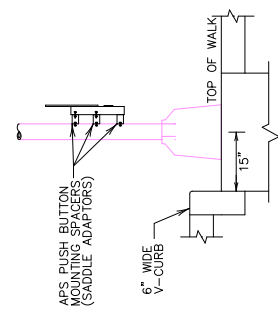
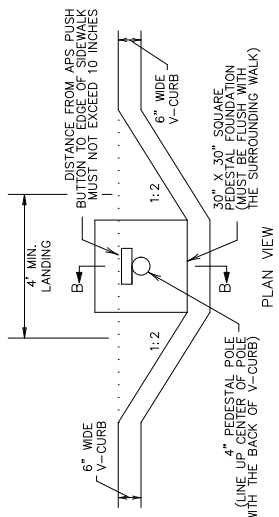


CONCRETE CURB DESIGN V		
CURB HEIGHT H	CURB WIDTH W	
< 6"	4"	
≥ 6"	6"	



SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)

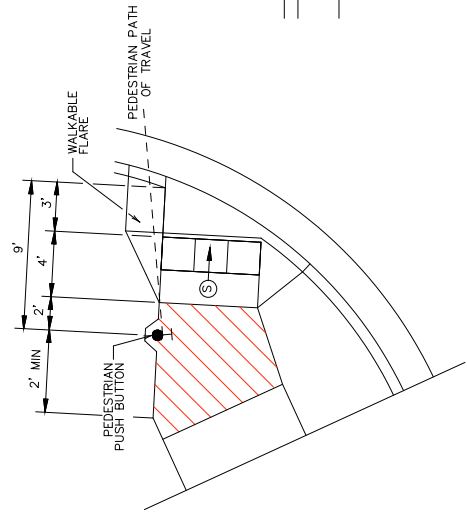
PUSH BUTTON STATION (V-CURB)

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

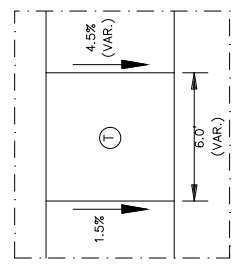
REVISION:
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
STATE DESIGN ENGINEER
APPROVED: [Signature]
1-23-2017

PEDESTRIAN CURB RAMP DETAILS



SEMI-DIRECTIONAL RAMP (3,4,9)
3' DOME SETBACK, 4' LONG RAMP AND
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

- NOTES:
- A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, 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 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.

⑤ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 1.5% AND 4.5% (VAR.)

① TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A WALKABLE SURFACE TO A WALKABLE SURFACE. THE CROSS-SLOPE OF A WALKABLE SURFACE SHALL NOT EXCEED 2.0%.

④ LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAY BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A WALKABLE SURFACE TO A WALKABLE SURFACE. THE CROSS-SLOPE OF A WALKABLE SURFACE SHALL NOT EXCEED 2.0%.

③ TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A WALKABLE SURFACE TO A WALKABLE SURFACE. THE CROSS-SLOPE OF A WALKABLE SURFACE SHALL NOT EXCEED 2.0%.