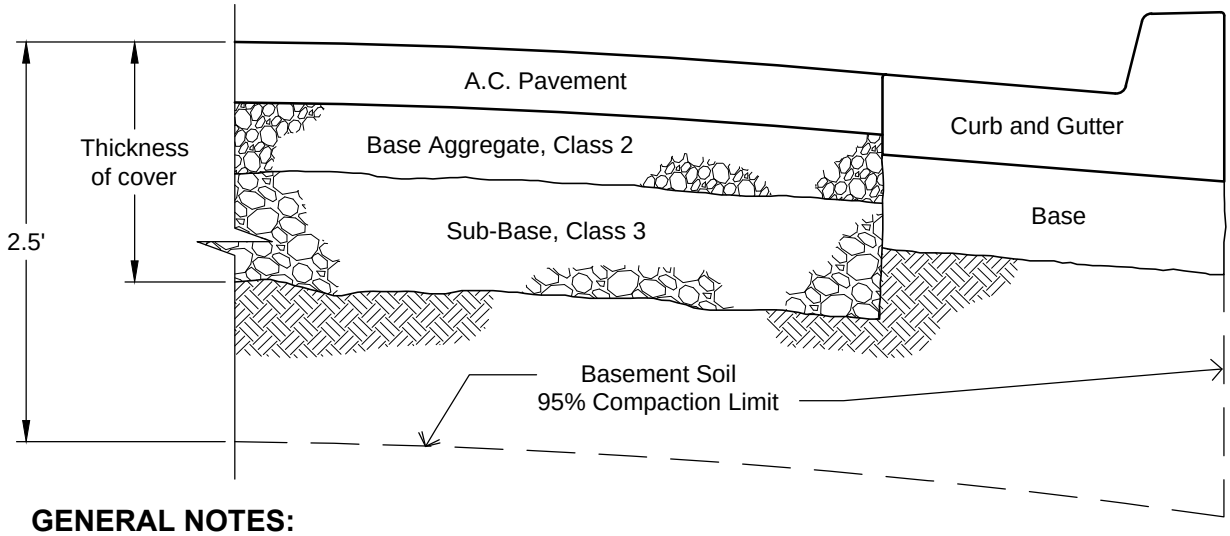

GENERAL NOTES:

A. Total thickness of cover depends on R-value of basement soil as well as the Traffic Index assigned to the street. All street sections shall be designed according to the Cal Trans method which is outlined in Chapter 600 of the Cal Trans Highway Design Manual.

B. Pavement design shall be based on the traffic indexes shown below, which are based on a 20-year design life for reconstruction or resurfaced streets, and a 50-year design life for new streets.

C. For paving placed prior to construction of buildings, the pavement will be subjected to traffic and wear associated with the on-site construction. In order to accommodate this additional usage, the A.C. thickness shall be increased from that which is derived from Cal Trans method by either:

a. ½" if total section is placed prior to building construction (unphased).
b. 1" if pavement construction is phased.

THE FOLLOWING IS AN EXAMPLE USING AN R-VALUE OF 5:

STREET CLASSIFICATION	T.I.*	STREET SECTION THICKNESS IN INCHES									
		EXISTING BUILDINGS			UNPHASED CONST.			PHASED CONSTRUCTION			
		AC	BASE	SUBBASE	AC	BASE	SUBBASE	FINISH	AC	BASE	SUBBASE
NEW LOCAL	6.5	3½"	7"	9"	4"	7"	9"	1½"	3"	7"	9"
RECONSTRUCTED LOCAL	5.5	3"	5"	8"	3½"	5"	8"	1½"	2½"	5"	8"
LOCAL W/ BUS ROUTES	7.0	4"	7"	10"	4½"	7"	10"	1½"	3½"	7"	10"
NEW COLLECTOR/ ARTERIAL	9.5	6"	11"	12"	6½"	11"	12"	1½"	5½"	11"	12"
RECONSTRUCTED COLLECTOR/ARTERIAL	8.5	5"	10"	11"	5½"	10"	11"	1½"	4½"	10"	11"

The pavement section for street widening shall be based on the T.I. of a reconstructed street, and the thickness of the new A.C. shall at a minimum match the thickness of the existing A.C.

New streets and road widening where asphalt surface is increased 10 feet or more shall be fog sealed no more than 60 days prior to request for final acceptance by the University. New streets shall be fog sealed the entire length and width of asphalt surface. Road widening shall be fog sealed to the centerline of the widened roadway for the entire widened length, at a minimum. Roads shall be re-striped.

Variation of these design standards may be approved by the University to meet individual circumstances.

A street shall be designed as a new street when existing utilities have been constructed within the past 5 years.

*Adopted by Resolution No. 9006

SCALE: N.T.S.

STANDARD CURRENT AS OF:	10/21/2019
APPROVED BY:	XX
NOTES:	

CAL POLY

FLEXIBLE PAVEMENT ELEMENTS

7110