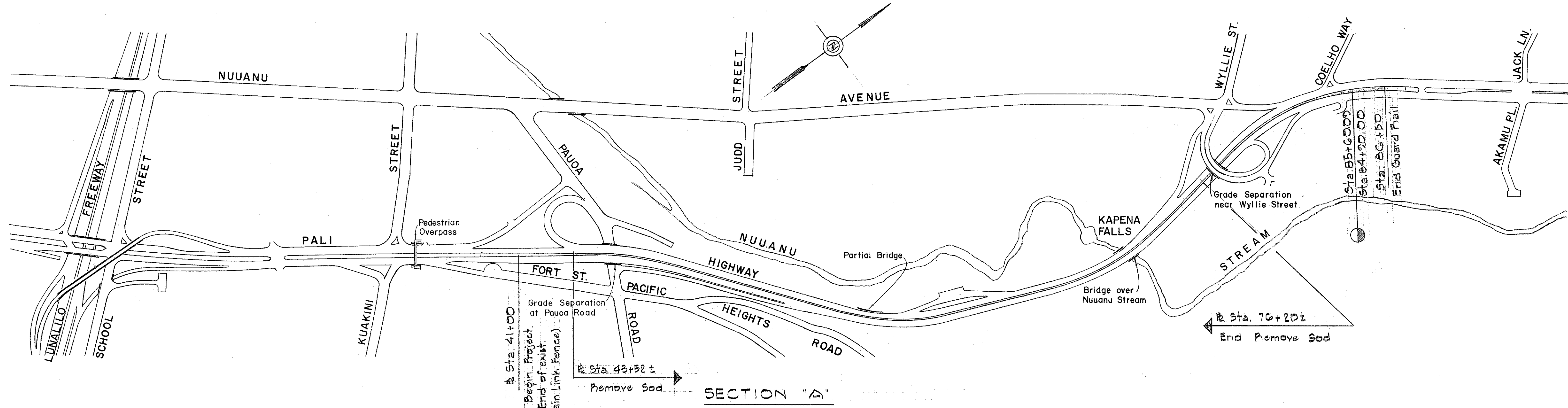


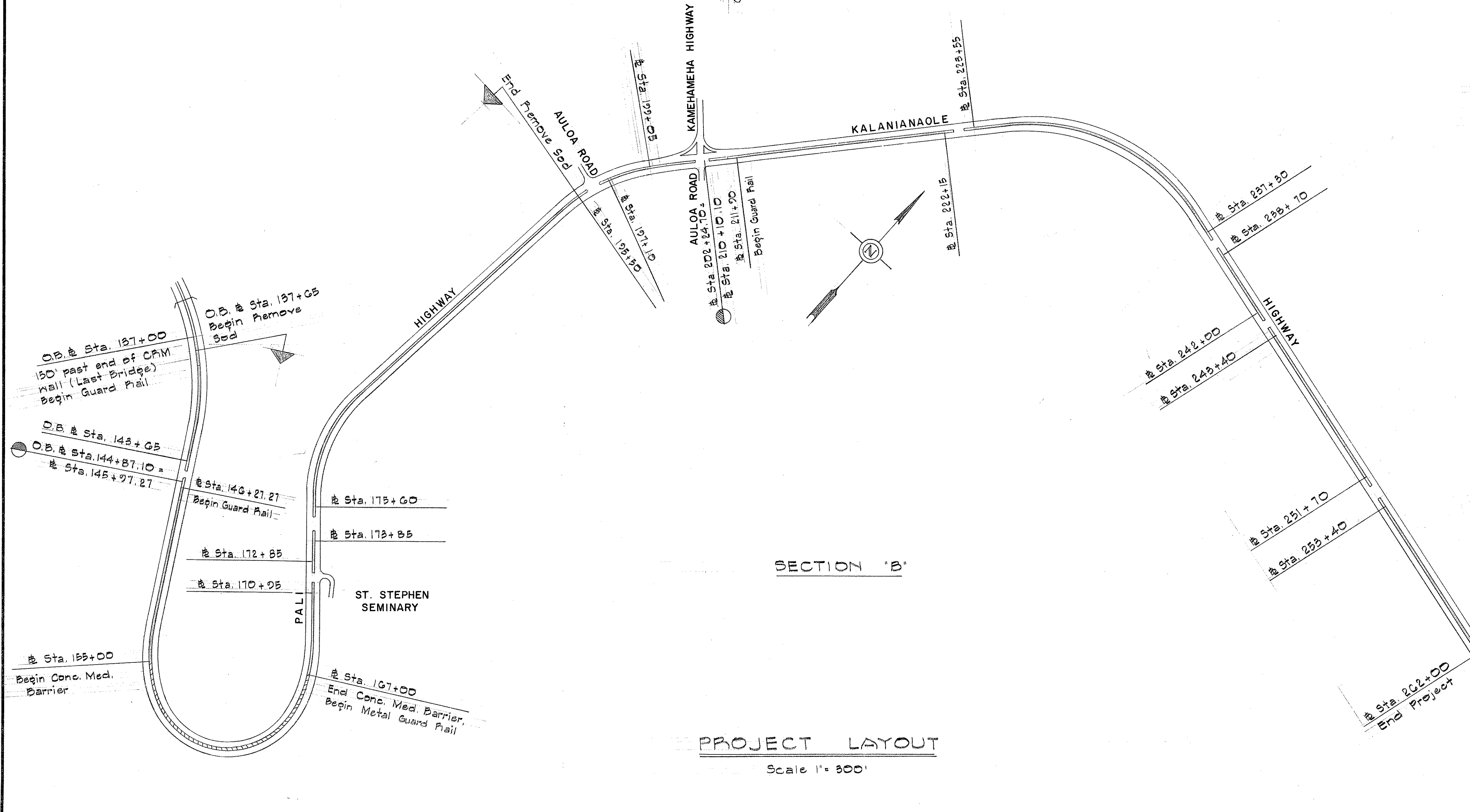


NOTES:

- Kuakini to Coelho, sod to be removed from median, @ Sta. 43+52 ± to 76+20 ± and replace with gravel.
- Pali Bridge to Castle Junction, sod to be removed from median, O.B. Sta. 137+65 ± to @ Sta. 195+50 ± (Except at median openings) and replace with gravel.

ESTIMATED QUANTITIES		
ITEM NO	ITEM	QUANTITY
80(1)	Concrete Median Barrier	1,200 LF
80(2)A	Single Blocked - Out Metal Guard Rail with Concrete Posts	700 LF
*80(2)B	Single Blocked - Out Metal Guard Rail with Steel Posts	700 LF
80(3)A	Double Blocked-Out Metal Guard Rail with Concrete Posts	12,765 LF
*80(3)B	Double Blocked-Out Metal Guard Rail with Steel Posts	12,765 LF
81	Reconstructed Guard Rail	200 LF
107(2)	Bi-directional Reflector Markers (RM-1) on New Pipe Post in Concrete Median Barrier	5 ea
107(2)A	Salvaged Bi-directional Reflector Markers (RM-1) on New Pipe Post in Concrete Median Barrier	25 ea
107(2)B	Reflector Markers (RM-3) on Salvaged Channel Posts	2 ea
111(4)	Reset Bi-directional Reflector Markers (RM-1) on Channel Posts	5 ea

* Alternate Bid Items



PROJECT LAYOUT

Scale 1" = 300'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT PROJECT LIMITS

MEDIAN GUARD RAIL ON PALI HIGHWAY

Proj. No. F-061-1(11)

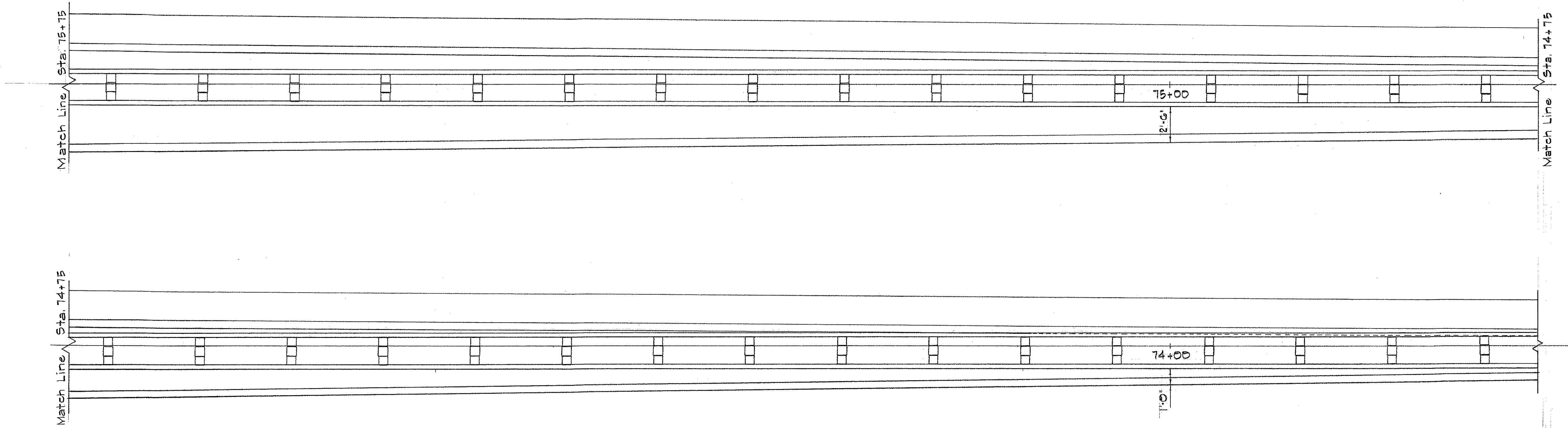
Scale: as Shown

March, 1966

SHEET No. OF SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

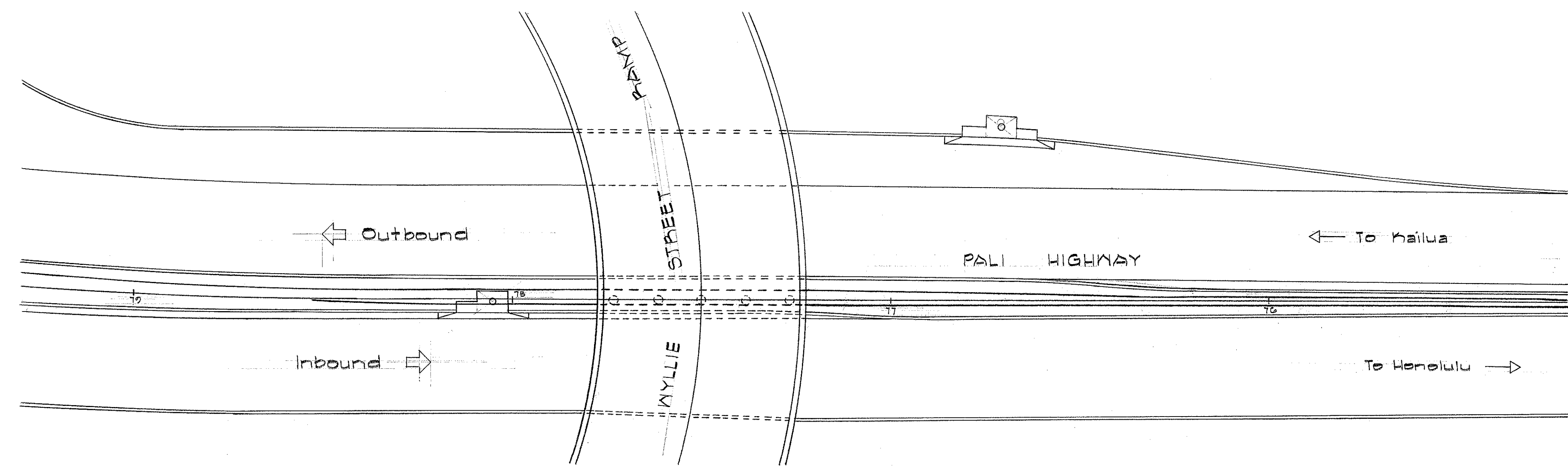
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(II)	1966	5	10



PLAN

GUARD RAIL LAYOUT
Sta. 74+00 to 75+75

Scale: 1/4" = 1'-0"



LAYOUT

Scale: 1" = 20'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

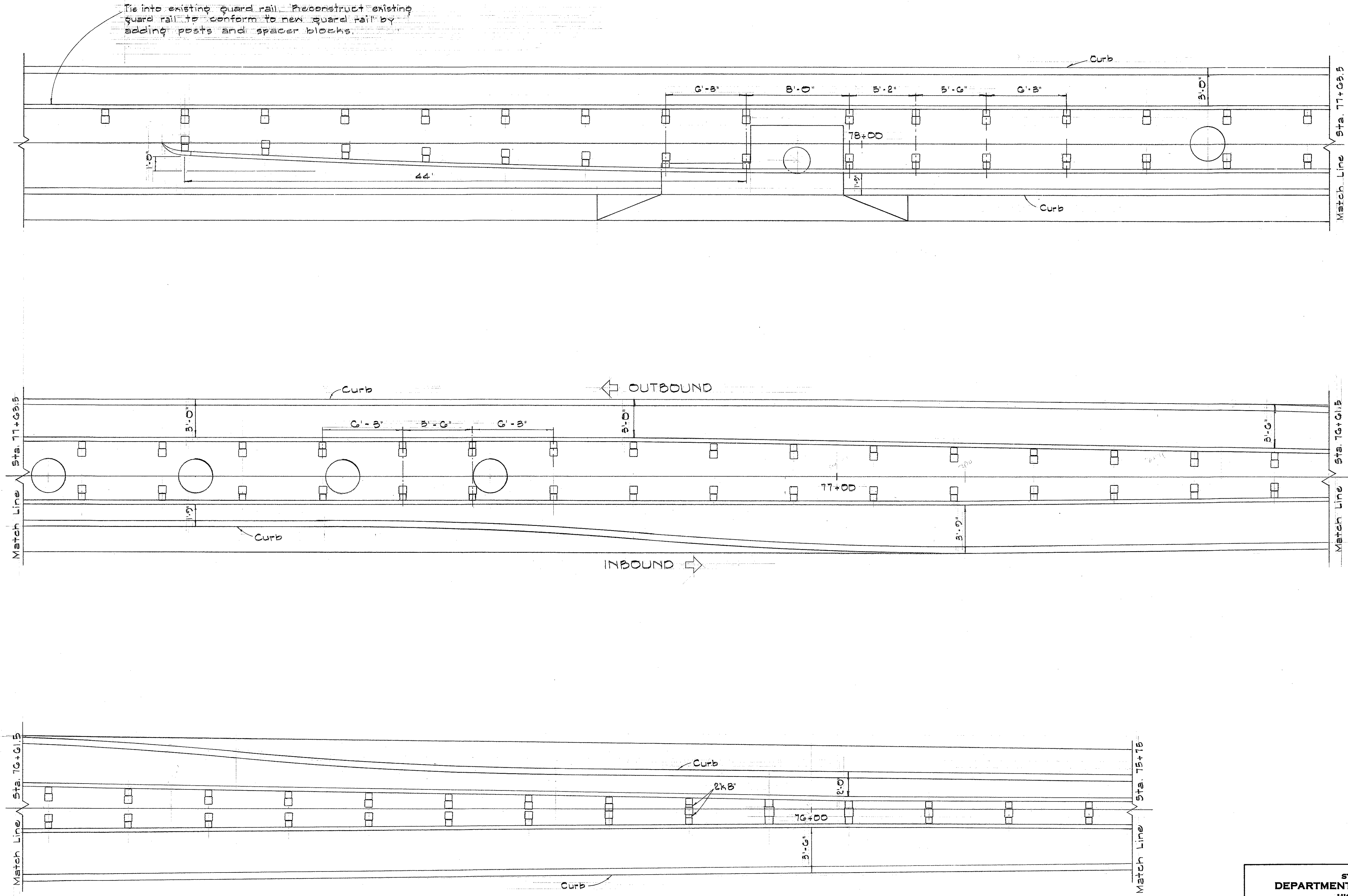
GUARD RAIL LAYOUT
MEDIAN GUARD RAIL ON PALI HIGHWAY
Proj. No. F-061-1(II)

Scale: as Noted
March, 1966

SHEET No. OF SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(II)	1966	6	10



PLAN

LAYOUT OF GUARD RAIL TAPE
AT WYLLIE STREET RAMP
@ Sta. 75+75 to 78+00
Scale: 1/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

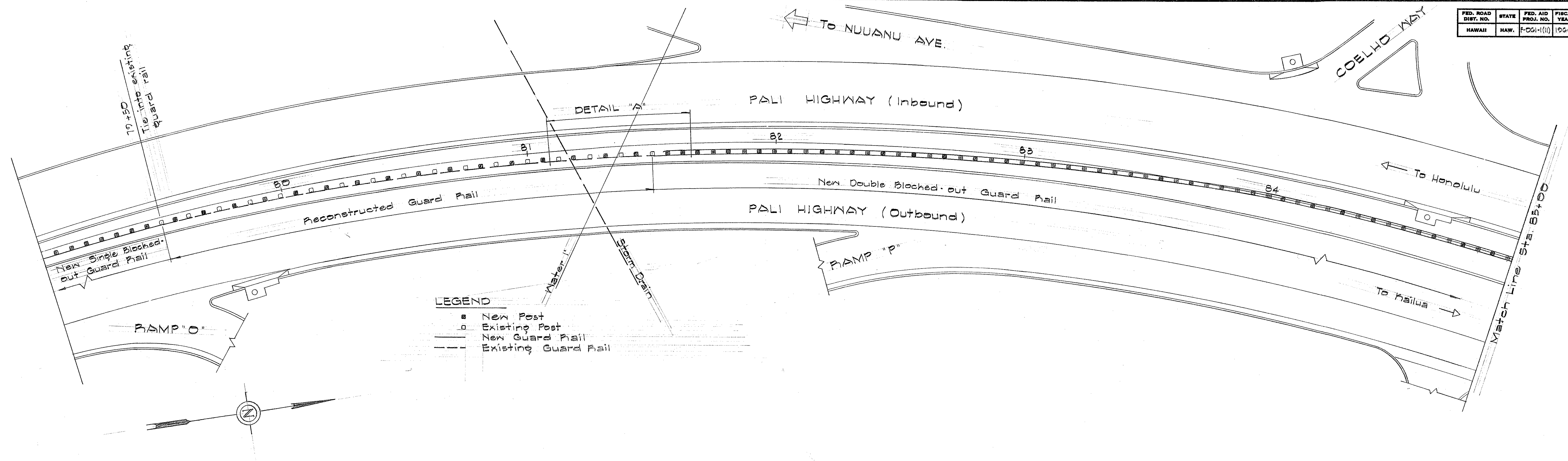
GUARD RAIL LAYOUT
WYLLIE STREET RAMP
MEDIAN GUARD RAIL ON PALI HIGHWAY
Proj. No. F-061-1(II)

Scale: 1/4" = 1'-0" March, 1966

SHEET No. 6 OF 10 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

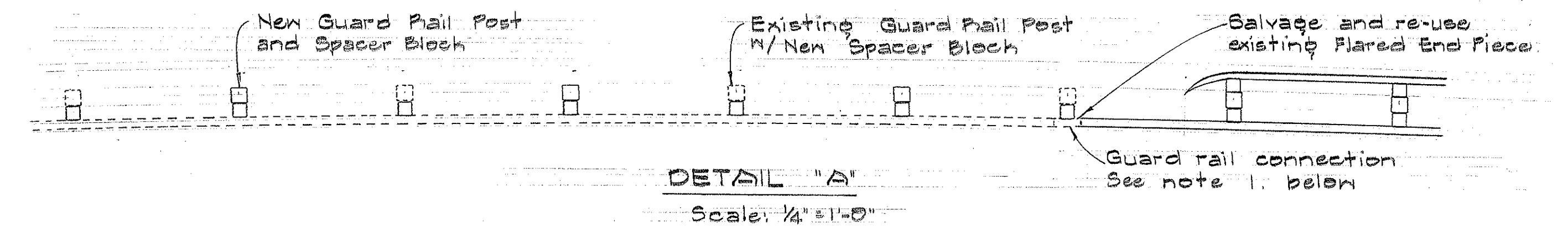
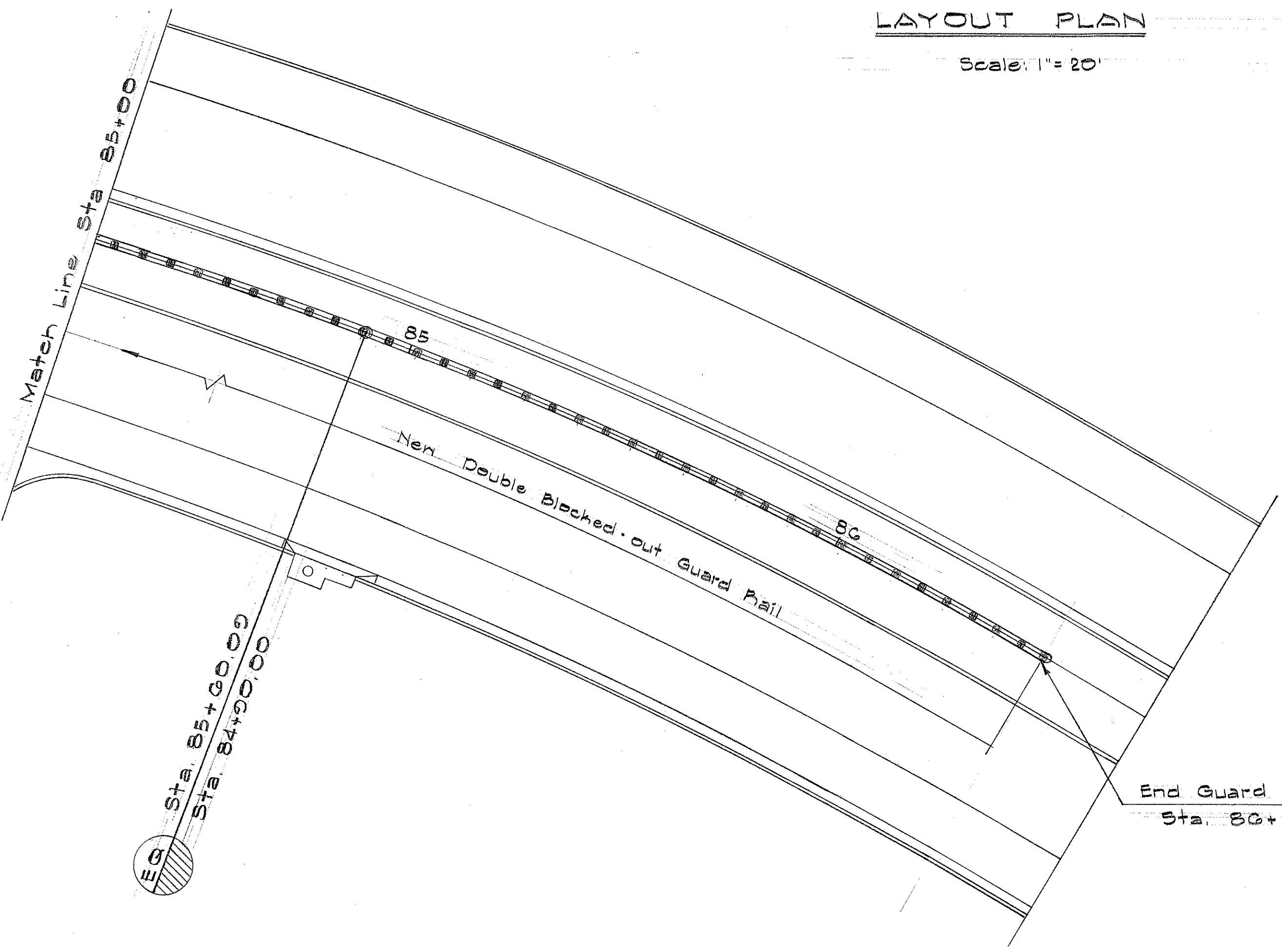
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(II)	1966	7	10



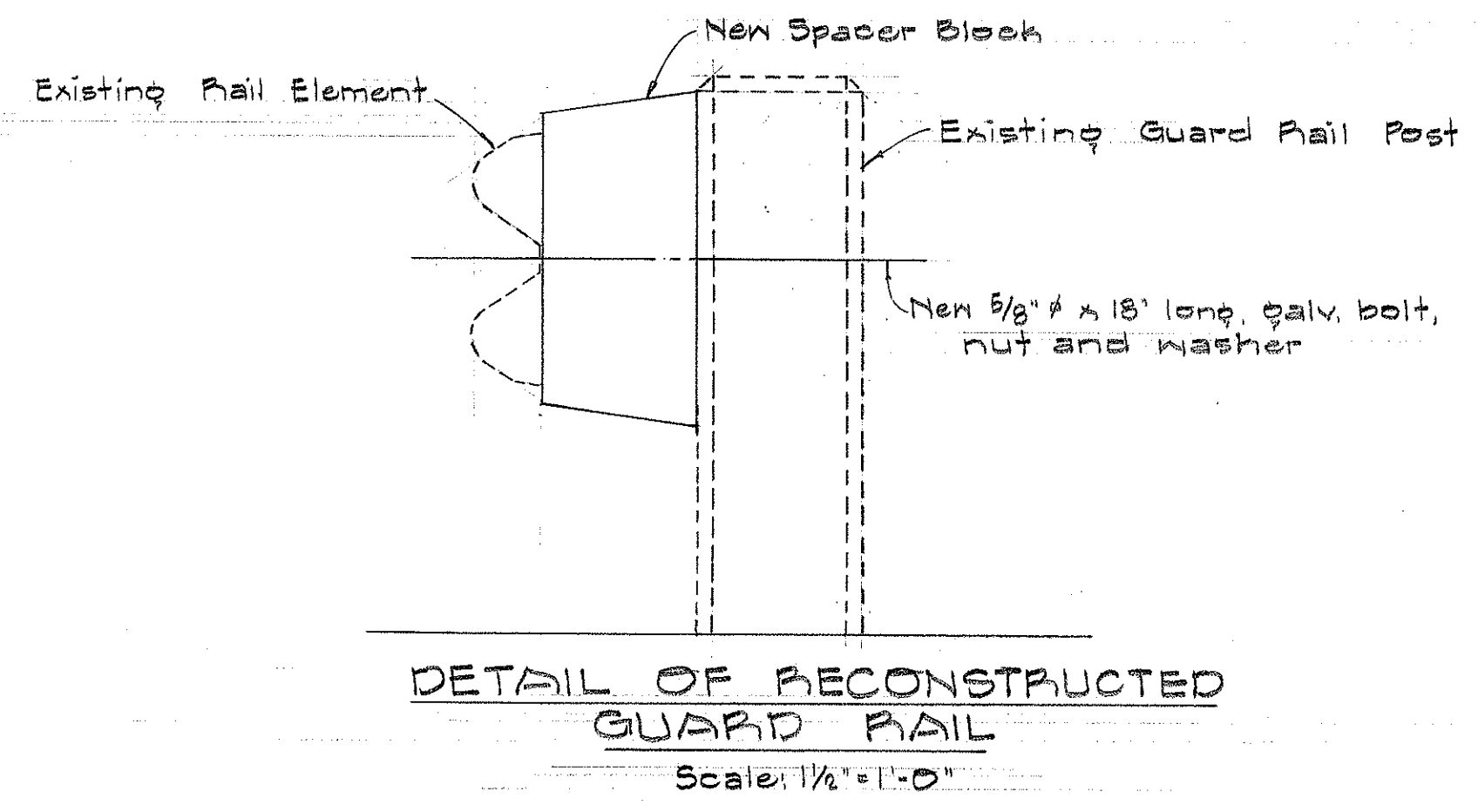
- LEGEND**
- New Post
 - Existing Post
 - New Guard Rail
 - - - Existing Guard Rail

LAYOUT PLAN

Scale: 1" = 20'



- NOTE:**
- Guard rail connection at Sta. 79+50 similar except that the new guard rail is single type.
 - Reconstructed Guard Rail to conform to Single Blocked-Out Guard Rail. See Standard Details.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT

MEDIAN GUARD RAIL ON PALI HIGHWAY
Proj. No. F-061-1(II)

Scale: as Noted
March, 1966

SHEET No. OF SHEETS

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