

CITY OF SARATOGA SPRINGS CONCRETE SPECIFICATIONS

1. THE FOLLOWING CONCRETE SPECIFICATIONS SHALL APPLY TO ALL CONCRETE WORK WITHIN THE CITY OF SARATOGA SPRINGS RIGHT OF WAY AND/OR WITHIN THE APPROVAL AUTHORITY OF THE PLANNING BOARD. ALL MATERIALS MUST BE FROM AN APPROVED NYSDOT SOURCE. QUANTITIES MAY VARY DUE TO VARIATIONS IN MATERIALS. PLANT BATCH TICKETS SHALL BE PROVIDED UPON REQUEST BY THE CITY ENGINEER. IF "APPROVED EQUAL" MIXES ARE BEING PROPOSED, PRIOR APPROVAL SHALL BE OBTAINED FROM THE CITY ENGINEER. SUBMITTALS FOR "APPROVED EQUAL" MIXES SHALL BE PROVIDED WITH TEST RESULTS FROM AT LEAST THREE (3) PREVIOUS JOBS.
2. WHEN AIR TEMPERATURES ARE 50 DEGREES FARENHEIT AND BELOW, A NON-CHLORINE ACCELERATOR IS REQUIRED PER A.C.I. SECTION 306R-88. WHEN AIR TEMPERATURES ARE 90 DEGREES FARENHEIT AND ABOVE, AN INCREASE IN RETARDER IS REQUIRED TO CONTROL SET TIME PER A.C.I. 305R-99.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I. AT 28 DAYS AND SHALL CONFORM TO THE NYSDOT 2002 SPECIFICATIONS AS LISTED IN SECTION 501-2 FOR CLASS "A" MIX (OR APPROVED EQUAL).

NOTE: A SUPERPLASTICIZER MAY BE USED TO INCREASE SLUMP AND WORKABILITY WITHOUT INCREASING THE WATER-CEMENT RATIO. UP TO 20 PERCENT OF THE CEMENT CONTENT MAY BE SUBSTITUTED WITH POZZOLAN. THE INITIAL SLUMP PRIOR TO THE ADDITION OF A SUPERPLASTICIZER IS APPROXIMATELY 2 INCHES TO 3 INCHES.

4. ALL SIDEWALKS CONSTRUCTED FROM NOVEMBER 1 THROUGH APRIL 30 SHALL BE TREATED WITH A PENETRATING TYPE PROTECTIVE SEALER PER NYSDOT ITEM 717-03 TO PROTECT THE FRESH SURFACE AGAINST SPALLING CAUSED BY SALT INFILTRATION.
5. ALL SLIP-FORM CONCRETE CURBING SHALL CONFORM TO THE REQUIREMENTS FOR A CLASS J CONCRETE MIXTURE (OR APPROVED EQUAL).
6. ANY CLARIFICATIONS, REVISIONS, OR MODIFICATIONS THERETO SHALL ONLY BE MADE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

APPROVED:

PLANNING BOARD

1/13/2010

DATE

CITY OF SARATOGA SPRINGS, NEW YORK

STANDARD DETAIL

Concrete Specifications

DWG No

ss-7