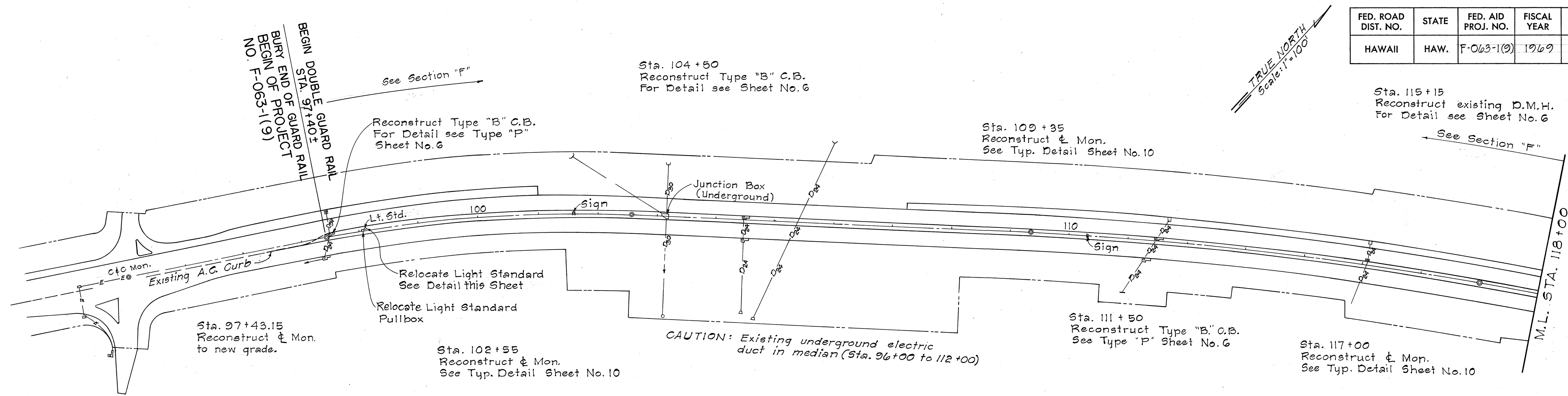
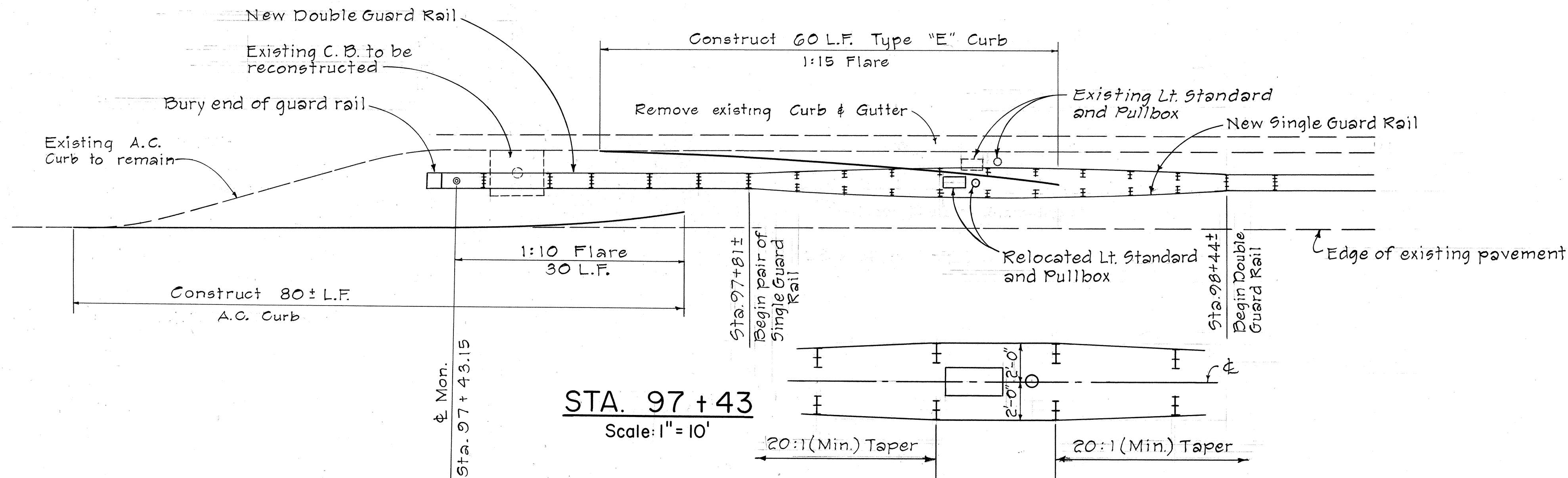


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(9)	1969	3	15



NOTES

1. Unless otherwise noted all median shall be paved with A.C. See typical section; Sheet No. 2.
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 & gutters shall be incidental to item 13.01, 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 items in the contract.
7. 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.
8. The Contractor shall verify locations of existing underground electrical ducts and cable before driving guard rail posts. Any damage to existing electrical underground facilities shall be repaired by the Contractor or utility owner at the Contractor expense.



DETAIL OF GUARD RAIL FLARE AT EXISTING LIGHT STANDARD AND PULLBOX

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

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 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.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

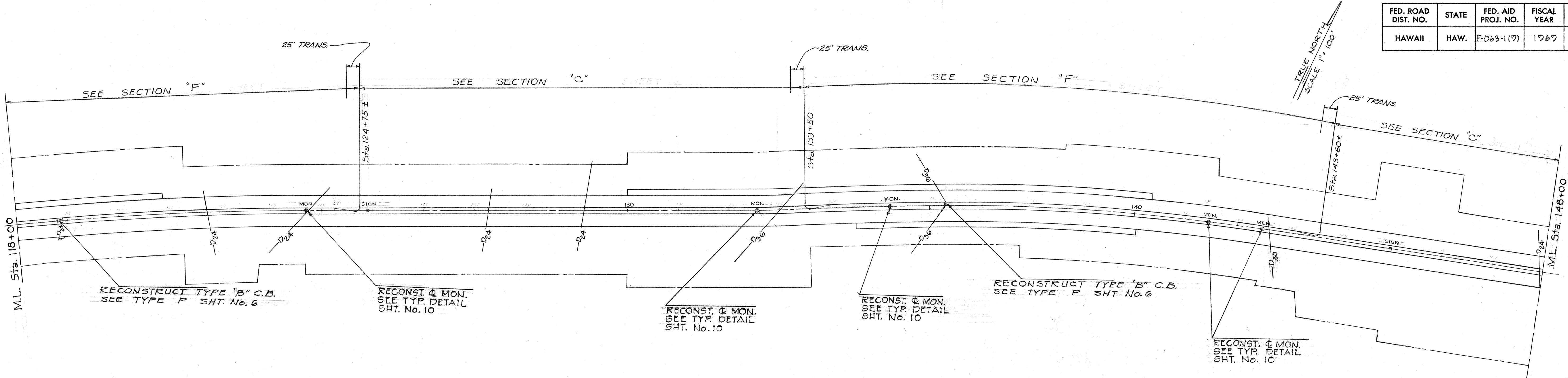
GUARD RAIL LAYOUT
STA. 97+40 TO STA. 118+00
INSTALLATIONS OF MEDIAN
GUARD RAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(9)

Scale: as shown Date: March 1969

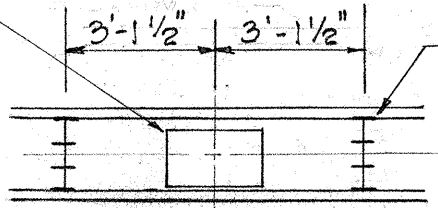
SHEET No. 1 OF 3 SHEETS

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

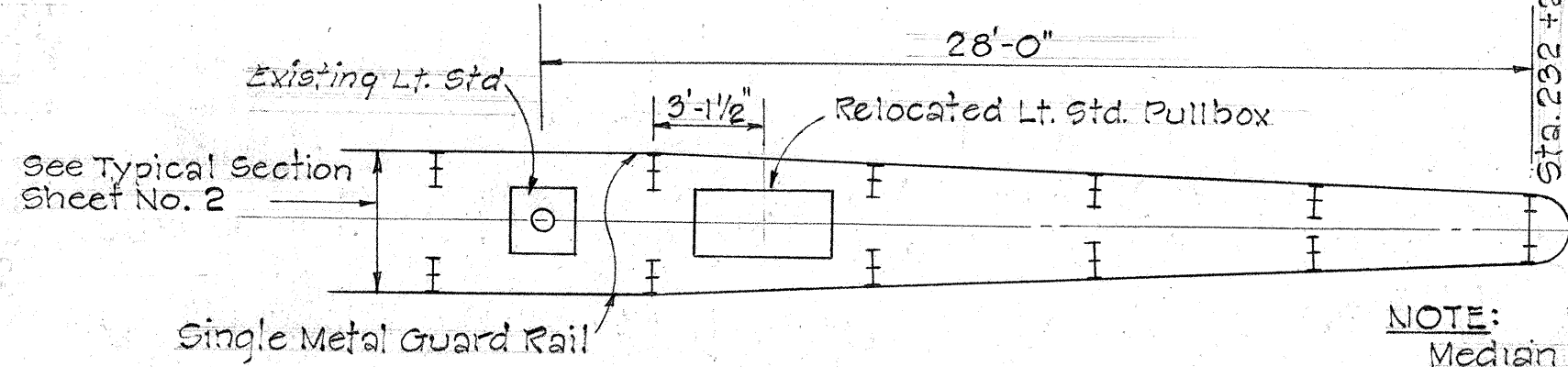
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-063-1(9)	1967	4	15



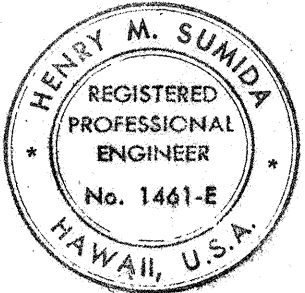
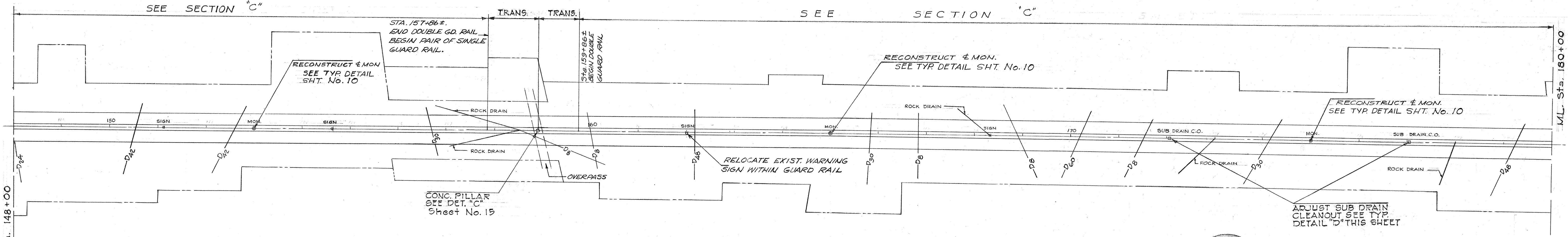
EXIST'G. SUB DRAIN C.O. ADJUST TO 2" TO NEW FINISH GRADE.



DETAIL "D"
SUB DRAIN CLEANOUT
Scale: 1/4"=1'



DETAIL OF GUARD RAIL AT MEDIAN END
Scale: 1"=5'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

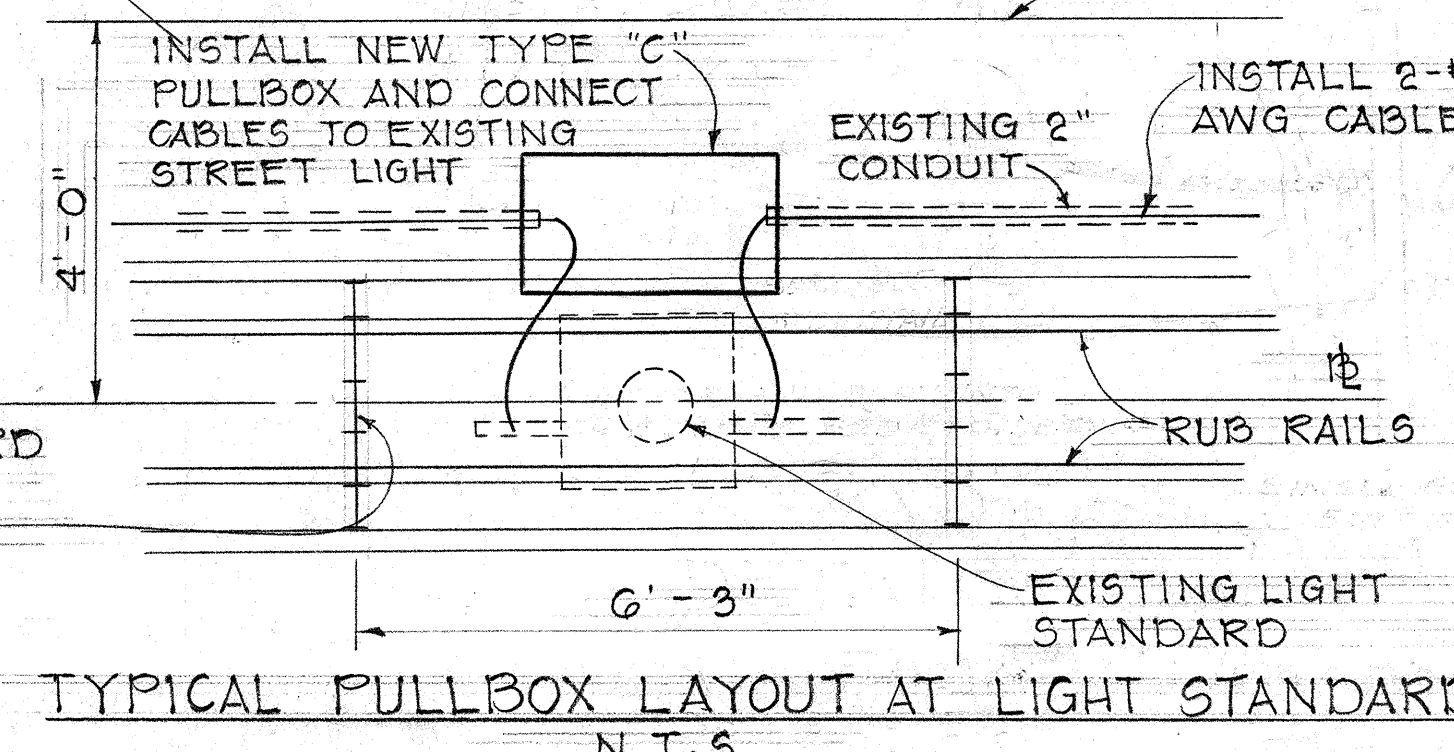
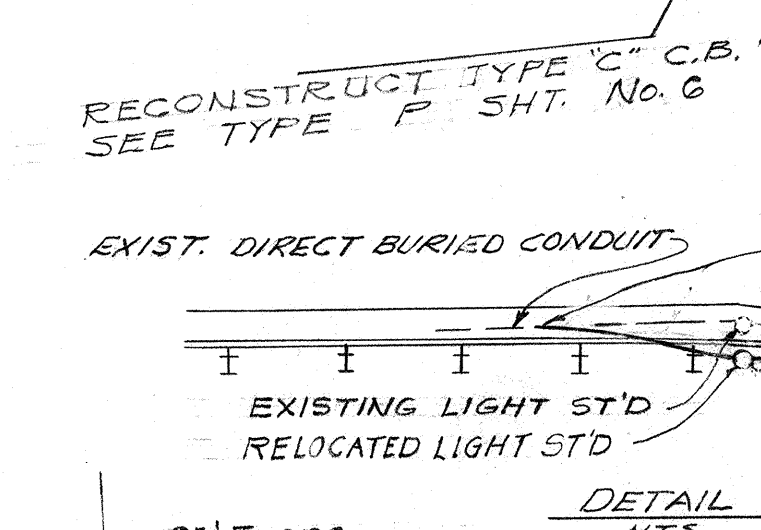
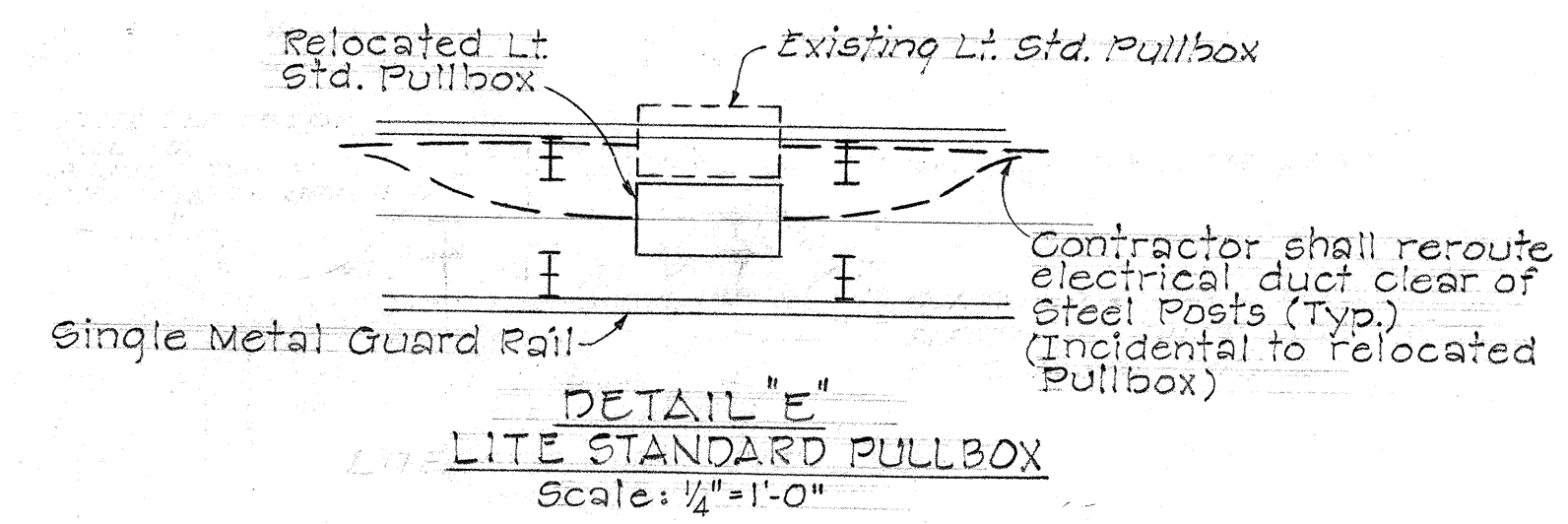
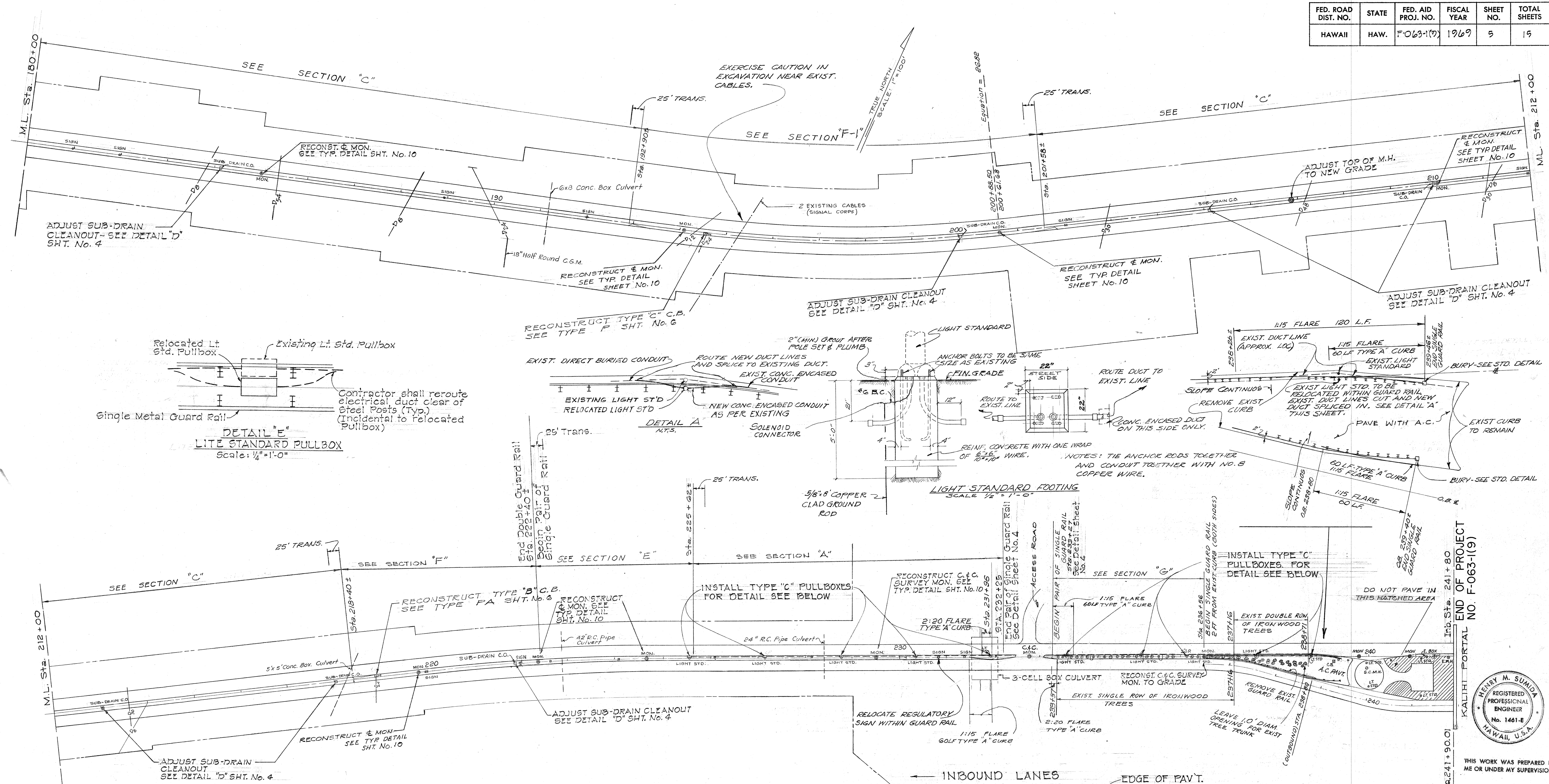
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT
STA. 118+00 TO STA. 180+00
INSTALLATIONS OF MEDIAN
GUARD RAIL ON LIKELIKE HIGHWAY
F.A. PROJ. NO. F-063-1(9)

Scale: as shown Date: March 1969
SHEET No. 2 OF 3 SHEETS

SURVEY PLATTED BY	DATE
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-063-1(9)	1969	5	15



- GENERAL NOTES**
1. CONTRACTOR SHOULD EXERCISE CAUTION IN EXCAVATION. EXISTING ELECTRICAL DUCTS & WIRINGS LOCATED BETWEEN STA. 221+00# & ENTRANCE OF TUNNEL.
 2. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE STREET LIGHTING SECTION, TRAFFIC DEPT. CITY AND COUNTY OF HONOLULU, 72 HOURS IN ADVANCE BEFORE CONSTRUCTING LIGHT STANDARD FOOTING. PHONE 5473-351.

APPROVED: *W. G. McLean* 9/24/68
 TRAFFIC ENGINEER
 DEPT. OF TRAFFIC
 CITY & COUNTY OF HONOLULU

KALIHI PORTAL NO. F-063-1(9)
 END OF PROJECT
 Sta. 241+80
 Out Sta. 241+90.01
 HENRY M. SUMIDA
 REGISTERED PROFESSIONAL ENGINEER
 No. 1461-E
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

MARCH, 1969
 STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
GUARD RAIL LAYOUT
 STA. 180+00 TO KALIHI PORTAL
 INSTALLATIONS OF MEDIAN
 GUARD RAIL ON LIKELIKE HIGHWAY
 F.A. PROJ. NO. F-063-1(9)
 Scale: as shown Date: March 1969
SHEET No. 3 OF 3 SHEETS

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