

3.10. DEVELOPER SHALL SUBMIT ROADWAY PLAN AND PROFILE SIGHT DISTANCE PLANS PREPARED BY A REGISTERED CIVIL OR TRAFFIC ENGINEER DEMONSTRATING COMPLIANCE WITH ALL SSD AND CORNER SIGHT DISTANCE REQUIREMENTS AT THE LOCATIONS DETERMINED BY THE CITY ENGINEER. SUBMITTAL SHALL TAKE INTO CONSIDERATION ON-SITE GRADING, FINAL SLOPES, STREET FURNITURE STRUCTURE, WALLS, FENCES AND MATURE LANDSCAPING. MAXIMUM ANTICIPATED OPERATING VEHICLE SPEED SHALL BE USED IF GREATER THAN ROAD DESIGN SPEED TO DETERMINE MINIMUM SIGHT DISTANCES. SIGHT DISTANCE EASEMENTS AND/OR DEED RESTRICTIONS MAY BE REQUIRED.

4. ASPHALT SURFACING

- 4.1. ALL A.C. SURFACING 3" OR GREATER IN THICKNESS SHALL BE CONSTRUCTED IN TWO COURSES, ONE BASE COURSE AND ONE SURFACE COURSE. THE SURFACE COURSE SHALL BE A MINIMUM THICKNESS OF 1½". CORE-DRILLED SAMPLES OF THE FINISHED A.C. SECTION SHALL BE PROVIDED BY THE DEVELOPER'S ENGINEER AS DIRECTED BY THE PUBLIC WORKS INSPECTOR. WITHIN PRIVATE PROPERTIES, THE APPLICANT MAY SUBMIT A REQUEST TO HAVE ONE A.C. COURSE UP TO 3" THICK FOR THE REVIEW AND APPROVAL OF THE CITY ENGINEER OR ITS DESIGNEE. IT IS NOTED THAT A.C. MIXTURES C3, D, E AND F CANNOT BE USED IN A SINGLE LIFT, PURSUANT TO TABLE 302-5.5 OF THE "GREENBOOK", LATEST EDITION.
- 4.2. A.C. PAVEMENT BASE COURSE SHALL BE TYPE III-B-PG 64-10 OR TYPE III-B2-PG64-10 (3/4") AND SURFACE COURSE TYPE III-C2-PG 64-10 (1/2") PER THE 2018 EDITION OF SSPWC 203-6. FOR PRIVATE PARKING LOTS, ALTERNATIVE A.C. PAVEMENT MAY BE CONSIDERED FOR APPROVAL BY THE CITY ENGINEER.
- 4.3. A.C. PAVEMENT STRUCTURAL SECTION THICKNESS SHALL BE 3" MINIMUM A.C. OVER 6" MINIMUM AB PER TOMC 9-4.2405(a)(1). THICKER STRUCTURAL SECTIONS SHALL BE CONSTRUCTED AS DETERMINED BY THE SOILS ENGINEER, BASED ON IN-SITU SUBGRADE R-VALUE AND THE SPECIFIED TRAFFIC INDEX. ALTERNATIVE EQUIVALENT SECTIONS MAY BE APPROVED BY THE CITY ENGINEER.
- 4.4. A.C. PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH SSPWC 302-5, AND SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- 4.5. LONGITUDINAL JOINTS SHALL OCCUR WITHIN ONE FOOT OF LANE LINES OR THE CENTER OF A LANE. LONGITUDINAL JOINTS ARE NOT ALLOWED ON WHEEL TRACKS.
- 4.6. IF APPROVED BY THE CITY ENGINEER, PCC PAVEMENT MAY BE SUBSTITUTED FOR A.C. PAVEMENT ON ALL SECTIONS, AND SHALL BE DESIGNED IN ACCORDANCE WITH THE CALTRANS HIGHWAY DESIGN MANUAL. CONCRETE FOR PCC PAVEMENT SHALL BE 520-C-2500 PER SSPWC 201-1.
- 4.7. SLURRY SEAL COATS SHALL COMPLY WITH SSPWC 203-5 AND 302-4, TYPE II-RUBBERIZED.

5. CONCRETE AND BASE MATERIALS

- 5.1. UNLESS OTHERWISE INDICATED, ALL STRUCTURAL CONCRETE (CONCRETE REINFORCED WITH STEEL) SHALL BE 560-C-3250 PER SSPWC 201-1.
- 5.2. ALL OTHER CONCRETE IMPROVEMENTS (CURBS, GUTTERS, DRIVEWAYS, SIDEWALKS, ETC.) SHALL BE 520-C-2500 PER SSPWC 201-1.
- 5.3. HIGHER CONCRETE SPECIFICATIONS SHOWN ON PLANS WILL GOVERN.

CHANGE	DESCRIPTION	DATE	INITIAL	APPROVED: 	DATE: <u>5/21/18</u>
				CITY ENGINEER	