• Showing a detail for a curb ramp or driveway does not automatically mean that the "PRE/POST CONSTRUCTION SURVEYS" old item will apply for that specific curb ramp or driveway. Some construction details will be for the purpose of estimating minor concrete quantities, specifying clear widths, or providing control elevations points.

• Only those curb ramps or driveways listed in the quantity table for the "PRE/POST CONSTRUCTION SURVEYS" old item will be included as part of the bid item.

• Any curb ramp that cannot be designed to meet the "conservative" design slopes and dimensions shown in the Revised Standard Plans (RSP) shall be shown on the project plans. Any such ramps shall be labeled as "modified." The actual slopes, elevations and dimensions are to be shown. The terms "maximum" or "minimum" shall not be used on the project plans (construction details sheet) for any curb ramp or driveway.

• An odd configuration for a curb ramp is still to be considered and labeled as "modified." As long as the "conservative" design slopes and dimensions meet those shown in the Revised Standard Plans, these odd shaped curb ramps are not to be included as part of the "PRE/POST CONSTRUCTION SURVEYS" bid item.

• Once the forms are in place and after the modified curb ramp or driveway (one that does not meet the "conservative" slopes and dimensions in the RSP) is constructed, the slopes and dimensions will be verified per the specification for "PRE/POST CONSTRUCTION SURVEYS." The final constructed slopes and dimensions (for all curb ramps) must meet the values the designer intended and must be within the "allowable slope variation" allowed by the California Department of Transportation (CDOT) for construction purposes.

Components or elements of a curb ramp or driveway include:
- Ramp
- Plane
- Landscaping (turning space)
- Gutter counter slope

When designing the slopes and widths of each curb ramp or driveway, make sure the slope does not exceed the dimensions shown on the entire surface of the curb ramp or driveway feature. This is especially important on a radially configured (where the outer radius is the controlling factor).
CENTERLINE OF CURB RAMP

GENERAL GUIDELINES FOR CURB RAMP DESIGN

DIMENSIONS
- Width of curb ramp (optional) if same as landing
- Width of landing
- Length of curb ramps: If there is a radius configuration, the inner radius will be the controlling factor for determining the length and slope.
- If the curb ramp length is 15' or less, the running slope cannot exceed 8.33%
- If the curb ramp length is greater than 15', the running slope may exceed 8.33%
- The length of curb ramp does not have to exceed 15' (see 06 82 4.1.3) but may in certain situations where the slope can be held below the 8.33% maximum.
- Length of ramp (outer radius of curb ramp)
- Width of adjacent sidewalk
- Length from BDR or EDR to centerline of curb ramp
- Length from BDR or EDR to begin of curb ramp

SLOPES
- Running slope of curb ramp
- Cross slope of curb ramp
- Slope of bottom landing
- Cross slope of bottom landing (in certain circumstances shall be permitted to equal the street or highway grade) see 06 82 Section 4.3.4. Also see 4.1.2 for further guidance.
- Cross slope of the sidewalk
- Outer pan slope (see the "Sect" view), (in certain circumstances shall be permitted to equal the street or highway grade) see 06 82 Section 4.3.3.4. Also see 4.1.2 for further guidance.

MISCELLANEOUS
- Label type of curb
- Label retaining curb
- Show data lines when always needs to stake new occurrence of a curb ramp

INFORMATION FOR EXISTING CURB RAMPS
- Length from start (confined to a known point) to BDR/EDR or begin of curb ramp
- Label data
- Length of containing transition to match existing sidewalk slope
- Cross slope at conform
- Width of existing sidewalk
- Elevations at conform
- Delta lines are optional

CONSTRUCTION DETAILS