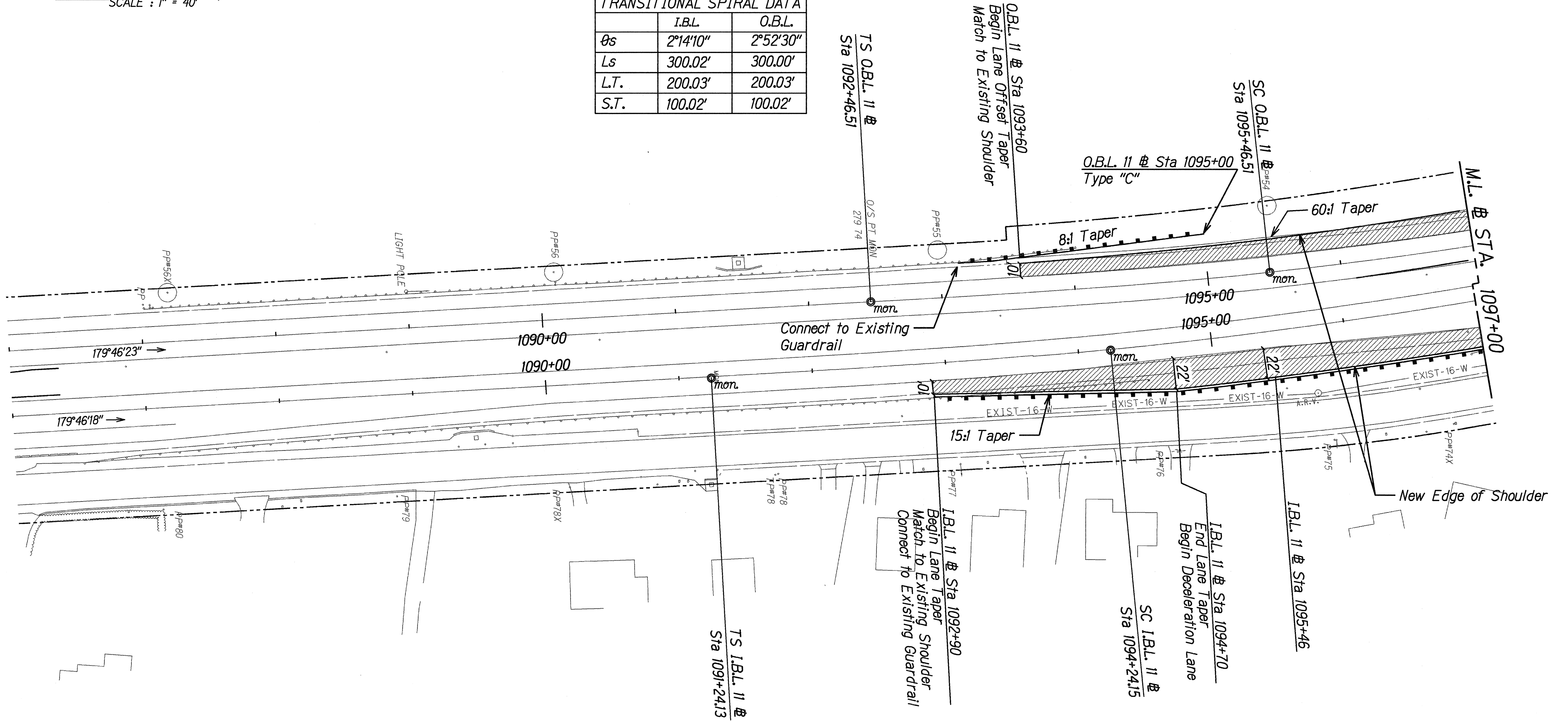


TRUE NORTH
SCALE : 1" = 40'

TRANSITIONAL SPIRAL DATA		
	I.B.L.	O.B.L.
θ_s	2°14'10"	2°52'30"
L_s	300.02'	300.00'
$L.T.$	200.03'	200.03'
$S.T.$	100.02'	100.02'



DATE	_____
DESIGNED BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____

LEGEND	
New Pavement	

- Note:
- See sht 81 for Guardrail Schedule and Approximate Linear Feet of Gurardrails



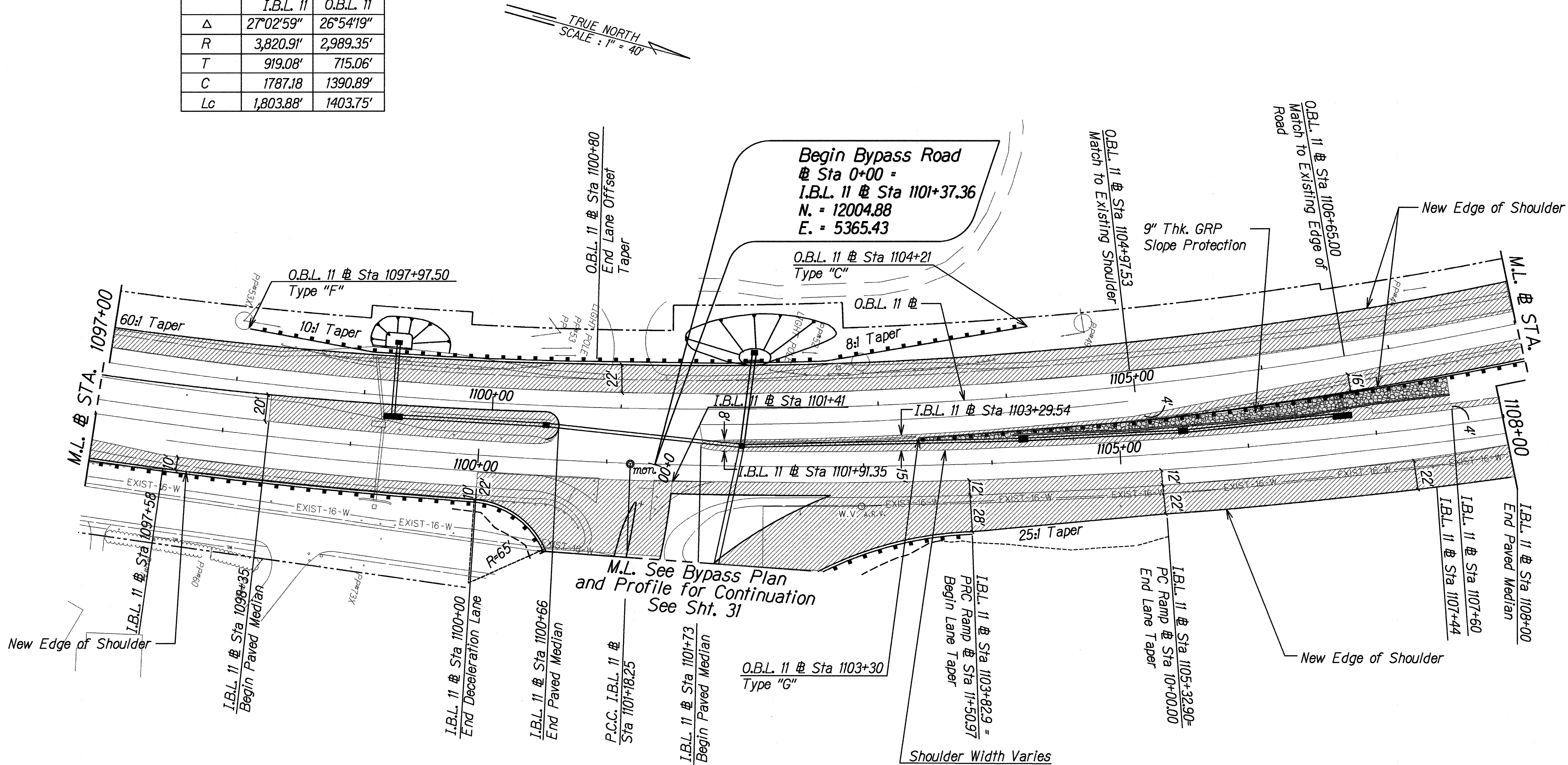
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Nancy E. Burns
DATE: 8/29/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT WIDENING PLAN
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

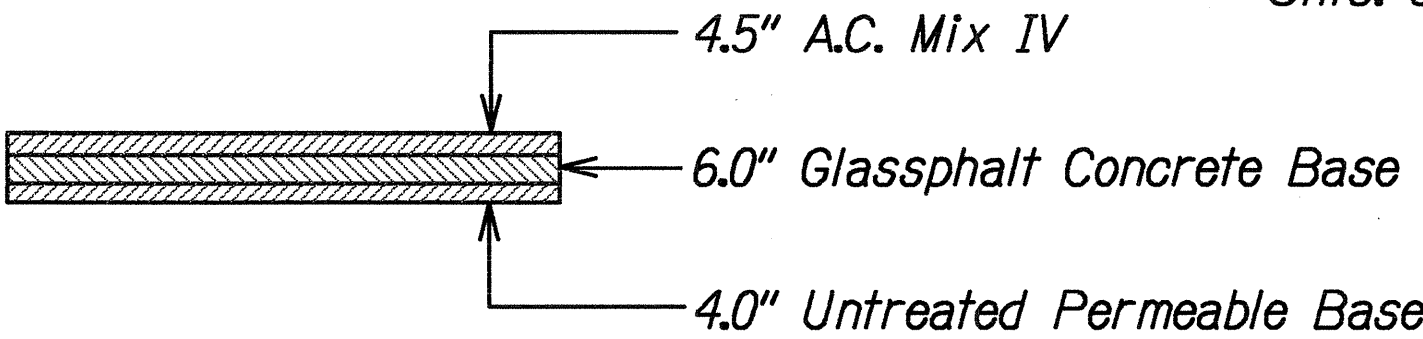
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	23	210

CURVE DATA		
	I.B.L. 11	O.B.L. 11
Δ	27°02'59"	26°54'19"
R	3,820.91'	2,989.35'
T	919.08'	715.06'
C	1787.18	1390.89'
Lc	1,803.88'	1403.75'



LEGEND	
New Pavement	
9" Thk. GRP Slope Protection	

Note:
For Drainage System See Shts. 61-75



Typical Section for All Median Sections
Scale: N.T.S.



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Nancy E. Burns
DATE: 8/24/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

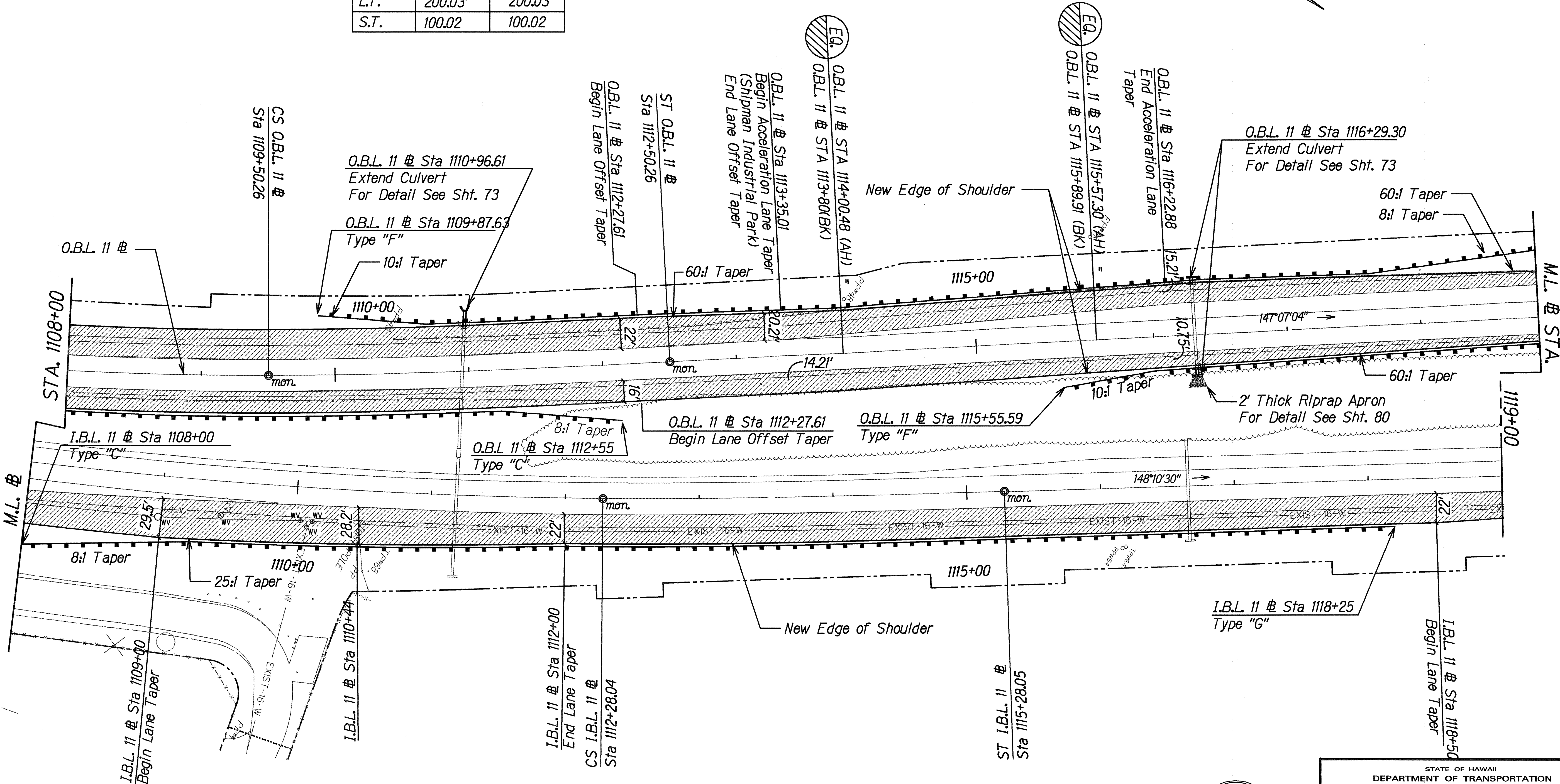
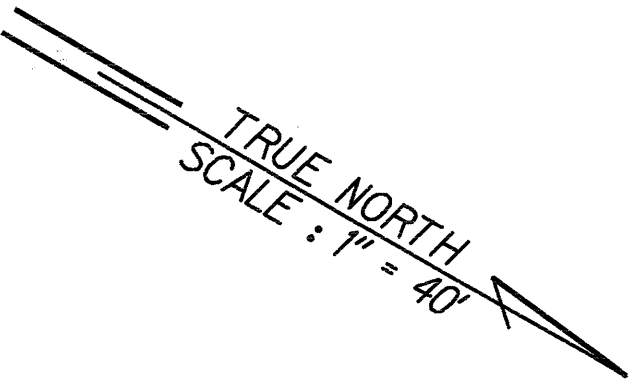
PAVEMENT WIDENING PLAN
ROUTE 11
KEA'AU-PAHOA ROAD VIC. OF KEA'AU TOWN (KEA'AU BYPASS ROAD), PH. 2
PROJECT NO. 130B-01-98
Scale: 1"=40'
Date: August, 1998

SHEET No. 2 OF 4 SHEETS

DESIGNED BY	DATE
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	24	210

TRANSITIONAL SPIRAL DATA		
	I.B.L.	O.B.L.
θ_s	2°15'00"	2°52'30"
L_s	300.00'	300.00'
$L.T.$	200.03'	200.03'
$S.T.$	100.02	100.02



LEGEND	
New Pavement	

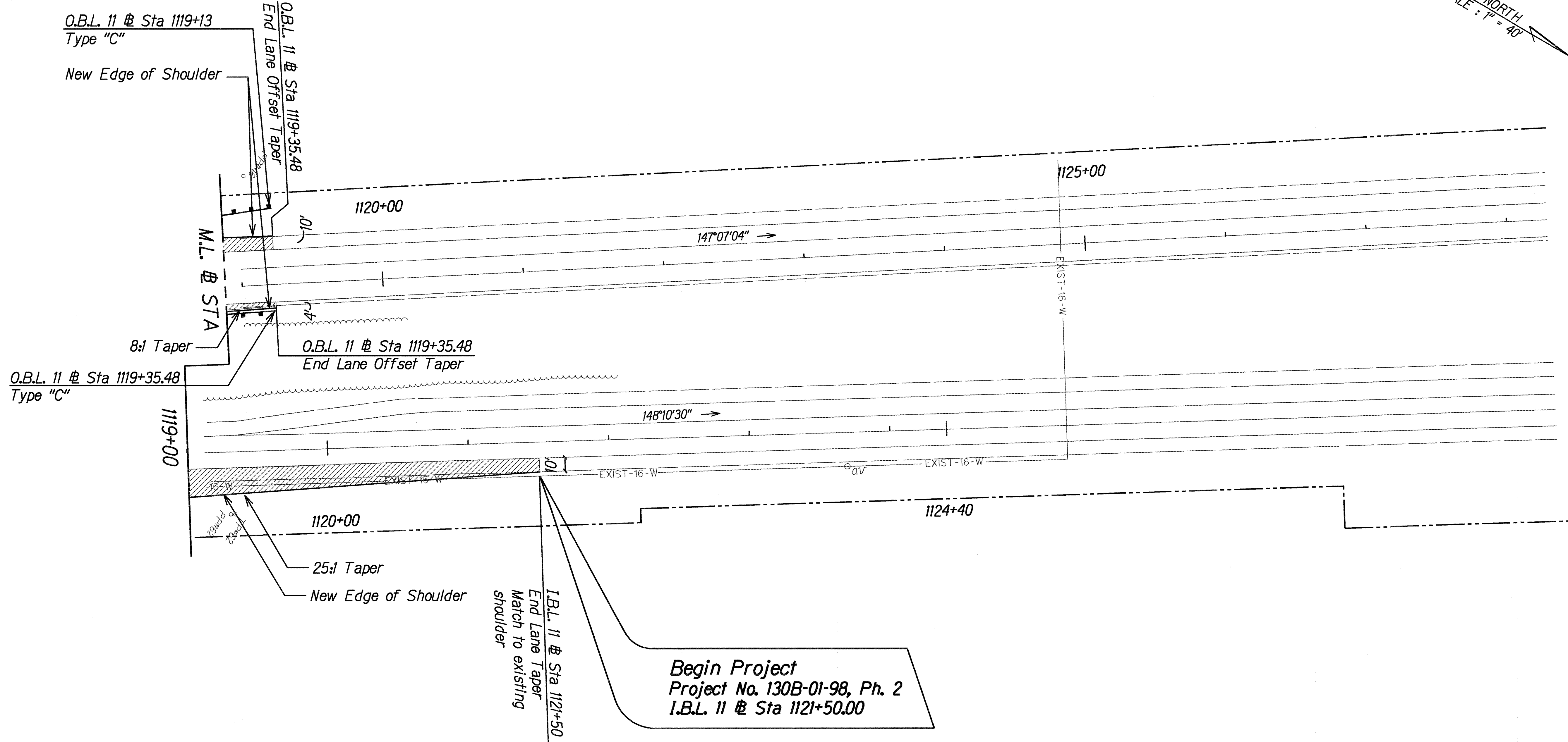
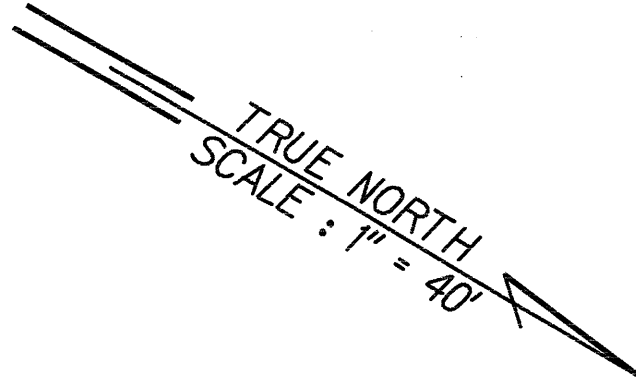
ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



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Nancy E. Burns
 DATE: 8/29/98

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT WIDENING PLAN
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	25	210



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTE BOOK	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
DATE	_____
FILED	_____

LEGEND	
New Pavement	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Nancy E. Burns
DATE: 8/24/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT WIDENING PLAN

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