

AHUA FISH POND

NOTE: 1- 24" circ. conc. culv. 90 ft. long to be installed under Job No. 5142. When east-bound traffic lanes are improved in the future, the above culv. is to be extended and the existing highway bridge demolished.

Note: All azimuth readings are referred to Salt Lake Δ Azd. $0^{\circ}00'40''$ for Hauiki Azimuth.

Continue A.C. roll on medial strip to Sta. 165+00. Warp medial strip from level to a dished section between Sta. 165+00 and 166+00. From Sta. 166+00, slope gutter at medial strip towards grating at Sta. 169+00 on 0.20% grade.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DANR10E(1)	1944	9	11

KAMEHAMEHA HIGHWAY

Drainage Ditch
R/W Boundary

WEST-BOUND TRAFFIC LANES
MEDIAL STRIP
EAST-BOUND TRAFFIC LANES

NOTE: This line is the division line between projects SNFAP 9-D(4) and DA-NR10-E(1)

OAHU RAILWAY & LAND CO'S 40' R/W

Shoulder Line

Grating at Medial Strip

R/W Boundary

Equation: ϕ Medial Strip Plus 1.24'

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BEG. OF HAWAII PROJ. NO. DA-NR10-E (1)
STA. 164+20

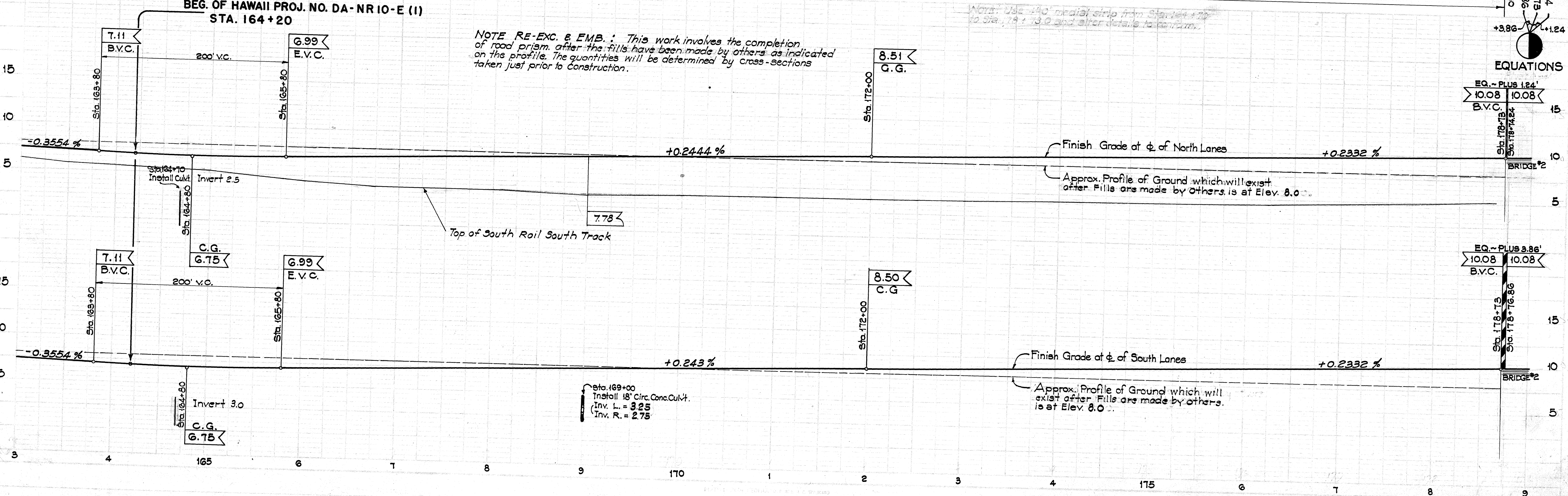
NOTE RE-EXC. & EMB.: This work involves the completion of road prism after the fills have been made by others as indicated on the profile. The quantities will be determined by cross-sections taken just prior to construction.

NOTE: Use 140' medial strip from Sta. 164+20 to Sta. 172+00 and alter details to conform.

EQUATIONS

EQ. ~ PLUS 1.24'
10.08 10.08
B.V.C.

EQ. ~ PLUS 3.86'
10.08 10.08
B.V.C.

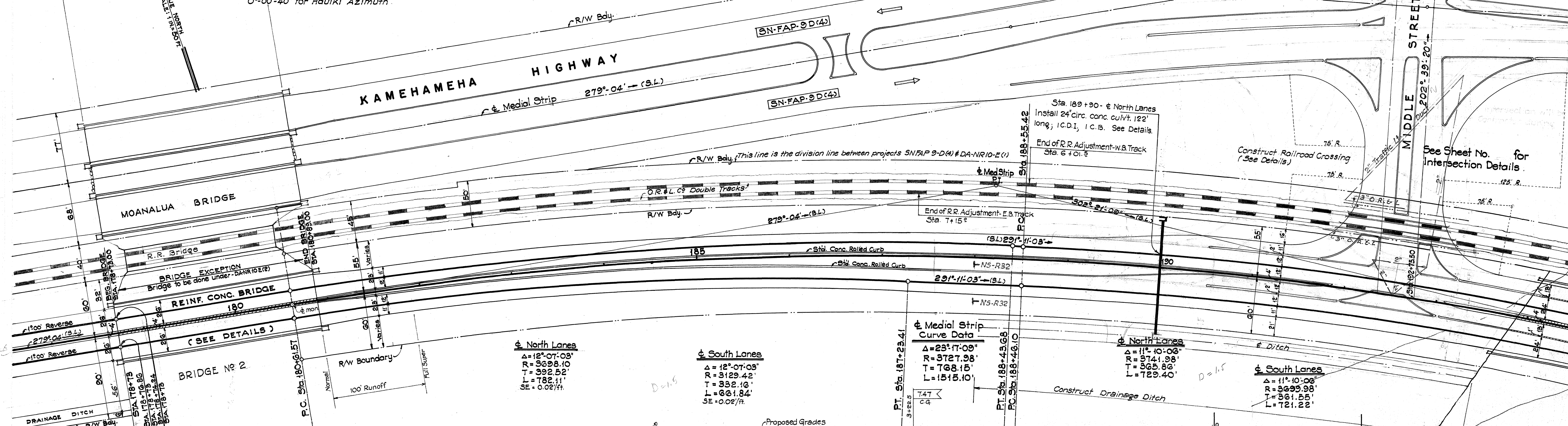


Revision: Culvert length at Sta. 164+20 1-27-45
Rev. 2-36' culv. at Sta. 164+20 changed to
1-24' Culv. 3-45

PROJ. SN FAP 9-G(2)

Note: All azimuth readings are referred to Salt Lake & Add 0°-00'-40" for Hauiki Azimuth

KAMEHAMEHA HIGHWAY



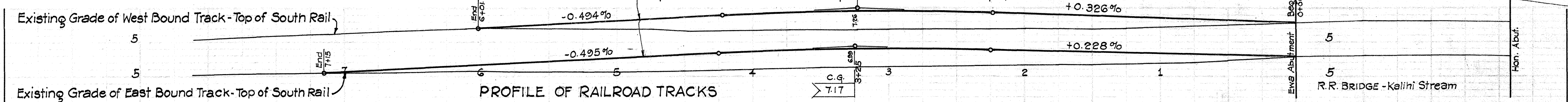
North Lanes
 $\Delta = 12^{\circ}07'03''$
 $R = 3698.10'$
 $T = 392.52'$
 $L = 782.11'$
 $SE = 0.02'/ft.$

South Lanes
 $\Delta = 12^{\circ}07'03''$
 $R = 3129.42'$
 $T = 332.16'$
 $L = 661.84'$
 $SE = 0.02'/ft.$

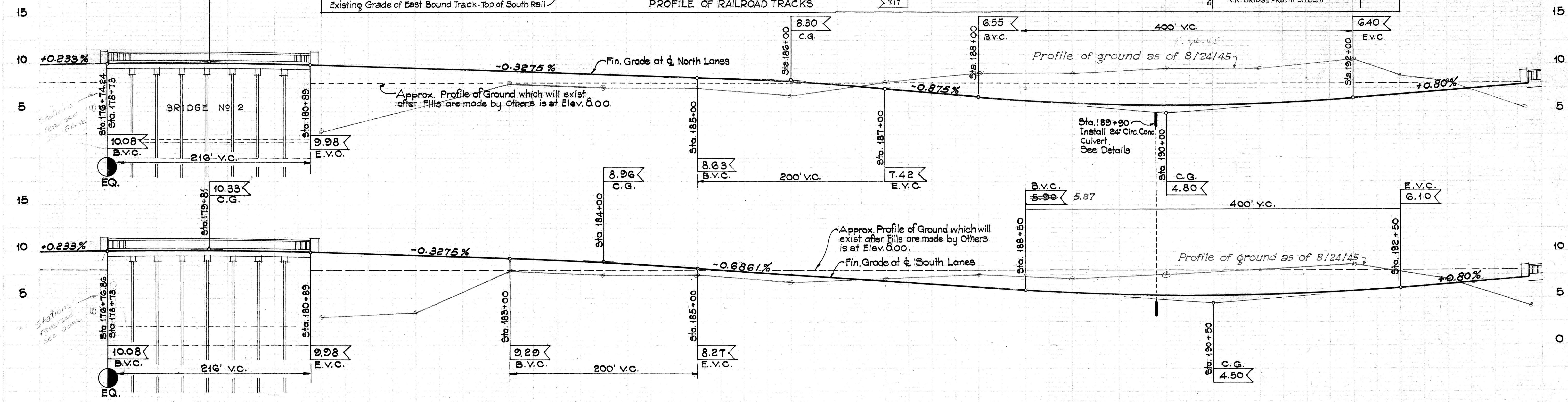
Medial Strip Curve Data
 $\Delta = 23^{\circ}17'09''$
 $R = 3727.98'$
 $T = 768.15'$
 $L = 1515.10'$

North Lanes
 $\Delta = 11^{\circ}10'06''$
 $R = 3741.98'$
 $T = 365.86'$
 $L = 729.40'$

South Lanes
 $\Delta = 11^{\circ}10'06''$
 $R = 3699.98'$
 $T = 361.55'$
 $L = 721.22'$



PROFILE OF RAILROAD TRACKS



Approx. Profile of Ground which will exist after fills are made by Others is at Elev. 8.00.

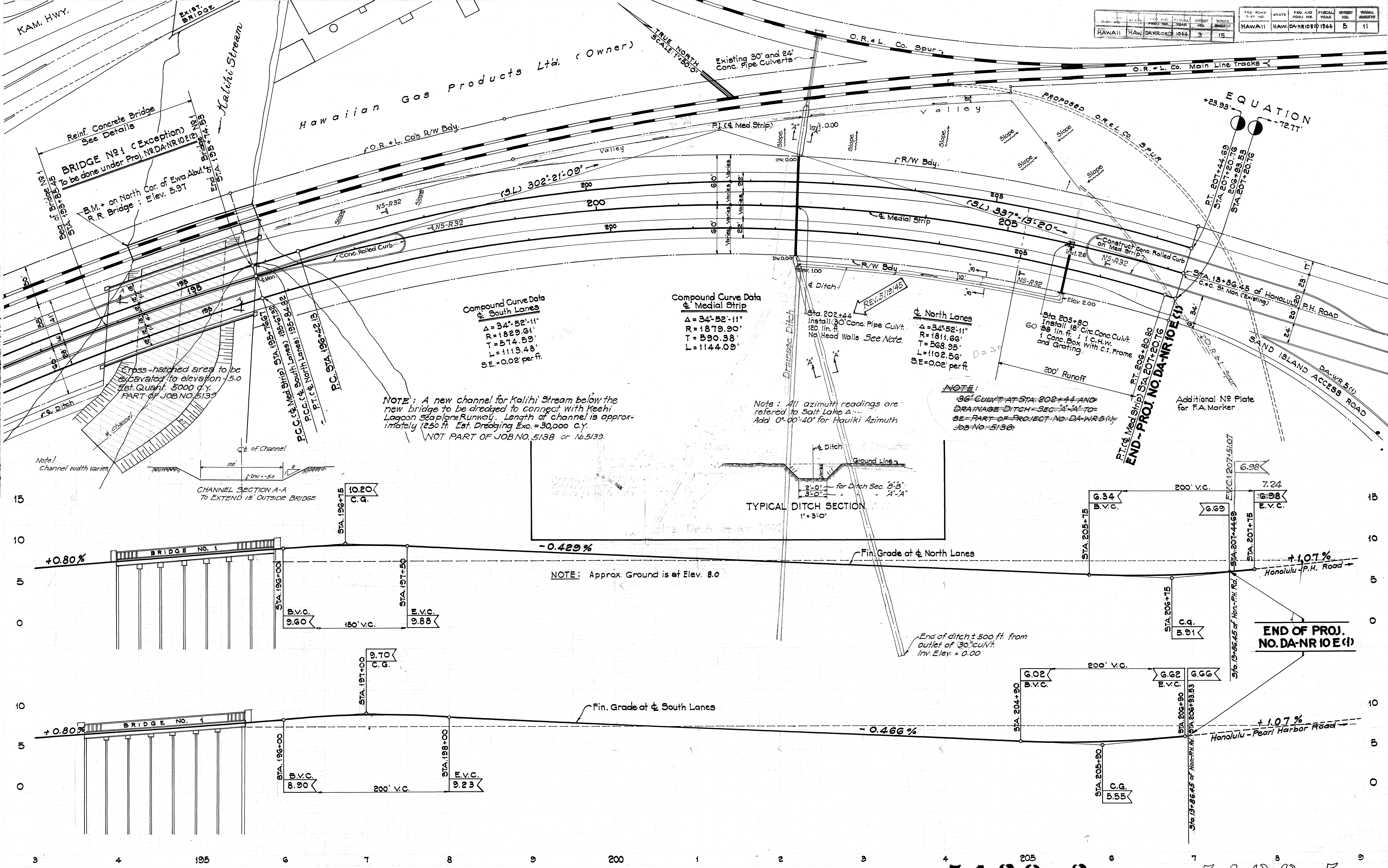
Approx. Profile of Ground which will exist after fills are made by Others is at Elev. 8.00.

Sta. 189+90
 Install 24" Circ. Conc. Culvert
 See Details

Profile of ground as of 8/24/45

REV. 5-10-65: 36" culvert changed to 30" width.

REV. 12-8-44: Channel change at Kalihi Stream.
12-26-44: Drainage Ditch
4-11-45: 36" culvert to be done under DA-NR 5139.



STATE	FED. AID	FISCAL	PROJECT	DATE
HAWAII	DA-NR 1010	1944	5	11

STATE	FED. AID	FISCAL	PROJECT	DATE
HAWAII	DA-NR 1010	1944	5	11

5139.3

5138.5