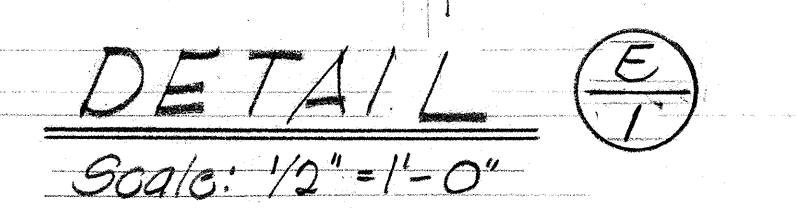
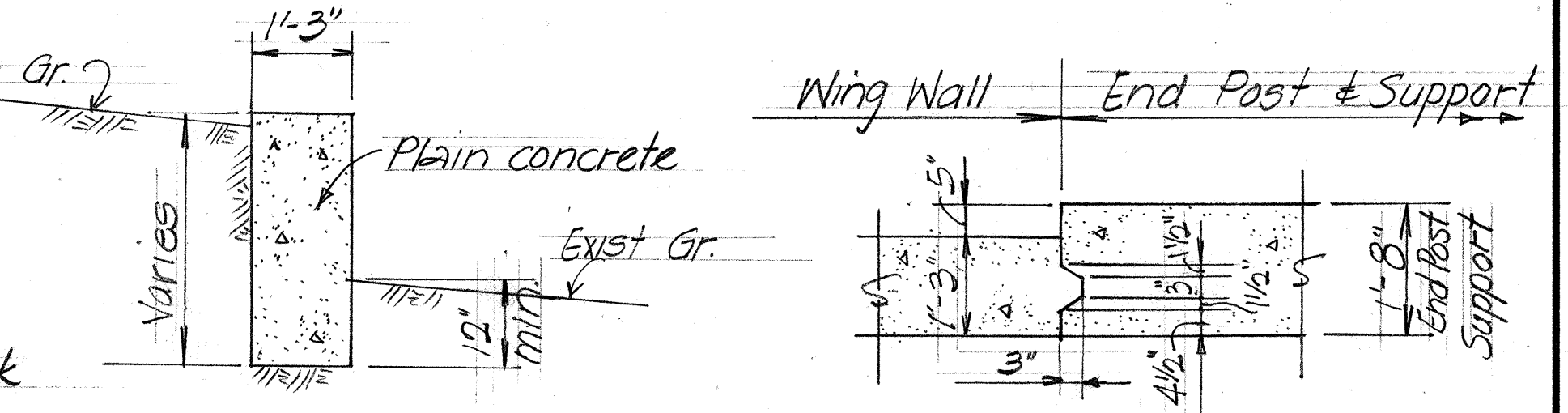
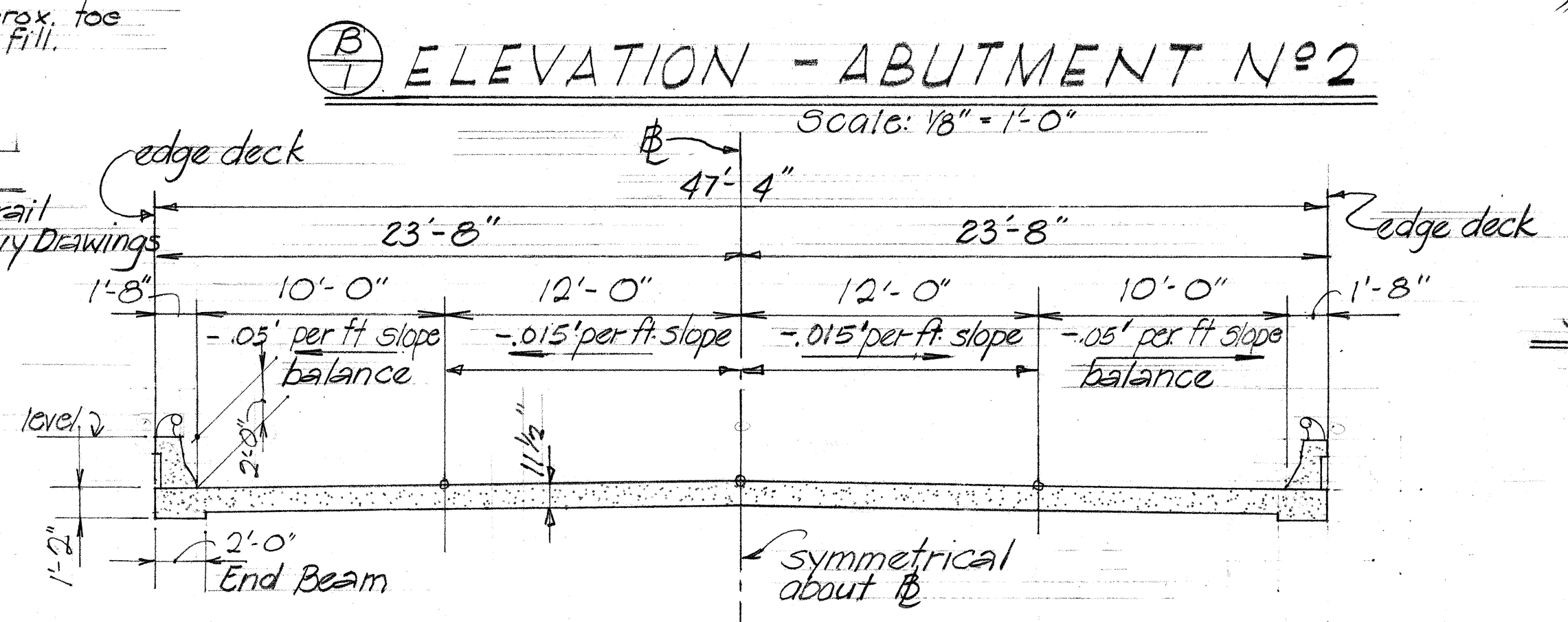
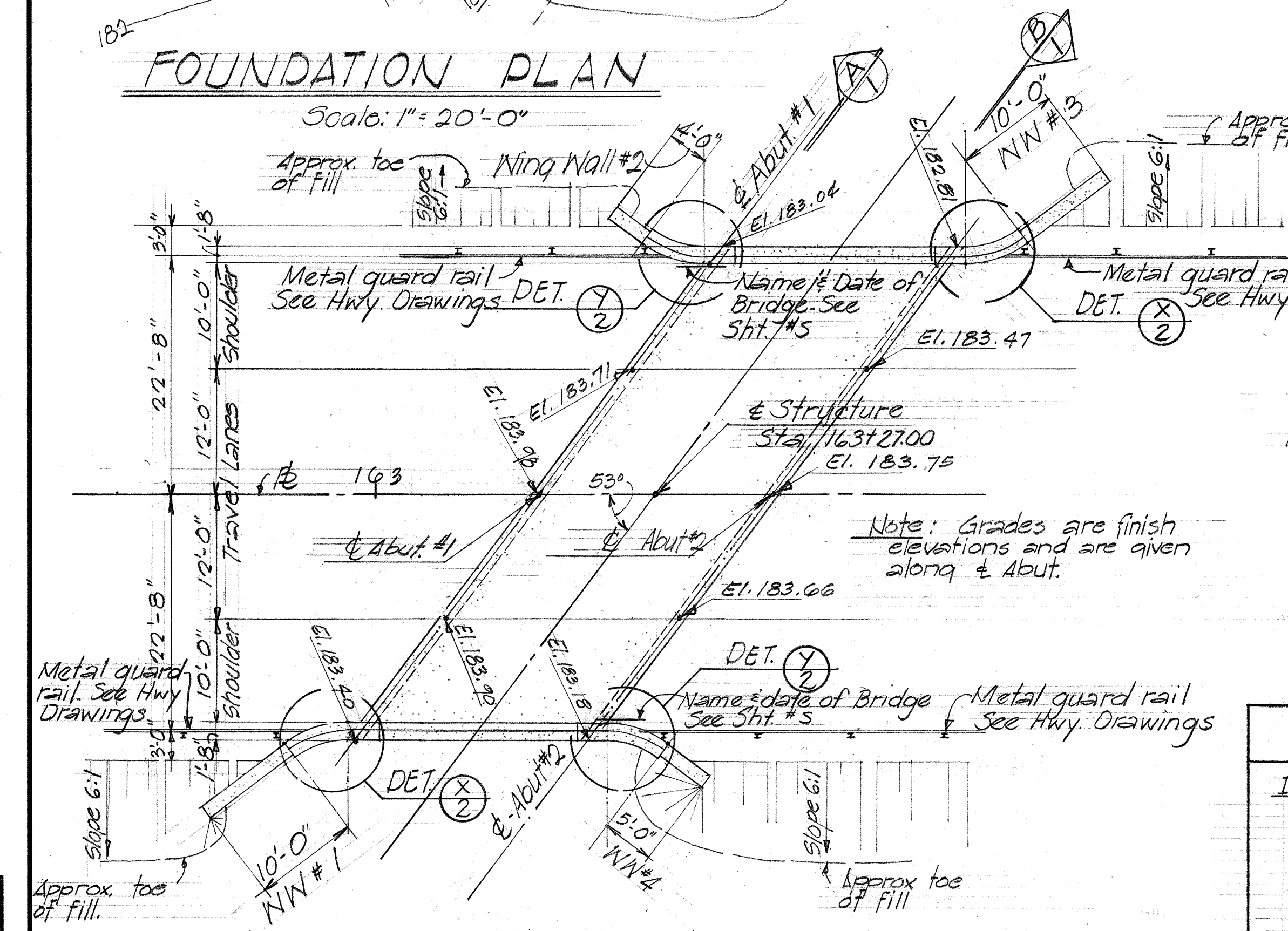
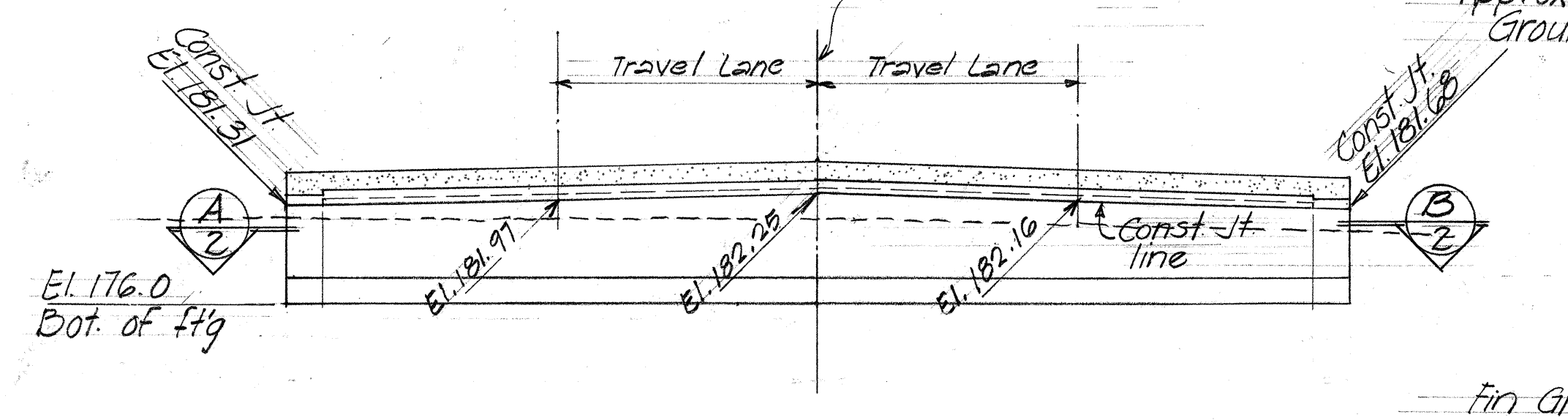
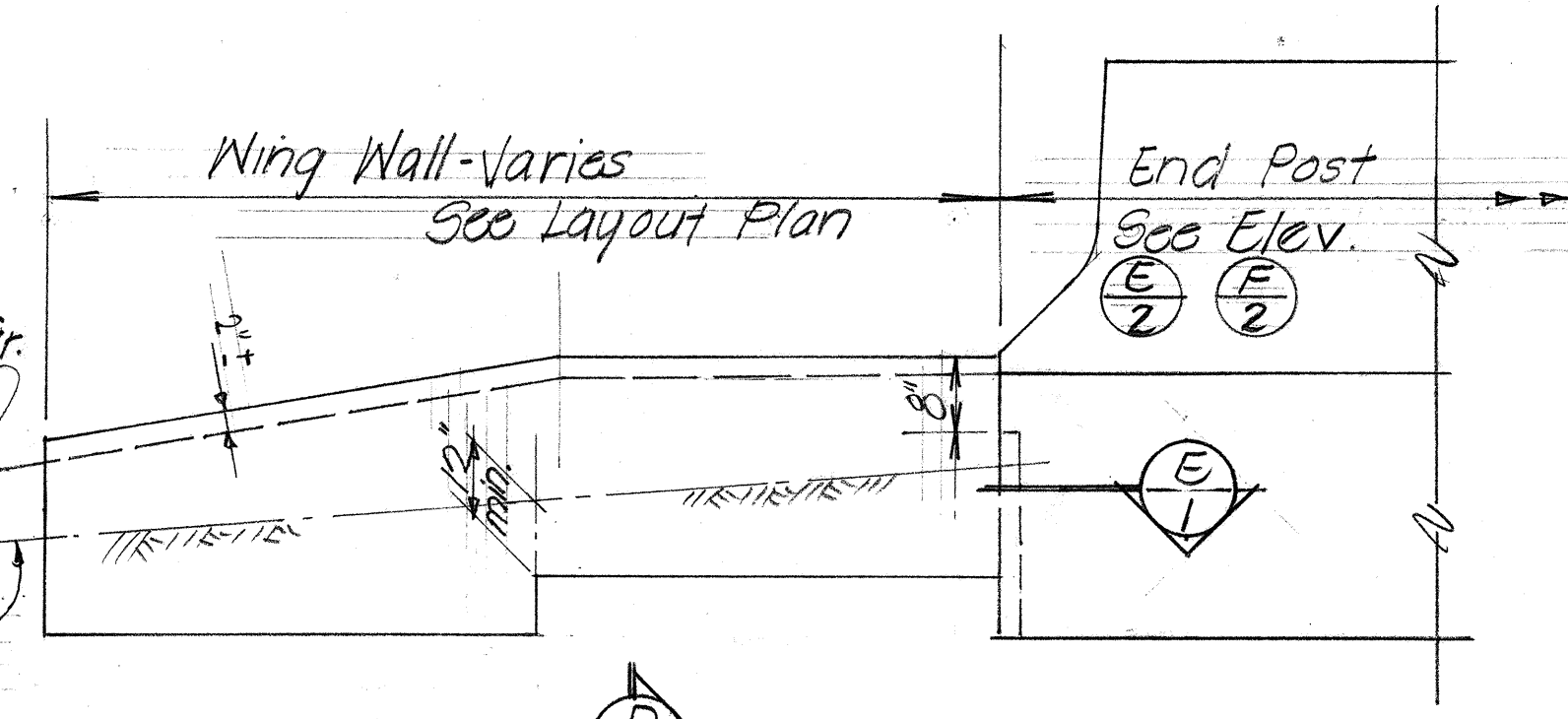
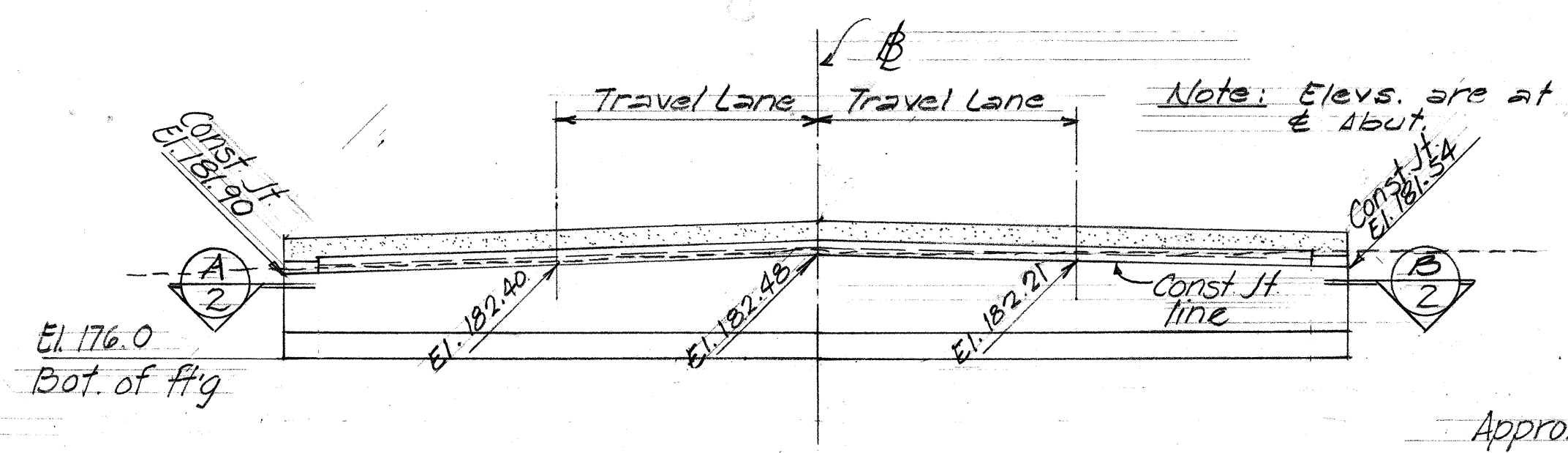
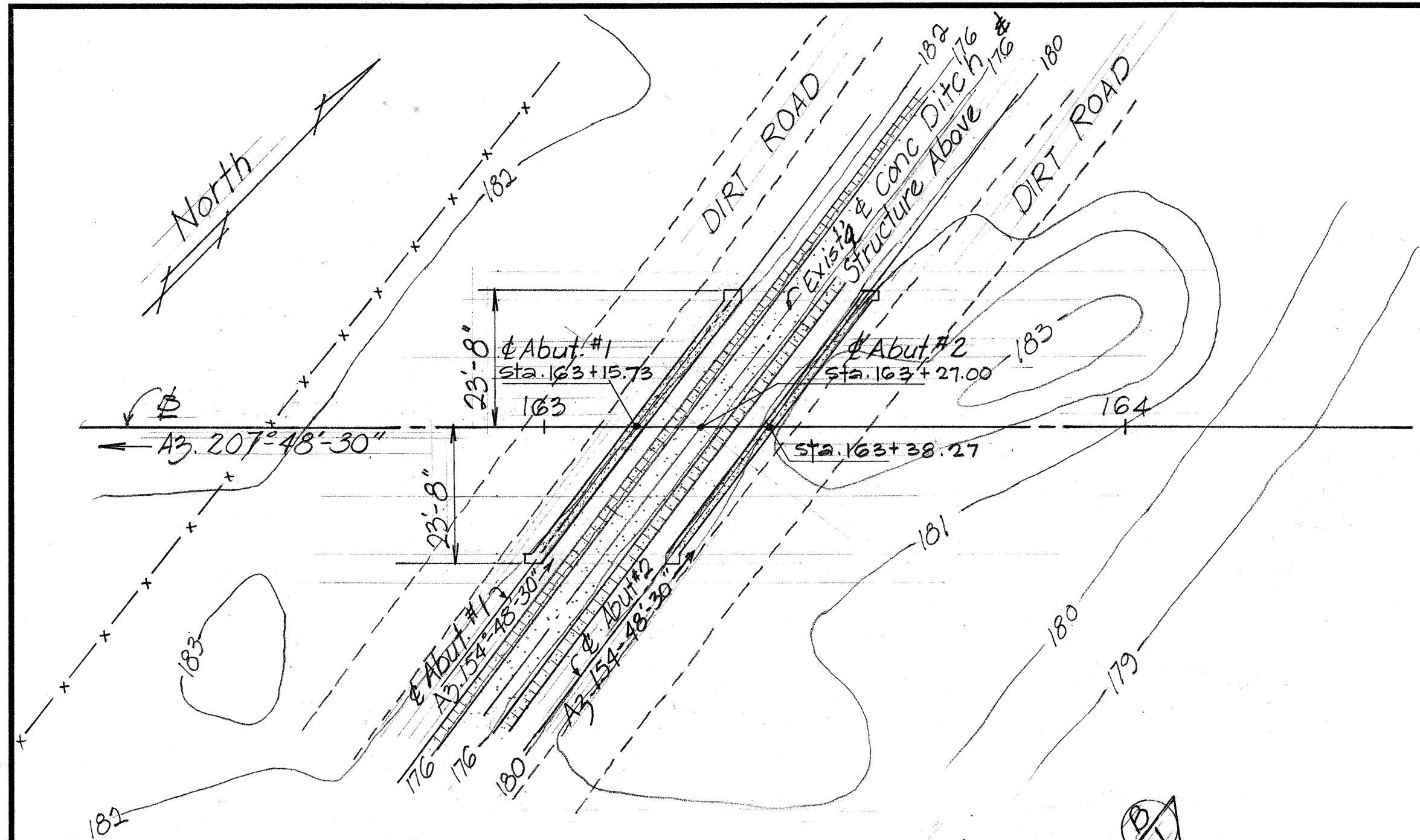
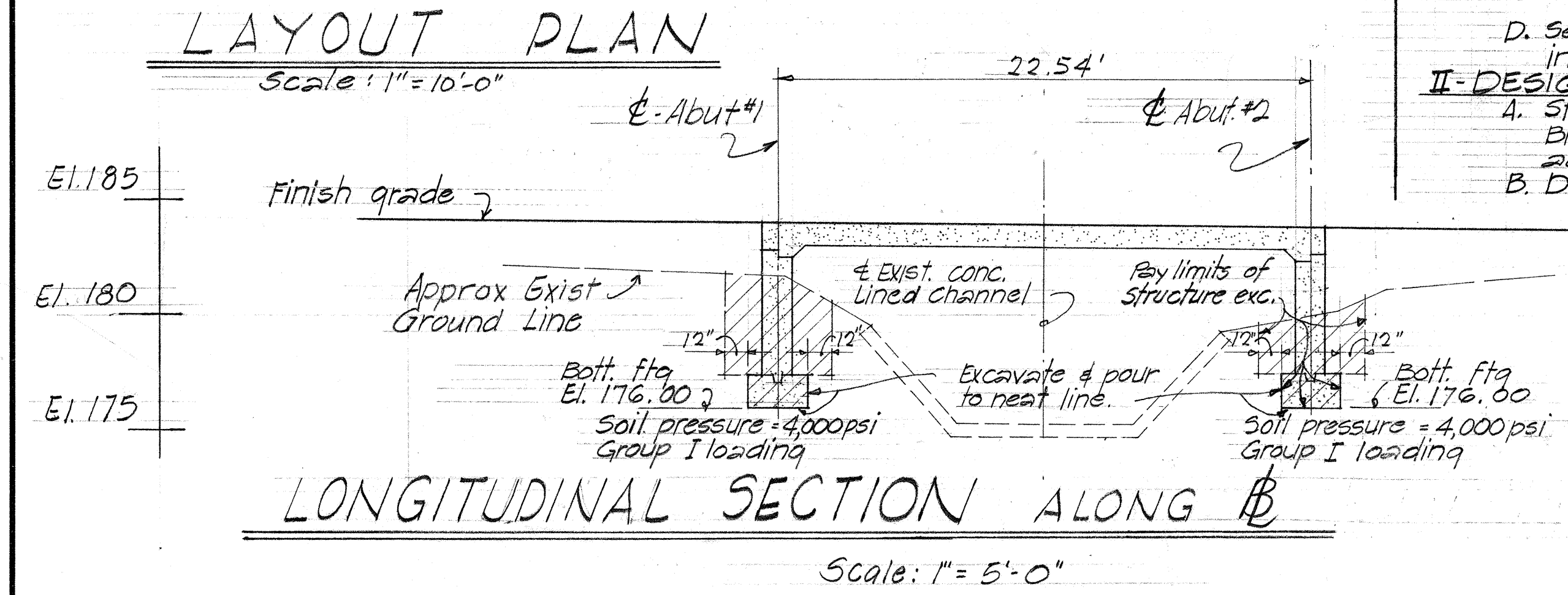


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0380(6)	1967	54	87



- ### GENERAL NOTES
- MATERIALS**
 - All concrete to be class A.
 - All reinforcing steel to be ASTM Designation A-615 Grade 40.
 - DESIGN SPECIFICATIONS**
 - Standard specifications for Highway Bridges (8th Edition) with subsequent additions & modifications.
 - Design Loads - HS - 20 - 44
 - CONSTRUCTION METHODS**
 - Backfill shall be placed simultaneously at both abutments to minimize excessive earth pressure on one side.
 - In general top and edge of concrete deck shall be constructed to follow the finish roadway vertical and horizontal curves and grades.
 - Hand finish will be permitted for deck surface finish.
 - REFERENCE**
 - Refer to Std. Det. Dwg. Sht. #5-1 thru #5-7 inclusive for details not covered by these drawings.

AT END BEAM
TYPICAL DECK CONSTRUCTION JOINT
DETAILS AT ABUTMENT
SCALE: 1/2" = 1'-0"



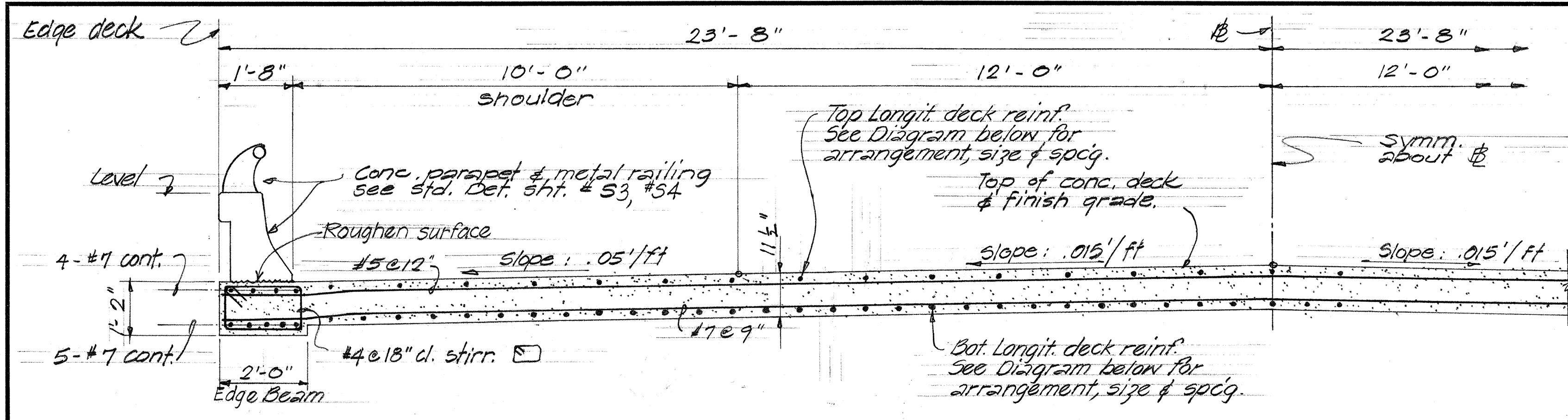
ESTIMATED QUANTITIES

Concrete - Footing	(20.0 cy)	Lump Sum
Concrete - All others	(72.0 cy)	Lump Sum
Reinforcing Steel	(16,500 lbs)	Lump Sum
Structural Exc.	113.0 cu. yd.	
Conc. Bridge Railing & End Post	78.08 Lin. Ft.	
Metal Bridge Railing (Single Rail)	38.08 Lin. Ft.	

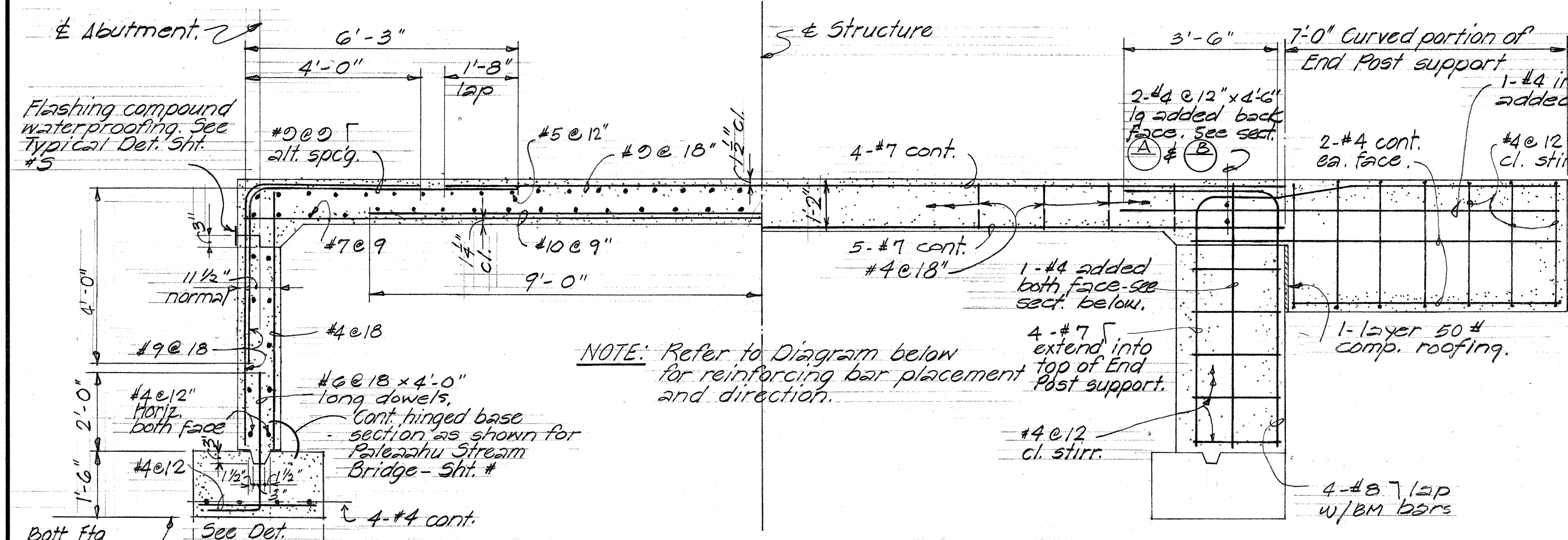
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WAIHEE DITCH BRIDGE
STA. 163 + 27.00
KAHULUI AIRPORT - MAALAE HWY.
Proj. No. 5-0380(6) Nov. 1967
SHEET No. 1 OF 2 SHEETS

DATE
DESIGNED BY
CHECKED BY
ORIGINAL PLAN
NOTED BY
QUANTITIES BY
NO. 1

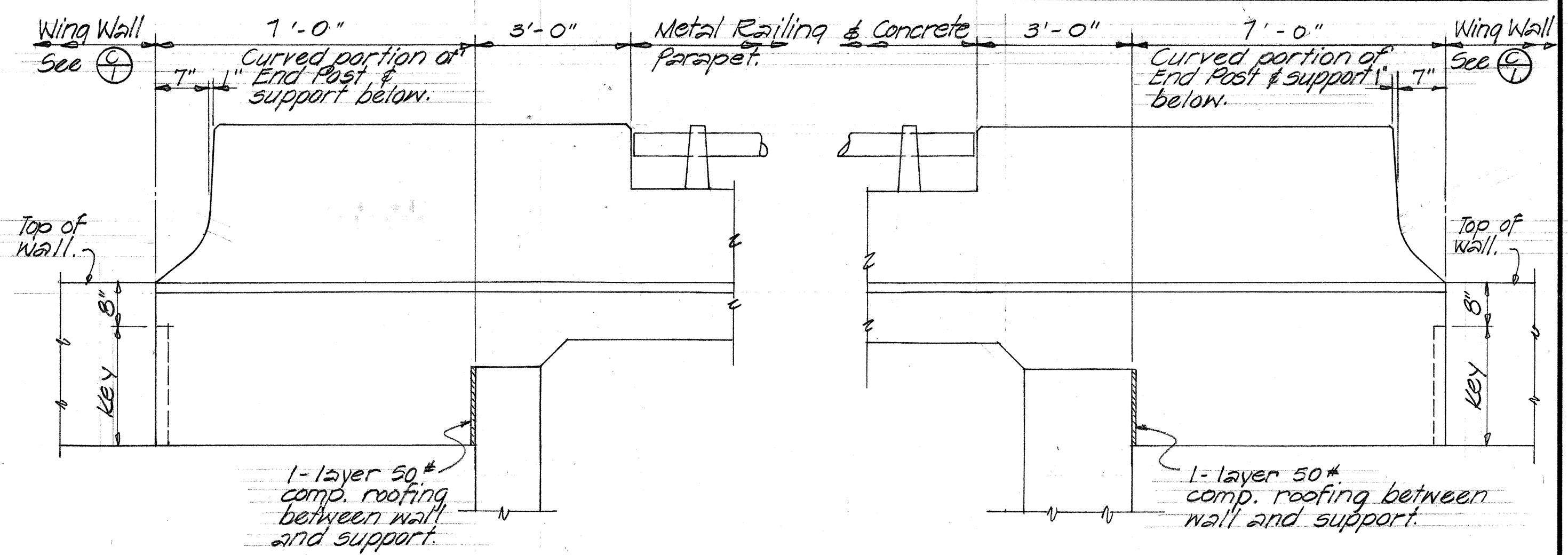
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	5-0380(6)	1967	55	87



HALF NORMAL DECK SECTION
SCALE: 1/2" = 1'-0"

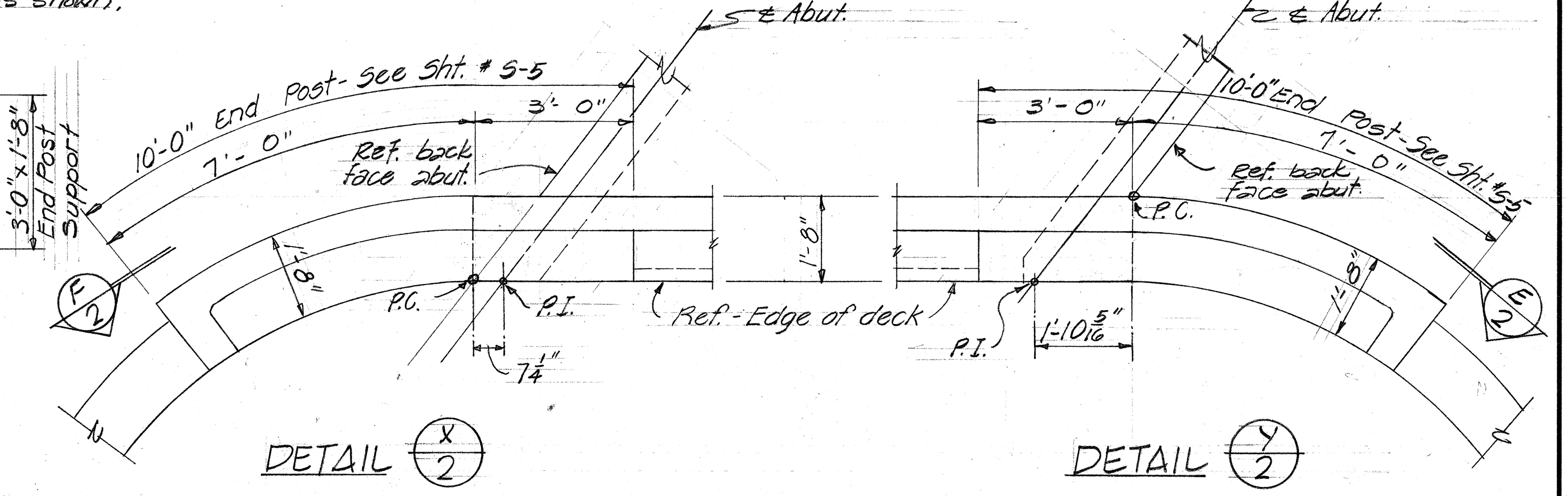


LONGITUDINAL DECK SECTION
SCALE: 1/2" = 1'-0"



ELEVATION E/2

ELEVATION F/2

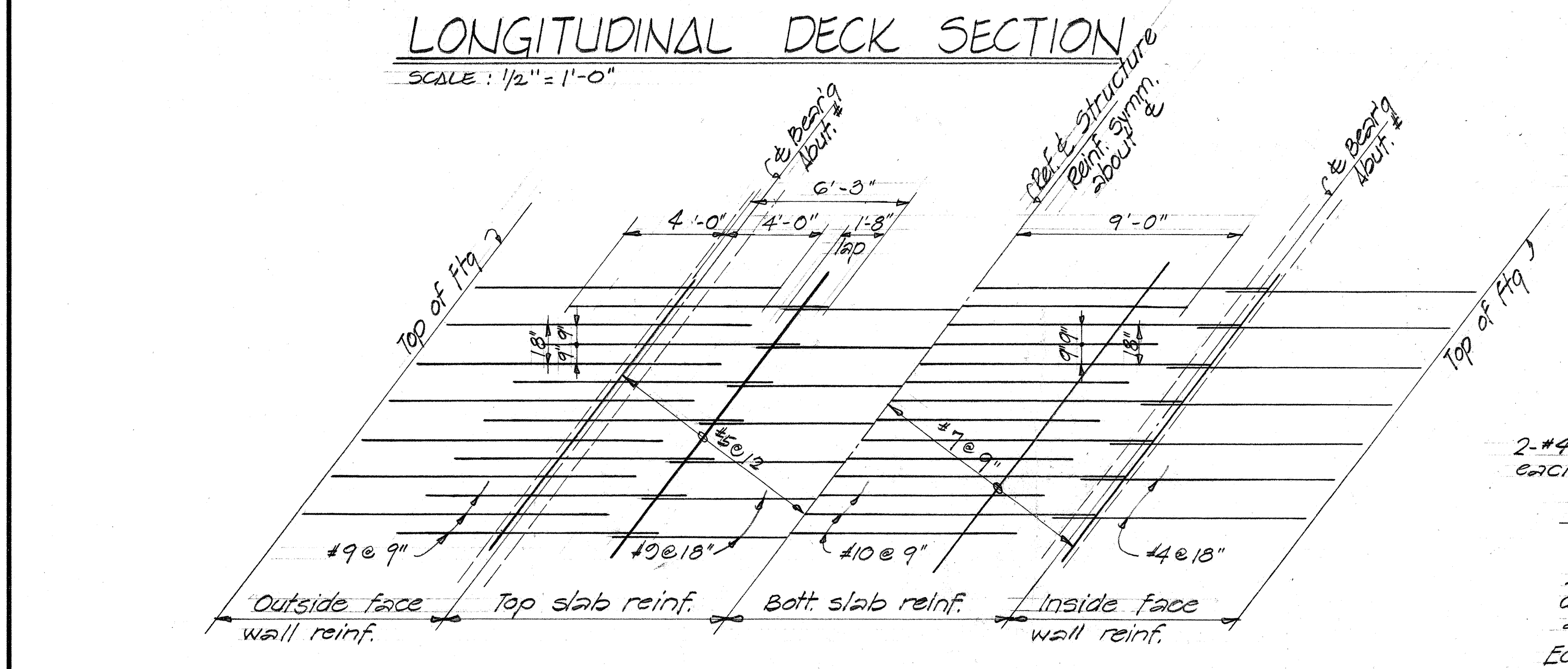


DETAIL X/2

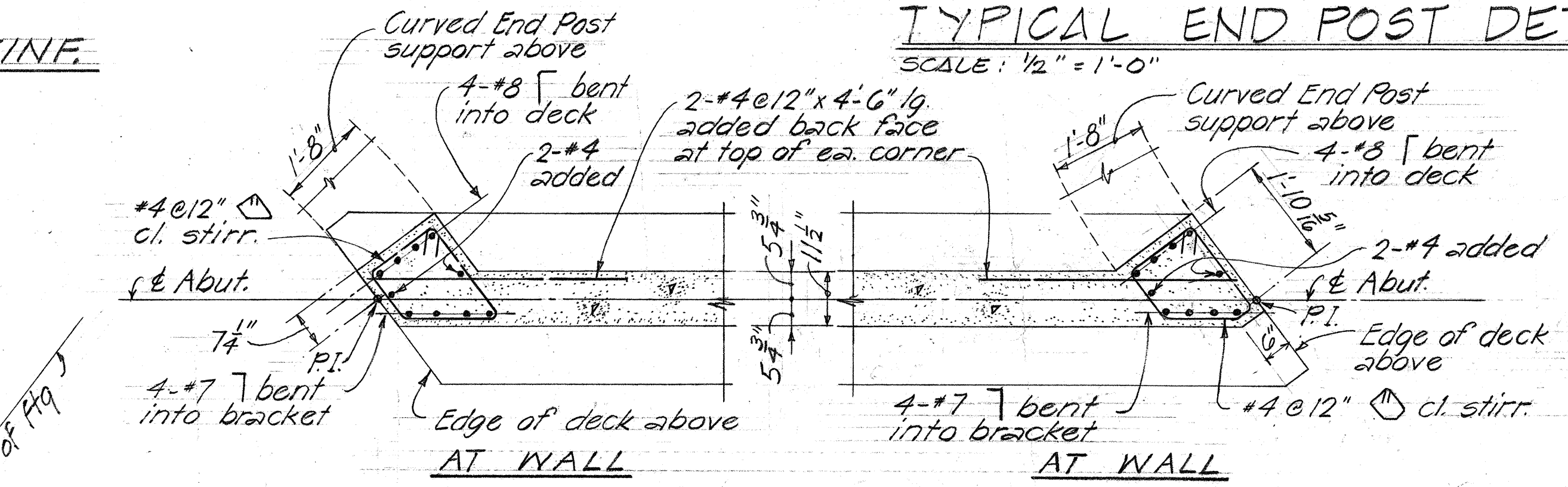
DETAIL Y/2

TYPICAL END POST DETAILS
SCALE: 1/2" = 1'-0"

HALF SHOWING DECK SLAB REINF. HALF SHOWING EDGE BEAM REINF.

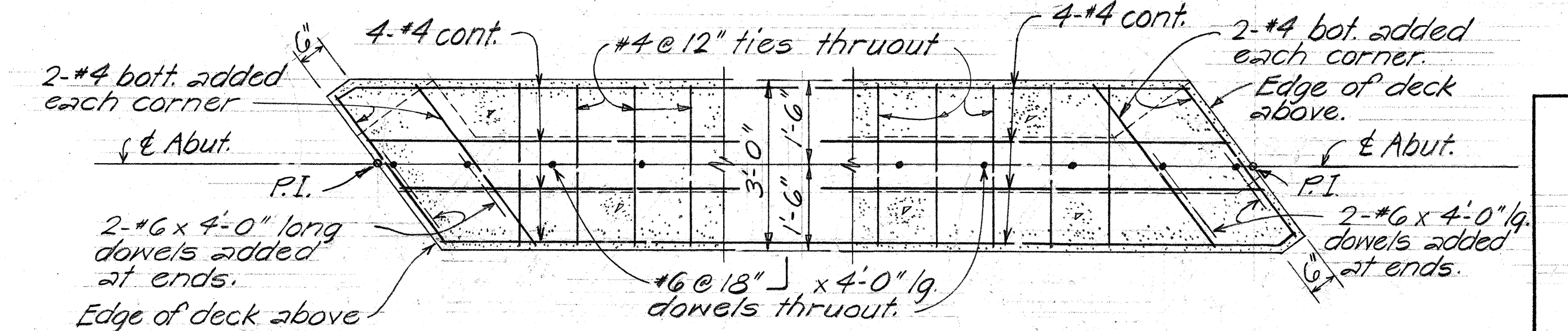


DEVELOPED DECK & ABUT. WALL REINFORCING
SCALE: 1/4" = 1'-0"



SHOWING FOOTING REINFORCEMENT

SHOWING FOOTING REINFORCEMENT



SECTION A/2 Scale: 1/2" = 1'-0"

SECTION B/2 Scale: 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIHEE DITCH BRIDGE

STA. 163 + 27.00

KAHULUI AIRPORT - MAALAEA HWY.

Proj. No. 5-0380(6) Nov. 1967

SHEET No. 2 OF 2 SHEETS

DATE	DESIGNED BY	CHECKED BY
PLAN	TRACED BY	QUANTITIES BY
NOTE BOOK	DESIGNED BY	CHECKED BY
ORIGINAL	DESIGNED BY	CHECKED BY