

GENERAL NOTES:

1. Azimuth and Coordinates are based on Hawaiian Plane Coordinates Grid System Zone 1 referred to "KAILUA" Δ, 80,135.23 N & 575,640.57 E.
2. Bench Marks are referred to mean sea level datum and shall be furnished & established by State Department of Transportation, Highways Division.
3. "©" denotes installation of reference survey monuments. Locations are shown on the plans. For details, see Standard Plan P-06.
4. For Type "C-1" "F-1" & "G" Metal Guardrail Flare details, see Sht. 10 & Standard Plans TE-59. For Metal Guardrail & Metal Guardrail w/ Rubrail detail, see Standard Plans TE-50, TE-51 & TE-52. For location, see Typical Sections.
5. For Concrete Guardrail Type 4A, see Standard Plan TE-63.

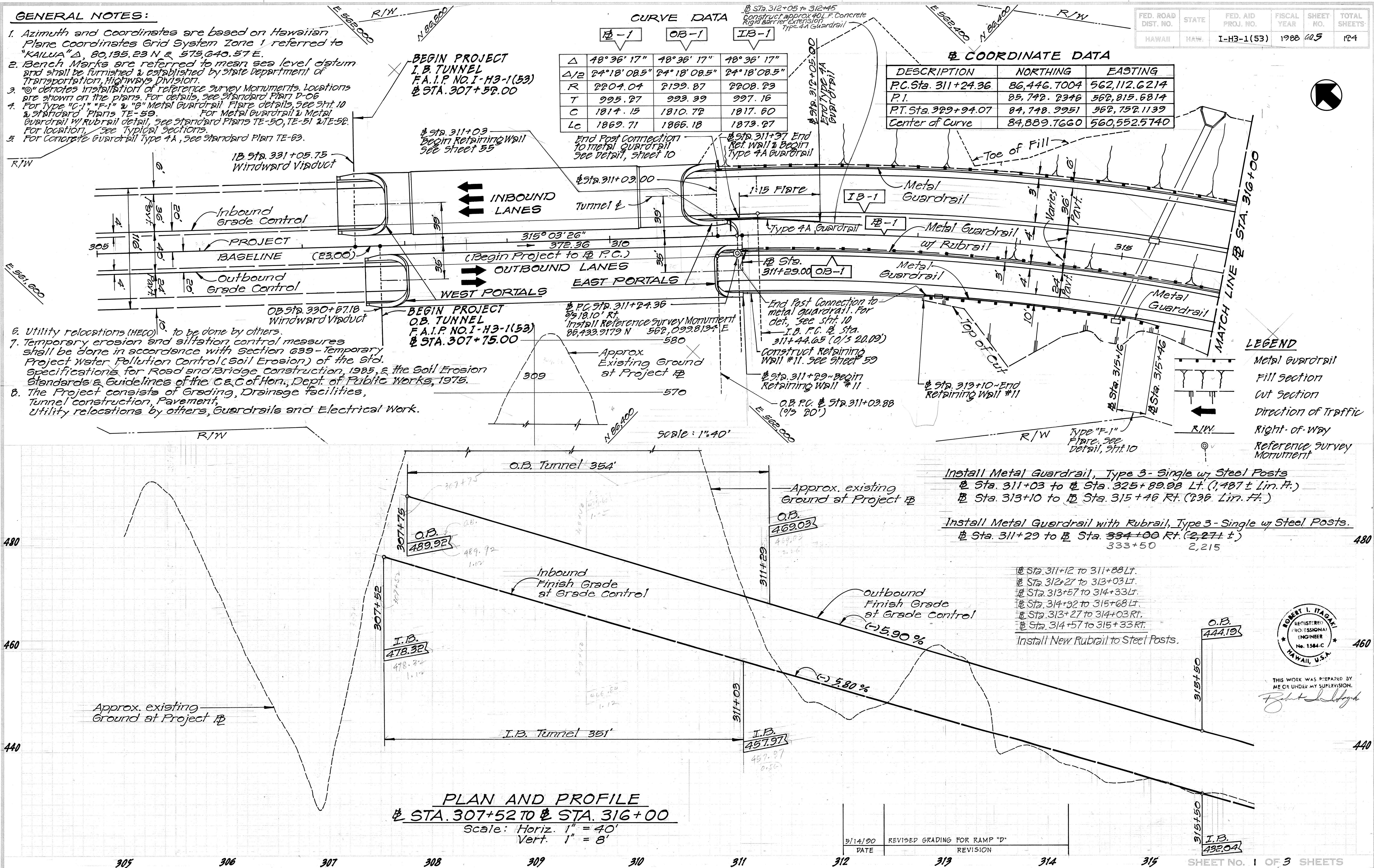
6. Utility relocations (HECO) to be done by others.
7. Temporary erosion and siltation control measures shall be done in accordance with Section 639 - Temporary Project Water Pollution Control (Soil Erosion) of the Std. Specifications for Road and Bridge Construction, 1985, & the Soil Erosion Standards & Guidelines of the C&C of Hon., Dept. of Public Works, 1975.
8. The Project consists of Grading, Drainage facilities, Tunnel construction, Pavement, Utility relocations by others, Guardrails and Electrical Work.

CURVE DATA

	Δ 48°36'17"	Δ 48°36'17"	Δ 48°36'17"
Δ/2	24°18'08.5"	24°18'08.5"	24°18'08.5"
R	2204.04	2139.87	2208.23
T	225.27	223.39	227.16
C	1814.15	1810.72	1817.60
Lc	1862.71	1866.18	1873.27

COORDINATE DATA

DESCRIPTION	NORTHING	EASTING
P.C. Sta. 311+24.36	86,446.7004	562,112.6214
P.I.	85,742.2346	562,815.6814
P.T. Sta. 329+94.07	84,748.9951	562,752.1139
Center of Curve	84,889.7660	560,552.5740



PLAN AND PROFILE
 STA. 307+52 TO STA. 316+00
 Scale: Horiz. 1" = 40'
 Vert. 1" = 8'

5/14/90 DATE
 REVISED GRADING FOR RAMP "D" REVISION

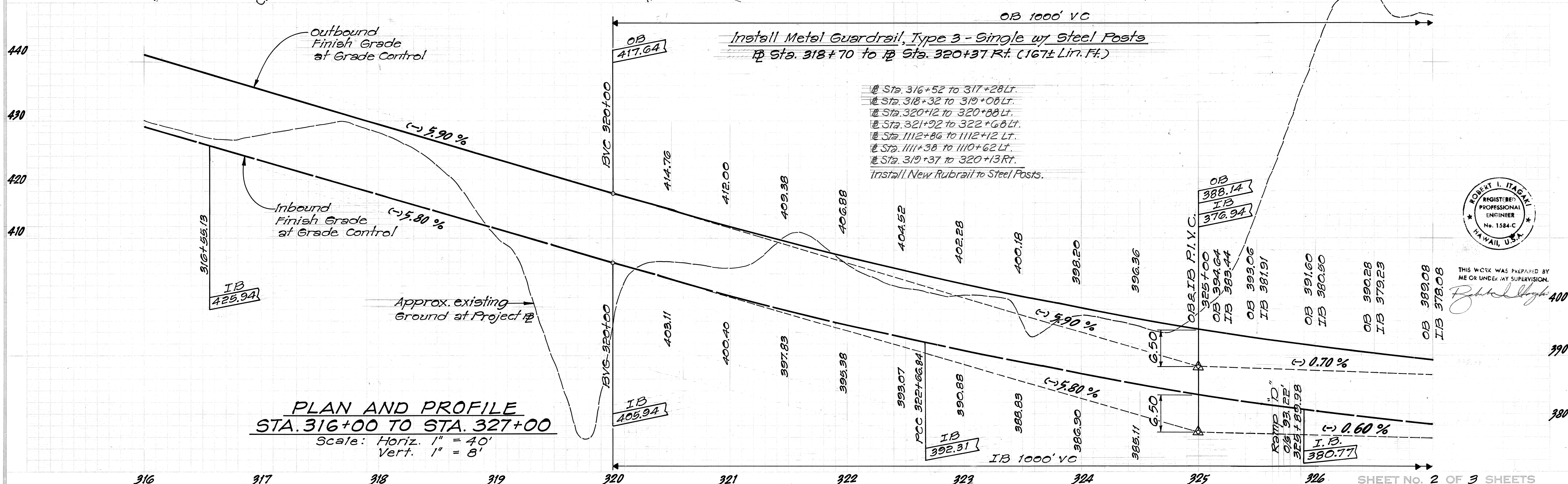
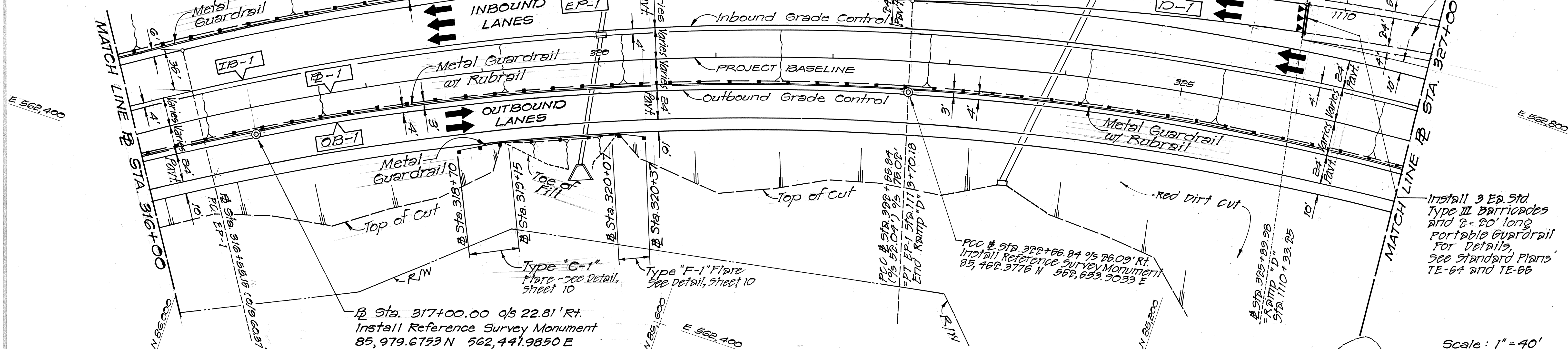
SHEET NO. 1 OF 3 SHEETS

C.O.5

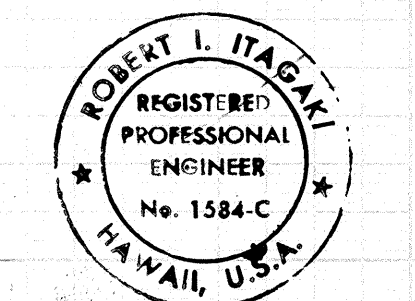
D-5
10-02-88
2600
555.25
1826.85
1074.95

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(53)	1988	6	124

CURVE DATA					
	IB-1	OB-1	IB-1	EP-1	D-1
Δ	18°36'17"	18°36'17"	18°36'17"	13°58'04.20"	17°24'56.40"
$\Delta/2$	9°18'08.5"	9°18'08.5"	9°18'08.5"	6°59'02.10"	8°42'28.20"
R	2204.04	2199.87	2208.23	2600.00	2600.00
T	995.27	993.39	997.16	316.90	398.22
C	1814.15	1810.72	1817.60	627.77	787.26
LC	1869.71	1866.18	1873.27	629.30	790.30

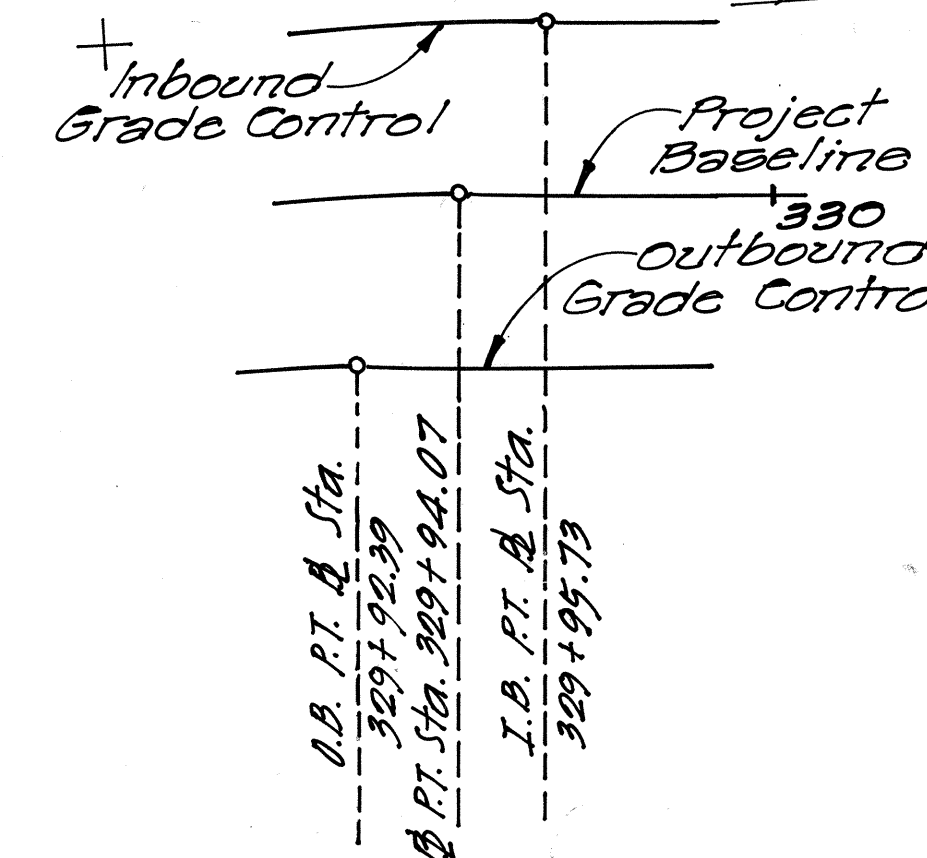
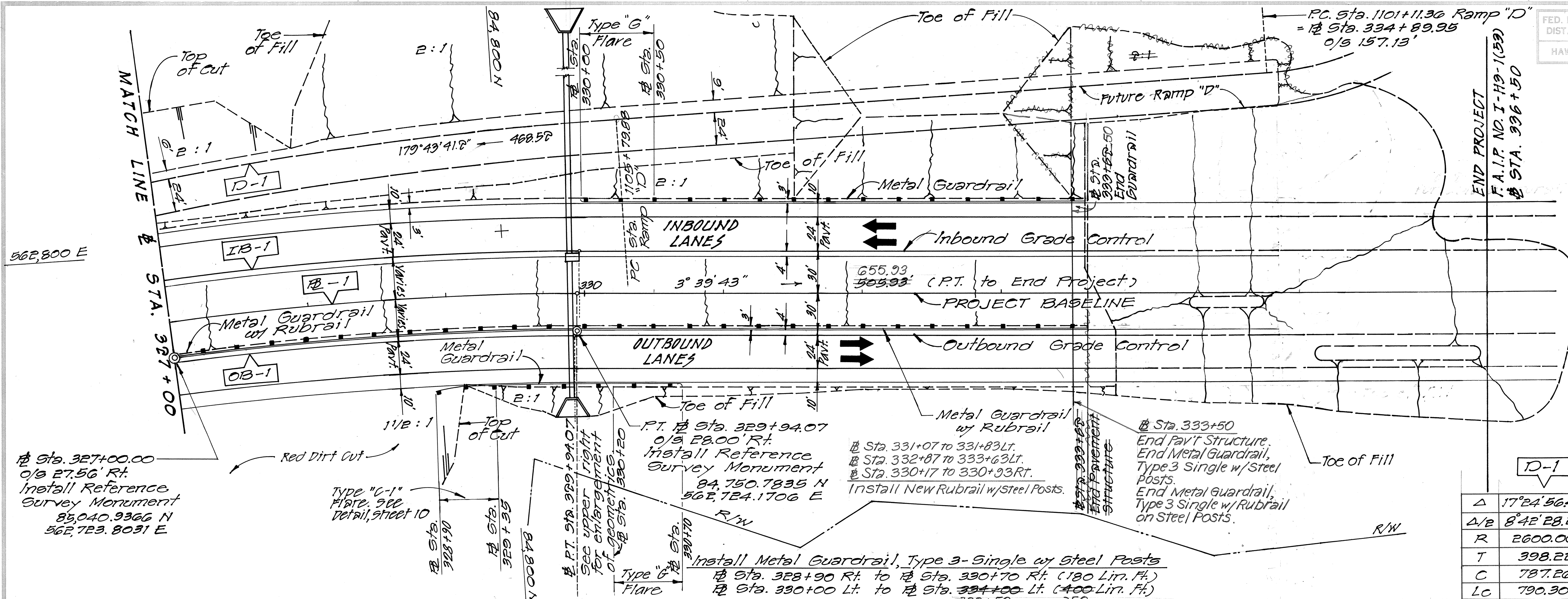
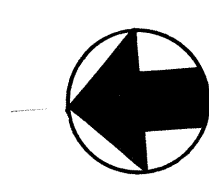


SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Robert I. Itagaki

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1 (53)	1988	607	124

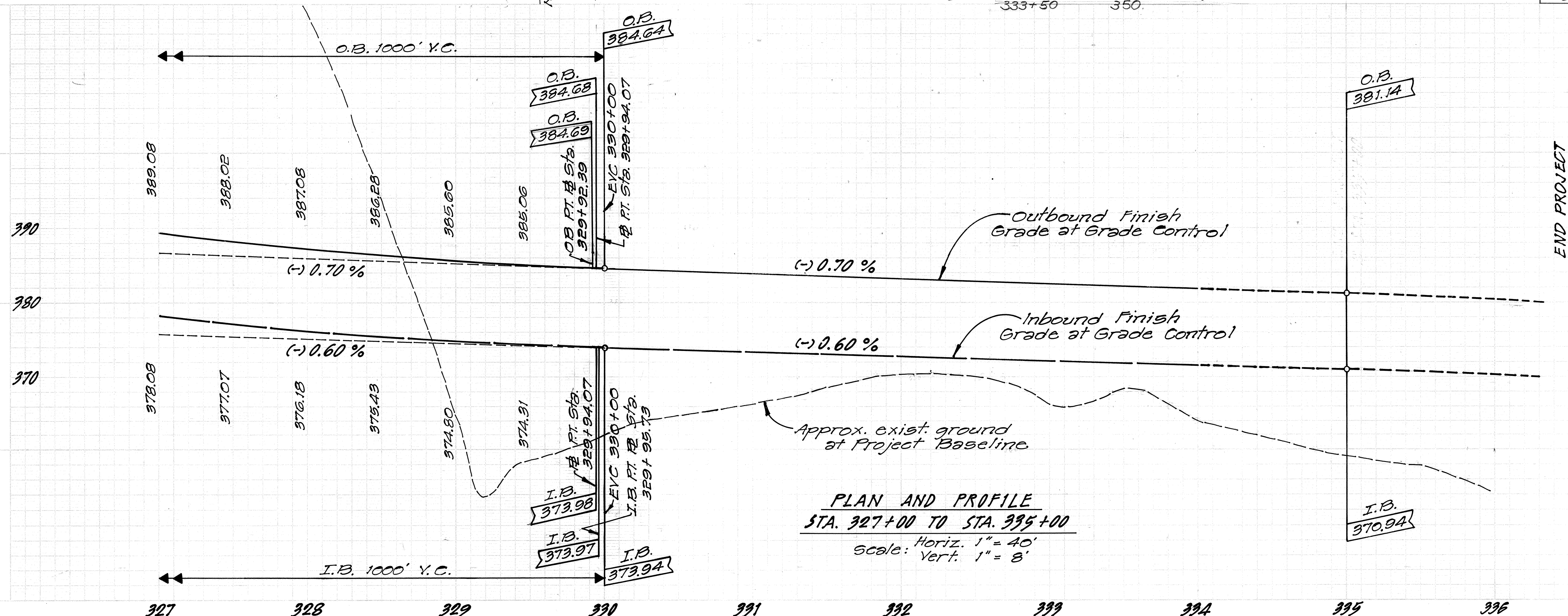


ENLARGEMENT
Not to Scale

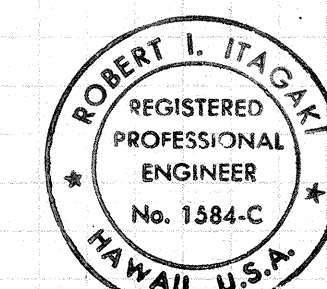
CURVE DATA

	D-1	D-1	OB-1	IB-1
Δ	17°24'56.40"	48°36'17"	48°36'17"	48°36'17"
Δ/E	8'42" E 8.25'	24'18" O 8.5'	24'18" O 8.5'	24'18" O 8.5'
R	2600.00	2204.04	2199.87	2208.23
T	398.22	995.27	993.39	997.16
C	787.26	1814.15	1810.72	1817.60
Lc	790.30	1869.71	1866.18	1873.27

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	



PLAN AND PROFILE
STA. 327+00 TO STA. 336+50
Scale: Horiz. 1" = 40'
Vert. 1" = 8'



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4/30/91	REVISED END OF PROJECT, END OF PAV'T. STRUCTURE, END OF GUARDRAIL, ADDED SURCHARGE AND DELSTED PARKING AND PORTABLE GUARDRAIL.
5/14/90	REVISED GRADING FOR RAMP 'D'
DATE	REVISION

SHEET No. 3 OF 3 SHEETS

C.O.7