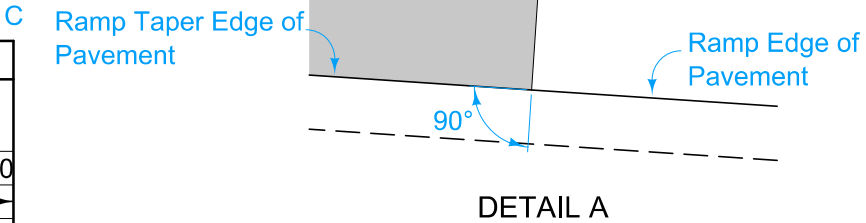


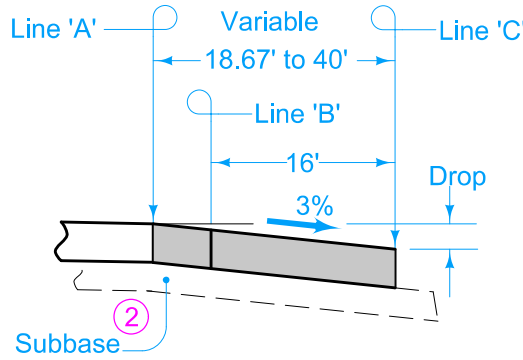
NOTE: The algebraic difference between profile grade for Ramp Base Line at **M** and relative profile grade of Mainline at **C** is 0.2%.

PROFILE

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																										
DISTANCE FROM POINT C ALONG LINE 'A' (Ft.)		600	575	550	525	500	475	450	425	400	375	350	320	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)												2.63	4.00	5.67	7.33	9.00	10.67	12.33	14.00	15.67	17.33	19.00	20.67	22.33	24.00
	SLOPE (%)	← Constant 3.0% Slope →																								
	DROP (Ft.)													0.08	0.12	0.17	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.57	0.62	0.67
From Line 'B' To Line 'C'	OFFSET (Ft.)																									
	SLOPE (%)	← Constant 16' Offset →																								
	DROP (Ft.)																									
From Line 'A' To Line 'C'	OFFSET (Ft.)	0	1.67	3.33	5.00	6.67	8.33	10.00	11.67	13.33	15.00	16.67														
	SLOPE (%)	← Constant 3.0% Slope →																								
	DROP (Ft.)	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	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



DETAIL A



SECTION A-A

TABLE OF SHOULDER TRANSITION LENGTHS			
W_o	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	60'	90'

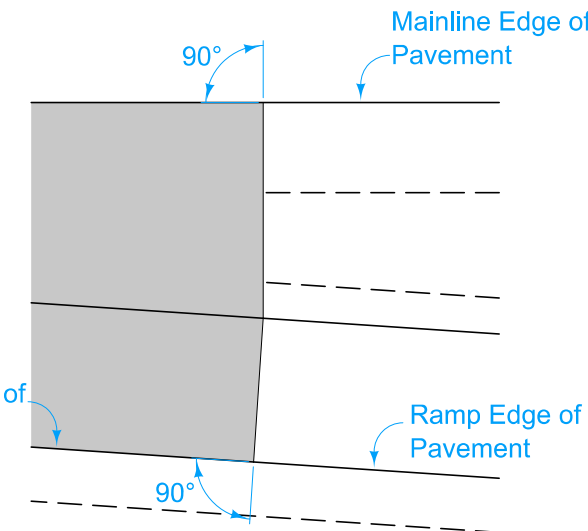
NOTE: W_o is the width of the outside lane to the Edge of Pavement.

Construct ramp exit pavement the same thickness as mainline pavement.

Ramp exit pavement shown by shaded area is 1332 square yards.

For joint details, see PV-101.

- For header construction details at the beginning of taper, see Typical 7101 or Typical 7102.
- Construct subbase for ramp exit pavement the same thickness as mainline subbase.



STANDARD ROAD PLAN

REVISIONS: Removed 'KT-2' joint option.

APPROVED BY DESIGN METHODS ENGINEER

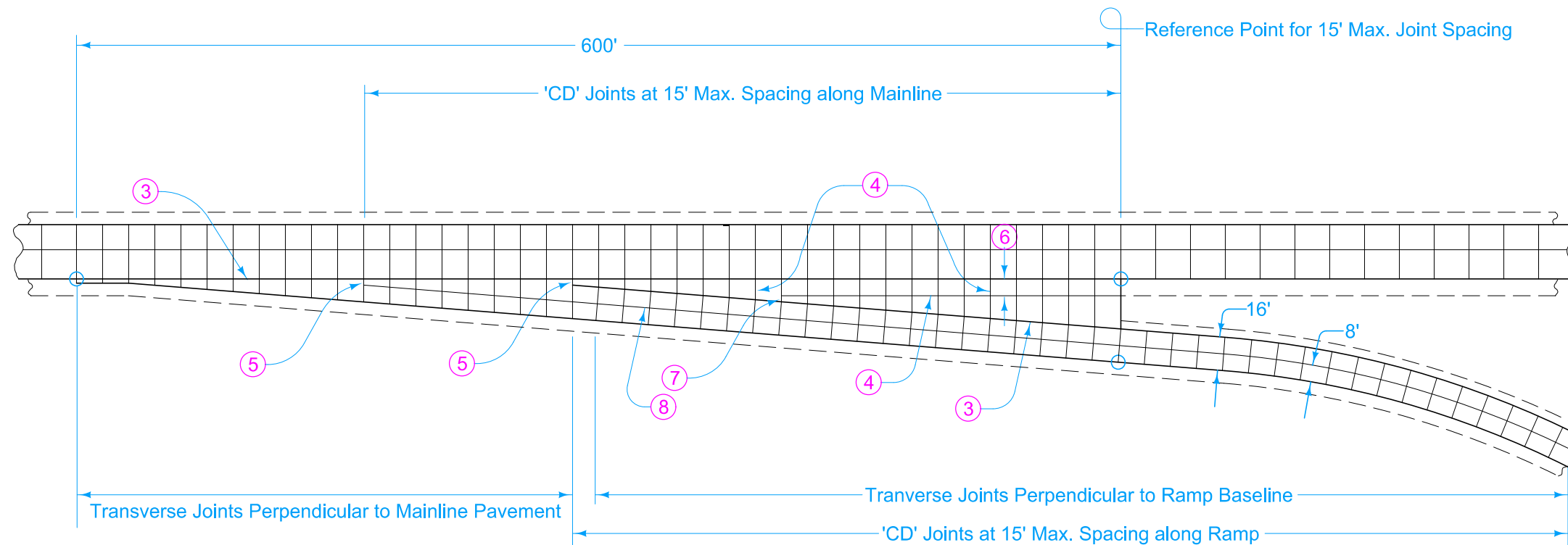
DECCELERATION TAPER FOR 16' RAMP

REVISION

810-21-25

PV-410

SHEET 1 of 2



16' EXIT RAMP

<div>IOWA DOT</div> <div>STANDARD ROAD PLAN</div>	REVISION	
	8	10-21-25
	PV-410	
	SHEET 2 of 2	
REVISIONS: Removed 'KT-2' joint option.		
<div>Stuart Miller</div>		
APPROVED BY DESIGN METHODS ENGINEER		
<div>DECELERATION TAPER</div> <div>FOR 16' RAMP</div>		