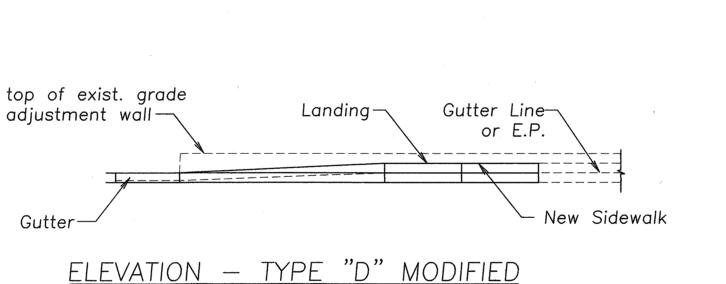
CURB RAMP NOTES

- 1. To ensure constructability, Benchmarks and Horizontal ties shall be provided for construction stakeout.
- 2. A 2% maximum cross slope shall be maintained in the direction of pedestrian traffic.
- 3. Curb ramps shall be installed 90° to the sidewalk or to the maximum extent feasible, in alterations.
- 4. Subject to field conditions, the Engineer shall determine the final location of curb ramp.
- 5. The maximum slopes of adjoining gutters or road surface immediately fronting the curb ramp shall not exceed 5% for Type A and D ramps and 8.33% for Type B, C and E ramps. The counterslope may be exceeded when the change of grade does not exceed 13% (11% preferred) over a distance of 2 ft. Exceeding the 13% (11% preferred) change in grade will cause a person in a wheelchair to tip forward and/or fall backward.
- 6. All pullboxes shall be installed away from the curb ramp and within the sidewalk/unpaved area to the maximum extent feasible.
- 7. Where necessary, existing 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 items unless indicated otherwise.
- 8. Transitions from ramps to gutters and roadways shall be flush.
- Curb ramps and sidewalks shall be designed and constructed to eliminate ponding to the maximum extent feasible.
- 10. The pedestrian push button shall meet operational and reach requirements of the American with Disabilities Act Accessibility Guidelines (ADAAG):
 - a) Forward Reach. The maximum height for forward reach shall be 48".
 - b) Side Reach. The maximum height for side reach shall be 54".
 - c) Operation. Controls and operating mechanisms shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls shall be no greater than 5lbs.
- There shall be a 30" x 48" level ground surface (2% max. cross slope, both directions) for a forward or side approach, as appropriate, to a pedestrian push button.
- 12. Construction joints are required to join curb ramps with sidewalks.
- Unless otherwise noted, new gutters are required as shown.

CURB RAMP NOTES CONT.

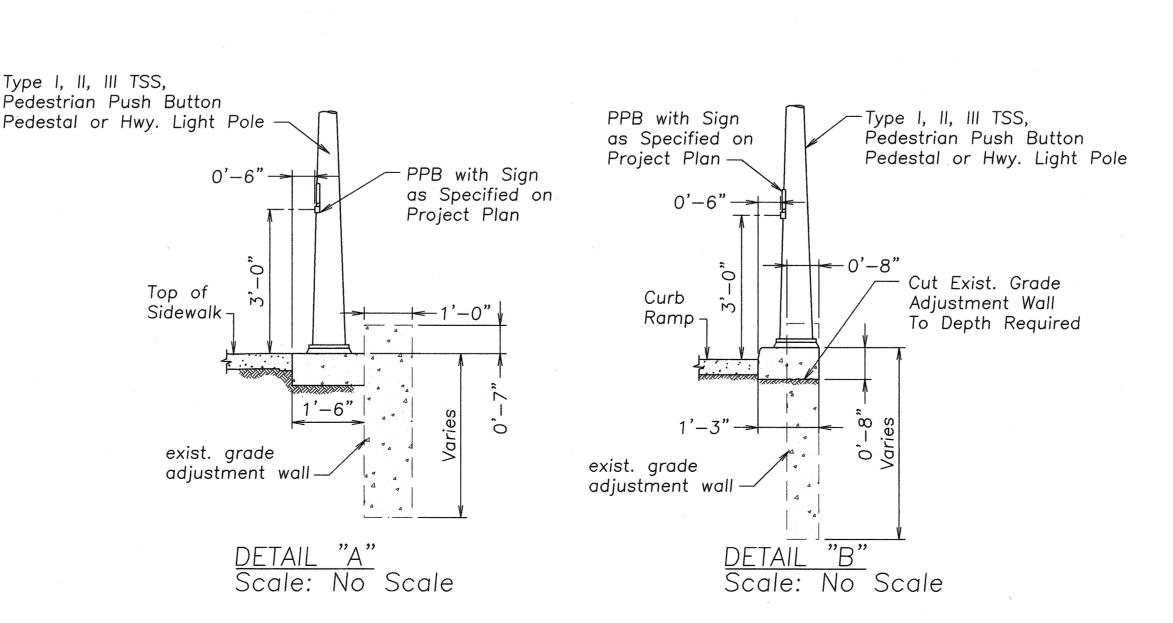
- 14. All curb ramps shall be reinforced with 6x6 w1.4/w1.4 welded wire fabric.
- 15. Surface of sidewalks and curb ramps shall be firm, stable, and slip—resistant. This includes the surface of pullboxes, valve covers, manhole covers, etc.
- 16. Bed course material is required for curb ramps, sidewalks, and gutters.
- 17. If a curb ramp is not constructed according to the plans, the Contractor shall reconstruct the curb ramp at no cost to the State. Construction tolerance for Portland Cement Concrete shall be based on 1/4 inch per 10 ft. $(\pm 0.2\%)$. Remedial measures will not be accepted.
- 18. Additional information is available from:
 - a) American with Disabilities Act Accessibility Guidelines (ADAAG), September 1998, The Access Board.
 - b) Accessible Rights-of-Way: A Design Guide, November 1999, The Access Board.
 - c) Designing Sidewalks and Trails for Access, July 1999, FHWA.

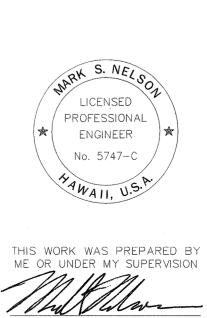


RAMP Broom Finish -New Drop Level Areaexist. grade -New Sidewalk TC 6.93 BC 6.93 adjustment wall 1'-6" 8.33% Max. —exist. fence 5% Max. Slope -←exist. p.p. 12'-0" (See Detail "A") -existing curb (no Gutter) PLAN TYPE - "D" MODIFIED CURB RAMP TYPE - "B" CURB RAMP 5'-0" existing gutter - New Gutter existing std. curb -New Drop ∠ 5% Max. Slope existing sidewalk — — Level Area New Drop/ New Drop Landing -New Curb Curb Landing 8.33% Max. Slope 8.33% Max. Slope 8<u>.33%</u> Max. Slope 6.54+ R/W Line -7C - 443 BC 6.56/4 Broom Finish (Typ.) — TSS with PPB existing curb (no gutter) exist. grade adjustment wall (See Detail "B") — Replace 6'L.F. Broken Grade Adjustment Wall (Match Exist.) (See Detail "A")

TYPE - "D"

MODIFIED CURB





PLAN

Landing

ELEVATION - TYPE "B"

CURB RAMP TYPE "B" & "D" MODIFIED

4" Concrete

existing grade

E.P. or Gutter Line-

adjustment wall-

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

CURB RAMP

DETAILS & NOTES

SAND ISLAND ACCESS ROAD

Intersection Improvements at Road No. 2

Project No. HWY-0-05-00

Scale: 1" = 5' Date: Feb. 2002

—Std. Curb as required

by existing conditions

Landing_

SHEET No.

INAL SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

ATE

OF *1*

SHEETS

-top of existing

front curb line

FISCAL YEAR

PROJ. NO.

HWY-0-05-00 2002

-adjust existing wm box to new finish grade

FED. ROAD

DIST. NO.

