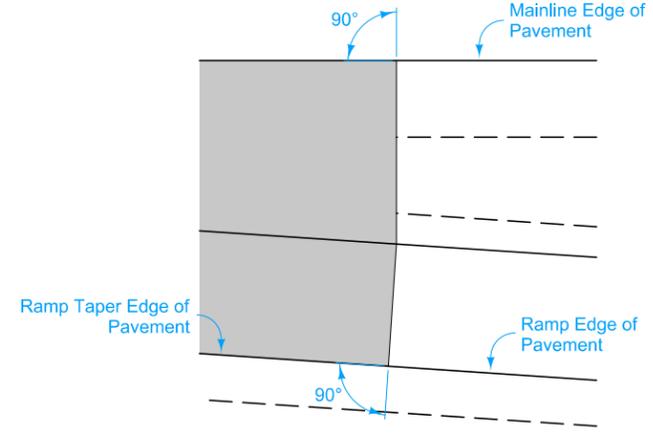


TABLE OF SHOULDER TRANSITION LENGTHS			
W	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

NOTE: W<sub>o</sub> is the width of the outside lane to the Edge of Pavement.

NOTE: The algebraic difference between profile grade for Loop Base Line at M and relative profile grade of Mainline at C is 0.2%.

**PROFILE**



**DETAIL 'A'**

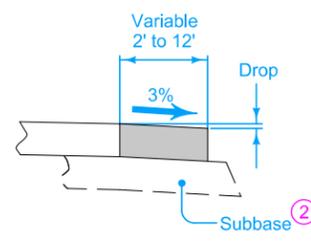
TABLE OF OFFSETS AND DROPS FOR 18' RAMP TAPER																			
DISTANCE FROM POINT C ALONG LINE 'A' (Ft.)		420	400	375	350	325	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)						2.00	3.67	5.33	7.00	8.67	10.33	12.00	13.67	15.33	17.00	18.67	20.33	22.00
	SLOPE (%)	← Constant 3.0% Slope →																	
	DROP (Ft.)						0.06	0.11	0.16	0.21	0.26	0.31	0.36	0.41	0.46	0.51	0.56	0.61	0.66
From Line 'B' To Line 'C'	OFFSET (Ft.)	← Constant 18' Offset →																	
	SLOPE (%)	← Constant 3.0% Slope →																	
	DROP (Ft.)						0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
From Line 'A' To Line 'C'	OFFSET (Ft.)	12.00	13.33	15.00	16.67	18.33													
	SLOPE (%)	← Constant 3.0% Slope →																	
	DROP (Ft.)	0.36	0.40	0.45	0.50	0.56	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20

Construct Loop exit pavement the same thickness as mainline pavement.

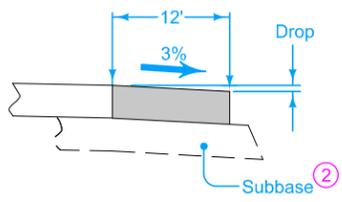
For joint details, see PV-101.

① For header construction details at the beginning of taper, see Typical 7101 or Typical 7102.

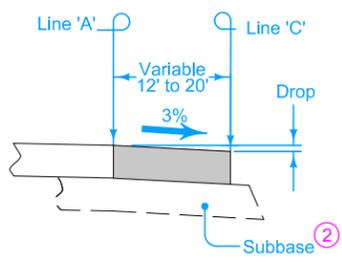
② Construct subbase for ramp exit pavement the same thickness as mainline subbase.



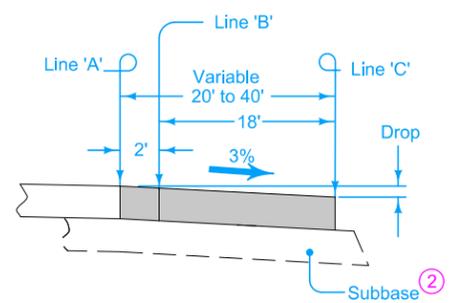
**SECTION A-A**



**SECTION B-B**

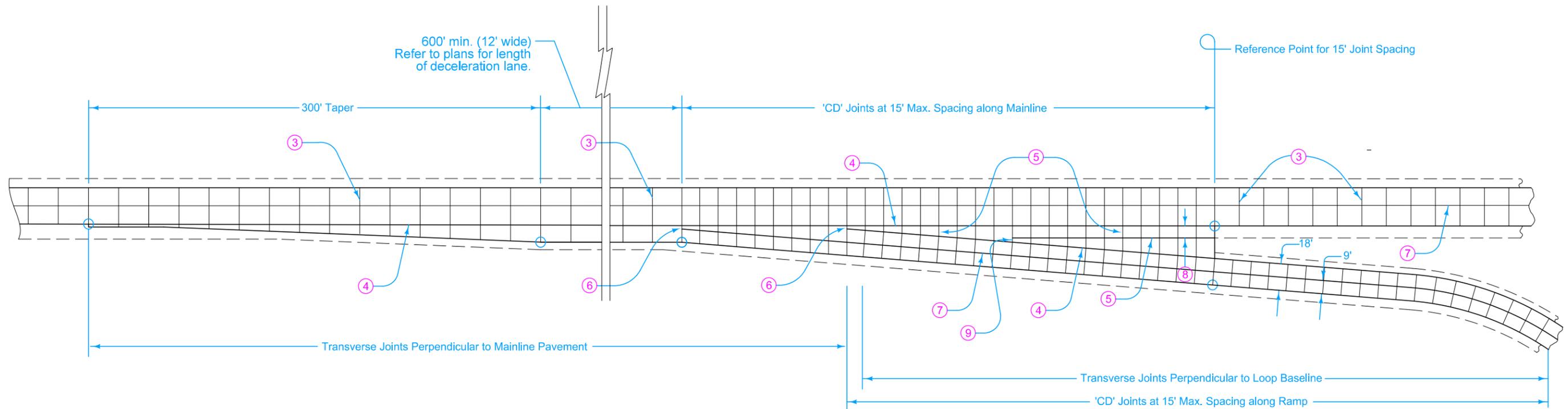


**SECTION C-C**



**SECTION D-D**

	REVISION
	2   04-21-20
	<b>533-03</b>
SHEET 1 of 2	
REVISIONS: Removed MODIFIED from the detail.	
<b>PARALLEL DECELERATION TAPER FOR 18' EXIT LOOP (60 MPH DESIGN SPEED)</b>	



**18' EXIT LOOP WITH PARALLEL DECELERATION LANE**

- ③ 'CD' Joints at 17' spacing.
- ④ 'BT-2' or 'KT-2' Joint.
- ⑤ 'C' Joint.
- ⑥ 'B' Joint. 2' minimum, 4' maximum.
- ⑦ 'L-2' Joint.
- ⑧ 10' minimum or equal to mainline shoulder width.
- ⑨ 'B' or 'C' Joint. 2' minimum. 4' maximum.

 <b>ROAD DESIGN DETAIL</b>	REVISION	
	2	04-21-20
	<b>533-03</b> SHEET 2 of 2	
REVISIONS: Removed MODIFIED from the detail.		
		
<b>PARALLEL DECELERATION TAPER          FOR 18' EXIT LOOP          (60 MPH DESIGN SPEED)</b>		