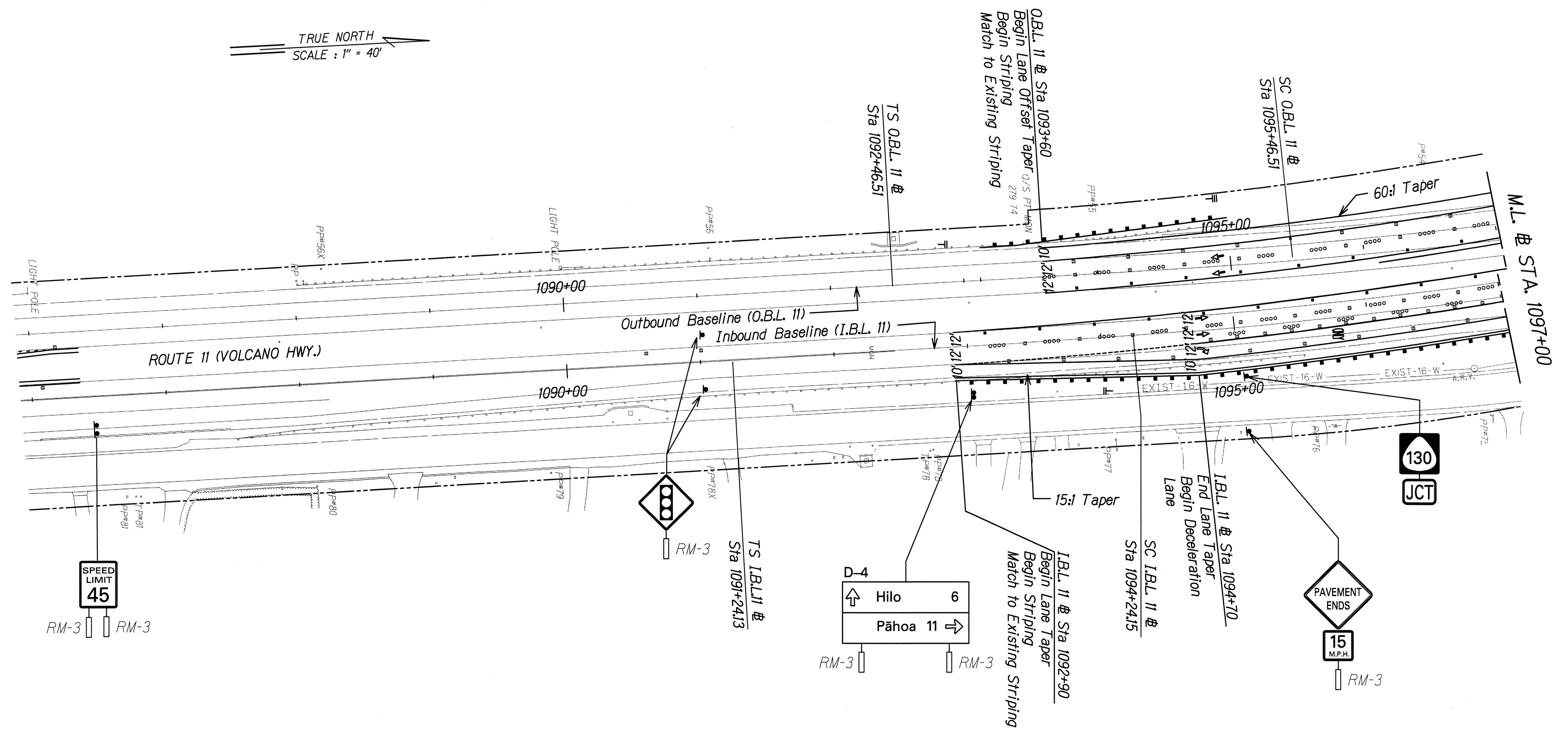


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	88	210

TRUE NORTH  
SCALE : 1" = 40'



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
QUANTIFIED BY	
CHECKED BY	
N. 60555501000	

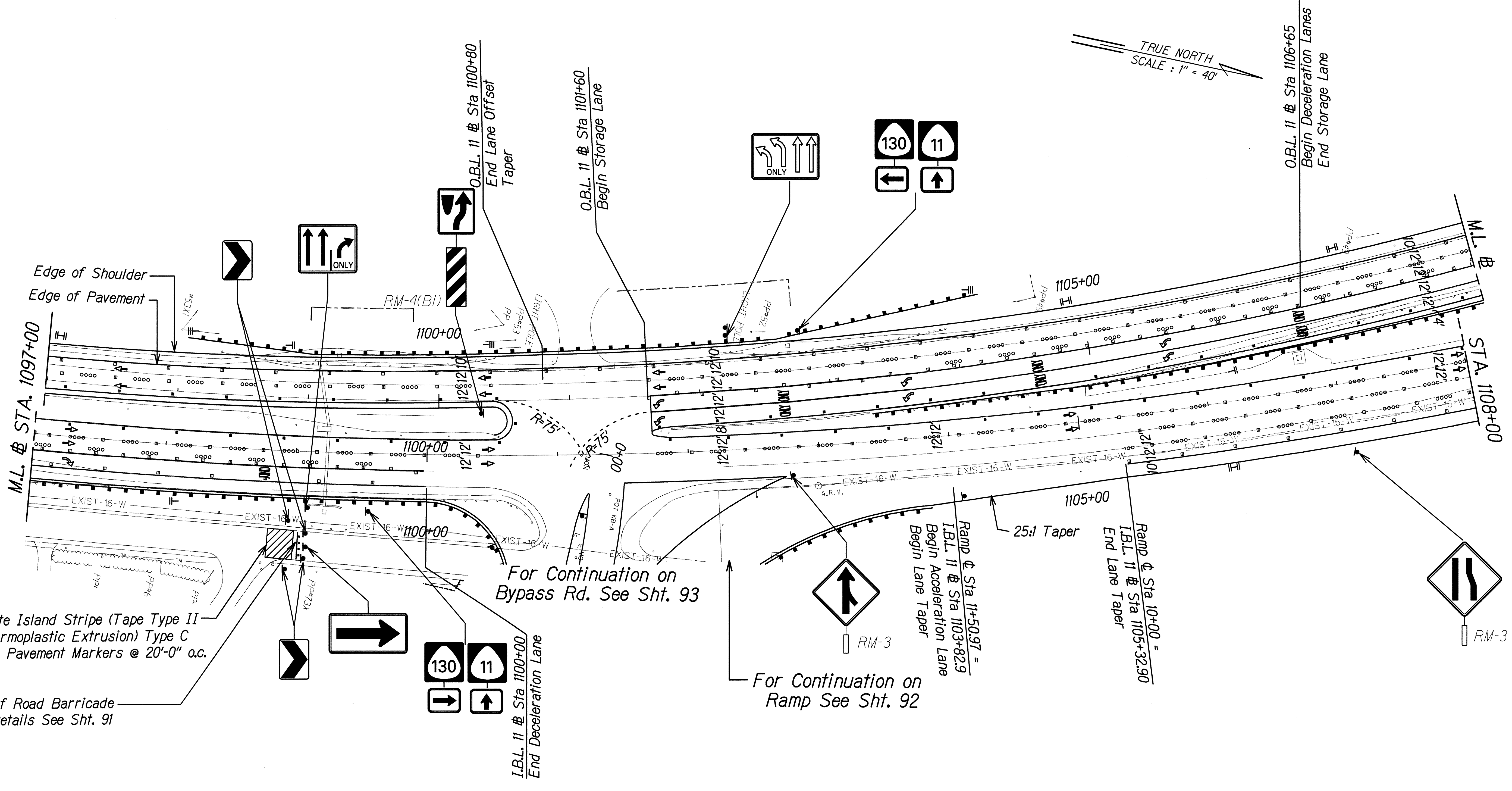


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Nancy E. Burns  
DATE: 8/24/98

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING**  
**ROUTE 11**  
KEA'AU-PAHOA ROAD VIC. OF KEA'AU TOWN (KEA'AU BYPASS ROAD), PH. 2  
PROJECT NO. 130B-01-98  
Scale: 1"=40' Date: August, 1998  
SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	89	210



TRUE NORTH  
SCALE : 1" = 40'

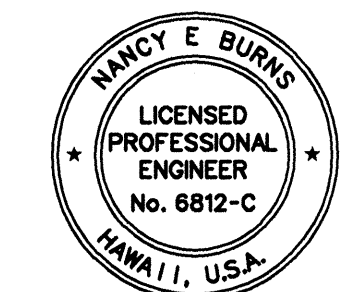
8" White Island Stripe (Tape Type II or Thermoplastic Extrusion) Type C Raised Pavement Markers @ 20'-0" o.c.

End of Road Barricade  
For Details See Sht. 91

For Continuation on  
Bypass Rd. See Sht. 93

For Continuation on  
Ramp See Sht. 92

DATE	.....
SURVEY PLOTTED BY	.....
DRAWN BY	.....
CHECKED BY	.....
ORIGINAL PLAN	.....
NOTE BOOK	.....
NA 60155502/00M	.....



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Nancy E. Burns  
DATE: 8/24/98

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

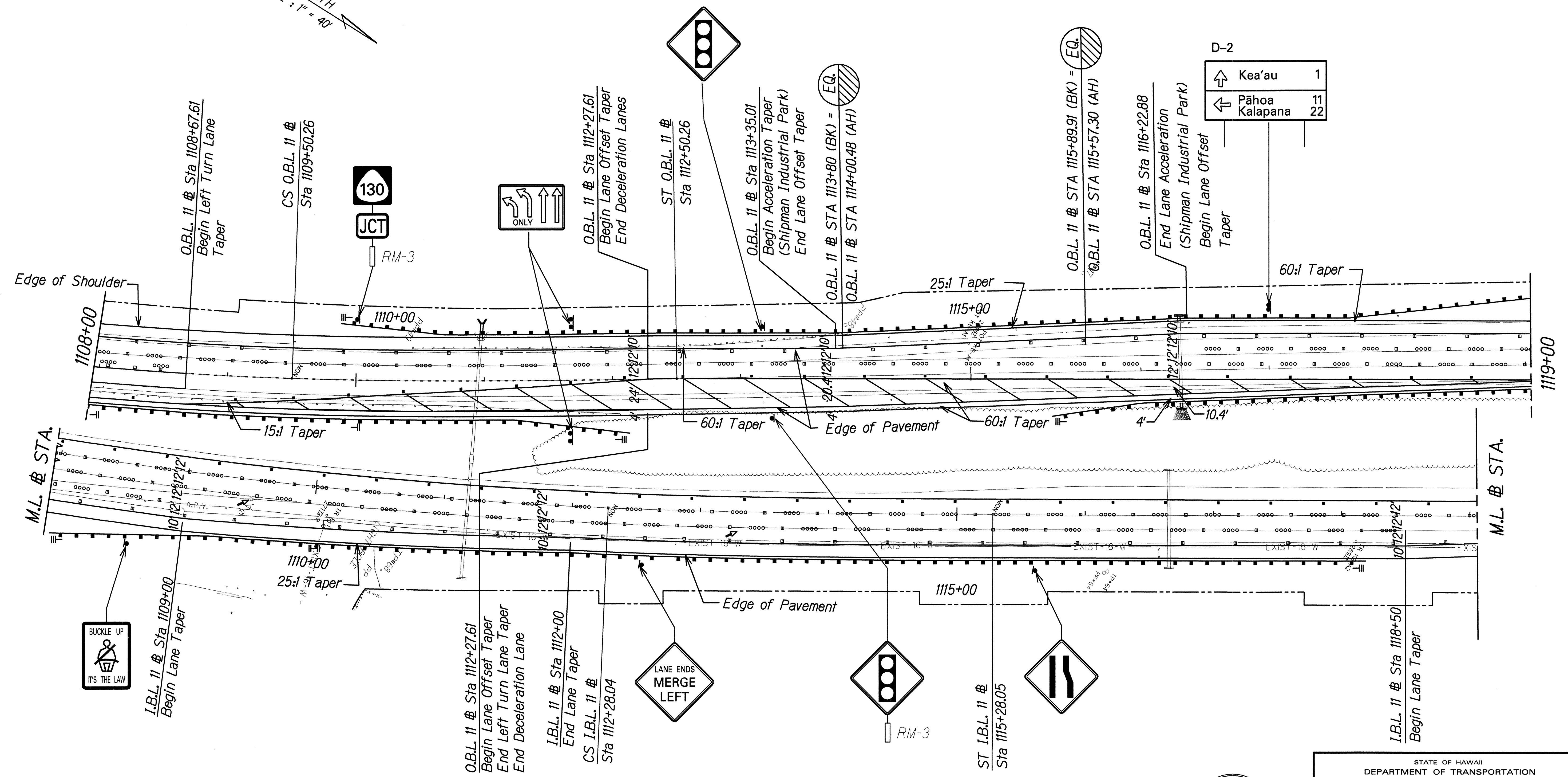
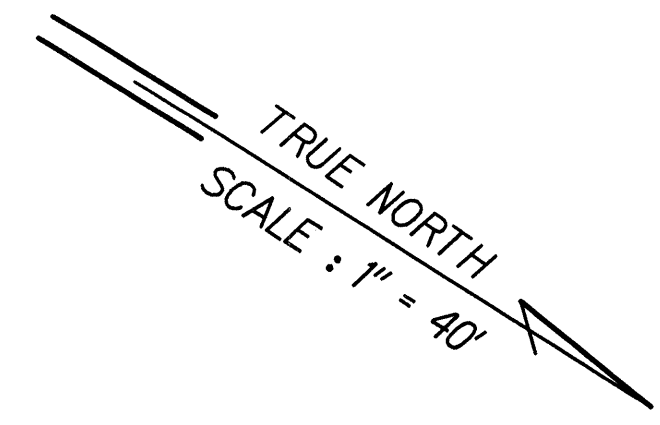
**SIGNING & STRIPING**  
**ROUTE 11**

KEA'AU-PAHOA ROAD VIC. OF KEA'AU  
TOWN (KEA'AU BYPASS ROAD), PH. 2

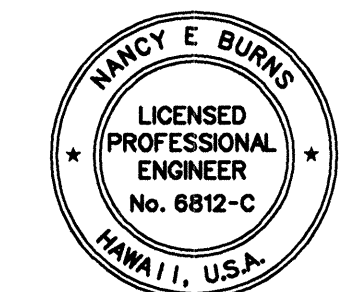
PROJECT NO. 130B-01-98

Scale: 1"=40' Date: August, 1998

SHEET No. 2 OF 4 SHEETS



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	
N. 60155502420	

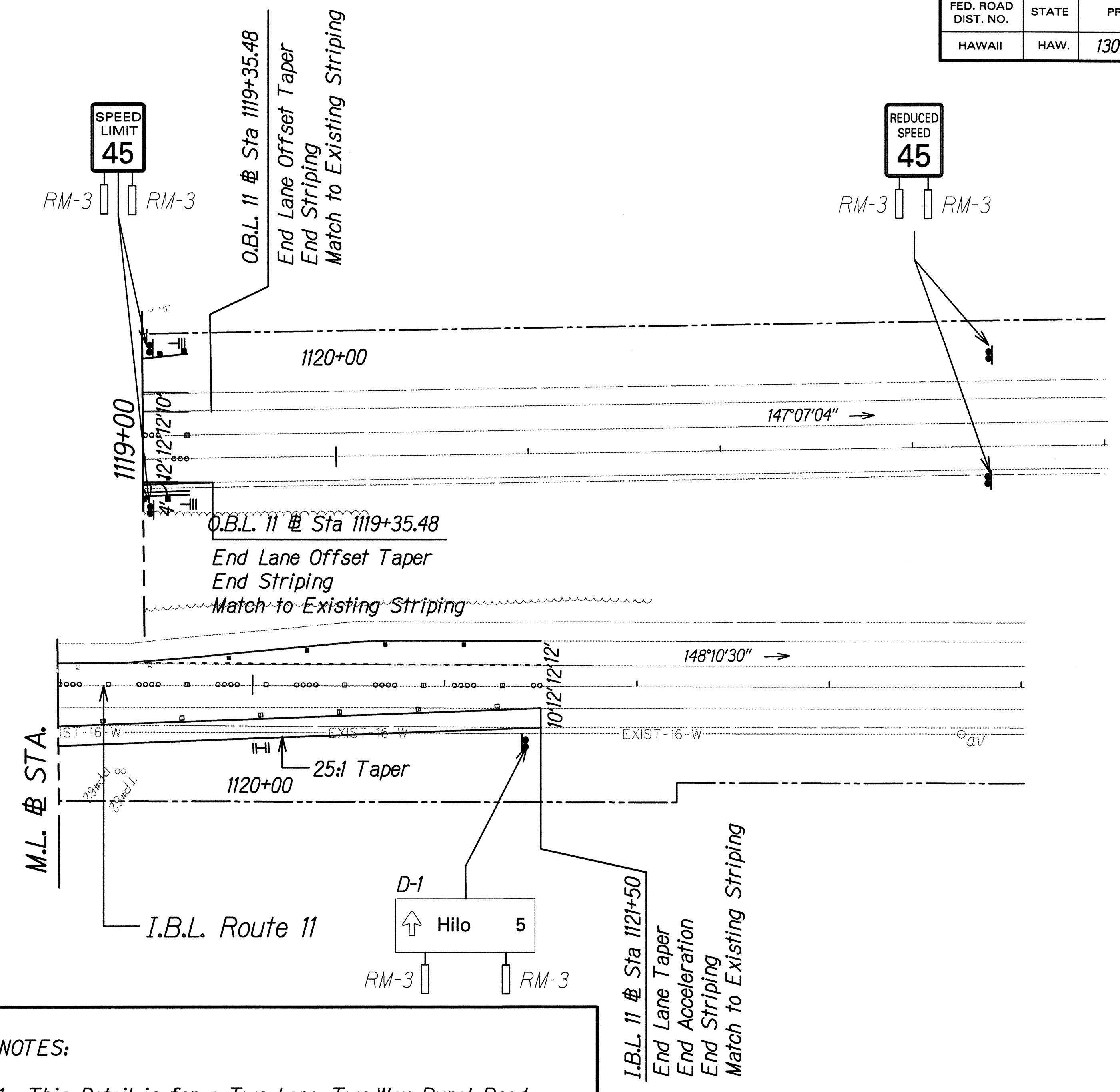


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*Nancy E. Burns*  
 DATE: 8/24/98

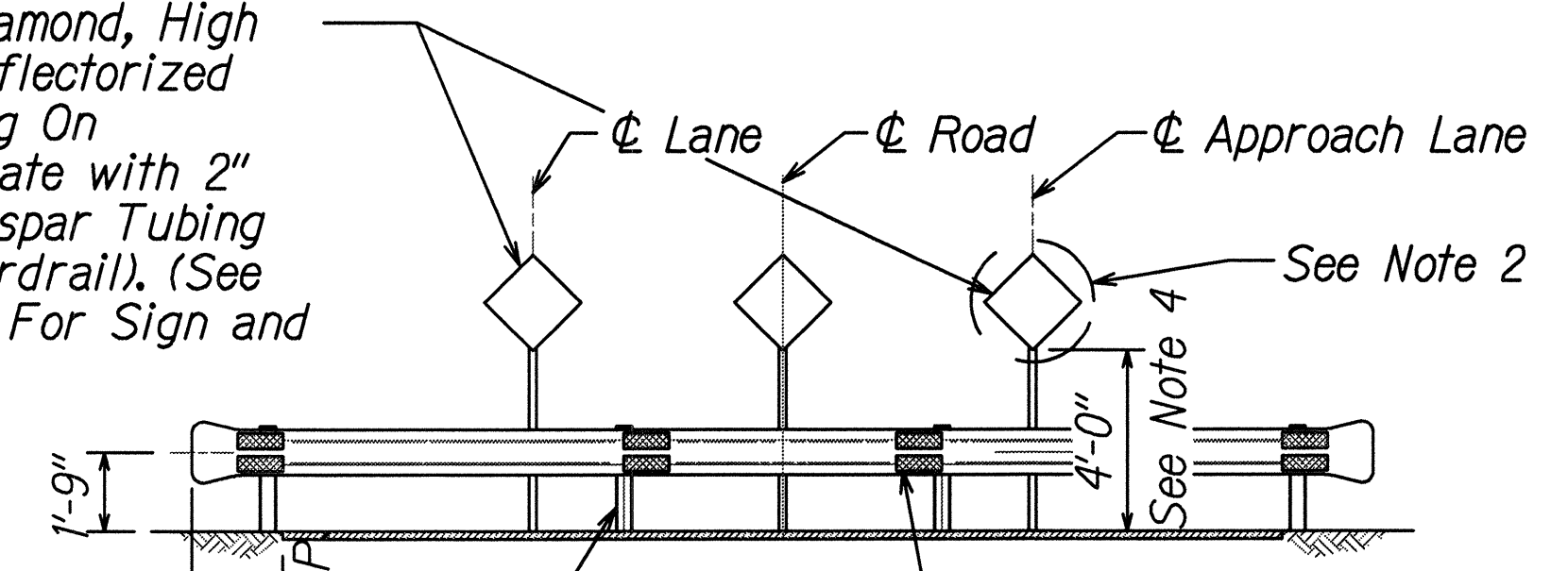
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING & STRIPING**  
**ROUTE 11**  
 KEA'AU-PAHOA ROAD VIC. OF KEA'AU  
 TOWN (KEA'AU BYPASS ROAD), PH. 2  
 PROJECT NO. 130B-01-98  
 Scale: 1"=40' Date: August, 1998  
 SHEET No. 3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	91	210

TRUE NORTH  
SCALE: 1" = 40'

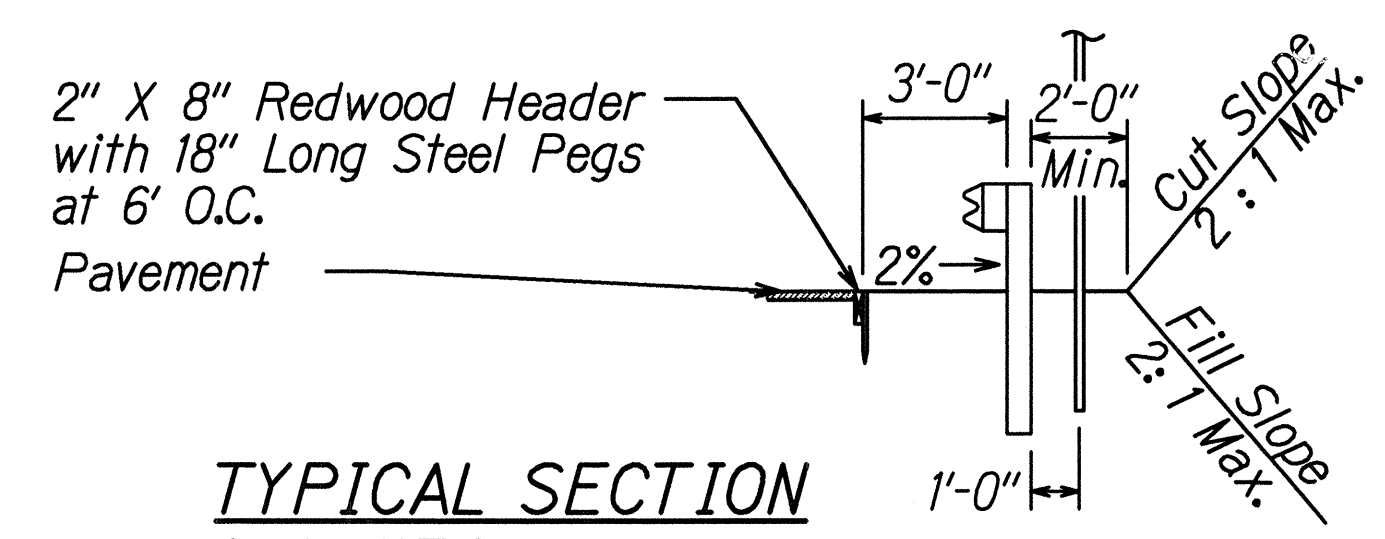


18" X 18" Diamond, High Intensity Reflectorized Red Sheeting On Aluminum Plate with 2" Square Telespar Tubing (Behind Guardrail). (See Std. Details For Sign and Post).



Attach 4" X 12" Pressure-Sensitive High Intensity Reflective Yellow Sheeting (2 Each) On Guardrail at 6' O.C. Max. Use Scotchlite 3811 or Equal.

**TYPICAL ELEVATION**  
Scale: N.T.S.



**TYPICAL SECTION**  
Scale: N.T.S.

**END BARRICADE DETAIL**

**NOTES:**

1. This Detail is for a Two Lane, Two-Way Rural Road with Maximum Speed Limit of 25 MPH. For Wider and Faster Roads, More and Larger Signs May be Required. Refer to MUTCD or Coordinate with Traffic Division for Requirements.
2. For End of Road with Access to Side Streets at 90 ± to The Right or Left, Use Appropriate Sign in Lieu of 18" X 18" Diamond (at Approach Lane Location): (E.G., W1-7).
3. Use Appropriate Advance Warning Signs, Where Shown on Plans and Per MUTCD (E.G., W1-IR, W20-3, W14-1)
4. Increase Height of The High Intensity Red Signs When The Approach is on a Vertical Curve That Obstructs The Visibility of Red Markers. Desirable Minimum Sight-Distance For The Red Marker Should be at Least 500 Feet.
5. The Barricade and Signs Should be Placed at Approximately 90° to The Roadway for The Reflective Sheeting and Markers to be Effective.

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
APPROVED BY	
DATE	



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Nancy E. Burns  
DATE: 8/24/98

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING**

**ROUTE 11**

KEA'AU-PAHOA ROAD VIC. OF KEA'AU TOWN (KEA'AU BYPASS ROAD), PH. 2

PROJECT NO. 130B-01-98

Scale: 1"=40' Date: August, 1998

SHEET No. 4 OF 4 SHEETS