

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

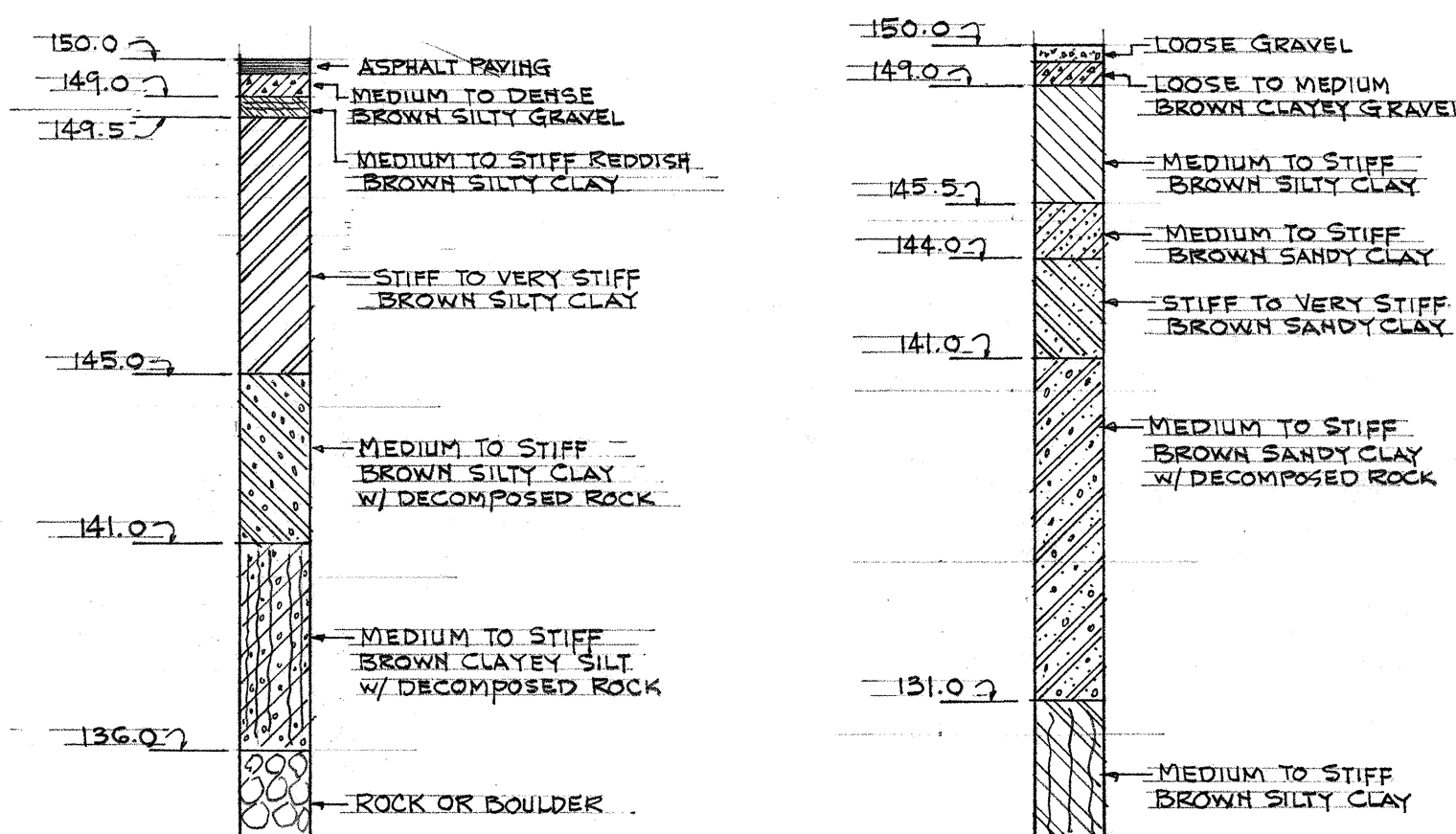
GENERAL NOTES:

MATERIALS:

- 1) CONCRETE CLASSES REQUIRED SHALL BE AS FOLLOWS:
 - A) CLASS A-1: TOPPING FOR SUPERSTRUCTURE SLAB & APPROACH RAMP SLABS, FOOTING & WALLS @ APPROACH RAMP, AND PRE-CAST PLANKS, EXCLUDING PRESTRESSED PLANKS.
 - B) CLASS E-1: COLUMN FOOTINGS, COLUMNS, LANDING, TOPPING FOR RAMP, AND ALL OTHER MEMBERS NOT LISTED UNDER CLASS A-1 OR PRESTRESSED CONCRETE.
 - C) CLASS B-1: OTHER THAN IN BRIDGE (IN CONCRETE JACKET FOR EXISTING 20" WATER LINE)
 - D) PRESTRESSED CONCRETE: SEE SPECIAL PROVISIONS.
- 2) NEOPRENE PAD: TO BE INCIDENTAL TO PRESTRESSED GIRDERS AND WILL NOT BE PAID FOR SEPARATELY.
- 3) WELDED WIRE FABRIC: C x G % W.W.F. TO BE INCIDENTAL TO CONCRETE TOPPING & WILL NOT BE PAID FOR SEPARATELY.

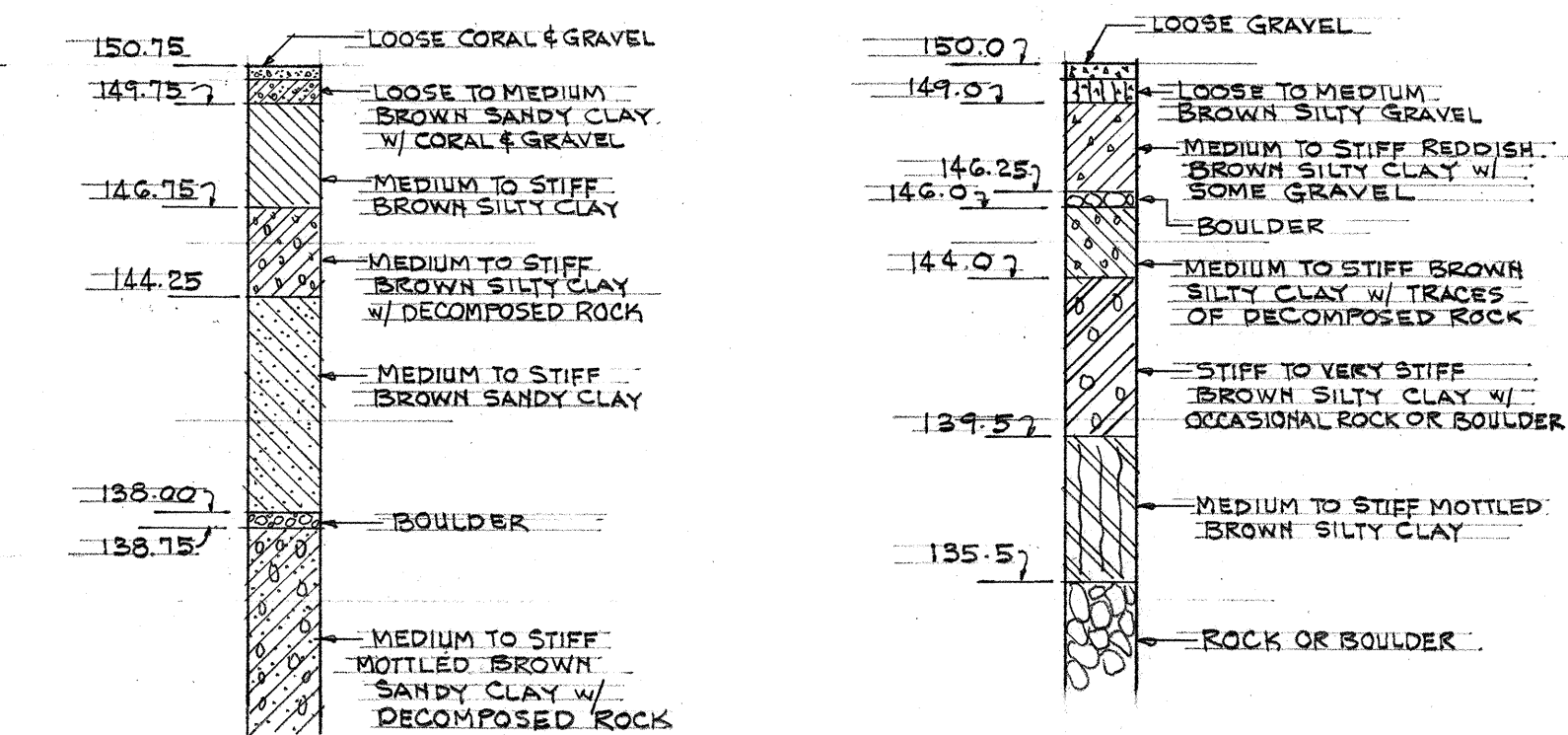
CONSTRUCTION METHOD:

- 1) AT THE TIME OF THE EXCAVATION AND PRIOR TO POURING CONCRETE, THE BOTTOM OF FOOTINGS TO BE COMPACTED TO A DENSITY EQUAL TO OR GREATER THAN 90% AASHTO T-150 DENSITY.
- 2) ALL RAMP LANDINGS & CAST IN PLACE SUPERSTRUCTURE SLABS TO BE POURED MONOLITHIC WITH BEAMS.
- 3) PRESTRESSED GIRDERS MAY BE FABRICATED AT THE PROJECT SITE PROVIDED THAT THE CONTRACTOR CLEARS THE SHOULDER AREA AFTER EACH DAYS WORK.
- 4) ALL RAILINGS TO BE GALVANIZED AFTER FABRICATION. SEE SPECIFICATIONS AND SPECIAL PROVISIONS FOR GALVANIZING, REFINISHING OF DAMAGED GALVANIZING AND FINISHING OF WELDS.
- 5) CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND WORKING AROUND EXISTING 20" WATERLINE. ANY DAMAGE TO WATER LINE SHALL BE THE CONTRACTORS RESPONSIBILITY.
- 6) ALL WELDS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE "SPECIFICATION FOR WELDED HIGHWAY AND RAILWAY BRIDGES OF THE AMERICAN WELDING SOCIETY."
- 7) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRESTRESSED GIRDERS, PRE-CAST PLANKS, PRESTRESSED PLANKS, AND RAILINGS FOR APPROVAL BY THE ENGINEER BEFORE FABRICATION.
- 8) EXISTING A.C. WALK ON OLOMANA SIDE OF HIGHWAY SHALL BE REFINISHED TO ORIGINAL CONDITION PRIOR TO COMPLETION OF THE PROJECT.
- 9) TOP SURFACES OF DECK, RAMPS AND APPROACH RAMPS SHALL HAVE A ROUGH WEARING SURFACE PRODUCED BY SPRINKLING 1/4" OF #16 ABRASIVE AGGREGATE ON FRESH CONCRETE AND FINISHING WITH A WOOD TROWEL. THIS ITEM TO BE INCIDENTAL TO CLASS A-1 CONCRETE AND WILL NOT BE PAID FOR SEPARATELY.



BORING No. 1

BORING No. 2



BORING No. 3

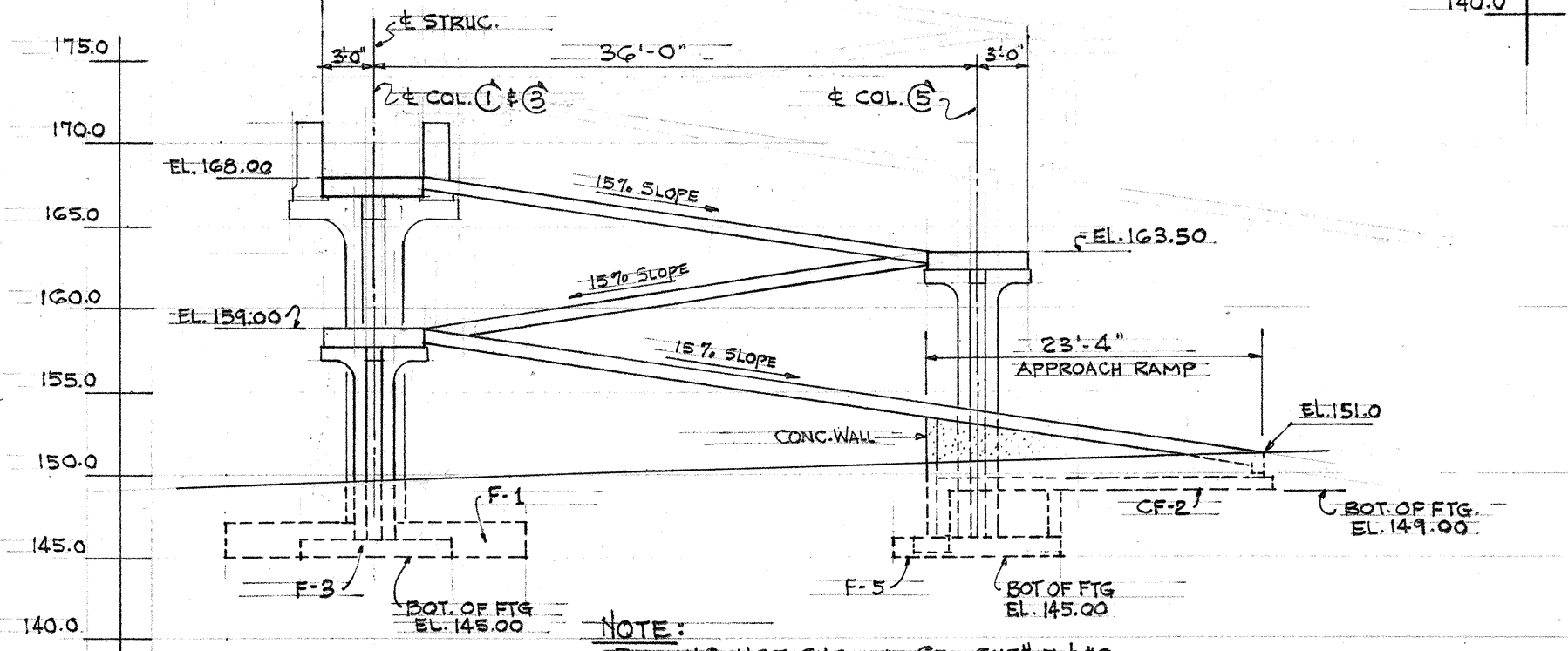
BORING No. 4

BORING LOGS N.T.S.

ESTIMATED QUANTITIES

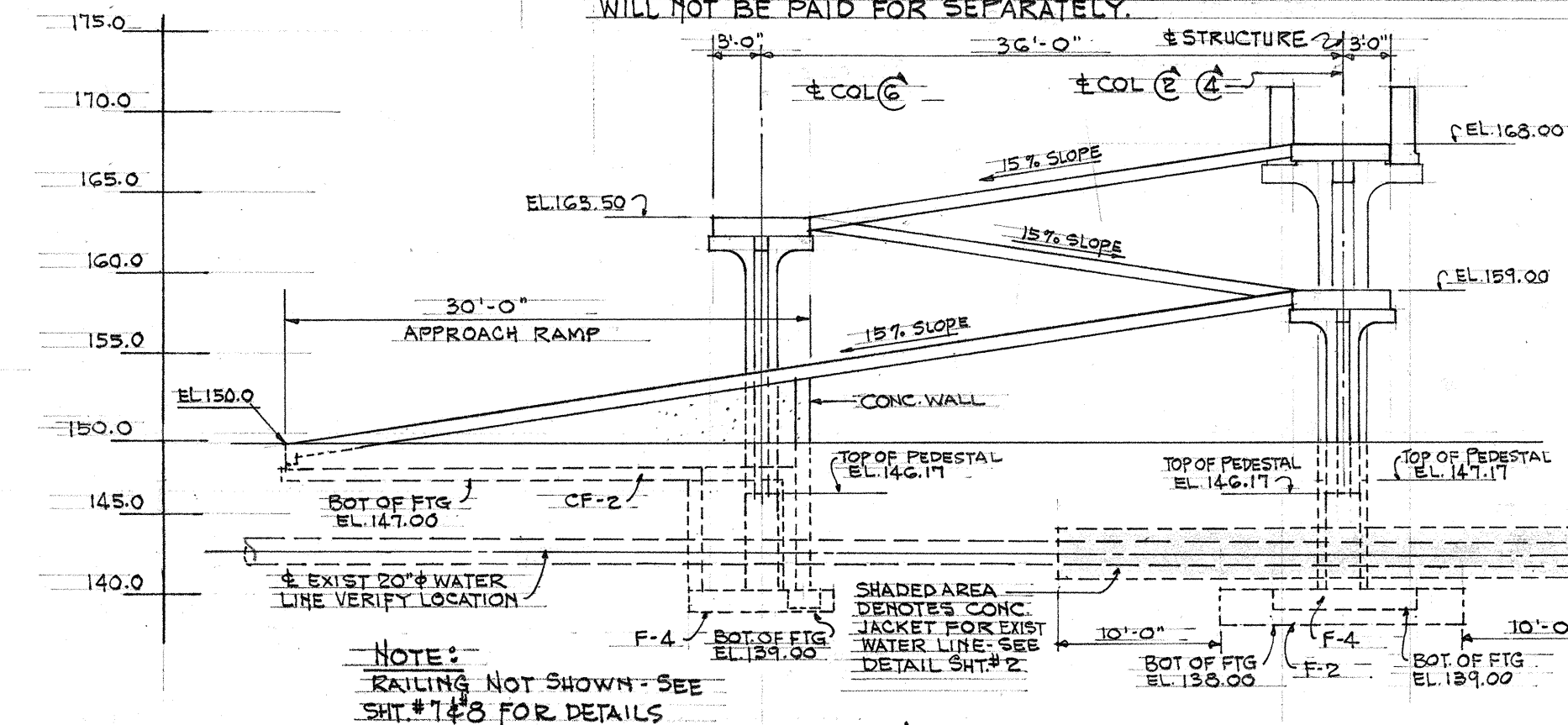
STRUCTURAL EXCAVATION (OTHER THAN AT BRIDGE)	32.0 CU.YD.
STRUCTURAL EXCAVATION	224.0 CU.YD.
CONCRETE	LUMP SUM
CLASS B-1 CONCRETE (OTHER THAN AT BRIDGE)	7.00 CU.YD.
PRESTRESSED GIRDER	LUMP SUM
PRESTRESSED PLANKS	1,129.0 SQ.FT.
3" PRE-CAST PLANKS	456.0 SQ.FT.
4" PRE-CAST PLANKS	248.0 SQ.FT.
REINFORCING STEEL (OTHER THAN AT BRIDGE)	720.0 LBS.
REINFORCING STEEL	LUMP SUM
TYPE 'A' RAILING	210.0 UN.FT.
TYPE 'B' RAILING	606.0 UN.FT.
METAL GUARD RAIL	160.0 LIN.FT.

NOTE: ALL QUANTITIES DENOTED OTHER THAN BRIDGE REFERS TO CONC. JACKET AT EXISTING WATER LINE



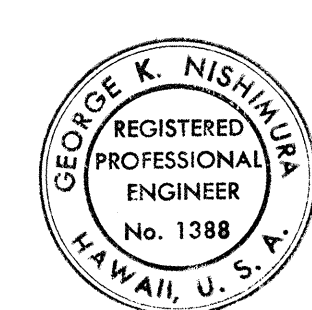
RAMP No. 1 PROFILE

SCALE 1"=10'-0"



RAMP No. 2 PROFILE

SCALE 1"=10'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George K. Nishimura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PEDESTRIAN OVERPASS

OVER KALANIANA'OLE HIGHWAY

AT ULUPU STREET

KAILUA, OAHU

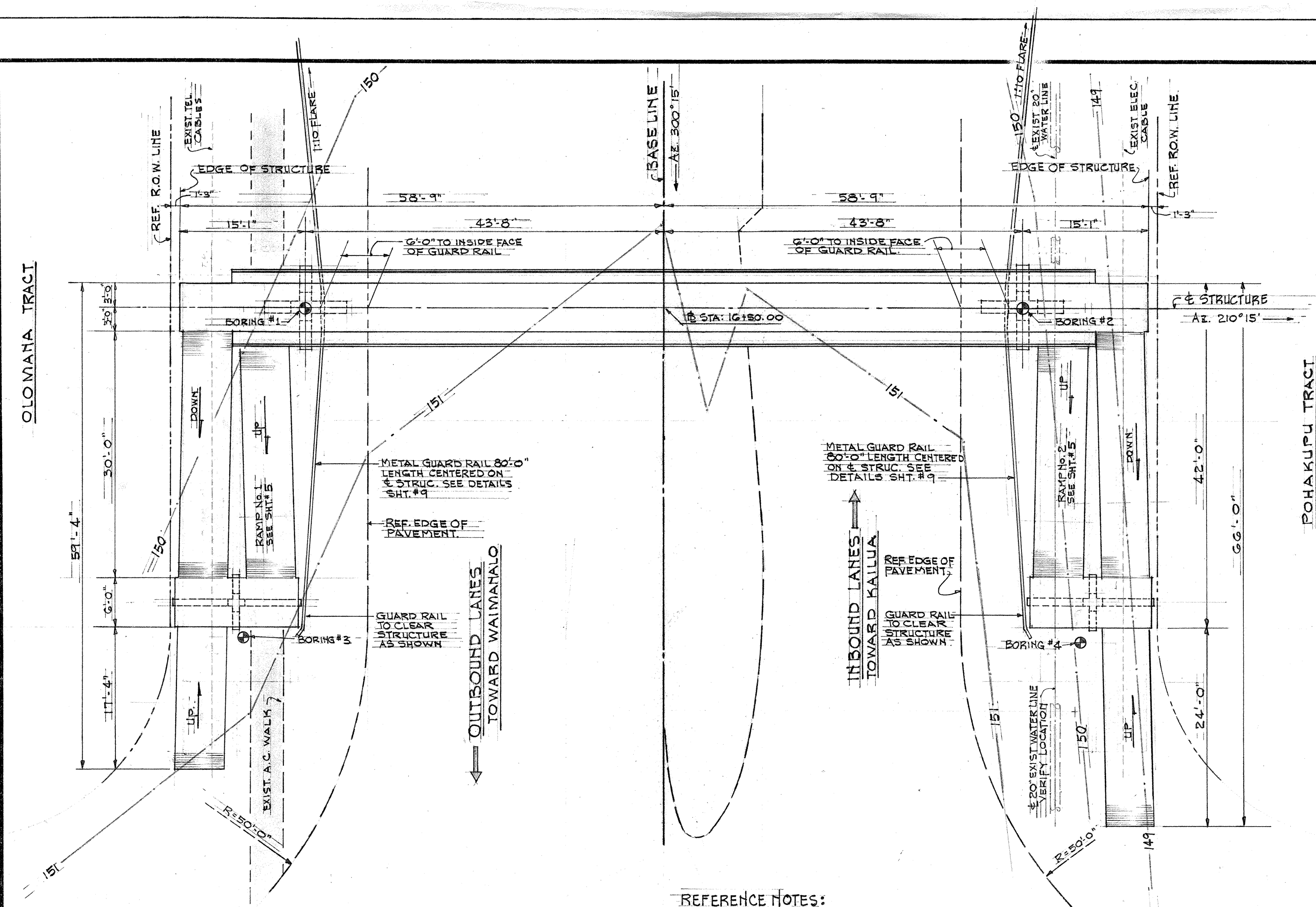
PROJECT No. 72A-01-G7

FEBRUARY, 1967

SHEET No. 1 OF 10 SHEETS

OLOMANA TRACT

POHAKUPU TRACT

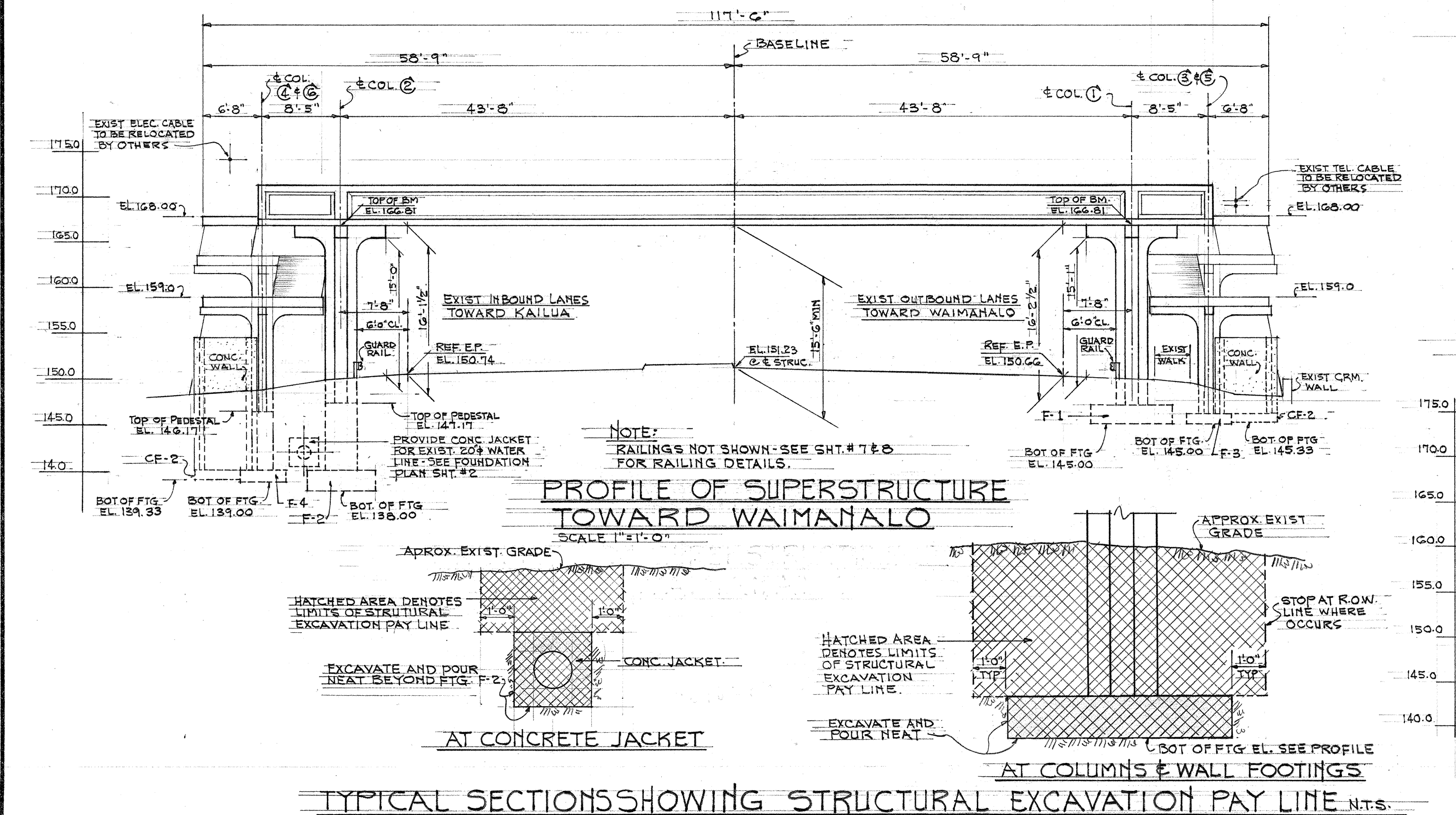


LAYOUT PLAN

SCALE 1"=10'-0"

REFERENCE NOTES:

- 1) FOR FOUNDATION DETAILS - SEE SHT. #2 & 3
- 2) FOR SUPERSTRUCTURE DETAILS - SEE SHT. #4
- 3) RAMP DETAILS - SEE SHT. #2 & 5
- 4) PRESTRESSED GIRDERS & PLANKS AND PRE-CAST PLANKS SEE SHT. #6



PROFILE OF SUPERSTRUCTURE TOWARD WAIMANALO

SCALE 1"=10'-0"

HATCHED AREA DENOTES LIMITS OF STRUCTURAL EXCAVATION PAY LINE

EXCAVATE AND POUR NEAT BEYOND FTG. F-2

AT CONCRETE JACKET

HATCHED AREA DENOTES LIMITS OF STRUCTURAL EXCAVATION PAY LINE

EXCAVATE AND POUR NEAT

AT COLUMNS & WALL FOOTINGS

TYPICAL SECTIONS SHOWING STRUCTURAL EXCAVATION PAY LINE N.T.S.

SURVEY PLOTTED BY	DATE
DRAWN BY	REV. 66
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	
No.	