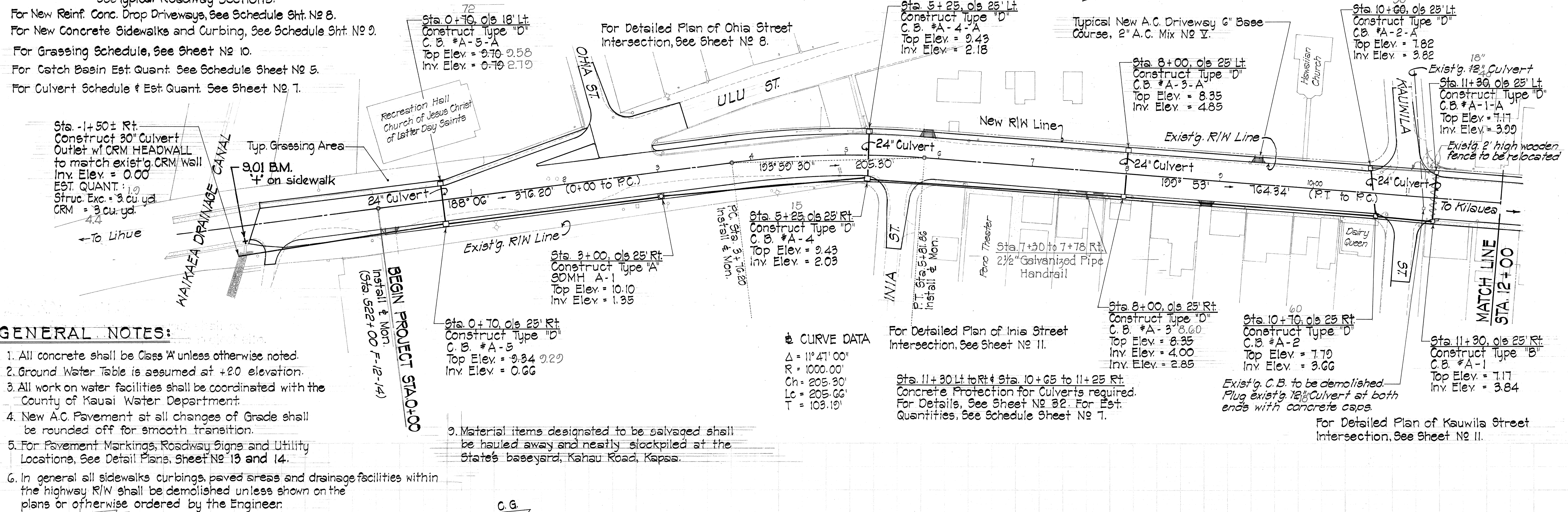


For New A.C. Driveways Schedule & Est. Quant., See Sht. No. 8.
For Details of Types "B" & "D" Catch Basins, See Sht. No. 28.
For Detail of Type "A" SDMH, See Sht. No. 29.

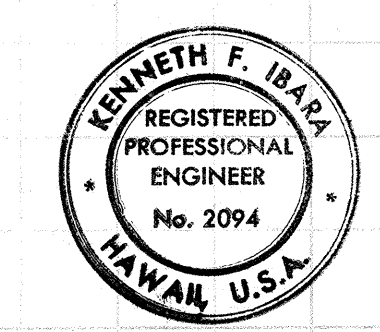
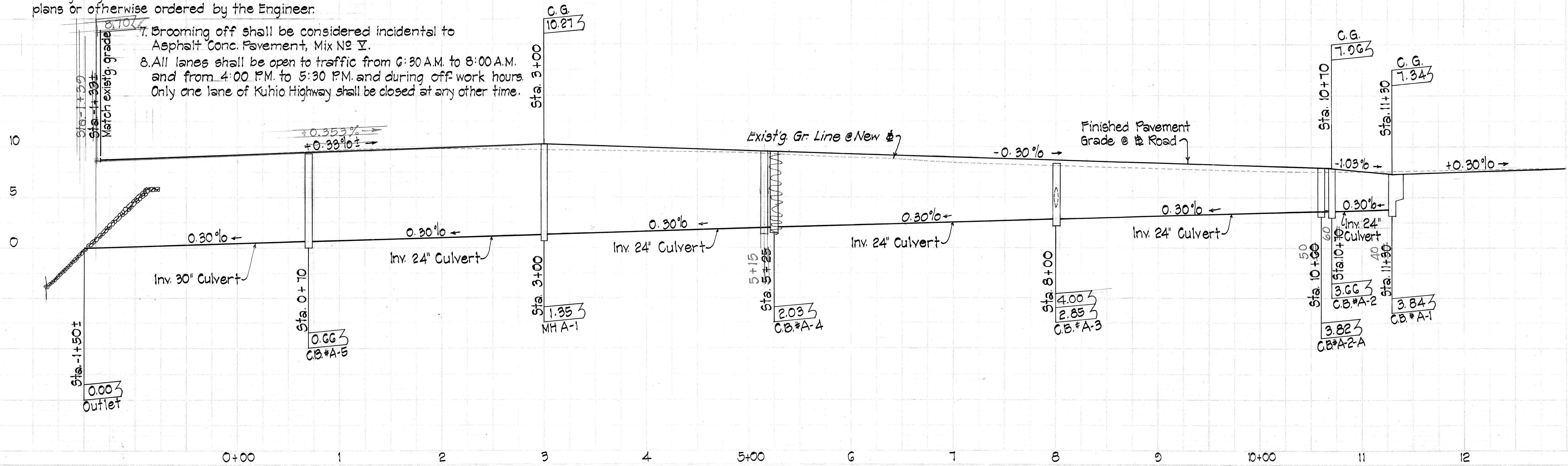
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36A-01-74	1974	2	53

Sta. -1+33 to 45+55.03 Construct New A.C. Pavement (except Moikeha Bridge portion)
See Typical Roadway Sections.
For New Reinf. Conc. Drop Driveways, See Schedule Sht. No. 8.
For New Concrete Sidewalks and Curbing, See Schedule Sht. No. 9.
For Grassing Schedule, See Sheet No. 10.
For Catch Basin Est. Quant. See Schedule Sheet No. 5.
For Culvert Schedule & Est. Quant. See Sheet No. 7.



GENERAL NOTES:

1. All concrete shall be Class 'A' unless otherwise noted.
2. Ground Water Table is assumed at +2.0 elevation.
3. All work on water facilities shall be coordinated with the County of Kauai Water Department.
4. New A.C. Pavement at all changes of Grade shall be rounded off for smooth transition.
5. For Pavement Markings, Roadway Signs and Utility Locations, See Detail Plans, Sheet No. 13 and 14.
6. In general all sidewalks curbing, paved areas and drainage facilities within the highway R/W shall be demolished unless shown on the plans or otherwise ordered by the Engineer.
7. Brooming off shall be considered incidental to Asphalt Conc. Pavement, Mix No. V.
8. All lanes shall be open to traffic from 6:30 A.M. to 8:00 A.M. and from 4:00 P.M. to 5:30 P.M. and during off work hours. Only one lane of Kuhio Highway shall be closed at any other time.
9. Material items designated to be salvaged shall be hauled away and neatly stockpiled at the State's baseyard, Kahau Road, Kapaa.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Kenneth F. Blaw
Signature
1-30-73

Sta. -1+33 to 45+55.03, Construct New A.C. Pavement. See Typical Roadway Sections.

For New Reinforced Conc. Drop Driveways. See Schedule Sheet No 8

For New Concrete Sidewalks & Curbing See Schedule Sheet No 9.

For Grassing Schedule See Sht. No 10.

For Detailed Plan of Kukui Street Intersection, See Sheet No 9.

Sta. 15+00, 0.6 25' Lt.
Construct Type "C" C.B.#B-1-A
Top Elev. = 8.42
Inv. Elev. = 3.67

② CURVE DATA
Δ = 12° 12' 00"
R = 500.00'
Ch = 106.26'
Lc = 106.41'
T = 53.44'

Sta. 18+15, 0.6 25' Lt.
Construct Type "D" C.B.#B-2-A
Top Elev. = 8.81
Inv. Elev. = 3.70

Sta. 20+50, 0.6 25' Lt.
Construct Type "C" C.B.#B-3-A
Top Elev. = 8.14
Inv. Elev. = 2.05

Typical New A.C. Driveway 6" Base Course 2" A.C. Mix No. V.

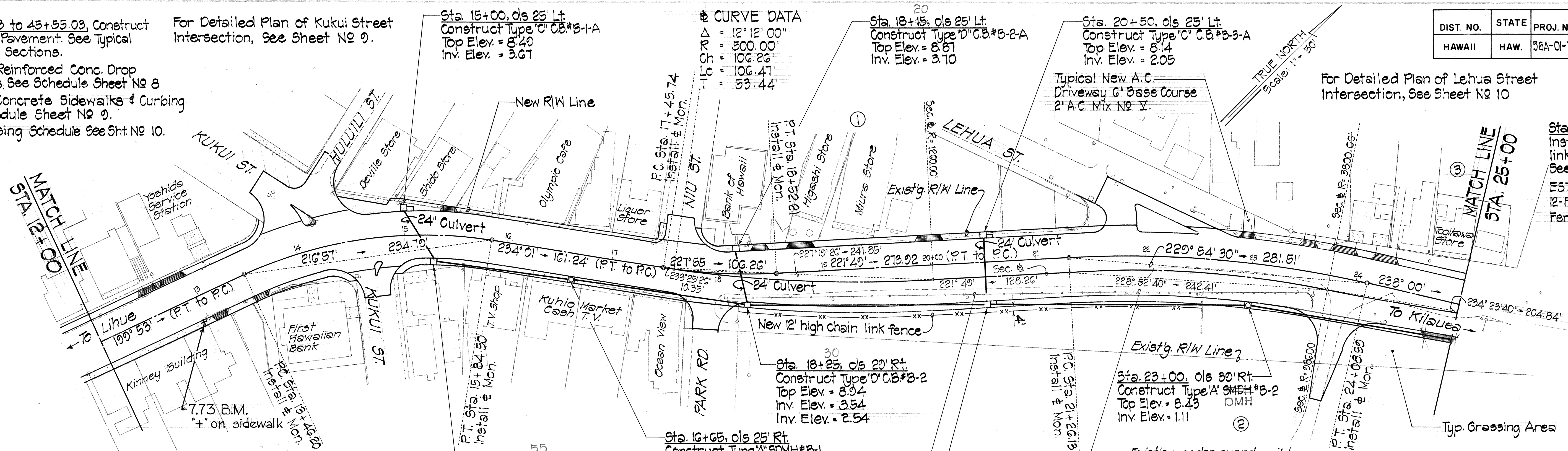
For Detailed Plan of Lehua Street Intersection, See Sheet No 10

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36A-01-74	1974	3	53

Sta. 18+15 to 22+54 Rt.
Install New 12' high chain link fence. For details, See Sheet No 21

EST. QUANTITY:
12-Ft. High Chain Link Fence = 439 Lin. Ft.
429.5

PLAN	DATE	BY	CHKD.
NO.			



② CURVE DATA
Δ = 34° 08' 00"
R = 400.00'
Ch = 234.79'
Lc = 238.90'
T = 122.80'

Sta. 15+25, 0.6 25' Rt.
Construct Type "D" C.B.#B-1
Top Elev. = 8.36
Inv. Elev. = 3.44
3.34

For Detailed Plan of Niu Street Intersection, See Sheet No 12

Exist'g. chain link fence to be removed and salvaged (370')

Sta. 20+50, 0.6 40' Rt.
Construct Type "D" C.B.#B-3
Top Elev. = 8.24
Inv. Elev. = 1.86

Exist'g. wooden guard rail & posts to be removed and salvaged (200')

② CURVE DATA
Δ = 16° 11' 00"
R = 1000.00'
Ch = 281.51'
Lc = 282.43'
T = 142.17'

SECONDARY ② CURVE DATA

①	②	③
Δ = 11° 52' 00"	Δ = 14° 07' 20"	Δ = 03° 05' 20"
R = 1260.00'	R = 986.00'	R = 3800.00'
Ch = 241.85'	Ch = 242.41'	Ch = 204.84'
Lc = 242.22'	Lc = 243.08'	Lc = 204.86'
T = 121.48'	T = 122.13'	T = 102.46'

For Catch Basin Estimated Quantities See Schedule Sheet No 5.

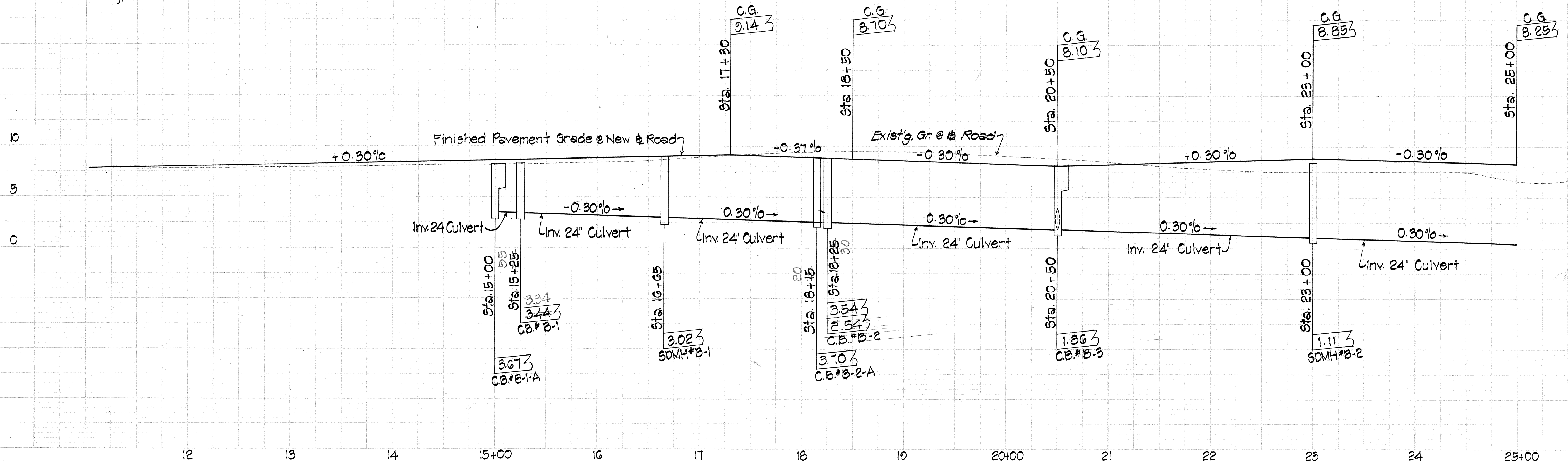
For Culvert Schedule and Estimated Quantities See Sheet No 7.

For New A.C. Driveway Schedule and Est. Quantities, See Sheet No 8.

For Details of Types "B", "C" and "D" Catch Basins, See Sheet No 28.

For Details of Type "A" SDMH, See Sht. No 29.

PROFILE	DATE	BY	CHKD.
NO.			



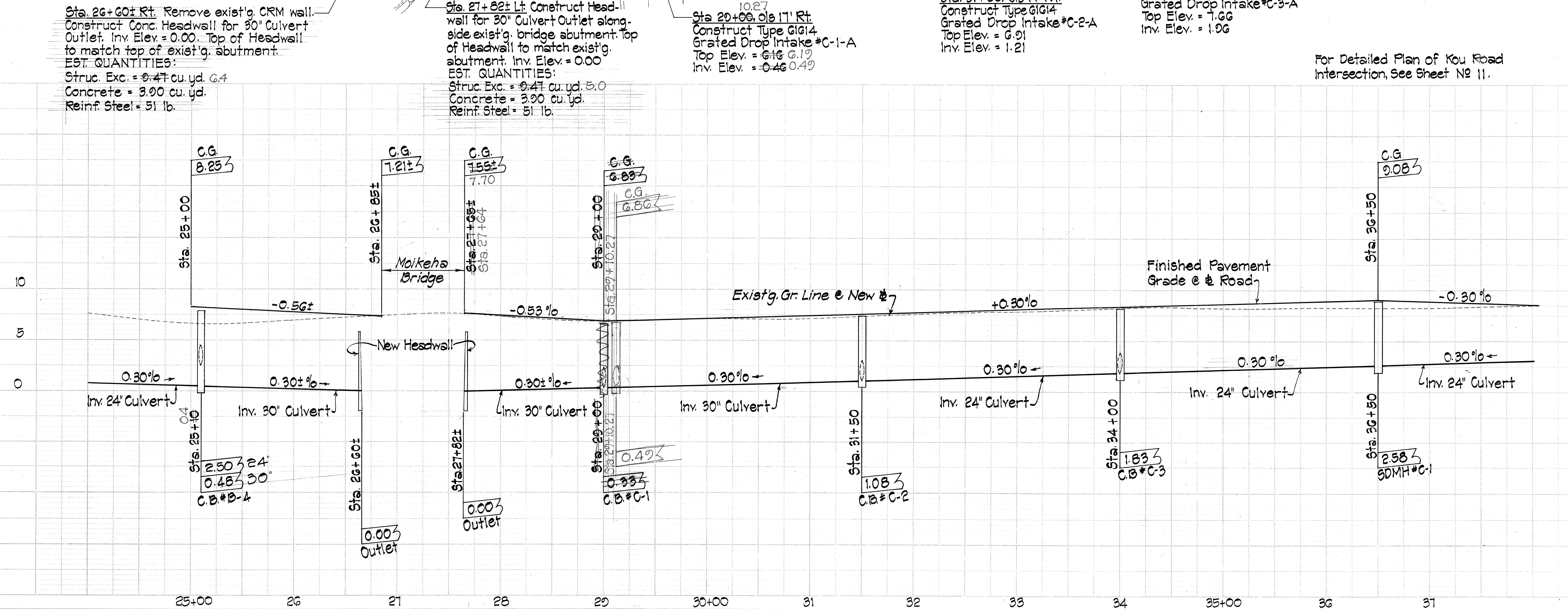
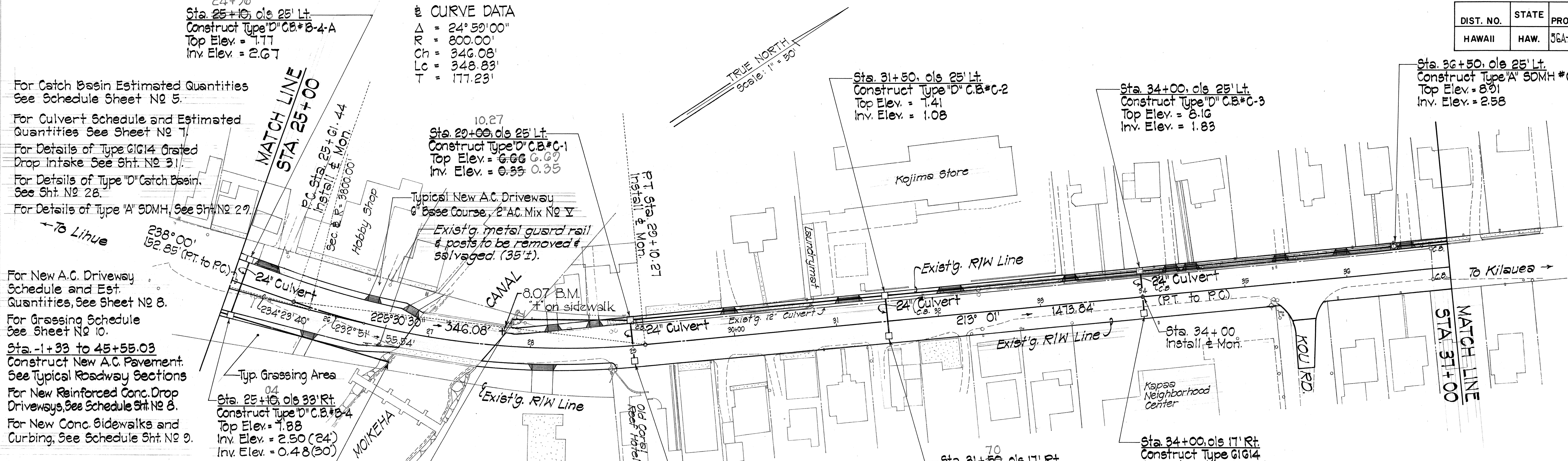
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Kenneth F. Ibarra
Signature
7-30-73

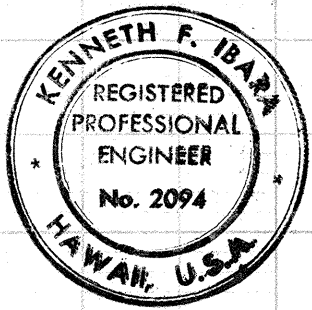
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36A-01-74	1974	4	53

PLAN	DATE
BY	
CHECKED	
NOTED	
NO. 1	

PROFILE	DATE
BY	
CHECKED	
NOTED	
NO. 1	



For Detailed Plan of Kou Road
Intersection, See Sheet No. 11.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Kenneth F. Ima
Signature
7-30-73

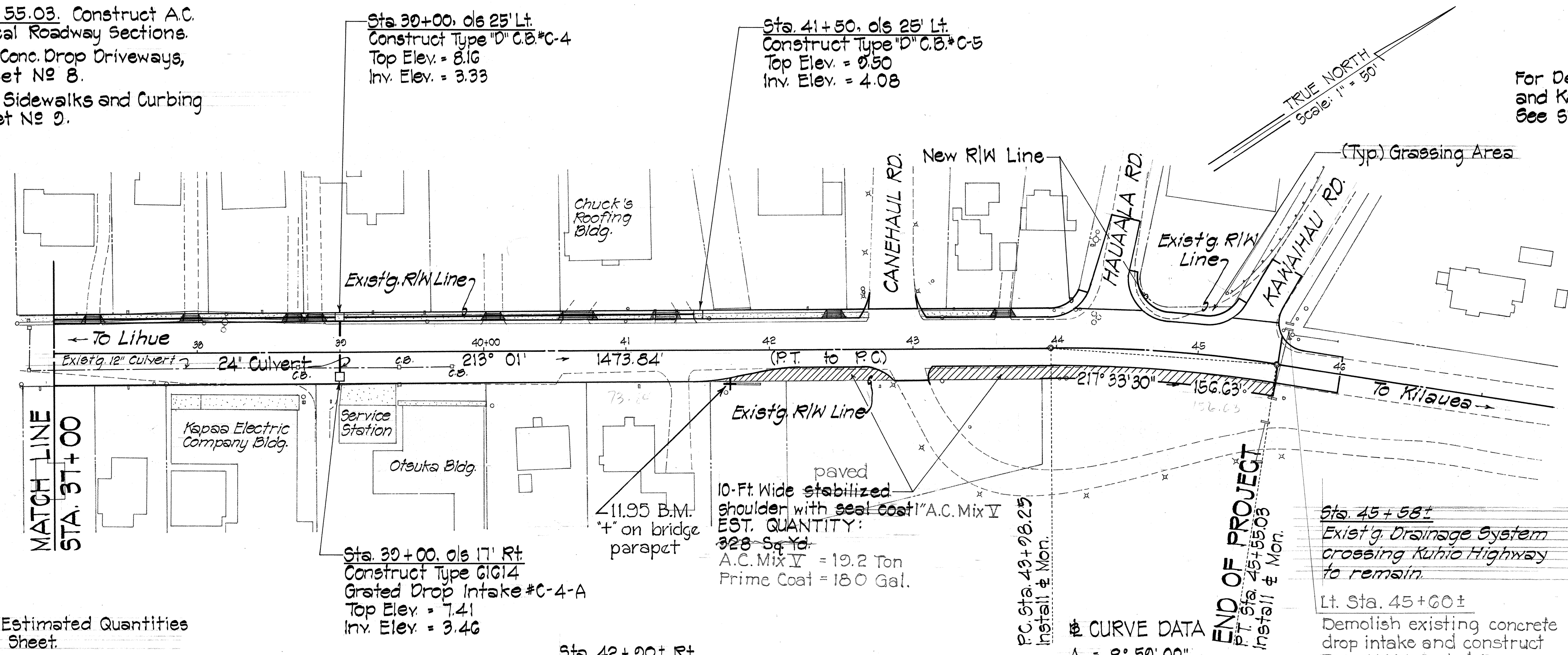
Sta. -1+33 to 45+55.03. Construct A.C. Pavement. See Typical Roadway Sections. For New Reinforced Conc. Drop Driveways, See Schedule Sheet No. 8. For New Concrete Sidewalks and Curbing See Schedule Sheet No. 9.

Sta. 30+00, d/s 25' Lt.
Construct Type "D" C.B.*C-4
Top Elev. = 8.16
Inv. Elev. = 3.33

Sta. 41+50, d/s 25' Lt.
Construct Type "D" C.B.*C-5
Top Elev. = 4.50
Inv. Elev. = 4.08

For Detailed Plan of Hauaala and Kawaihau Rd. Intersection See Sheet No. 12.

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36A-01-74	1974	5	53



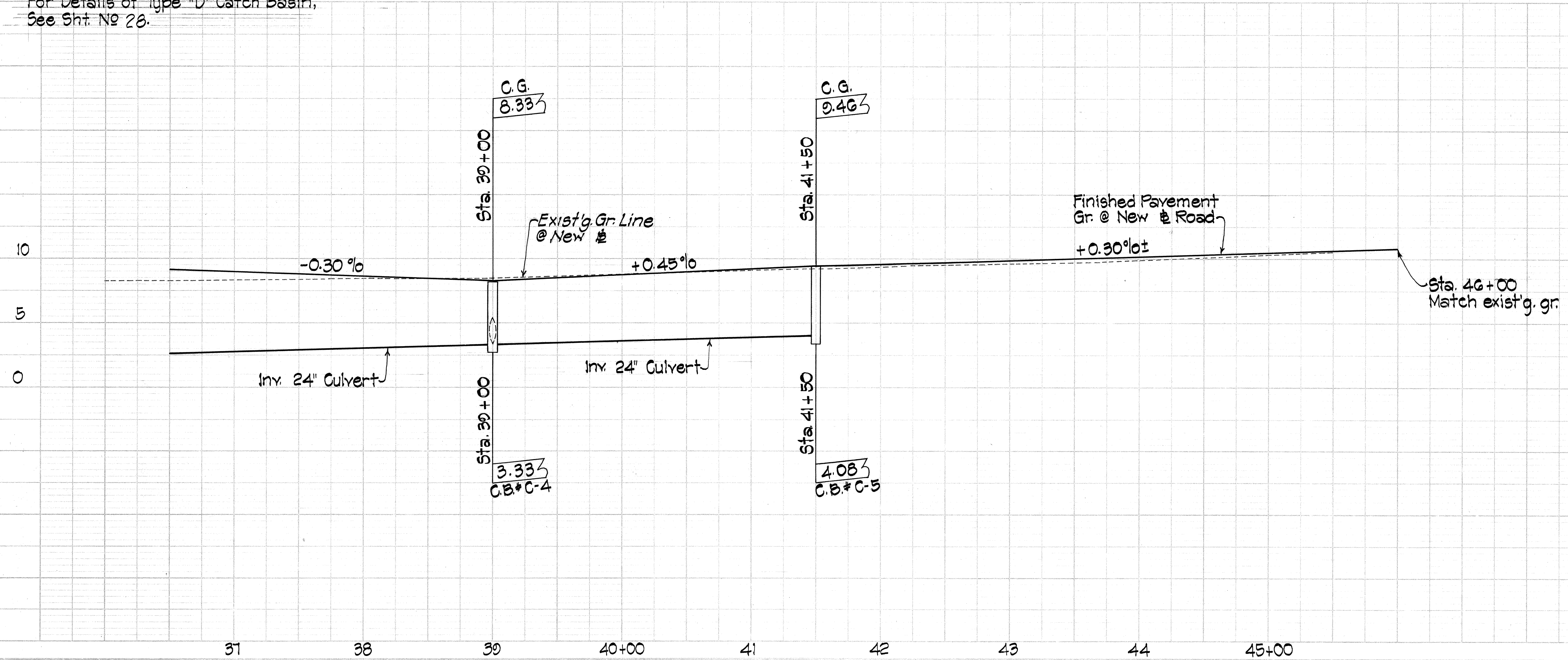
For Catch Basin Estimated Quantities See Schedule this Sheet.
For Culvert Schedule and Estimated Quantities See Sheet No. 7.
For Details of Type GIG14 Grated Drop Intake, See Sht. No. 31.
For Details of Type "D" Catch Basin, See Sht. No. 28.

Sta. 30+00, d/s 17' Rt.
Construct Type GIG14
Grated Drop Intake #C-4-A
Top Elev. = 7.41
Inv. Elev. = 3.46

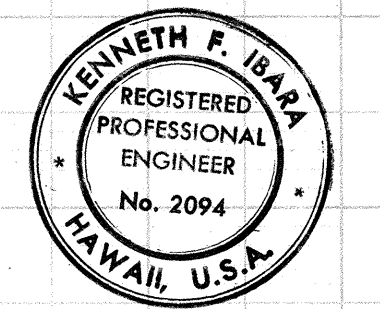
Sta. 42+00± Rt.
Construct 1" A.C. Overlay,
Mix No. Y to R/W Line.
EST. QUANTITIES:
A.C. Mix No. Y = 1 ton
Tack Coat = 14 gal.

CURVE DATA
Δ = 8° 59' 00"
R = 1000.00'
Ch = 156.63'
LC = 156.78'
T = 78.56'

Sta. 45+58±
Exist'g. Drainage System crossing Kuhio Highway to remain.
Lt. Sta. 45+60±
Demolish existing concrete drop intake and construct Type GIG14 Grated Drop Intake (C.C.O. #7)
Struc. Exc. = 2.7 c.y.
Concrete = 1.62 c.y.



CATCH BASIN ESTIMATED QUANTITIES					
SDMH NUMBER	TYPE	REINF. STEEL lbs.	CONC. Cu. Yd.	EXC. Cu. Yd.	TYPE - CAST IRON FRAME & COVER
A-1	A	152.8166	4.65 5	16.116	A
B-1	A	152.8166	3.35 4	10.412	A
B-2	A	152.8166	4.20 4	13.713	A
C-1	A	152.8166	3.67 4	12.013	A
C. B. NUMBER	TYPE	REINF. STEEL lbs.	CONC. Cu. Yd.	EXC. Cu. Yd.	TYPE-CAST IRON FRAME & COVER
A-5-A	D	75.0377	5.51 8	20.620	B
A-5	D	75.0377	6.57 8	26.719	B
A-4-A	D	75.0377	4.20 6	20.119	B
A-4	D	75.0377	6.14 6	21.310	B
A-3-A	D	75.0377	3.66 5	8.914	B
A-3	D	75.0377	5.28 5	16.014	B
A-2-A	D	75.0377	3.74 4	12.410	B
A-2	D	75.0377	3.66 4	12.711	B
A-1-A	D	75.0377	3.67 3	11.010	B
A-1	B	108.3108	5.31 4	16.711	B
B-1-A	C	108.3108	6.30 5	16.810	B
B-1	D	75.0377	4.49 4	14.713	B
B-2-A	D	75.0377	4.61 5	16.116	B
B-2	D	75.0377	5.42 6	22.717	B
B-3-A	C	108.3108	7.16 6	22.920	B
B-3	B	108.3108	6.97 7	25.021	B
B-4-A	D	75.0377	5.01 6	14.415	B
B-4	D	75.0377	6.02 6	17.815	B
C-1-A	GIG14	27.2025	2.80 3	11.711	Steel Frame and Grate
C-1	D	75.0377	5.02 6	19.212	B
C-2-A	GIG14	27.2025	3.07 3	11.110	Steel Frame and Grate
C-2	D	75.0377	5.07 6	20.114	B
C-3-A	GIG14	27.2025	3.12 3	11.310	Steel Frame and Grate
C-3	D	75.0377	5.29 6	19.616	B
C-4-A	GIG14	27.2025	2.66 2	2.311	Steel Frame and Grate
C-4	D	75.0377	4.50 5	17.214	B
C-5	D	75.0377	5.07 5	17.114	B
TOTAL		2,659 lb.	154 cu. yd.	435 cu. yd.	
		2,470.09	146.5	505.9	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Kenneth F. Shara
Signature
1-30-73