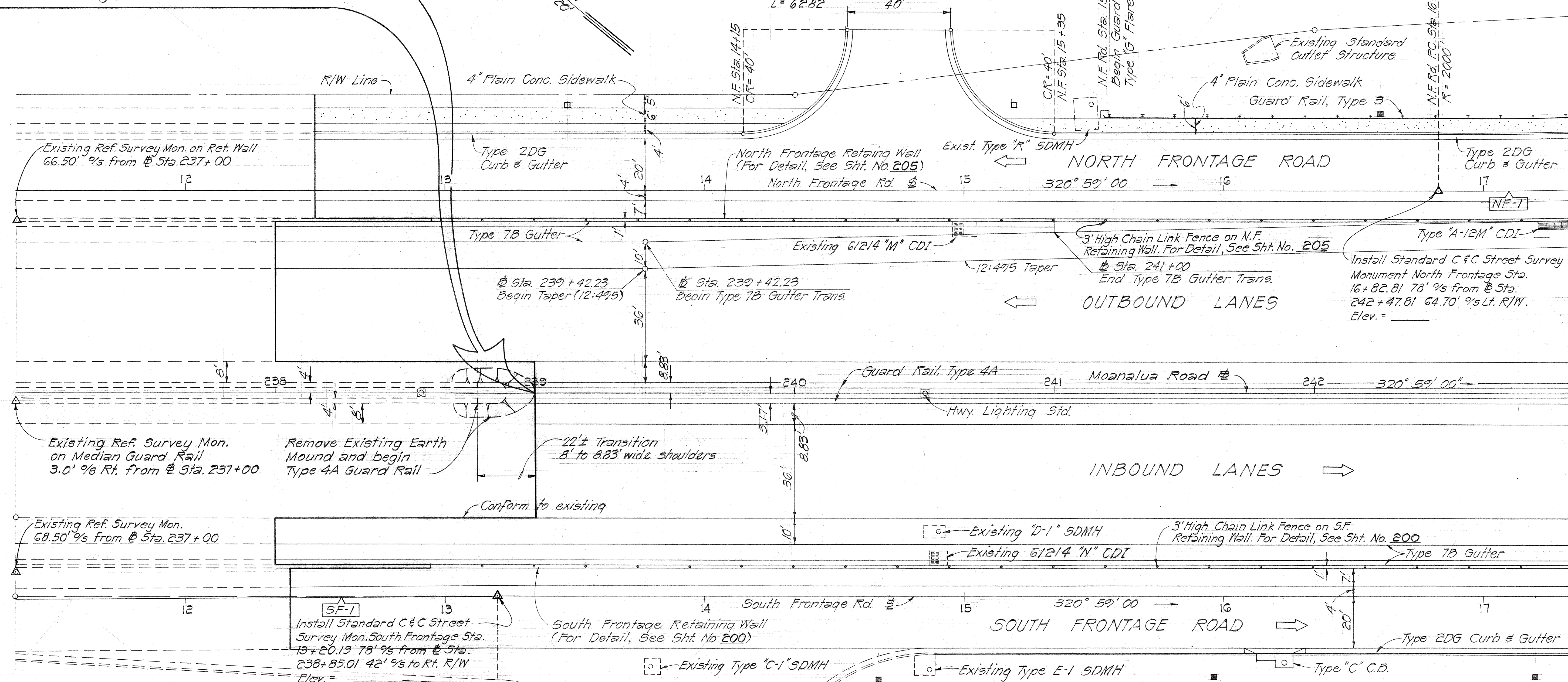


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	23	302

Revised: July 12, 1971

BEG. OF PROJECT (# STA. 239+00)
F.A.P. Proj. No. F-078-1(7)



MATCH LINE Sta. 243+00

NOTE:

- Construct serrated cut slopes (Class C Excavation) at the following locations:
- South Frontage Sta. 16+00 to 29+00 Rt.
 - Ramp ML-I Sta. 1+50 to 12+43 Rt.
 - Baseline Stations 267+50 to 270+00 ± Rt. and 276+50 to 283+78 Rt.
- Refer to Sht. No. ADD.60 for typical and Section 203.02 (A)(5) of the SPECIAL PROVISIONS for construction requirements.

CURVE DATA

	SF-1	NF-1
Δ	1° 03' 56"	6° 30' 00"
R	20,000.00	2,000.00
T	185.00	113.57
L	370.00	226.89

THIS SHEET SUPERSEDES
SHEET NO. 23

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1" = 20' Date: Dec., 1970

SHEET No. 1 OF 13 SHEETS

C.O. ADD.23

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

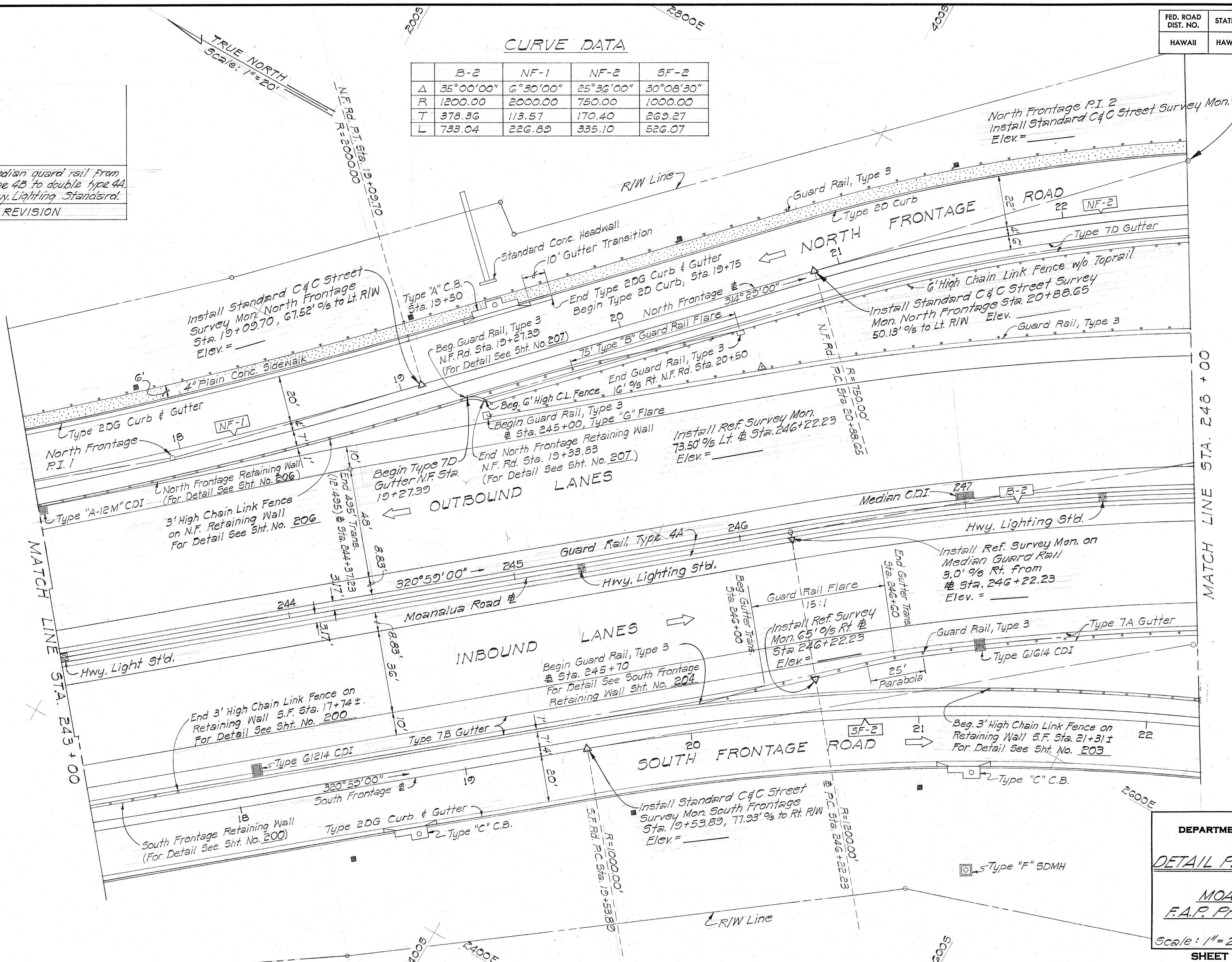
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	24	302

CURVE DATA

	B-2	NF-1	NF-2	SF-2
Δ	35°00'00"	6°30'00"	25°36'00"	30°08'30"
R	1200.00	2000.00	750.00	1000.00
T	378.36	113.57	170.40	269.27
L	733.04	226.89	335.10	526.07

3/28/73	Revise median guard rail from single type 4B to double type 4A. Revise Hwy. Lighting Standard.
DATE	REVISION

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



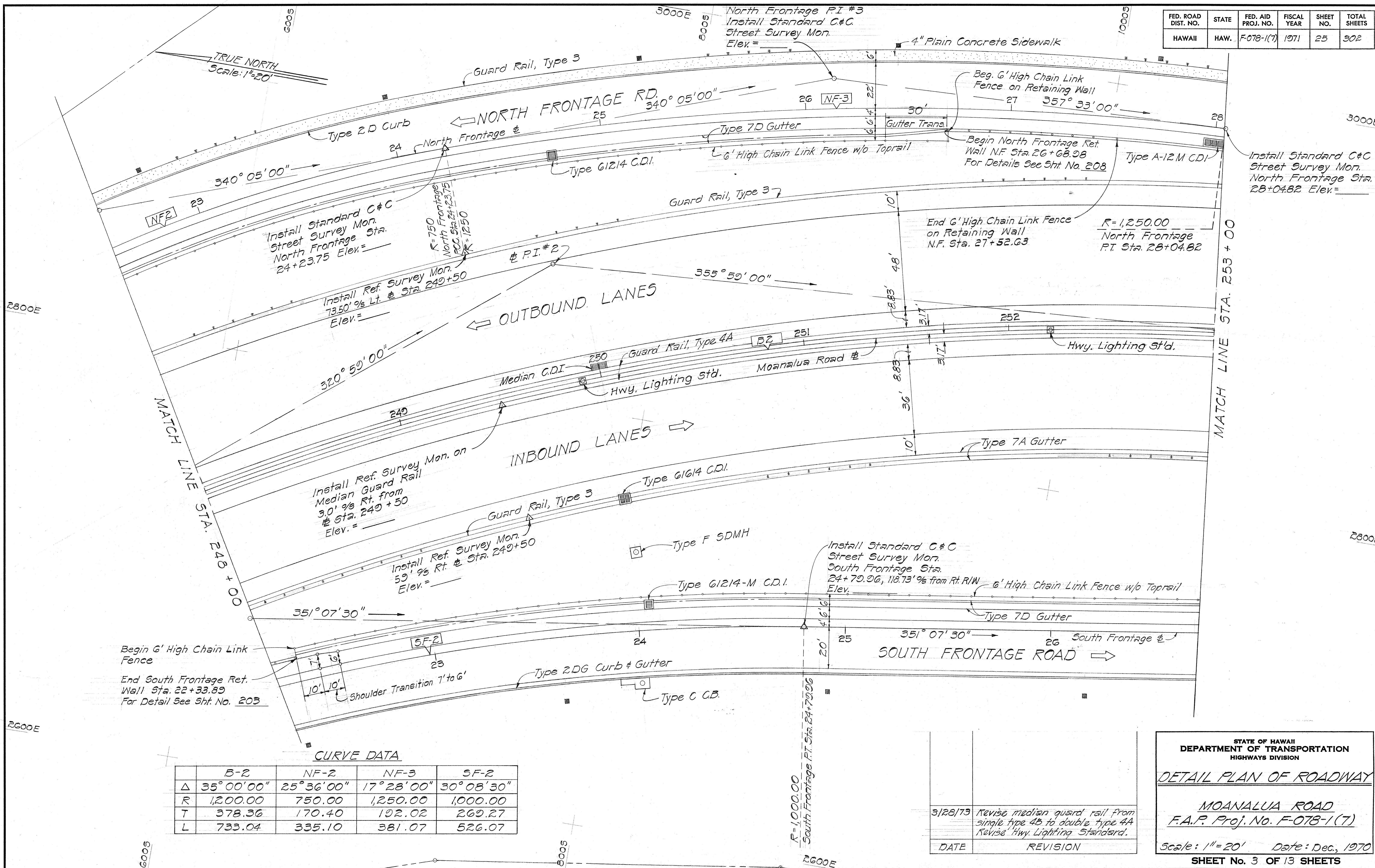
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1" = 20' Date: Dec., 1970
SHEET No. 2 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	25	302



CURVE DATA

	B-2	NF-2	NF-3	SF-2
Δ	35° 00' 00"	25° 36' 00"	17° 28' 00"	30° 08' 30"
R	1,200.00	750.00	1,250.00	1,000.00
T	378.36	170.40	102.02	269.27
L	733.04	335.10	381.07	526.07

DATE	REVISION
3/28/73	Revise median guard rail from single type 4b to double type 4A Revise Hwy. Lighting Standard.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1"=20' Date: Dec., 1970

SHEET No. 3 OF 13 SHEETS

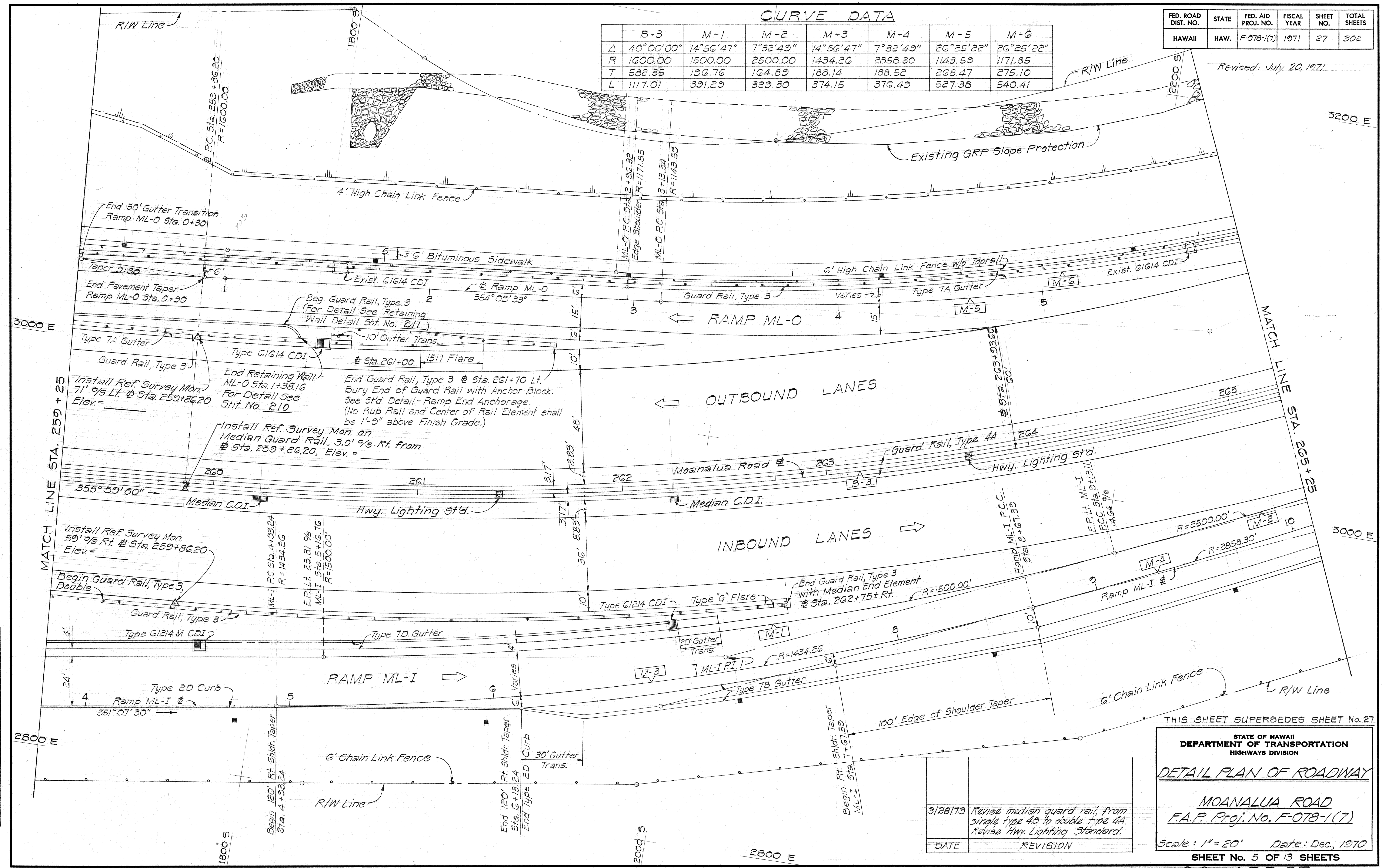
DATE	
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

CURVE DATA

	B-3	M-1	M-2	M-3	M-4	M-5	M-6
Δ	40°00'00"	14°56'47"	7°32'49"	14°56'47"	7°32'49"	26°25'22"	26°25'22"
R	1000.00	1500.00	2500.00	1434.26	2858.30	1143.59	1171.85
T	582.35	196.76	164.89	188.14	188.52	268.47	275.10
L	1117.01	391.29	329.30	374.15	376.49	527.38	540.41

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	27	302

Revised: July 20, 1971



DESIGNED BY	DATE
TRACED BY	
NOTE BOOK	
CHECKED BY	
NO.	

DATE	REVISION
3/28/73	Revise median guard rail, from single type 4B to double type 4A. Revise Hwy. Lighting Standard.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

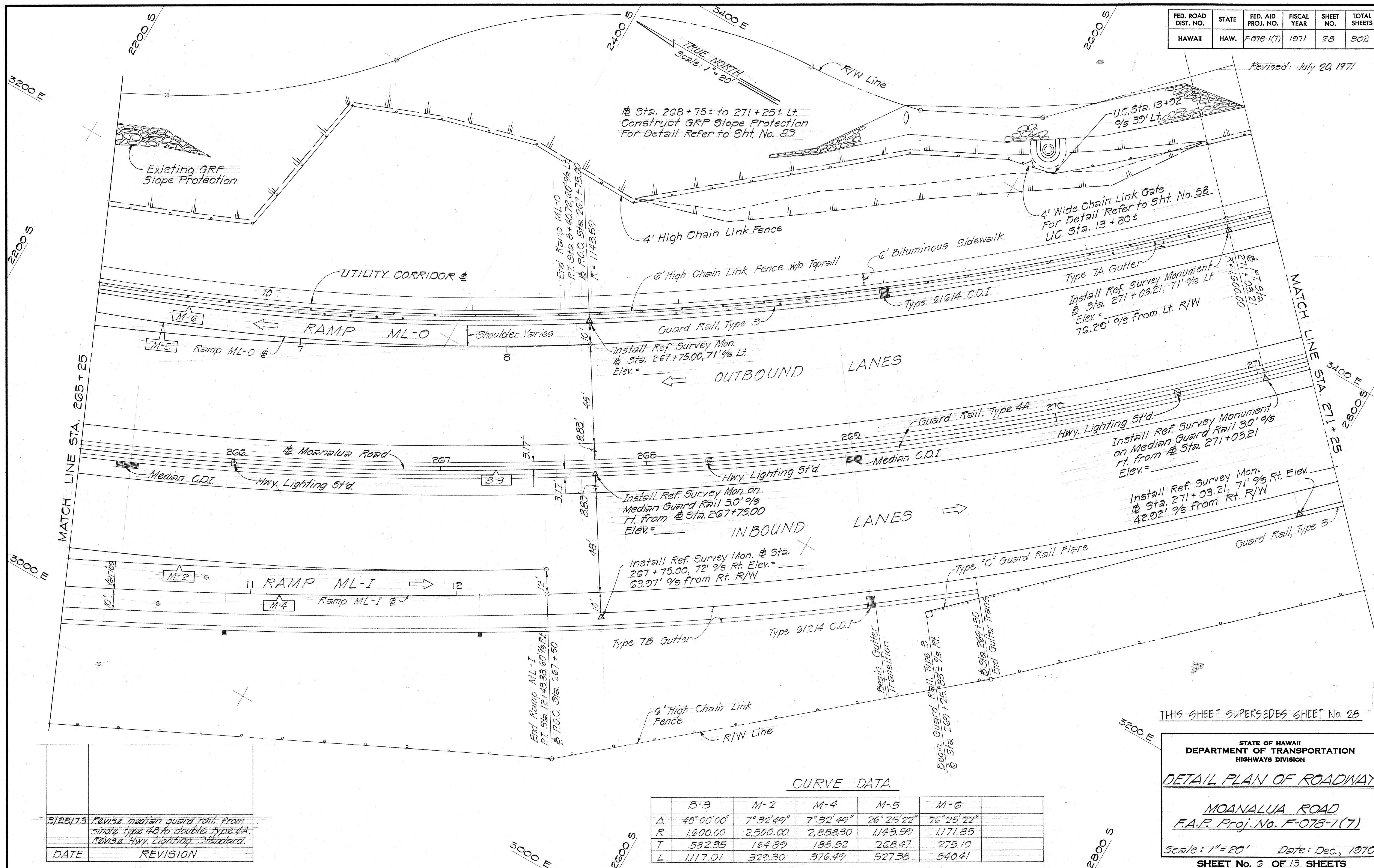
MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1" = 20' Date: Dec., 1970

SHEET No. 5 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	28	302

Revised: July 20, 1971



CURVE DATA

	B-3	M-2	M-4	M-5	M-6
Δ	40° 00' 00"	7° 32' 49"	7° 32' 49"	26° 25' 22"	26° 25' 22"
R	1,600.00	2,500.00	2,858.30	1,143.57	1,171.85
T	582.35	164.89	188.52	268.47	275.10
L	1,117.01	329.30	376.49	527.38	540.41

THIS SHEET SUPERSEDES SHEET No. 28

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1" = 20' Date: Dec., 1970

SHEET No. 6 OF 13 SHEETS

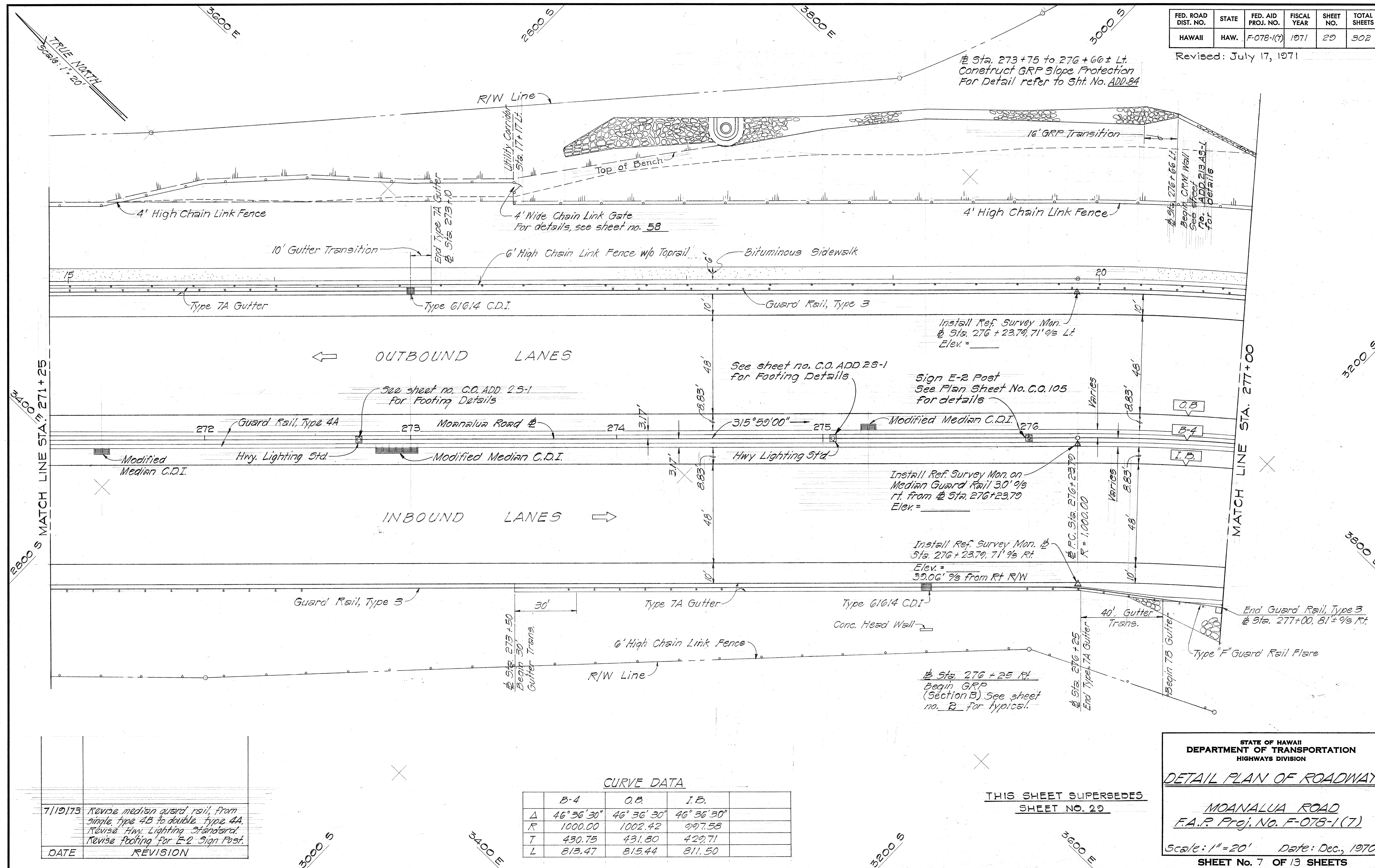
C.O. ADD.28

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
CHECKED BY	
NO.	

3/26/73	Revise median guard rail, from single type 4B to double type 4A. Revise Hwy. Lighting Standard.
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	29	302

Revised: July 17, 1971



CURVE DATA

	B-4	O.B.	I.B.
Δ	46° 36' 30"	46° 36' 30"	46° 36' 30"
R	1000.00	1002.42	997.58
T	430.75	431.80	429.71
L	813.47	815.44	811.50

THIS SHEET SUPERSEDES
SHEET NO. 29

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1"=20' Date: Dec., 1970

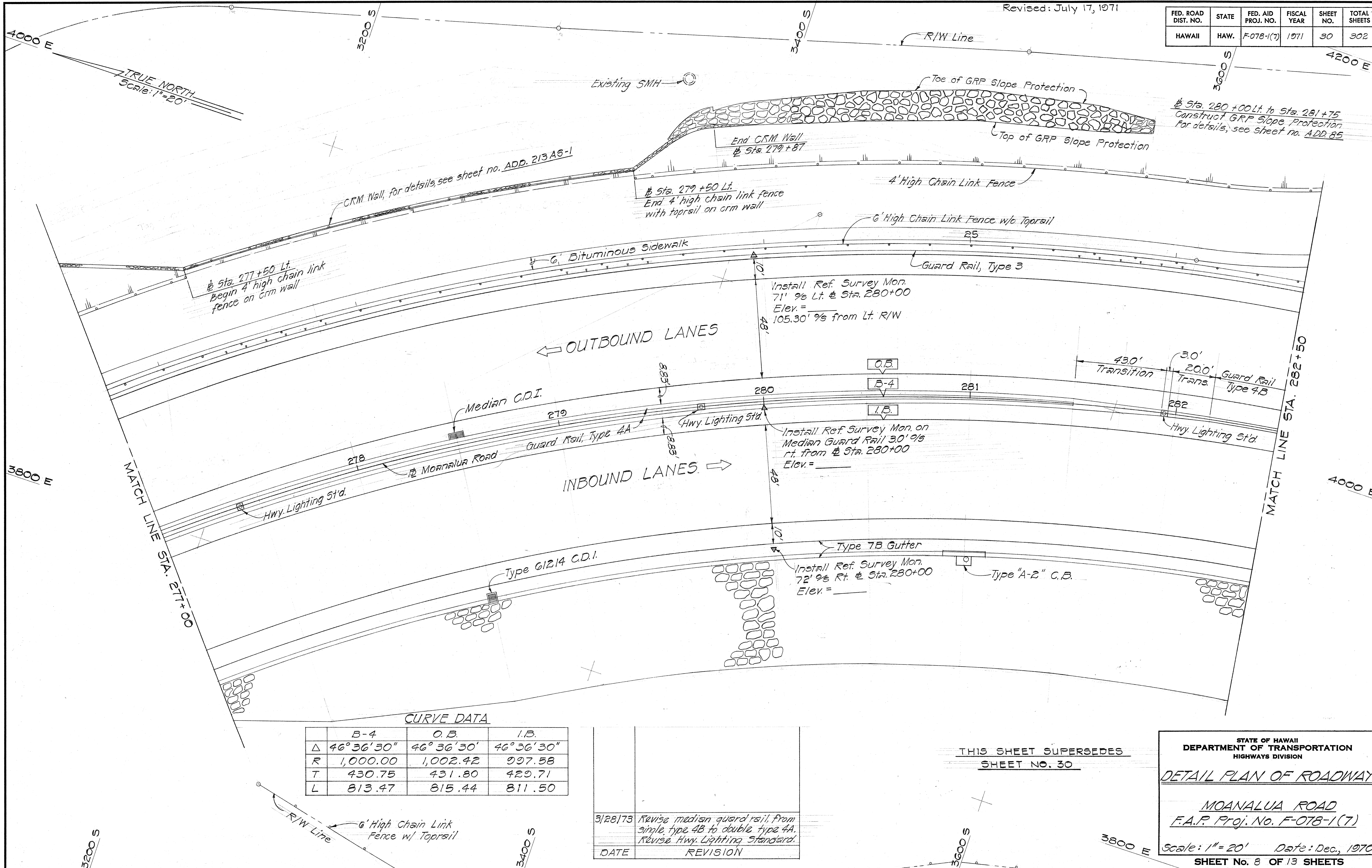
SHEET No. 7 OF 13 SHEETS

C.O. ADD. 29

DATE	REVISION
7/10/73	Revise median guard rail, from single, type 4B to double, type 4A. Revise Hwy. Lighting Standard. Revise footing for E-2 Sign Post.

Revised: July 17, 1971

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	30	302



CURVE DATA

	B-4	O.B.	I.B.
Δ	46°36'30"	46°36'30"	46°36'30"
R	1,000.00	1,002.42	997.58
T	430.75	431.80	429.71
L	813.47	815.44	811.50

DATE	REVISION
3/28/73	Revise median guard rail from single type 4B to double type 4A. Revise Hwy. Lighting Standard.

THIS SHEET SUPERSEDES
SHEET NO. 30

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1"=20' Date: Dec., 1970

SHEET No. 8 OF 13 SHEETS

C.O. ADD.30

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

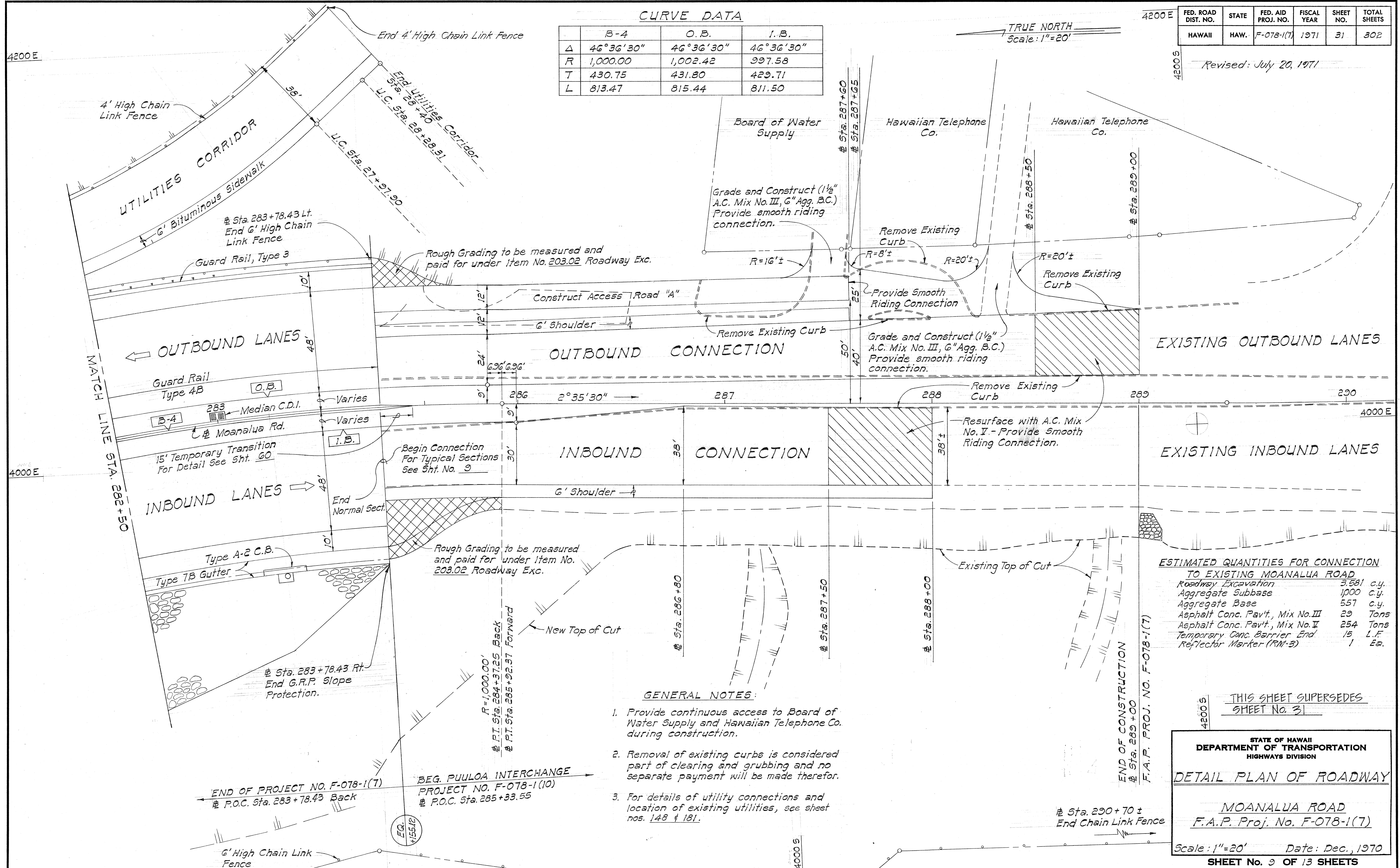
CURVE DATA

	B-4	O.B.	I.B.
Δ	46°36'30"	46°36'30"	46°36'30"
R	1,000.00	1,002.42	997.58
T	430.75	431.80	429.71
L	813.47	815.44	811.50

TRUE NORTH
Scale: 1"=20'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	31	302

Revised: July 20, 1971



THIS SHEET SUPERSEDES SHEET No. 31

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1"=20' Date: Dec., 1970
SHEET No. 9 OF 13 SHEETS

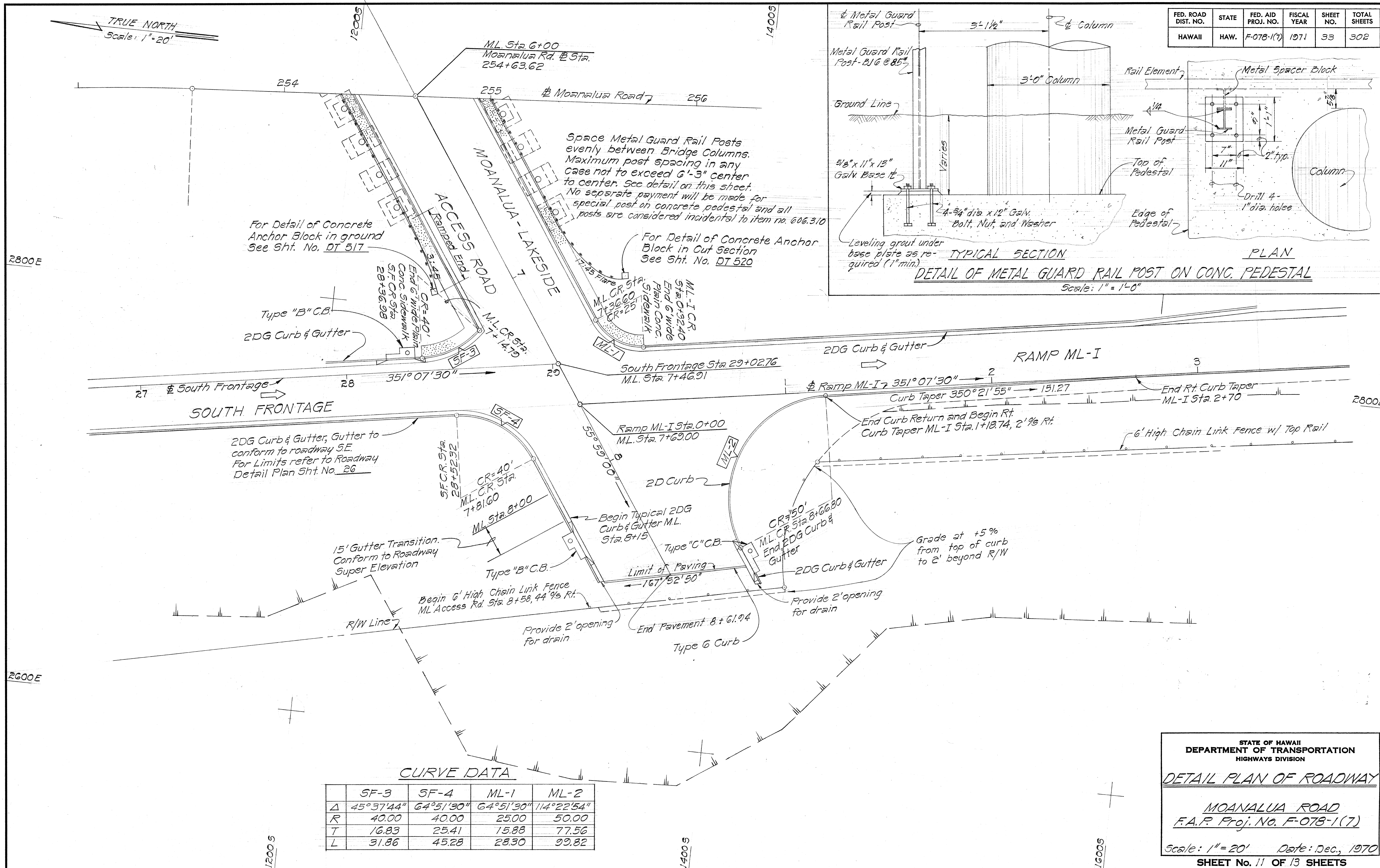
ADD. 31

3200 E



	A-1	A-2	A-3	A-4	A-5	A-6	A-7
Δ	80°56'00"	22°20'00"	118°57'25"	71°4'48"	134°11'32"	7°34'34"	36°59'34"
R	275.00	690.00	65.00	100.00	55.00	339.17	100.00
T	234.60	136.21	110.25	71.65	130.18	22.46	33.45
L	388.45	268.96	134.95	124.35	128.82	44.85	64.56

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	33	302



CURVE DATA

	SF-3	SF-4	ML-1	ML-2
Δ	45°37'44"	64°51'30"	64°51'30"	114°22'54"
R	40.00	40.00	25.00	50.00
T	16.83	25.41	15.88	77.56
L	31.86	45.28	28.30	99.82

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

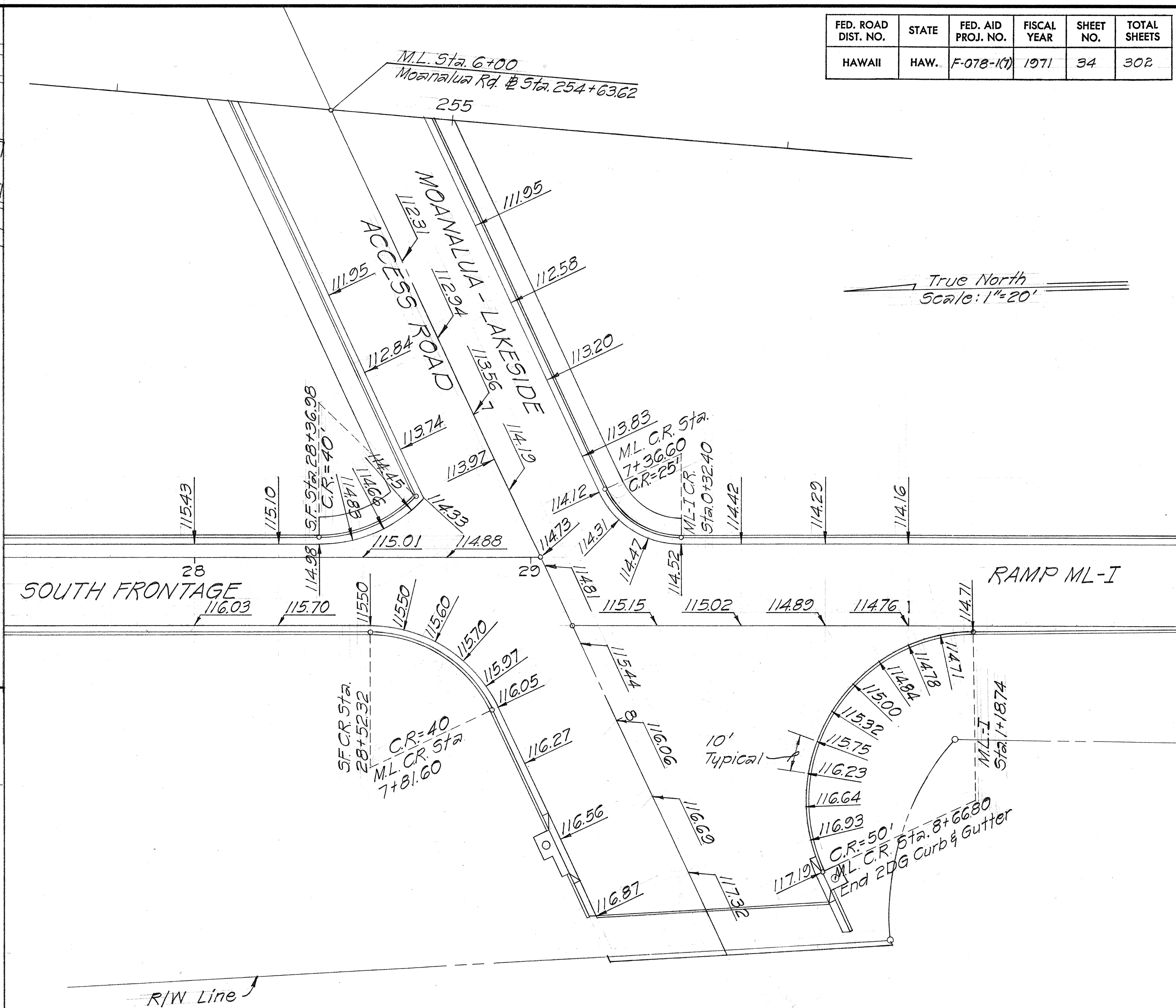
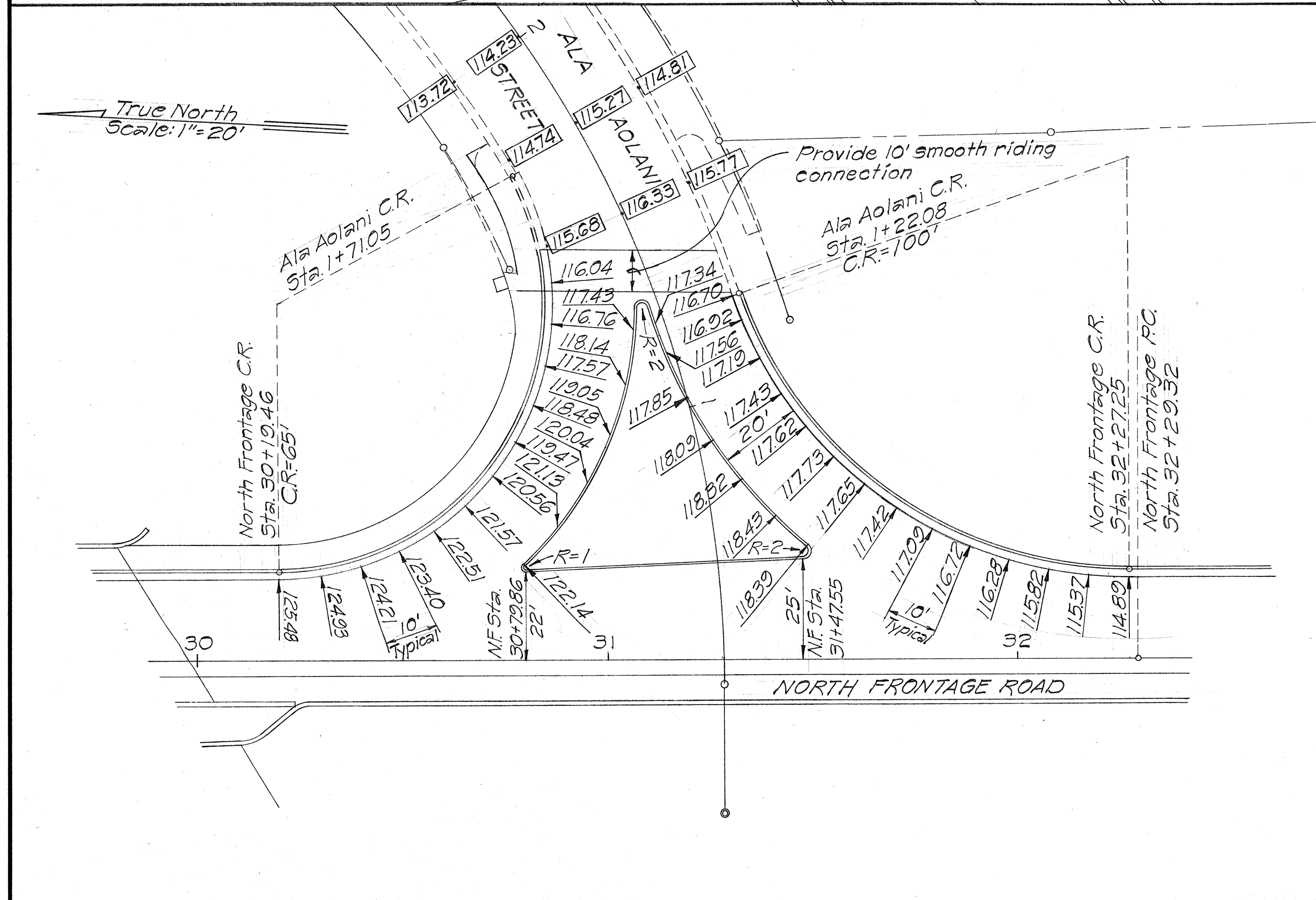
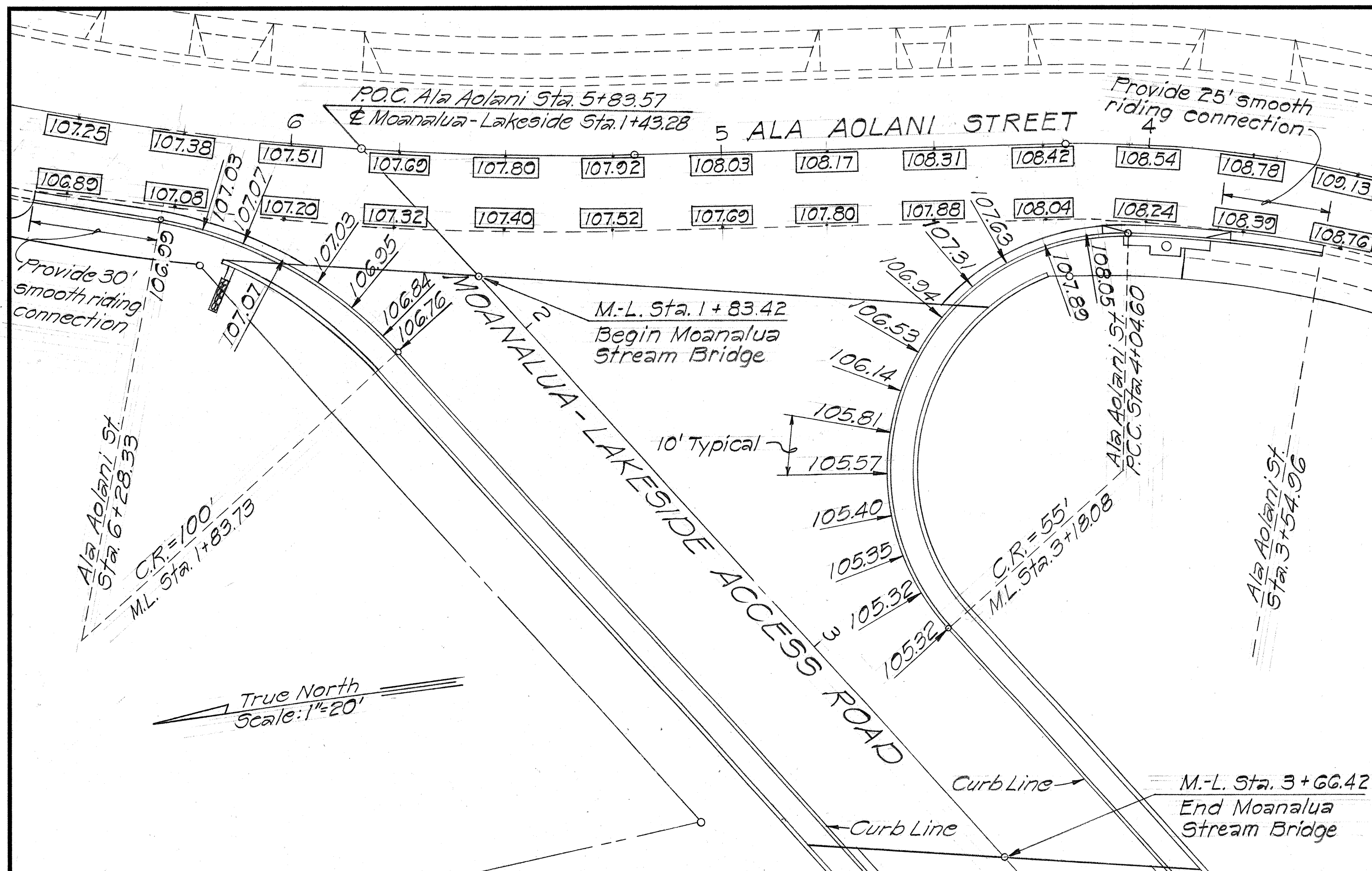
DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1"=20' Date: Dec., 1970

SHEET No. 11 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	34	302

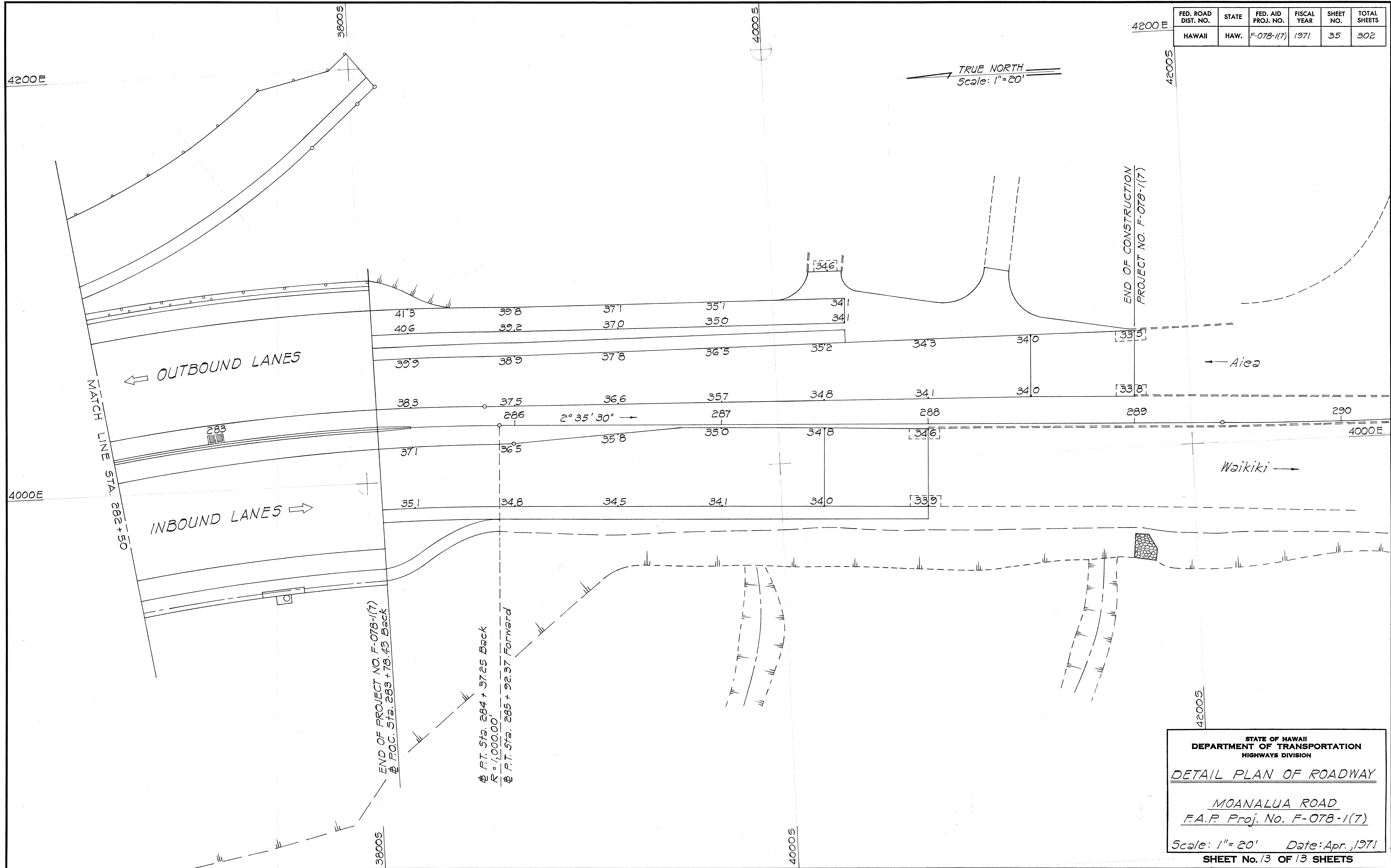


NOTE:
Grades shown thus are existing pavement grades.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)
Scale: 1"=20' Date: Dec, 1970
SHEET No. 12 OF 13 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(7)	1971	35	302



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOANALUA ROAD
F.A.P. Proj. No. F-078-1(7)

Scale: 1" = 20' Date: Apr. 1971

SHEET No. 13 OF 13 SHEETS