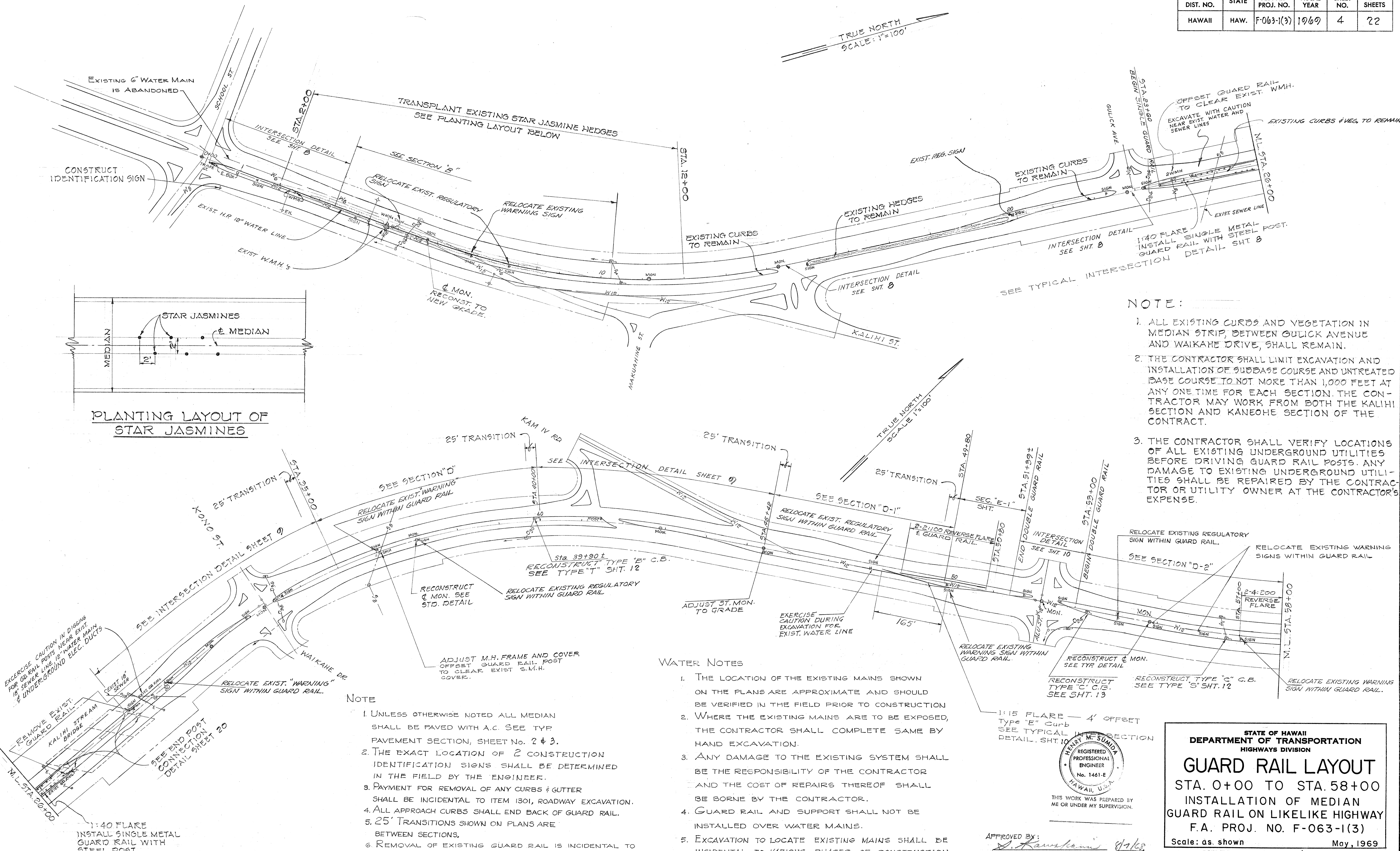


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(3)	1969	4	22

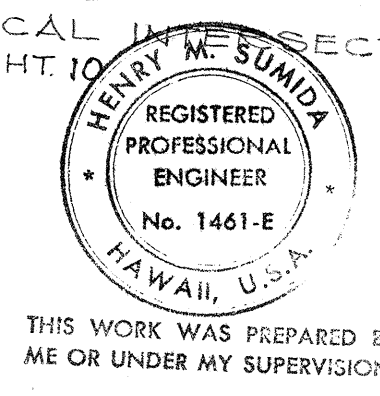


PLANTING LAYOUT OF STAR JASMINES

- NOTE:
1. ALL EXISTING CURBS AND VEGETATION IN MEDIAN STRIP, BETWEEN GULICK AVENUE AND WAIKAE DRIVE, SHALL REMAIN.
 2. THE CONTRACTOR SHALL LIMIT EXCAVATION AND INSTALLATION OF SUBBASE COURSE AND UNTREATED BASE COURSE TO NOT MORE THAN 1,000 FEET AT ANY ONE TIME FOR EACH SECTION. THE CONTRACTOR MAY WORK FROM BOTH THE KALIHĪ SECTION AND KANEOHE SECTION OF THE CONTRACT.
 3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES BEFORE DRIVING GUARD RAIL POSTS. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR OR UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.

- NOTE
1. UNLESS OTHERWISE NOTED ALL MEDIAN SHALL BE PAVED WITH A.C. SEE TYP. PAVEMENT SECTION, SHEET NO. 2 & 3.
 2. THE EXACT LOCATION OF 2 CONSTRUCTION IDENTIFICATION SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 3. PAYMENT FOR REMOVAL OF ANY CURBS & GUTTER SHALL BE INCIDENTAL TO ITEM 1301, ROADWAY EXCAVATION.
 4. ALL APPROACH CURBS SHALL END BACK OF GUARD RAIL.
 5. 25' TRANSITIONS SHOWN ON PLANS ARE BETWEEN SECTIONS.
 6. REMOVAL OF EXISTING GUARD RAIL IS INCIDENTAL TO VARIOUS PHASES OF CONSTRUCTION.

- WATER NOTES
1. THE LOCATION OF THE EXISTING MAINS SHOWN ON THE PLANS ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION
 2. WHERE THE EXISTING MAINS ARE TO BE EXPOSED, THE CONTRACTOR SHALL COMPLETE SAME BY HAND EXCAVATION.
 3. ANY DAMAGE TO THE EXISTING SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE COST OF REPAIRS THEREOF SHALL BE BORNE BY THE CONTRACTOR.
 4. GUARD RAIL AND SUPPORT SHALL NOT BE INSTALLED OVER WATER MAINS.
 5. EXCAVATION TO LOCATE EXISTING MAINS SHALL BE INCIDENTAL TO VARIOUS PHASES OF CONSTRUCTION.



APPROVED BY: *[Signature]* 8/1/69
CHIEF, ENGINEERING DIV, BWS DATE

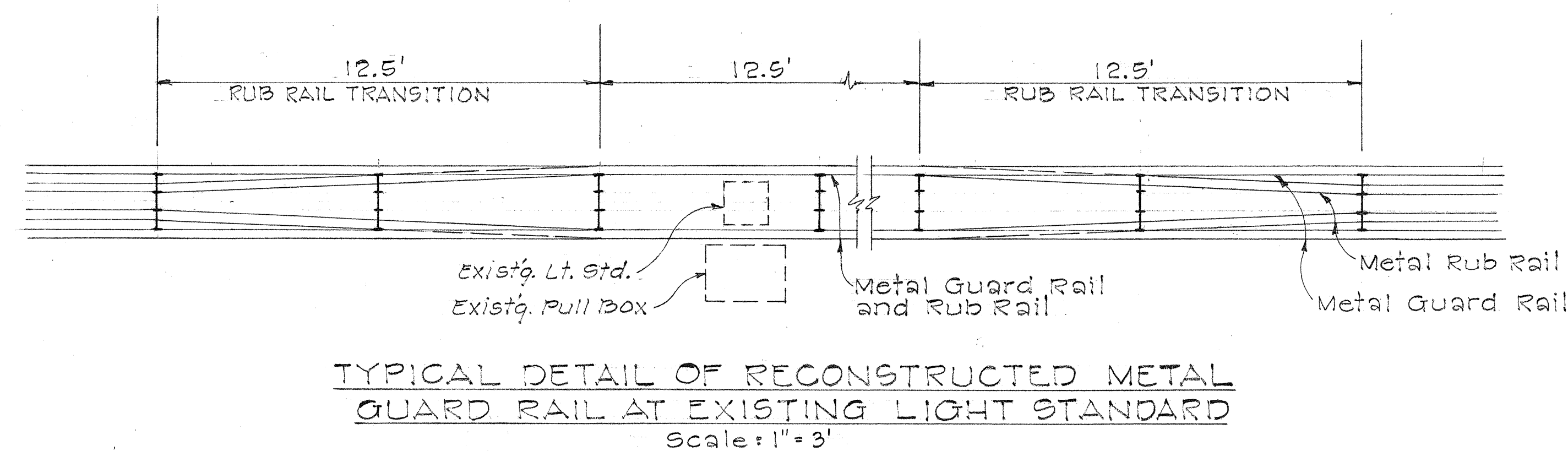
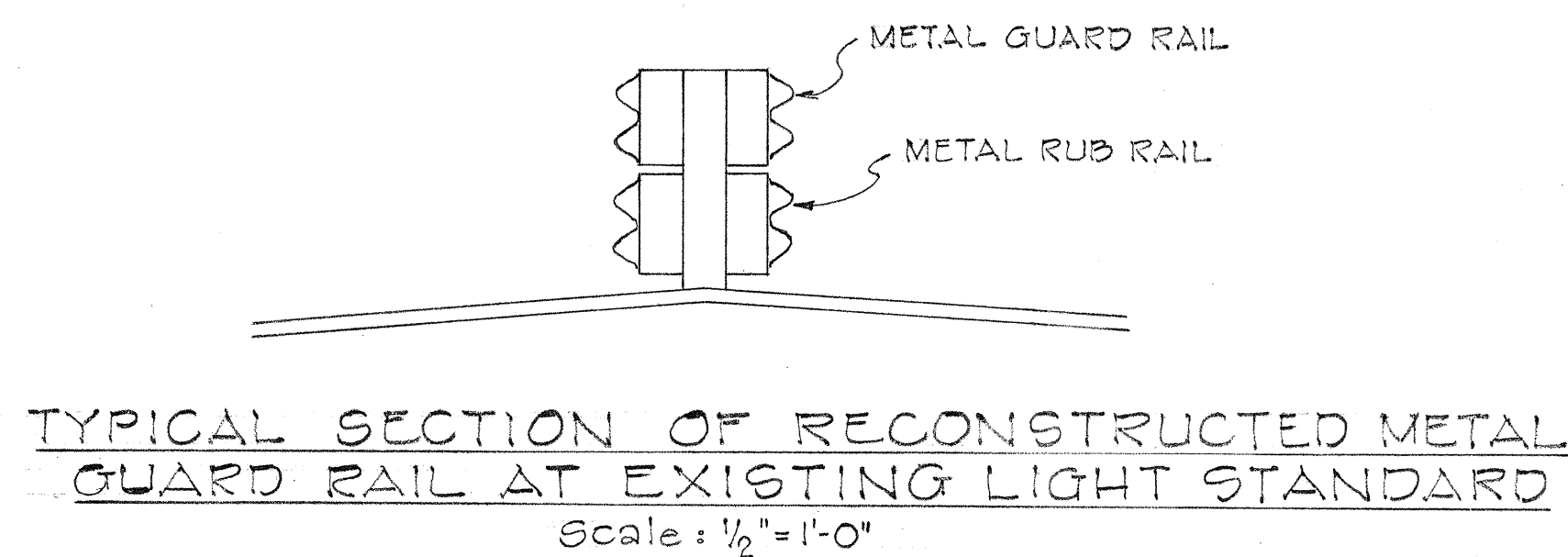
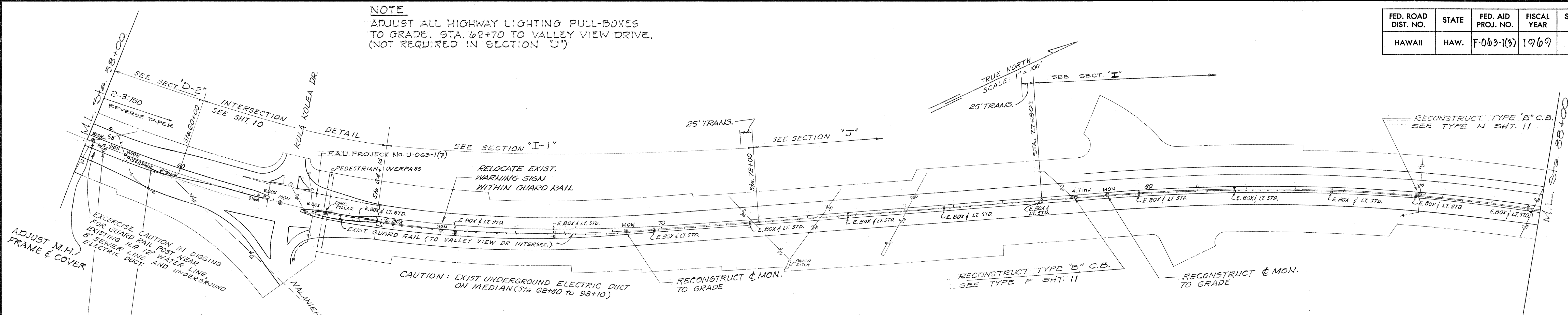
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT
STA. 0+00 TO STA. 58+00
INSTALLATION OF MEDIAN
GUARD RAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(3)
Scale: as shown May, 1969

SHEET No. 1 OF 4 SHEETS

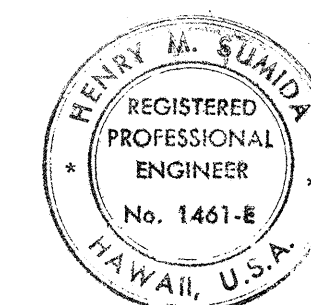
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SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(3)	1969	5	22



NOTES FOR RECONSTRUCTING GUARD RAILS

1. It is intended that the Contractor shall make use of all posts, rails, spacer blocks and fittings salvaged from the existing guard rail that have not deteriorated, in the Engineers opinion to an extent precluding their use in the reconstructed guard rail.
2. Remove and re-install existing metal guard rail with new rub rail from Kula Koea Drive to Valley View Drive and from Sta. 7+00 to Sta. 64+26.5 Kaneohe Section. Sta. 119+40 to Sta. 122+30, remove and re-install existing metal guard rail and rub rail.
3. If existing posts are found to be damaged or deformed upon removal, the State will furnish replacement posts to be installed by the Contractor. However, any salvable materials damaged through the Contractor's negligence, shall be replaced at his own expense.
4. The cost of constructing and installing the metal guard rail post on the existing conc. box culvert at Sta. 59+00, Kaneohe Section, including all new materials required shall be considered as included in the payment for New Steel Post for Reconstructed Double Metal Guard Rail Item No. 81.14 and no additional compensation shall be made thereof.



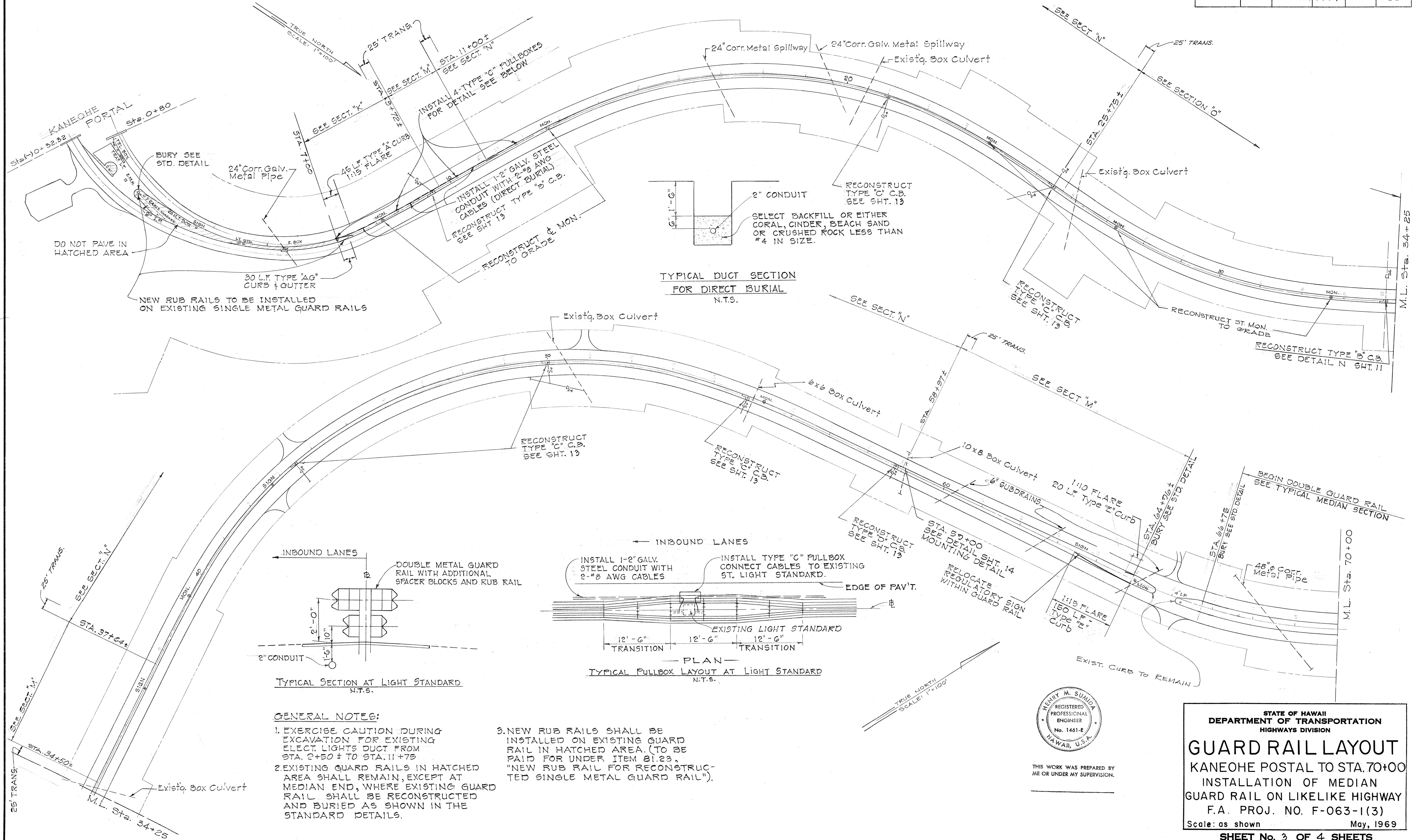
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT
STA. 58+00 TO STA. 91+85
INSTALLATION OF MEDIAN
GUARD RAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(3)
Scale: as shown May, 1969
SHEET No. 2 OF 4 SHEETS

SURVEY PLOTTED BY	DATE
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-063-1(3)	1967	6	22



TYPICAL DUCT SECTION
FOR DIRECT BURIAL
N.T.S.

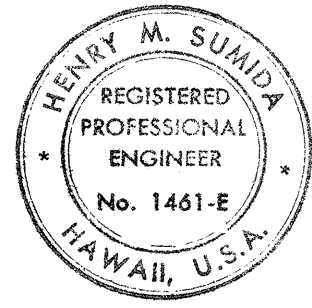
TYPICAL SECTION AT LIGHT STANDARD
N.T.S.

TYPICAL PULLBOX LAYOUT AT LIGHT STANDARD
N.T.S.

GENERAL NOTES:

1. EXERCISE CAUTION DURING EXCAVATION FOR EXISTING ELECT. LIGHTS DUCT FROM STA. 2+50 ± TO STA. 11+75.
2. EXISTING GUARD RAILS IN HATCHED AREA SHALL REMAIN, EXCEPT AT MEDIAN END, WHERE EXISTING GUARD RAIL SHALL BE RECONSTRUCTED AND BURIED AS SHOWN IN THE STANDARD DETAILS.

3. NEW RUB RAILS SHALL BE INSTALLED ON EXISTING GUARD RAIL IN HATCHED AREA. (TO BE PAID FOR UNDER ITEM 81.23, "NEW RUB RAIL FOR RECONSTRUCTED SINGLE METAL GUARD RAIL").



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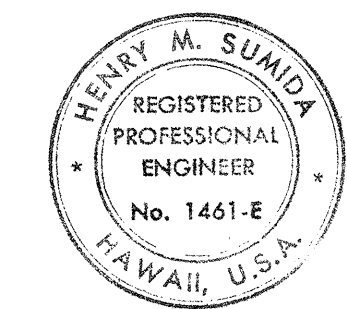
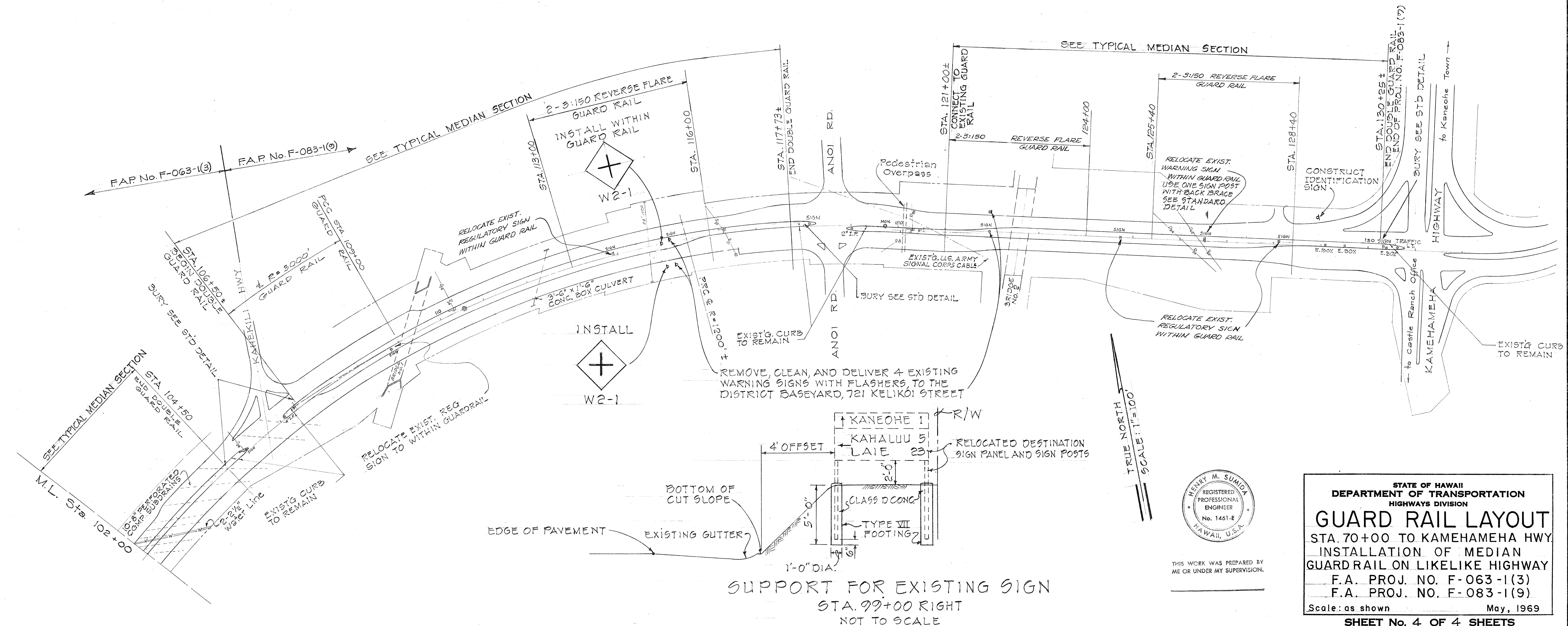
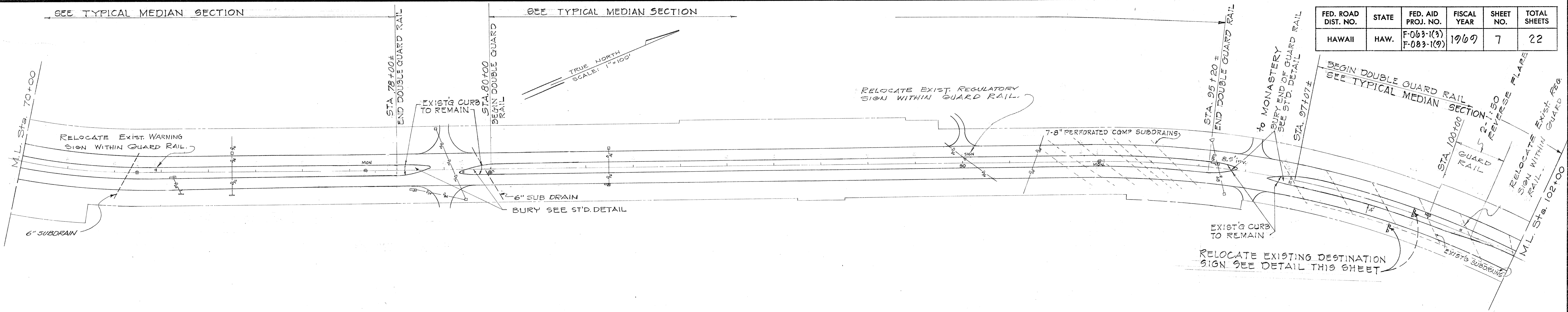
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT

KANEOHE POSTAL TO STA. 70+00
INSTALLATION OF MEDIAN
GUARD RAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(3)
Scale: as shown May, 1969

SHEET No. 3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(3) F-083-1(9)	1969	7	22



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT

STA. 70+00 TO KAMEHAMEHA HWY.
INSTALLATION OF MEDIAN
GUARDRAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(3)
F.A. PROJ. NO. F-083-1(9)

Scale: as shown May, 1969

SHEET No. 4 OF 4 SHEETS

Feb. 12, 1970