GENERAL NOTES:

Curb ramps shall be constructed per Engineering Standard 4440 in conjunction with current California Department of Transportation Standard Plans RSP A88A and RSP A88B with the following exceptions (a copy of the standard current at the time of this printing is included in the appendices):

1. Dimension "T" for the thickness of the concrete shall be 4" in the curb ramp area and 6" in the curb and gutter area in accordance with Engineering Standards 4030 and 4110. Concrete shall be Class 3.
2. Curb ramps shall include 6" of Class 3 aggregate base under the sidewalk area of the curb ramp and 6" of Class 3 aggregate base under the curb and gutter area of the curb ramp.
3. Curb ramp shall be reinforced (#4 @ 18" O.C.) both ways the full width and depth of the curb ramp. For corner curb ramps reinforcement shall be installed throughout the curb ramp beginning at the BCR and end at the ECR. For mid-block curb ramps reinforcement shall be installed throughout ramp and flare.
4. ½" X 18" smooth bar dowels shall be provided at expansion joints at 24" O.C. Use of speed dowels is an acceptable alternative.
5. Curb ramp gutter dimensions to match adjacent gutters.
6. See Engineering Standard 4110 for notes regarding pavement removal and repair.

TRUNCATED DOMES:

Truncated domes / Tactile Detectable Warning System shall conform to the following:

System Type:	Flexible mat with wear-resistant coating.
Material:	Polymer-modified concrete with fiberglass reinforcement.
Coating:	Field-applied system consisting of pigmented acrylic sealer and clear acrylic sealer.
Installation:	Bonded to concrete substrate on 100% of area by flexible acrylic resins.
Fitting:	Mats can be abutted with visually seamless result.
Field Cutting:	Can be trimmed to size and shape with razor-knife.
Water Absorption:	ASTM D570 Water Absorptions of Plastics: 6.5%
Water Vapor Transmission:	ASTM E69 Test Methods for Water Vapor Transmission of Materials: PERM = 0.958
Non-Slip Surface:	Bonded application of #30 or #20 silver silica sand of entire field and domes.
Slip Resistance:	In addition to dome, system incorporates medium (#20 mesh) or fine (#30 mesh) graded silver silica sand into top coating.
Compressive Strength:	ASTM C109 compressive Strength of Hydraulic Cement Mortars: 5690 PSI
Tensile Strength:	ASTM C190-85 Tensile Strength of Hydraulic Cement Mortars: 855 PSI
ADA Compliance:	Conformance with Department of General Services, Division of State Architect, and all applicable codes.
Flexural Strength:	1835 PSI
Warranty:	5 years
Color:	Yellow conforming to Federal Standard 595B, color No. 33538.

1. Truncated domes / Tactile Detectable Warning Systems shall be SafetyStep TD Traditional or approved equal and installed in accordance with manufacturer's recommendations.
2. The finished surface of the detectable warning mat shall be free from blemishes.
3. Dome pattern shall be aligned with the path of travel.
4. When installing Detectable Warning Material on an existing curb ramp all cracks with elevation differences shall be ground smooth. Cracks with width or depth greater than ¼" shall be patched with a non-shrink grout to a surface even with existing sidewalk prior to installation. Any elevation differences shall be ground smooth prior to installing domes.
5. Detectable warning material at all curb ramp locations shall be installed to a depth of 3' and to a width equal to that of the ramp width. See California Building Code, Chapter 11, for additional information.

SCALE: N.T.S.

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

CAL POLY

CURB RAMP

CORNERS & MID-BLOCK

4440