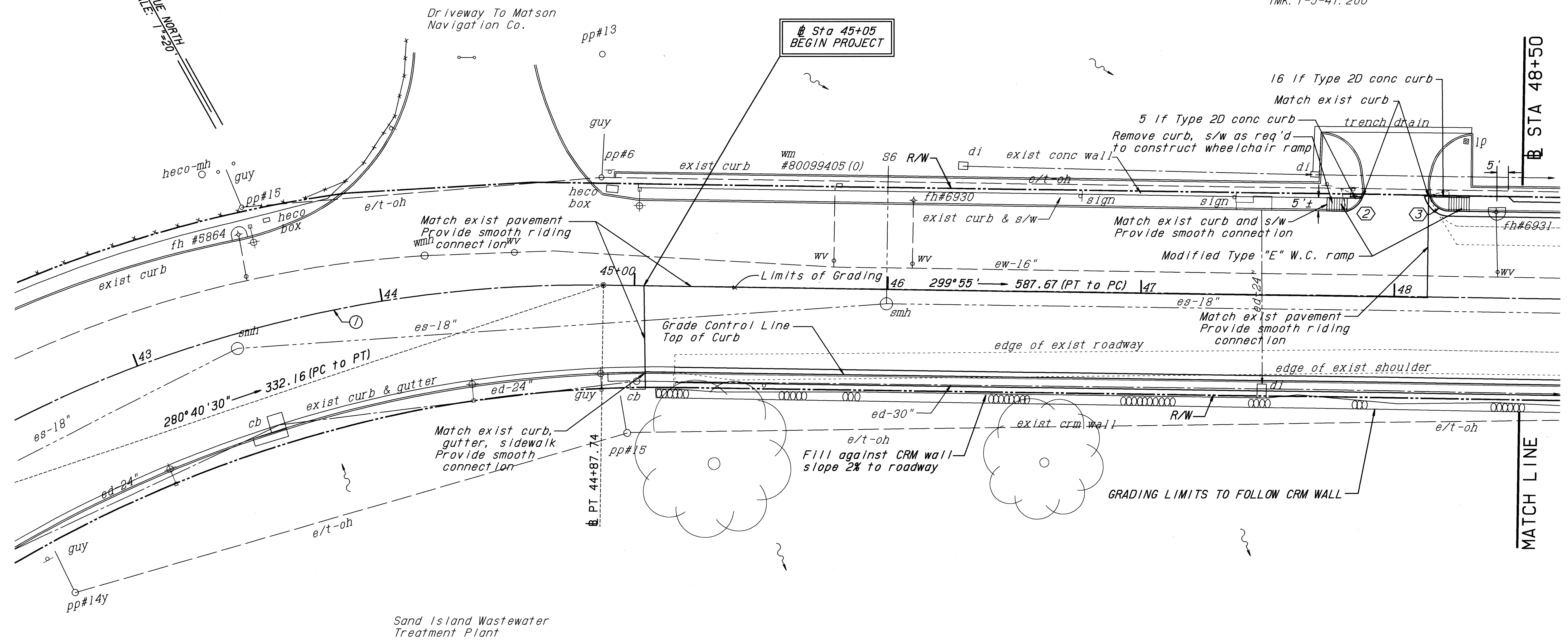


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	16	95

CURVE DATA

Baseline	Curve	
①	②	③
$\Delta = 38^{\circ}29'$	$50^{\circ}06'$	$75^{\circ}29'$
$\Delta/2 = 19^{\circ}14'30''$	$25^{\circ}03'$	$37^{\circ}33'20''$
$R = 503.96$	$9.2\pm$	$8.0\pm$
$T = 332.16$	7.79	9.79
$C = 175.91$	4.30	6.19
$Lc = 338.49$	8.04	10.54

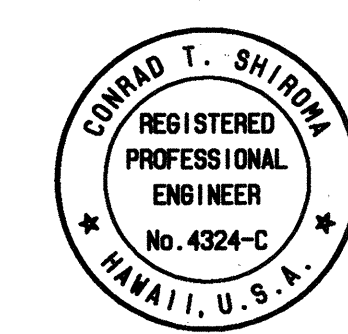
Sand Island
Container Yard
(Owner - DOT Harbors)
TMK: 1-5-41:200



DETAIL ROADWAY PLAN

SCALE: 1"=20'
(OWNER - HIGHWAYS)
(STATE OF HAWAII)

NOTE: REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.



APPROVED:
(FOR GRADING ONLY)
[Signature]
DATE: 7/16/93
CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL ROADWAY PLAN
STA 45+00 TO 48+50

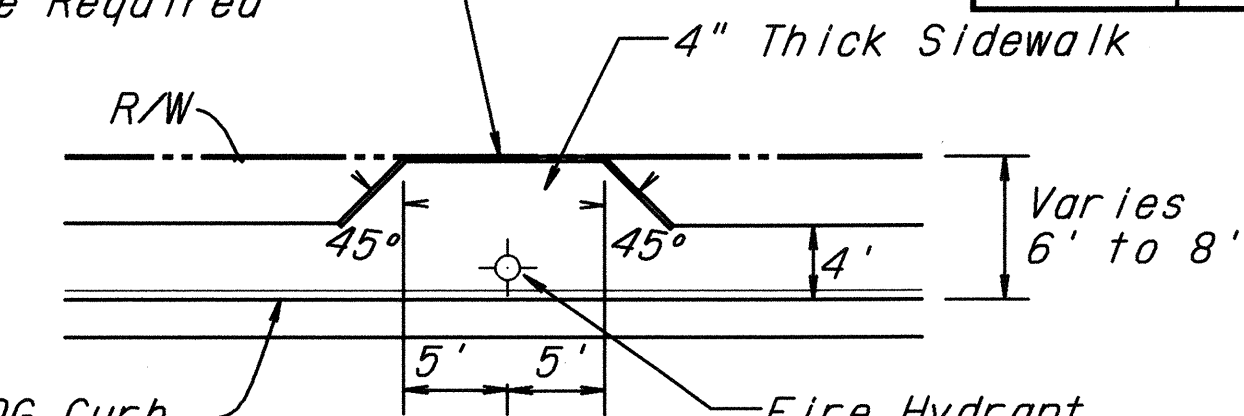
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

SCALE: 1" = 20' DATE: SEPT 1993

SHEET No. 11 OF 23 SHEETS

DATE	_____
DESIGNED BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____

SCALE: 1" = 10'

Type "A" Grade Adjustment-
Wall Where Required

CL Fence to remain

MATCH LINE

TRUE NORTH
SCALE: 1"=20'

	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰
$\Delta = 15^{\circ} 12'$		$14^{\circ} 29' 18''$	$56^{\circ} 33'$	$1^{\circ} 45' 36''$	$78^{\circ} 08' 19''$	$27^{\circ} 38' 36''$	$58^{\circ} 38' 36''$	$64^{\circ} 02' 21''$	$33^{\circ} 35' 12''$	$30^{\circ} 27' 09''$	$10^{\circ} 28' 24''$	$14^{\circ} 50' 11''$	$15^{\circ} 12' 00''$	$15^{\circ} 12' 00''$
$\Delta/2 = 7^{\circ} 36'$		$7^{\circ} 14' 39''$	$28^{\circ} 16' 30''$	$0^{\circ} 22' 48''$	$39^{\circ} 04' 09''$	$13^{\circ} 49' 18''$	$29^{\circ} 19' 18''$	$32^{\circ} 01' 10''$	$16^{\circ} 47' 36''$	$15^{\circ} 13' 34''$	$5^{\circ} 14' 12''$	$7^{\circ} 25' 51''$	$7^{\circ} 36' 00''$	$7^{\circ} 36' 00''$
$R = 1, 675.88$		45.00	26.00	1, 579.17	30.00	30.00	30.00	25.00	25.00	25.00	1, 579.17	1, 310.81	1, 360.22	1, 530.24
$C = 443.29$		11.35	24.63	48.50	37.82	14.33	29.38	26.51	14.45	13.13	288.26	338.48	359.80	404.77
$T = 223.61$		5.72	13.98	24.25	24.35	7.38	16.85	15.63	7.54	6.80	144.73	170.67	181.49	204.18
$Lc = 444.59$		11.38	25.66	48.50	40.91	14.47	30.71	27.94	14.65	13.29	288.66	339.43	360.85	405.96

(FOR GRADING ONLY)

P. D. O. W. S. Singh 7/16/9

CHIEF, DIVISION OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY & COUNTY OF HONOLULU

65 DATE

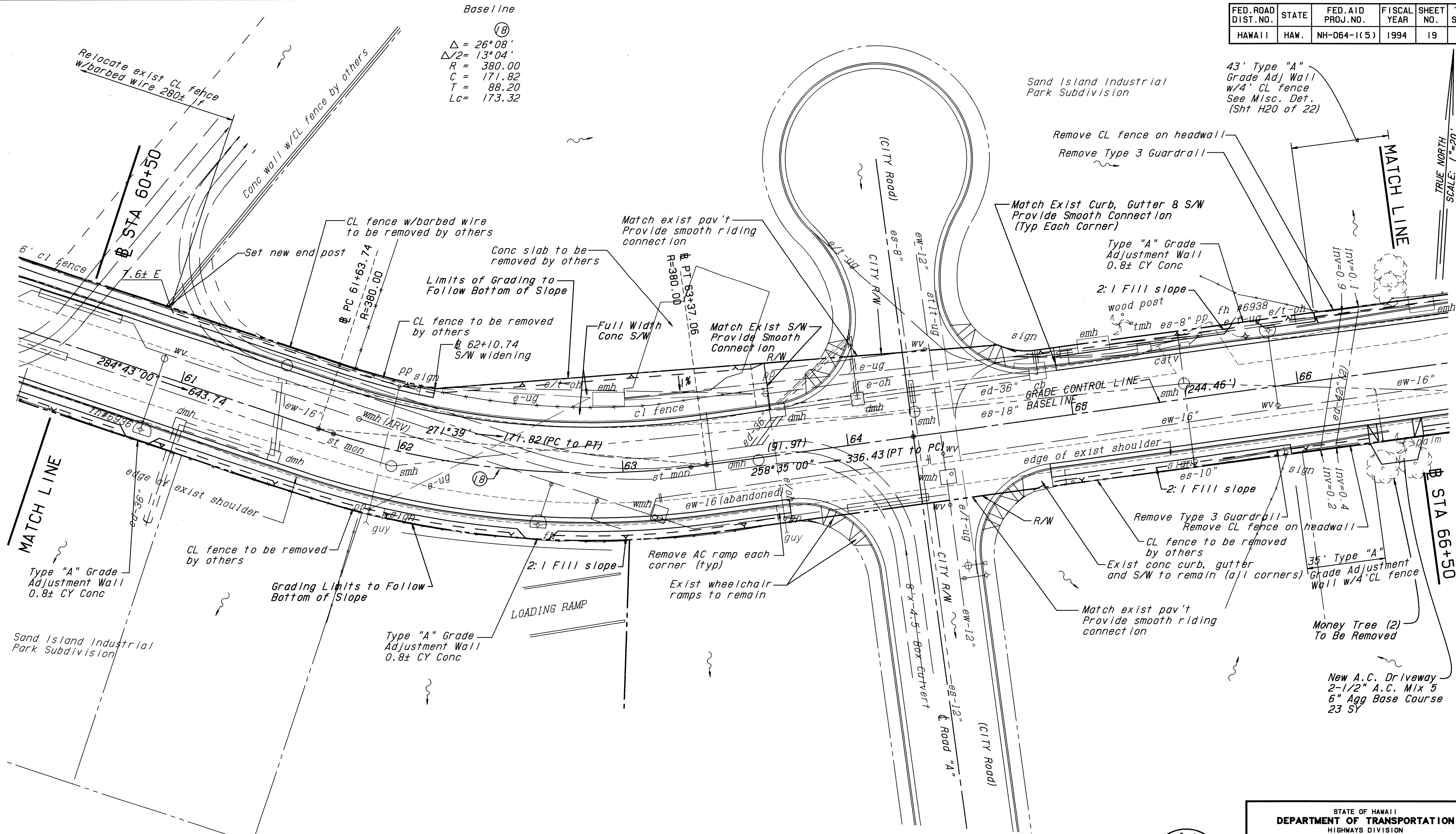
ME OR UNDER MY SUPERVISION.


CALVIN KIM & ASSOC., INC.

SHEET No.HI20F 23 SHEETS

18

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	19	95



DETAIL ROADWAY PLAN

SCALE: 1"=20'
(OWNER - HIGHWAYS)
(STATE OF HAWAII)

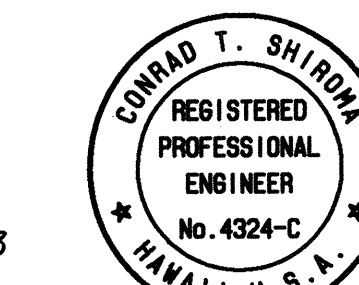
NOTE: REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.

APPROVED:
(FOR CONSTRUCTION WITHIN CITY R/W ONLY)

8/5/93
DATE
CHIEF, TRAFFIC ENGINEERING DIVISION
DEPARTMENT OF TRANSPORTATION SERVICES
CITY & COUNTY OF HONOLULU

APPROVED:
(FOR GRADING ONLY)

8/5/93
DATE
CHIEF, DIVISION OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY & COUNTY OF HONOLULU



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

8/5/93
DATE
CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL ROADWAY PLAN STA 60+50 TO 66+50

SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

SCALE: 1" = 20' DATE: SEPT 1993

SHEET No. H140F 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	20	95

CURVE DATA

(19)

$\Delta = 43^\circ 53' 30''$
 $\Delta/2 = 21^\circ 56' 45''$
 $R = 380.00'$
 $C = 284.03'$
 $T = 153.11'$
 $L = 291.10'$

U.S. Coast Guard Station

$302^\circ 18' 20''$, 12.09
 Exist St Mon to PT

Sta 69+64.59 to 73+47
 Relocate CL fence w/barbed wire
 Provide temporary security along Coast Guard boundary when CL fence is down. Coordinate w/ Coast Guard. See Sht H22.
 Temporary fencing incidental to CL fence.
 Limits of Grading to follow Right-of-Way

STA 72+50

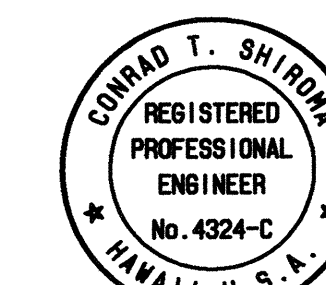
MATCH LINE

MATCH LINE

DETAIL ROADWAY PLAN

SCALE: 1"=20'
 (OWNER - HIGHWAYS)
 (STATE OF HAWAII)

NOTE: REMOVAL OF STRUCTURES AND OBSTRUCTIONS
 SHALL BE CONSIDERED INCIDENTAL TO THE
 VARIOUS CONTRACT ITEMS.



APPROVED:
 (FOR GRADING ONLY)
 [Signature]
 CHIEF, DIVISION OF ENGINEERING
 CITY & COUNTY OF HONOLULU

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 ME OR UNDER MY SUPERVISION.
 [Signature]
 CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DETAIL ROADWAY PLAN
STA 66+50 TO 72+50
 SAND ISLAND PARKWAY
 TREATMENT PLANT TO PARK ENTRANCE
 PROJECT NO. NH-064-1(5)
 SCALE: 1" = 20' DATE: SEPT 1993
SHEET No. H150F 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	21	95

CURVE DATA

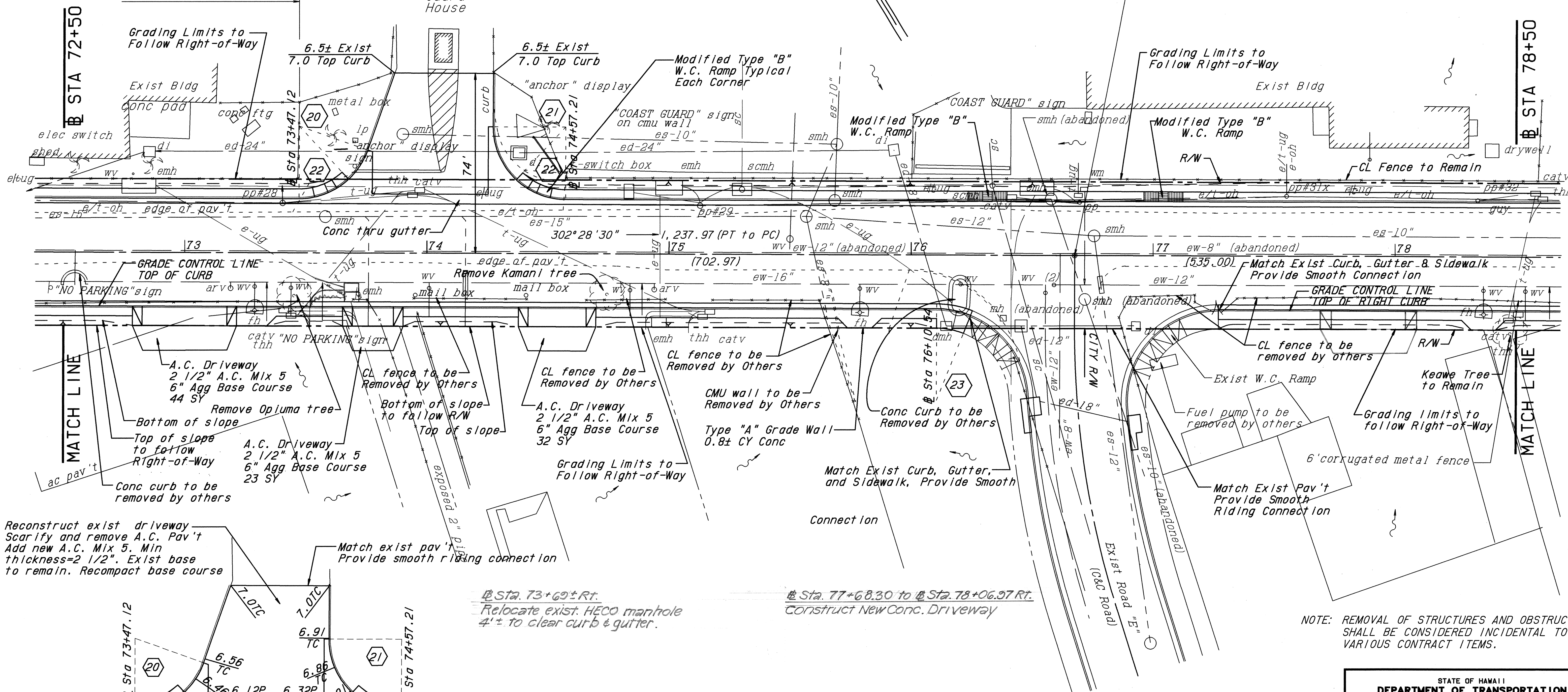
20	21	22	23
$\Delta = 70^\circ 49' 53"$	$90^\circ 00'$	$42^\circ 50' 13"$	$21^\circ 37' 40"$
$\Delta/2 = 35^\circ 24' 56.5"$	$45^\circ 00'$	$21^\circ 25' 06.5"$	$10^\circ 48' 50"$
$R = 30.00$	30.00	30.00	30.00
$C = 34.77$	42.43	11.77	7.26
$L = 37.09$	47.12	22.43	14.34

NOTE:
MAINTAIN ACCESS AT ALL
TIMES TO COAST GUARD BASE.
COORDINATE DRIVEWAY RECON-
STRUCTION WORK WITH THE
COAST GUARD.

Sta 69+64.59 to 73+47
Relocate CL fence w/barbed wire
Provide temporary security along Coast Guard
boundary when CL fence is down. Coordinate
w/ Coast Guard.

U.S. Coast Guard Station

TRUE NORTH
SCALE: 1"=20'



Reconstruct exist driveway
Scarify and remove A.C. Pav't
Add new A.C. Mix 5. Min
thickness=2 1/2". Exist base
to remain. Recompact base course

Match exist pav't
Provide smooth riding connection

Sta. 73+69± Rt.
Relocate exist. HECO manhole
4'± to clear curb & gutter.

Sta. 77+68.30 to # Sta. 78+06.97 Rt.
Construct New Conc. Driveway

NOTE: REMOVAL OF STRUCTURES AND OBSTRUCTIONS
SHALL BE CONSIDERED INCIDENTAL TO THE
VARIOUS CONTRACT ITEMS.

DRIVEWAY DETAIL - U.S. COAST GUARD

SCALE: 1"=20'

DETAIL ROADWAY PLAN

SCALE: 1"=20'
(OWNER - HIGHWAYS)
(STATE OF HAWAII)

APPROVED:
(FOR CONSTRUCTION WITHIN CITY R/W ONLY)

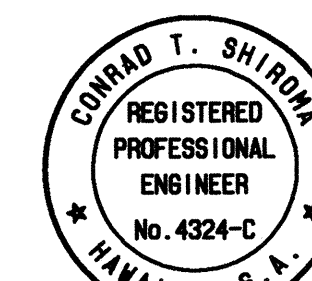
for *M. Oshes* 8/5/93
CHIEF, TRAFFIC ENGINEERING DIVISION
DEPARTMENT OF TRANSPORTATION SERVICES
CITY & COUNTY OF HONOLULU

APPROVED:
(FOR GRADING ONLY)

D. Oshes 8/5/93
CHIEF, DIVISION OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY & COUNTY OF HONOLULU

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ME OR UNDER MY SUPERVISION.

Calvin K.H. & Assoc., Inc.
DATE 8/5/93



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL ROADWAY PLAN STA 72+50 TO 78+50

SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

SCALE: 1" = 20' DATE: SEPT 1993

SHEET No. H160F 23 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	22	95

CURVE DATA

Baseline

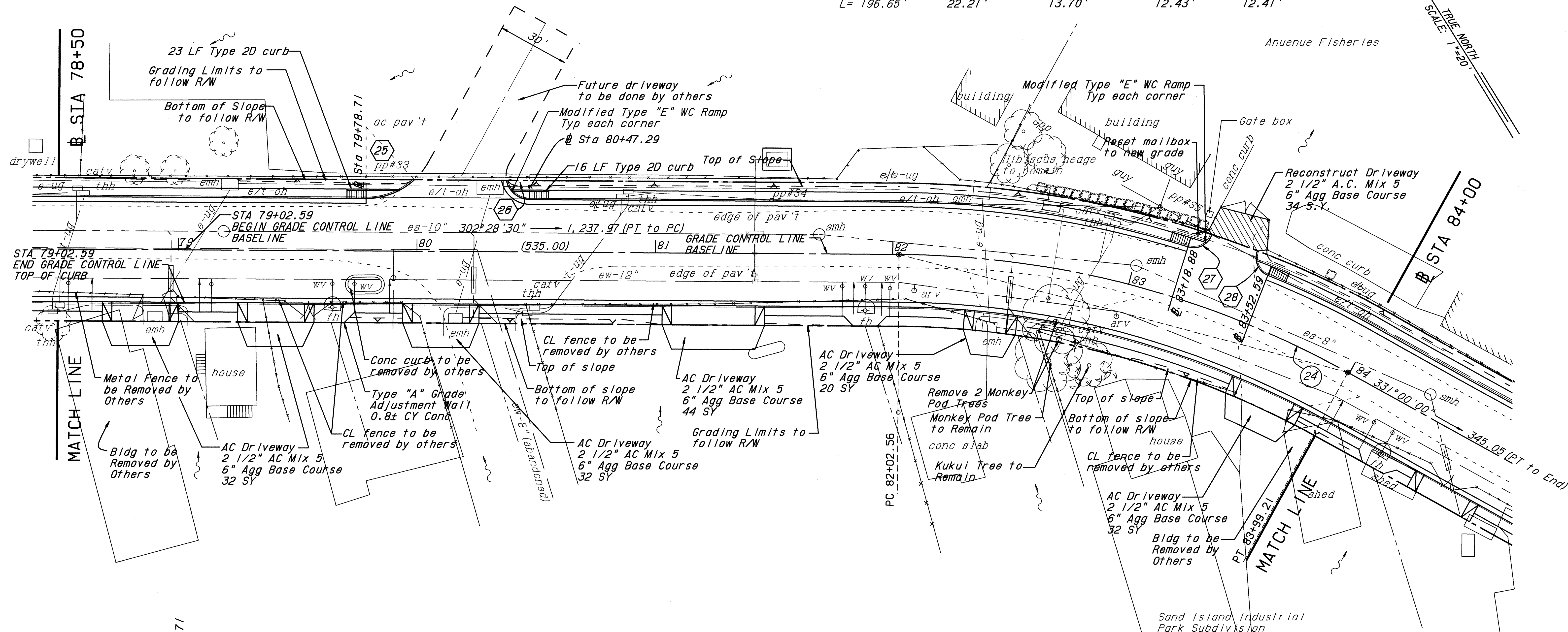
Curb

24	25	26	27	28
$\Delta = 28^{\circ} 31' 30''$	$42^{\circ} 25' 5.9''$	$78^{\circ} 28' 13.8''$	$88^{\circ} 59' 48''$	$88^{\circ} 51' 57''$
$\Delta/2 = 14^{\circ} 15' 45''$	$21^{\circ} 12' 32.9''$	$39^{\circ} 14' 6.9''$	$44^{\circ} 29' 54''$	$44^{\circ} 25' 58.5''$
$R = 395.00'$	$30.00'$	$10.00'$	$8.00'$	$8.00'$
$C = 194.63'$	$21.71'$	$12.65'$	$11.21'$	$11.20'$
$T = 100.41'$	$11.64'$	$8.17'$	$7.86'$	$7.84'$
$L = 196.65'$	$22.21'$	$13.70'$	$12.43'$	$12.41'$

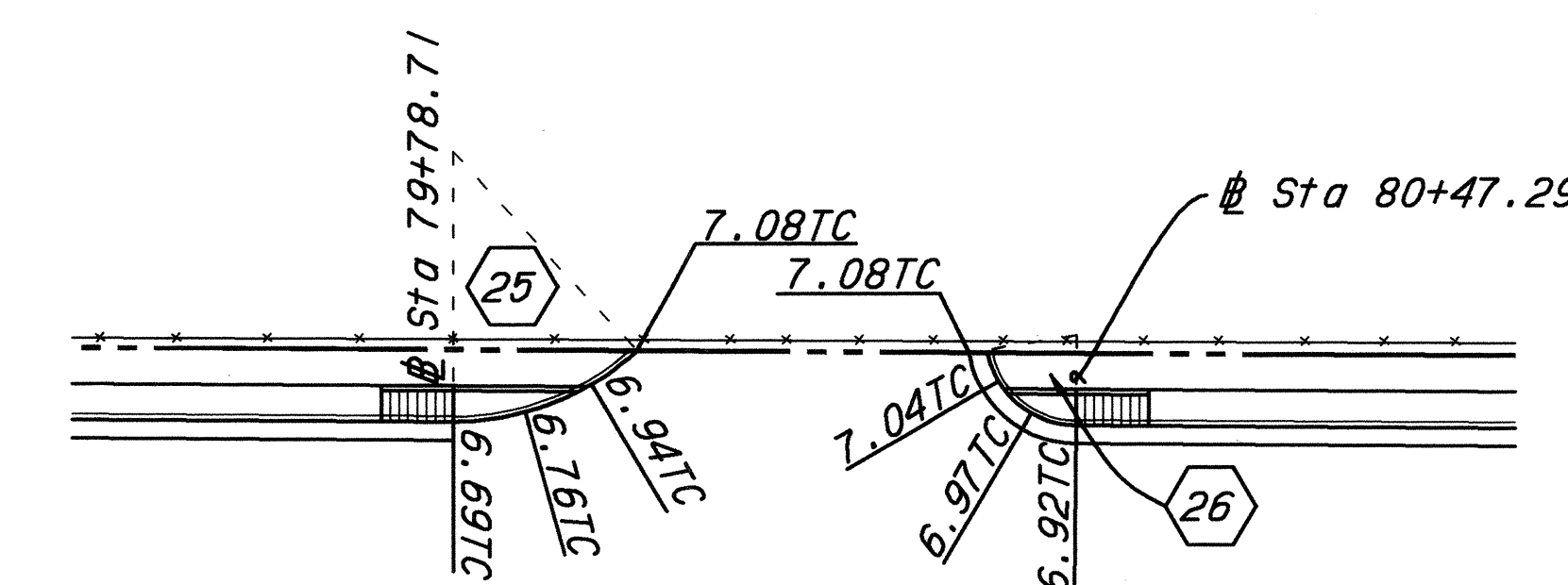
U.S. Coast Guard Station

Anuenue Fisheries

TRUE NORTH
SCALE: 1"=20'



NOTE: REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.

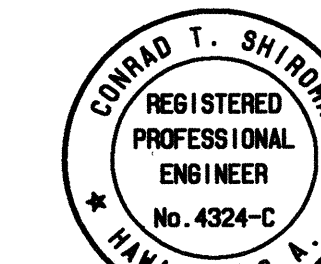


DRIVEWAY DETAIL - U.S. COAST GUARD

SCALE: 1"=20'

DETAIL ROADWAY PLAN

SCALE: 1"=20'
(OWNER - HIGHWAYS)
(STATE OF HAWAII)



APPROVED:
(FOR GRADING ONLY)

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ME OR UNDER MY SUPERVISION.

CHIEF, DIVISION OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY & COUNTY OF HONOLULU

CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL ROADWAY PLAN
STA 78+50 TO 84+00
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

SCALE: 1" = 20' DATE: SEPT 1993

SHEET No. H10F 23 SHEETS

