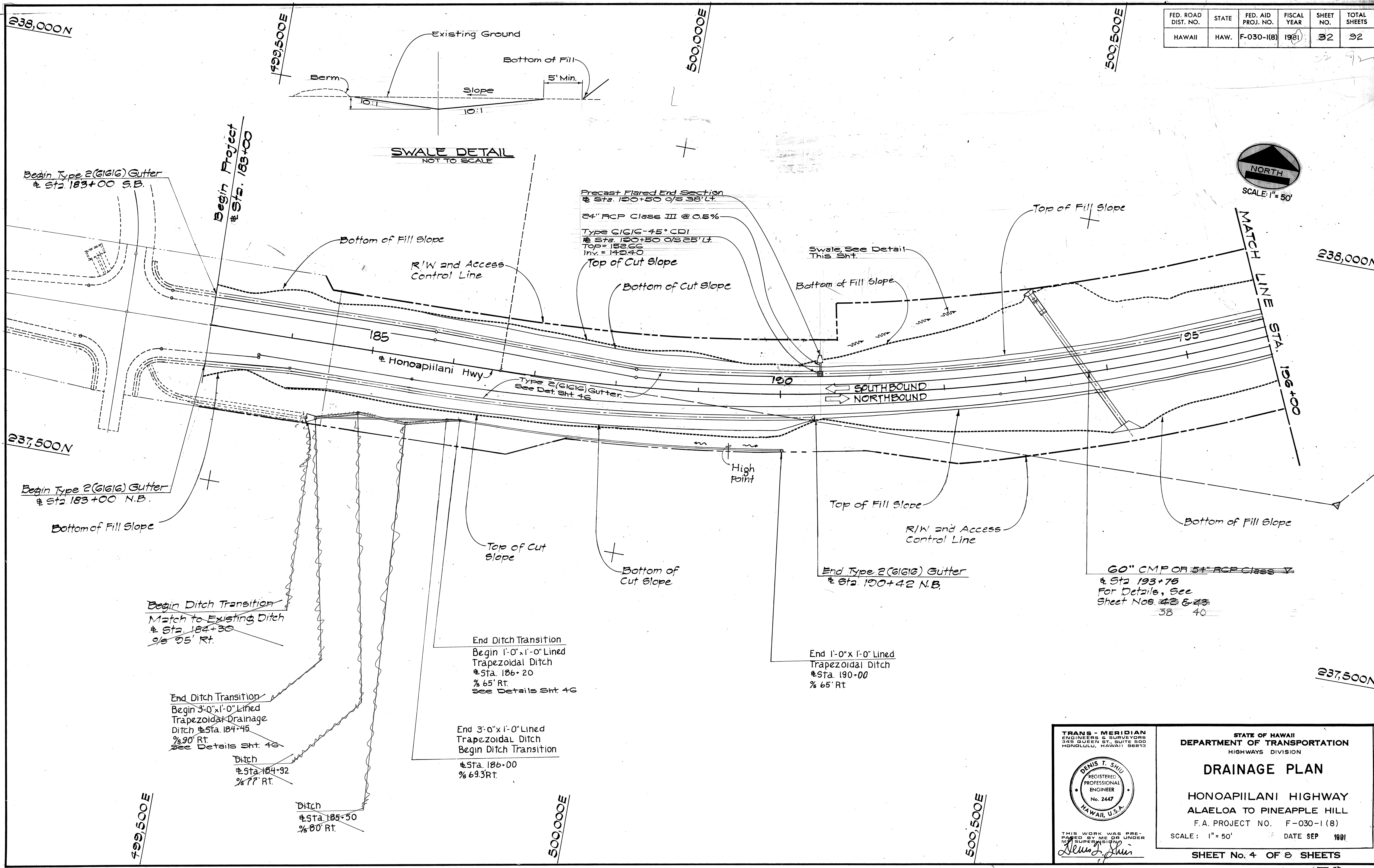
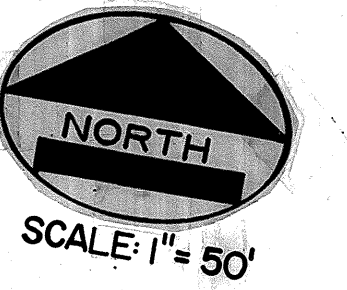
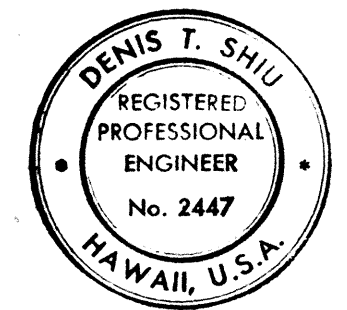


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	32	32



ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

TRANS - MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 500
HONOLULU, HAWAII 96813



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Denis T. Shu

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

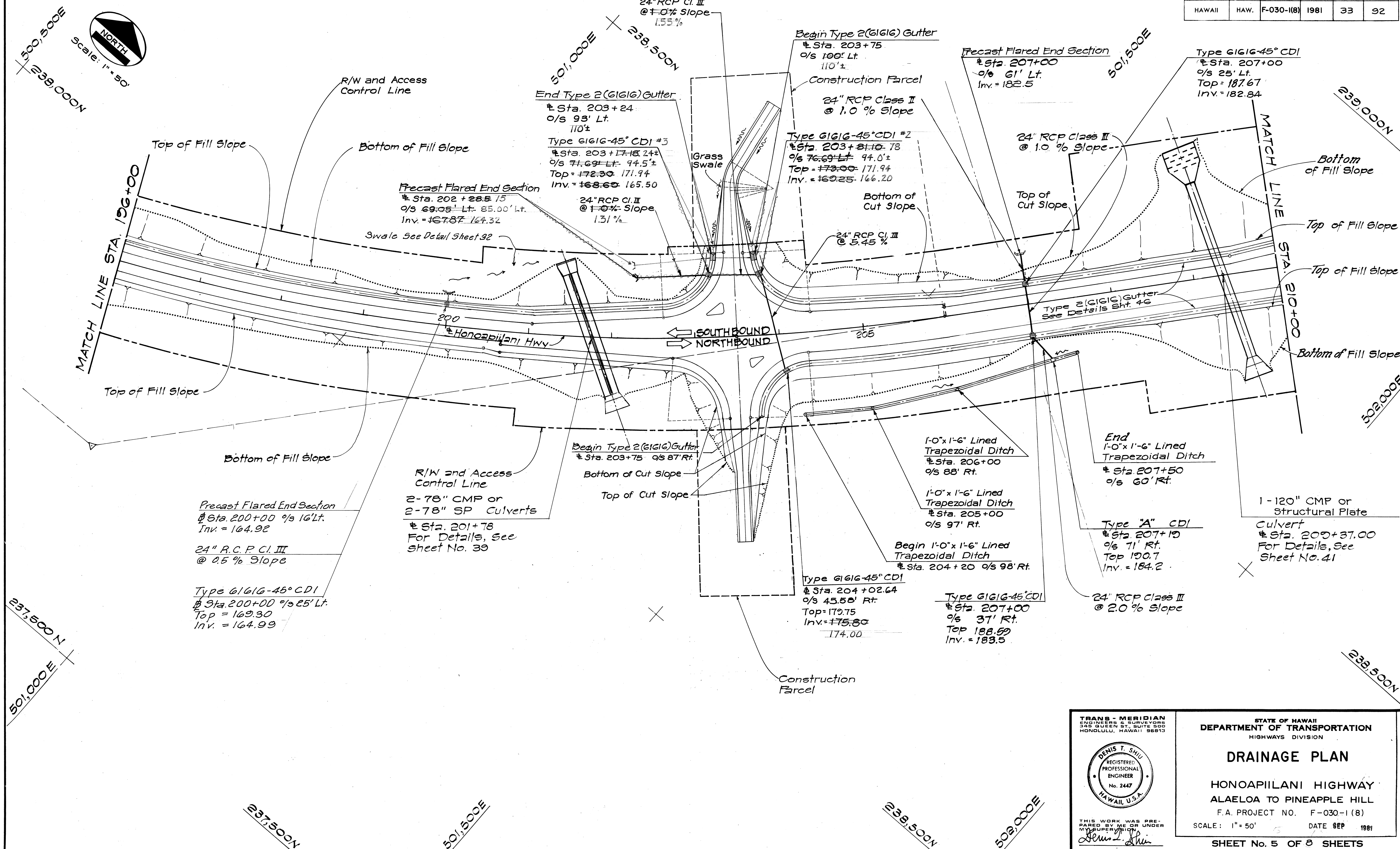
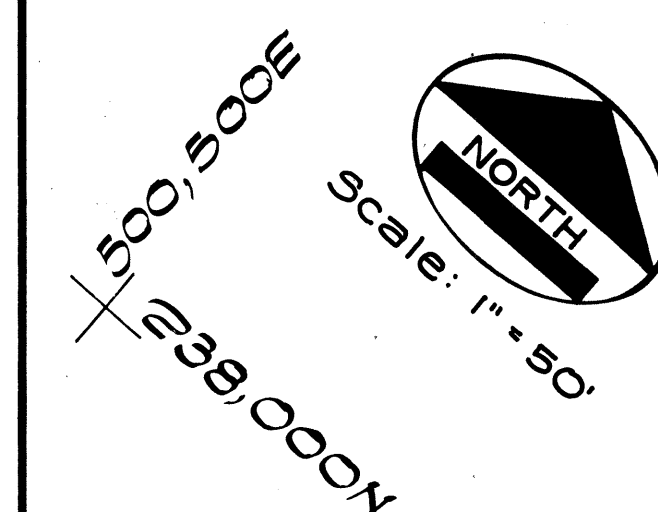
HONOAPIILANI HIGHWAY
ALAELOA TO PINEAPPLE HILL

F.A. PROJECT NO. F-030-1(8)

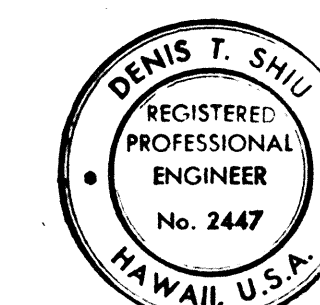
SCALE: 1" = 50' DATE SEP 1981

SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	33	92



TRANS - MERIDIA
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 50
HONOLULU, HAWAII 96813



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James L. Shinn

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

DRAINAGE PLAN

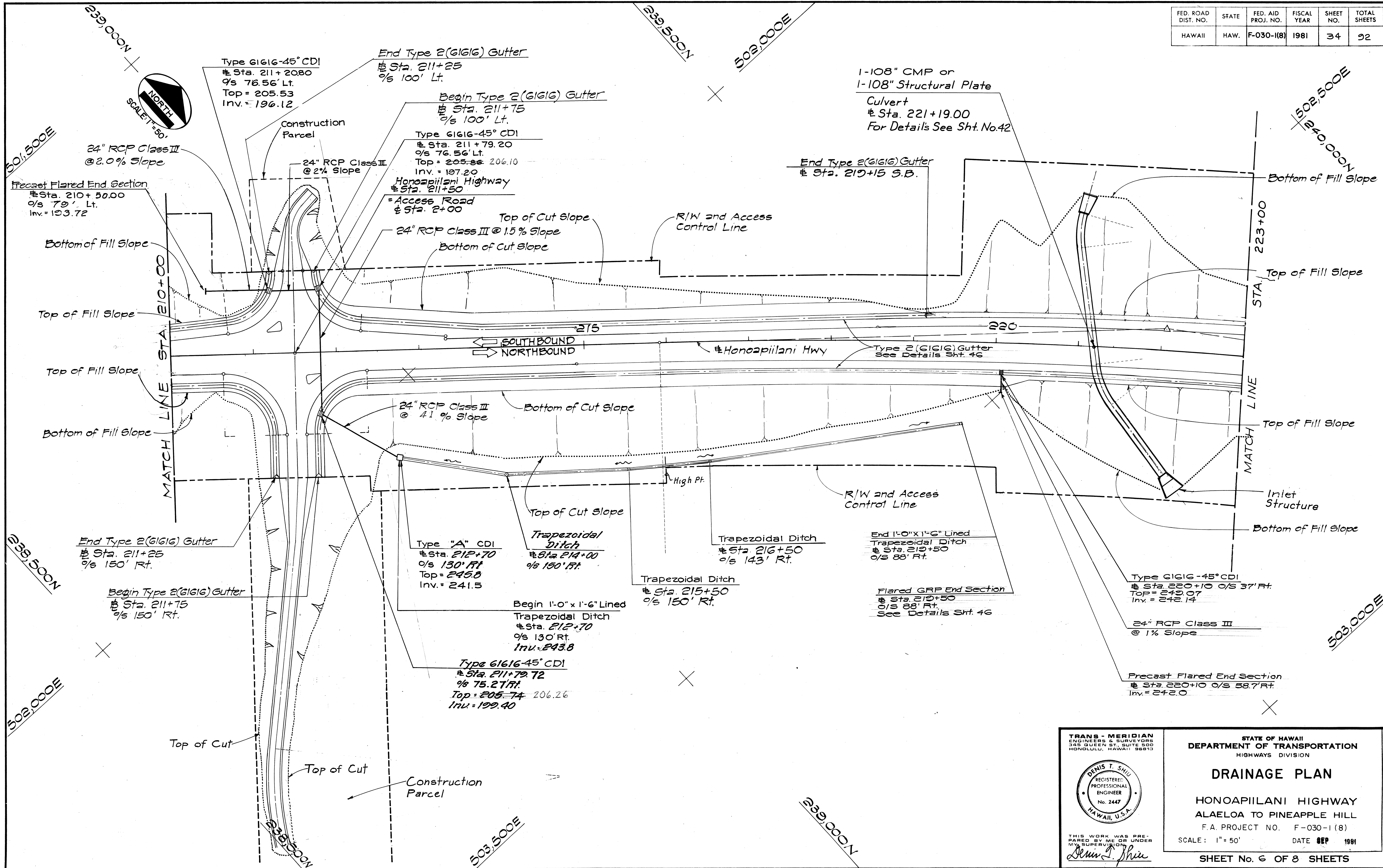
HONOAPIILANI HIGHWAY
ALAELOA TO PINEAPPLE HILL

F.A. PROJECT NO. F-030-1 (8)

SCALE: 1" = 50' DATE SEP 198

SHEET No. 5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	34	92



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

TRANS-MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 500
HONOLULU, HAWAII 96813

DENIS T. SHIU
REGISTERED
PROFESSIONAL
ENGINEER
No. 2447
HAWAII, U.S.A.

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Denis T. Shiu

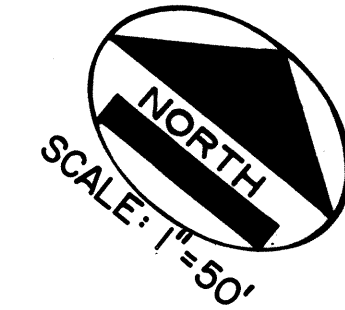
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

HONOAPIILANI HIGHWAY
ALAELOA TO PINEAPPLE HILL
F.A. PROJECT NO. F-030-1(8)
SCALE: 1" = 50' DATE SEP 1981

SHEET No. 6 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	35	92

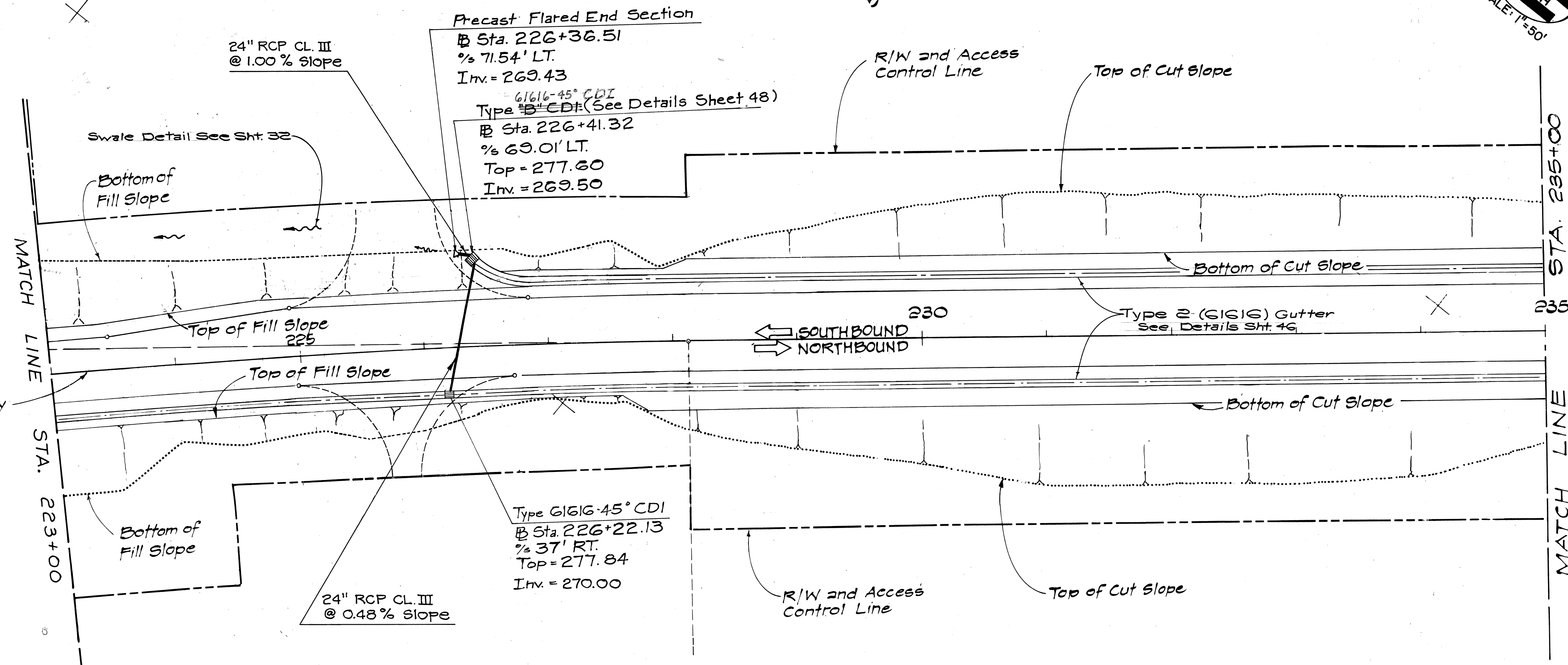


503,500E

240,000N

502,500E

503,000E 240,500N



STA. 235+00
MATCH LINE

MATCH LINE
STA. 223+00

Honoapiilani Hwy

230
SOUTHBOUND
NORTHBOUND

240,500N

503,000E

239,500N

503,500E

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

TRANS - MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 500
HONOLULU, HAWAII 96813

DENIS T. SHU
REGISTERED
PROFESSIONAL
ENGINEER
No. 2447
HAWAII, U.S.A.

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Denis T. Shu

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

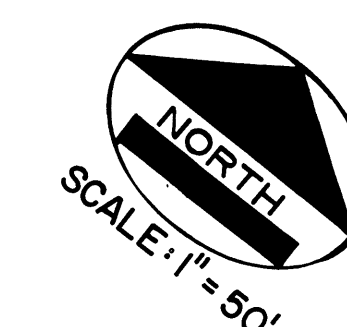
DRAINAGE PLAN

HONOAPIILANI HIGHWAY
ALAELOA TO PINEAPPLE HILL

F.A. PROJECT NO. F-030-1(8)
SCALE: 1" = 50' DATE SEP 1981

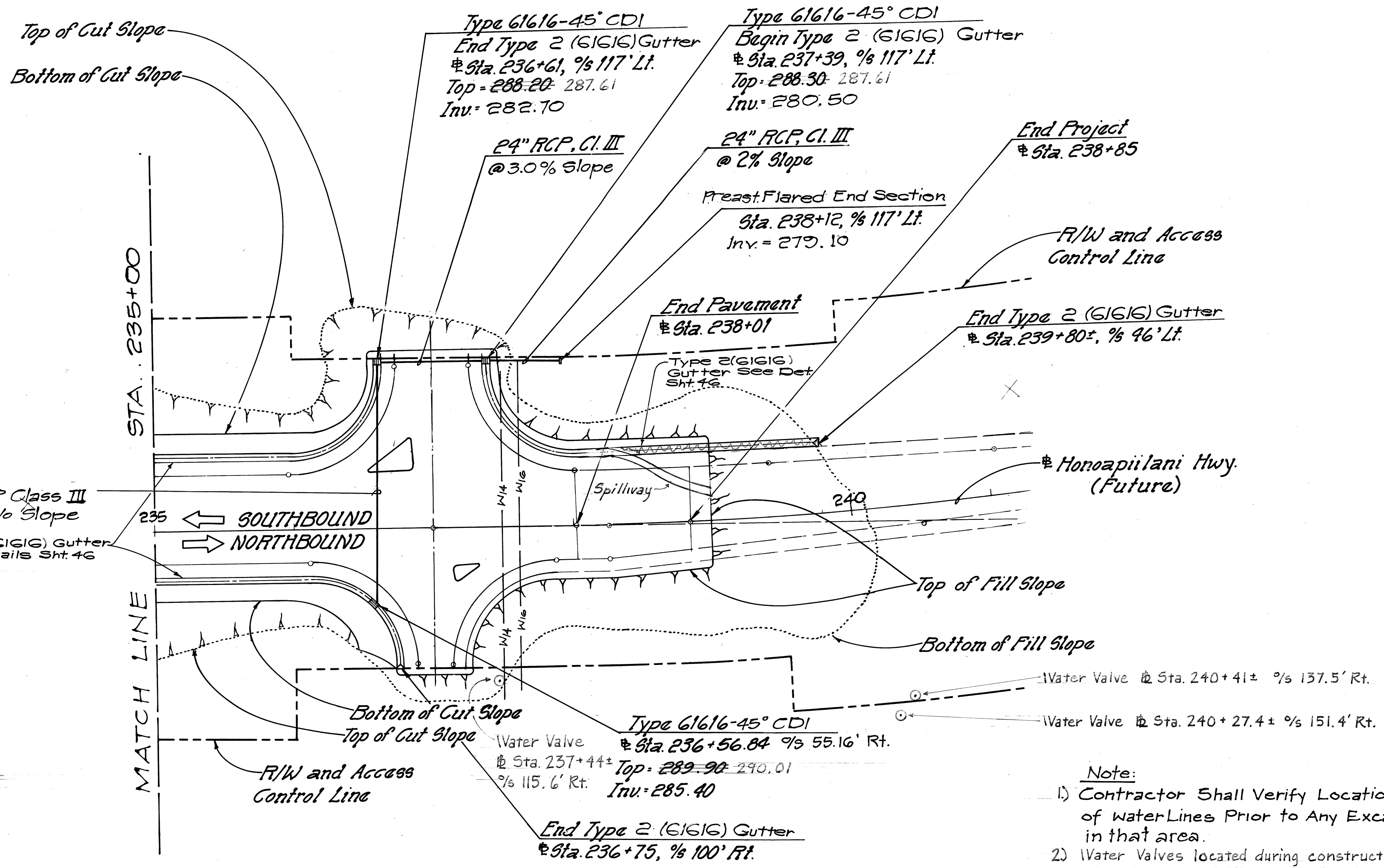
SHEET No. 7 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	36	92



504,500 E

241,500 N



- Note:**
- 1) Contractor Shall Verify Location of water Lines Prior to Any Excavation in that area.
 - 2) Water Valves located during construction

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

TRANS-MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 500
HONOLULU, HAWAII 96813

REGISTERED
PROFESSIONAL
ENGINEER
No. 2447
HAWAII, U.S.A.

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Denis T. Shiu

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

HONOAPIILANI HIGHWAY
ALAELOA TO PINEAPPLE HILL
F.A. PROJECT NO. F-030-1(8)
SCALE: 1" = 50' DATE SEP 1981
SHEET No. 8 OF 8 SHEETS