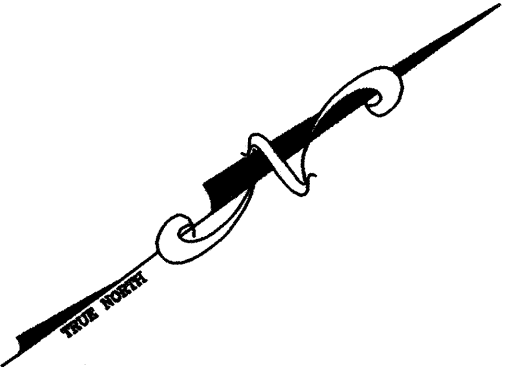
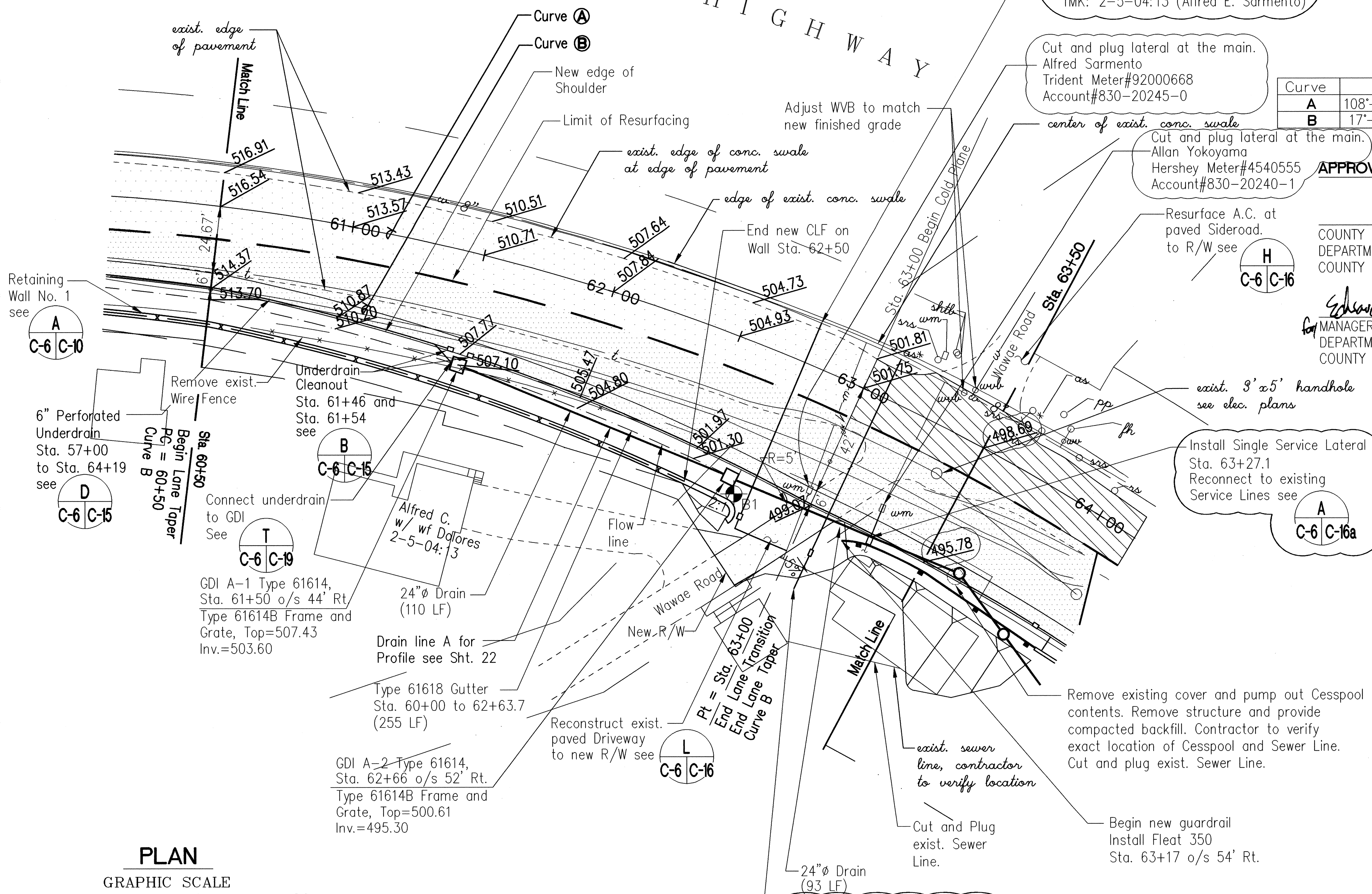


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(17)	2000	8	72



KAUMUALII HIGHWAY



Curve Data

Curve	Δ	$\Delta/2$	R	T	C	L _c
A	108°-27'-29"	54°-13'-44.5"	800.00'	1110.41'	1298.18'	1514.36'
B	17°-11'-58"	8°-35'-60"	800.00'	120.98'	239.25'	240.15'

APPROVED:

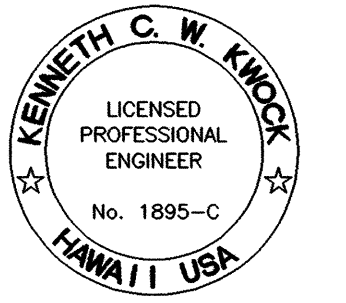
Springer
COUNTY ENGINEER FOR WORK WITHIN COUNTY R/W
DEPARTMENT OF PUBLIC WORKS
COUNTY OF KAUAI
Edmund Kechapp
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

4/28/00
DATE

RE-CERTIFIED:

Edmund Kechapp
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

01/29/02
DATE



Note: Contractor to relocate all interior plumbing to new meter. D.O.W. to transfer meter only.

Kenneth C. W. Knox
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

5/20/02	REMOVE EXIST. A.C. ON BRIDGE DECK AND REVISE ROAD GRADES
1/18/02	DOW RE-CERTIFICATION
11/2/01	REVISED GUTTER TYPE AND ELEV. FROM STA. 60+50 TO STA. 62+66
DATE	REVISION

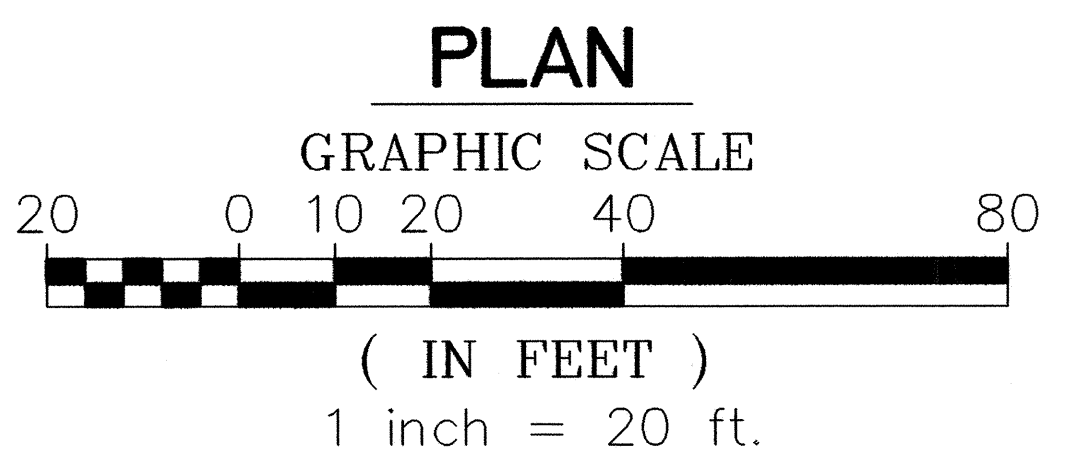
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

KAUMUALII HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD

FED. AID PROJ. No. STP-050-1(17)
DATE: 10/8/99

SHEET No. C-6 OF 38 SHEETS



RE-CERTIFIED:

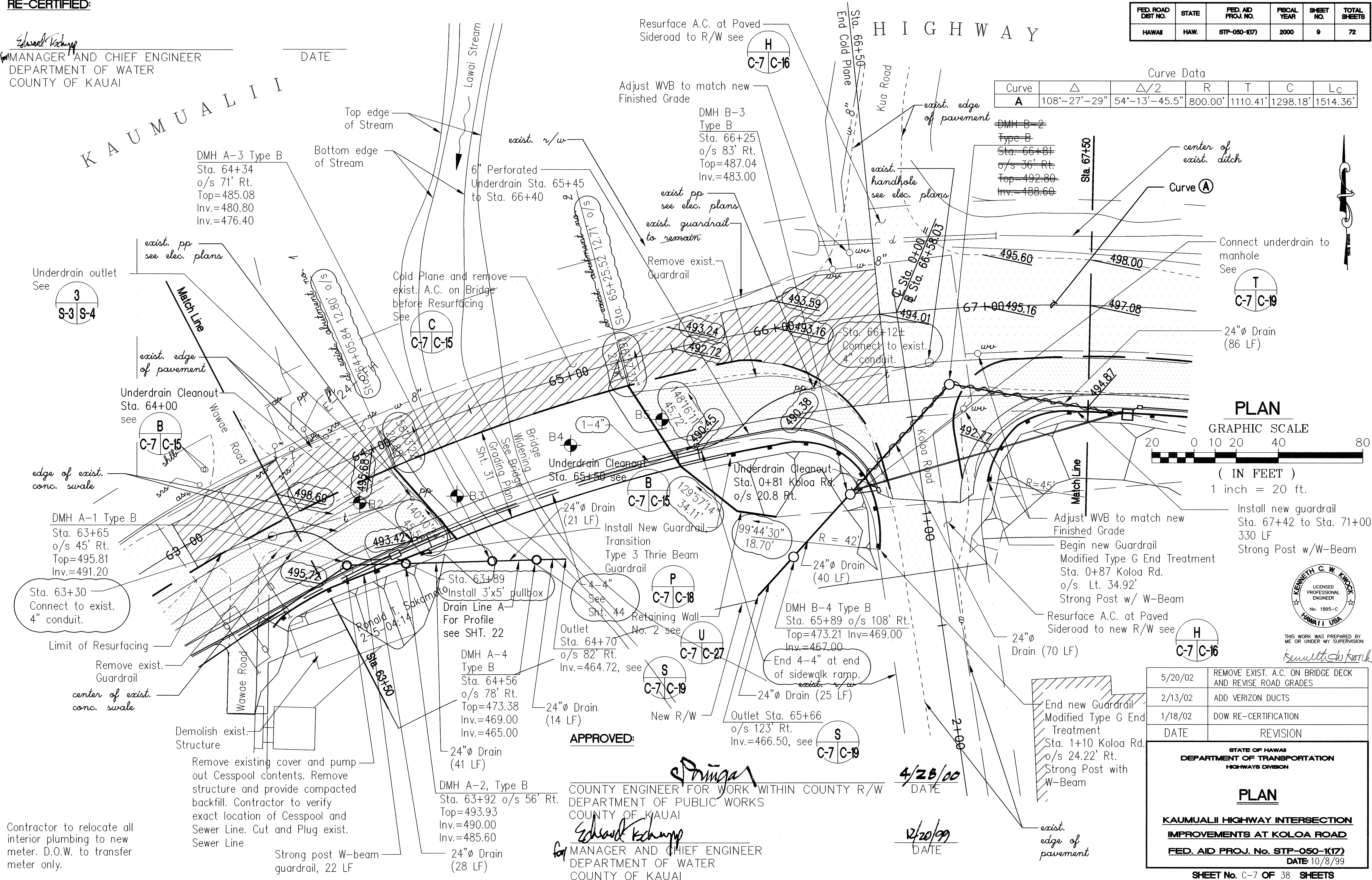
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(17)	2000	9	72

Curve Data

Curve	Δ	$\Delta/2$	R	T	C	L_c
A	108°-27'-29"	54°-13'-45.5"	800.00'	1110.41'	1298.18'	1514.36'



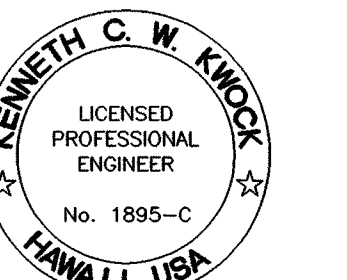
PLAN

GRAPHIC SCALE



(IN FEET)

1 inch = 20 ft.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Kenneth C. W. Knock

5/20/02	REMOVE EXIST. A.C. ON BRIDGE DECK AND REVISE ROAD GRADES
2/13/02	ADD VERIZON DUCTS
1/18/02	DOW RE-CERTIFICATION
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

KAUMUALI HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD

FED. AID PROJ. No. STP-050-1(17)
DATE: 10/8/99

SHEET No. C-7 OF 38 SHEETS

"AS-BUILT"

C.O. 9

APPROVED:

COUNTY ENGINEER FOR WORK WITHIN COUNTY R/W
DEPARTMENT OF PUBLIC WORKS
COUNTY OF KAUAI

MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

4/28/00
DATE

12/20/99
DATE

Note: Contractor to relocate all interior plumbing to new meter. D.O.W. to transfer meter only.

Remove existing cover and pump out Cesspool contents. Remove structure and provide compacted backfill. Contractor to verify exact location of Cesspool and Sewer Line

Strong post W-beam guardrail, 22 LF

DMH A-2, Type B
Sta. 63+92 o/s 56' Rt.
Top=493.93
Inv.=490.00
Inv.=485.60

24"Ø Drain (28 LF)

DMH A-4 Type B
Sta. 64+56 o/s 78' Rt.
Top=473.38
Inv.=469.00
Inv.=465.00

24"Ø Drain (41 LF)

Sta. 63+89
Install 3'x5' gullbox
Drain Line A
For Profile
see SHT. 22

Outlet Sta. 64+70 o/s 82' Rt.
Inv.=464.72, see

24"Ø Drain (14 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)
Install New Guardrail
Transition Type 3 Thrie Beam Guardrail

Retaining Wall No. 2 see

New R/W

DMH B-4 Type B
Sta. 65+89 o/s 108' Rt.
Top=473.21
Inv.=469.00
Inv.=467.00

End 4-4" at end of sidewalk ramp.

24"Ø Drain (25 LF)

Outlet Sta. 65+66 o/s 123' Rt.
Inv.=466.50, see

24"Ø Drain (25 LF)

Underdrain Cleanout Sta. 0+81 Koloa Rd. o/s 20.8 Rt.

24"Ø Drain (40 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

24"Ø Drain (21 LF)

Underdrain Cleanout Sta. 65+50 See

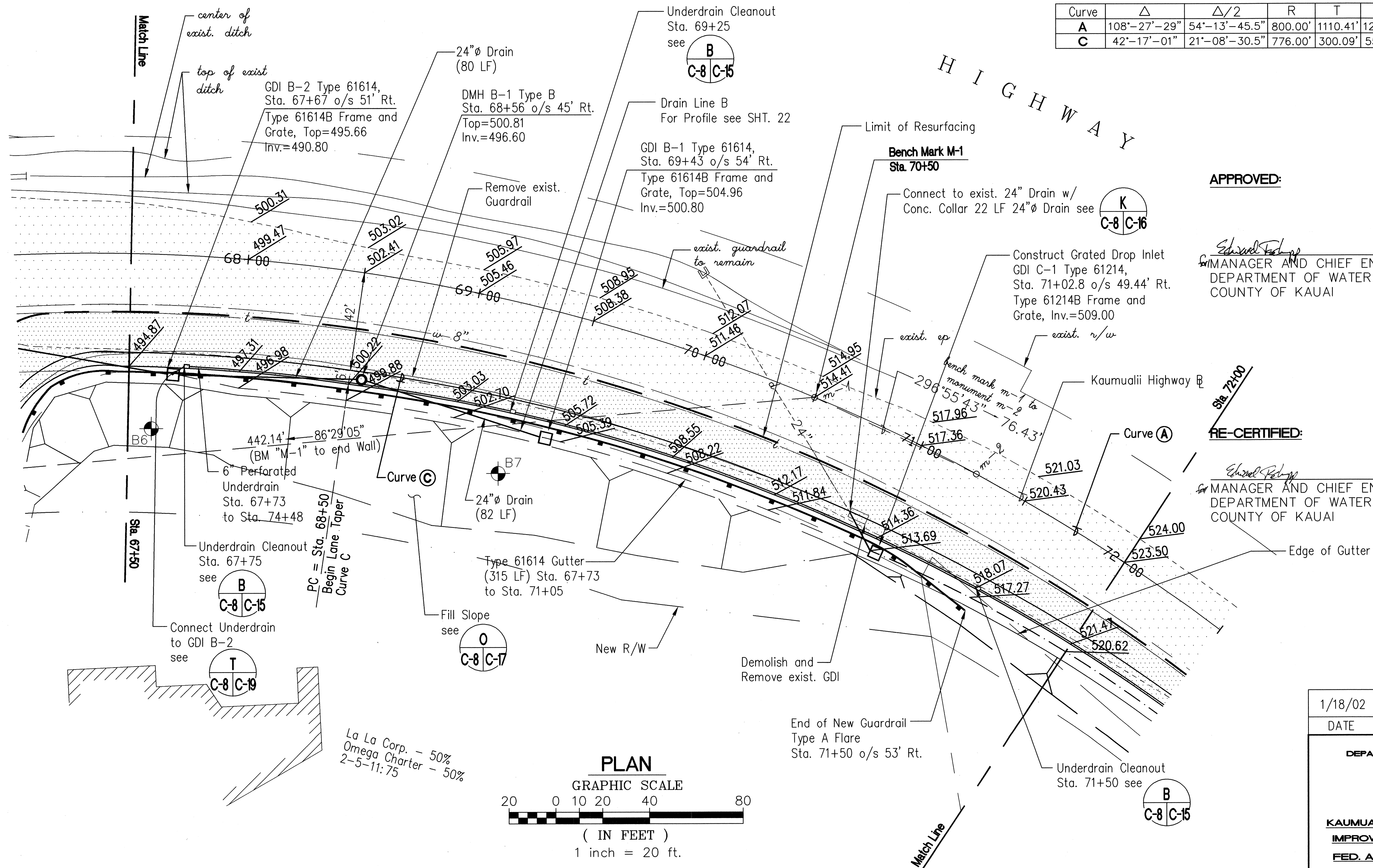
24"Ø Drain (21 LF)

Underdrain Clean

KAUMUALII

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-K17	2000	10	72

Curve Data					
Curve	Δ	$\Delta/2$	R	T	L_c
A	108°-27'-29"	54°-13'-45.5"	800.00'	1110.41'	1298.18'
C	42°-17'-01"	21°-08'-30.5"	776.00'	300.09'	559.77'



APPROVED:

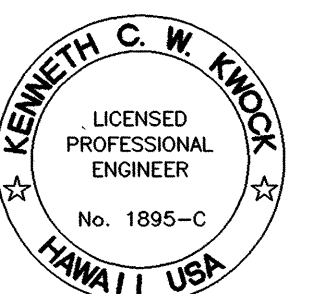
Edward P. Kelly
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

12/20/99
DATE

RE-CERTIFIED:

Edward P. Kelly
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

1/29/02
DATE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

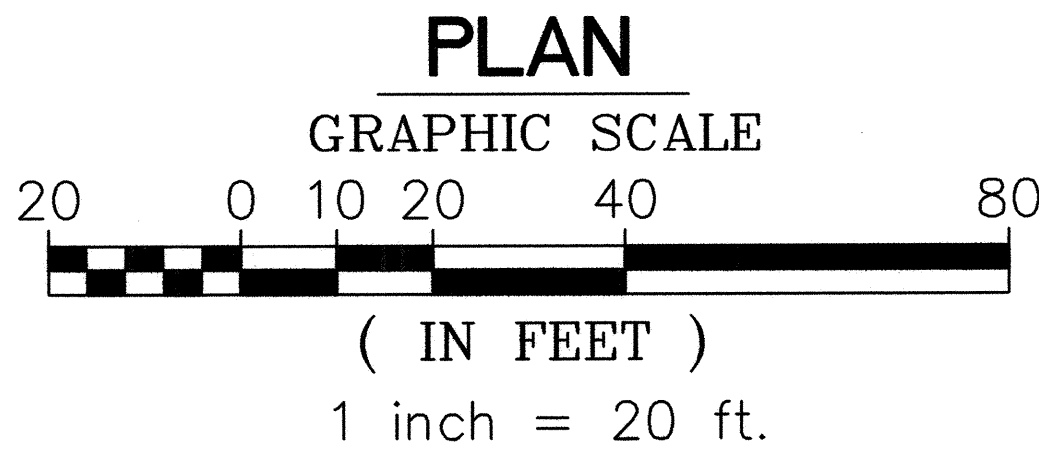
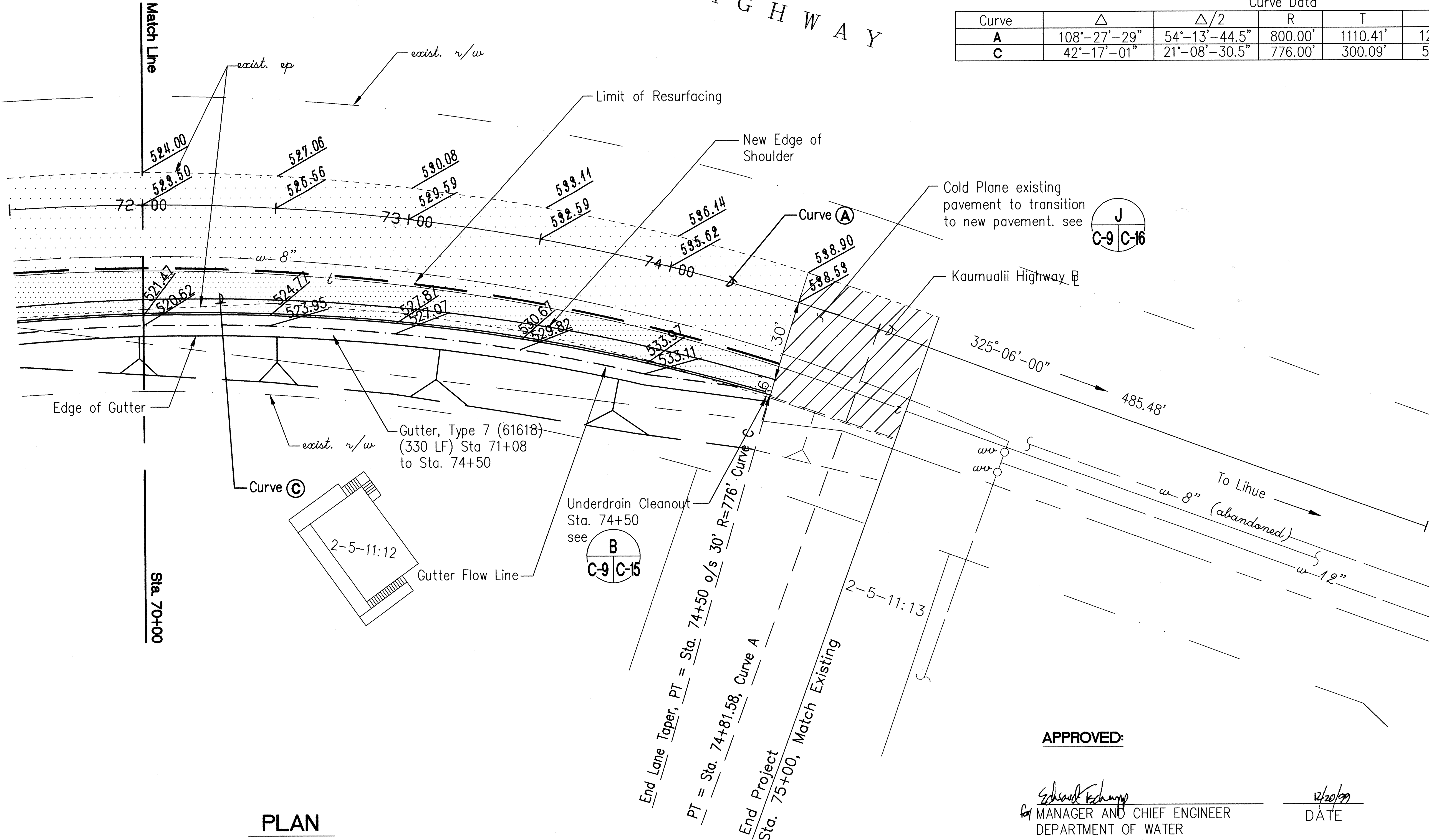
Kenneth C. W. Knox

1/18/02	DOW RE-CERTIFICATION
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLAN	
KAUMUALII HIGHWAY INTERSECTION IMPROVEMENTS AT KOLOA ROAD	
FED. AID PROJ. No. STP-050-K17 DATE: 10/8/99	
SHEET No. C-8 OF 38 SHEETS	

FED. ROAD DIST NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-050-1(17)	2000	11	72

K A U M U A L I I H I G H W A Y

Curve Data						
Curve	Δ	$\Delta/2$	R	T	C	L_c
A	108°-27'-29"	54°-13'-44.5"	800.00'	1110.41'	1298.18'	1514.36'
C	42°-17'-01"	21°-08'-30.5"	776.00'	300.09'	559.77'	572.70'



APPROVED:

Edward E. Knap
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

12/20/99
DATE

RE-CERTIFIED:

Edward E. Knap
MANAGER AND CHIEF ENGINEER
DEPARTMENT OF WATER
COUNTY OF KAUAI

1/29/02
DATE

1/18/02	DOW RE-CERTIFICATION
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

**KAUMUALII HIGHWAY INTERSECTION
IMPROVEMENTS AT KOLOA ROAD**

FED. AID PROJ. No. STP-050-1(17)
DATE: 10/8/99

SHEET No. C-9 OF 38 SHEETS



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Kenneth C. W. Knox