

**NOTE:**

For details not shown see Standard Plan A88A

DWS - Detectable Warning Surface

CALTRANS  
CONSERVATIVE  
DESIGN  
STANDARDS

FEDERAL/CALIFORNIA  
STANDARDS

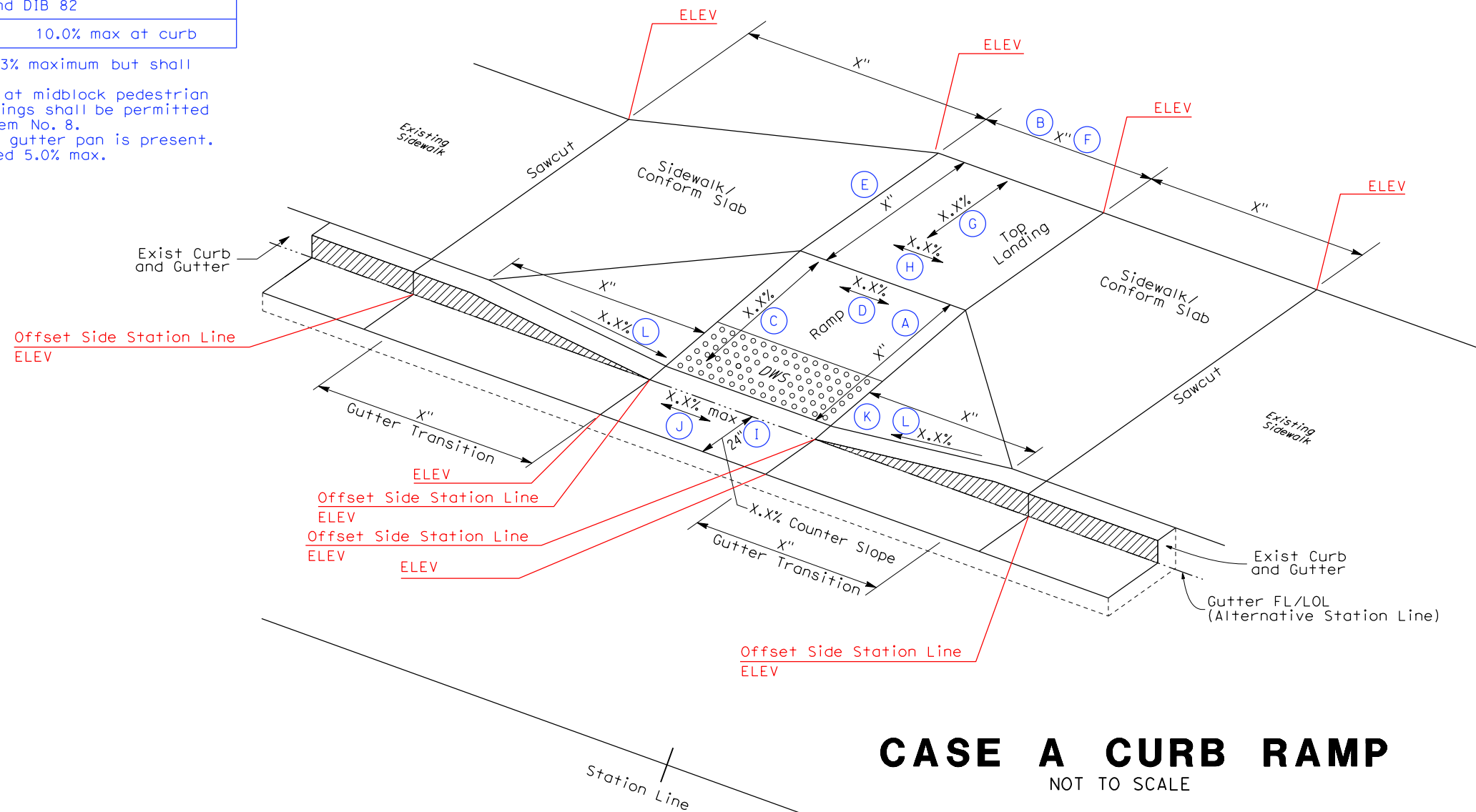
(A) Length of Ramp	(1)	Not required to exceed 15 feet, see DIB 82 4.3.8 #1	
(B) Width of Ramp		50" min	48" min
(C) Slope of Ramp		7.5% max	8.3% max (1)
(D) X Slope of the Ramp	(2)	1.5% max	2.0% max
(E) Top Landing Length		50" min	48" min
(F) Top Landing Width		50" min	48" min
(G) Top Landing Slope		1.5% max	2.0% max
(H) Top Landing X Slope	(2)	1.5% max	2.0% max
(I) Counter Slope	(3)	1"(V):24"(H) max	5.0% max
(J) Flow Line Slope	(2)	1.5% max	2.0% max
(K) Detectable Warning Surface		See Standard Plan A88A and DIB 82	
(L) Flare (Right/Left)		9.0% max at curb	10.0% max at curb

- (1) Curb ramps shall have a running slope not steeper than 8.3% maximum but shall not require the ramp length to exceed 15 feet.
- (2) At pedestrian crossings without yield or stop control and at midblock pedestrian street crossings, the cross slope of curb ramps and landings shall be permitted to equal the street or highway grade. See DIB 82 4.3.8 item No. 8.
- (3) Counter slope shall not exceed 1"(V):24"(H) or 4.2% where a gutter pan is present. If no gutter pan is present counter slope shall not exceed 5.0% max.

Items A through L graphically depict standards that are all required for compliance with the 2010 Americans with Disabilities Act or draft Public Rights of Way Accessibility Guidelines.

For each curb ramp location that is not designed to meet the conservative design standards include one (EA) quantity of bid item Pre/Post Construction Surveys in the bid item list. The intent of this bid item is to verify that construction complies with allowable variations from the dimensions and slopes shown on the contract plans required by CPB 14-1.

Location call outs and elevations direct the tie-in of the curb ramp to adjacent roadway, sidewalk, and grade at the project specific location with the compliant slopes and dimensions shown.



**CASE A CURB RAMP**  
NOT TO SCALE

**CURB RAMP DESIGN STANDARDS  
CASE A**

REVISOR: \_\_\_\_\_ DATE: \_\_\_\_\_

DESIGNER: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

FUNCTIONAL SUPERVISOR: \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION

STATE OF CALIFORNIA

Caltrans

CURB RAMP DESIGN STANDARDS CASE A, RELEASED 03/30/2016

LAST REVISION: 00-00-00 DATE PLOTTED => \$DATE TIME PLOTTED => \$TIME