1. Earthwork shall conform to Section 19 of the State Specifications. Compaction of subgrade shall not be less than 90 percent. Soil subgrade for streets and curbs shall be compacted as one unit.
2. Base material shall be 6 inches minimum depth of Class 2 AGGREGATE BASE 3/4–inch maximum, conforming to Section 26 of the State Specifications.
3. Surface course for Arterial streets (see ST–2) shall be ASPHALT CONCRETE laid in a minimum of two lifts. Cul–de–sacs, Local streets and Collector streets (see ST–1 and ST–2) may be laid in one lift, in accordance with Section 39 of the State Specifications with the following provisions:
   A. Type B mineral aggregate, 1/2–inch maximum (coarse) shall be used in the finish course; 3/4–inch maximum may be used for the base course.
   B. Base course shall be completed and accepted by the Engineer before finish course is begun.
   C. Tack coat of PG 70–10 or SS–1 at .05 to .10 gallon/square yard shall be applied to existing pavement or concrete to be paved.
   D. The job mix formula shall be approved by the Engineer.
   E. The oil content may be determined by results of California Test Method No. 367. If results of this test are not submitted with the job mix formula, the oil content shall be 5.0 percent to 5.5 percent based on dry weight of aggregates.
   F. Asphalt concrete shall be laid with a self–propelled paver. When the quantity of asphalt concrete is less than 100 tons the City Engineer may waive the self–propelled requirement.
   G. Apply SS–1 fog seal by "Boot truck" at .05 to .10 gal./sq. yd. Do not apply fog seal for a minimum 30 days after paving.
   H. Asphalt concrete shall not be placed until all underground utilities have been installed and approved.
   I. Compaction of asphalt concrete shall be 95 percent minimum per California Test Method No. 304.
4. Compaction of upper 6 inches of subgrade in all streets, alleys and parking lots shall be 90 percent relative compaction.
5. Compaction of aggregate subbase and aggregate base in all streets, alleys and parking lots shall be 95 percent relative compaction.
6. Moisture content of native material at time of placement of curb, gutter and sidewalk areas shall be at or above optimum moisture as established by soils investigation report before concrete may be placed.
7. Structural sections thicker than minimum standard may be required if project is state or federally funded or if soil R–value of soil is less than 30.

ENGINEERING DEPARTMENT		CITY OF MERCED, CA.
GENERAL REQUIREMENTS		ST-6
DRAWN: KGE	APPROVED BY: David R. Tucker	DATE 3/17/08
DATE: 12/05	CITY ENGINEER	SHEET OF
REVISED: 3/17/08		