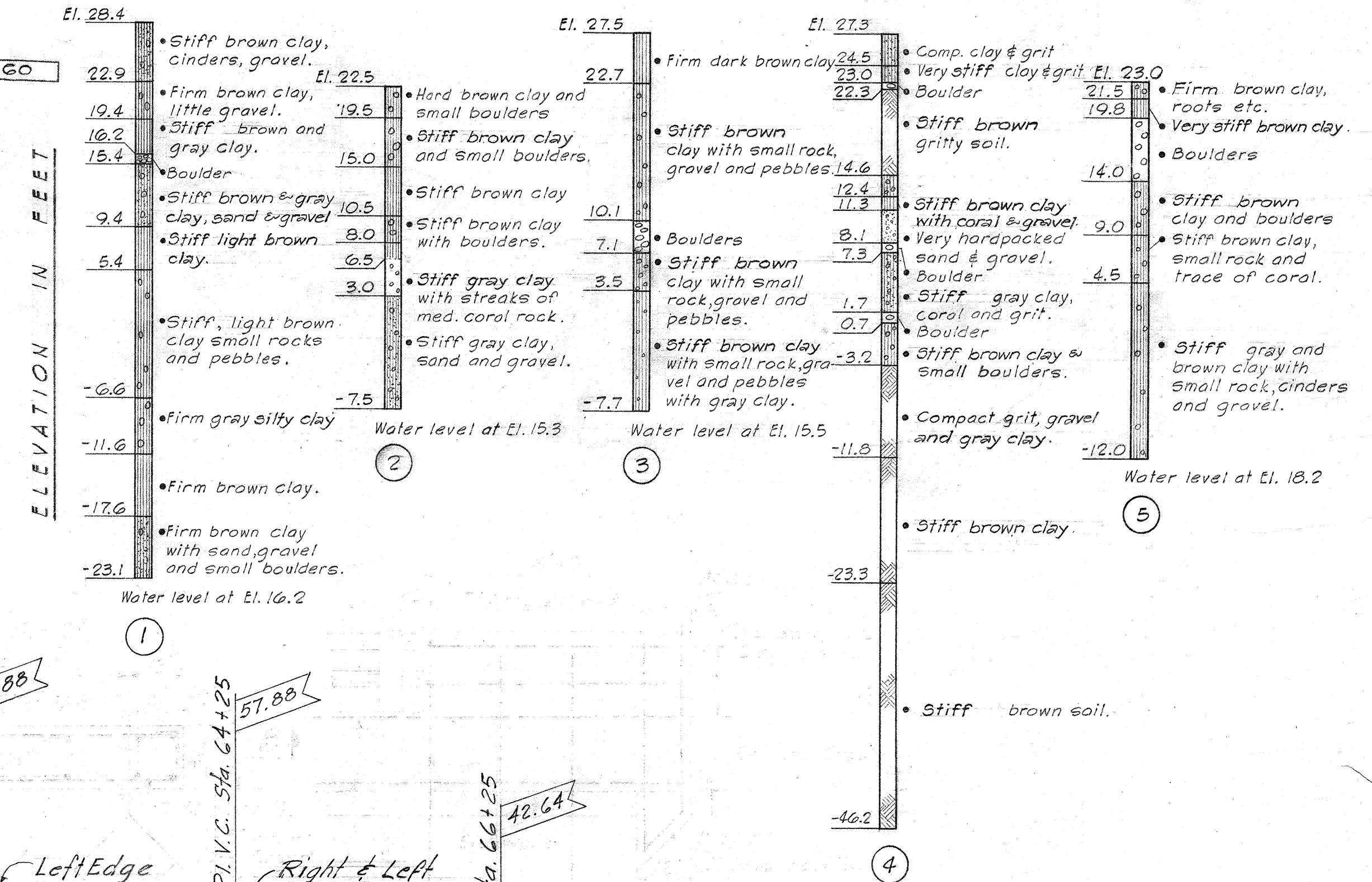


NOTE:

The boring data shown on this plan is for design purposes only, and is for the convenience of the Engineer in the control of earthwork. The borings were carefully taken and are believed to be reliable, however, the Department assumes no responsibility whatsoever in respect to the sufficiency or accuracy of borings, or of the interpretation thereof, and will not either impliedly or expressly make any guarantee of any of the same.

BORING LOGS

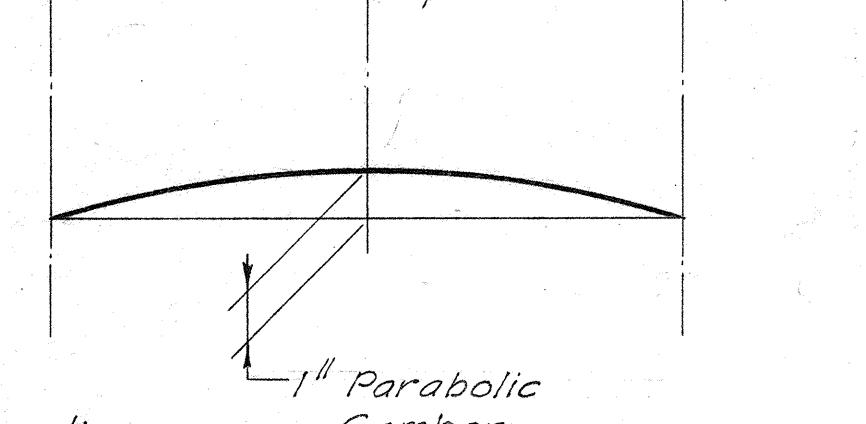
1" = 10'-0"



PROFILE

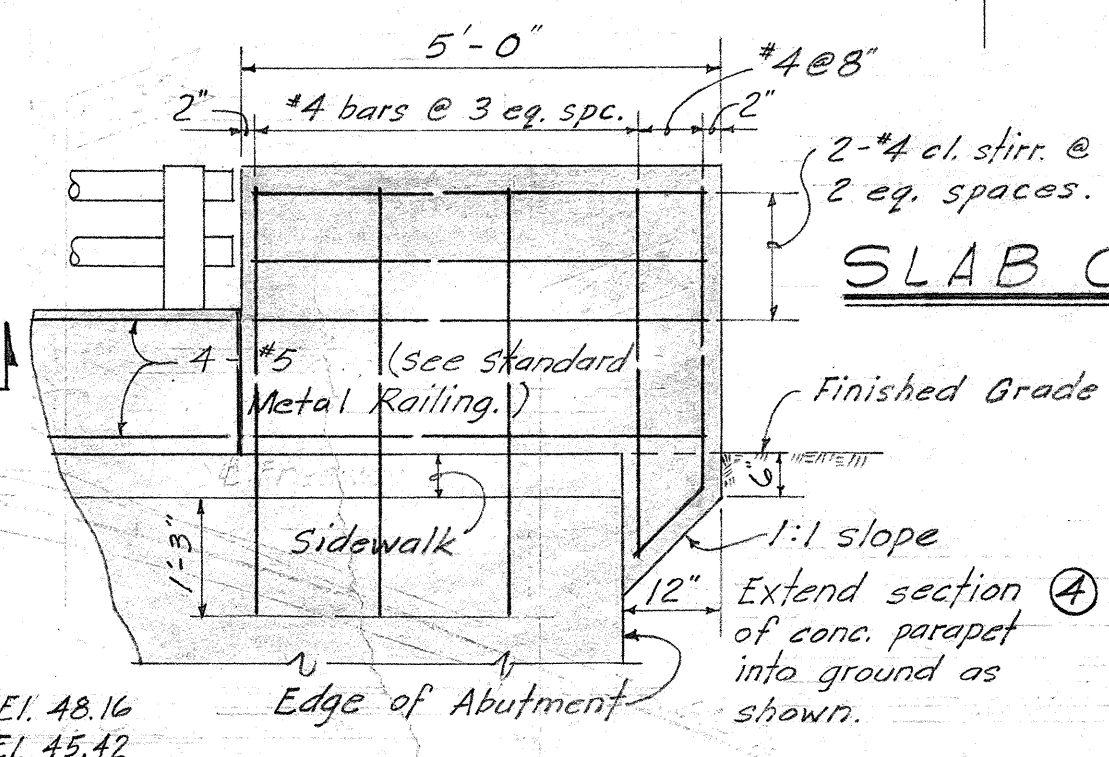
No Scale

Abut. 1 Span Abut. 2



SLAB CAMBER DIAGRAM

No Scale



PLAN

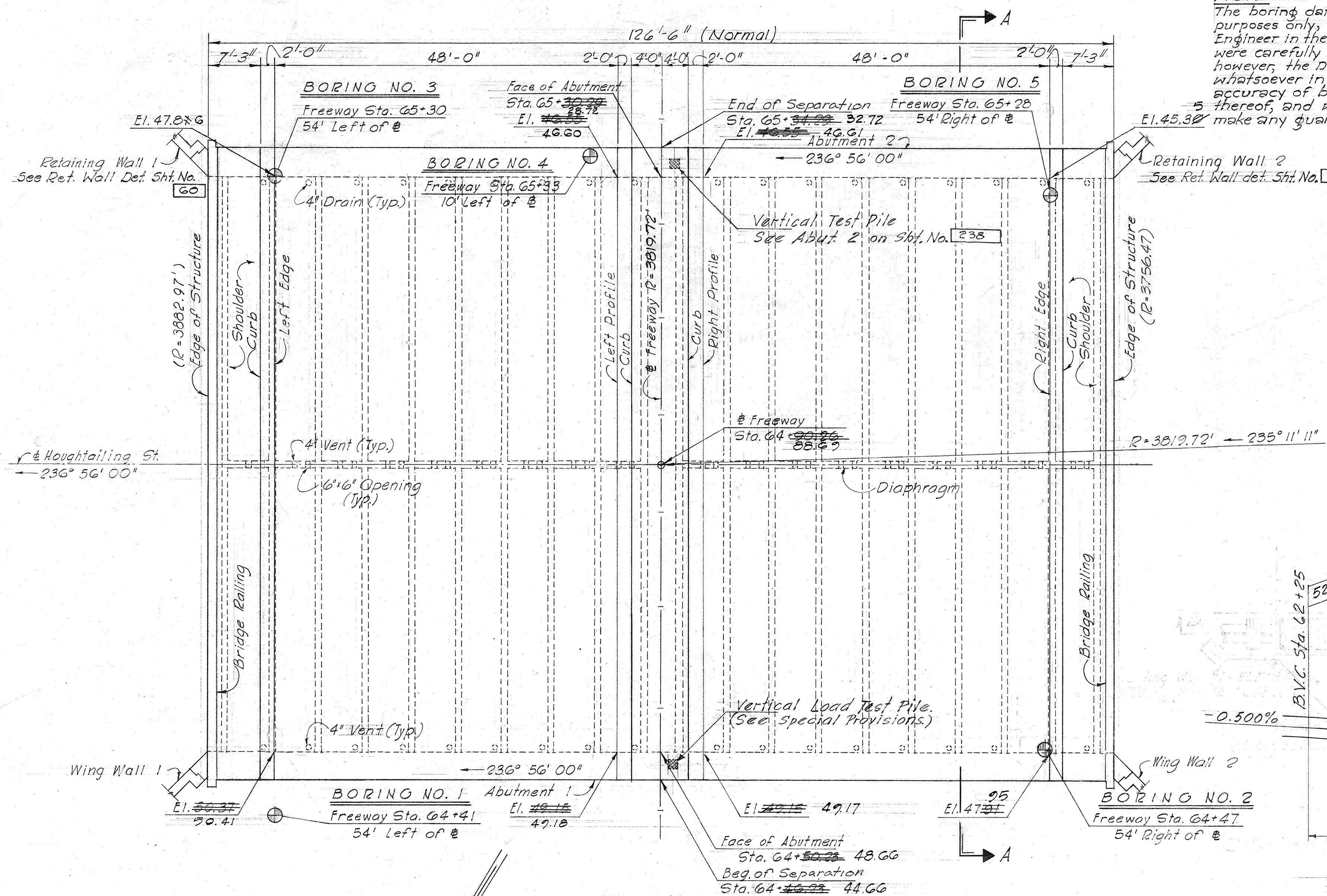
SECTION "B-B"

TYPICAL END POST DETAIL

SCALE: 1/8" = 1'-0"

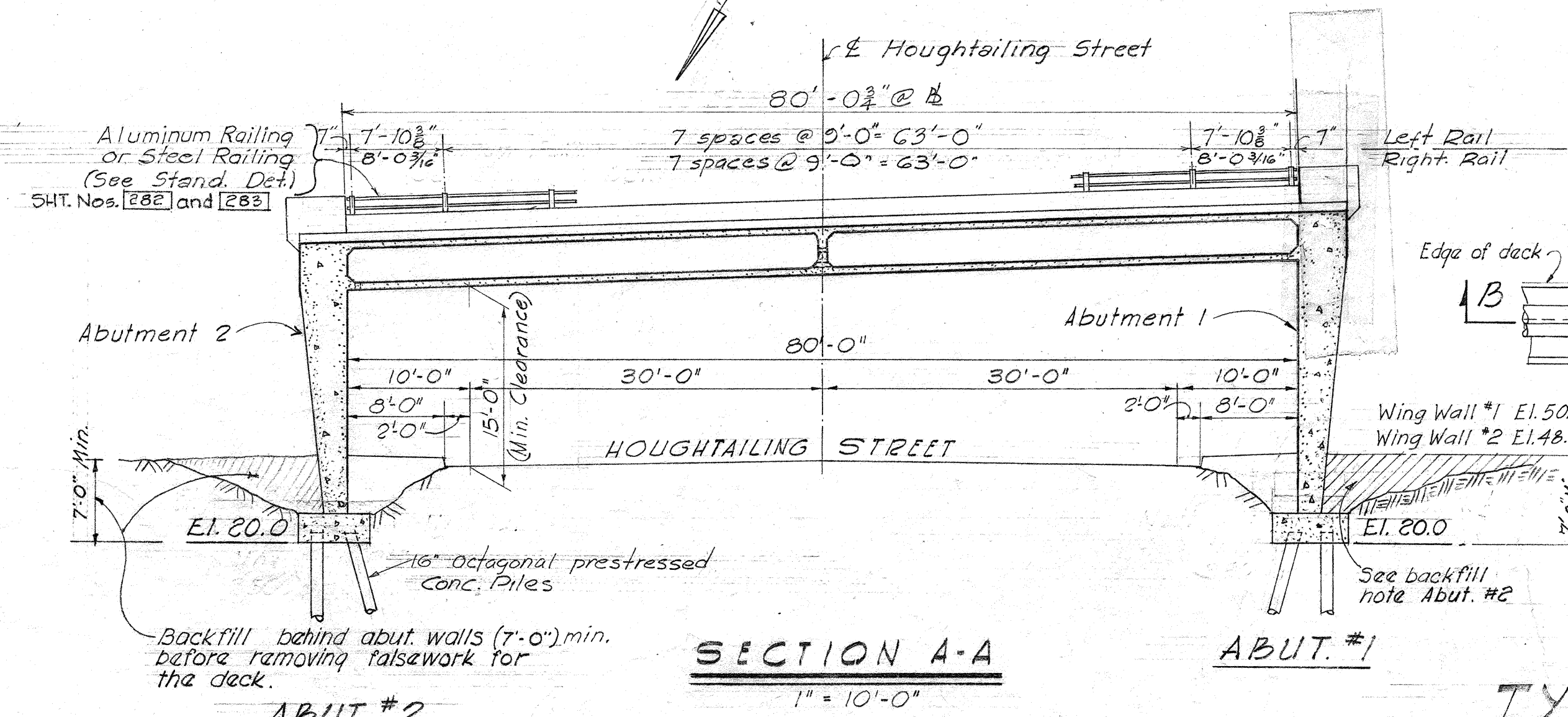
PLAN

1" = 10'-0"



SECTION A-A

1" = 10'-0"



ITEM	QUANTITY
Class A-1 Concrete	Lump Sum (1824 cu. yd.)
Reinforcing Steel	Lump Sum (35,592 #)
Structural Excav.	717 Cu. Yds.
Filter Material	220 Cu. Yds.
A.C. Paving Mix II	82 Tons
Tack Coat	235 Gals.
Aluminum Railing or Steel Railing	160 Lin. Ft.
Prestressed Conc. Piles	11,864 Lin. Ft.
Parapet & End Post	180 Lin. Ft.

REFERENCE DRAWINGS

Detail Roadway Plan
Typical Box Girder Details
Standard Details
Typical Details and General Structural Notes
Retaining Wall Details
Typical Rigid Frame Details

STRUCTURE NO. 1

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STATE OF HAWAII

HOUGHTAILING SEPARATION PLAN

PLAN

LUNALILO FREEWAY

U-072-1(3)

SHEET NO. 1 OF 5 SHEETS

MOFFATT, NICHOL & TAYLOR
Associated with
BELT, COLLINS & ASSOC., LTD.
Civil and Structural Engineers



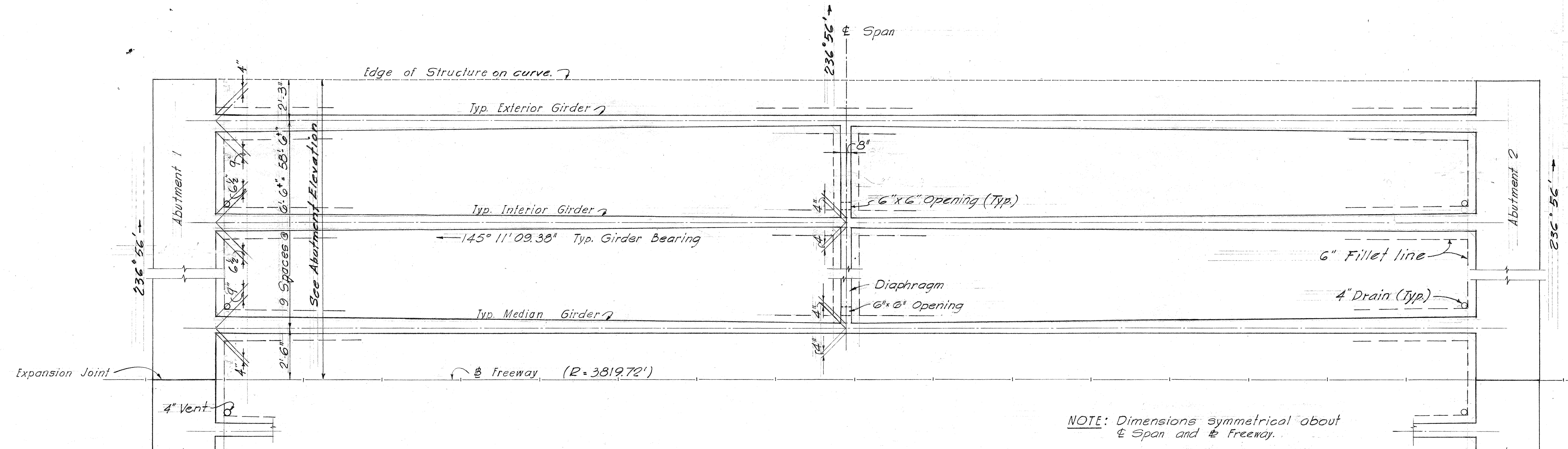
DATE: 11/1/63
DESIGNED BY: GUY H. TAYLOR
DRAWN BY: GUY H. TAYLOR
CHECKED BY: GUY H. TAYLOR
ORIGINAL PLAN
NOTE BOOK
NO.

U07210300:205

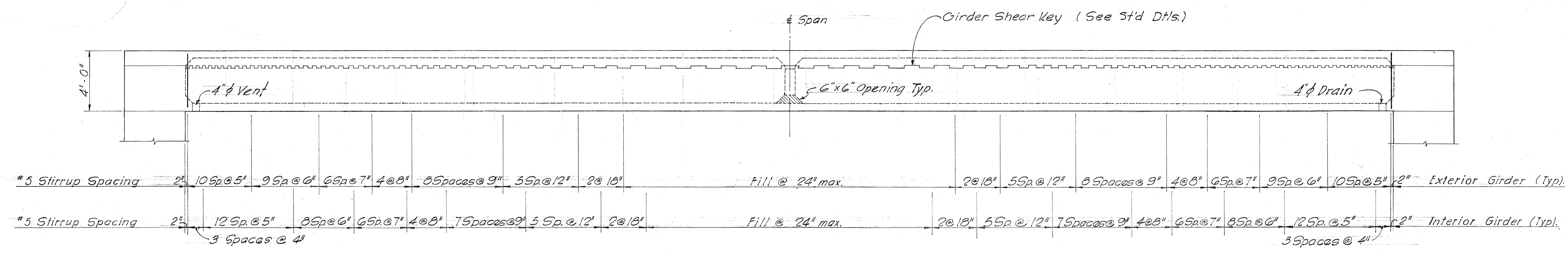
237



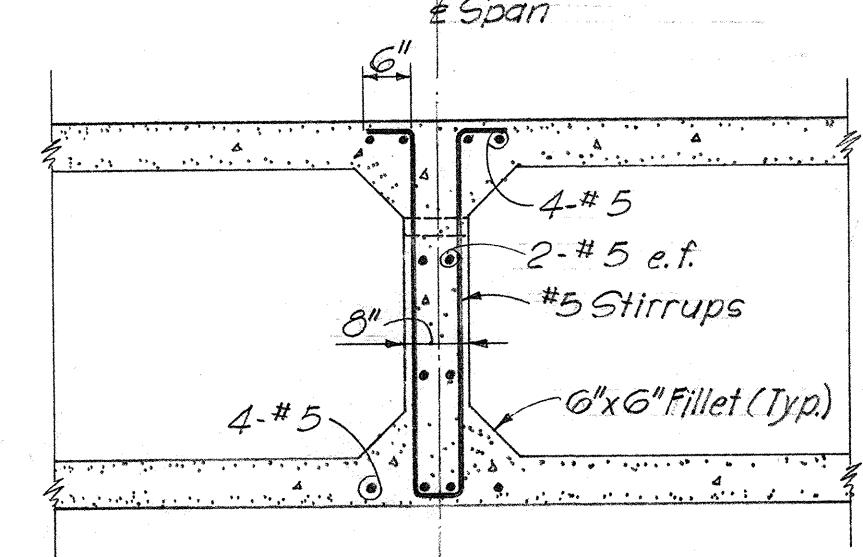
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	U-072-1(3)	1963	208	240



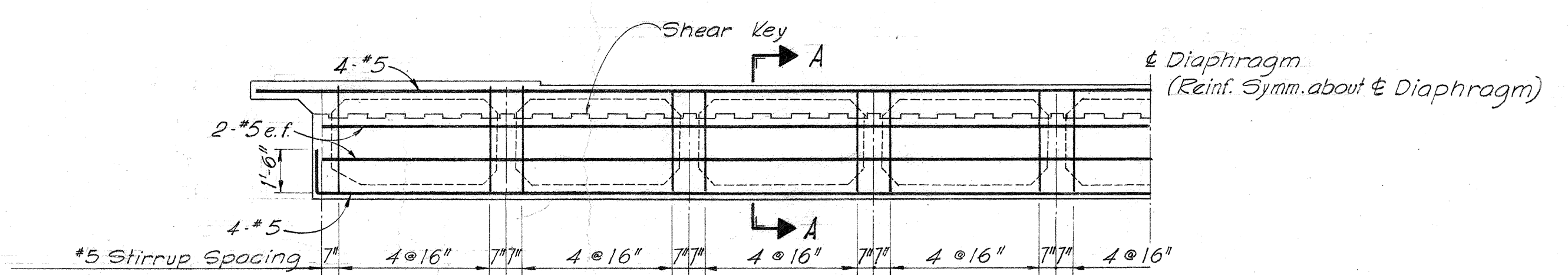
TYPICAL FRAMING PLAN
 $\frac{1}{4}'' = 1' - 0''$



TYPICAL GIRDER STIRRUP SPACING
 $\frac{1}{4}'' = 1' - 0''$



SECTION A - A
 $\frac{1}{2}'' = 1' - 0''$



TYPICAL DIAPHRAGM REINFORCING
 $\frac{1}{4}'' = 1' - 0''$



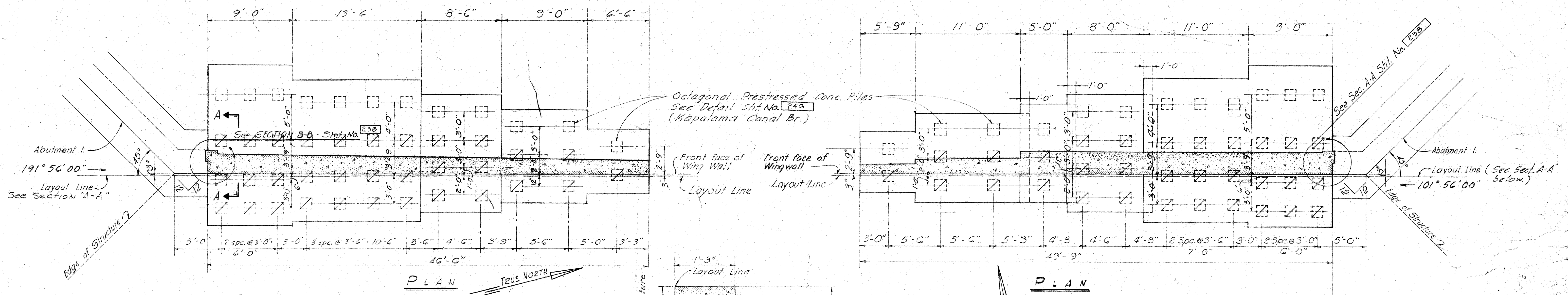
MOFFATT, NICHOL & TAYLOR
 Associated with
 BELT, COLLINS & ASSOC., LTD.
 Civil and Structural Engineers

STRUCTURE No. 1
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STATE OF HAWAII

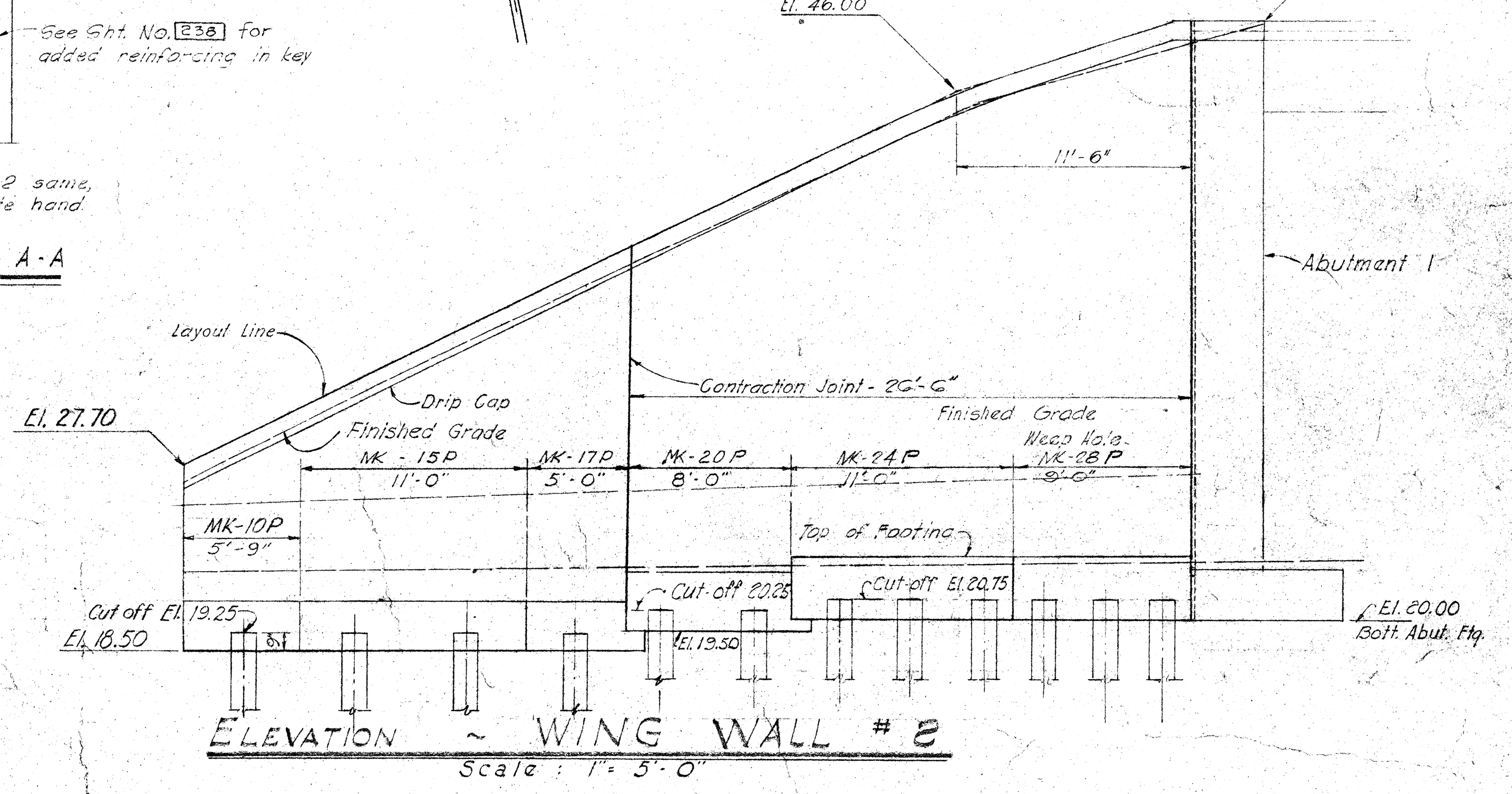
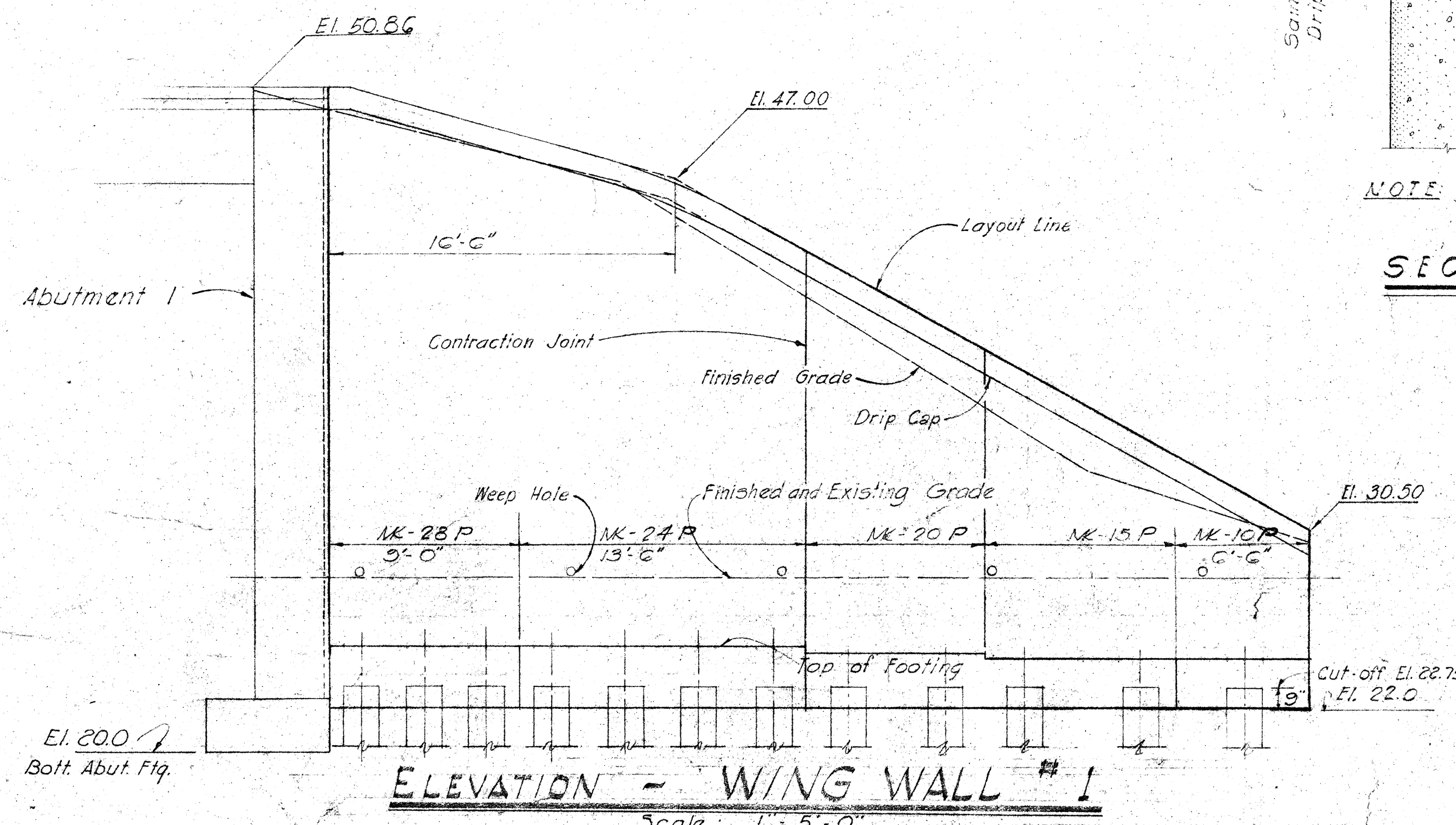
HOUGHTAILING SEPARATION
FRAMING DETAILS

LUNALILO FREEWAY U-072-1(3)

DATE: JUL 29
 SURVEY PLOTTED BY: C. J. LINDA
 DESIGNED BY: S. C. LINDA
 DRAWN BY: S. C. LINDA
 CHECKED BY: J. LINDA
 NOTE BOOK
 No.



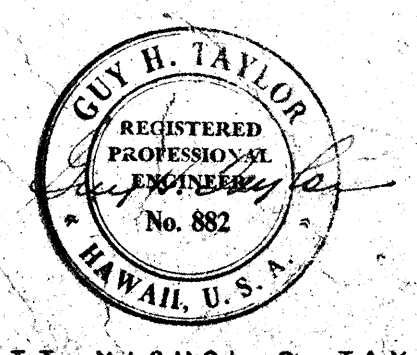
NOTE: Wing Wall 2 same, but opposite hand.
SECTION A-A



PILE SCHEDULE

	ABUT. #1		ABUT. #2		WING WALL #1		WING WALL #2					
	batter 3:12	batter 3:12	batter 3:12	batter 3:12	batter 4:12	batter 4:12	batter 4:12	batter 4:12	batter 4:12	batter 4:12	batter 4:12	batter 4:12
Pile Cut-off El.	20.75	20.75	20.75	20.75	22.75	22.75	19.25	19.25	20.25	20.25	20.75	20.75
Pile tip El.	-26.75	-25.38	-26.75	-25.33	-24.75	-22.31	-24.25	-23.92	-23.25	-22.92	-24.75	-22.42
Pile length	50.00	50.00	50.00	50.00	50.00	48.00	48.00	48.00	48.00	48.00	48.00	48.00
No. of Piles	38	38	38	38	12	32	4	7	6	6	6	18
Total Pile Length (L.F.)	1,900	1,900	1,900	1,900	600	1,600	192	336	96	288	288	864

NOTE:
For Wall stem Reinf. See Typ. Ref.
Wall Det. Sht. No. 64
For Wall Ftg. Det. See Ref. Wall
Pile Ftg. Det. Sht. No. 68
All Piles shall be Prestressed Concrete Piles. - See Detail Sheet No. 246 (Kapalama Canal Bridge.)



MOFFATT, NICHOL & TAYLOR
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STRUCTURE No. 1
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STATE OF HAWAII
HOUGHTAILING SEPARATION
WING WALLS
LUNALILO FREEWAY U-072-1(3)