



**CURVE DATA:**

- (A) R = 25' (MIN)  
Δ1 = VARIABLE
- (B) R = 25' + PL (MIN)  
Δ1 = VARIABLE
- (C) R = 25' + WL/2  
Δ1 = VARIABLE
- (D) R = 100' (CURB)  
R = 100' - Ps (RL)
- (E) R = 100' (CURB)  
R = 100' - PL (RL)
- (F) R = WL + 10' - PL  
Δ3 = Δ1 + Δ2s + Δ2L
- (G) R = WL + 10'  
Δ3 = Δ1 + Δ2s + Δ2L

**NOTES:**

1. USE NORMAL CROWN SECTION FROM INNER CURB TO CENTERLINE.
2. FROM CROWN LINE TO OUTSIDE GUTTER, MAX=3% AND MIN=1%.
3. SUBSCRIPTS "S" AND "L" DENOTE SMALLER AND LARGER STREETS, RESPECTIVELY.
4. SUPERELEVATION PERCENTAGES SHOWN ARE STRAIGHT GRADE FROM CENTERLINE TO CROWN LINE.
5. ELEVATIONS ARE REQUIRED WHERE CIRCLED O.
6. WHEN STREETS HAVE TILT-TYPE SECTION, THE CROWN LINE WILL NOT NECESSARILY TERMINATE ON CENTERLINE AT BC OR EC OF INNER CURB.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 104-L

APP. *James M. Hinkle* 51568 11/24/2020  
CITY ENGINEER RCE DATE

NO.	DATE	DESCRIPTION OF REVISIONS

**CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS**

DRAWN: P. KHARAZMI  
DATE: 11/3/2020

**STANDARD KNUCKLE**

STANDARD DRAWING NO.

**104**

SHEET 1 OF 1