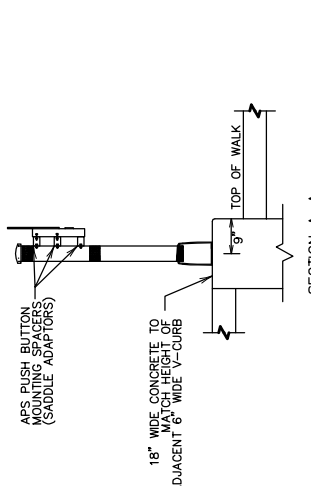
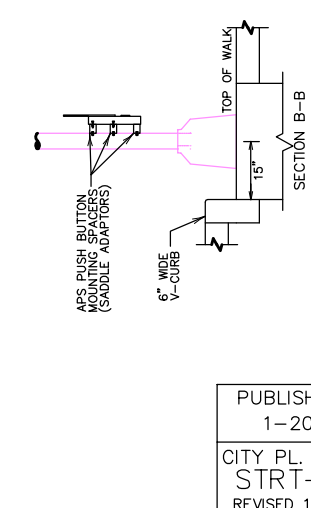
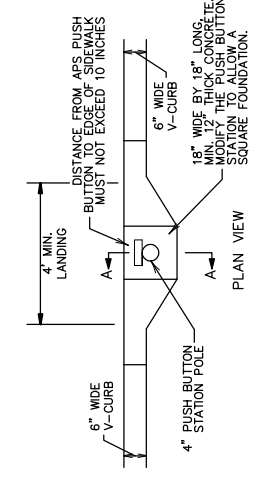
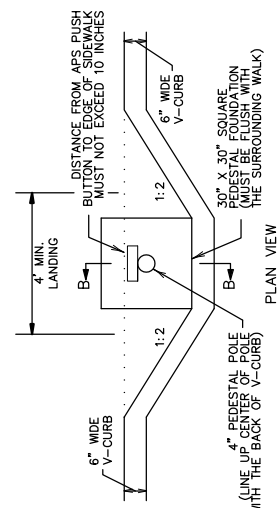


CONCRETE CURB DESIGN V		
CURB HEIGHT H	CURB WIDTH W	
≤ 6"	4"	
≥ 6"	6"	



SIGNAL PEDESTAL & PUSH BUTTON (V-CURB) PUSH BUTTON STATION (V-CURB)

PUBLISHED
1-20
CITY PL. NO.
STRT-1-7
REVISED 1-18

REVISION:
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
STATE DESIGN ENGINEER

REVISED:

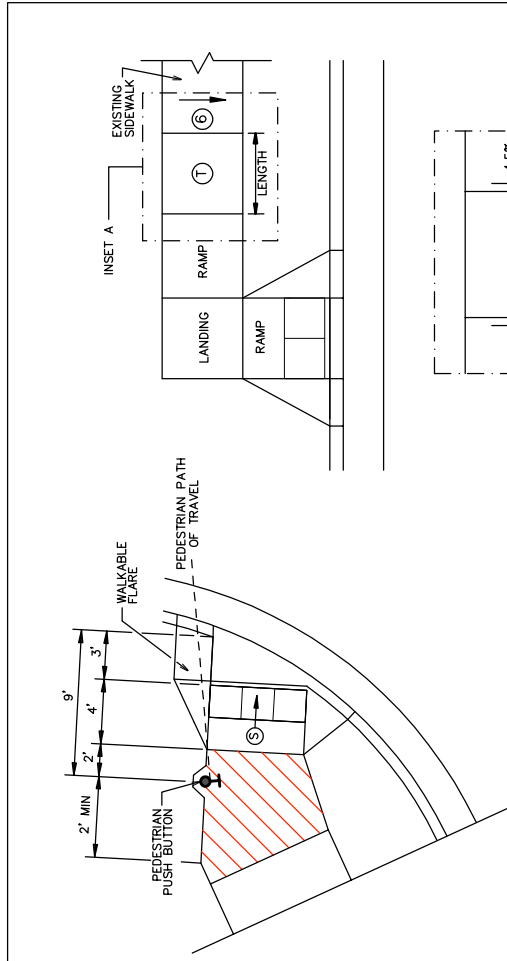
APPROVED:

1-23-2017

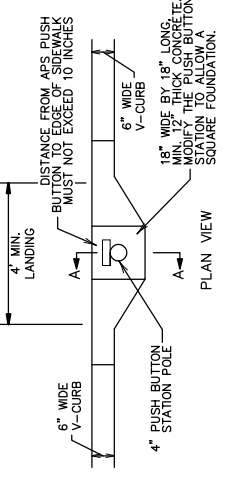
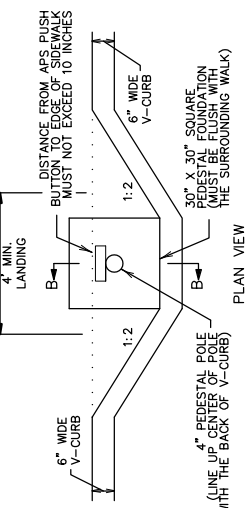
STANDARD PLAN 5-297.250

5 OF 6

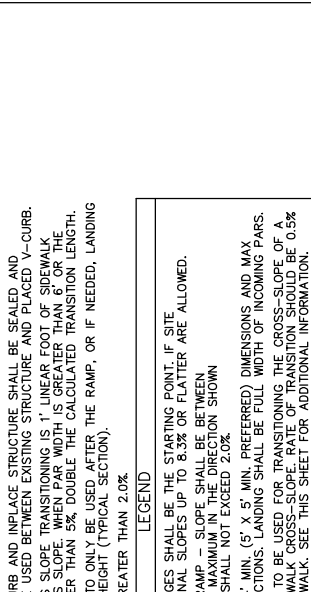
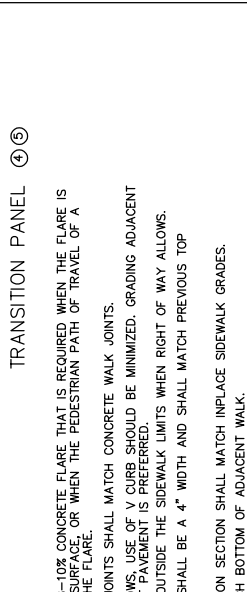
PEDESTRIAN CURB RAMP DETAILS



SEMI-DIRECTIONAL RAMP (3,4,9)
3" DOME SETBACK, 4" LONG RAMP, AND
3" PUSH BUTTON 9" FROM THE BACK OF CURB
PRIMARILY USED FOR APS APPLICATIONS
WHERE THE PAR DOES NOT CONTINUE PAST
THE PUSH BUTTON (DEAD-END SIDEWALK)



TRANSITION PANEL 4(5)
4" WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS
PLACED OUTSIDE THE SIDEWALK LIMITS OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A
PUSH BUTTON TRAVERSES THE FLARE.
ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.
WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT
TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.
V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.
V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP
OF SIDEWALK ELEVATIONS.
END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.
ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.
EDGE BETWEEN NEW V CURB AND INPLACE STRUCTURE SHALL BE SEALED AND
BOND BREAKER SHALL BE USED BETWEEN EXISTING STRUCTURE AND PLACED V-CURB.
THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1" LINEAR FOOT OF SIDEWALK
PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE
RUNNING SLOPE IS GREATER THAN 5% DOUBLE THE CALCULATED TRANSITION LENGTH.
TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING
ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).
EXISTING CROSS SLOPE GREATER THAN 2.0%.



LEGEND

- THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 1.5% AND 4.5% (VAR.)
- LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAY BE USED FOR TRANSITIONING THE CROSS SLOPE OF A RAMP. THE CROSS SLOPE OF THE TRANSITIONING SHOULD BE 0.5% PER 1' LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.
- TRANSITION PANEL(S) TO BE USED FOR TRANSITIONING THE CROSS SLOPE OF A RAMP. THE CROSS SLOPE OF THE TRANSITIONING SHOULD BE 0.5% PER 1' LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.
- EXISTING CROSS SLOPE GREATER THAN 2.0%.