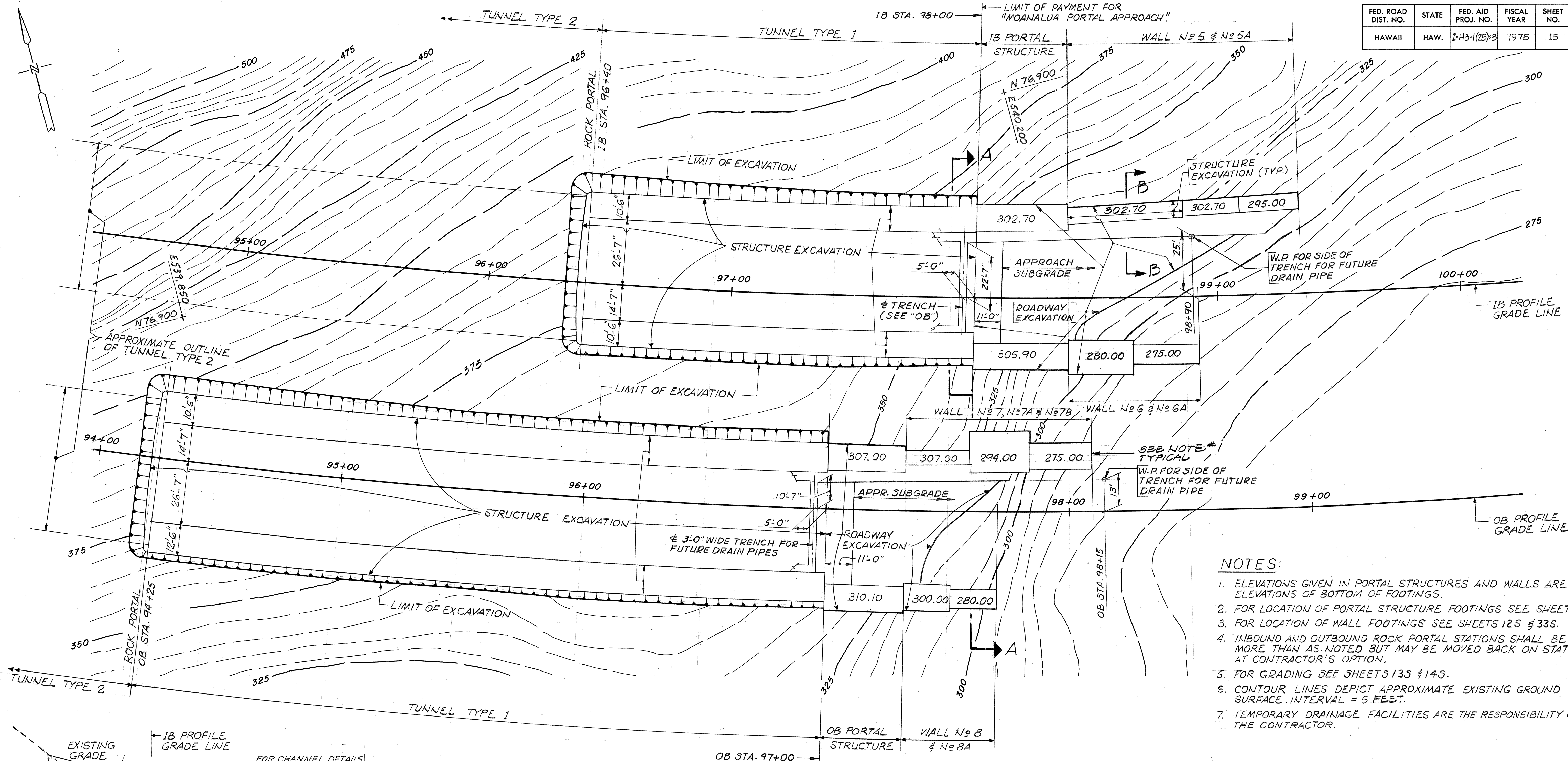


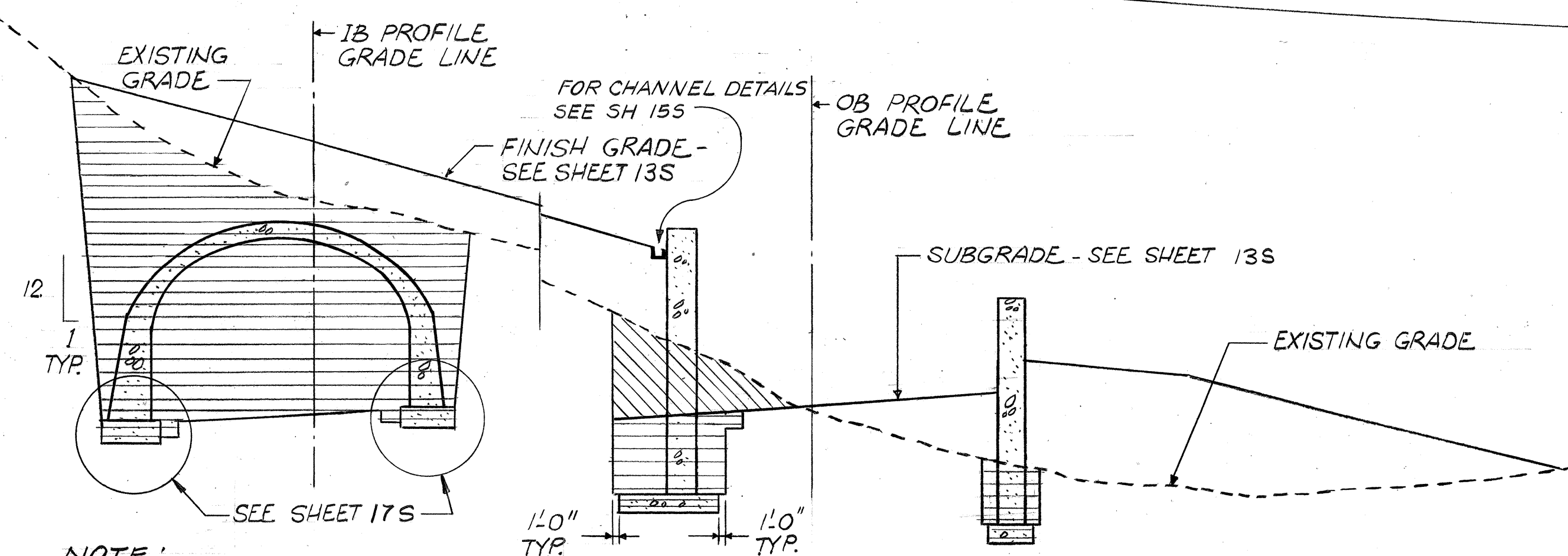
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(25):3	1975	15	111



NOTES:

1. ELEVATIONS GIVEN IN PORTAL STRUCTURES AND WALLS ARE ELEVATIONS OF BOTTOM OF FOOTINGS.
2. FOR LOCATION OF PORTAL STRUCTURE FOOTINGS SEE SHEET 34S.
3. FOR LOCATION OF WALL FOOTINGS SEE SHEETS 12S & 33S.
4. INBOUND AND OUTBOUND ROCK PORTAL STATIONS SHALL BE NOT MORE THAN AS NOTED BUT MAY BE MOVED BACK ON STATION AT CONTRACTOR'S OPTION.
5. FOR GRADING SEE SHEETS 13S & 14S.
6. CONTOUR LINES DEPICT APPROXIMATE EXISTING GROUND SURFACE. INTERVAL = 5 FEET.
7. TEMPORARY DRAINAGE FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEY PLOTTED BY	DATE
PLAN	11/7/75
DESIGNED BY	11/7/75
QUANTITIES BY	11/7/75
CHECKED BY	11/7/75



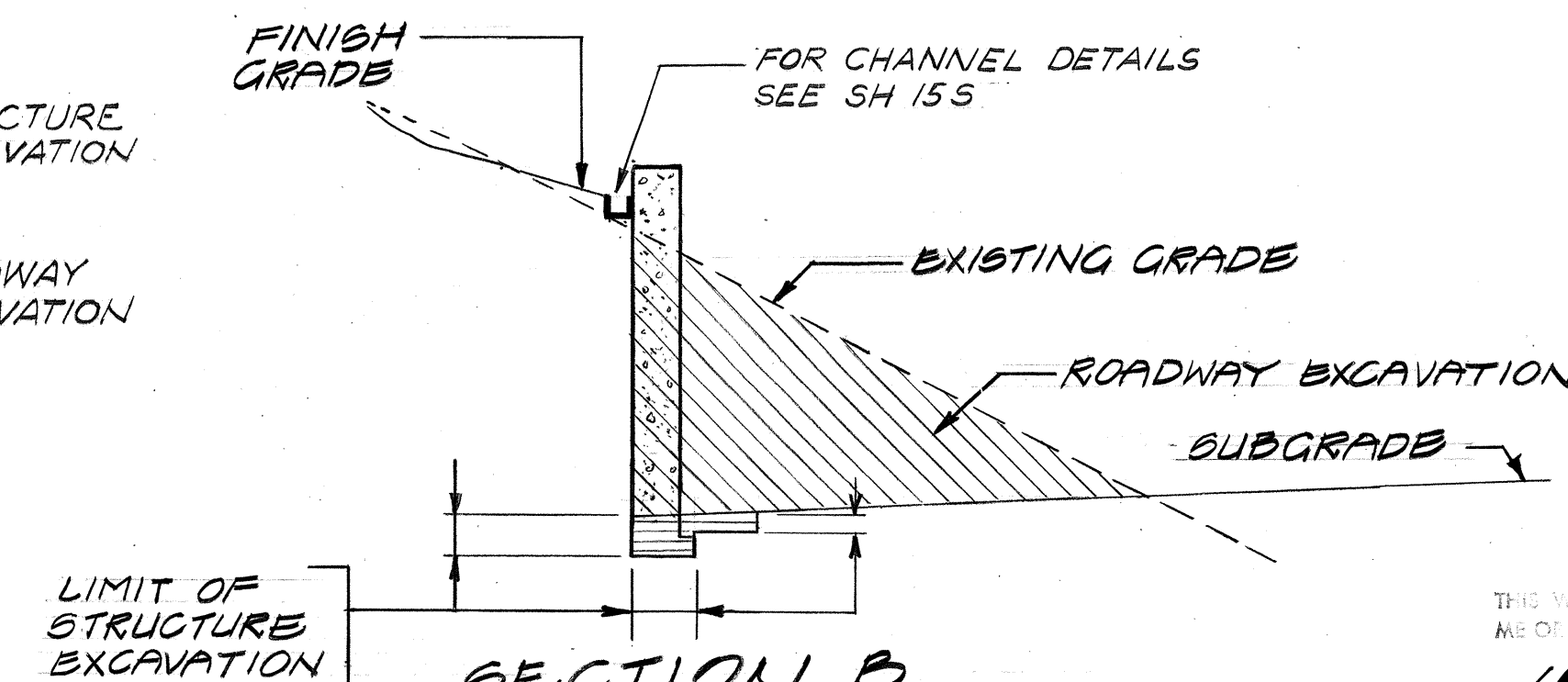
NOTE:
FOR PAY LIMITS OF
BACKFILL SEE
SHEET 13S

SECTION A EXCAVATION PAY LIMITS

NOTE:
EXCAVATION PAY LIMITS FOR
PORTAL STRUCTURES ARE
SHOWN ON SHEET 16S

LEGEND:

- STRUCTURE EXCAVATION
- ROADWAY EXCAVATION



SECTION B EXCAVATION PAY LIMITS TYPICAL FOR WALL 5, 5A & 7B



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

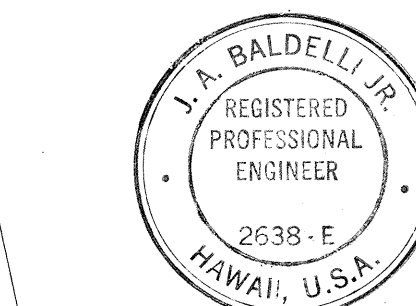
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RED HILL TUNNELS MOANALUA PORTAL EXCAVATION PLAN

F.A.I. PROJECT NO. I-H3-1(25):3
SCALE: 1"=20' DATE: JAN 31, 1975

SHEET No. 115 OF 165 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY <u>J. WENSINGER</u>	DATE <u>11-17-72</u>
NOTE BOOK	DRAWN BY <u>J. BALDELLI</u>	" <u>11-17-72</u>
	DESIGNED BY <u>J. BALDELLI</u>	" <u>11-17-72</u>
	QUANTITIES BY <u>J. BALDELLI</u>	" <u>11-17-72</u>
No. _____	CHECKED BY _____	" <u>11-17-72</u>



THIS WORK WAS PREPARED
ME OR UNDER MY SUPERVISION

RED HILL TUNNELS

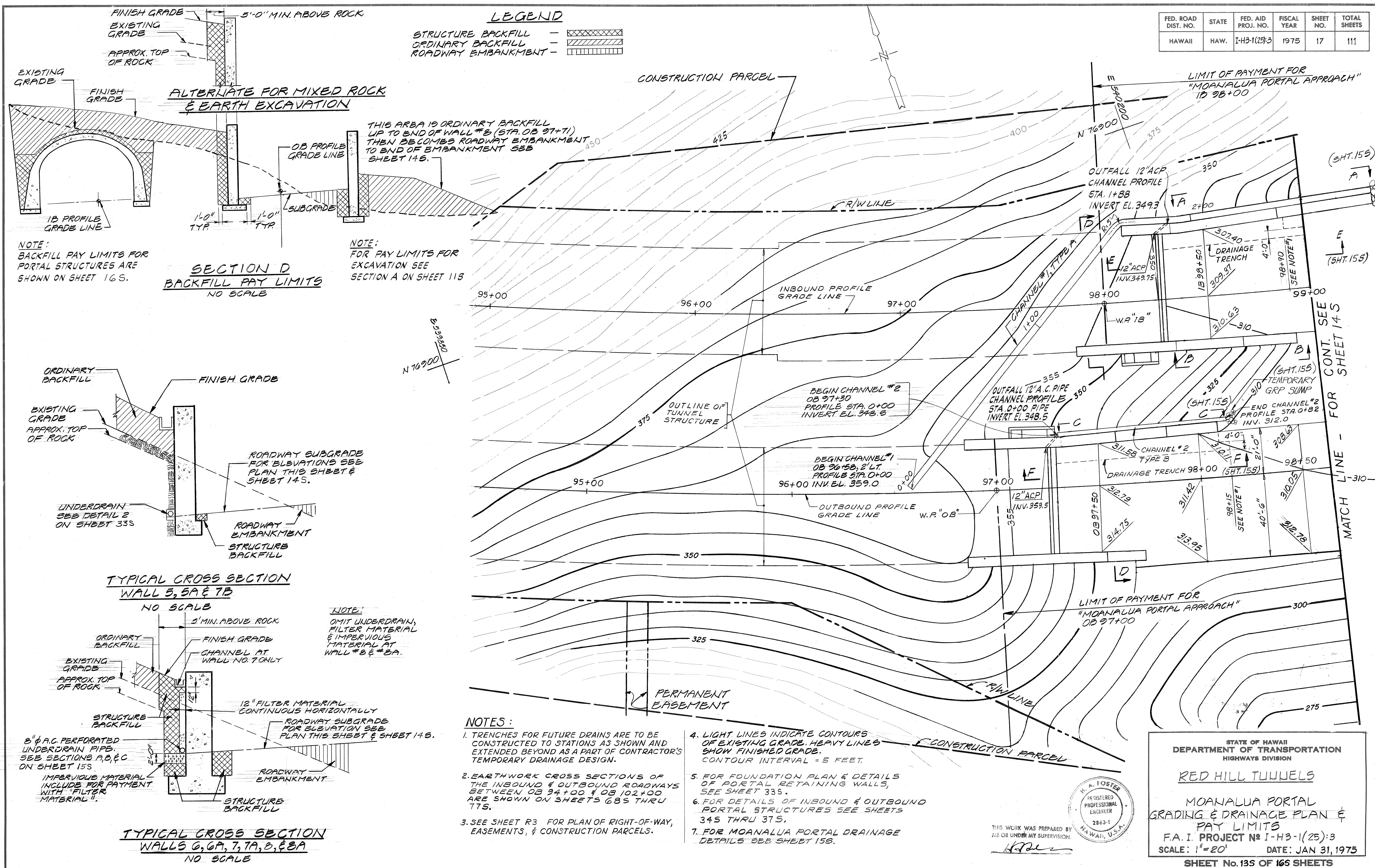
MOANALUA PORTAL
GENERAL PLAN OF STRUCTURES

FA 7. PROJECT NO T-H3-1(25):3

SCALE: 1" = 20' DATE: JAN 31, 1975

SHEET No. 125 OF 165 SHEETS

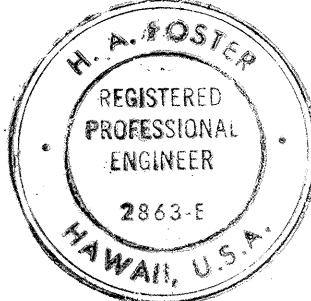
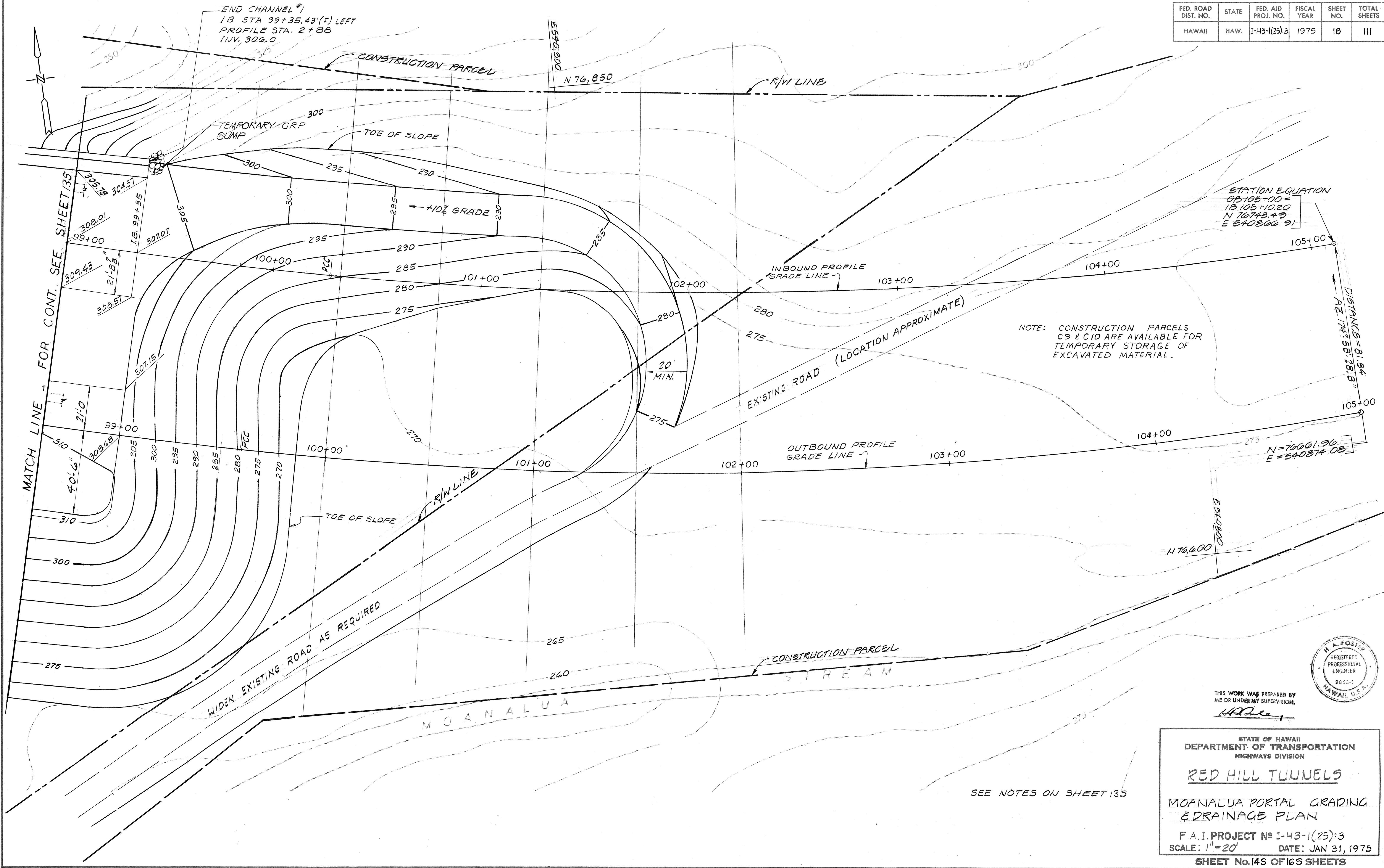
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(25)3	1975	17	111



DATE	1-1-75
DESIGNED BY	W. G. BUELAND
CHECKED BY	J. E. BALDWIN
ORIGINAL PLAN	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-43-1(25):3	1975	18	111

ORIGINAL PLAN	DATE
NO. 1	11/17/72
NO. 2	11/17/72
NO. 3	11/17/72
NO. 4	11/17/72
NO. 5	11/17/72
NO. 6	11/17/72
NO. 7	11/17/72
NO. 8	11/17/72
NO. 9	11/17/72
NO. 10	11/17/72
NO. 11	11/17/72
NO. 12	11/17/72
NO. 13	11/17/72
NO. 14	11/17/72
NO. 15	11/17/72
NO. 16	11/17/72
NO. 17	11/17/72
NO. 18	11/17/72
NO. 19	11/17/72
NO. 20	11/17/72
NO. 21	11/17/72
NO. 22	11/17/72
NO. 23	11/17/72
NO. 24	11/17/72
NO. 25	11/17/72
NO. 26	11/17/72
NO. 27	11/17/72
NO. 28	11/17/72
NO. 29	11/17/72
NO. 30	11/17/72
NO. 31	11/17/72
NO. 32	11/17/72
NO. 33	11/17/72
NO. 34	11/17/72
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NO. 36	11/17/72
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NO. 38	11/17/72
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NO. 41	11/17/72
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NO. 102	11/17/72
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NO. 107	11/17/72
NO. 108	11/17/72
NO. 109	11/17/72
NO. 110	11/17/72
NO. 111	11/17/72



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ME OR UNDER MY SUPERVISION.
H.A. Foster

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RED HILL TUNNELS

MOANALUA PORTAL GRADING
& DRAINAGE PLAN

F.A.I. PROJECT NO. I-43-1(25):3
SCALE: 1" = 20' DATE: JAN 31, 1975

SHEET NO. 145 OF 165 SHEETS

