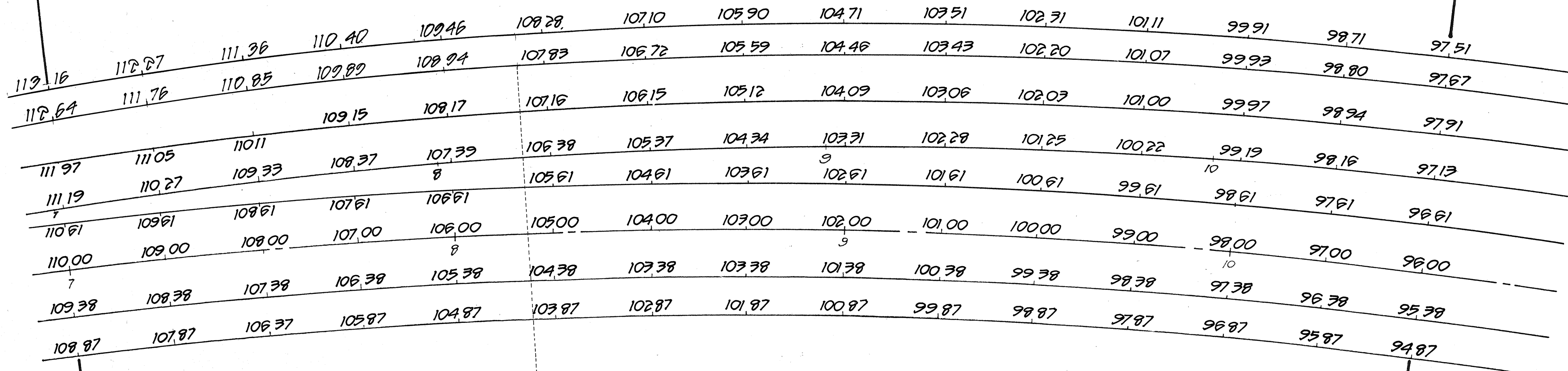
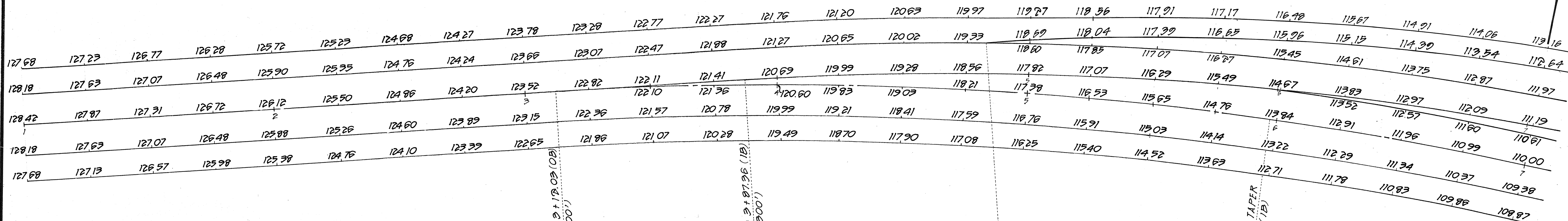
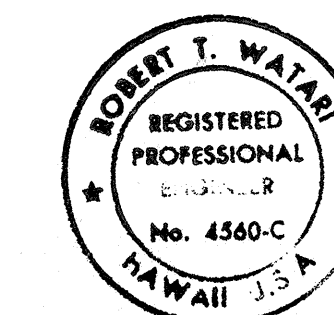


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	36	168



ORIGINAL PLAN	SURVEY PLATTED IN	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



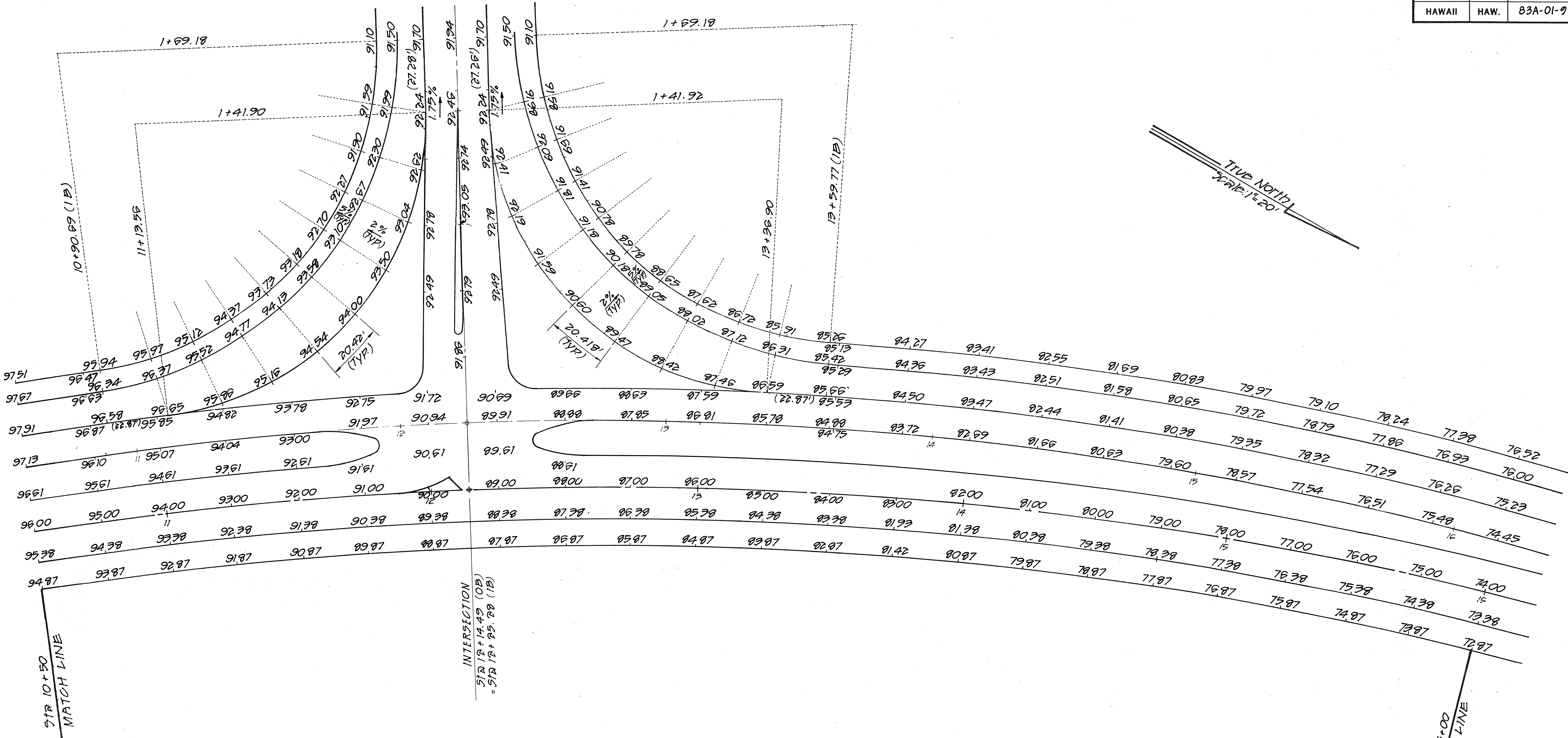
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET No. 035 OF 86 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	37	168



ORIGINAL PLAN	DATE
SURVEY BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
NO.	



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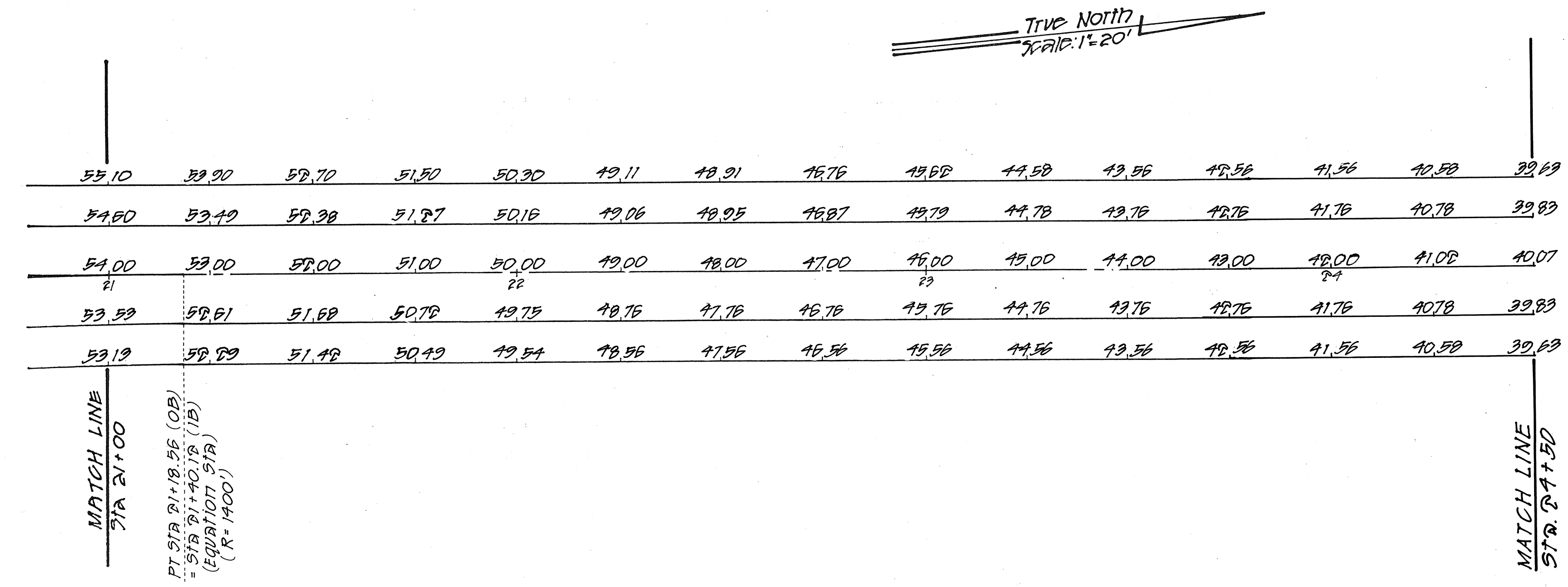
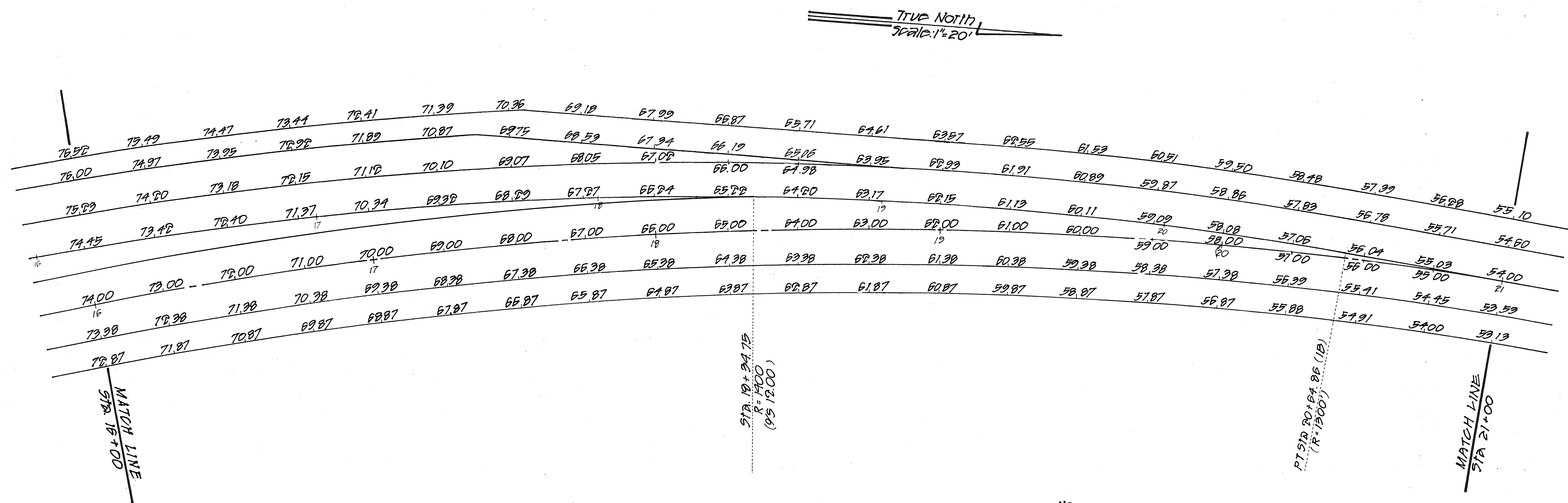
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

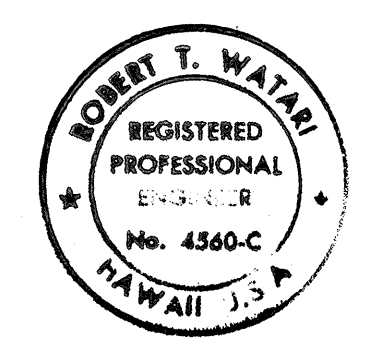
KAMEHAMEHA HIGHWAY - HELEMANO/WAI'ALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET No. 37 OF 85 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	38	168



NOTE:
Refer to PLAN & PROFILE
SHEETS FOR BASELINE GRADES
AT TANGENT SECTIONS.



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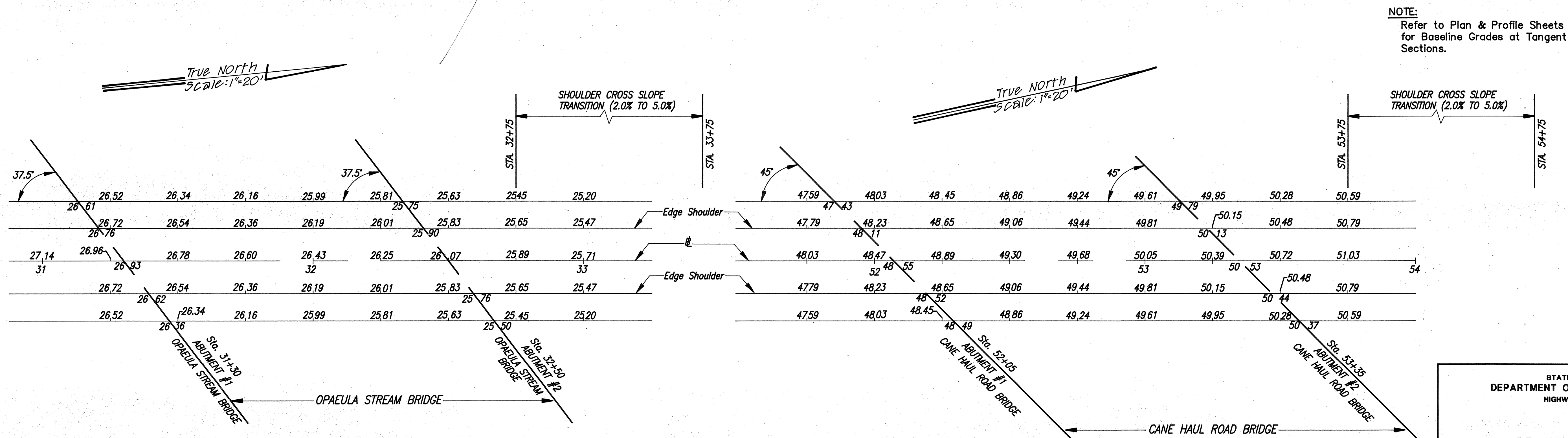
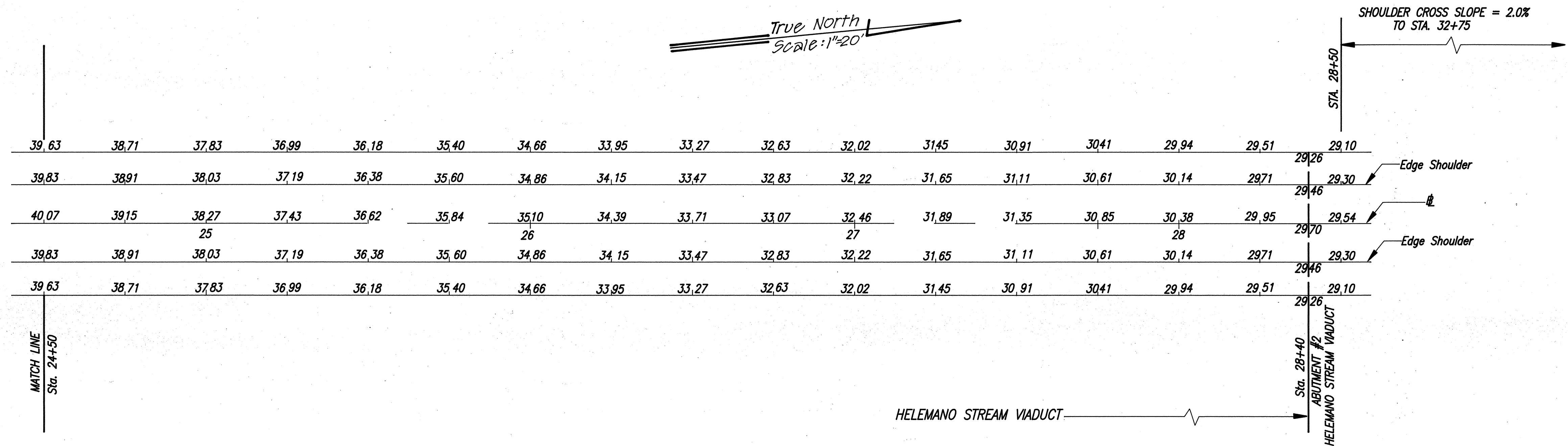
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

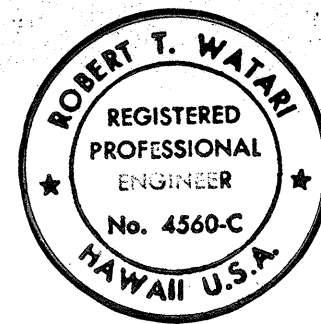
SHEET No. 037 OF 85 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	03A-01-92	1992	38A	167



NOTE:
Refer to Plan & Profile Sheets
for Baseline Grades at Tangent
Sections.



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 03A-01-92

SHEET No. C38 OF 05 SHEETS

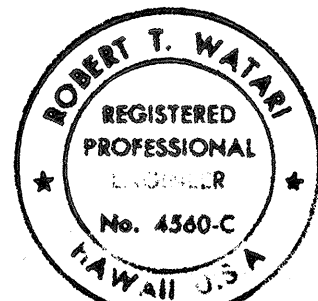
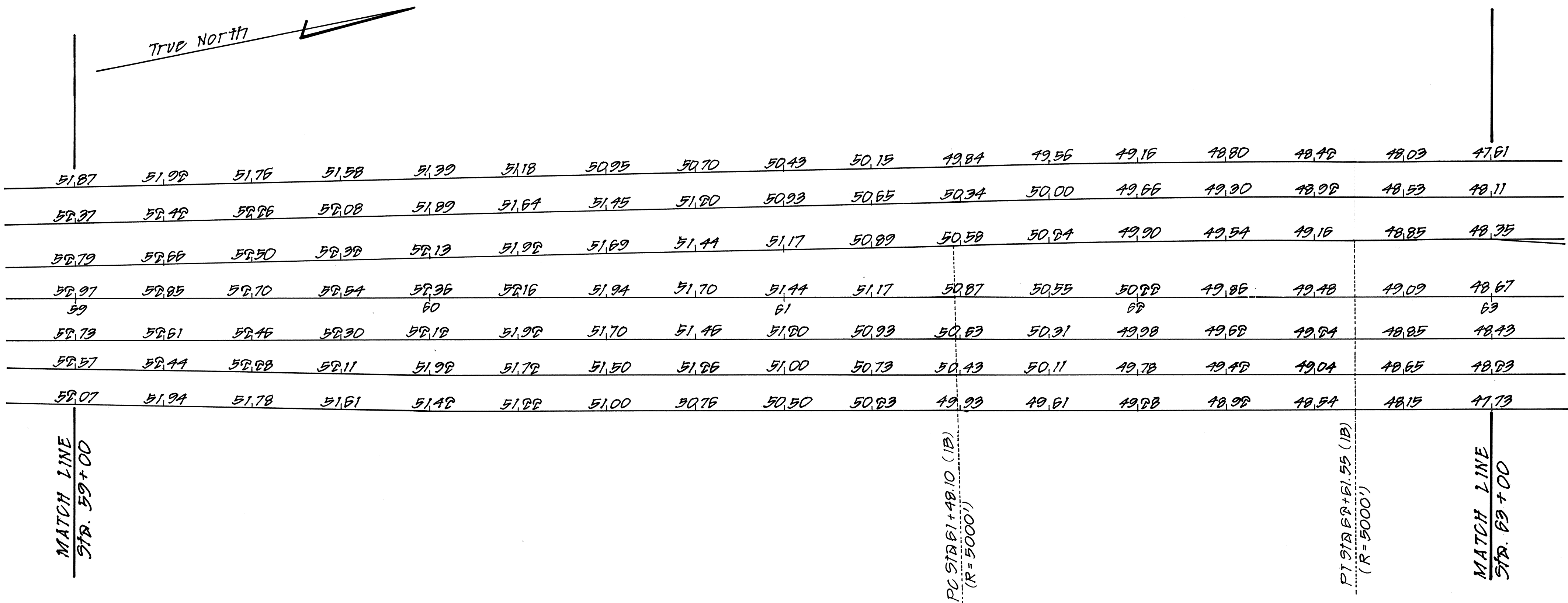
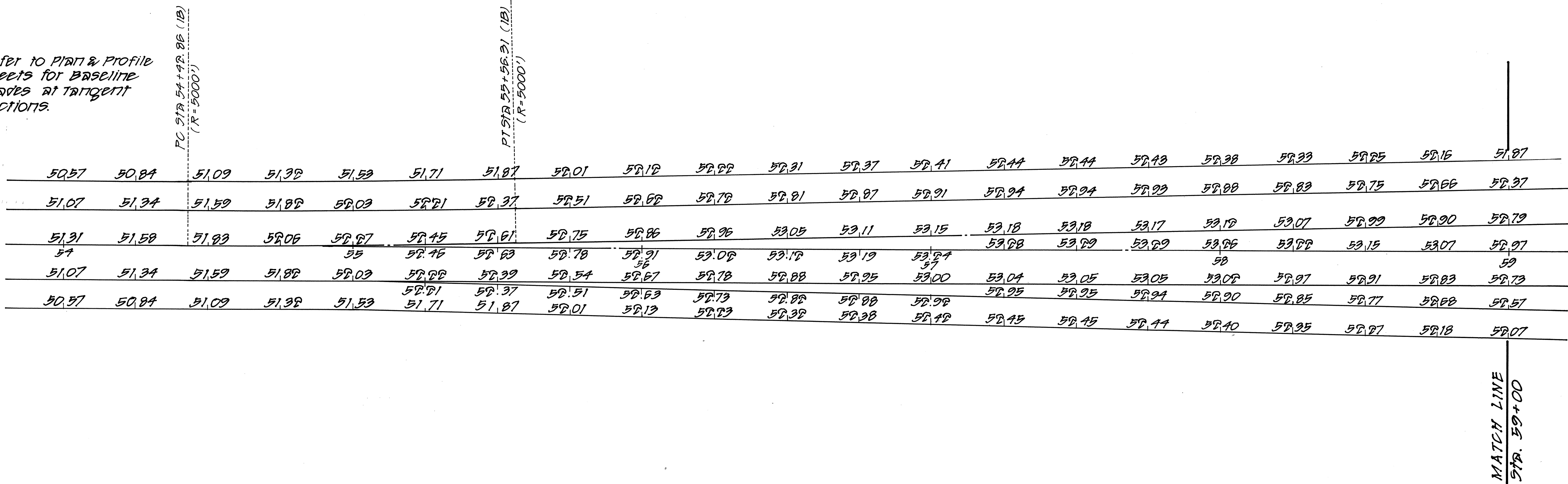
38S-1

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

88-88 FILE:GRP-REV.DWG D:HALEIWA PLOT:1=20 7/26/91

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-22	1992	32	168

NOTE:
REFER TO PLAN & PROFILE
SHEETS FOR BASELINE
GRADES AT TANGENT
SECTIONS.



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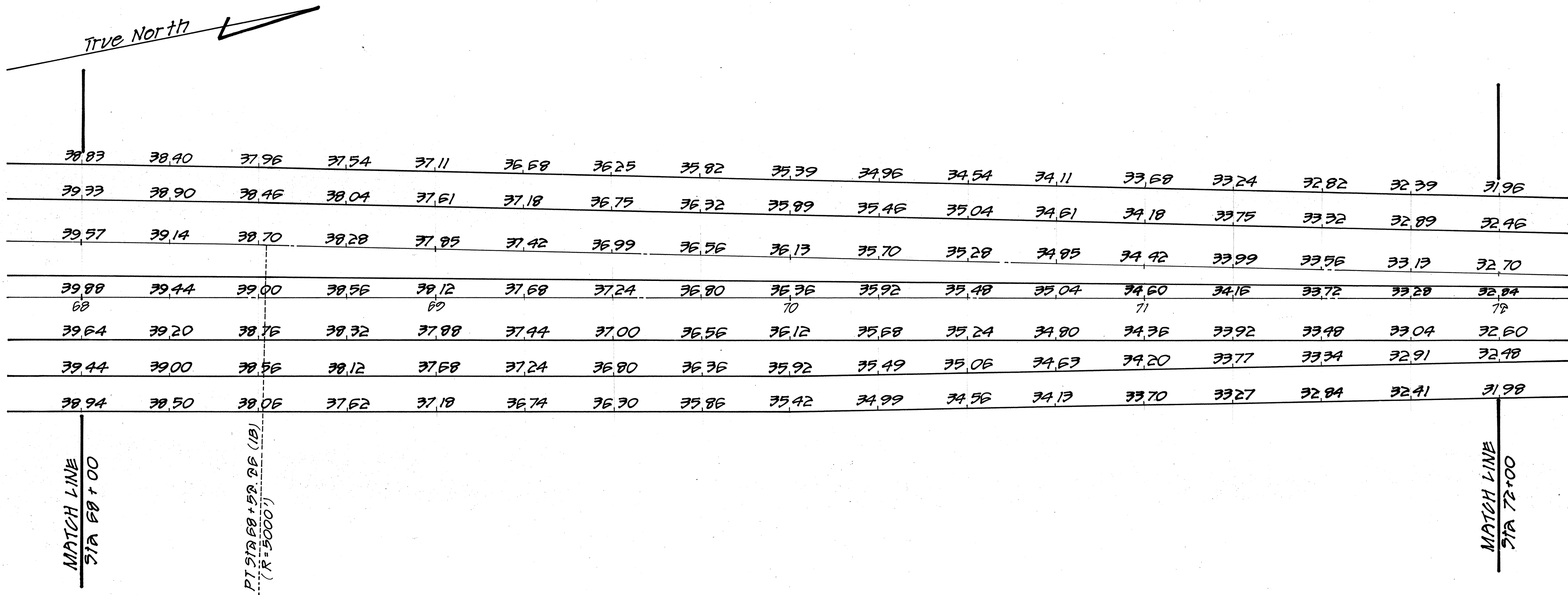
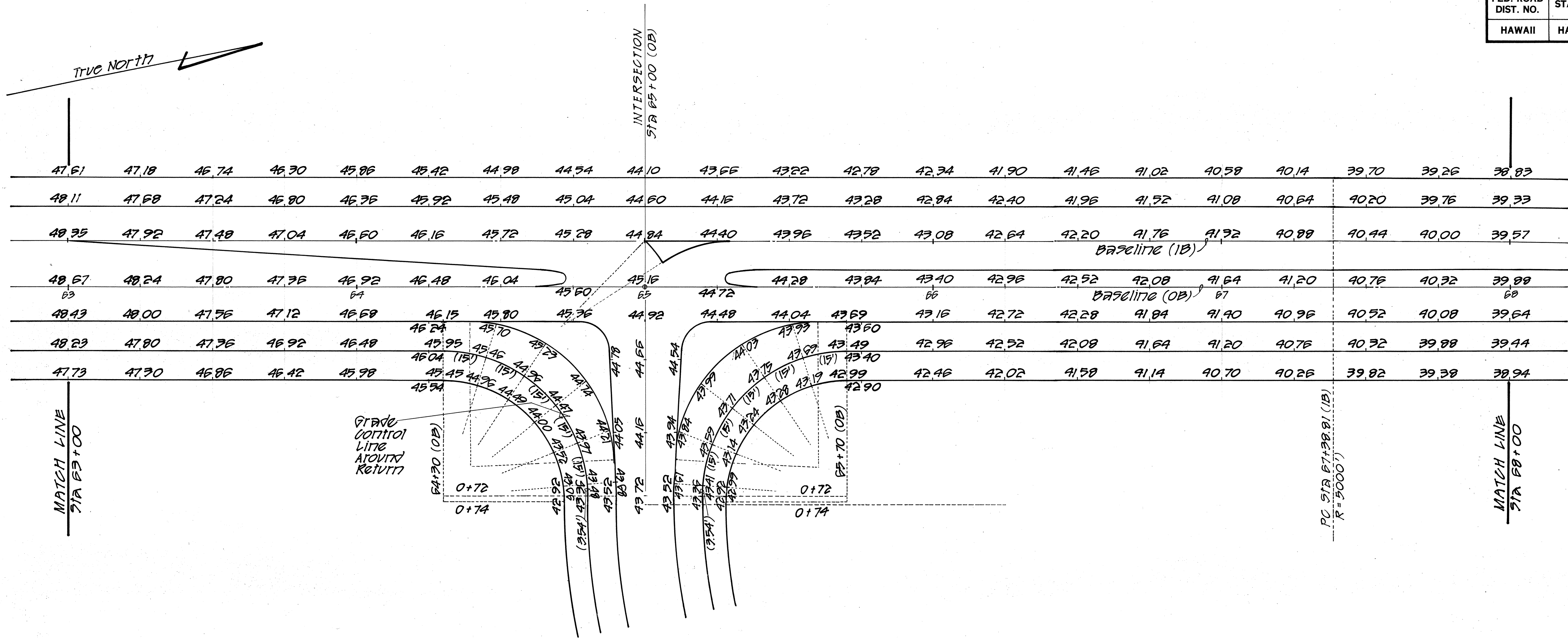
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

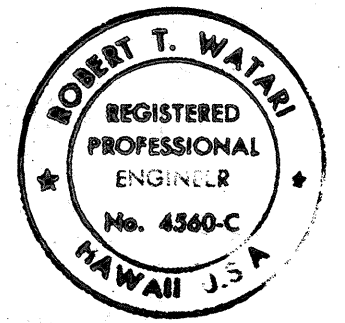
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-22

SHEET No. 039 OF 05 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	40	168



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	
	NO.	



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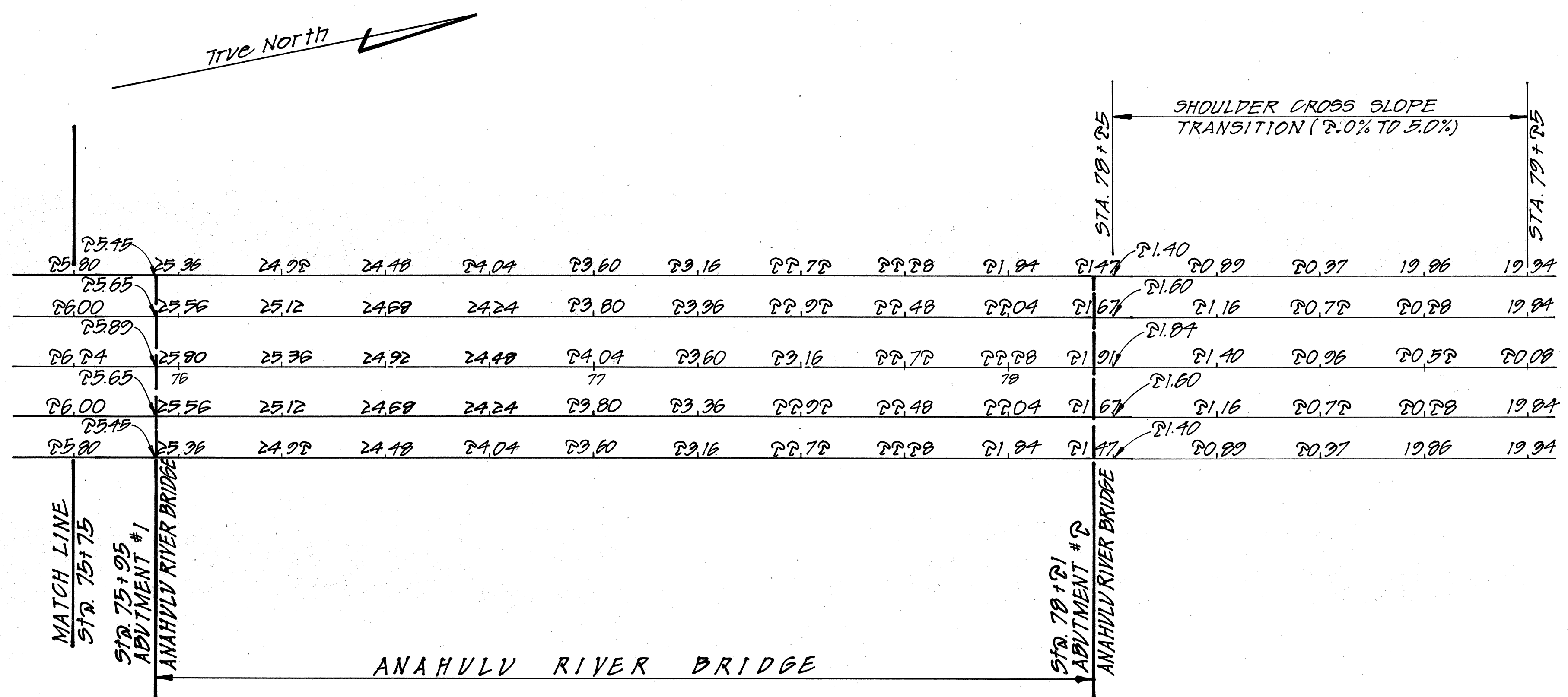
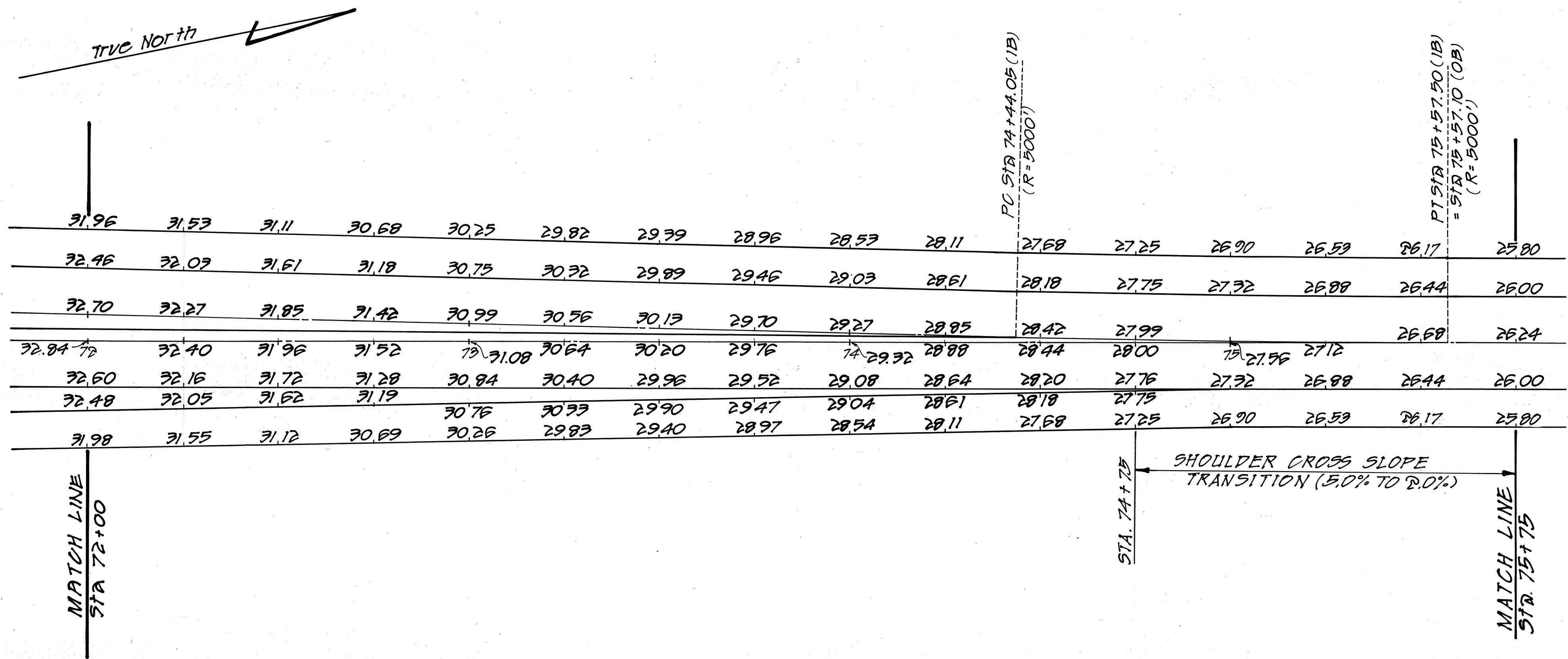
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

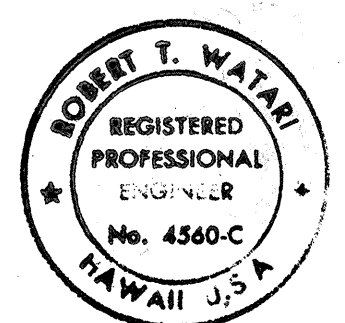
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET No. 40 OF 86 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-02	1992	41	162



NOTE:
Refer to Plan & Profile
sheets for Baseline
Grades at Tangent
Sections.



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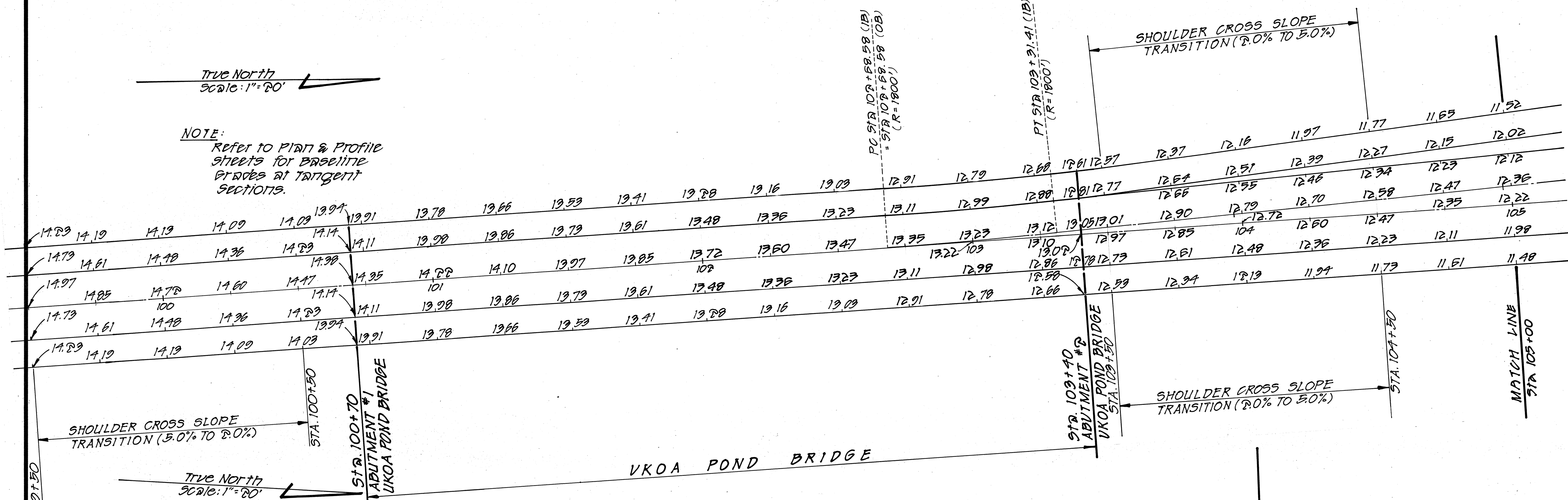
GRADING PLAN

KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-02

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	42	162

True North
Scale: 1"=20'

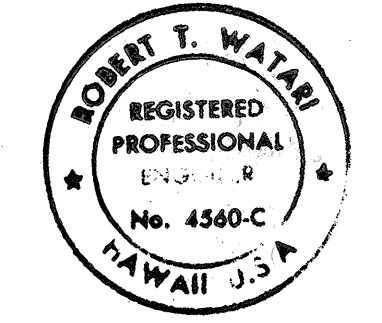
NOTE:
Refer to plan & profile sheets for bearing & grades at tangent sections.



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12.02	11.89	11.77	11.63	11.49	11.36	11.21	11.06	10.96	10.87	10.72	10.60	10.47	10.33	10.19	10.03
12.12	12.01	11.90	11.78	11.66	11.54	11.41	11.30	11.20	11.08	10.96	10.84	10.71	10.57	10.43	10.27
12.36	12.25	12.14	12.02	11.90	11.77	11.63	11.49	11.34	11.19	11.03	10.86	10.69	10.51	10.33	10.14
12.22	12.10	11.97	11.84	11.70	11.56	11.41	11.26	11.10	10.93	10.76	10.59	10.41	10.22	10.03	9.84
105				106				107				108			109
11.98	11.86	11.73	11.60	11.46	11.32	11.17	11.02	10.86	10.69	10.52	10.35	10.17	9.98	9.79	9.60
11.48	11.36	11.23	11.10	10.96	10.82	10.67	10.52	10.36	10.19	10.02	9.85	9.67	9.48	9.29	9.10

MATCH LINE
Sta 105+00

MATCH LINE
Sta 103+00



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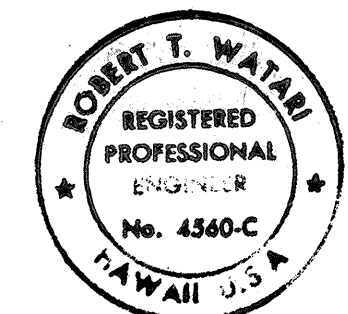
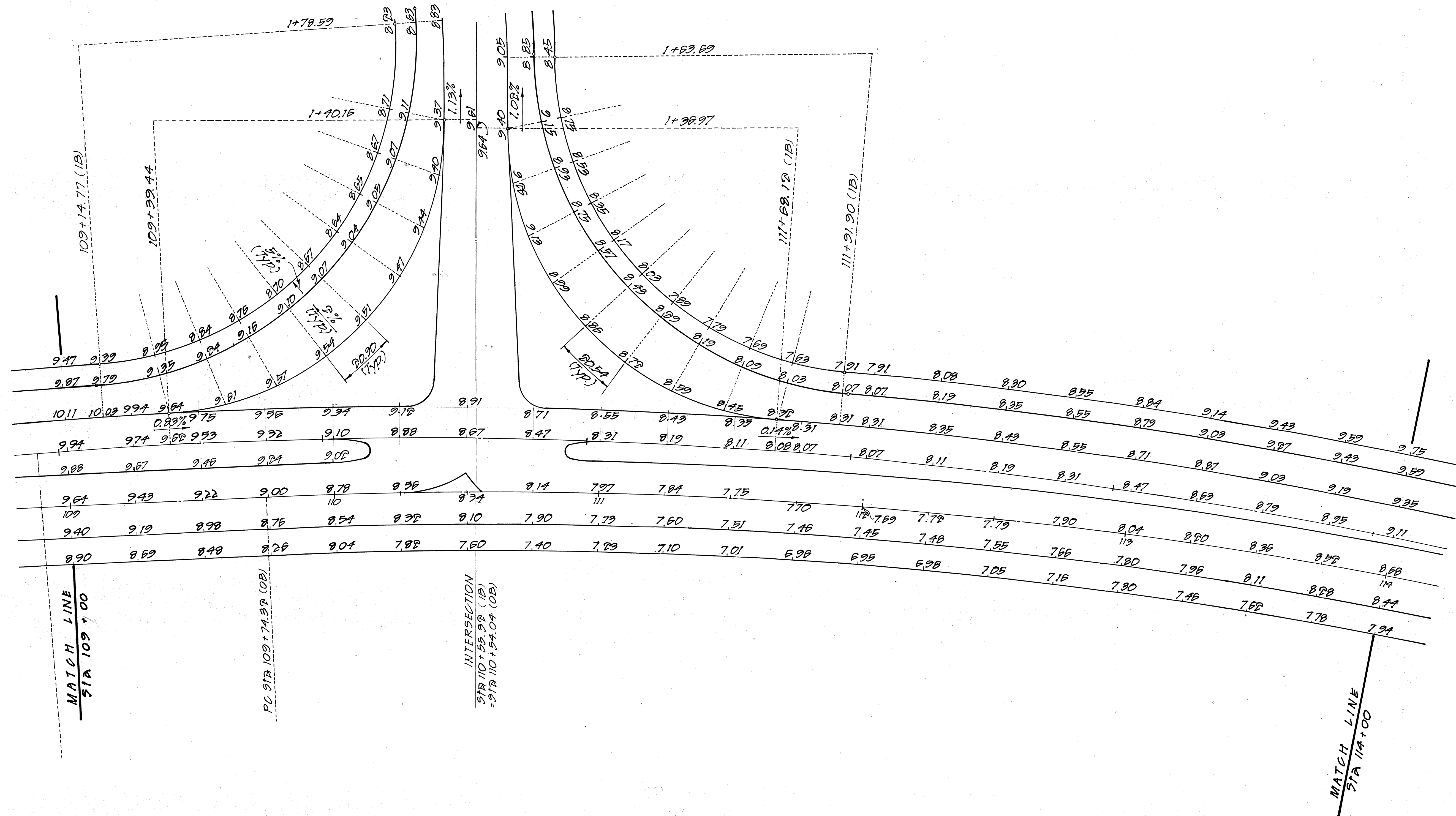
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET NO. 42 OF 85 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	43	162



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STATE OF HAWAII
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HIGHWAYS DIVISION

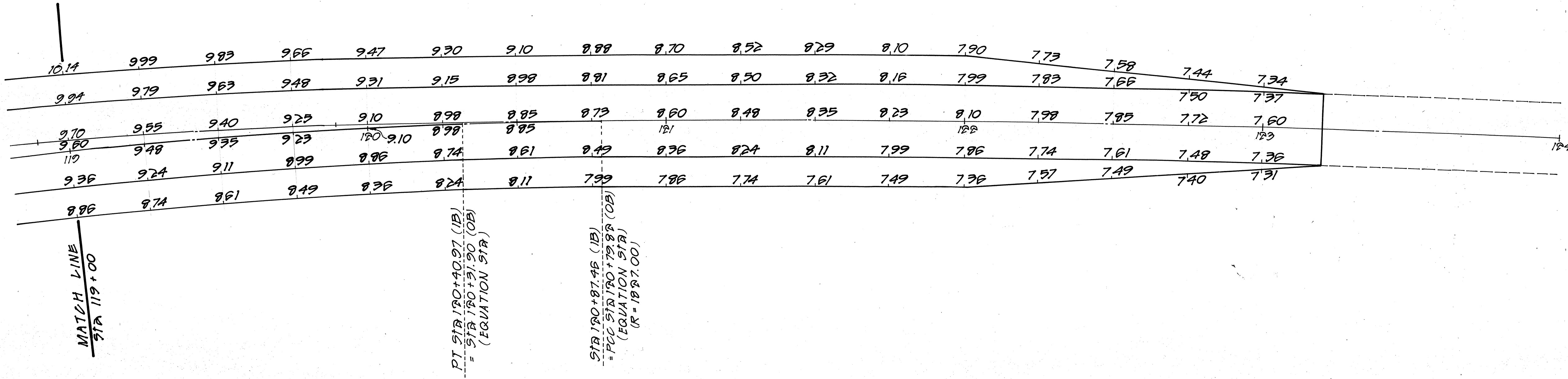
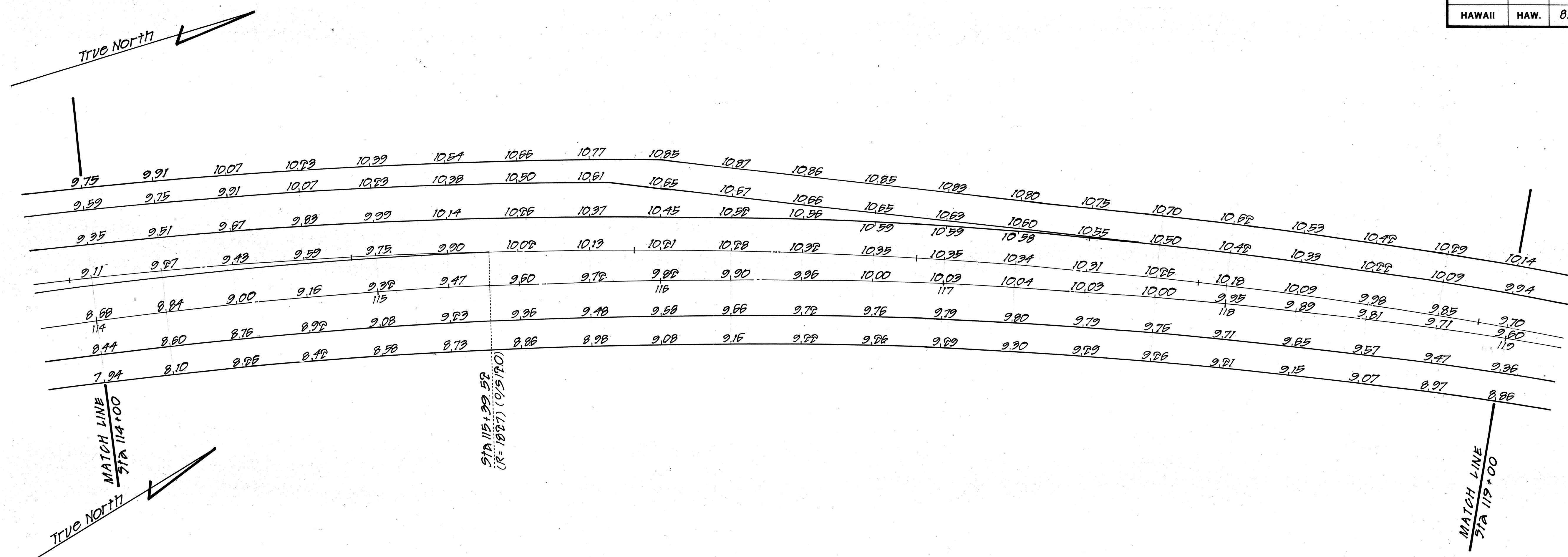
GRADING PLAN

KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET No.43 OF 85 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
No. _____	CHECKED BY _____	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	44	162



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

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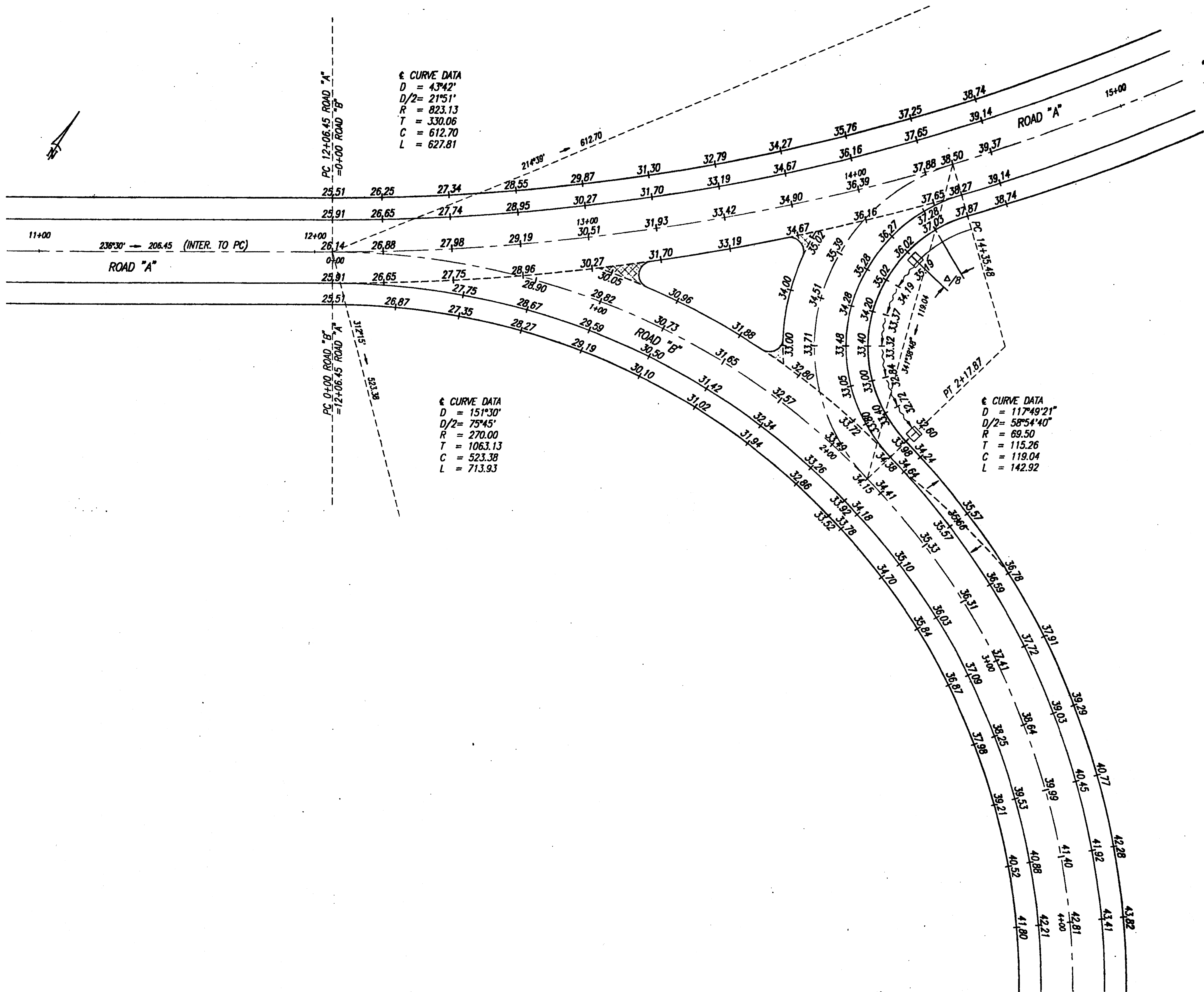
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
PROJ. NO. 83A-01-92

SHEET NO. 44 OF 85 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	445-1	162



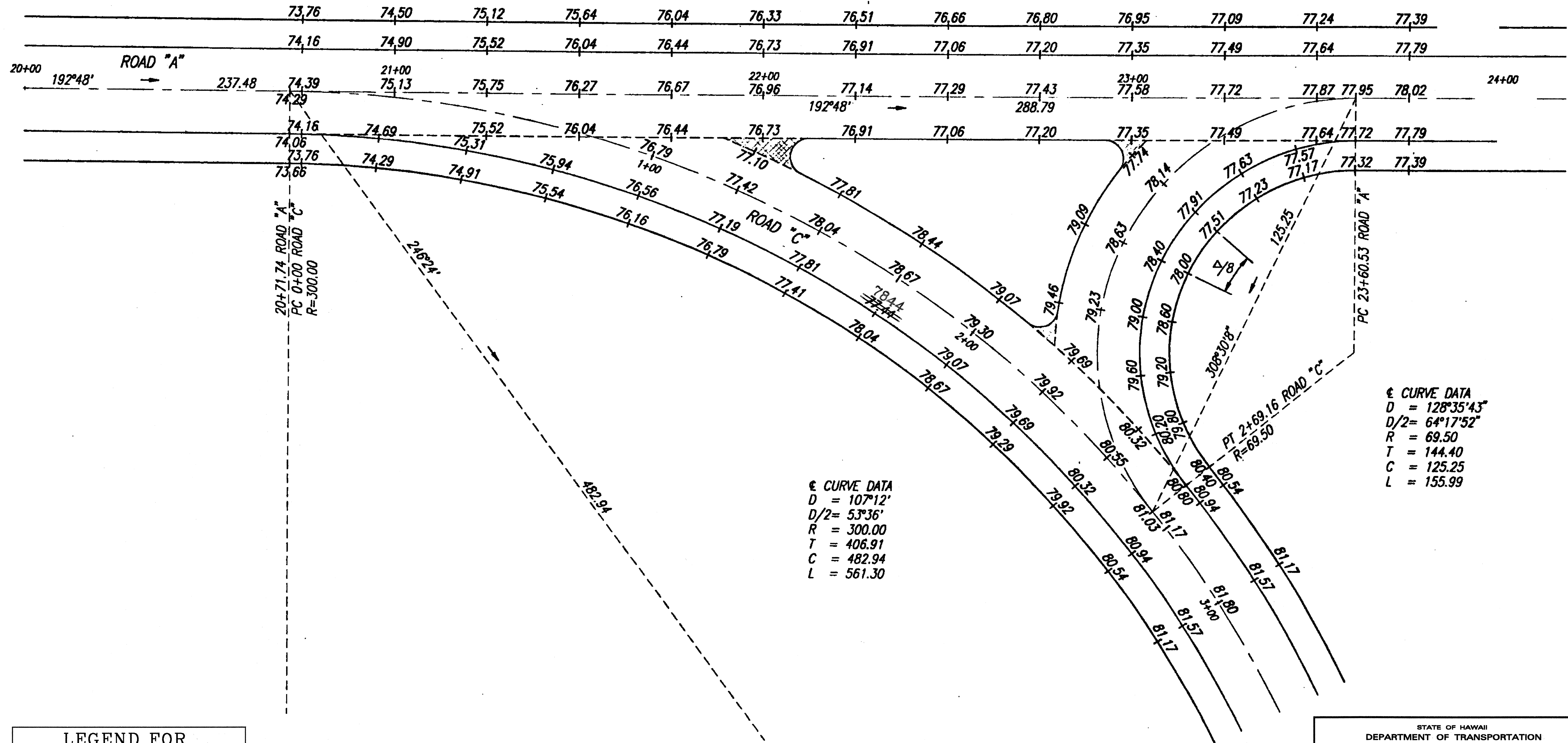
GRADING PLAN - ROAD "A"/ROAD "B" INTERSECTION

SCALE: 1"=20'

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GRADING PLAN
KAMEHAMEHA HIGHWAY-HELEMANO-WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(ROADWAY)
Scale: 1"=20' Date: 1992
SHEET No. 44A OF 85 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-01-92	1992	44S-2	162



€ CURVE DATA
 D = 128°35'43"
 D/2 = 64°17'52"
 R = 69.50
 T = 144.40
 C = 125.25
 L = 155.99

€ CURVE DATA
 D = 107°12'
 D/2 = 53°36'
 R = 300.00
 T = 406.91
 C = 482.94
 L = 561.30

LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion

== Double line for as-built deletion

Roadway Text for as-built posting

**GRADING PLAN - ROAD "A"/ROAD "C" INTERSECTION**  
 SCALE: 1"=20'

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**GRADING PLAN**

KAMEHAMEHA HIGHWAY-HELEMANO-WAIALUA  
 JUNCTION TO HALEIWA BEACH PDRK  
 (ROADWAY)

Scale: 1"=20' Date: 1992

SHEET No. 44B OF 85 SHEETS