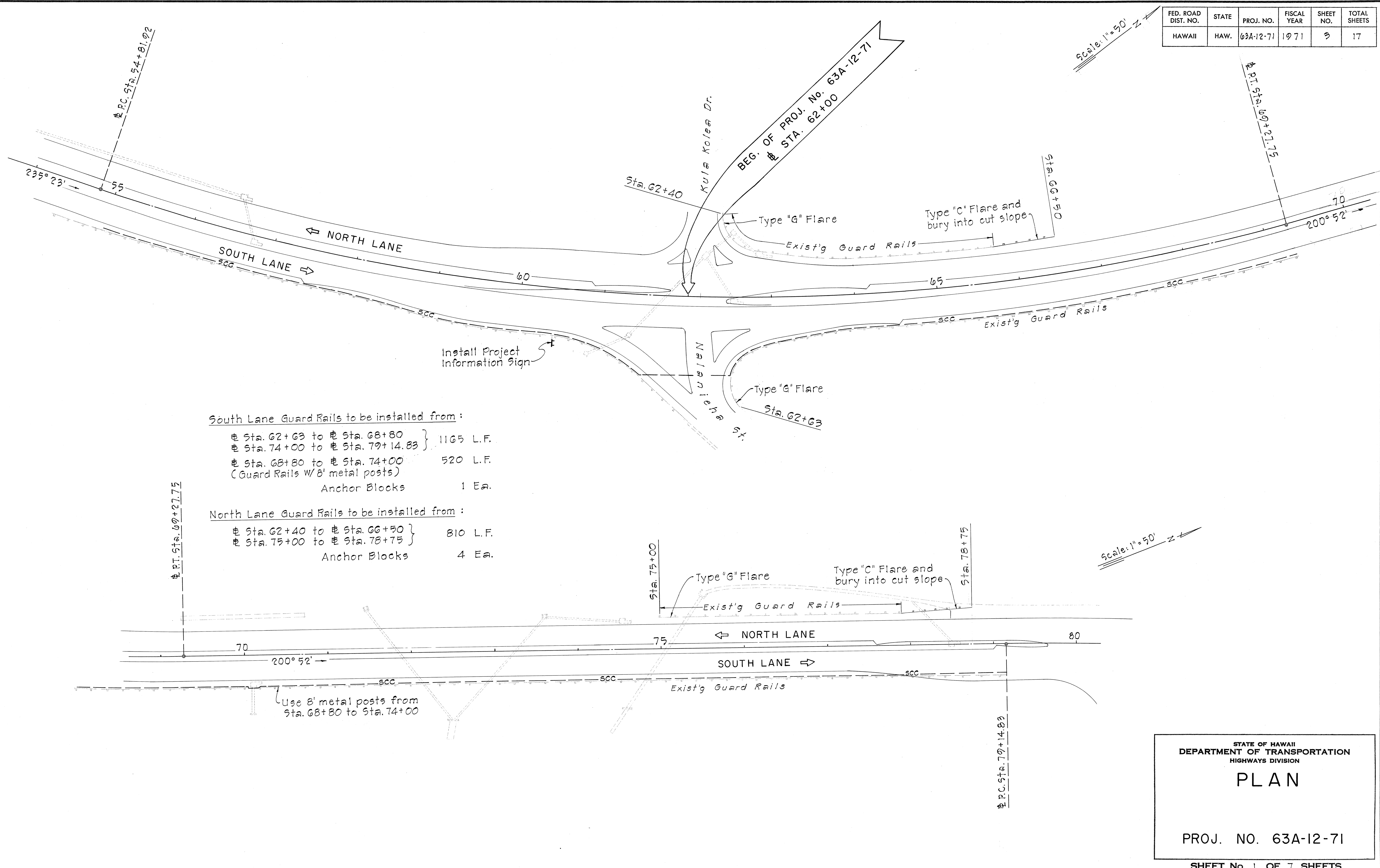


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	3	17



South Lane Guard Rails to be installed from :

- Sta. 62+63 to Sta. 68+80 } 1165 L.F.
- Sta. 74+00 to Sta. 79+14.83 } 520 L.F.
- (Guard Rails w/ 8' metal posts)
- Anchor Blocks 1 Ea.

North Lane Guard Rails to be installed from :

- Sta. 62+40 to Sta. 66+50 } 810 L.F.
- Sta. 75+00 to Sta. 78+75 } 4 Ea.
- Anchor Blocks

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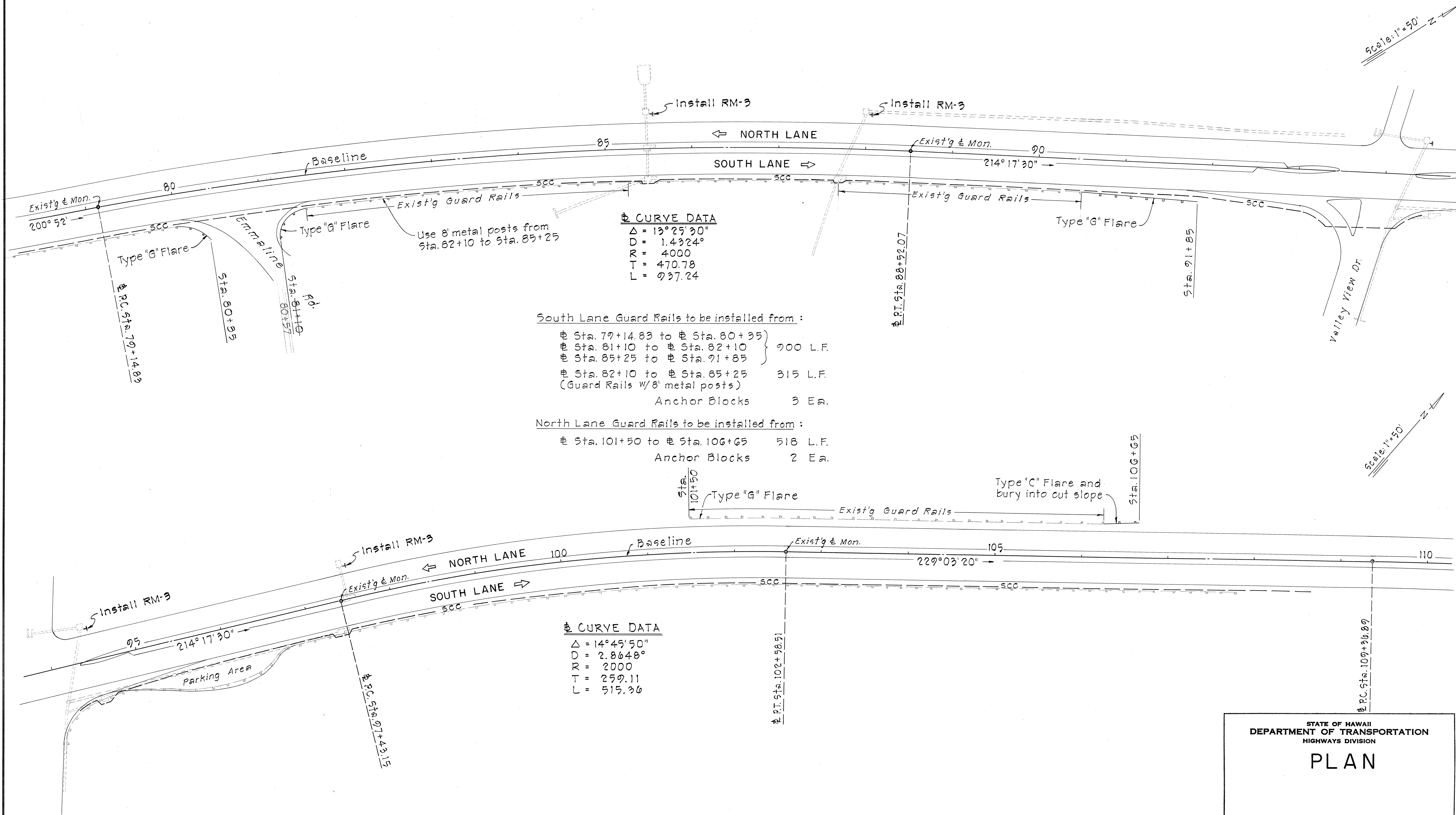
PLAN

PROJ. NO. 63A-12-71

SHEET No. 1 OF 7 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	"
DESIGNED BY	"
CHECKED BY	"
NOTE BOOK	No.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	4	17



DATE	BY
DESIGNED BY	DESIGNED BY
DRAWN BY	DRAWN BY
CHECKED BY	CHECKED BY
NOTED BY	NOTED BY
NO.	NO.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

PROJ. NO. 63A-12-71

SHEET No. 2 OF 7 SHEETS

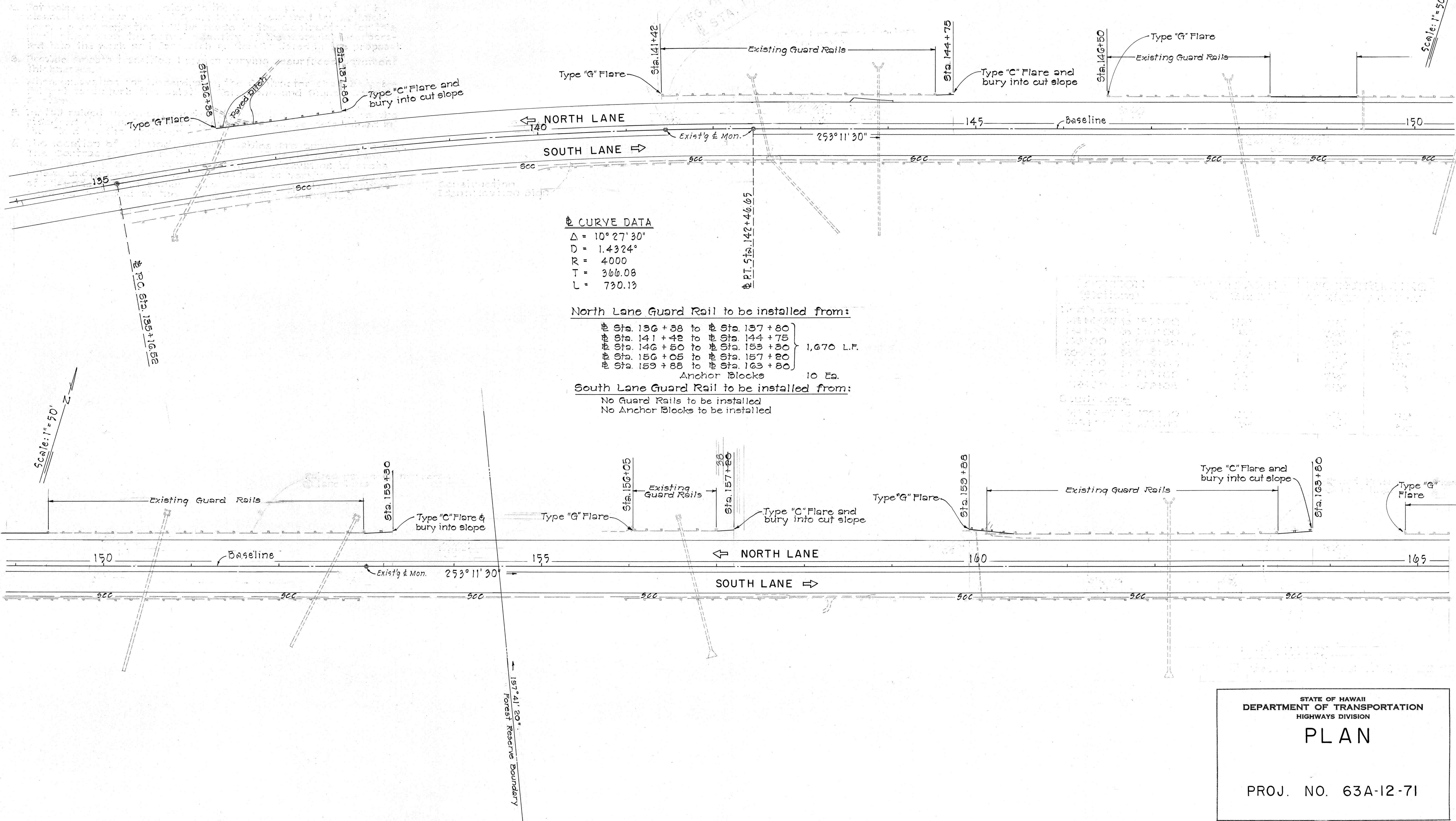
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	6	17

GENERAL NOTES

1. The existing guard rails are to be replaced with new guard rails. The new guard rails are to be installed in accordance with the following specifications:

2. The new guard rails are to be installed in accordance with the following specifications:

3. The new guard rails are to be installed in accordance with the following specifications:



STATE OF HAWAII
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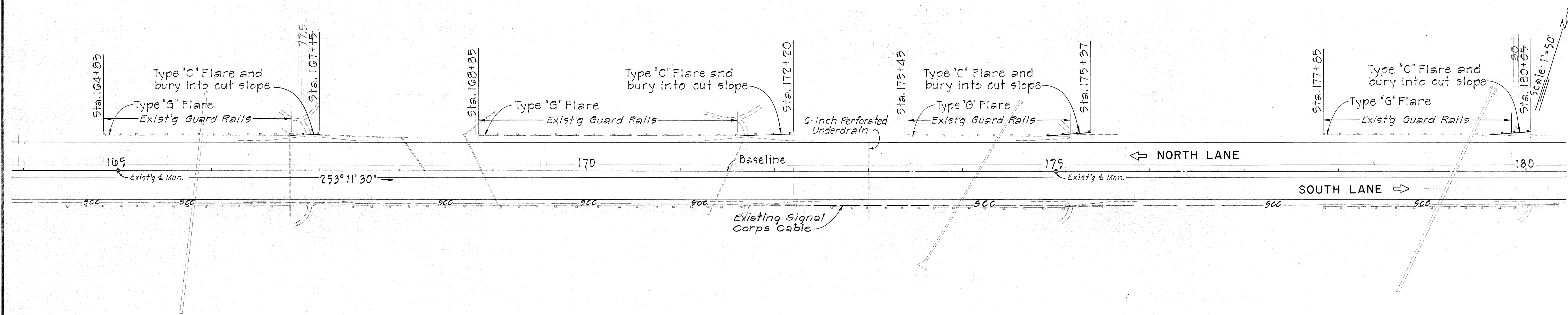
PLAN

PROJ. NO. 63A-12-71

SHEET No. 4 OF 7 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	7	17



North Lane Guard Rails to be installed from :

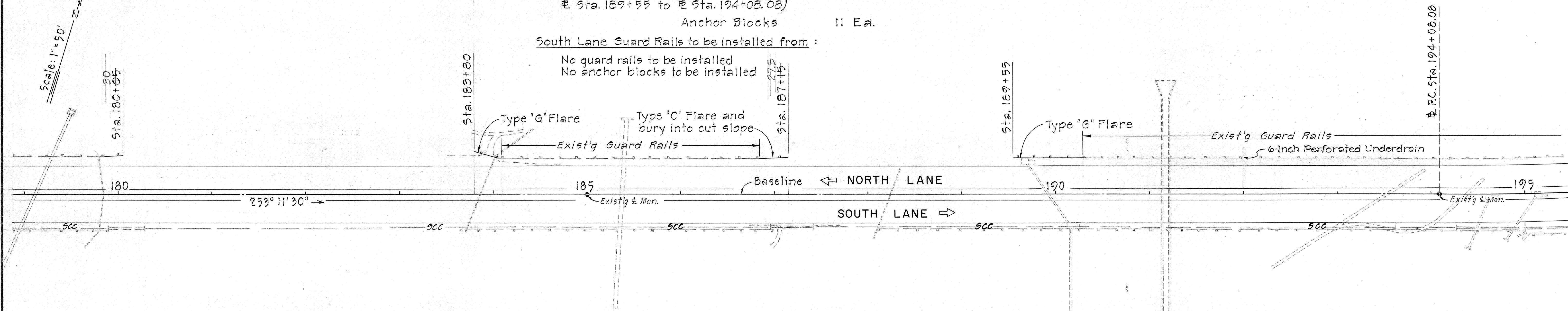
电 Sta. 164+85 to 电 Sta. 167+15
 电 Sta. 168+85 to 电 Sta. 172+20
 电 Sta. 173+43 to 电 Sta. 175+37
 电 Sta. 177+85 to 电 Sta. 180+05
 电 Sta. 183+80 to 电 Sta. 187+15
 电 Sta. 189+55 to 电 Sta. 194+08.08

1,785 L.F.

Anchor Blocks 11 Ea.

South Lane Guard Rails to be installed from :

No guard rails to be installed
 No anchor blocks to be installed



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HIGHWAYS DIVISION

PLAN

PROJ. NO. 63A-12-71

SHEET No. 5 OF 7 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____

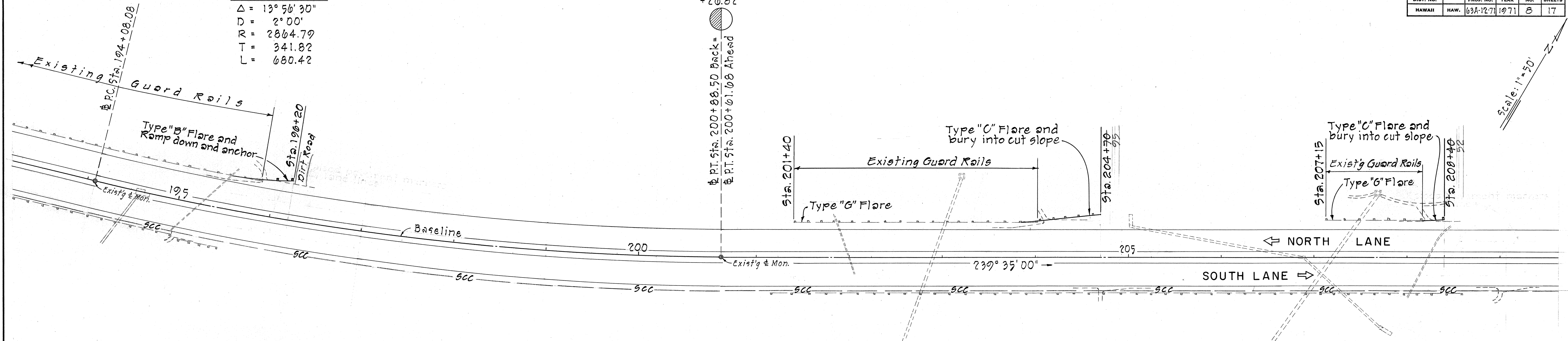
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	8	17

☛ CURVE DATA

$\Delta = 13^\circ 56' 30''$
 $D = 2^\circ 00'$
 $R = 2864.79$
 $T = 341.82$
 $L = 680.42$

+26.82

☛ P.T. Sta. 200+88.50 Back =
 ☛ P.T. Sta. 200+61.08 Ahead

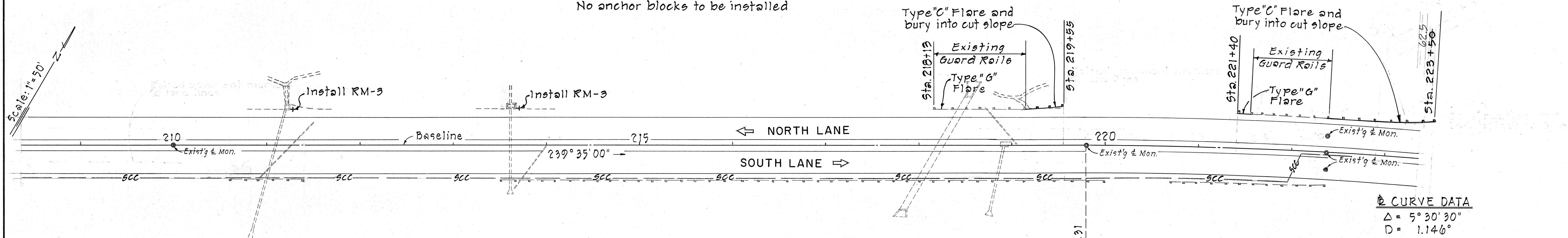


NORTH LANE GUARD RAIL TO BE INSTALLED FROM:

☛ Sta. 194+08.08 to ☛ Sta. 196+20
 ☛ Sta. 201+40 to ☛ Sta. 204+70
 ☛ Sta. 207+15 to ☛ Sta. 208+40
 ☛ Sta. 218+13 to ☛ Sta. 219+55
 ☛ Sta. 221+40 to ☛ Sta. 223+50
 1,015 LF
 Anchor Blocks - 9 Ea.

SOUTH LANE GUARD RAIL TO BE INSTALLED FROM:

No guard rails to be installed
 No anchor blocks to be installed



☛ CURVE DATA

$\Delta = 5^\circ 30' 30''$
 $D = 1.146^\circ$
 $R = 5000$
 $T = 240.53$
 $L = 480.69$

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PROJ. NO. 63A-12-71

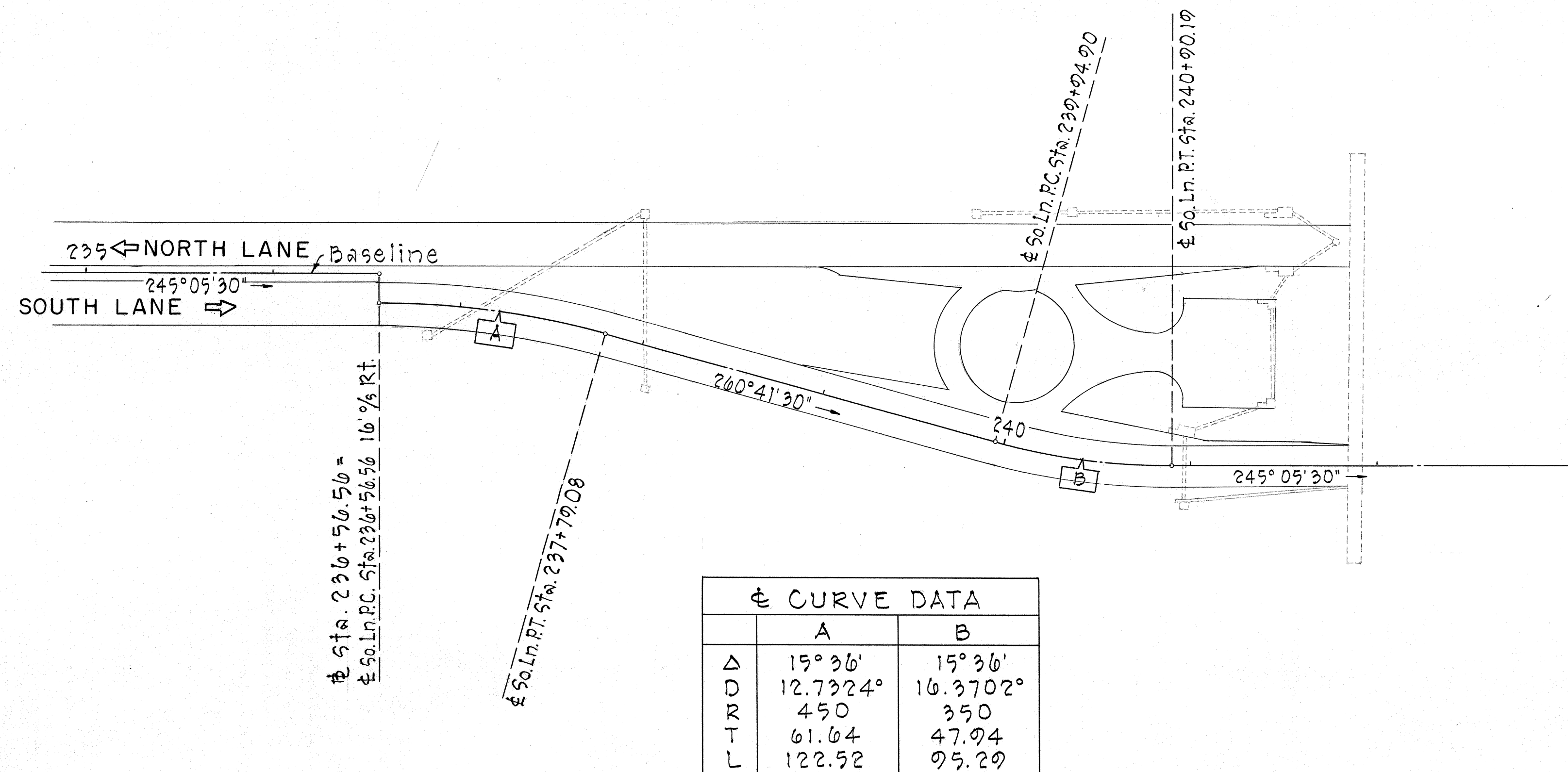
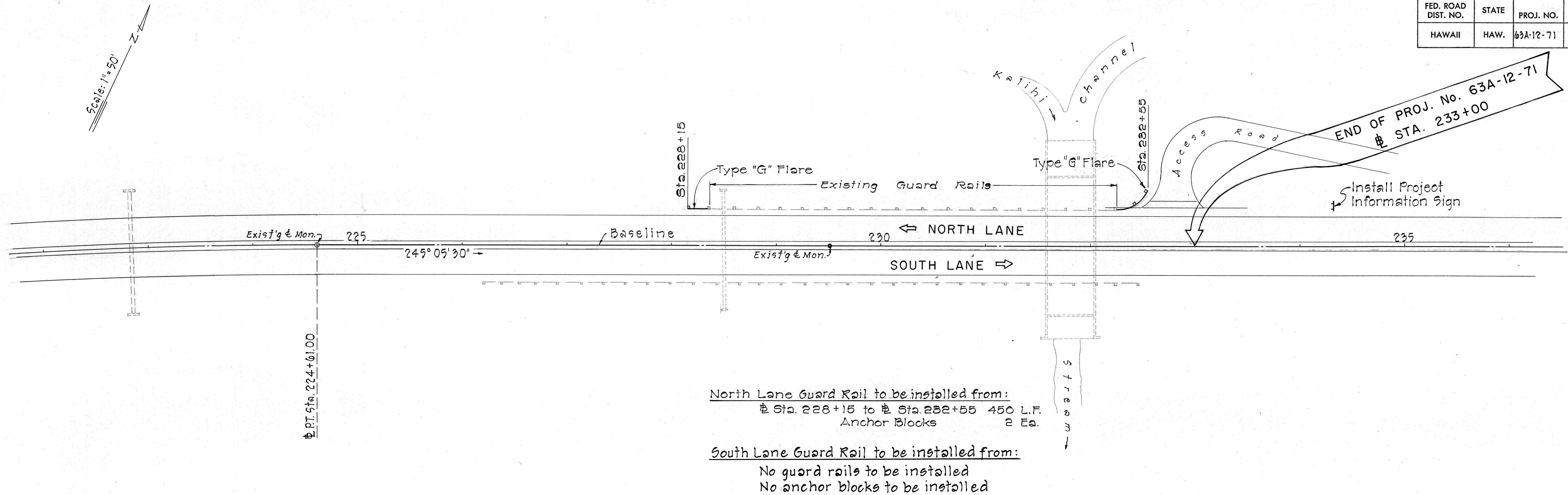
SHEET No. 8 OF 7 SHEETS

March 23, 1971

ADD. \$

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
APPROVED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-12-71	1971	7	17



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PLAN

PROJ. NO. 63A-12-71

SHEET No. 7 OF 7 SHEETS

ORIGINAL PLAN	DATE
NOTED BY	DESIGNED BY
QUANTITIES BY	TRACED BY
CHECKED BY	DATE