE QUICK REFERENCE LIST
ISSUED: JANUARY 1, 2011		STANDARD NO. PW-1.13