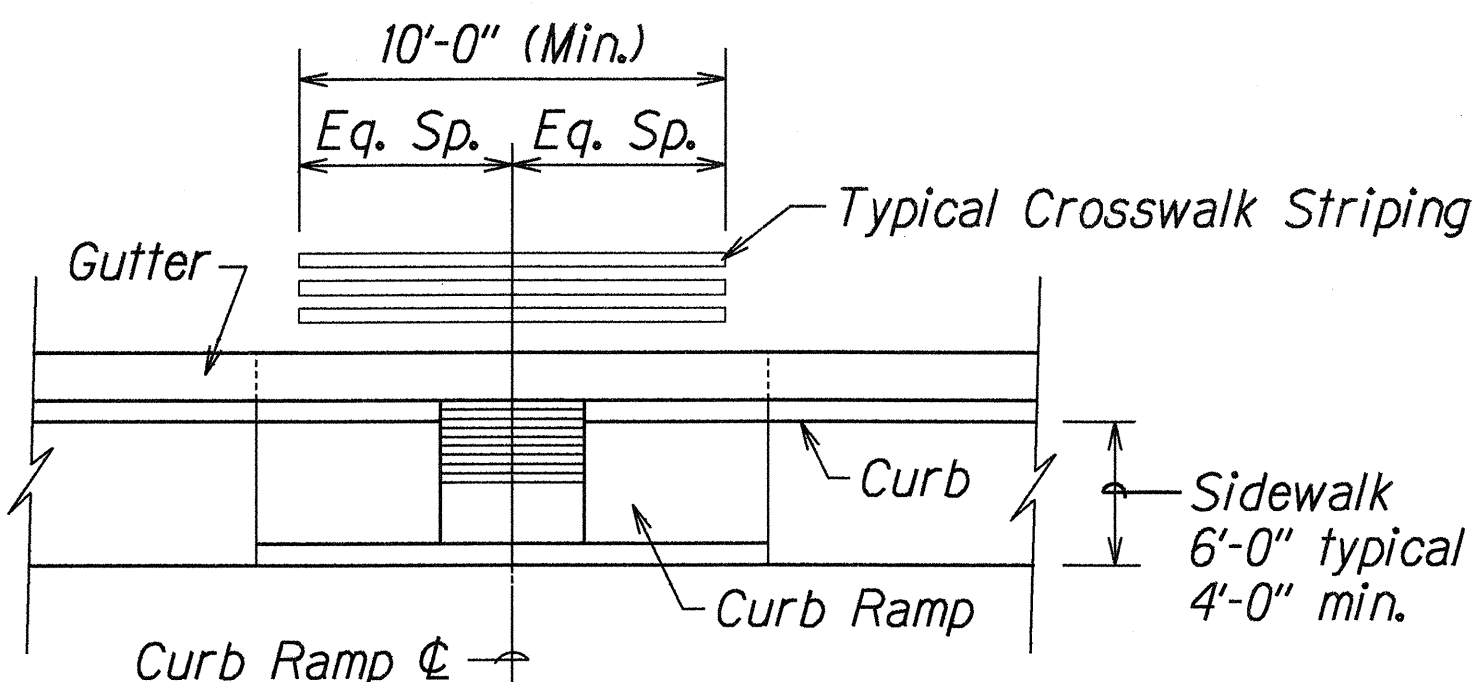


GENERAL NOTES:

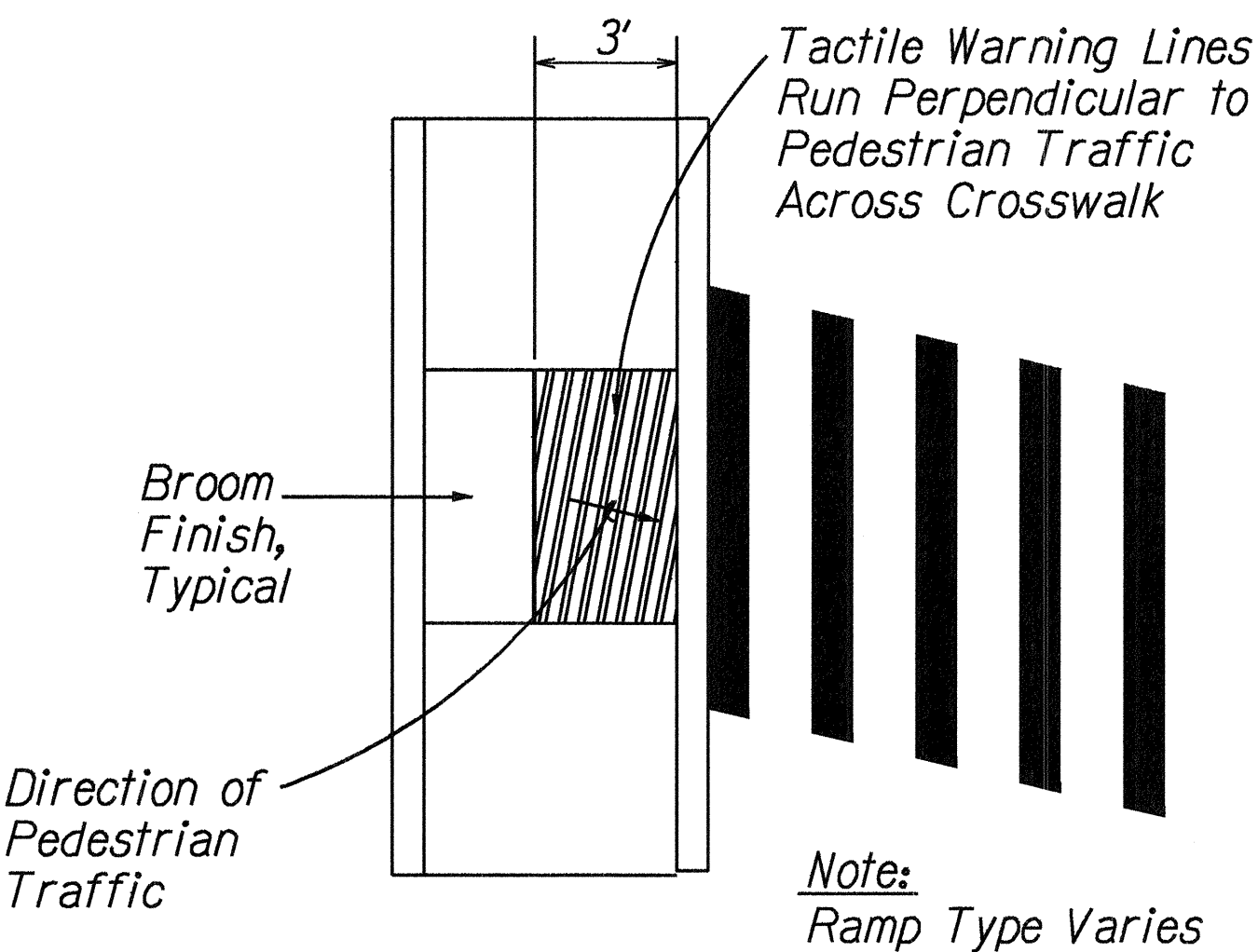
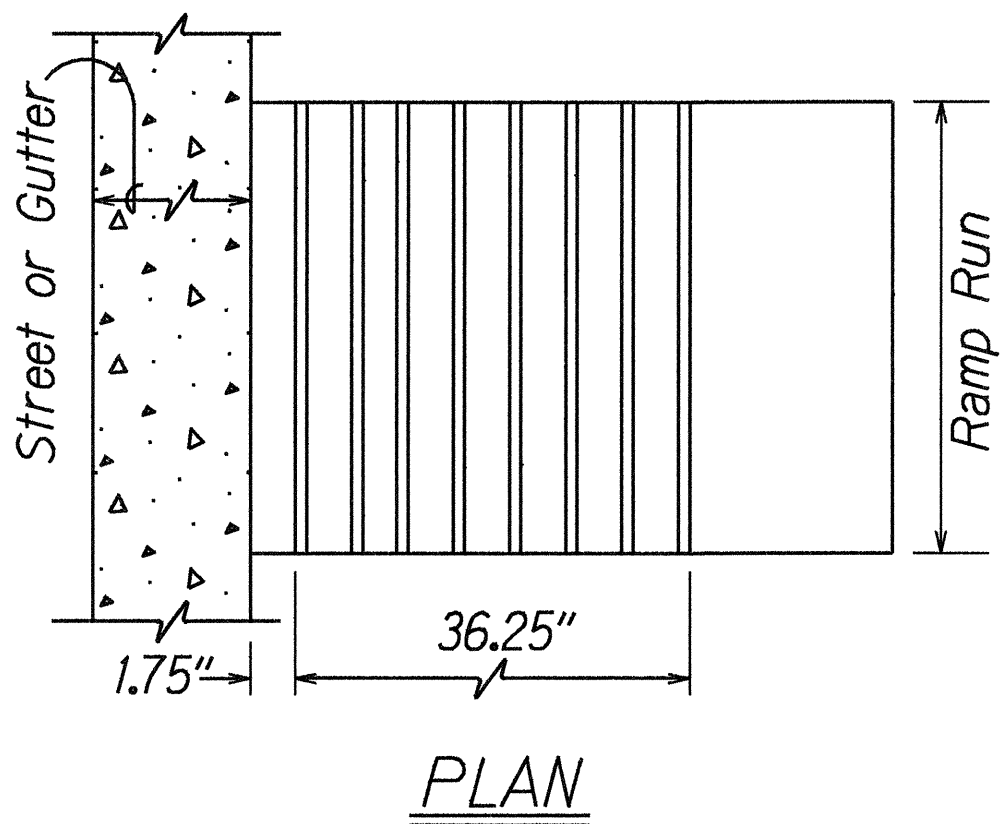
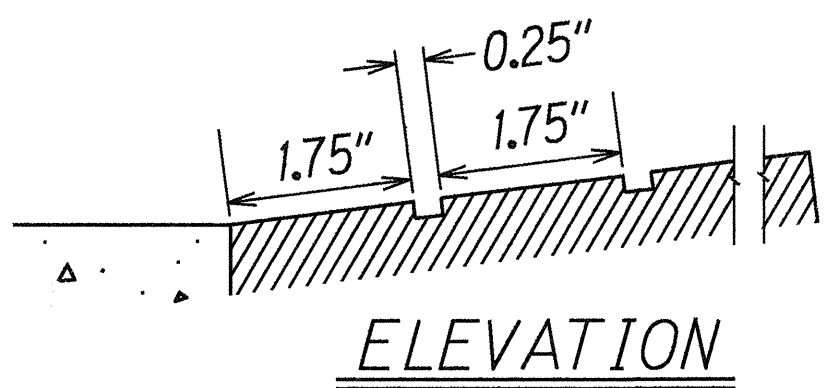
1. When necessitated by existing physical conditions, alternate Curb Ramps may be used subject to Engineer's approval.
2. Subject to field conditions, the Engineer shall determine final location of Curb Ramp.
3. Where necessary, pullboxes, handholes, manholes, etc. shall be adjusted to match Curb Ramp grade. Adjustments shall not be paid for separately but shall be considered incidental to the various Curb Ramp Contract items.
4. All sidewalks shall provide a minimum clear width of 3'-0" (excluding curb) for pedestrian circulation.
5. Narrow Sidewalks (3'-0" min. width excluding curb) will prohibit the installation of any sign posts, utility poles, fire hydrants, traffic signals standards, light poles, etc. in the sidewalk, which will prevent a 3'-0" wide clear zone for pedestrian circulation. Also, Narrow Sidewalks shall require a minimum 6'-0" wide, excluding curbs, by 10'-0" long passing space at intervals not to exceed 200 feet.
6. The minimum sidewalk width shall be 4'-0", excluding curb width and the cross-slope shall not exceed 50:l.
7. If possible, install utility poles, fire hydrants, light poles, sign posts, pullboxes, etc. off of sidewalk but within the right-of way.
8. New Curb Ramps shall be installed at 90° to the sidewalk.
9. Objects protruding from utility poles and walls adjacent to the sidewalks (i.e. wall mounted fire hydrants, telephones, meters on poles etc.) shall be mounted to meet the current American with Disabilities Act (ADA) Accessibility Guidelines and will be subject to Engineer's approval.
10. Removal of existing curb ramps shall not be paid for separately but shall be considered incidental to various curb ramp items.
11. New Curb Ramp Boundaries shall Connect Flush to New; or Match Flush to Existing sidewalk, pavement, curb and/or gutter, catch basin, transition, or any other structure shown in the plans.

CURB RAMP NOTES:

1. The New Gutter fronting the curb ramps shall not exceed a slope of 20:l. Area without a gutter shall be handled on a case by case basis in order to meet the 20:l slope requirement.
2. The New Gutter fronting the 6'-0" minimum flares on both sides of the New Curb Ramps shall have a transition slope from 20:l to the new/existing gutter slope, unless otherwise stated in the plans.
3. When the curb exceeds the standard 6" height, the side flares and ramp shall be increased greater than 6'-0" to meet the 12:l maximum slope requirement.
4. Curb Ramps shall be reinforced if adjacent sidewalks are reinforced.
5. The Contractor shall use the Edge of Shoulder (E.S.) fronting the new curb ramp/gutter; or the point(s), line(s) or surface(s) shown in the plans as the control elevation when constructing the New Curb Ramp or Curb Ramp with gutter.
6. For Type "B" & Type "E" Curb Ramps, New Standard Curb shall be 12" wide when installing Type I Traffic Signal Standard (TSS) or Pedestrian Push Button Pedestal (PPB). Where Type II or Type III TSS or Highway Light Pole is utilized, the width of the New Standard Curb shall be determined by the Engineer. For sidewalk less than 4'-0" (excluding curb), an Engineer approved 3'-0" wide minimum curb ramp shall be installed.
7. The width of the curb ramp including curbs shall match the width of the sidewalk. When the sidewalk width is less than 4'-0", an Engineer approved, modified sidewalk with a minimum 3'-0" wide curb ramp excluding curbs shall be installed.
8. A minimum 3'-0" wide by 5'-0" long (excluding curbs) flat, stable paved surface with a cross slope of 50:l shall be provided for a parallel approach to the pedestrian push button.
9. The pedestrian push button shall meet current American with Disabilities Act (ADA) Accessibility Guidelines and will be subject to Engineer's approval.



TYPICAL CROSSWALK STRIPING  
AT CURB RAMP



GROOVED TACTILE WARNING SIGNAL

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**CURB RAMP NOTES & TYPICALS**  
KAMEHAMEHA HIGHWAY  
Intersection Improvements at  
Leilehua Golf Course Road  
Fed. Aid Project No. DE-0200(803)  
Not to Scale Date: Apr. 23, 2000  
SHEET No. 1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	4/23/00
TRACED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	
BY	