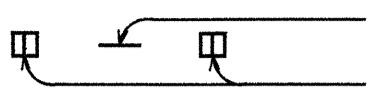
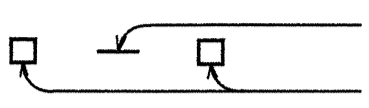
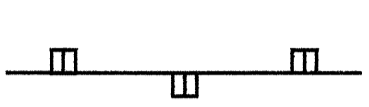
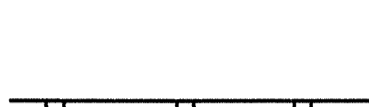

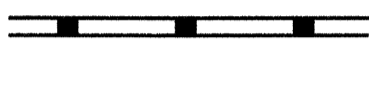
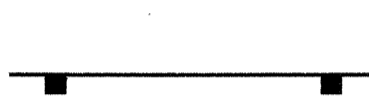



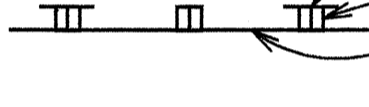



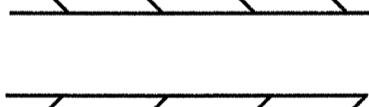


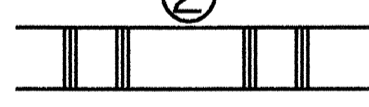


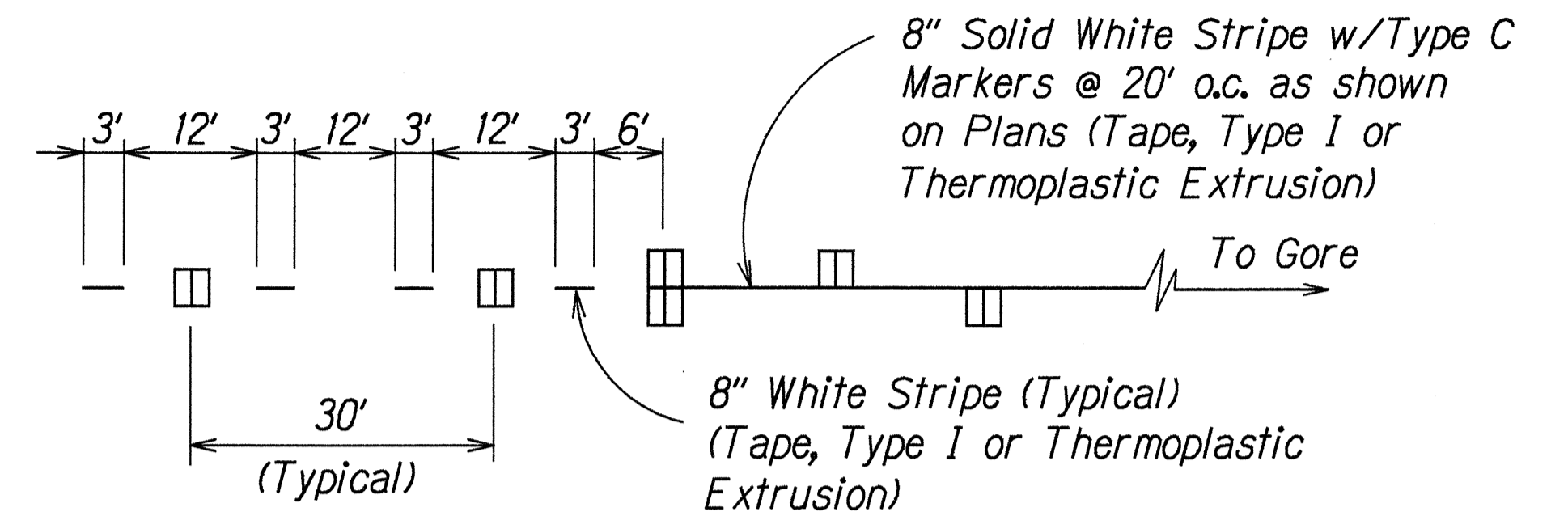
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	61	78

LEGEND

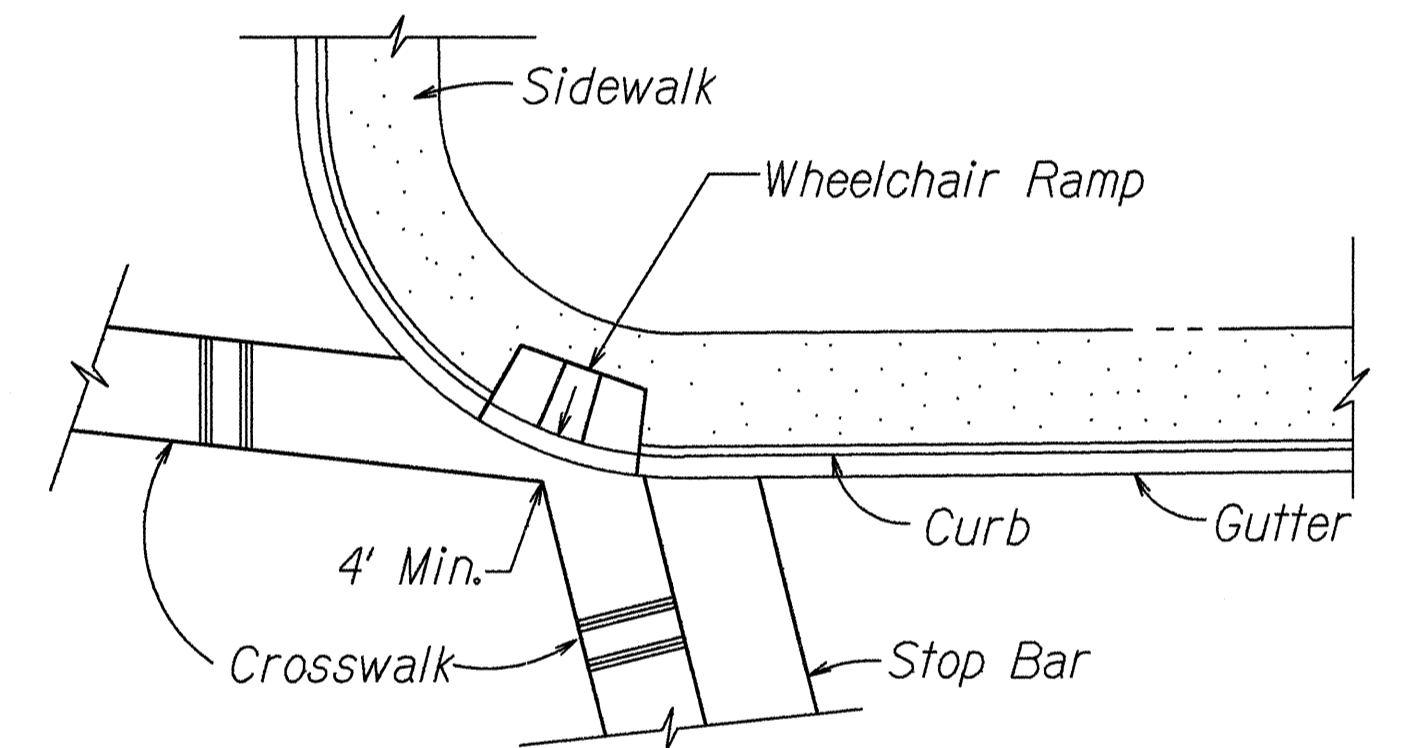
-  4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays)
-  Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type III or Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
Type H Raised Pavement Markers (Reflective Surface facing no-passing direction)
4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c. (Tape, Type III or Thermoplastic Extrusion)

NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
9. Backing for all new Regulatory and Warning Signs shall not be spliced.
10. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
11. Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.
12. The Contractor shall notify the Traffic Signal Branch, Dept. of Transportation Services, City & County of Honolulu, 2 weeks prior to commencing any loop detector work.
13. Dept. of Transportation Services, City & County of Honolulu, will assist the Engineer in construction inspection for the loop detector work.
14. The exact locations of the new loop detectors shall be determined in the field by the Engineer.
15. Loop detectors damaged during the Contractor's reconstruction of pavement areas or cold planing operation, shall be replaced within 48 hours. Replacement and location of the new loop detectors shall be as directed by the Engineer.
16. The Contractor shall install construction signs as noted on the plans. At the Project completion, these signs and posts shall become the property of the State. The Contractor shall remove and deliver these signs and posts to a location as directed by the Engineer. The contract price paid shall be full compensation for all excavation and backfilling, for furnishing, installing, removing and delivering all materials and for all equipment, tools, and incidentals necessary to complete the work.



LANE DROP MARKING
Not to Scale



TYPICAL CROSSWALK MARKING AT WHEELCHAIR RAMP
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	2/23/95
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	

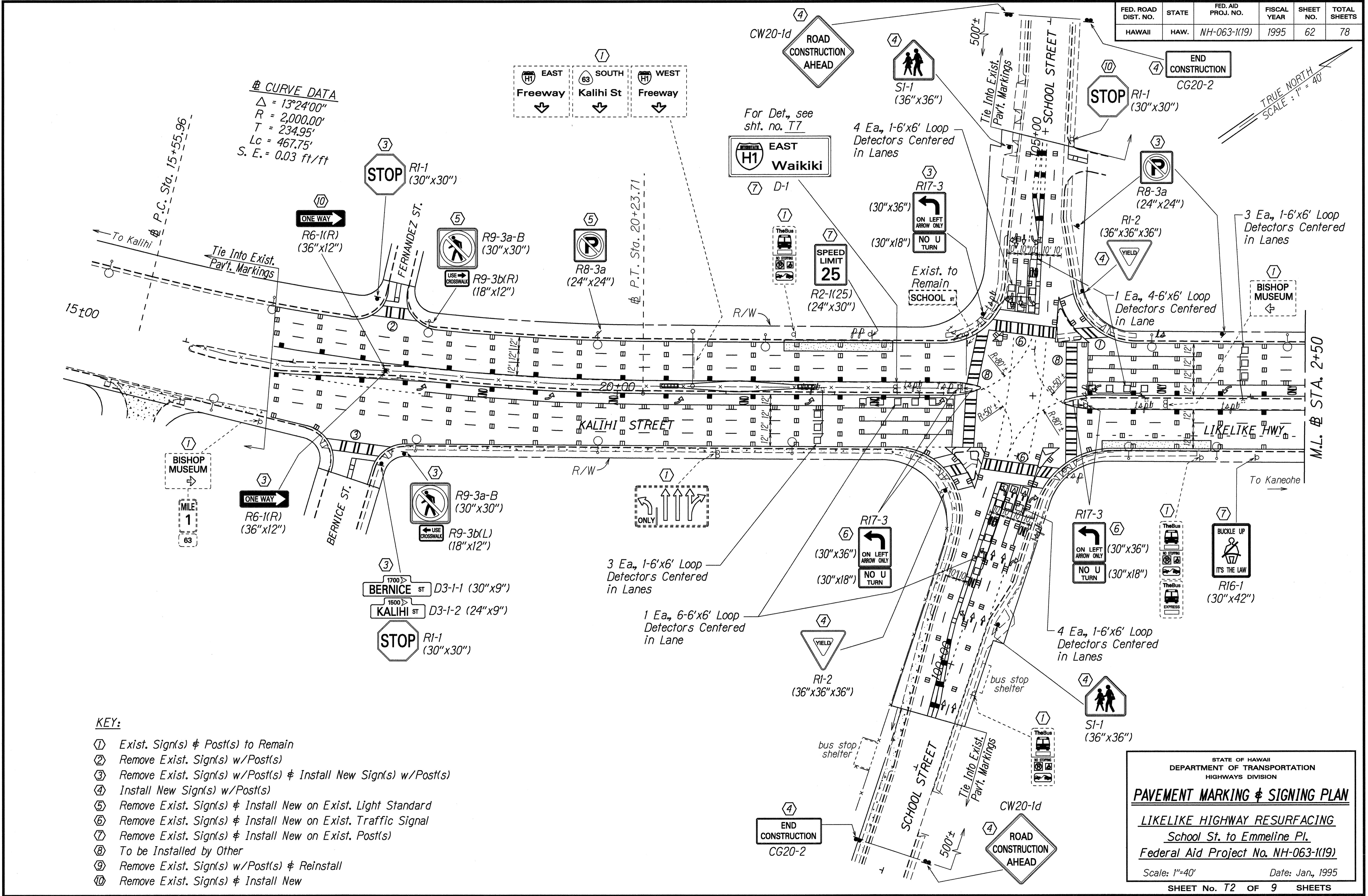
6/20/95	Added Typical Crosswalk Marking at Wheelchair Ramp.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING
LEGEND, DETAILS & NOTES
LIKELIKE HIGHWAY RESURFACING
School St. to Emmeline Pl.
Federal Aid Project No. NH-063-1(19)
Not to Scale Date: Feb., 1995

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	62	78

CURVE DATA
 $\Delta = 13^{\circ}24'00''$
 $R = 2,000.00'$
 $T = 234.95'$
 $Lc = 467.75'$
 $S. E. = 0.03 \text{ ft/ft}$



- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) w/Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Light Standard
 - ⑥ Remove Exist. Sign(s) & Install New on Exist. Traffic Signal
 - ⑦ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑧ To be Installed by Other
 - ⑨ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑩ Remove Exist. Sign(s) & Install New

DATE: 1/10/95
 SURVEY PLOTTED BY: [Blank]
 DRAWN BY: R. Hill
 TRACED BY: G. Kishida
 DESIGNED BY: [Blank]
 CHECKED BY: [Blank]

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

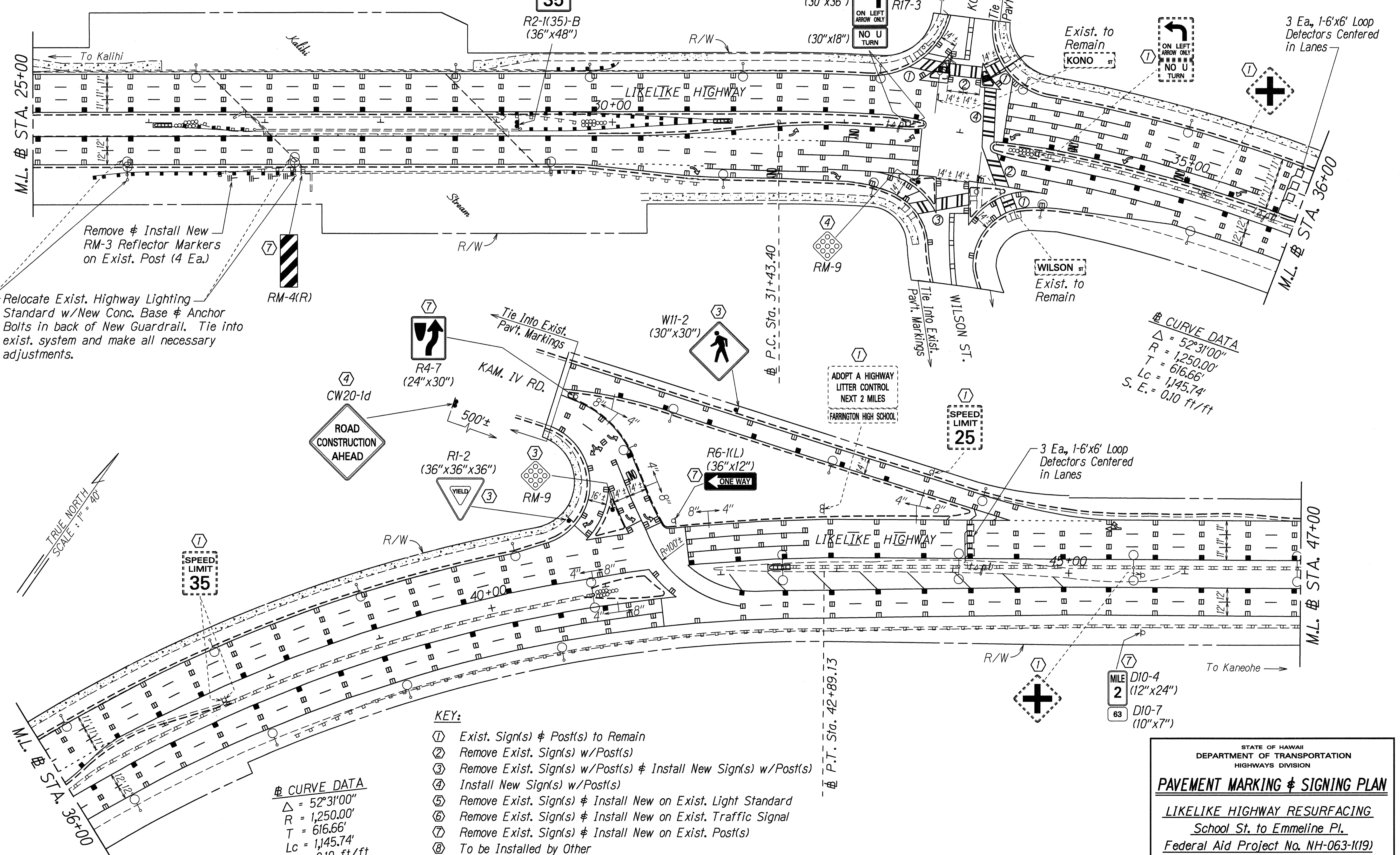
LIKELIKE HIGHWAY RESURFACING
 School St. to Emmeline Pl.
 Federal Aid Project No. NH-063-1(19)

Scale: 1"=40' Date: Jan., 1995

SHEET No. T2 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	64	78

TRUE NORTH
SCALE: 1" = 40'



Remove & Install New RM-3 Reflector Markers on Exist. Post (4 Ea.)

Relocate Exist. Highway Lighting Standard w/New Conc. Base & Anchor Bolts in back of New Guardrail. Tie into exist. system and make all necessary adjustments.

CURVE DATA
 $\Delta = 52^{\circ}31'00''$
 $R = 1,250.00'$
 $T = 616.66'$
 $Lc = 1,145.74'$
 $S. E. = 0.10 \text{ ft/ft}$

TRUE NORTH
SCALE: 1" = 40'

CURVE DATA
 $\Delta = 52^{\circ}31'00''$
 $R = 1,250.00'$
 $T = 616.66'$
 $Lc = 1,145.74'$
 $S. E. = 0.10 \text{ ft/ft}$

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) w/Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Light Standard
 - ⑥ Remove Exist. Sign(s) & Install New on Exist. Traffic Signal
 - ⑦ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑧ To be Installed by Other
 - ⑨ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑩ Remove Exist. Sign(s) & Install New

SURVEY PLOTTED BY	DATE
DRAWN BY	1/10/95
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

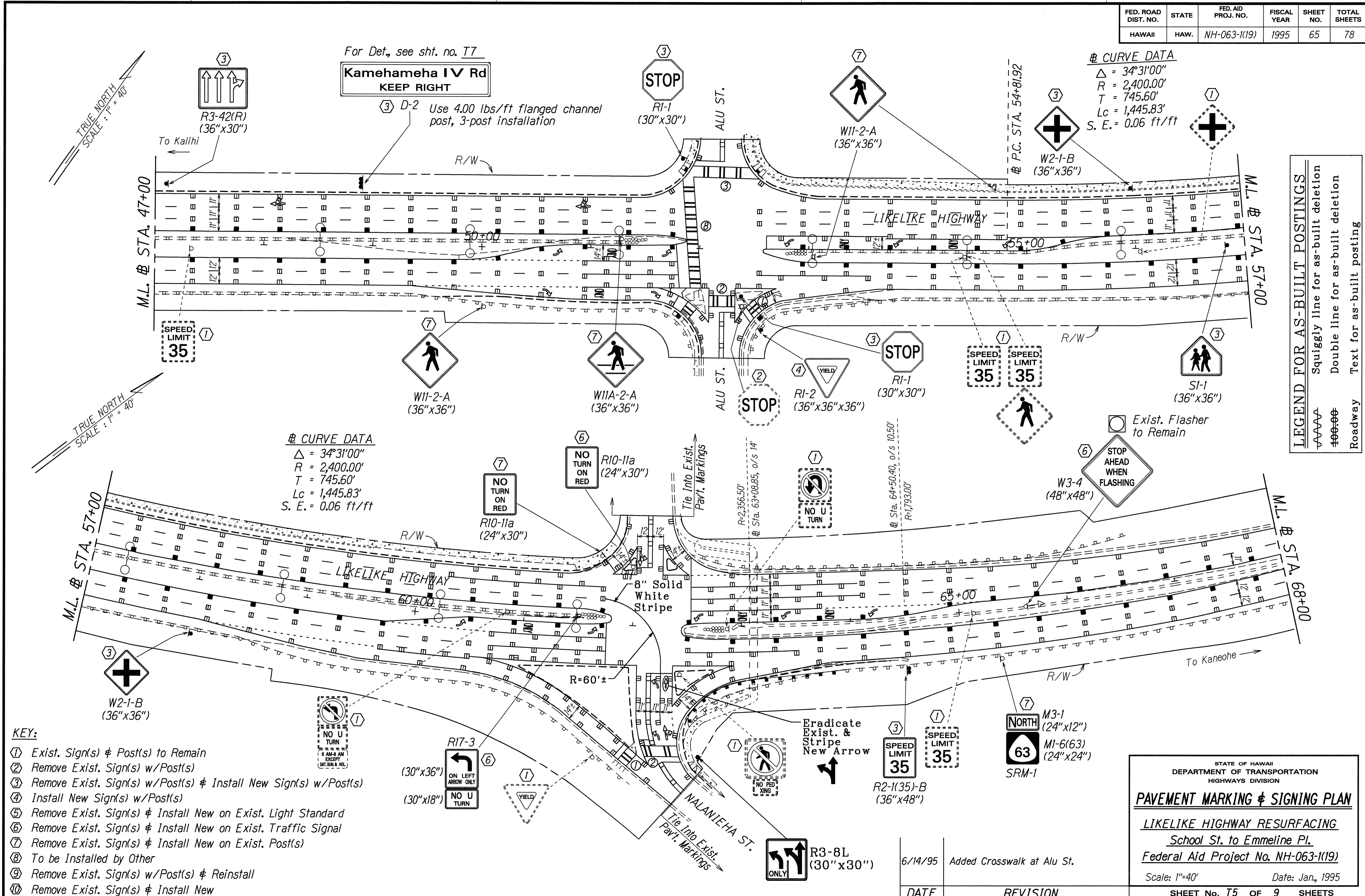
PAVEMENT MARKING & SIGNING PLAN

LIKELIKE HIGHWAY RESURFACING
School St. to Emmeline Pl.
Federal Aid Project No. NH-063-1(19)

Scale: 1"=40' Date: Jan., 1995

SHEET No. 74 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	65	78



CURVE DATA
 $\Delta = 34^{\circ}31'00''$
 $R = 2,400.00'$
 $T = 745.60'$
 $Lc = 1,445.83'$
 $S. E. = 0.06 \text{ ft/ft}$

CURVE DATA
 $\Delta = 34^{\circ}31'00''$
 $R = 2,400.00'$
 $T = 745.60'$
 $Lc = 1,445.83'$
 $S. E. = 0.06 \text{ ft/ft}$

LEGEND FOR AS-BUILT POSTINGS
 Squiggly line for as-built deletion
 Double line for as-built deletion
 Text for as-built posting

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) w/Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Light Standard
 - ⑥ Remove Exist. Sign(s) & Install New on Exist. Traffic Signal
 - ⑦ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑧ To be Installed by Other
 - ⑨ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑩ Remove Exist. Sign(s) & Install New

DATE	1/21/95
SURVEY PLOTTED BY	
DRAWN BY	E. Acil
INCHES BY	G. Kashi
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	21044

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

LIKELIKE HIGHWAY RESURFACING
 School St. to Emmeline Pl.
 Federal Aid Project No. NH-063-1(19)

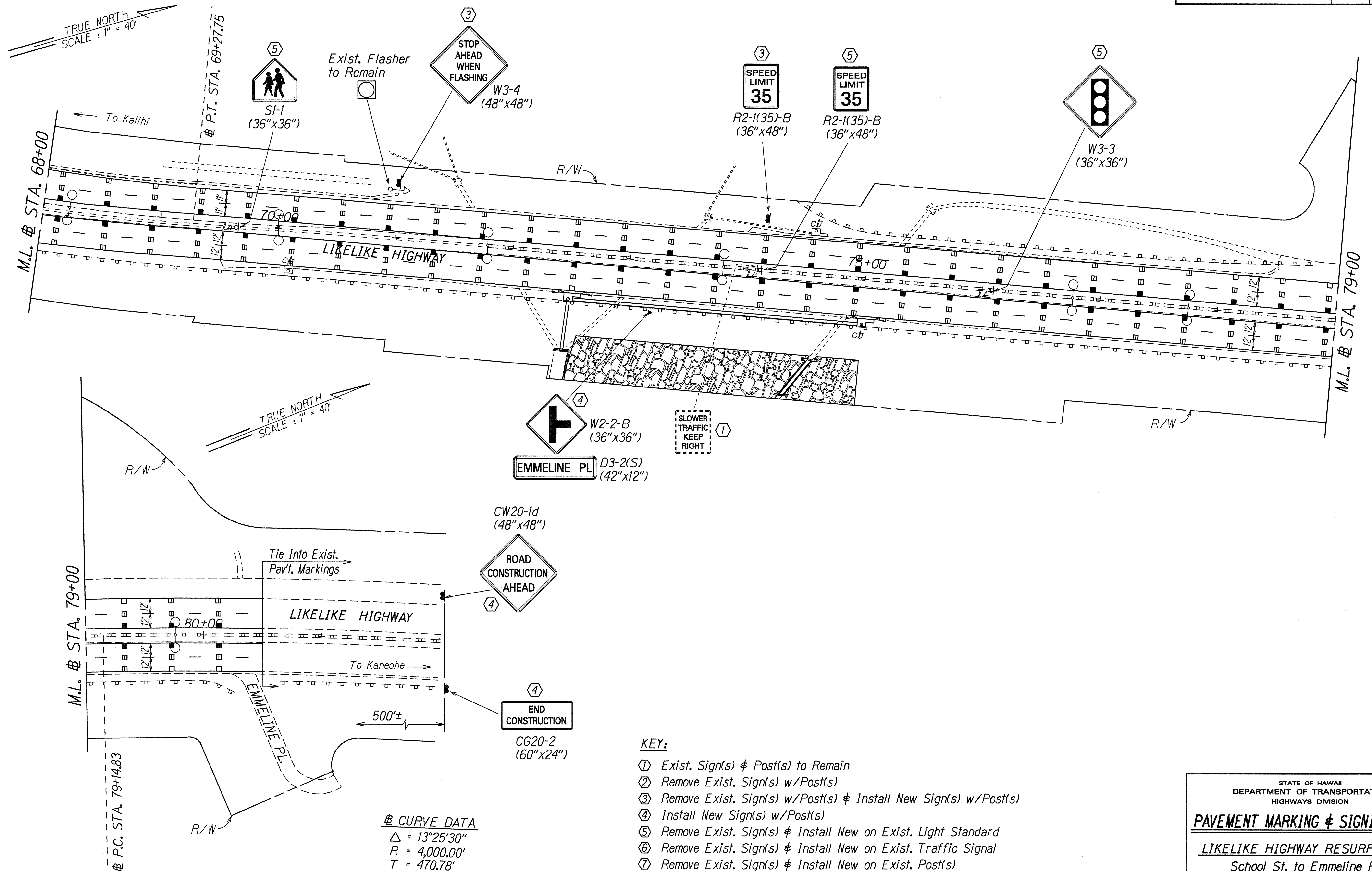
Scale: 1"=40' Date: Jan., 1995

SHEET No. 75 OF 9 SHEETS

DATE	REVISION
6/14/95	Added Crosswalk at Alu St.

AS-BUILT ADD. 65

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	66	78



SURVEY PLOTTED BY	DATE
DRAWN BY E. ACIL	1/20/95
NOTE BOOK	
DESIGNED BY G. KAGCHI	
QUANTITIES BY	
CHECKED BY	
N. 2/1/95	

CURVE DATA
 $\Delta = 13^{\circ}25'30''$
 $R = 4,000.00'$
 $T = 470.78'$
 $L_c = 937.24'$
 $S. E. = 0.04 \text{ ft/ft}$

- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) w/Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Light Standard
 - ⑥ Remove Exist. Sign(s) & Install New on Exist. Traffic Signal
 - ⑦ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑧ To be Installed by Other
 - ⑨ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑩ Remove Exist. Sign(s) & Install New

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

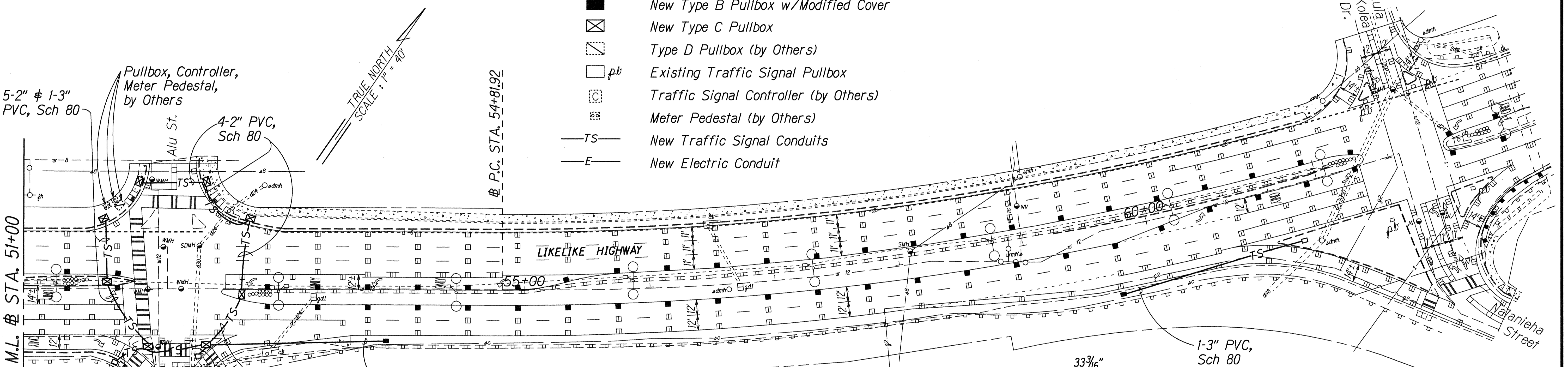
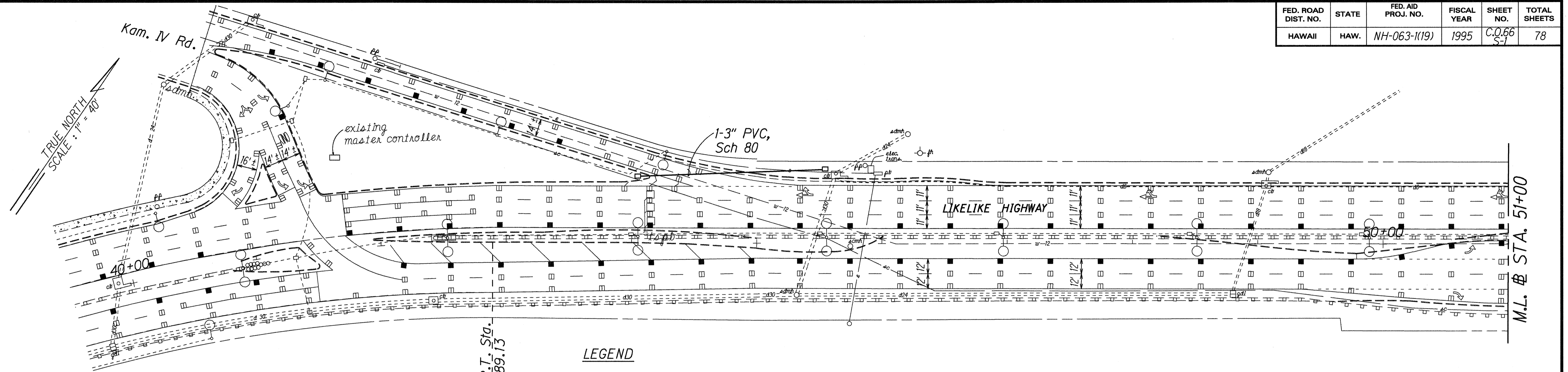
PAVEMENT MARKING & SIGNING PLAN

LIKELIKE HIGHWAY RESURFACING
School St. to Emmeline Pl.
Federal Aid Project No. NH-063-1(19)

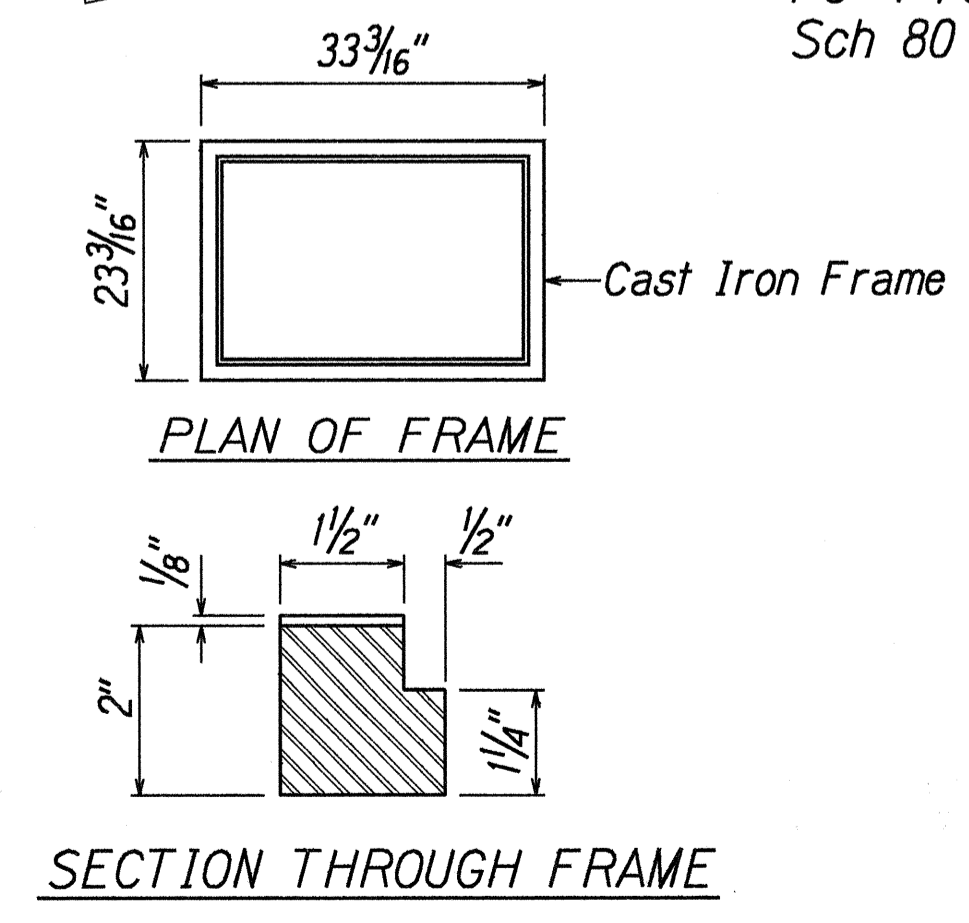
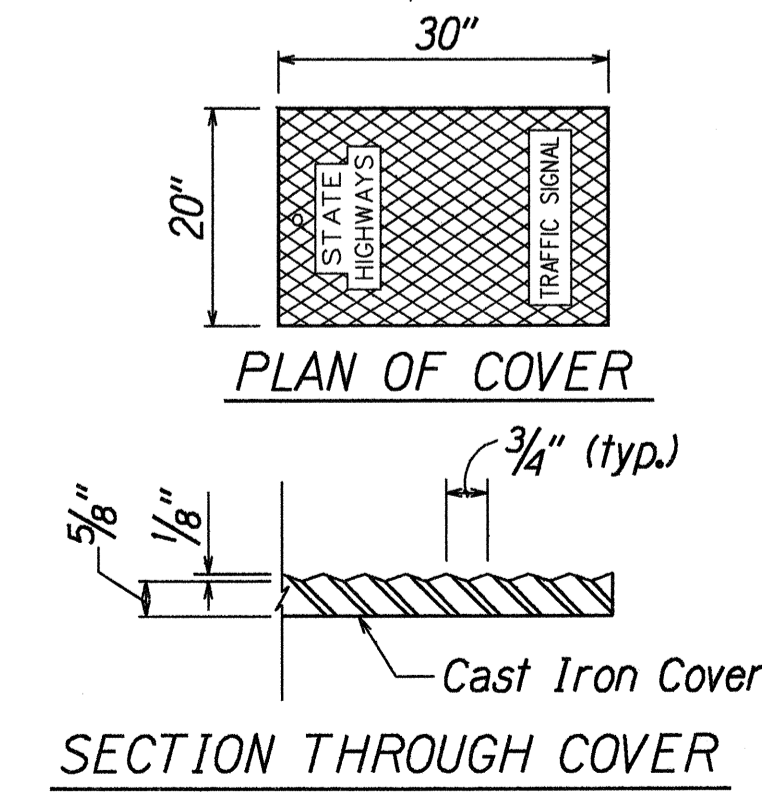
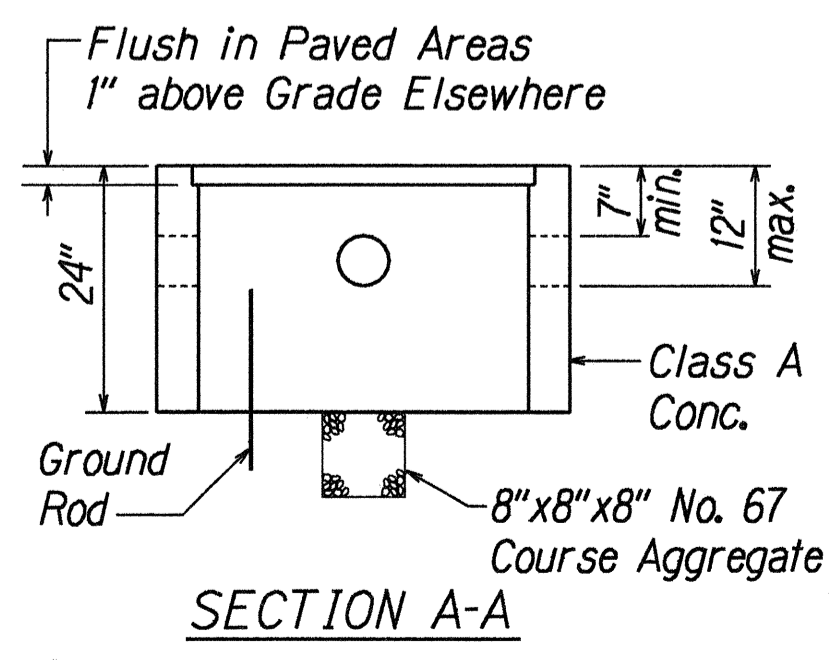
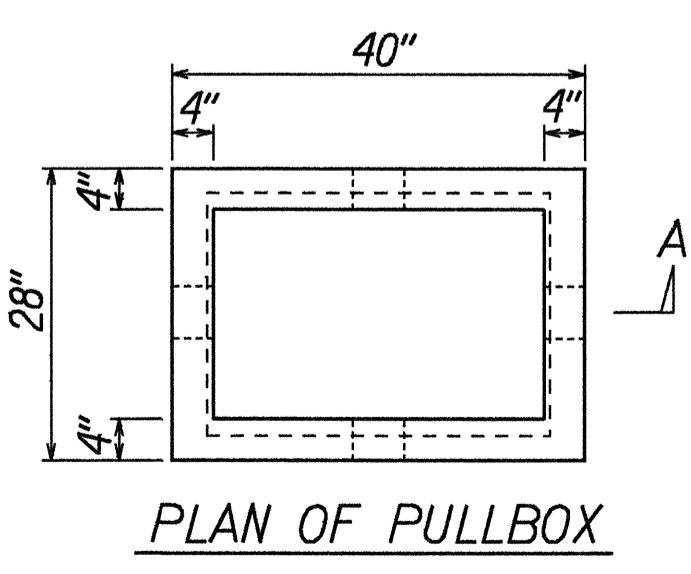
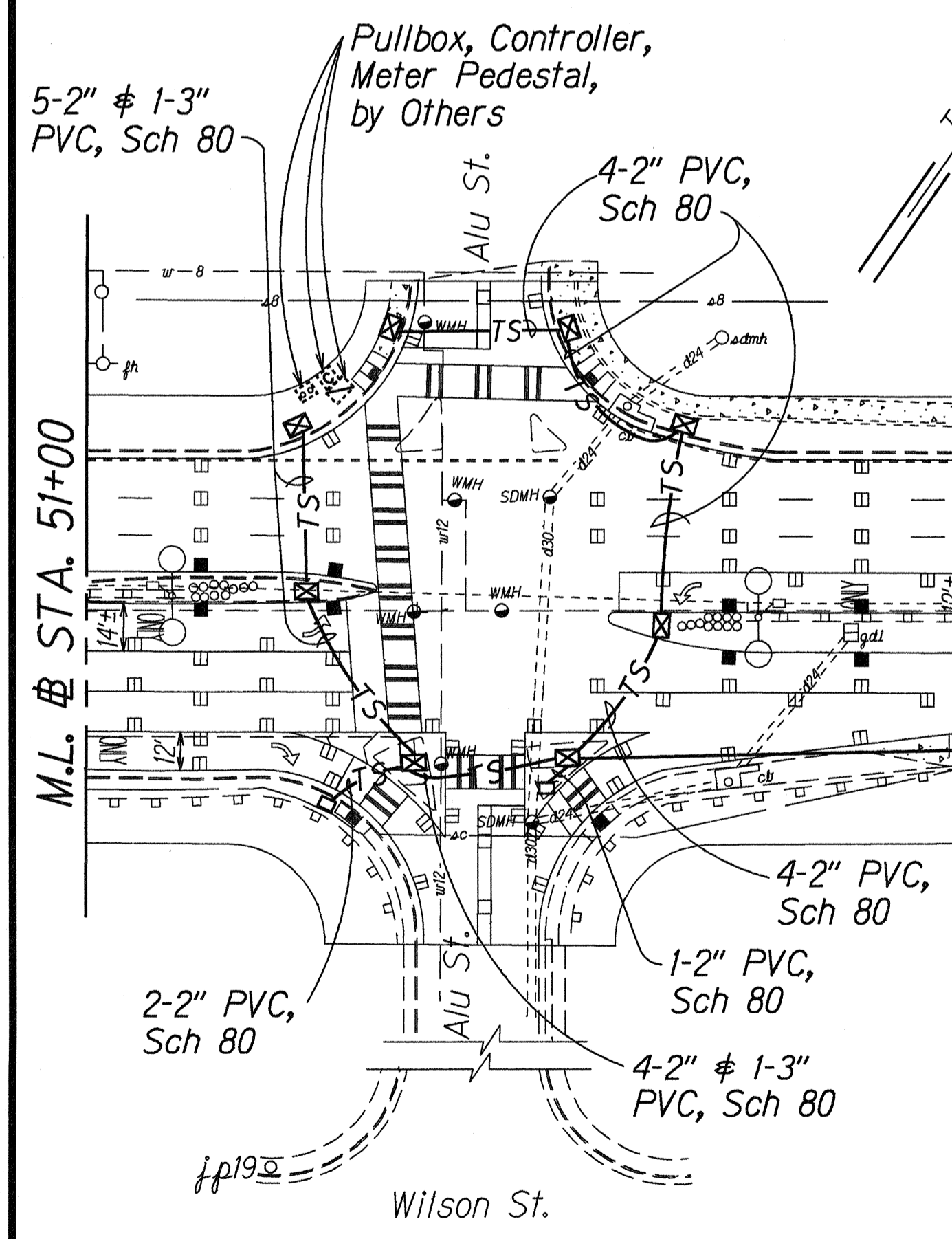
Scale: 1"=40' Date: Jan., 1995

SHEET No. 66 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-063-1(19)	1995	C.O.66S-1	78



- LEGEND**
- New Type B Pullbox
 - New Type B Pullbox w/Modified Cover
 - ⊗ New Type C Pullbox
 - ⊠ Type D Pullbox (by Others)
 - pb Existing Traffic Signal Pullbox
 - ⊙ Traffic Signal Controller (by Others)
 - ⊙ Meter Pedestal (by Others)
 - TS— New Traffic Signal Conduits
 - E— New Electric Conduit



TYPICAL PULLBOX TYPE C
Not to Scale

SURVEY PLOTTED BY	DATE
DRAWN BY	
NOTED BY	
CHECKED BY	
DATE	

9/17/96	Install Conduits & Pullboxes for future Traffic Signal Project. Detail, Type C Pullbox.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PARTIAL TRAFFIC SIGNAL PLAN	
LIKELIKE HIGHWAY RESURFACING School St. to Emmeline Pl. Federal Aid Project No. NH-063-1(19)	
Scale: 1"=40'	Date: Sept., 1996
SHEET No. T6A OF 9 SHEETS	