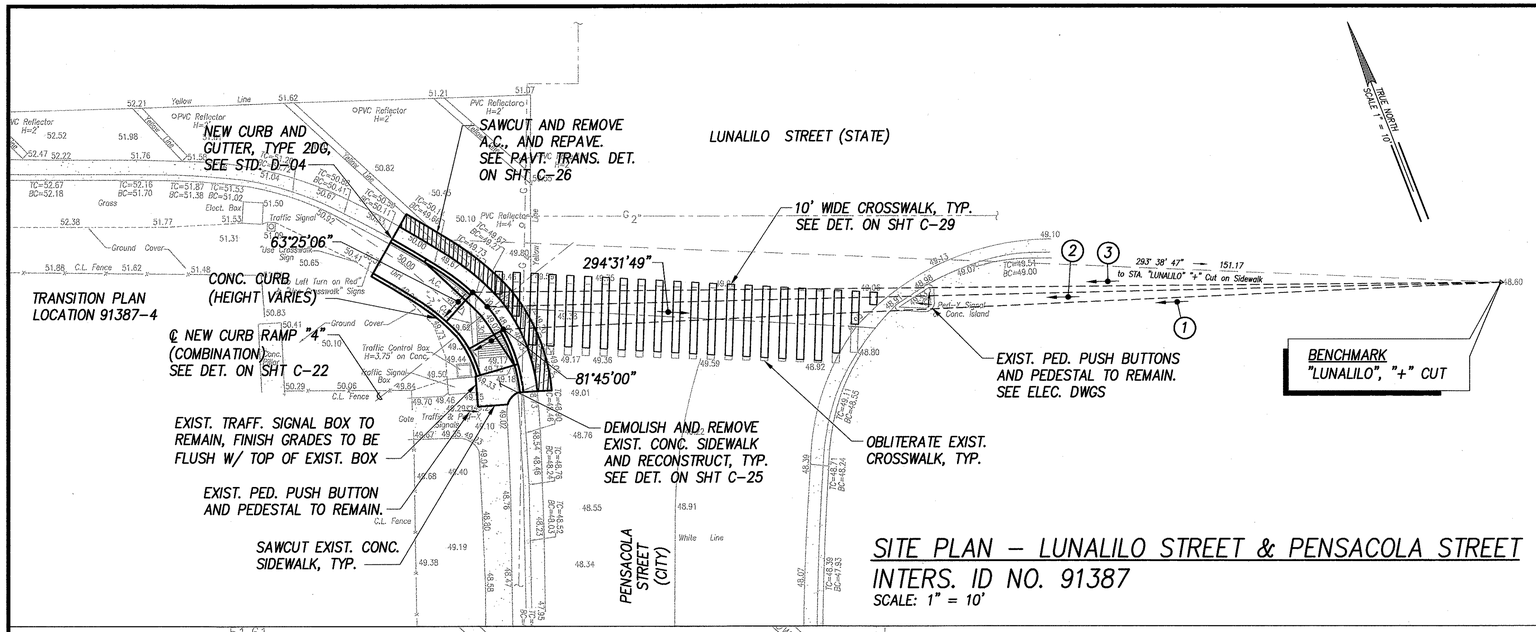
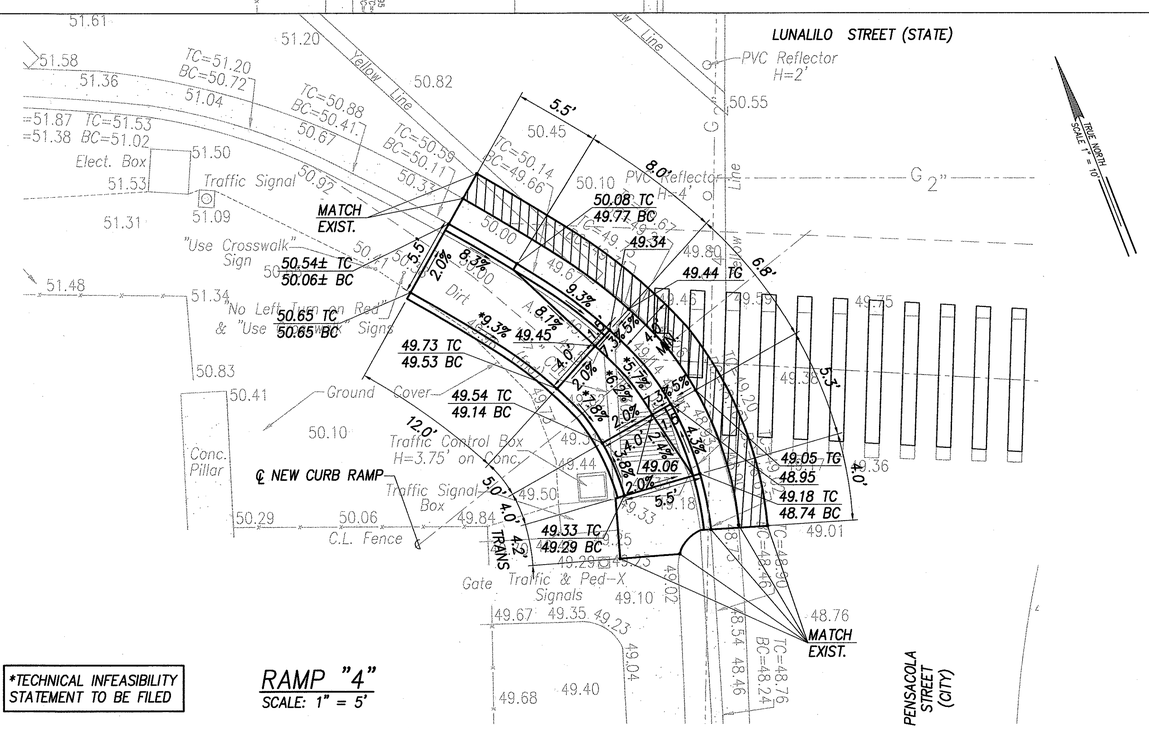
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	31	180



SITE PLAN – LUNALILO STREET & PENSACOLA STREET
INTERS. ID NO. 91387
SCALE: 1" = 10'



GRADING PLAN – LUNALILO STREET & PENSACOLA STREET
INTERS. ID NO. 91387
SCALE: 1" = 10'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED

RAMP "4"
SCALE: 1" = 5'

① 108°37'47" 139.68'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

② 109°57'26" 141.80'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

③ 110°46'30" 143.81'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'
1" = 5' 5' 0 5' 10'

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

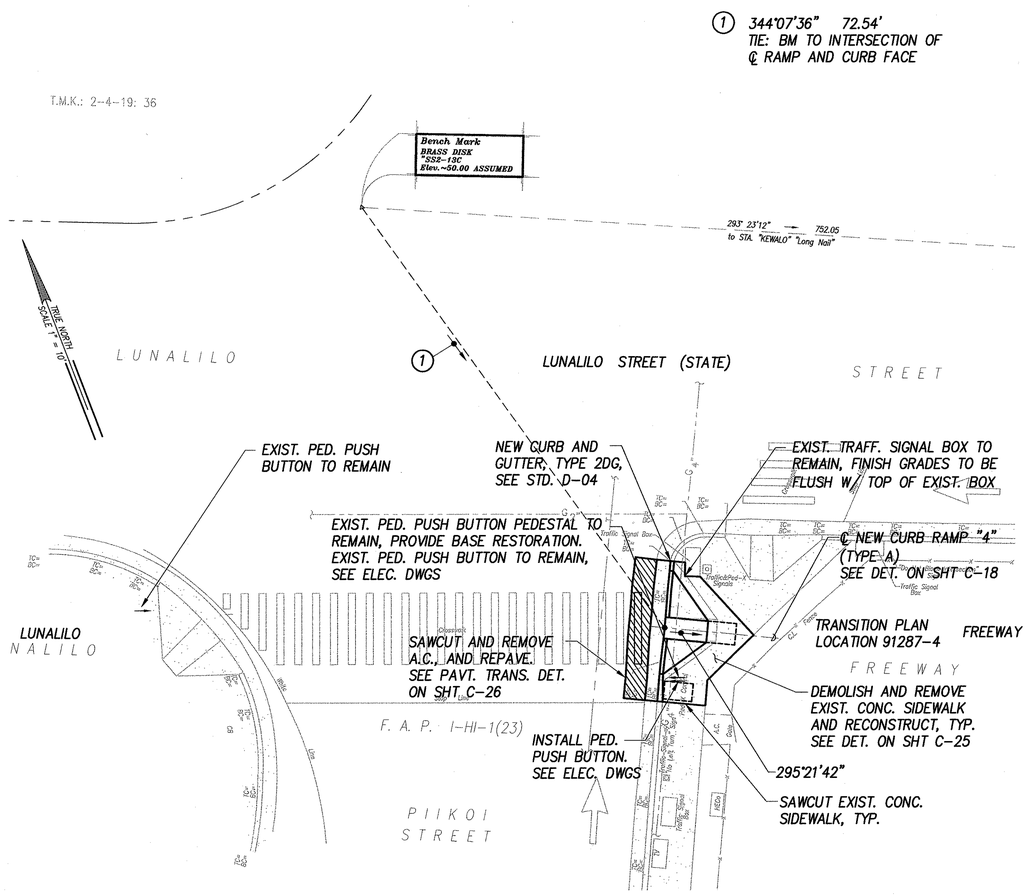
SITE & GRADING PLAN – LUNALILO STREET & PENSACOLA STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

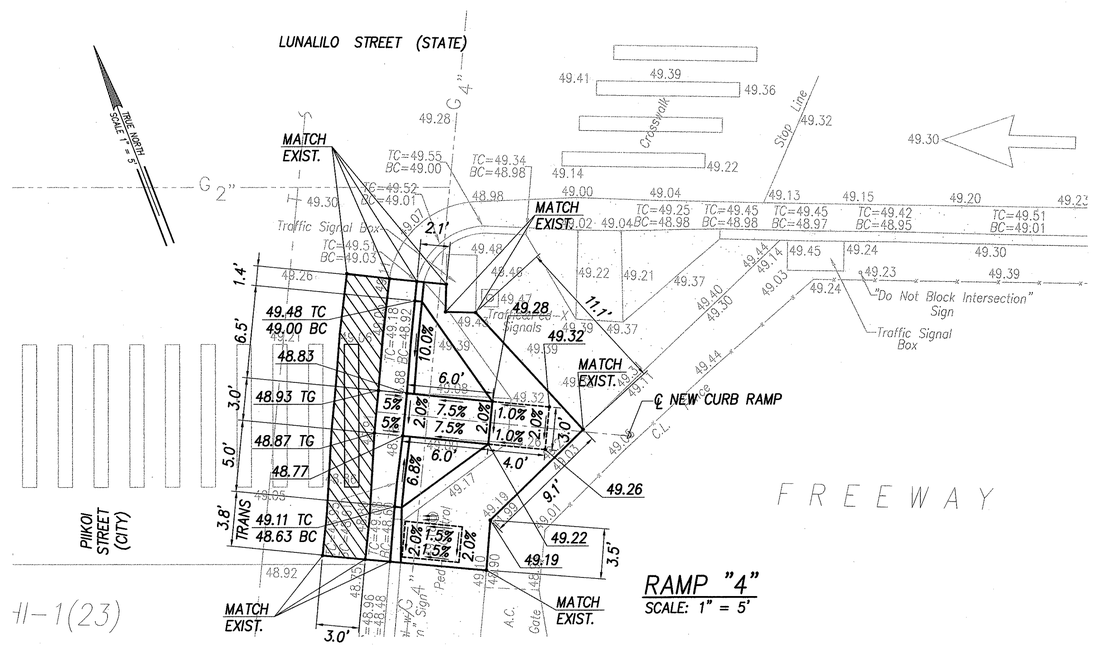
SHEET No. C-30 OF 139 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	32	180



SITE PLAN – LUNALILO STREET & PIIKOI STREET
INTERS. ID NO. 91287
SCALE: 1" = 10'



GRADING PLAN – LUNALILO STREET & PIIKOI STREET
INTERS. ID NO. 91287
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'
1" = 5' 5' 0 5' 10'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

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STATE OF HAWAII
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HIGHWAYS DIVISION

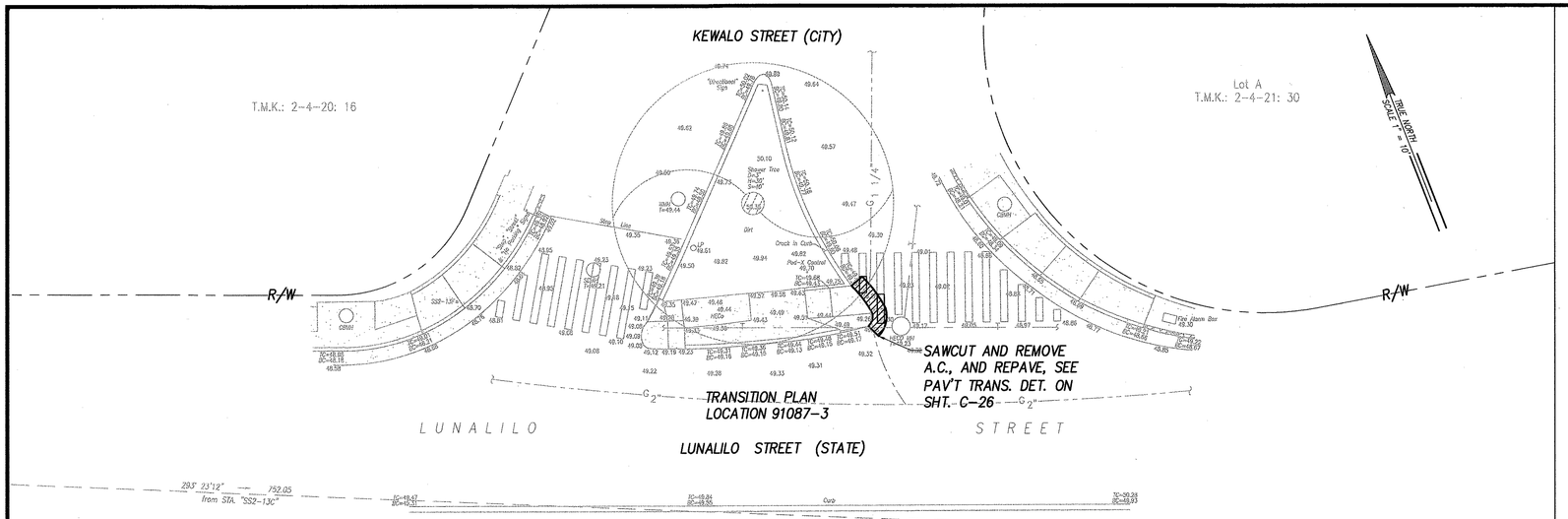
SITE & GRADING PLAN – LUNALILO STREET & PIIKOI STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

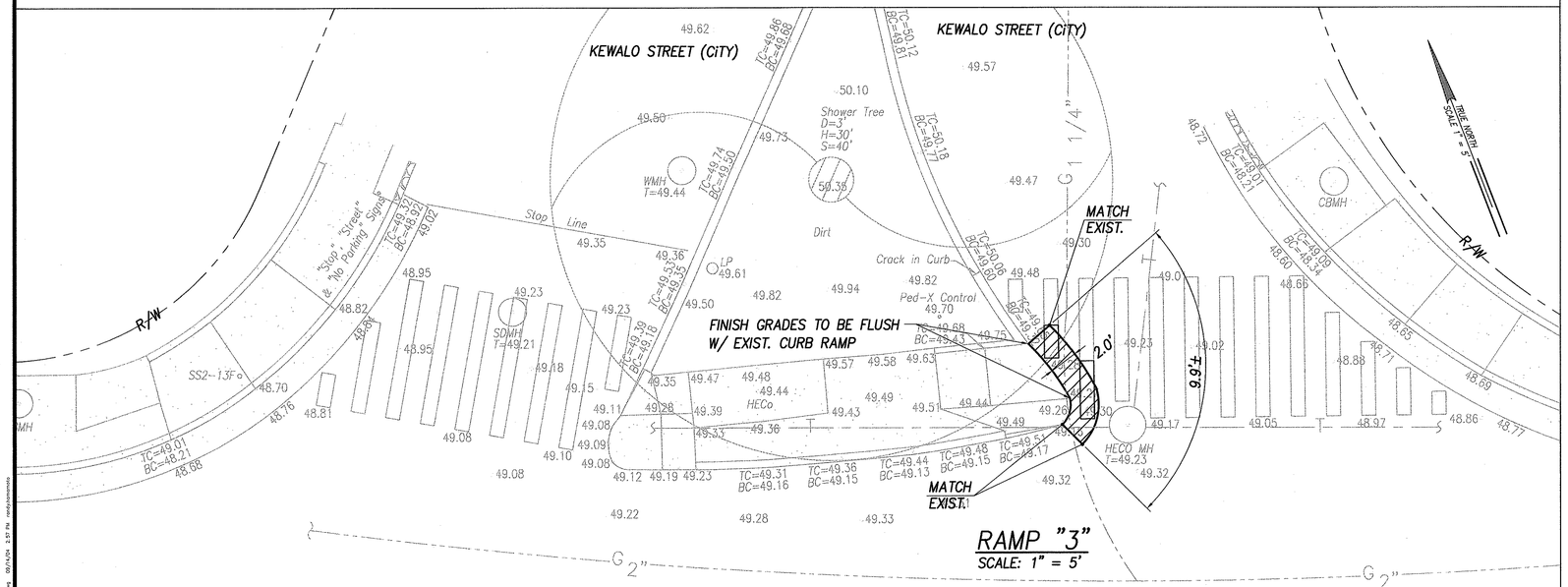
Scale: As Noted Date: August 2004

SHEET No. C-31 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	33	180



SITE PLAN – LUNALILO STREET & KEWALO STREET
INTERS. ID NO. 91087
SCALE: 1" = 10'



GRADING PLAN – LUNALILO STREET & KEWALO STREET
INTERS. ID NO. 91087
SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC 50.00 BC	FINISHED TOP OF CURB FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

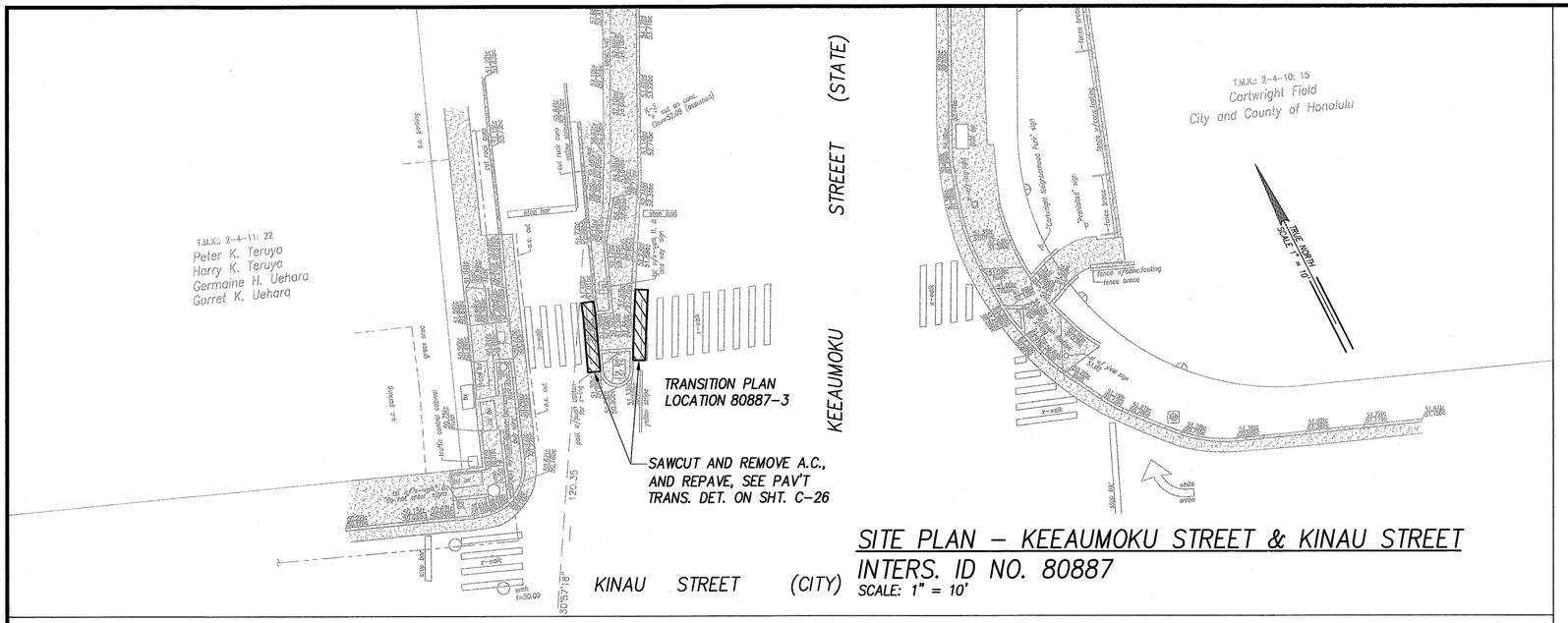
SITE & GRADING PLAN – LUNALILO STREET & KEWALO STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-32 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	34	180



SITE PLAN – KEEAUMOKU STREET & KINAU STREET
INTERS. ID NO. 80887
SCALE: 1" = 10'

RAMP "3"
SCALE: 1" = 5'

GRADING PLAN – KEEAUMOKU STREET & KINAU STREET
INTERS. ID NO. 80887
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
No.	CHECKED BY	"

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'
1" = 5' 5' 0 5' 10'

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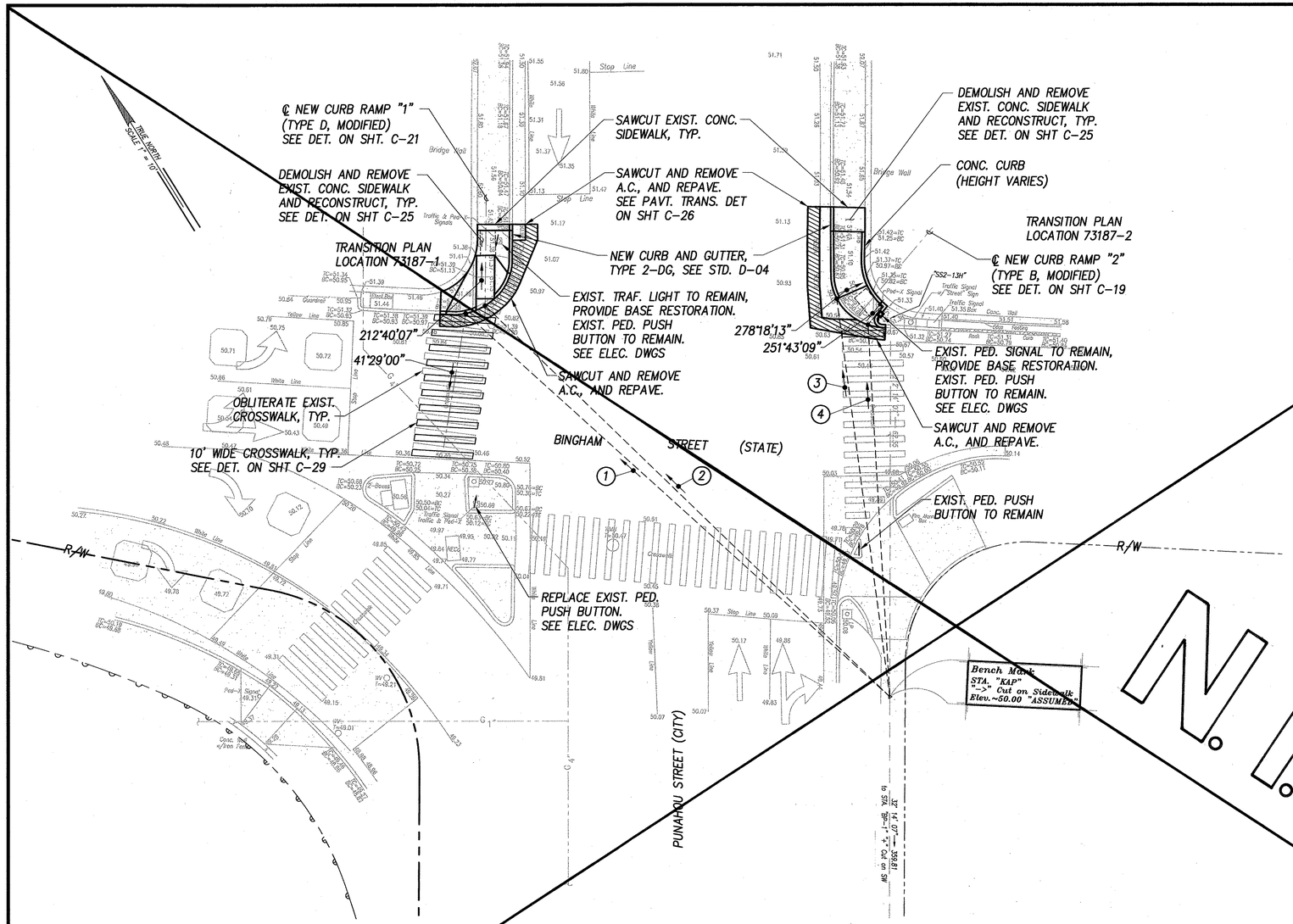
HIGHWAYS DIVISION

SITE & GRADING PLAN
KEEAUMOKU STREET & KINAU STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-33 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	35	180



1. 164°20'13" 94.38' TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE
2. 166°14'40" 92.92' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
3. 204°33'09" 66.34' TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 208°45'30" 61.58' TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

NOTE:
CONTRACTOR SHALL NOT DISTURB EXIST. SURVEY MONUMENT SS2-13h

SITE PLAN – BINGHAM STREET & PUNAHOU STREET
INTERS. ID NO. 73187
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK No.	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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HIGHWAYS DIVISION

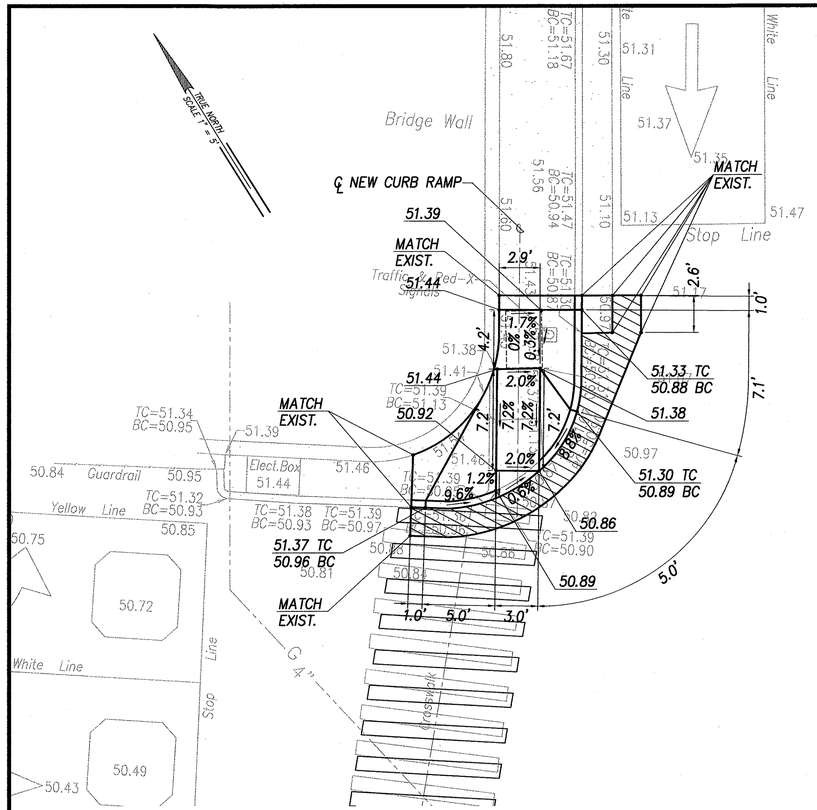
SITE PLAN – BINGHAM STREET & PUNAHOU STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

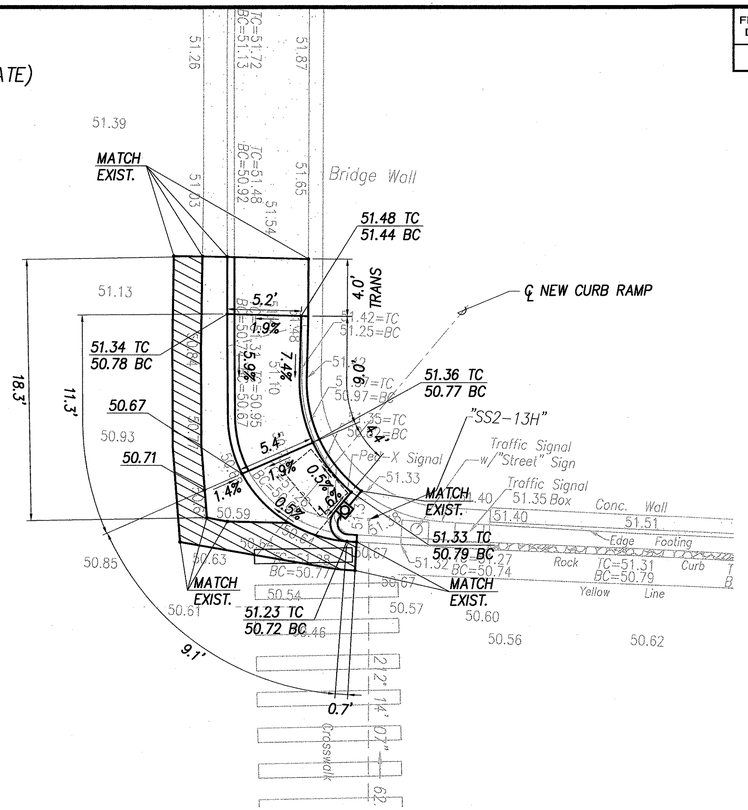
Scale: As Noted Date: August 2004

SHEET No. C-34 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	36	180



RAMP "1"
SCALE: 1" = 5'



RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – BINGHAM STREET & PUNAHOU STREET
INTERS. ID NO. 73187
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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Honolulu, HI 96813

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STATE OF HAWAII
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HIGHWAYS DIVISION

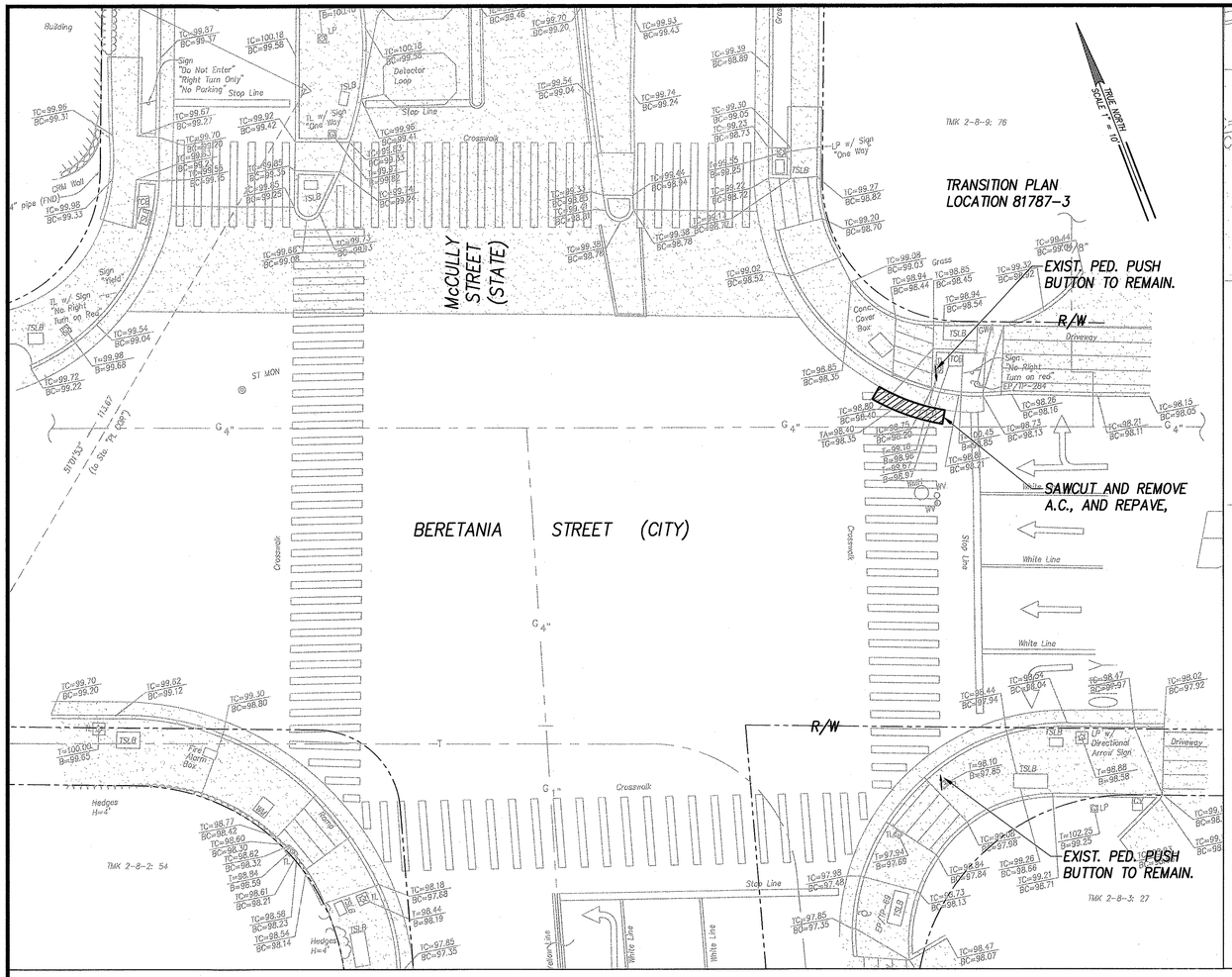
GRADING PLAN
BINGHAM STREET & PUNAHOU STREET

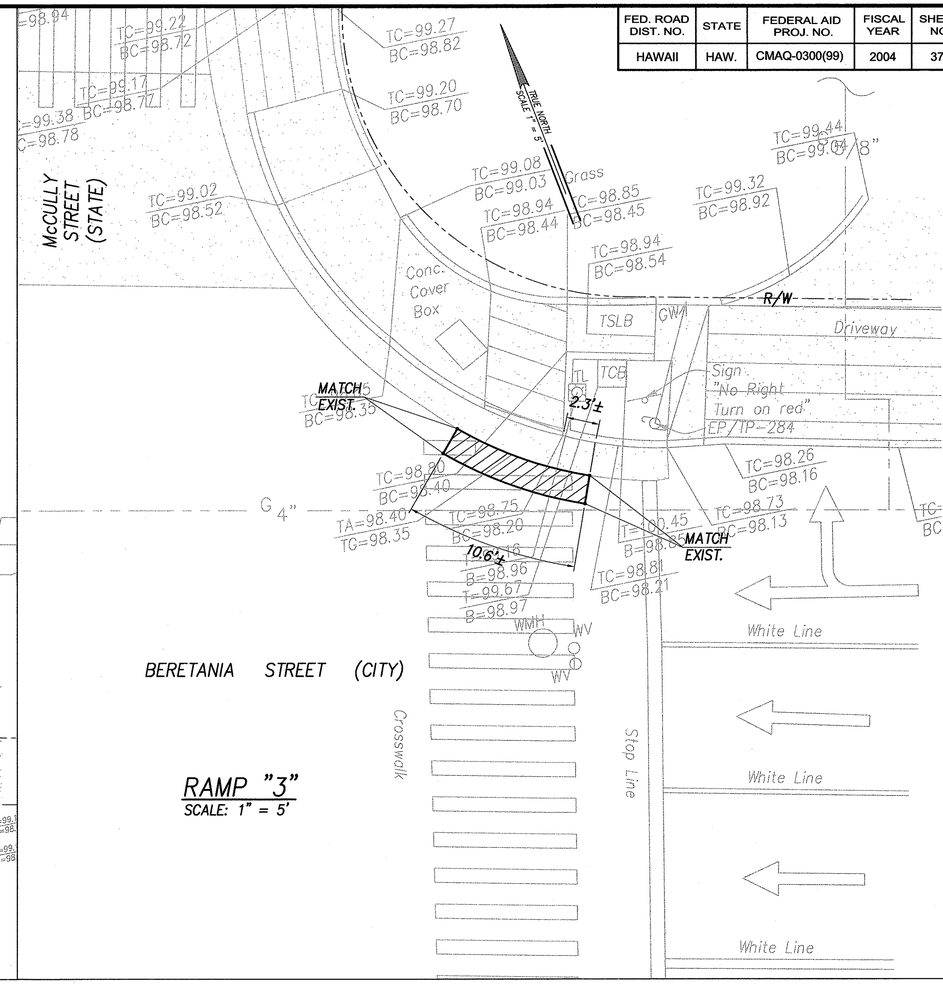
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-35 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	37	180





RAMP "3"
SCALE: 1" = 5'

SITE PLAN – McCULLY STREET & BERETANIA STREET
INTERS. ID NO. 81787
SCALE: 1" = 10'

GRADING PLAN – McCULLY STREET & BERETANIA STREET
INTERS. ID NO. 81787
SCALE: 1" = 5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' — 10' 5' 0 10' 20'

1" = 5' — 5' 0 5' 10'

EARTH TECH
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Honolulu, HI 96813

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE AND GRADING PLAN
McCULLY STREET & BERETANIA STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-36 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	38	180

(1) 234°51'55" 7.52'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 244°30'17"
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(3) 249°50'37" 2.56'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 245°28'45" 59.63'
TIE: BM TO INTERSECTION OF ℄ PEDESTRIAN PUSH BUTTON

(5) 65°35'49" 28.67'
TIE: BM TO INTERSECTION OF END OF SIDEWALK & BACK OF CURB

TRUE NORTH
SCALE 1" = 10'

WAIAKA RD.

WAIAKA ROAD (STATE)

Double Yellow Line

TRANSITION PLAN LOCATION 81887-4

℄ NEW CURB RAMP "4" (COMBINATION) SEE DET. ON SHT. C-22

CONC. CURB (HEIGHT VARIES)

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

CONSTRUCT NEW CONC.SIDEWALK, TYP. SEE DET. ON SHT C-25

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

SAWCUT EXIST. CONC. SIDEWALK, TYP.

DEMOLISH AND REMOVE EXIST. CONC. CURB RAMP AND RECONSTRUCT SIDEWALK, TYP. SEE DET. ON SHT C-25

10' WIDE CROSSWALK, TYP. SEE DET. ON SHT C-29

136°48'55"

137°39'56"

255°00'48"

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

OBLITERATE EXIST. CROSSWALK & 12" WIDE STOP BAR, TYP.

12" WIDE WHITE STOP BAR, TYP. SEE DET. ON SHT C-29

INSTALL PED. PUSH BUTTON AND PEDESTAL. SEE ELEC. DWGS

INSTALL INLET PROTECTION AT CATCH BASIN SEE DET. ON SHT. C-15

EXIST. CATCH BASIN (CB) TO REMAIN, FINISH GRADES TO BE FLUSH W/ TOP OF EXIST. CB

REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 81887-2

258°17'52", 381.12'
BACKSIGHT TO "OLD BS"
"+" CUT

BENCHMARK
"BOC", BOLT AT BACK OF CURB
ELEV.=100.00

KAPIOLANI BOULEVARD (STATE)

SITE PLAN – WAIAKA ROAD & KAPIOLANI BLVD.
INTERS. ID NO. 81887
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
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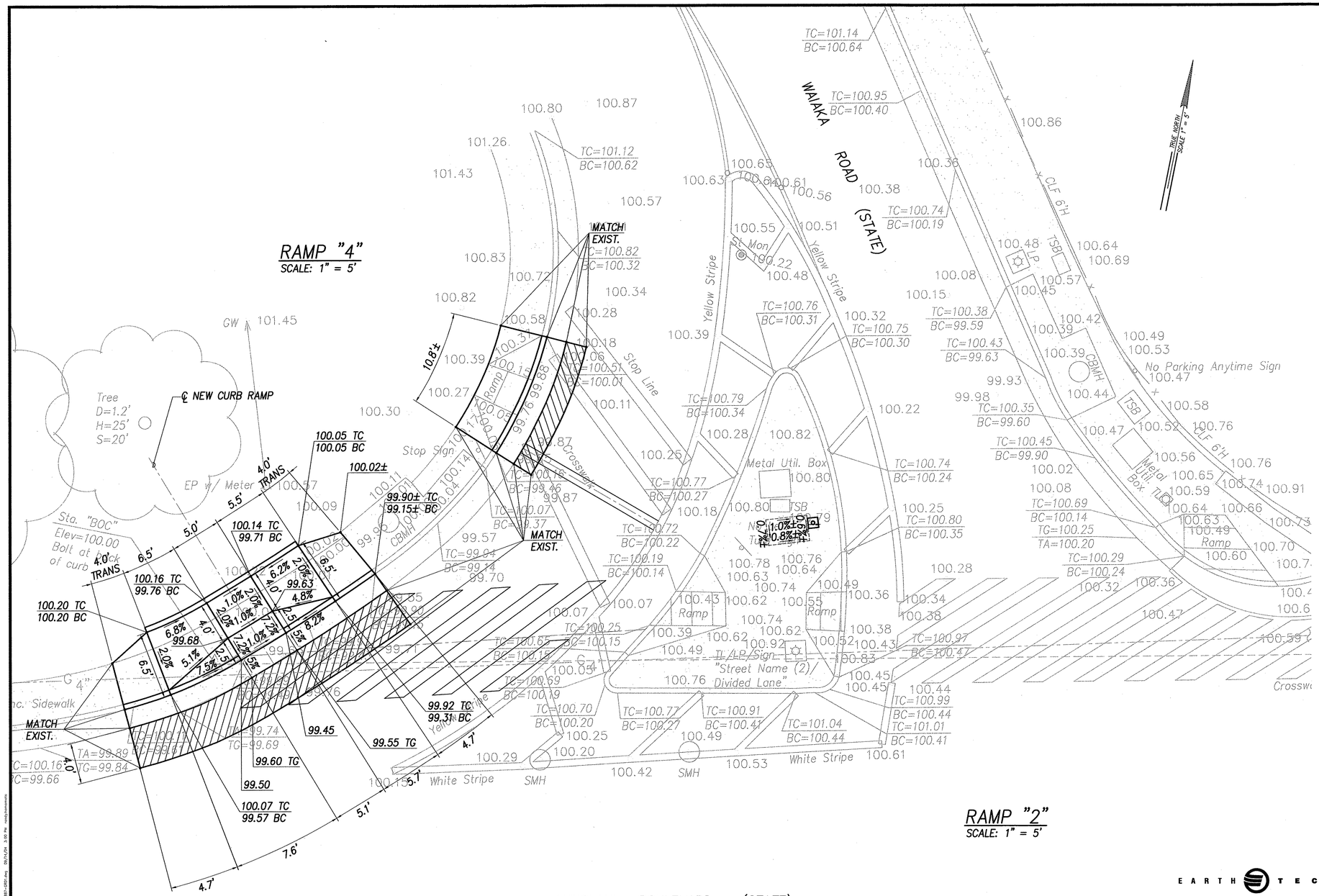
SITE PLAN
WAIAKA ROAD & KAPIOLANI BLVD.

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-37 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	39	180



LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

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

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GRADING PLAN – WAIAKA ROAD & KAPIOLANI BLVD.
INTERS. ID NO. 81887
SCALE: 1" = 5'

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STATE OF HAWAII
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HIGHWAYS DIVISION

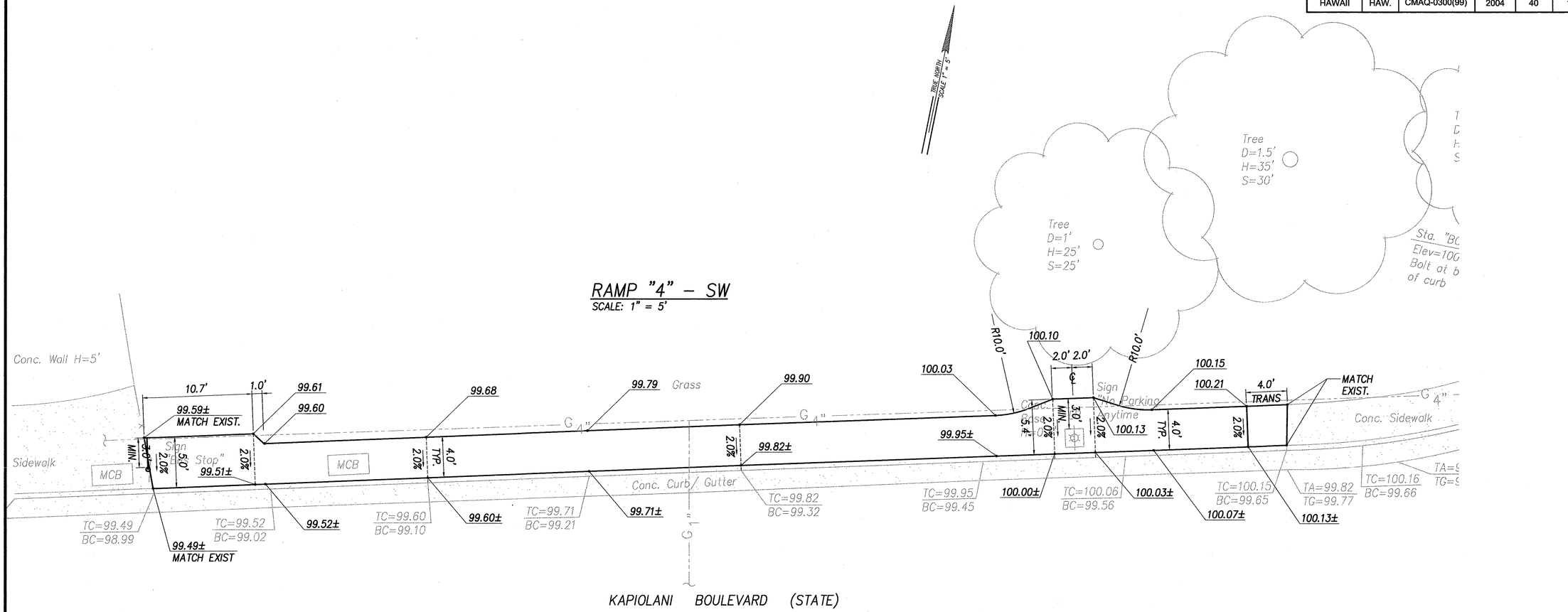
GRADING PLAN
WAIAKA ROAD & KAPIOLANI BLVD.

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-38 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	40	180



GRADING PLAN – WAIAKA ROAD & KAPIOLANI BLVD.
INTERS. ID NO. 81887
SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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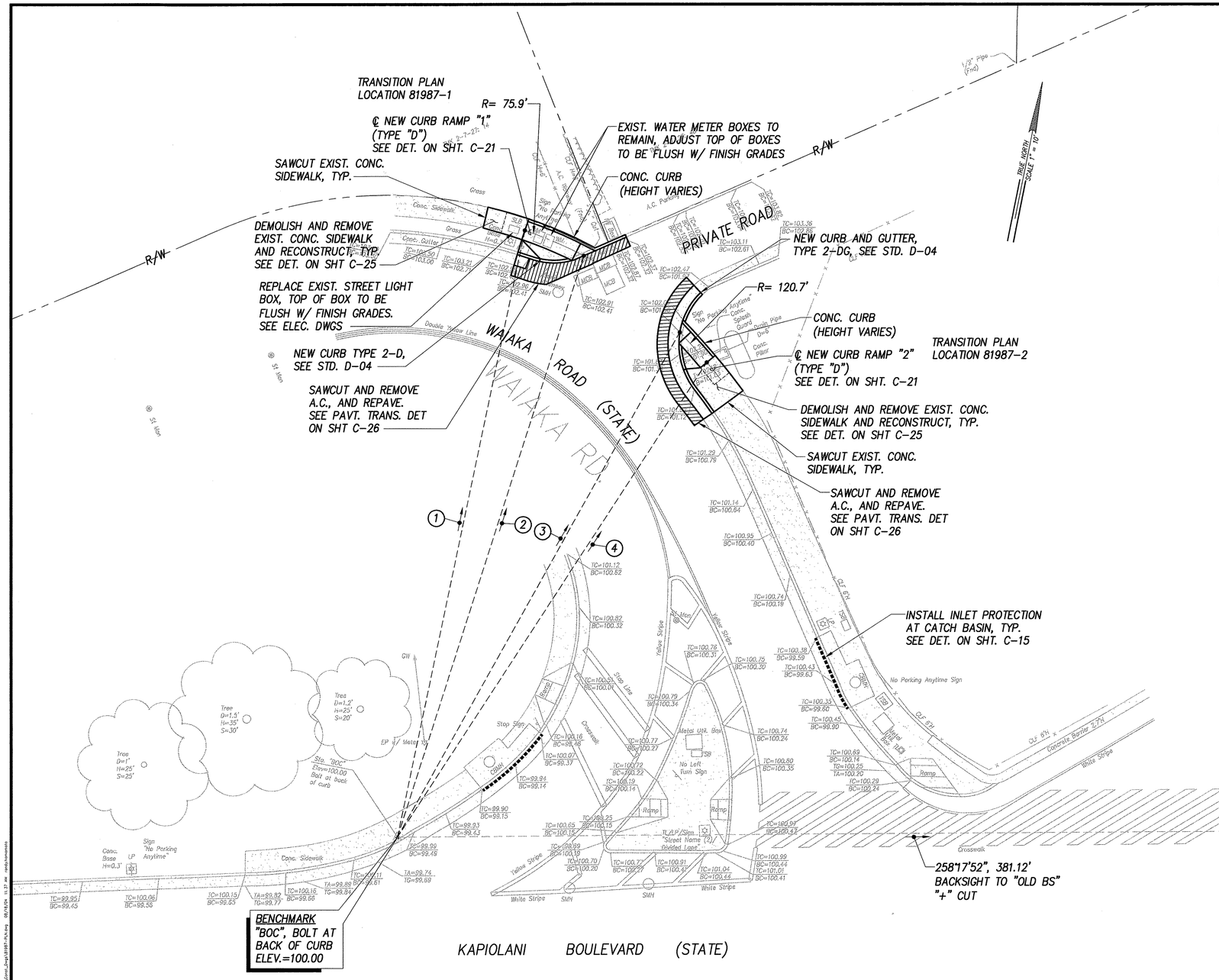
GRADING PLAN
WAIAKA ROAD & KAPIOLANI BLVD.

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-39 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	41	180



1. 180°33'00" 113.55'
TIE: BM TO INTERSECTION OF ℄ RAMP AND END OF RAMP

2. 186°28'06" 111.81'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

3. 197°55'29" 105.97'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

4. 201°48'05" 103.81'
TIE: BM TO INTERSECTION OF ℄ RAMP AND END OF RAMP

APPROVED:

Joseph W. Kaahanui 8/19/04
Principal Executive Date
Maintenance Unit, BWS

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 2997-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

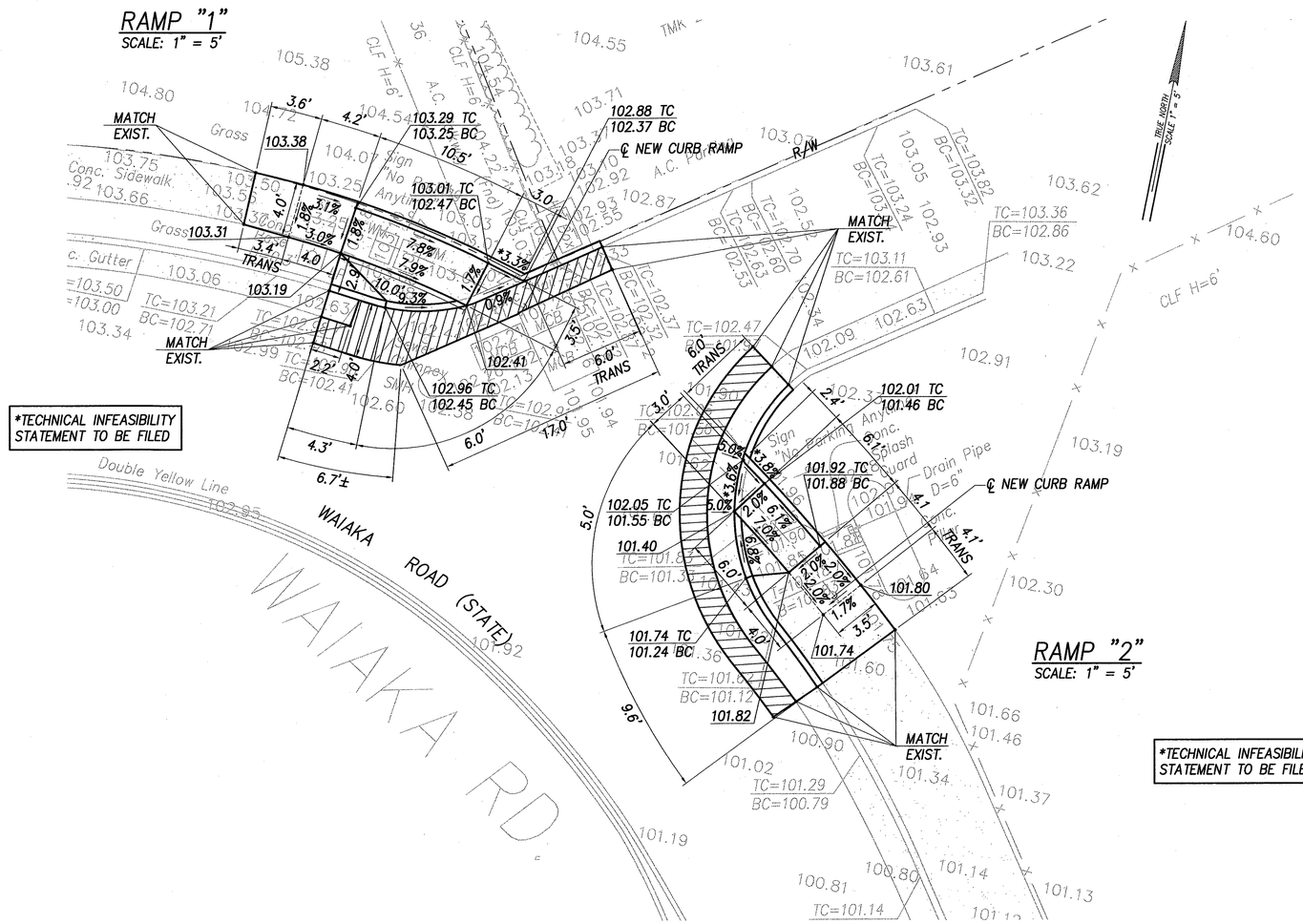
SITE PLAN – WAIAKA ROAD & PRIVATE ROAD
INTERS. ID NO. 81987
SCALE: 1" = 10'

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-40 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	42	180



GRADING PLAN – WAIAKA ROAD & PRIVATE ROAD
INTERS. ID NO. 81987
SCALE: 1" = 5'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 10'
10' 5' 0 10' 20'

ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813
ABDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
WAIAKA ROAD & PRIVATE ROAD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-41 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	43	180

BENCHMARK
"KAPX", "Y" CUT ON SIDEWALK
ELEV.=38.24

Bench Mark
STA. "1010"
"+" Cut on CBMH Rim
Elev.= 39.44 MSL

KAPAHULU AVENUE (STATE)

WAIALAE AVENUE (STATE)

KAPIOLANI BOULEVARD (STATE)

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

TRANSITION PLAN LOCATION 110287-6

℄ NEW CURB RAMP "6" (TYPE "D") SEE DET. ON SHT. C-21

SAWCUT EXIST. CONC. SIDEWALK, TYP.

NEW CURB TYPE 2-D, SEE STD. D-04

EXIST. TRAF. LIGHT TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

INSTALL PED PUSH BUTTON AND PEDESTAL. SEE ELEC. DWGS

139°49'49"

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

246° 28' 40" — 439.07 from STA FOOD "Mog Noi"

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

SAWCUT AND REMOVE A.C., AND REPAVE.

NEW CURB TYPE 2-D, SEE STD. D-04

RELOCATE AND REPLACE TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. THRU GUTTER AND RECONSTRUCT. SEE DET. ON SHT C-26

239°42'44"

181.20

79° 09' 28"

EXIST. TRAF. LIGHT TO REMAIN, PROVIDE BASE RESTORATION. REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 110287-1

179°33'28"

EXIST. TRAF. CONTROL BOX TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

NEW CURB, TYPE 2-D, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

℄ NEW CURB RAMP "1" (TYPE A) SEE DET. ON SHT C-18

OBLITERATE EXIST. CROSSWALK, TYP.

10' WIDE CROSSWALK, TYP. SEE DET. ON SHT C-29

338° 06' 27" to STA "TLT" "+" Cut on Sidewalk — 186.84

℄ NEW CURB RAMP "2 & 3" ~~(TYPE B, MODIFIED)~~ TYPE E SEE DET. ON SHT C-19

INSTALL PED PUSH BUTTONS & PEDESTAL, SEE ELEC. DWGS

NEW CURB, TYPE 2-D, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

EXIST. TRAF. LIGHT TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED PUSH BUTTON. SEE ELEC. DWGS

329°20'18"

TRANSITION PLAN LOCATION 110287-2

SAWCUT EXIST. CONC. SIDEWALK, TYP.

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

CONC. CURB (HEIGHT VARIES)

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND BACKFILL W/ TOPSOIL

EXIST. PED. SIGNAL TO REMAIN. PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

EXIST. UTILITY POLE TO REMAIN

EXIST. ELEC. BOX TO REMAIN, ADJUST TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

RECONNECT VEHICLE DETECTOR LOOP AT EDGE OF ROADWAY, SEE ELEC. DWGS. FOR DETAIL

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

EXIST. HTCO BOX TO REMAIN, ADJUST TOP OF BOX TO BE FLUSH W/ FINISH GRADES

SAWCUT EXIST. CONC. SIDEWALK, TYP.

348°46'53"

EXIST. GUY ANCHOR TO REMAIN,

℄ NEW CURB RAMP "5" (COMBINATION) SEE DET. ON SHT C-22

CONC. CURB (HEIGHT VARIES)

TRANSITION PLAN LOCATION 110287-5

116° 41' 09" — 268.81 from STA "TLT" "+" Cut on Sidewalk

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS.

RELOCATE EXIST. TRAFF. SIGNAL LIGHT WITH PED. PUSH BUTTON AND INSTALL PED PUSH BUTTON. SEE ELEC. DWGS

223°10'28"

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

40°07'54"

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

℄ NEW CURB RAMP "4" (COMBINATION) SEE DET. ON SHT C-22

TRANSITION PLAN LOCATION 110287-3

TRANSITION PLAN LOCATION 110287-4

(1) 247°58'01" 88.77'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(2) 253°35'10" 102.52'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(3) 292°40'28" 164.60'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(4) 296°40'13" 162.72'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(5) 312°45'23" 128.33'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(6) 320°01'51" 101.70'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(7) 341°28'23" 14.05'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

TRUE NORTH
SCALE 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – KAPAHULU AVENUE & KAPIOLANI BOULEVARD
INTERS. ID NO. 110287
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

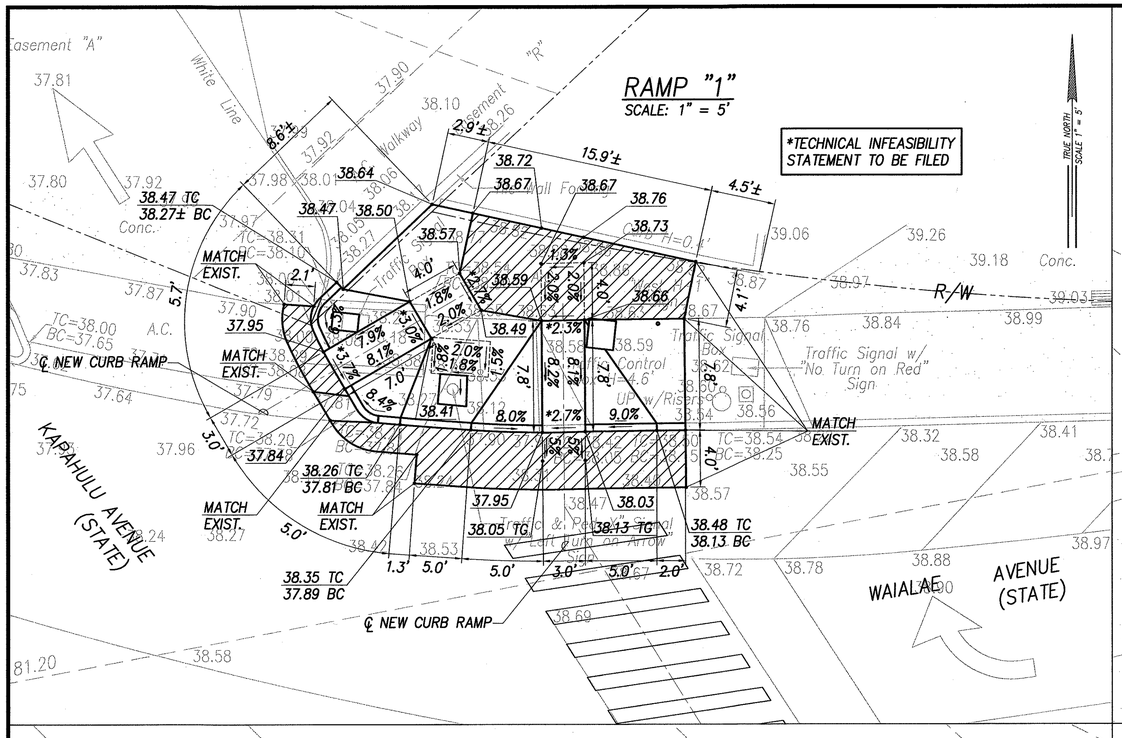
SITE PLAN
KAPAHULU AVENUE & KAPIOLANI BLVD.
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

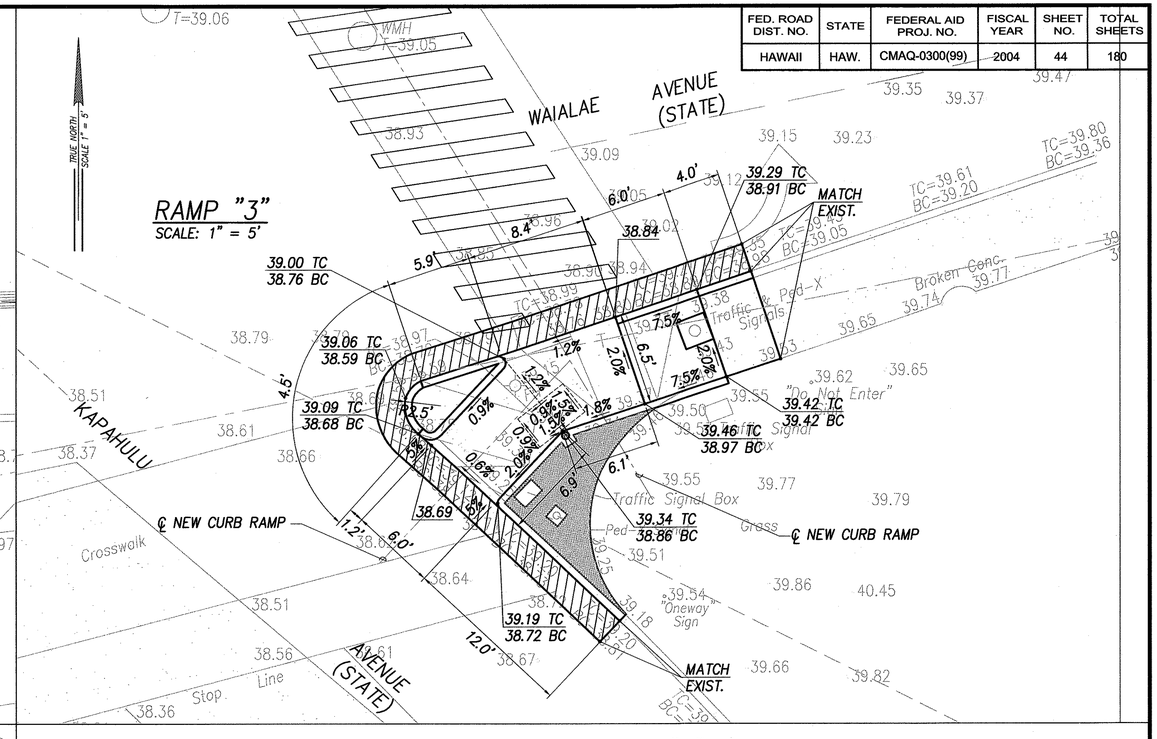
Scale: As Noted Date: August 2004

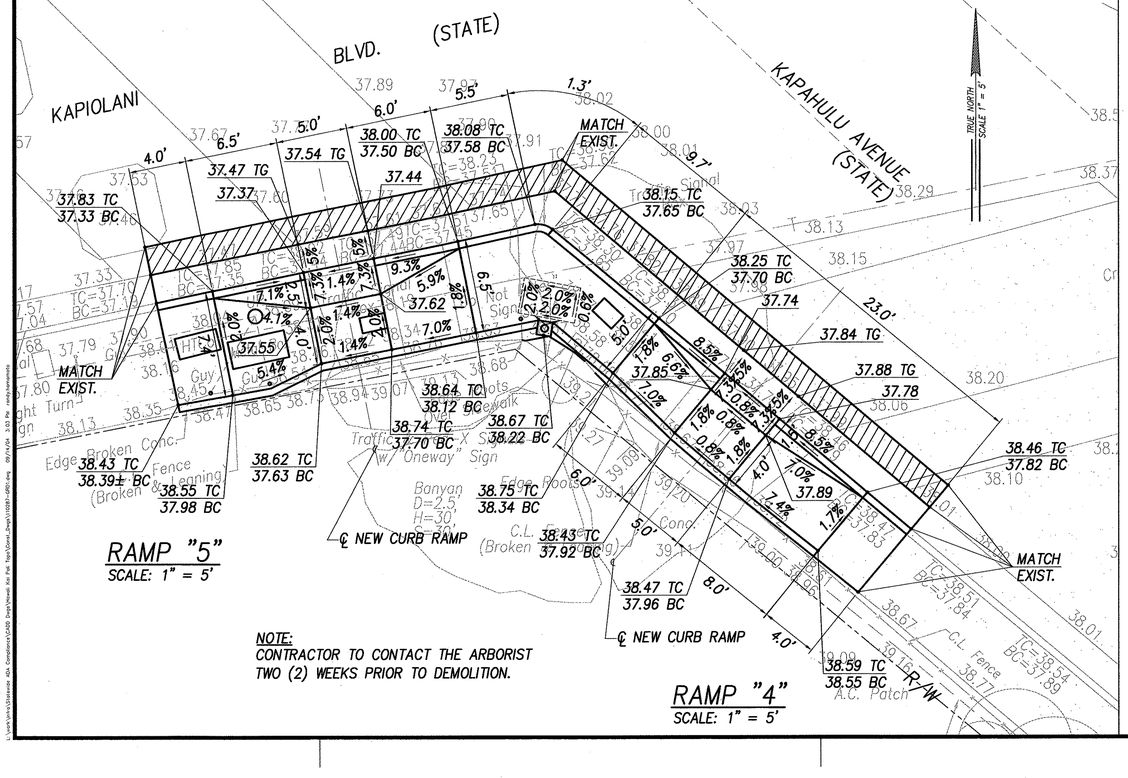
SHEET No. C-42 OF 139 SHEETS

"AS-BUILT" 43

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	44	180







NOTE:
CONTRACTOR TO CONTACT THE ARBORIST TWO (2) WEEKS PRIOR TO DEMOLITION.

RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KAPAHULU AVENUE & KAPIOLANI BOULEVARD
INTERS. ID NO. 110287
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

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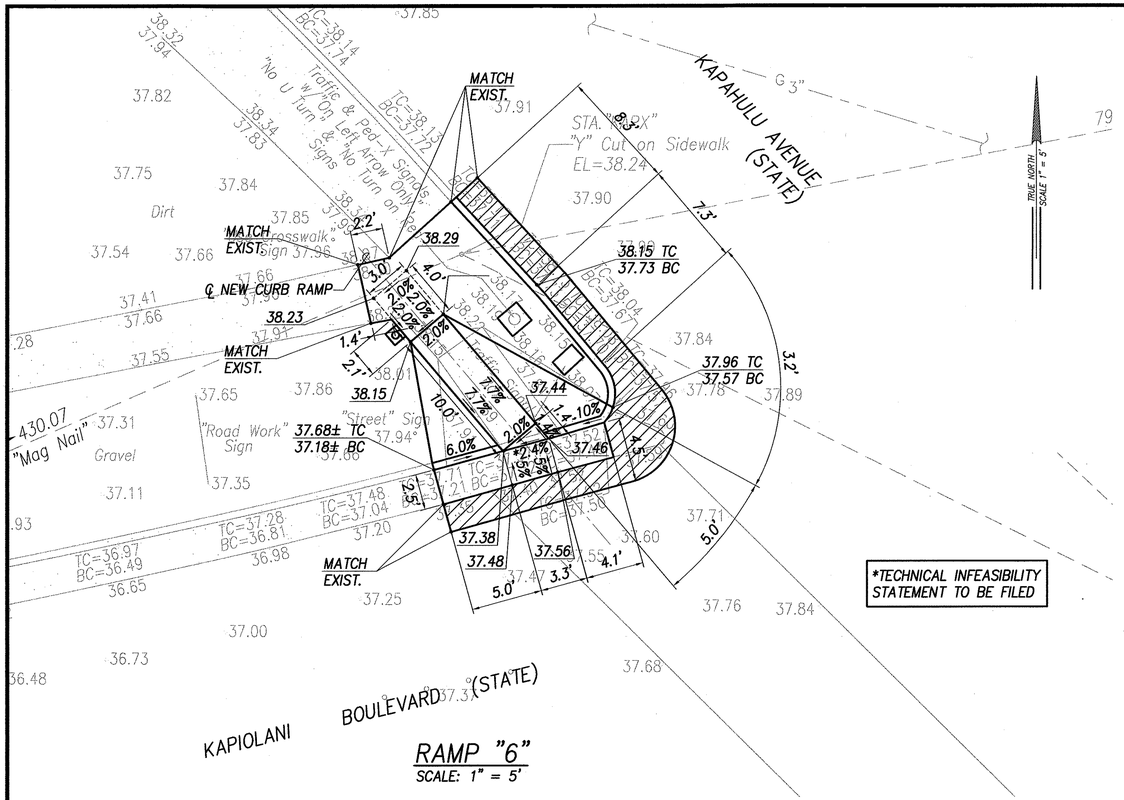
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KAPAHULU AVENUE & KAPIOLANI BLVD.
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-43 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	45	180



RAMP "6"
SCALE: 1" = 5'

GRADING PLAN – KAPAHULU AVENUE & KAPIOLANI BLVD.
INTERS. ID NO. 110287
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ABDALAN R. NIKOU LICENSED PROFESSIONAL ENGINEER No. 6198-C HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

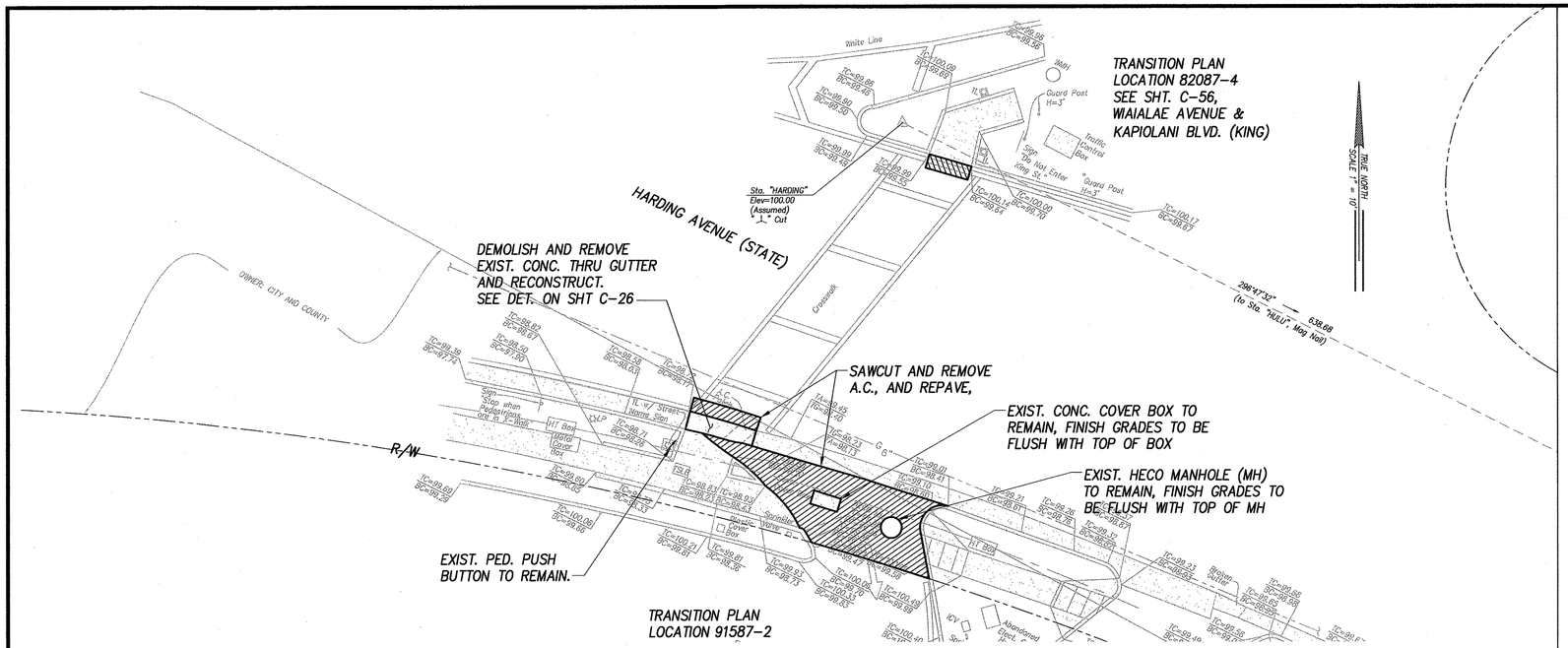
GRADING PLAN
KAPAHULU AVENUE & KAPIOLANI BLVD.

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-44 OF 139 SHEETS

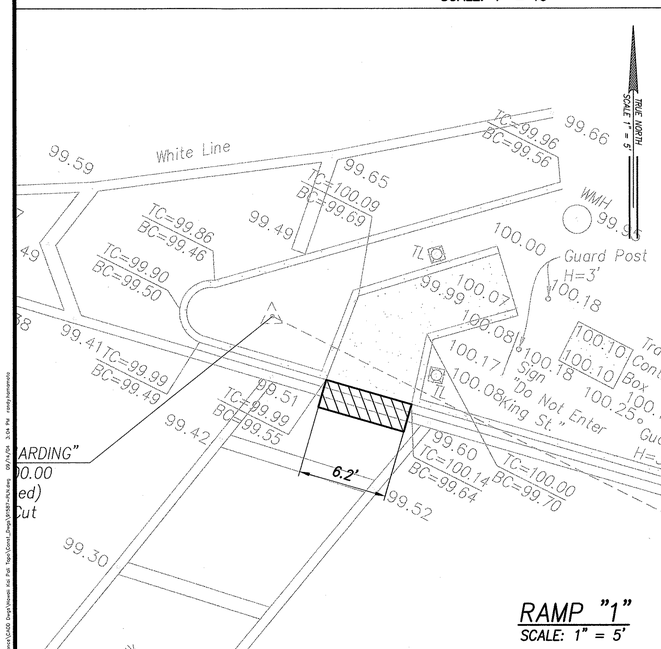
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	46	180



SITE PLAN – HARDING AVENUE & FOODLAND ENTRANCE (EWA SIDE)

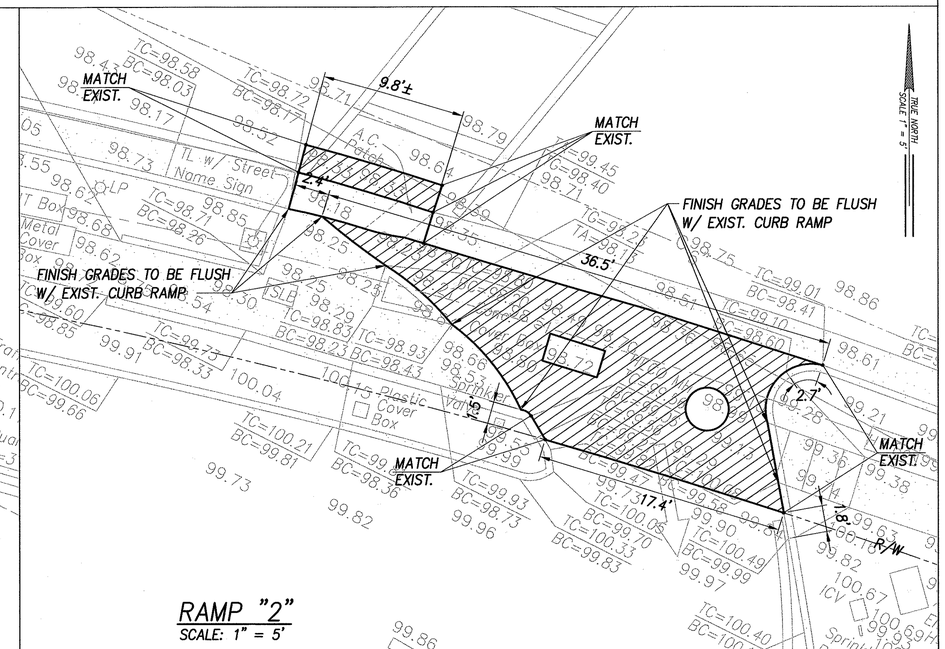
INTERS. ID NO. 91587

SCALE: 1" = 10'



RAMP "1"

SCALE: 1" = 5'



RAMP "2"

SCALE: 1" = 5'

GRADING PLAN – HARDING AVENUE & FOODLAND ENTRANCE (EWA SIDE)

INTERS. ID NO. 91587

SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' (10' 5' 0 10' 20')

1" = 5' (5' 0 5' 10')

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

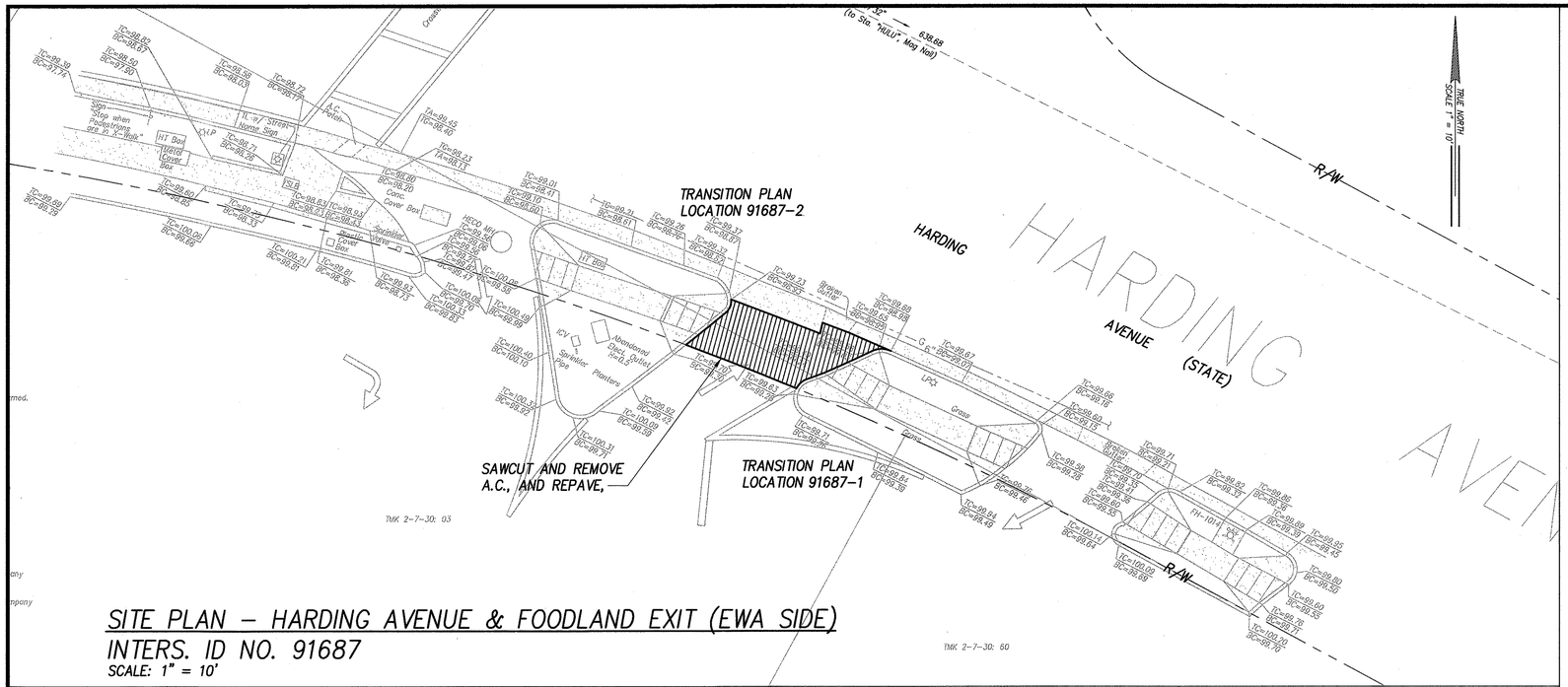
SITE & GRADING PLAN – HARDING AVE. & FOODLAND ENTRANCE (EWA SIDE)

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-45 OF 139 SHEETS

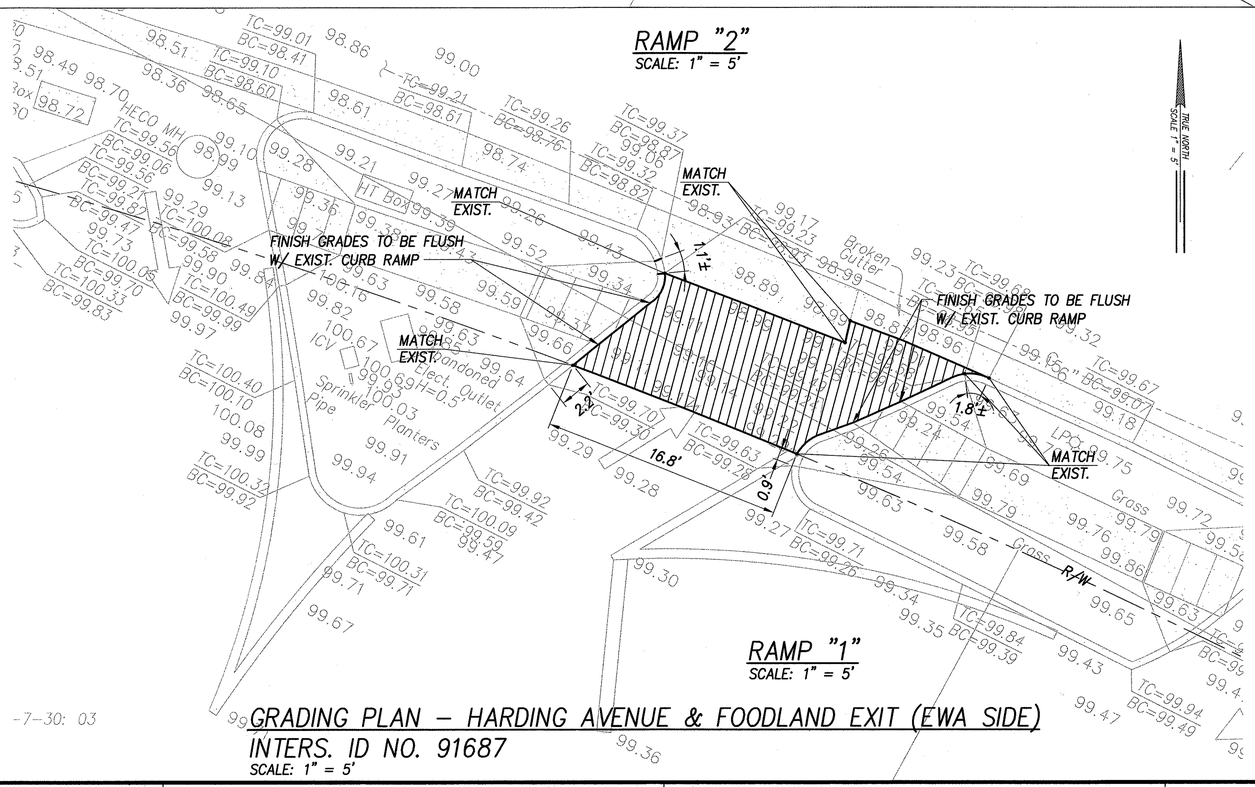
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	47	180



SITE PLAN – HARDING AVENUE & FOODLAND EXIT (EWA SIDE)

INTERS. ID NO. 91687

SCALE: 1" = 10'



GRADING PLAN – HARDING AVENUE & FOODLAND EXIT (EWA SIDE)

INTERS. ID NO. 91687

SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
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DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SITE & GRADING PLAN – HARDING AVE. & FOODLAND EXIT (EWA SIDE)

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8

Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-46 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	48	180

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

℄ NEW CURB RAMP "1" (TYPE A) SEE DET. ON SHT C-18

TRANSITION PLAN LOCATION 91987-1

228°42'38"

INSTALL INLET PROTECTION AT CATCH BASIN SEE DET. ON SHT. C-15

SAWCUT EXIST. CONC. SIDEWALK, TYP.

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

EXIST. STREET LIGHT TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS.

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

RESTRIPE EXIST. WHITE EDGE STRIPE

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

℄ NEW CURB RAMP "4" (TYPE A) SEE DET. ON SHT C-18

TRANSITION PLAN LOCATION 91987-4

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

280°06'56"

BENCHMARK
"HULU", "Mag Nail"
ELEV.=34.97

310°14'08" 145.16'
BACKSIGHT TO "HAR"
"△" CUT

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

TRANSITION PLAN LOCATION 91987-3

135°37'19"

RESTRIPE EXIST. WHITE EDGE STRIPE

SAWCUT EXIST. CONC. SIDEWALK, TYP.

℄ NEW CURB RAMP "3" (TYPE A) SEE DET. ON SHT C-18

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

EXIST. PED PUSH BUTTON TO REMAIN.

EXIST. MANHOLE TO REMAIN, FINISHED GRADES TO BE FLUSH W/ TOP OF MANHOLE

EXIST. TRAFF. SIGNAL LIGHT TO REMAIN, PROVIDE BASE RESTORATION. EXIST. PED. PUSH BUTTON TO REMAIN. SEE ELEC. DWGS

RELOCATE AND REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH WITH FINISH GRADES. SEE ELEC. DWGS

INSTALL PED. PUSH BUTTON AND PEDESTAL. SEE ELEC. DWGS

NEW CURB, TYPE 2-D, SEE STD. D-04

26°31'29", 1.55'

CONC. CURB (HEIGHT VARIES)

TRANSITION PLAN LOCATION 91987-6

EXIST. TRAFF. SIGNAL LIGHT TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

57°08'29", 4.14'

℄ NEW CURB RAMP "6" (COMBINATION, MODIFIED) SEE DET. ON SHT C-22

EXIST. PED. PUSH BUTTON TO REMAIN.

279°04'20", 1.50'
237°08'29", 3.31'
327°08'29"

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

NEW CURB, TYPE 2-D, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

℄ NEW CURB RAMP "10" (COMBINATION) SEE DET. ON SHT C-22

353°19'48"

TRANSITION PLAN LOCATION 91987-10

RESTRIPE EXIST. WHITE EDGE STRIPE

344°52'43"

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

CONC. CURB (HEIGHT VARIES)

SAWCUT EXIST. CONC. SIDEWALK, TYP.

① 320°51'08" 174.03'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

② 322°35'25" 171.38'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

③ 27°43'48" 54.61'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

④ 32°18'11" 63.34'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

⑤ 124°16'09" 27.42'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

⑥ 130°27'46" 74.03'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

⑦ 204°33'54" 73.27'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

TRUE NORTH SCALE 1" = 10'

SITE PLAN – HARDING AVENUE & KAPAHULU AVENUE
INTERS. ID NO. 91987
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

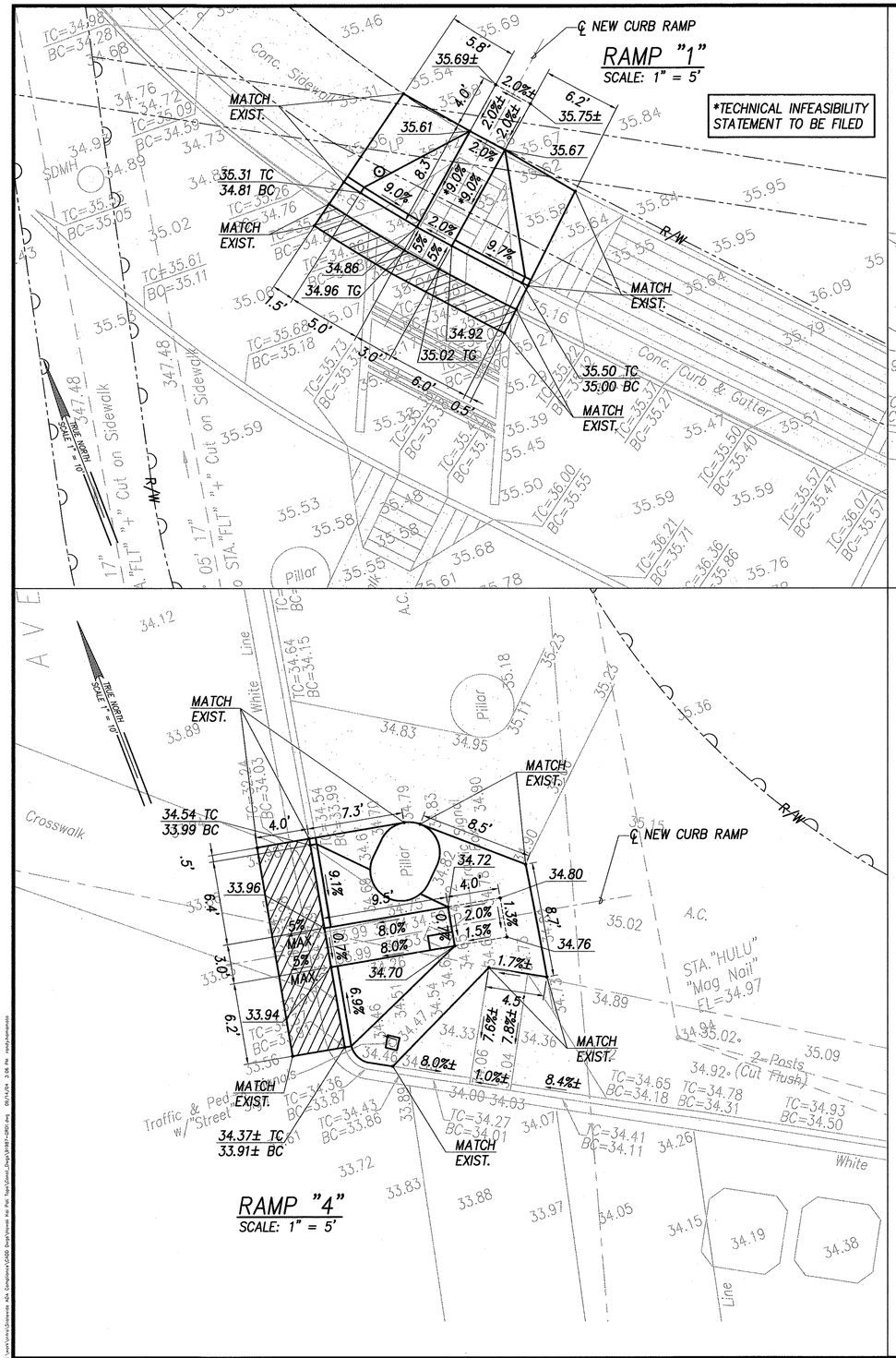
SITE & GRADING PLAN
HARDING AVENUE & KAPAHULU AVENUE

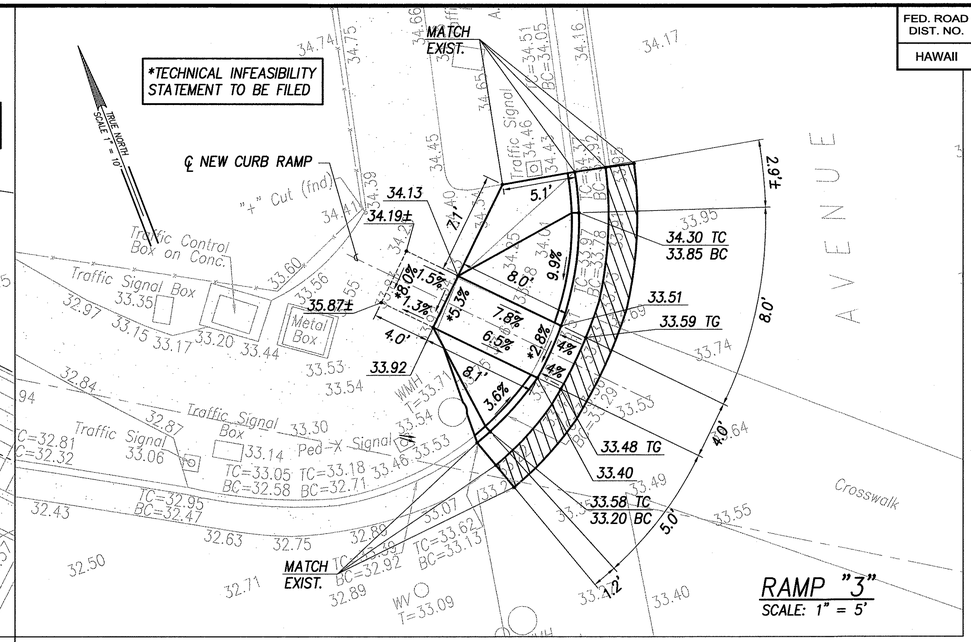
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

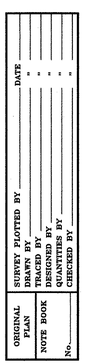
Scale: As Noted Date: August 2004

SHEET No. C-47 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	49	180







GRADING PLAN – HARDING AVENUE & KAPAHULU AVENUE
INTERS. ID NO. 91987
SCALE: 1" = 10'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC 50.00 BC	FINISHED TOP OF CURB FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

EARTH TECH
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841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

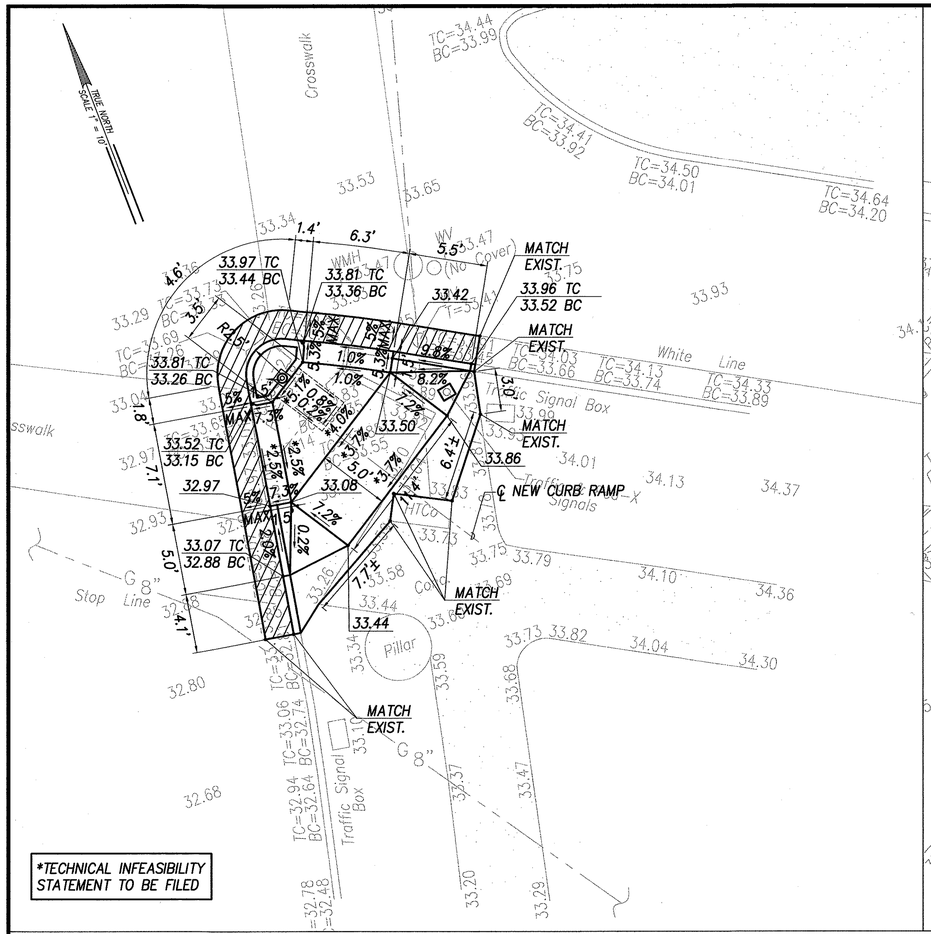
GRADING PLAN –
HARDING AVENUE & KAPAHULU AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

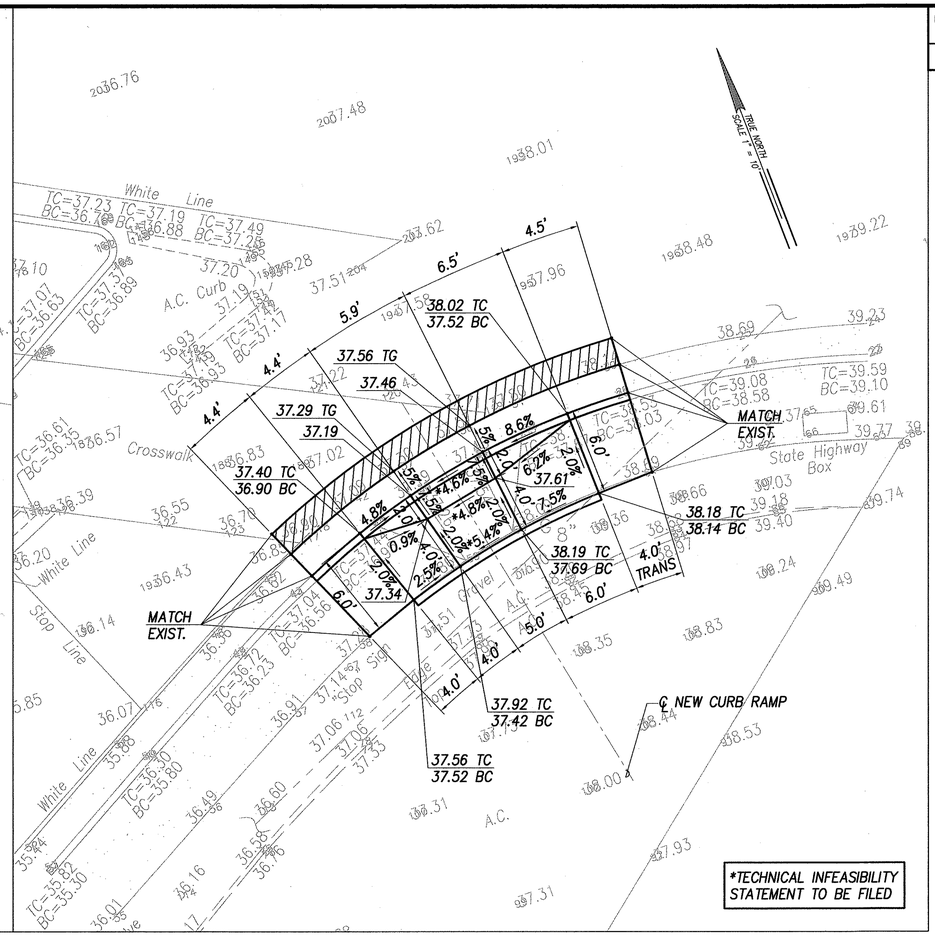
Scale: As Noted Date: August 2004

SHEET No. C-48 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	50	180



RAMP "6"
SCALE: 1" = 5'



RAMP "10"
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

GRADING PLAN – HARDING AVENUE & KAPAHULU AVENUE
INTERS. ID NO. 91987
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
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Honolulu, HI 96813

ARDALAN R. NIKOU
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No. 6198–C
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EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

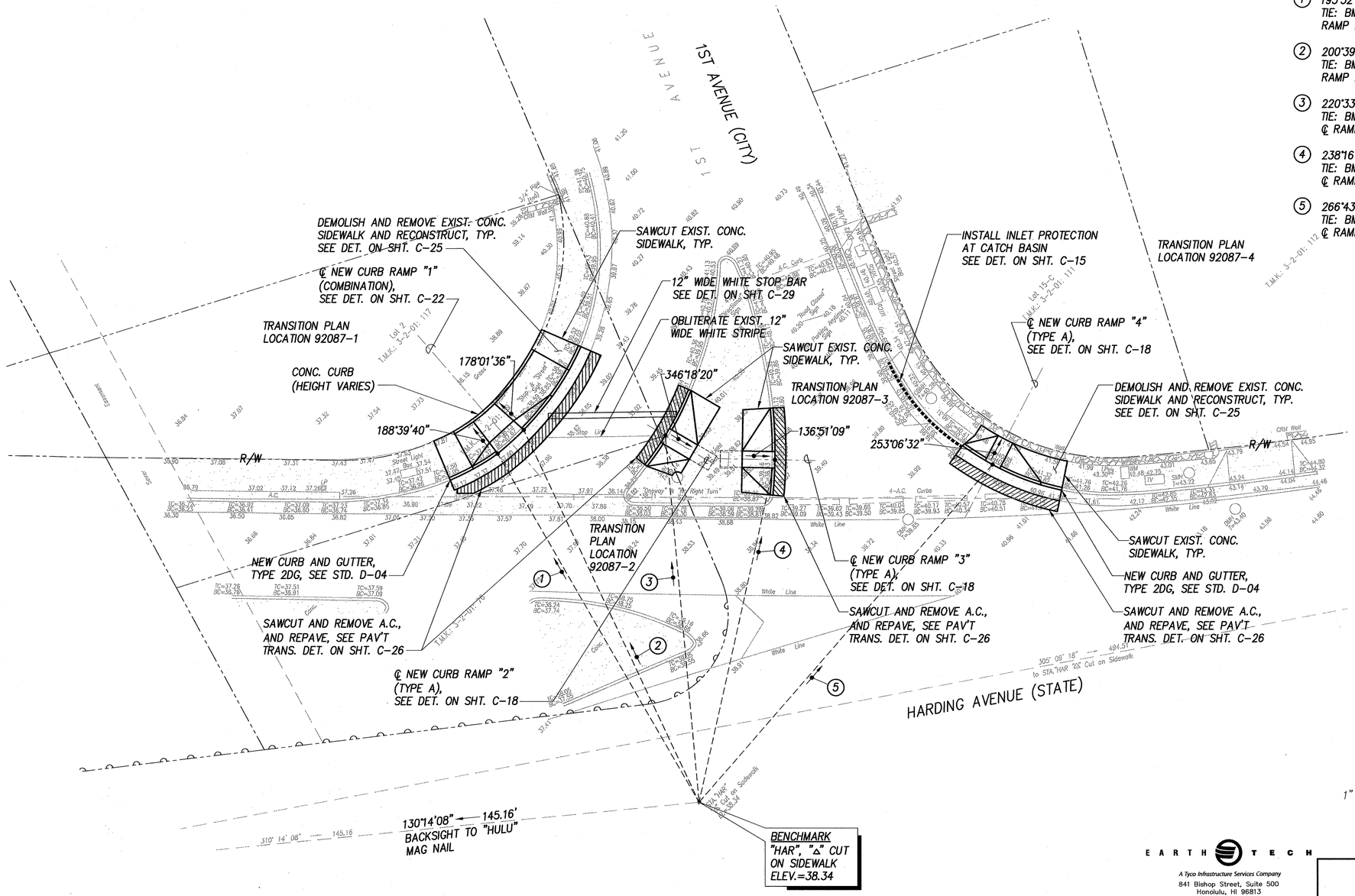
GRADING PLAN –
HARDING AVENUE & KAPAHULU AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-49 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	51	180



1. 195°52'03" 73.74'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
2. 200°39'17" 75.37'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
3. 220°33'29" 67.47'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
4. 238°16'21" 64.26'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
5. 266°43'54" 81.87'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – HARDING AVENUE & 1ST AVENUE
INTERS. ID NO. 92087
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
HARDING AVENUE & 1ST AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

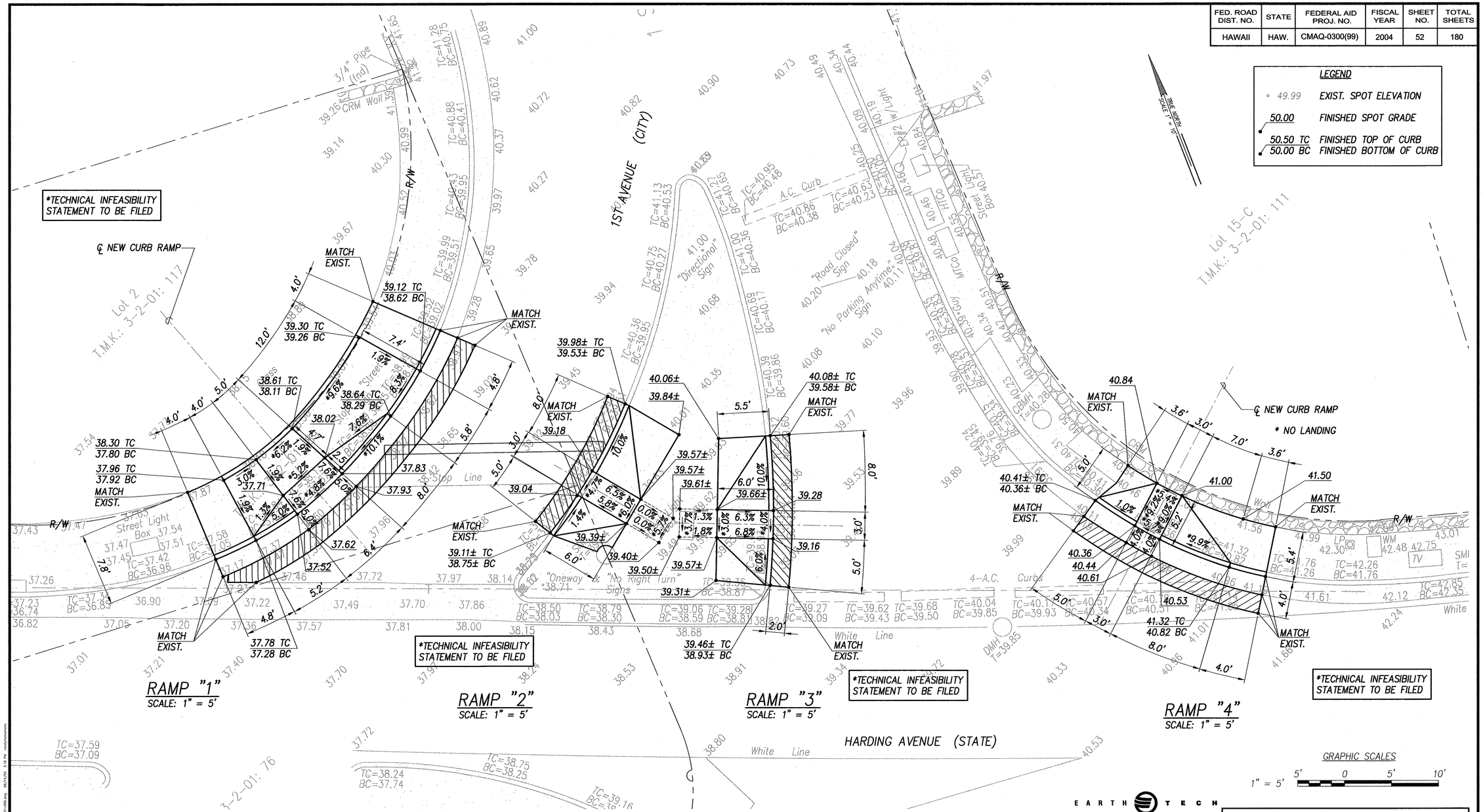
SHEET No. C-50 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	52	180

LEGEND

- 49.99 — EXIST. SPOT ELEVATION
- 50.00 — FINISHED SPOT GRADE
- 50.50 TC / 50.00 BC — FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED



GRAPHIC SCALES

1" = 5' — 5' 0 5' 10'

GRADING PLAN – HARDING AVENUE & 1ST AVENUE
INTERS. ID NO. 92087
SCALE: 1" = 5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

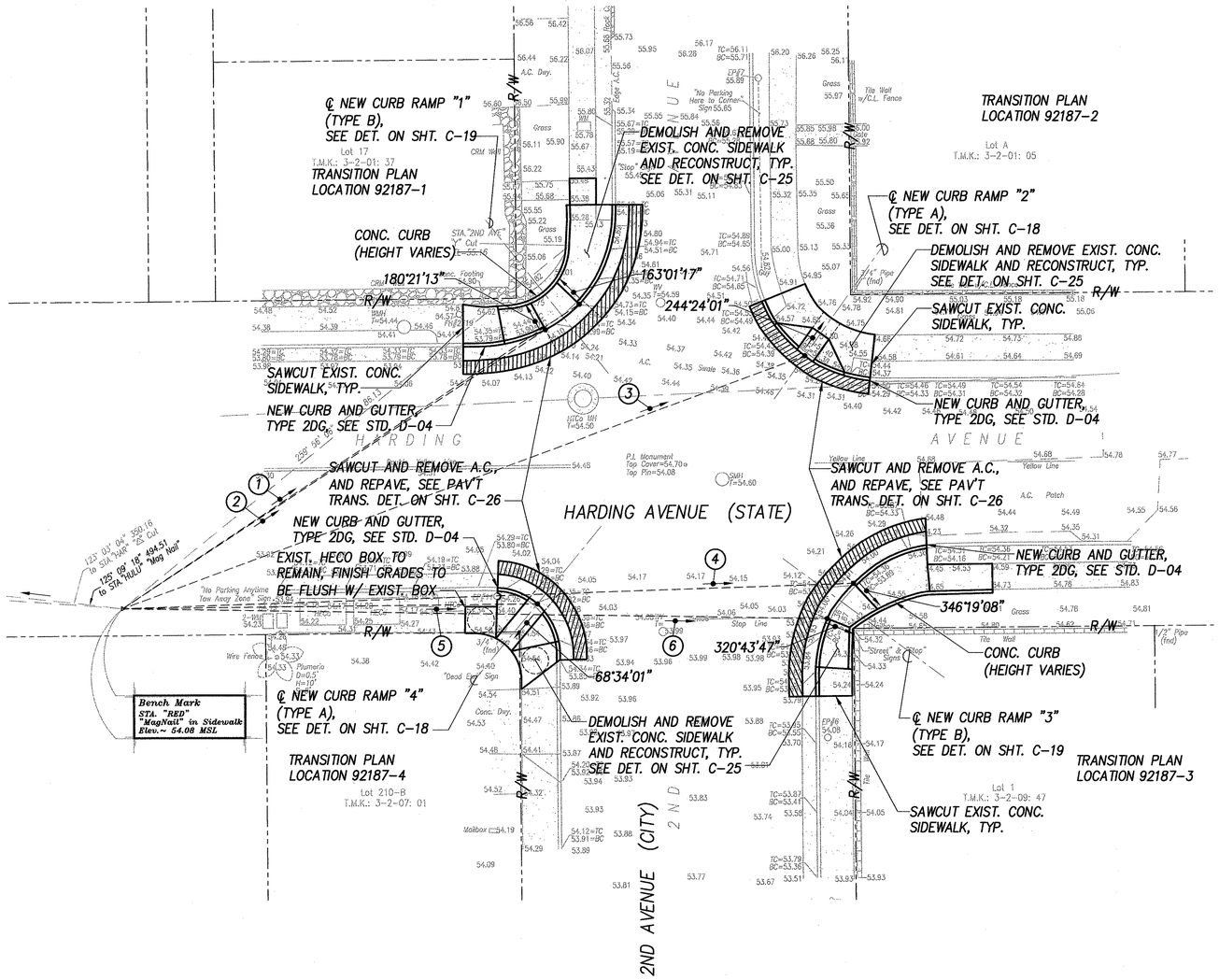
GRADING PLAN
HARDING AVENUE & 1ST AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted — Date: August 2004

SHEET No. C-51 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	53	180



1 265°21'05" 82.09'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

2 265°37'54" 75.77'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

3 278°45'00" 108.81'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

4 297°07'41" 109.38'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

5 298°26'53" 62.04'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

6 299°55'47" 105.41'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – HARDING AVENUE & 2ND AVENUE
INTERS. ID NO. 92187
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813
ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

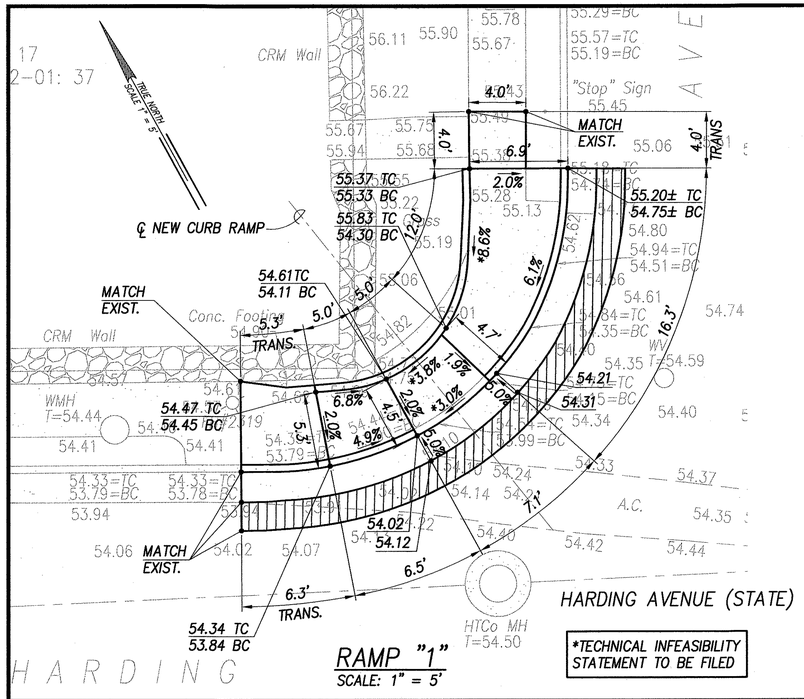
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

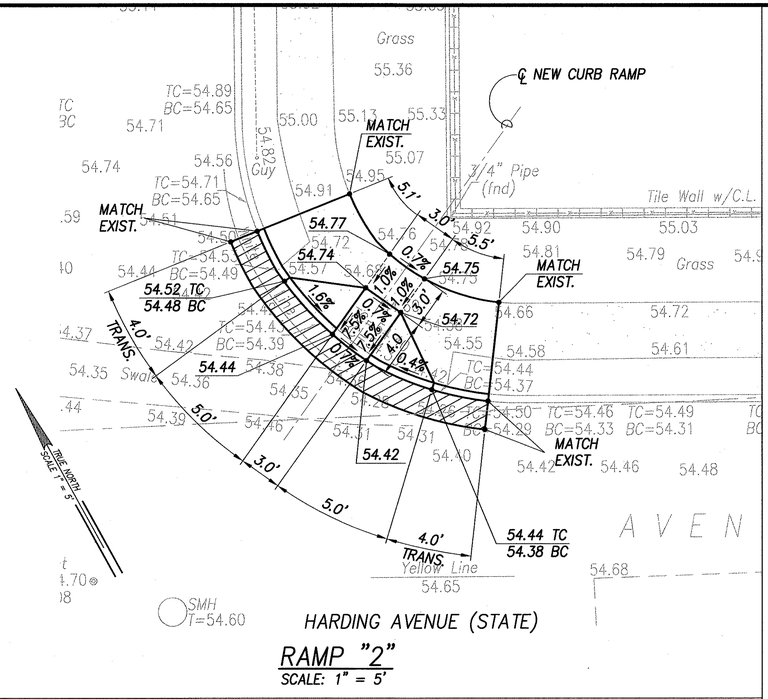
SITE PLAN
HARDING AVENUE & 2ND AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

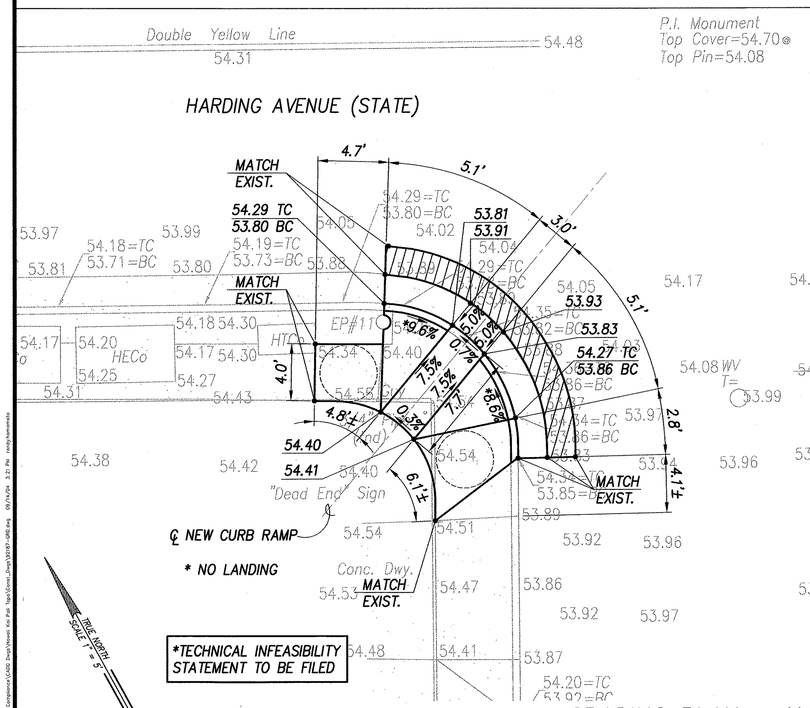
Scale: As Noted Date: August 2004

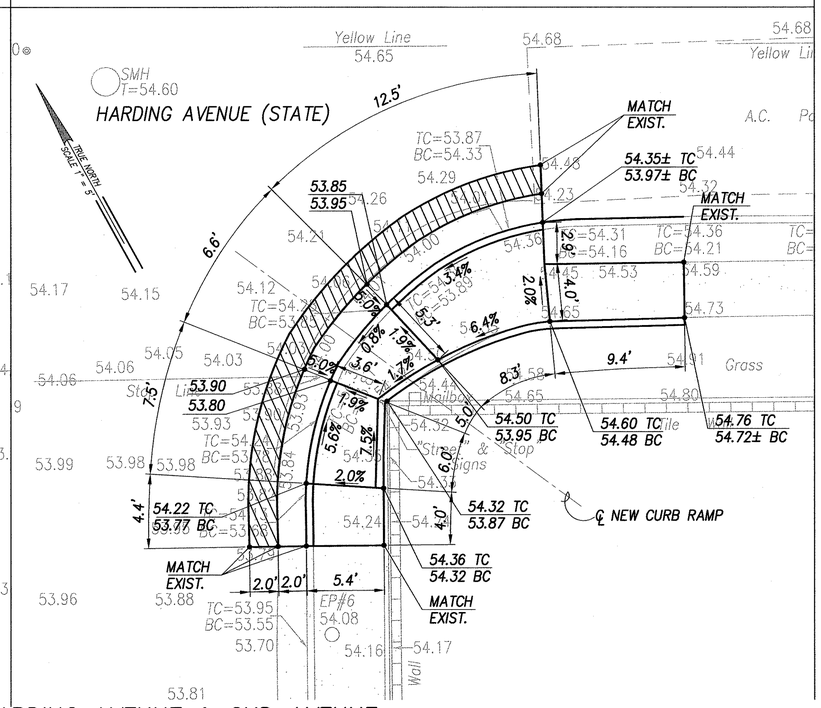
SHEET No. C-52 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	54	180









LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' (5' 0 5' 10')

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ABDALAAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
HARDING AVENUE & 2ND AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

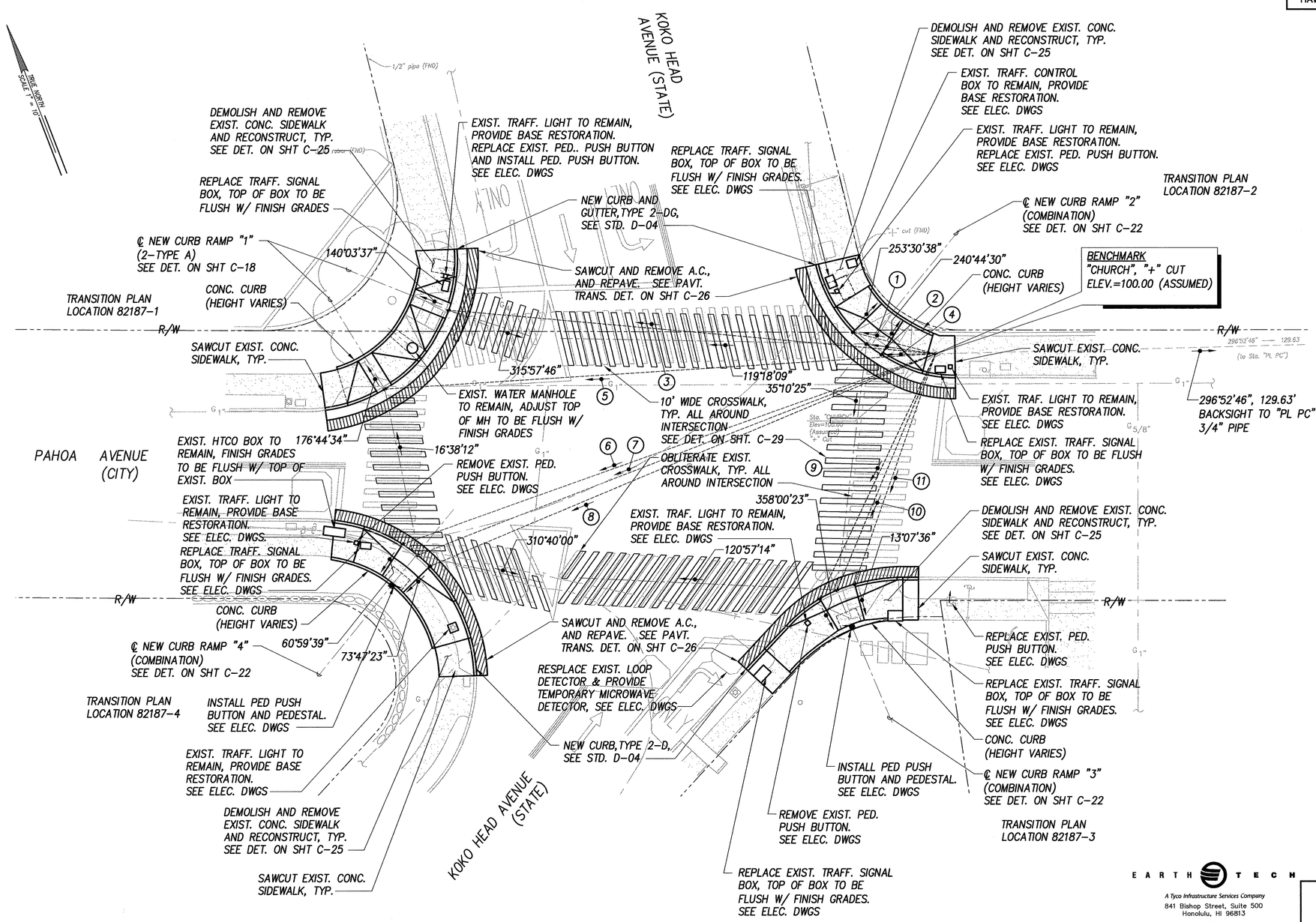
Scale: As Noted Date: August 2004

SHEET No. C-53 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

GRADING PLAN – HARDING AVENUE & 2ND AVENUE
INTERS. ID NO. 92187
SCALE: 1" = 10'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	55	180



(1) 132°55'13" 15.93'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 126°17'11" 13.00'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(3) 123°22'47" 91.20'
TIE: BM TO INTERSECTION OF ℄ RAMP/CROSSWALK AND CURB FACE

(4) 117°22'47" 10.08'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(5) 114°36'18" 102.97'
TIE: BM TO INTERSECTION OF ℄ RAMP/CROSSWALK AND CURB FACE

(6) 98°37'07" 105.56'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(7) 97°01'14" 103.63'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(8) 95°28'46" 102.32'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(9) 53°33'54" 50.52'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(10) 50°53'37" 47.75'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(11) 47°36'48" 45.52'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

APPROVED:

Joseph W Kaahua 8/19/04
Principal Executive Maintenance Unit, BWS — Date

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – KOKO HEAD AVENUE & PAHOA AVENUE
INTERS. ID NO. 82187
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 2997-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

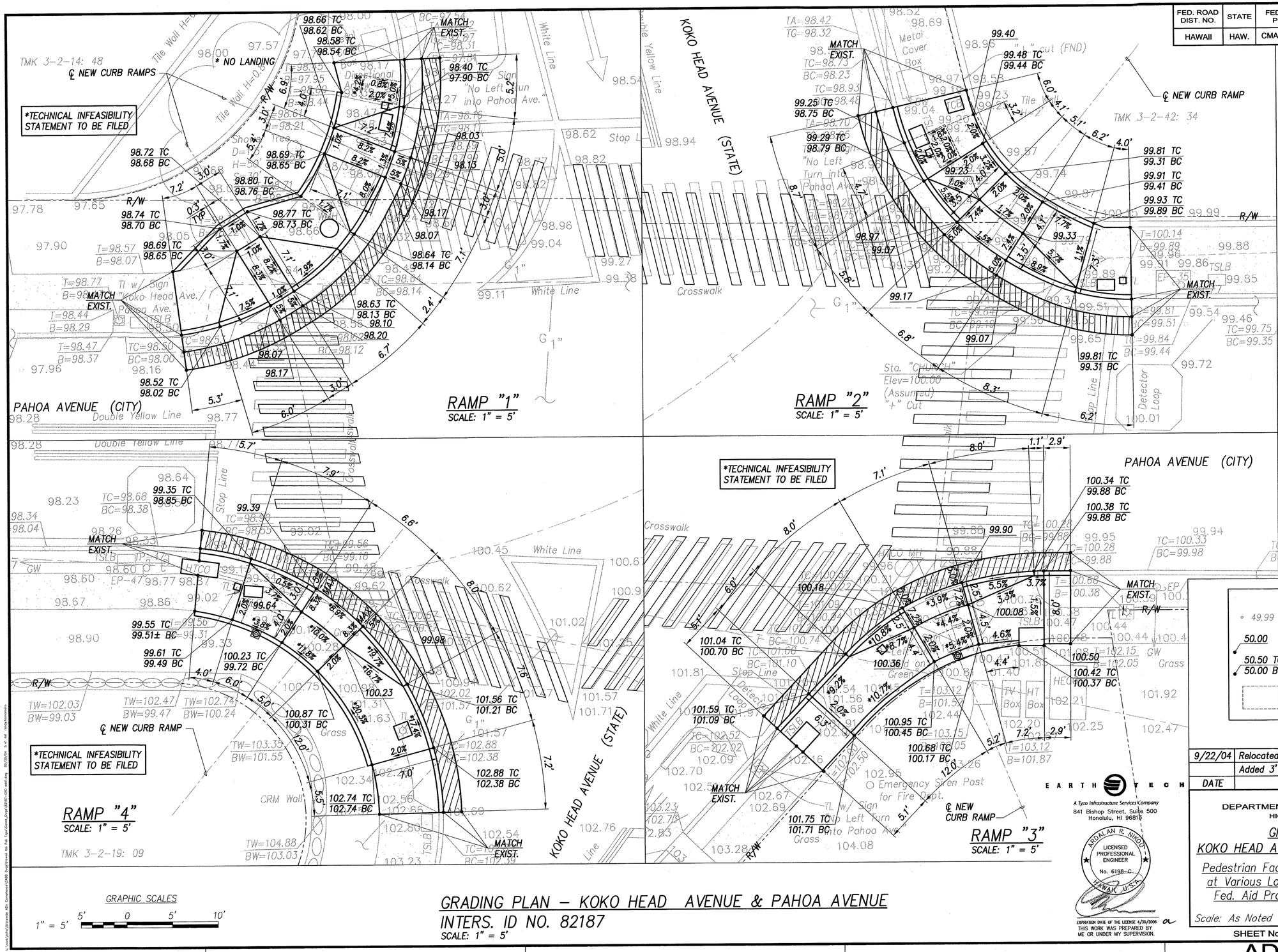
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
KOKO HEAD AVENUE & PAHOA AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-54 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	ADD.56	180



NOTE:
CONTRACTOR TO CONTACT THE ARBORIST TWO (2) PRIOR TO DEMOLITION.

TRUE NORTH
SCALE: 1" = 5'

LEGEND

- ◦ 49.99 EXIST. SPOT ELEVATION
- 50.00 FINISHED SPOT GRADE
- 50.50 TC / 50.00 BC FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
- 30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

DATE	REVISION
9/22/04	Relocated ppb to right ramp, Ramp 4
	Added 3' bypass left curb ramp, Ramp 1

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
No.

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813
ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KOKO HEAD AVENUE & PAHOA AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-55 OF 139 SHEETS

ADD.56

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	57	180

TRUE NORTH SCALE 1" = 10'

R/W

KING STREET (STATE)

KAPIOLANI BOULEVARD (STATE)

KAPIOLANI BLVD. (STATE)

HARDING AVENUE (STATE)

Ramp

Detector Loop

Crosswalk

Stop Line

White Line

Yellow Line

Double Yellow Line

Conc. Wall

Conc. Sidewalk

Gross

Planters

Guard Post H=3

Sign "Harding Ave. Waikiki"

Sign "Waikiki One Way King St."

Sign "Left Lane Must Turn Left"

Sign "Do Not Enter One Way"

Sign "Do Not Enter King St."

Sign "No Right Turn On Red"

Sign "Right Arrow Only"

Sign "Hoohale Ave."

Sign "Harding Ave. Elev=100.00 (Assumed)"

Reflector H=4"

Backflow Preventer H=2.5"

Manila Palms (+)

Abandoned Elect. Outlet H=0.5"

Sprinkler Valve

Sprinkler Pipe

Sprinkler Control Box

Gate Valve

Water Meter

Fire Hydrant

Electric Box

Gas Valve

Telephone Cover Box

Gas Cover Box

Electric Cover Box

Drain Inlet

Catch Basin

Manhole

Concrete Curb

Concrete Gutter

Exposed Conc. Gutter

A.C. Curb

A.C. Dike

Curb Cut

Ramp Slope

Grade Break

Expansion Joint

Street Name Sign

Traffic Signal Box

Traffic Signal Pole

Traffic Signal Cover

Traffic Signal Controller

Traffic Signal Pull Box

Traffic Signal Junction Box

Traffic Signal Conduit

Traffic Signal Loop

Traffic Signal Pedestrian Push Button

Traffic Signal Pedestrian Signal

Traffic Signal Vehicular Signal

Traffic Signal Pedestrian Push Button Post

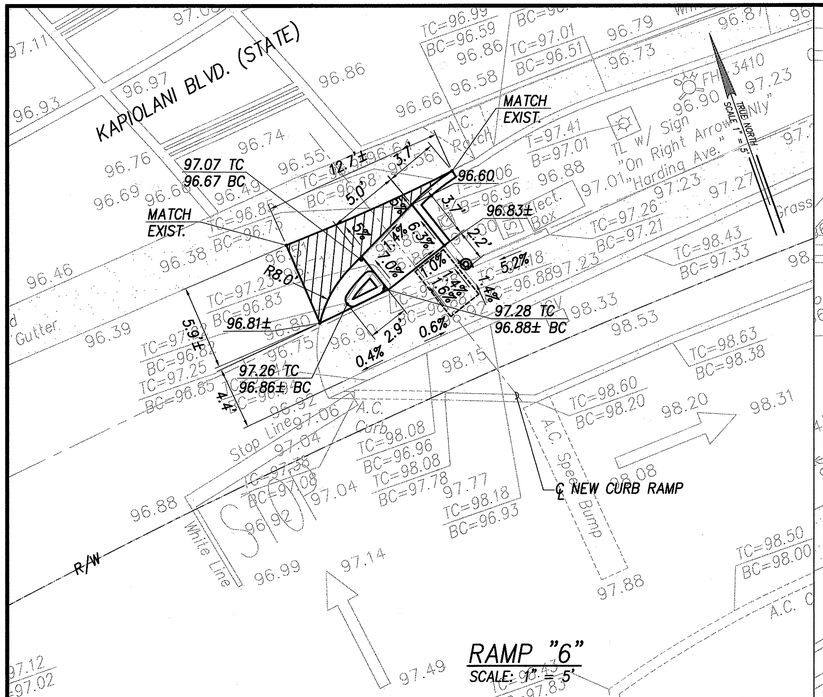
Traffic Signal Vehicular Signal Post

Traffic Signal Pedestrian Signal Post

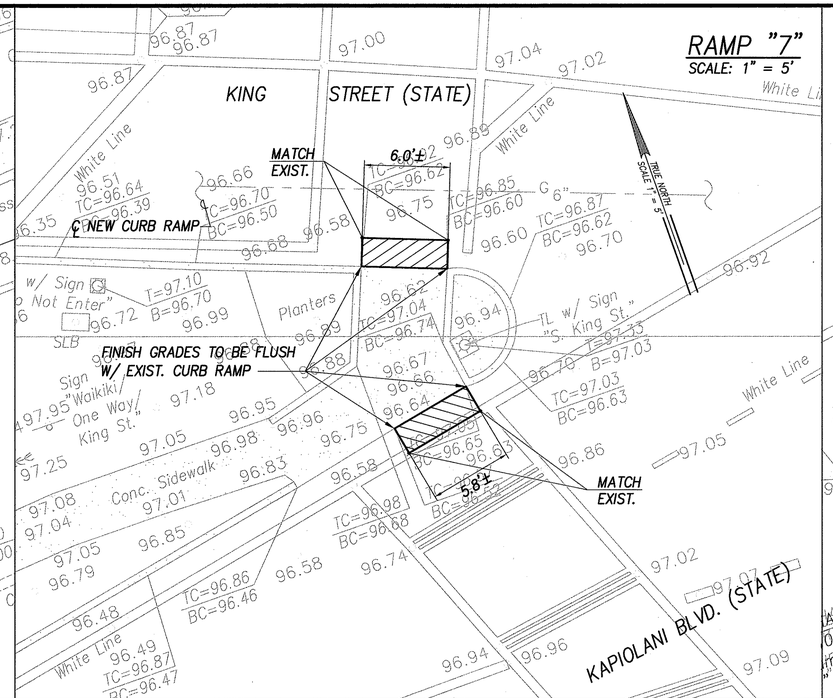
Traffic Signal Vehicular Signal Pedestrian Push Button Post

Traffic Signal Vehicular

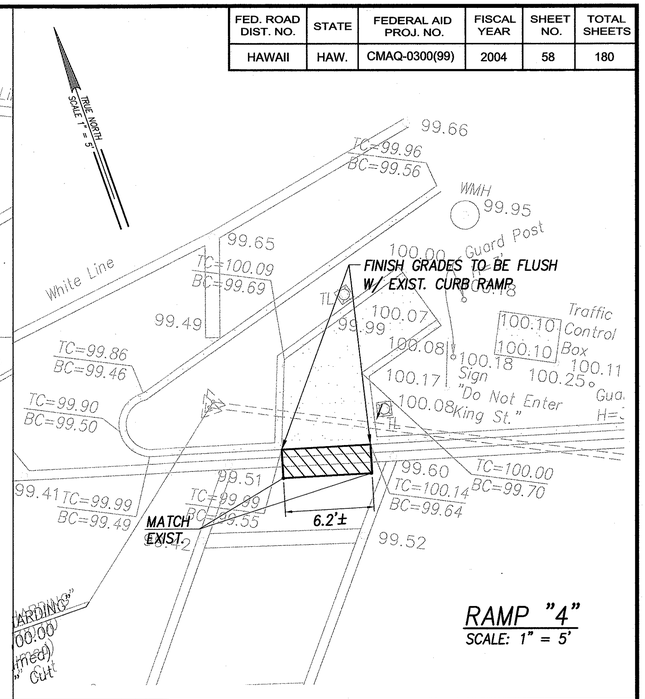
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	58	180



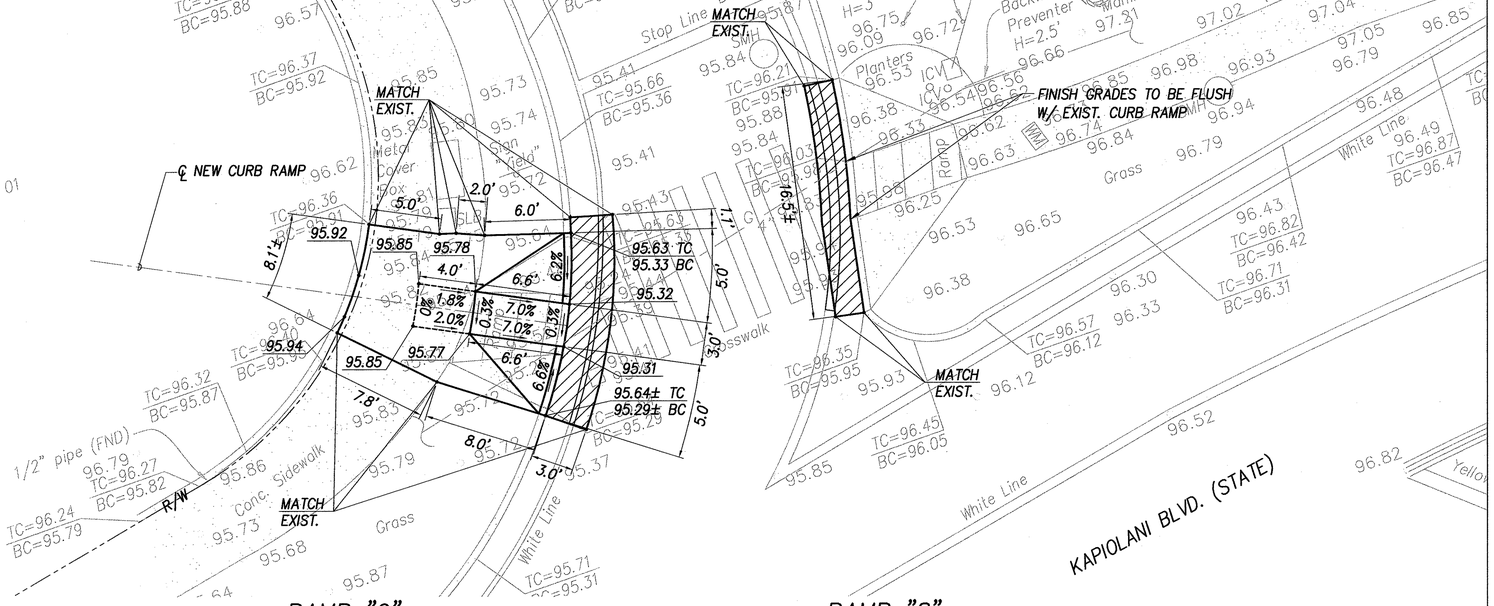
RAMP "6"
SCALE: 1" = 5'



RAMP "7"
SCALE: 1" = 5'



RAMP "4"
SCALE: 1" = 5'



RAMP "9"
SCALE: 1" = 5'

RAMP "8"
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

GRADING PLAN – WAIALAE AVENUE & KAPIOLANI BLVD. (KING)
INTERS. ID NO. 82087
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

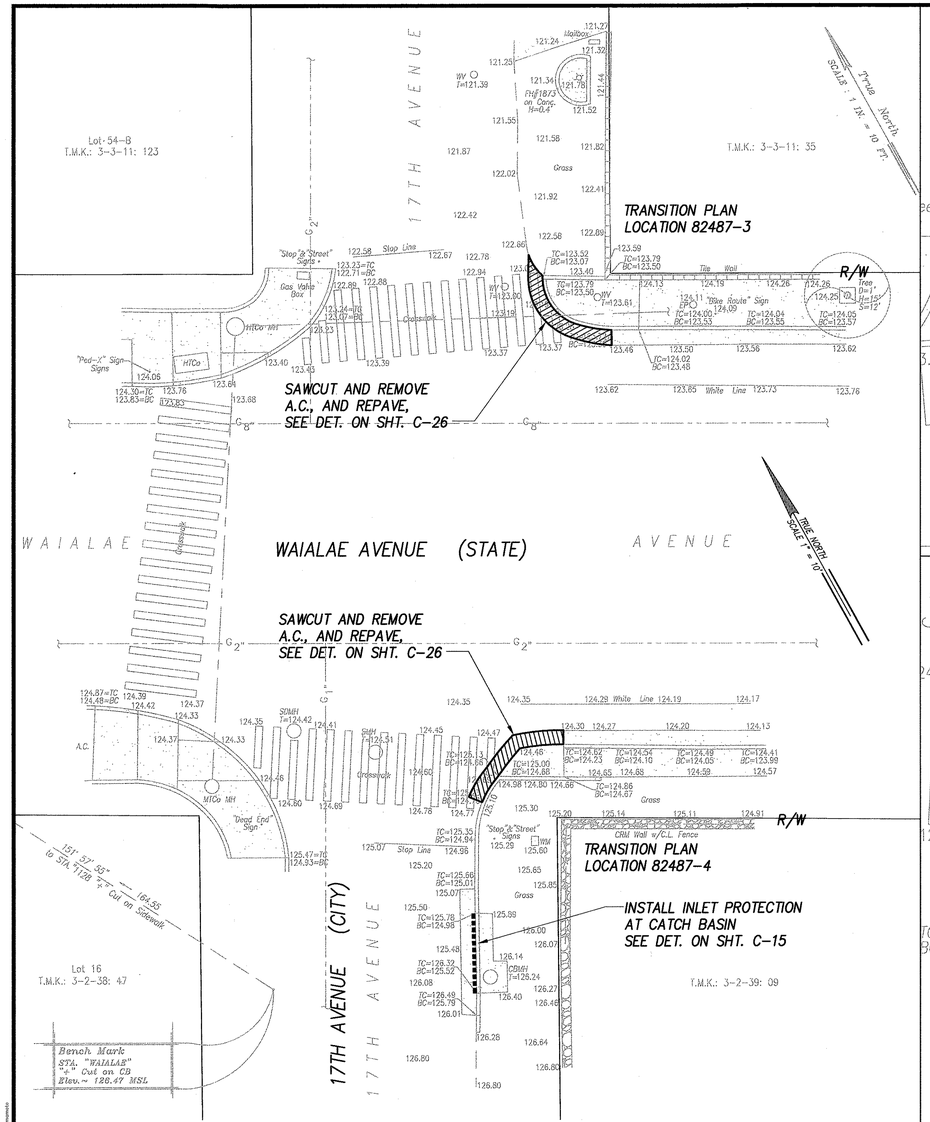
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – WAIALAE AVENUE & KAPIOLANI BLVD. (KING)
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

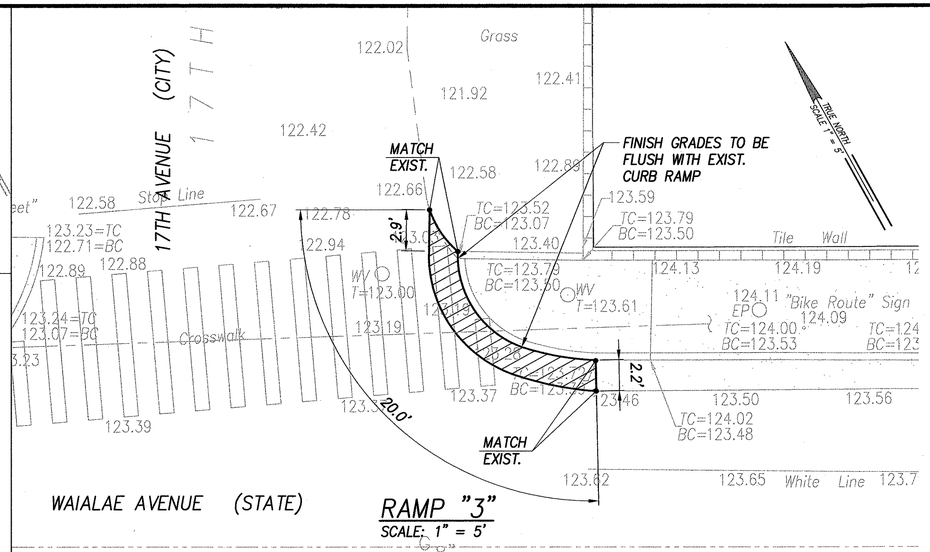
Scale: As Noted Date: August 2004

SHEET No. C-57 OF 139 SHEETS

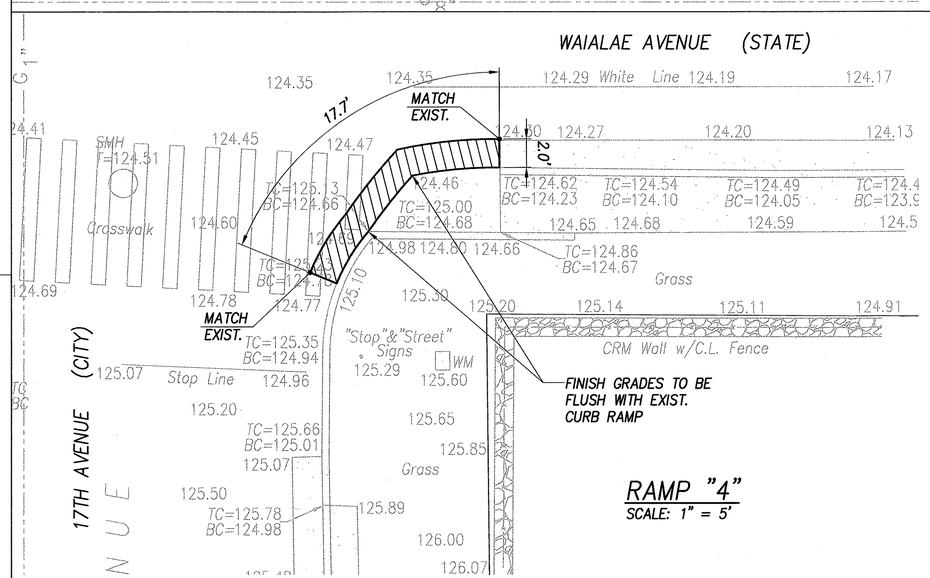
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	59	180



SITE PLAN – WAIALAE AVENUE & 17TH AVENUE
INTERS. ID NO. 82487
SCALE: 1" = 10'



RAMP "3"
SCALE: 1" = 5'



RAMP "4"
SCALE: 1" = 5'

GRADING PLAN – WAIALAE AVENUE & 17TH AVENUE
INTERS. ID NO. 82487
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
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	QUANTITIES BY	
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HIGHWAYS DIVISION

SITE & GRADING PLAN – WAIALAE AVENUE & 17TH AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-58 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	60	180

(1) 80°14'33" 27.93'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

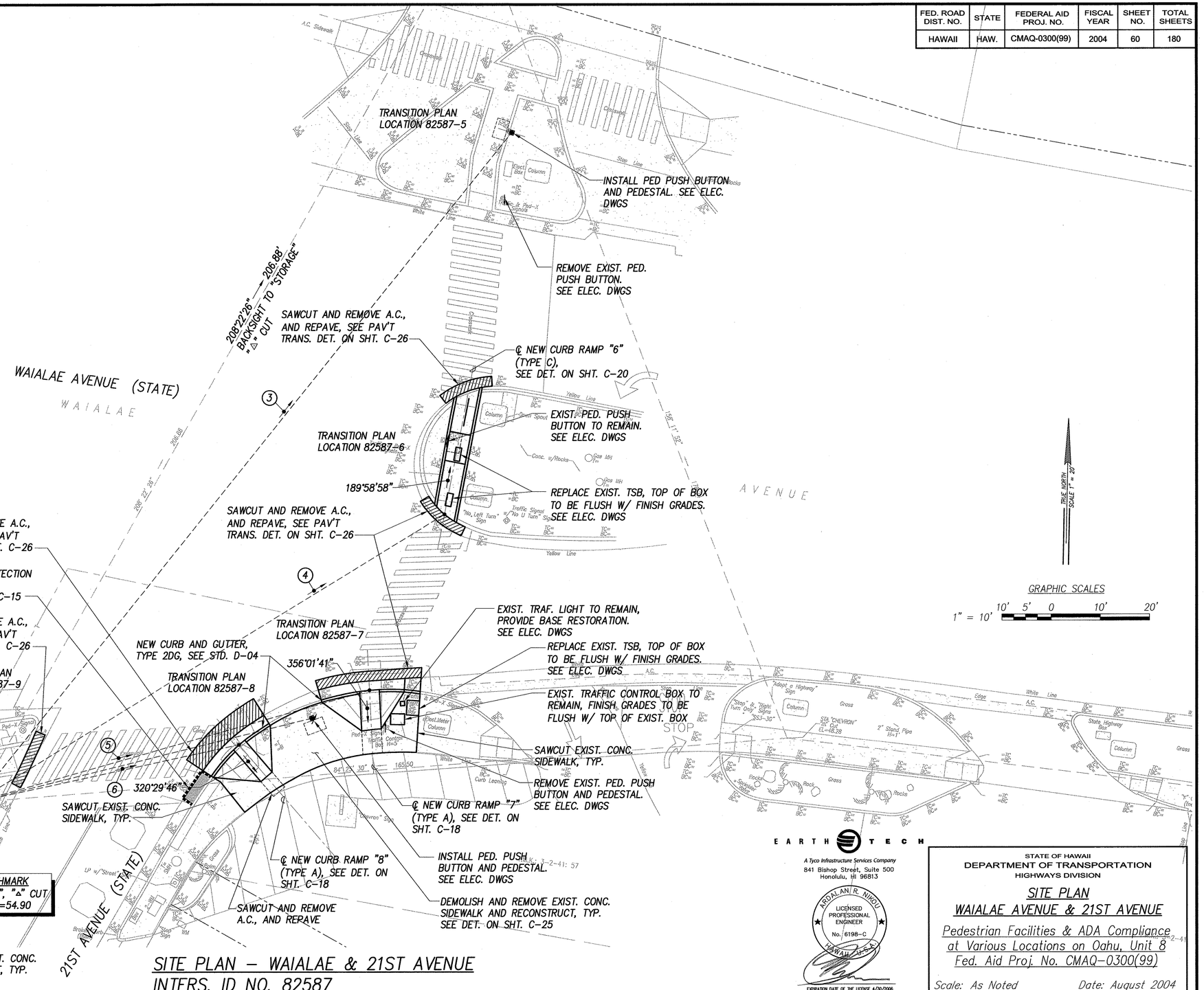
(2) 89°58'03" 30.99'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 217°34'24" 174.55'
TIE: BM TO INTERSECTION OF ℄ PEDESTRIAN PUSH BUTTON

(4) 237°22'51" 111.90'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(5) 253°05'39" 83.27'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(6) 254°56'42" 70.55'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE



SITE PLAN – WAIALAE & 21ST AVENUE
INTERS. ID NO. 82587
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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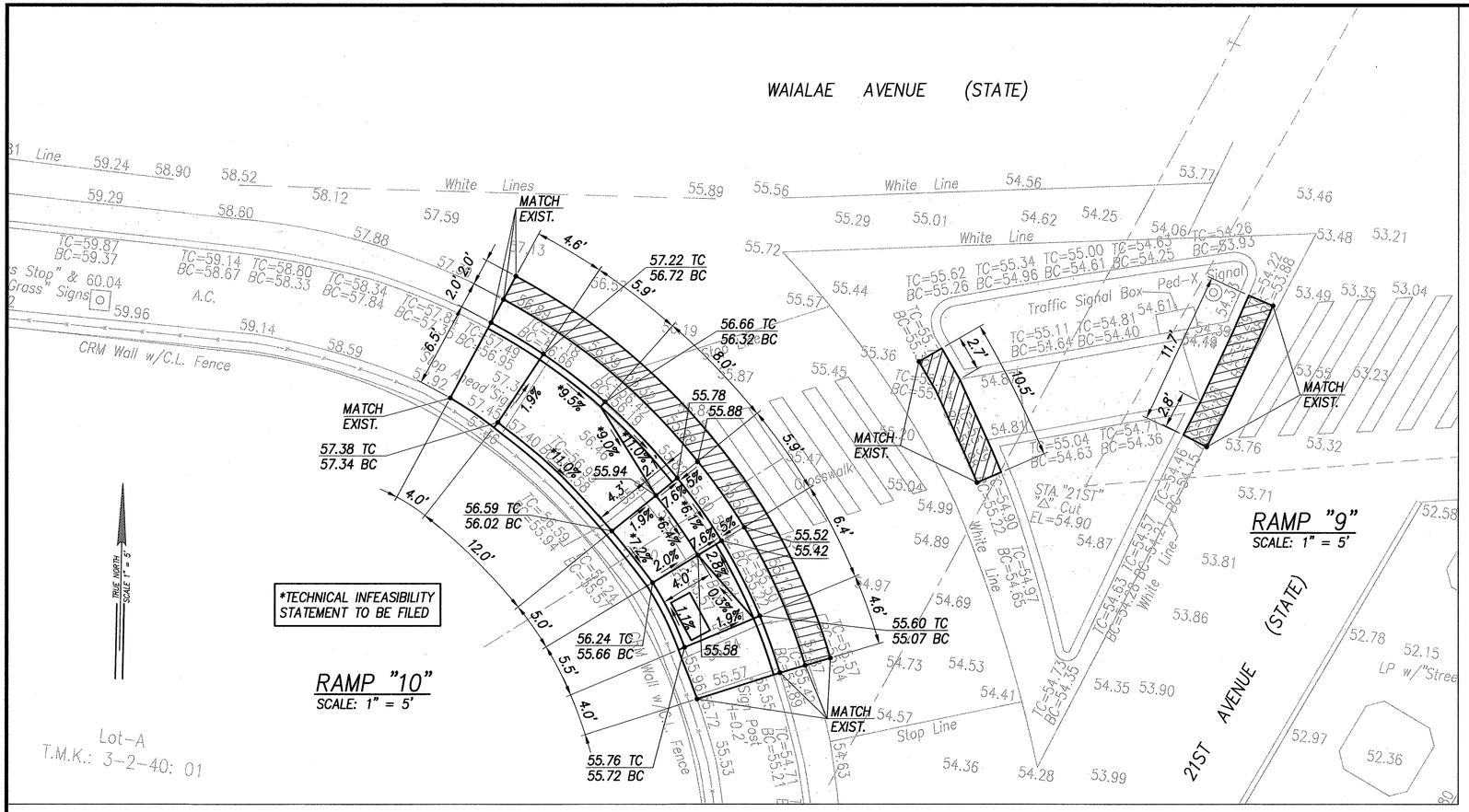
SITE PLAN
WAIALAE AVENUE & 21ST AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-59 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	62	180



GRADING PLAN – WAIALAE AVENUE & 21ST AVENUE
INTERS. ID NO. 82587
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
No.	QUANTITIES BY	"
	CHECKED BY	"

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STATE OF HAWAII
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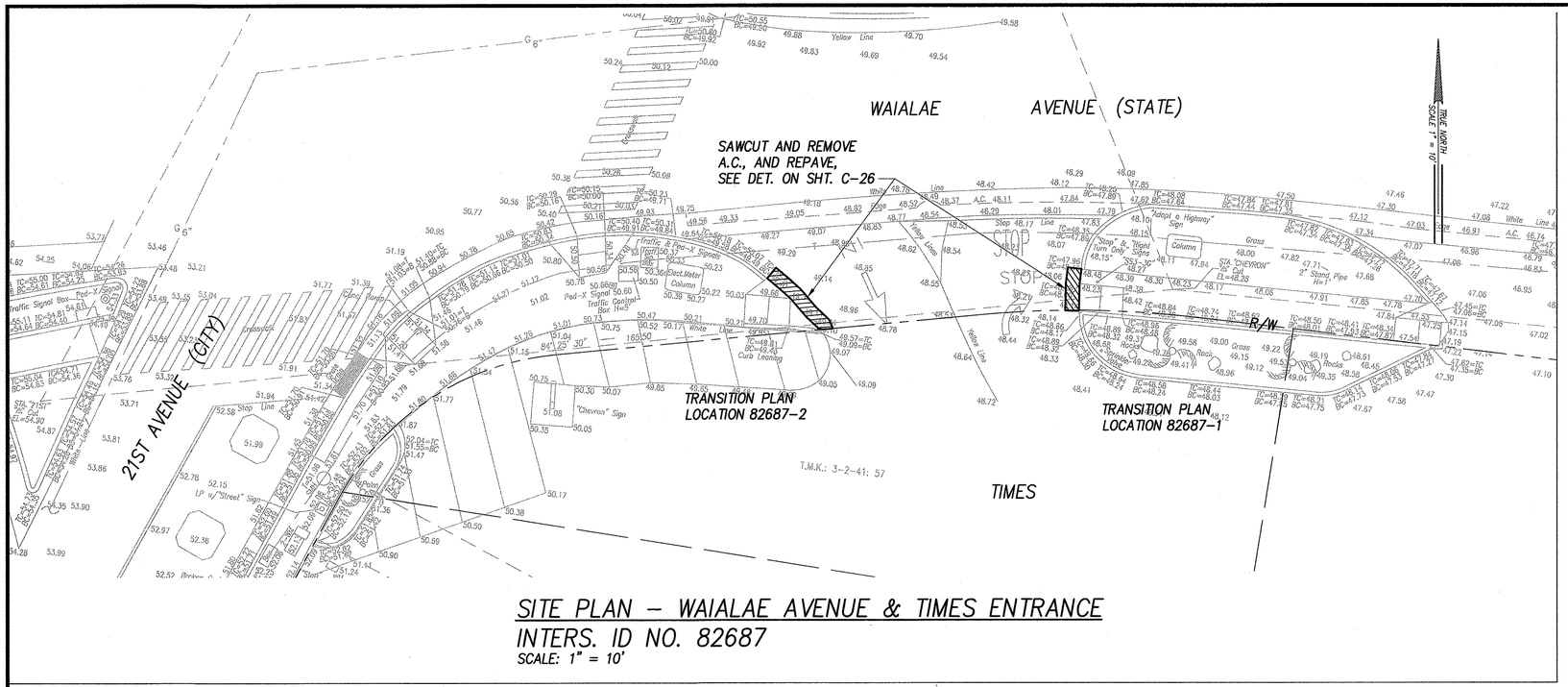
GRADING PLAN
WAIALAE AVENUE & 21ST AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

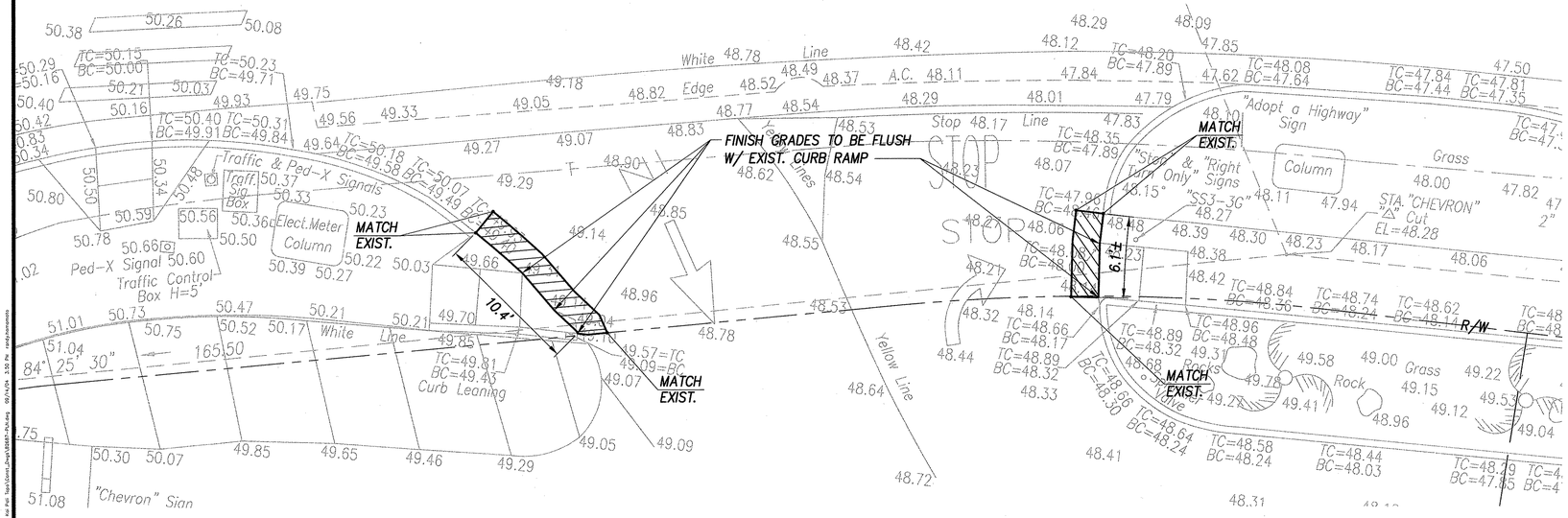
Scale: As Noted Date: August 2004

SHEET No. C-61 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	63	180



SITE PLAN – WAIALAE AVENUE & TIMES ENTRANCE
INTERS. ID NO. 82687
SCALE: 1" = 10'



RAMP "2"
SCALE: 1" = 5'

RAMP "1"
SCALE: 1" = 5'

GRADING PLAN – WAIALAE AVENUE & TIMES ENTRANCE
INTERS. ID NO. 82687
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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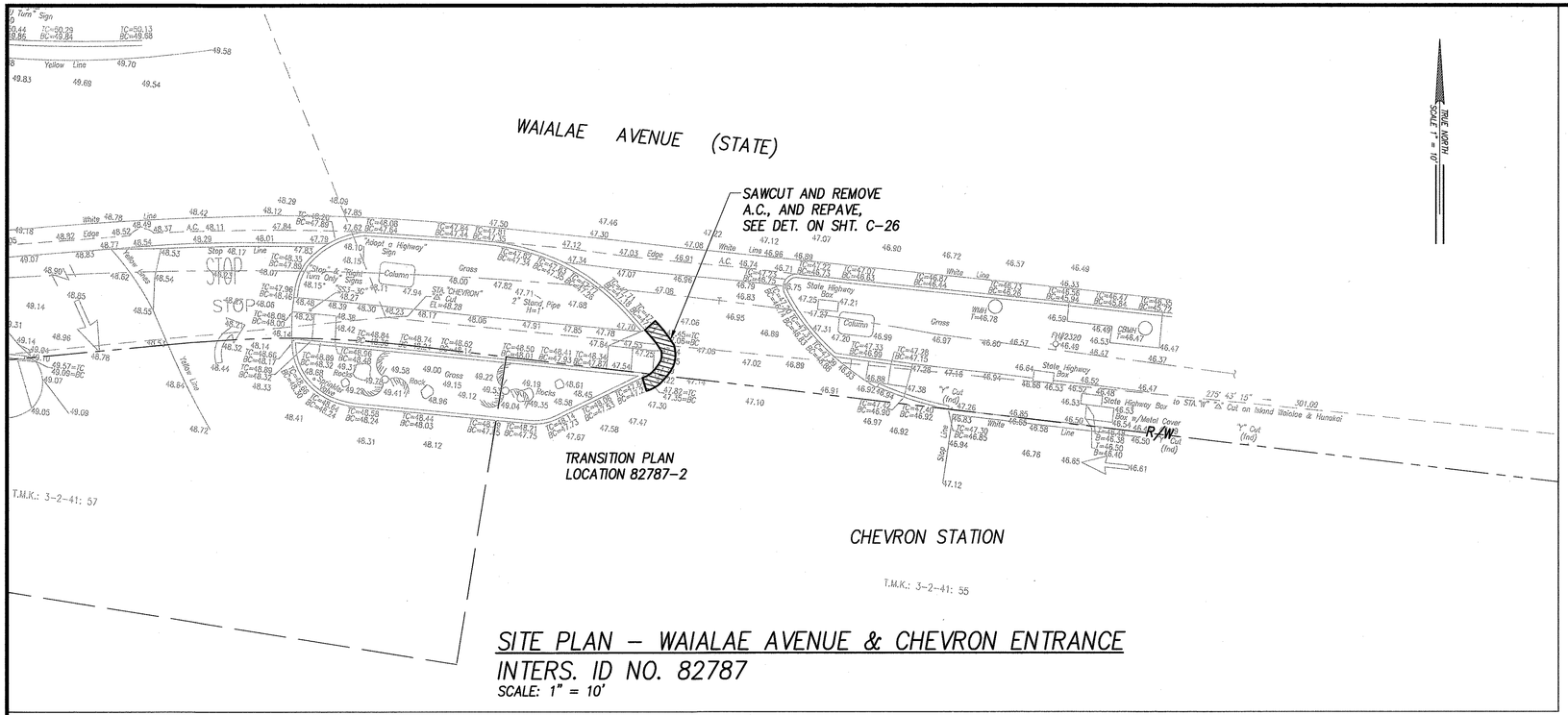
SITE & GRADING PLAN
WAIALAE AVENUE & TIMES ENTRANCE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

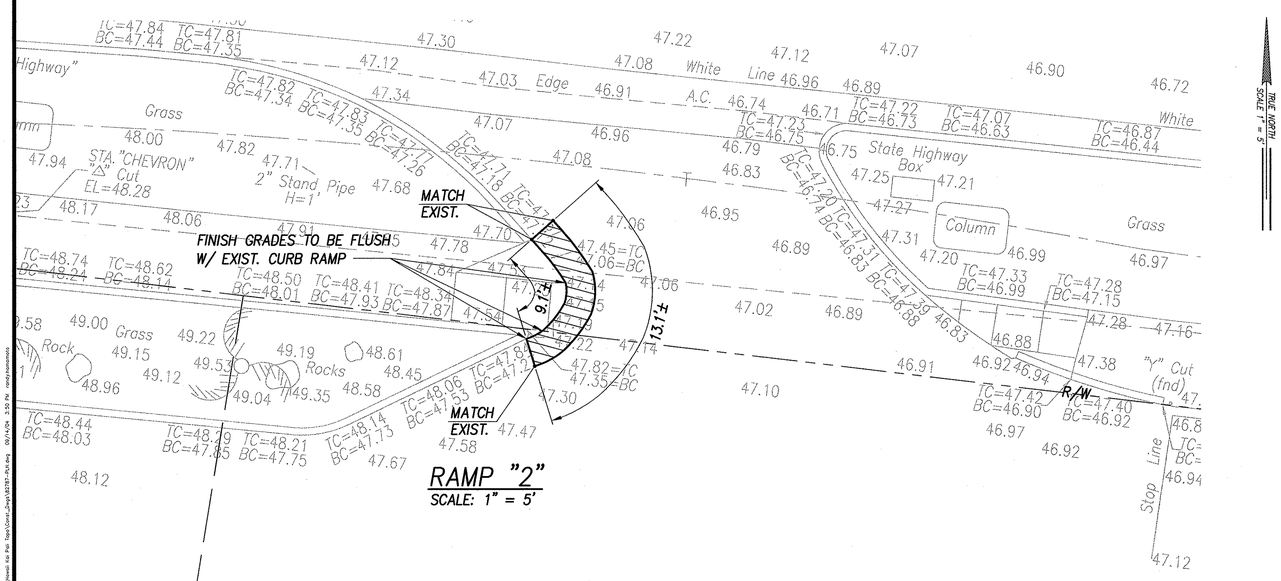
Scale: As Noted Date: August 2004

SHEET No. C-62 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	64	180



SITE PLAN – WAIALAE AVENUE & CHEVRON ENTRANCE
INTERS. ID NO. 82787
SCALE: 1" = 10'



RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – WAIALAE AVENUE & CHEVRON ENTRANCE
INTERS. ID NO. 82787
SCALE: 1" = 5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

I:\Projects\Statewide Job Complete\CMAQ Prog\Waialae Ave & Kahala Ave\Roadway\82787-2SH.dwg 10/14/04 3:58 PM rdelacruz

LEGEND	
◦ 49.99	EXISTING SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' (10' 5' 0 10' 20')

1" = 5' (5' 0 5' 10')

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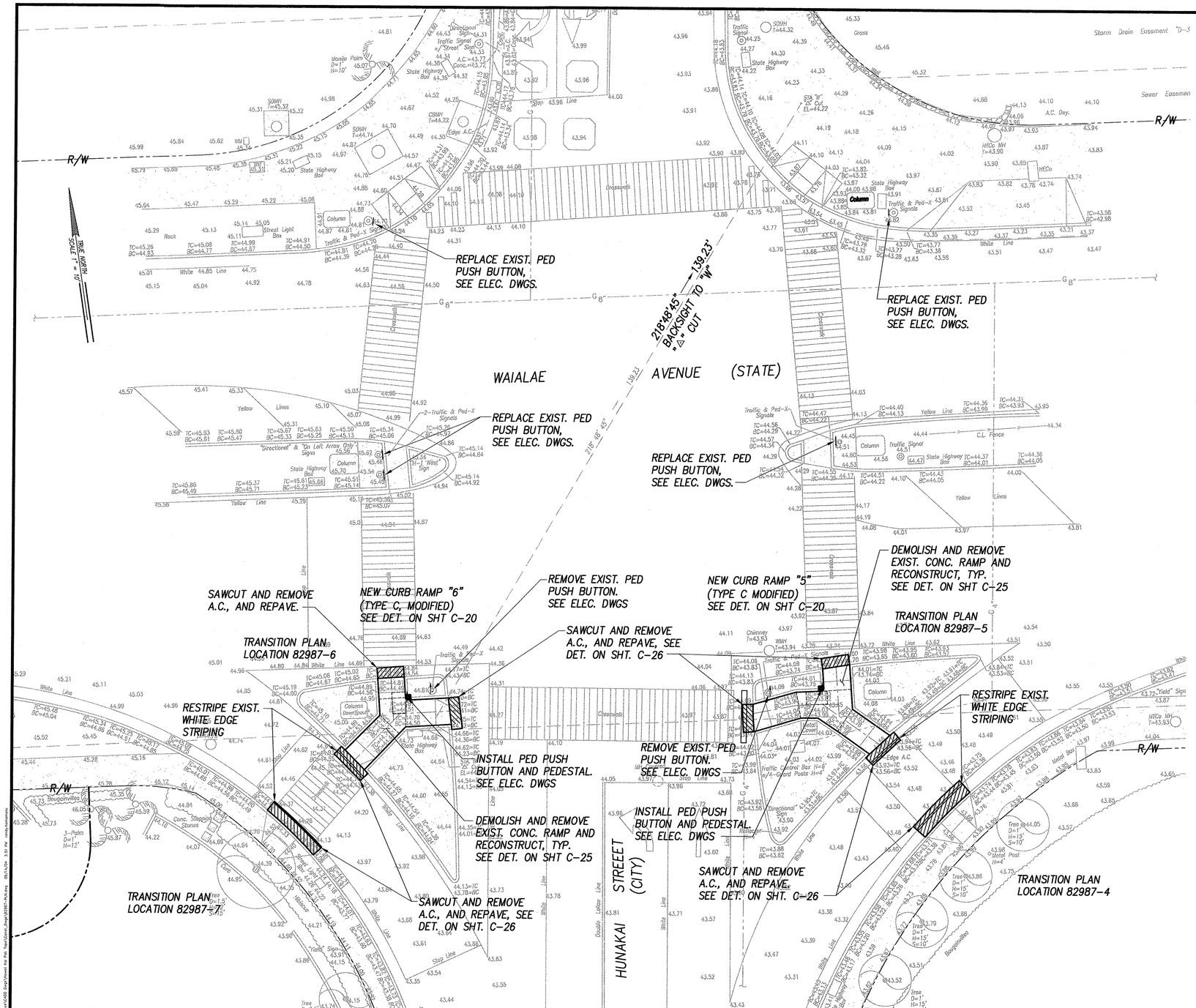
SITE & GRADING PLAN
WAIALAE AVENUE & CHEVRON ENTRANCE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-63 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	65	180



SITE PLAN – WAIALAE AVENUE & HUNAKAI STREET

INTERS. ID NO. 82987

SCALE: 1" = 10'

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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Honolulu, HI 96813

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No. 6198-C

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EXPIRATION DATE OF THE LICENSE 4/30/2006

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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SITE PLAN

WAIALAE AVENUE & HUNAKAI STREET

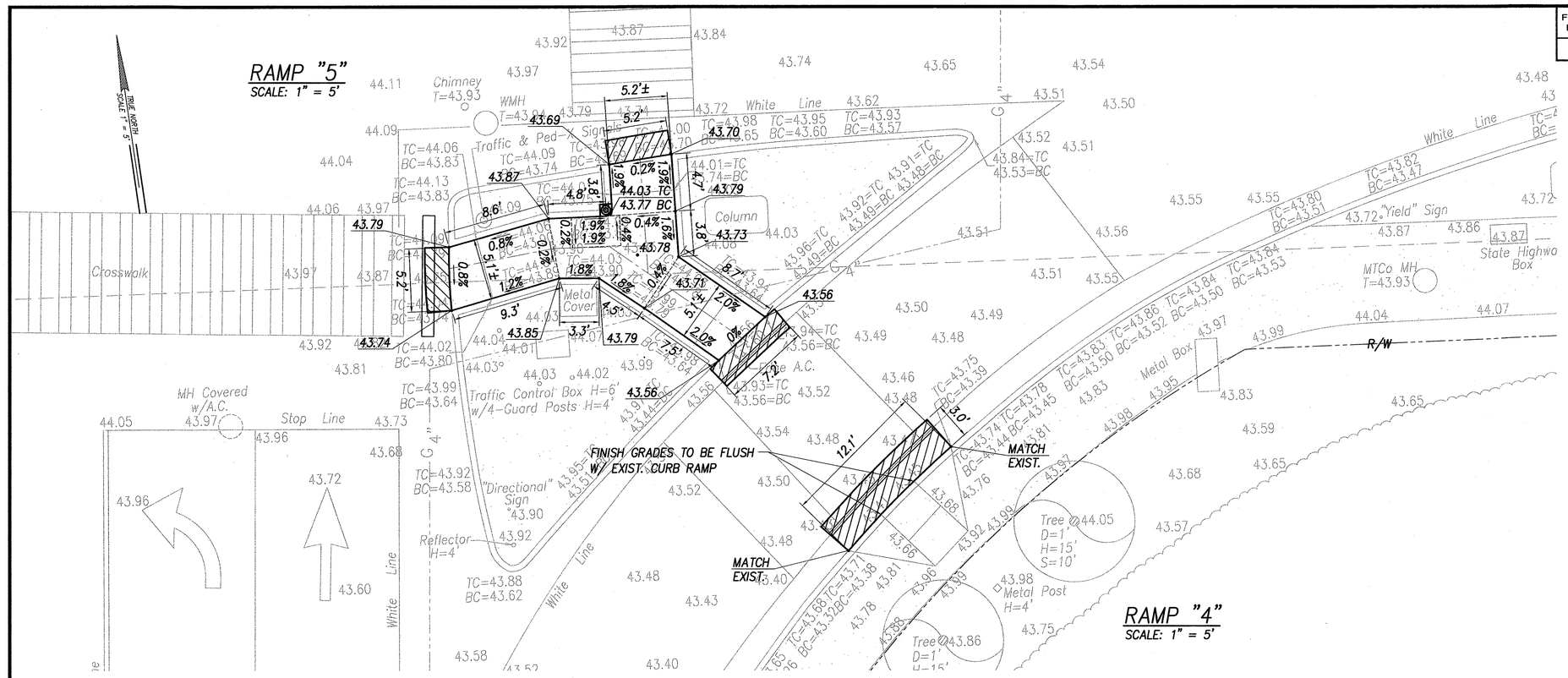
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8

Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-64 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	66	180



SITE PLAN – WAIALAE AVENUE & HUNAKAI STREET
INTERS. ID NO. 82987
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY DATE
DRAWN BY "
TRACED BY "
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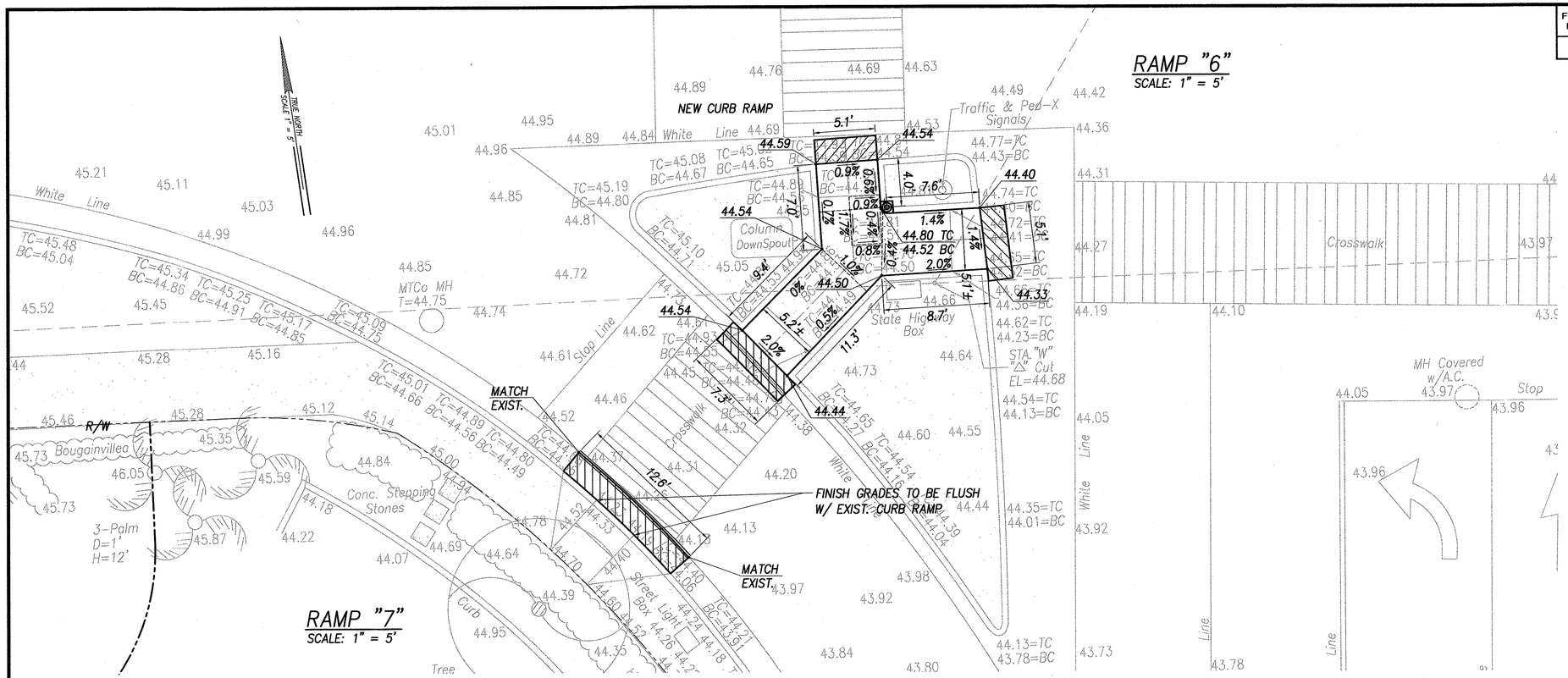
GRADING PLAN
WAIALAE AVENUE & HUNAKAI STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-65 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	67	180



SITE PLAN – WAIALAE AVENUE & HUNAKAI STREET
INTERS. ID NO. 82987
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' (5' 0 5' 10')

SURVEY PLOTTED BY ____ DATE ____
DRAWN BY ____
TRACED BY ____
DESIGNED BY ____
QUANTITIES BY ____
CHECKED BY ____
ORIGINAL PLAN
NOTE BOOK ____ No. ____

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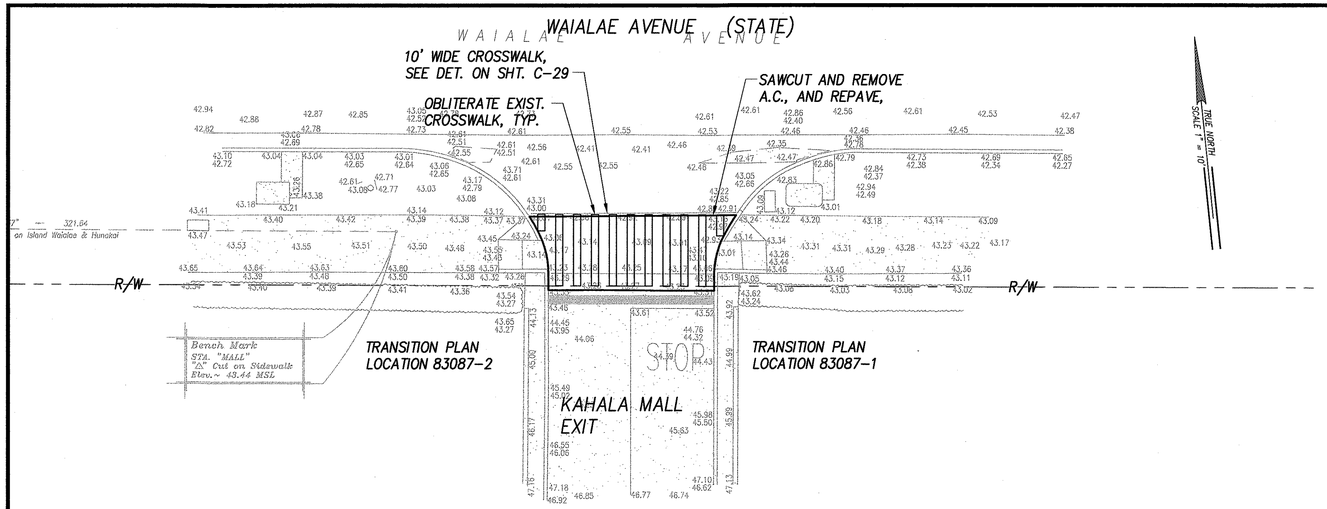
GRADING PLAN
WAIALAE AVENUE & HUNAKAI STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

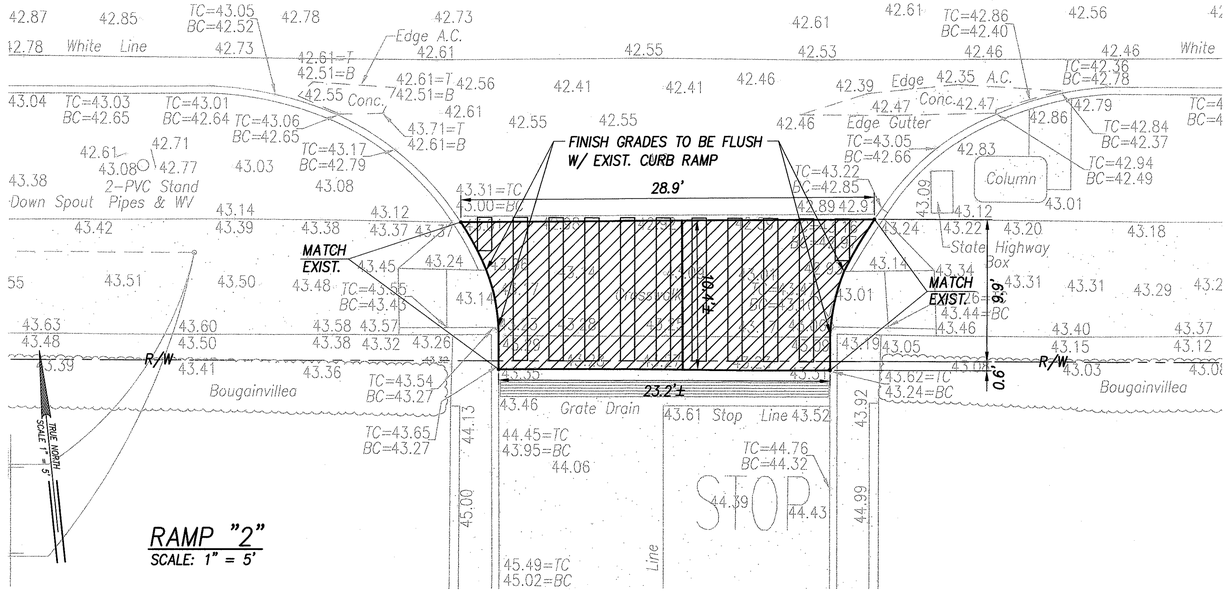
Scale: As Noted Date: August 2004

SHEET No. C-66 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	68	180



SITE PLAN – WAIALAE AVENUE & KAHALA MALL EXIT
INTERS. ID NO. 83087
SCALE: 1" = 10'



RAMP "2"
SCALE: 1" = 5'

RAMP "1"
SCALE: 1" = 5'

GRADING PLAN – WAIALAE AVENUE & KAHALA MALL EXIT
INTERS. ID NO. 83087
SCALE: 1" = 5'

LEGEND	
∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN | SURVEY PLOTTED BY | DATE
DRAWN BY | TRACED BY
NOTE BOOK | DESIGNED BY
No. | QUANTITIES BY
CHECKED BY

L:\work\Wrk\Statewide ADA Compliance\CAD Dwg\Waiawa Ave Pdb Tops\Grad_Dwg\83087-PLN.dwg 09/14/06 3:52 PM yoshy.kobashigawa

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SITE AND GRADING PLAN
WAIALAE AVENUE & KAHALA MALL EXIT

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-67 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	69	180

℄ NEW CURB RAMP "1" (COMBINATION) SEE DET. ON SHT. C-22

TRANSITION PLAN LOCATION 90487-1

CONC. CURB (HEIGHT VARIES)

SAWCUT EXIST. CONC. SIDEWALK, TYP.

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

INSTALL INLET PROTECTION AT CATCH BASIN SEE DET. ON SHT. C-15

REMOVE EXIST. A.C. OVERLAY FROM CONC. GUTTER

RESTRIPE EXIST. WHITE EDGE STRIPE

EXIST. TREES

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

10' WIDE CROSSWALK, TYP. SET DET. ON SHT C-

SAWCUT AND REMOVE A.C., AND REPAVE.

138°41'50"

141°19'24"

322°52'53"

94°23'22"

184°23'22"

TRANSITION PLAN LOCATION 90487-2 TYPE C-MODIFIED

SAWCUT AND REMOVE A.C., AND REPAVE.

CONC. CURB, TYP. (HEIGHT VARIES)

SAWCUT EXIST. CONC. SIDEWALK, TYP.

SAWCUT AND REMOVE A.C., AND REPAVE.

REPLACE EXIST. PED. PUSH BUTTONS. SEE ELEC. DWGS

RELOCATE & REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

KILAUEA AVENUE (CITY)

WAIALAE AVENUE (STATE)

REPLACE EXIST. PED. PUSH BUTTONS. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

238°18'59"

℄ NEW CURB RAMP "4" (TYPE A) SEE DET. ON SHT C-18

TRANSITION PLAN LOCATION 90487-4

RESTRIPE EXIST. WHITE EDGE STRIPE

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

REMOVE EXIST. A.C. OVERLAY FROM CONC. GUTTER

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

REPLACE EXIST. PED. PUSH BUTTONS. SEE ELEC. DWGS

TRUE NORTH SCALE 1" = 10'

122.68

202°19'55", 122.68' BACKSIGHT TO "GAS" "△" CUT

AVENUE

REPLACE EXIST. PED. PUSH BUTTONS. SEE ELEC. DWGS

SAWCUT AND REMOVE A.C., AND REPAVE.

TRANSITION PLAN LOCATION 90487-7 TYPE C-MODIFIED

SAWCUT EXIST. CONC. SIDEWALK, TYP.

CONC. CURB, TYP. (HEIGHT VARIES)

SAWCUT AND REMOVE A.C., AND REPAVE.

10' WIDE CROSSWALK, TYP... SEE DET. ON SHT C-

OBLITERATE EXIST. CROSSWALK AND 12" WIDE STOP BAR

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

NEW CONC. THRU GUTTER SEE DET. ON SHT C-

SAWCUT AND REMOVE A.C., AND REPAVE.

CONC. CURB (HEIGHT VARIES)

SAWCUT AND REMOVE A.C., AND REPAVE.

02°19'41"

90°19'24"

CONC. CURB, TYP. (HEIGHT VARIES)

SAWCUT AND REMOVE A.C., AND REPAVE.

TRANSITION PLAN LOCATION 90487-8 TYPE C-MODIFIED

REPLACE EXIST. PED. PUSH BUTTONS. SEE ELEC. DWGS

RESTRIPE EXIST. WHITE EDGE STRIPE

235°04'48"

SAWCUT EXIST. CONC. SIDEWALK, TYP.

54°51'00"

℄ NEW CURB RAMP "9" (TYPE A) SEE DET. ON SHT. C-18

TRANSITION PLAN LOCATION 90487-9

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

KILAUEA AVENUE (CITY)

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

SAWCUT AND REMOVE A.C., AND REPAVE.

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

BENCHMARK "SS 3-3H", BRASS DISK ELEV.=39.77

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

12" WIDE WHITE STOP BAR, TYP. SEE DET. ON SHT C-29

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

REPLACE EXIST. STREET LIGHT BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

76°01'01"

327°16'08"

TRANSITION PLAN LOCATION 90487-6

℄ NEW CURB RAMP "6" (TYPE A & TYPE D) SEE DETS. ON SHTS. C-18 & C-21

SAWCUT AND REMOVE A.C., AND REPAVE.

SAWCUT EXIST. CONC. SIDEWALK, TYP.

①	88°54'40" 107.74' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
②	95°30'35" 93.11' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
③	100°24'40" 83.44' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
④	105°26'37" 91.90' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
⑤	144°42'45" 163.95' TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
⑥	145°26'53" 128.91' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
⑦	146°36'15" 164.49' TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
⑧	146°56'18" 144.64' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
⑨	150°23'26" 132.71' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
⑩	163°37'26" 11.82' TIE: BM TO INTERSECTION OF ℄ PEDESTRIAN PUSH BUTTON
⑪	194°08'31" 128.37' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
⑫	284°56'15" 45.80' TIE: BM TO INTERSECTION OF ℄ RAMP
⑬	292°11'28" 29.03' TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | NOTE BOOK | No.

SITE PLAN – WAIALAE AVENUE & KILAUEA AVENUE

INTERS. ID NO. 90487

SCALE: 1" = 10'

EARTH TECH

A Tyco Infrastructure Services Company

841 Bishop Street, Suite 500

Honolulu, HI 96813

ARDALAN R. NIKOU LICENSED PROFESSIONAL ENGINEER No. 6198-C HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

SITE PLAN

WAIALAE AVENUE & KILAUEA AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8

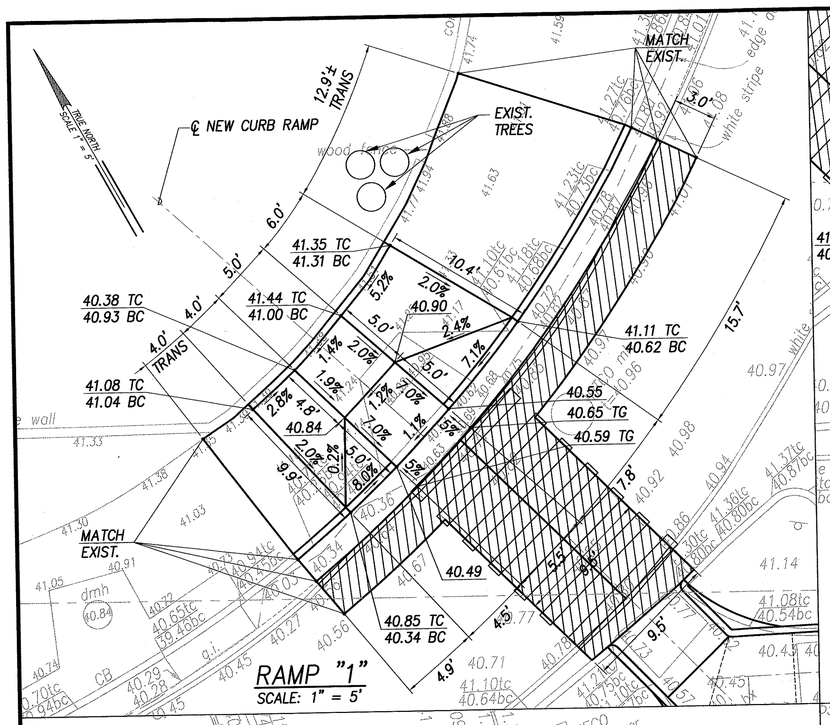
Fed. Aid Proj. No. CMAQ-0300(99)

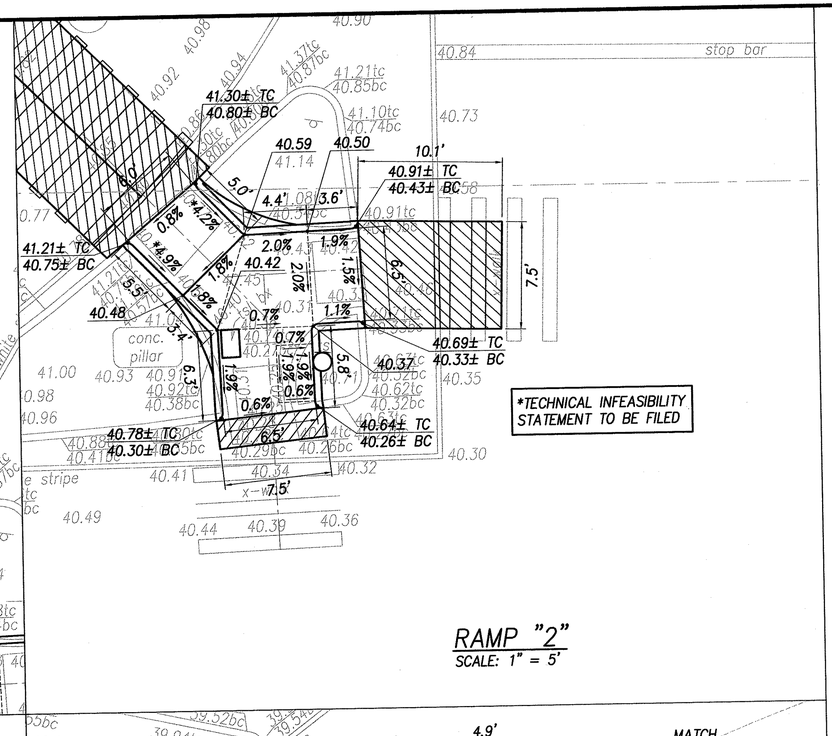
Scale: As Noted Date: August 2004

SHEET No. C-68 OF 139 SHEETS

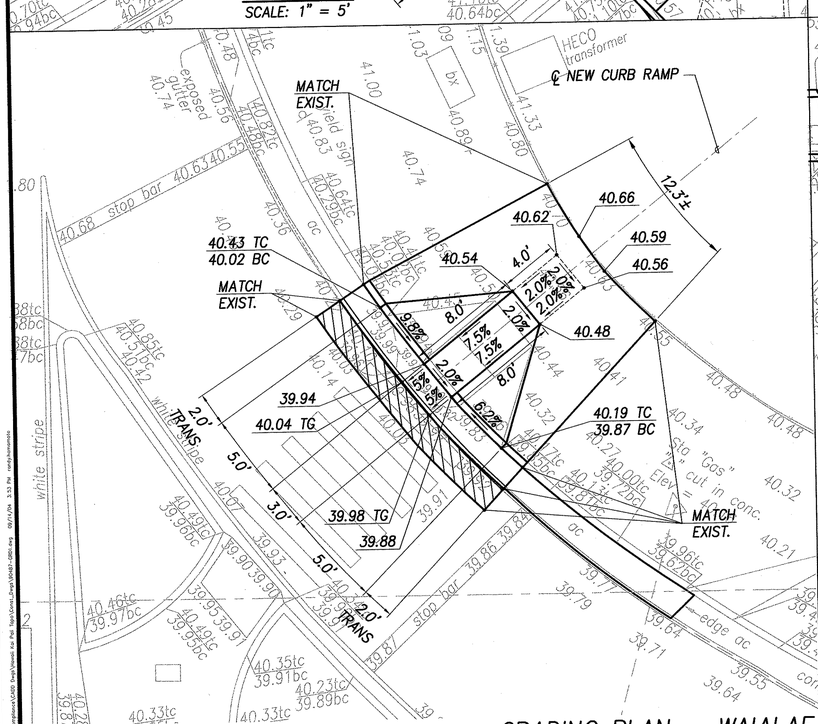
"AS-BUILT" 69

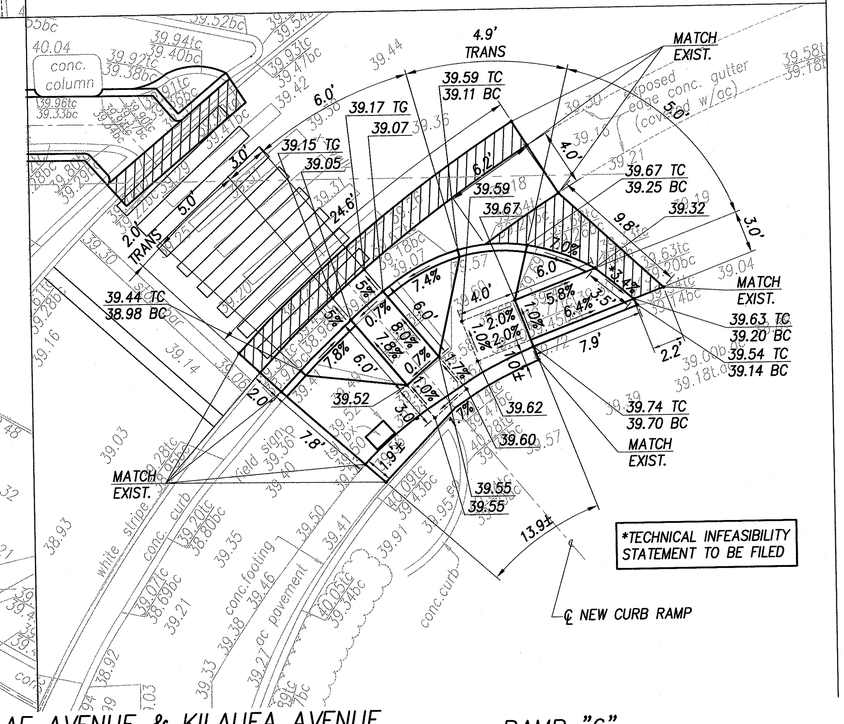
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	70	180





*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED





*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED

℄ NEW CURB RAMP

GRADING PLAN – WAIALAE AVENUE & KILAUEA AVENUE
INTERS. ID NO. 90487
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

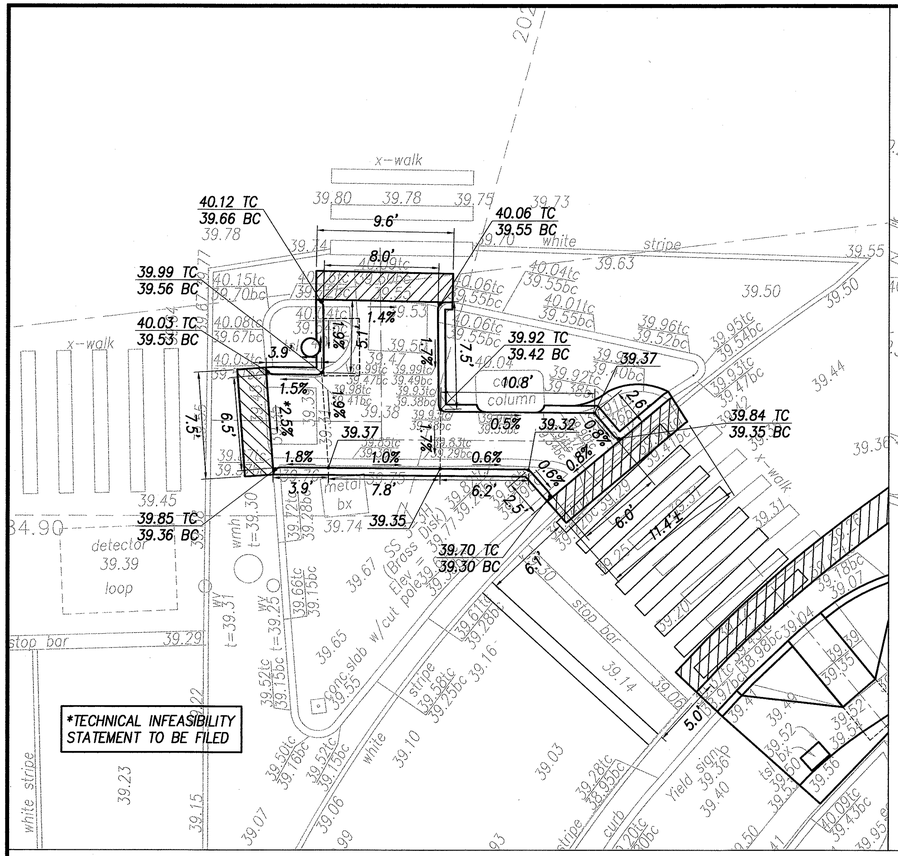
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
WAIALAE AVENUE & KILAUEA AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

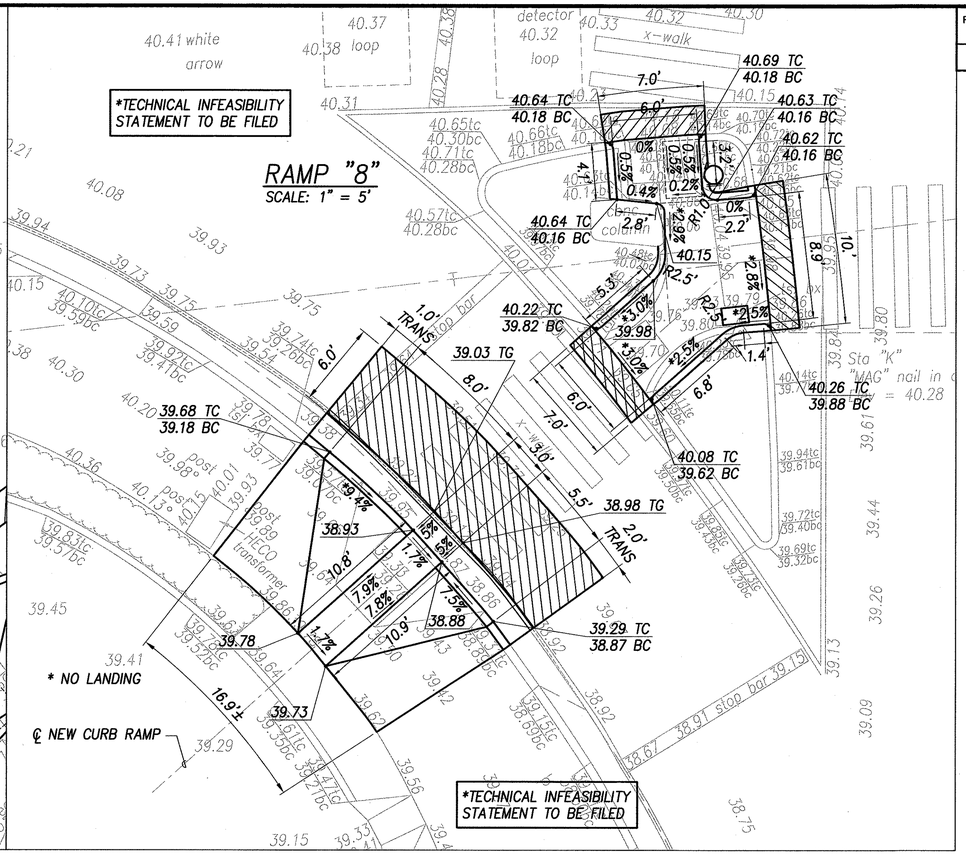
Scale: As Noted Date: August 2004

SHEET No. C-69 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	71	180



RAMP "7"
SCALE: 1" = 5'



RAMP "9"
SCALE: 1" = 5'

GRADING PLAN – WAIALAE AVENUE & KILAUEA AVENUE
INTERS. ID NO. 90487
SCALE: 1" = 5'

LEGEND

- 49.99 — EXIST. SPOT ELEVATION
- 50.00 — FINISHED SPOT GRADE
- 50.50 TC / 50.00 BC — FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
- 30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

TRUE NORTH
SCALE 1" = 5'

GRAPHIC SCALES
1" = 5' — 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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HIGHWAYS DIVISION

GRADING PLAN
WAIALAE AVENUE & KILAUEA AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted — Date: August 2004

SHEET No. C-70 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	72	180

AINAKOA AVENUE (CITY)

KALANIANAOLE HIGHWAY (STATE)

K A L A N I A N A O L E H I G H W A Y

SCALE 1" = 10'

TRUE NORTH

REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 33188-6

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET ON SHT C-26

Bench Mark
Sta. "KUI"
"Mag Nail" in A.C.
Elev.=50.00 ASSUMED

RESTRIPE EXIST. WHITE EDGE STRIPE

INSTALL PED. PUSH BUTTON PEDESTAL. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

EXIST. TELEPHONE BOX TO REMAIN, ADJUST TOP OF BOX TO BE FLUSH W/ FINISHED GRADES

10' WIDE CROSSWALK, TYP... SEE DET. ON SHT C-29

EXIST. PED. PUSH BUTTON TO REMAIN. SEE ELEC. DWGS

NEW CURB AND GUTTER, TYPE 2-DG, SEE STD. D-04

28°53'31"

CONC. CURB, TYP. (HEIGHT VARIES)

℄ NEW CURB RAMP "9" (COMBINATION) SEE DET. ON SHT C-22

278°04'20"

OBLITERATE EXIST. CROSSWALK, TYP.

43°33'02"

TRANSITION PLAN LOCATION 33188-9

RELOCATE AND REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

96° 28' 45" — 405.97 from STA. "POL-2" "+" Cut HTCO MH Rim

(1) 247°13'18" 97.44'
TIE: BM TO INTERSECTION OF C PED. PUSH BUTTON PEDESTAL

(2) 302°58'41" 11.01'
TIE: BM TO INTERSECTION OF C CROSSWALK AND CURB FACE

(3) 303°08'42" 7.97'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 304°51'03" 14.62'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

AINAKOA AVENUE (CITY)

W A I K A N A S T R E E T

Lot 55
T.M.K.: 3-5-44: 15

3-5-44: 16

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN - KALANIANAOLE HWY & AINAKOA AVENUE
INTERS. ID NO. 33188
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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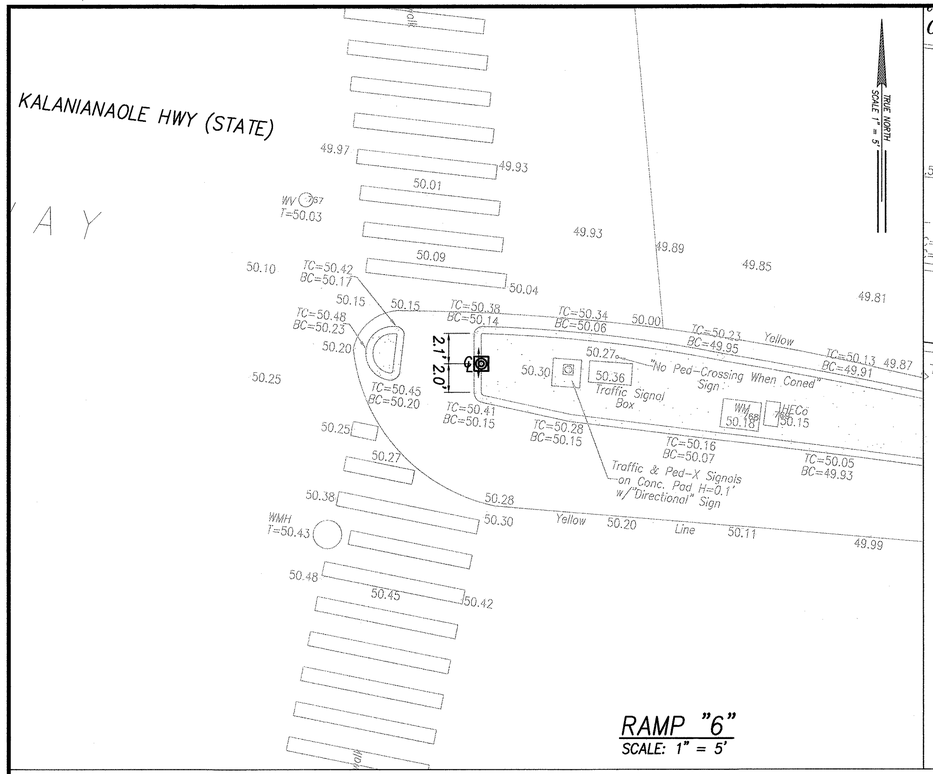
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

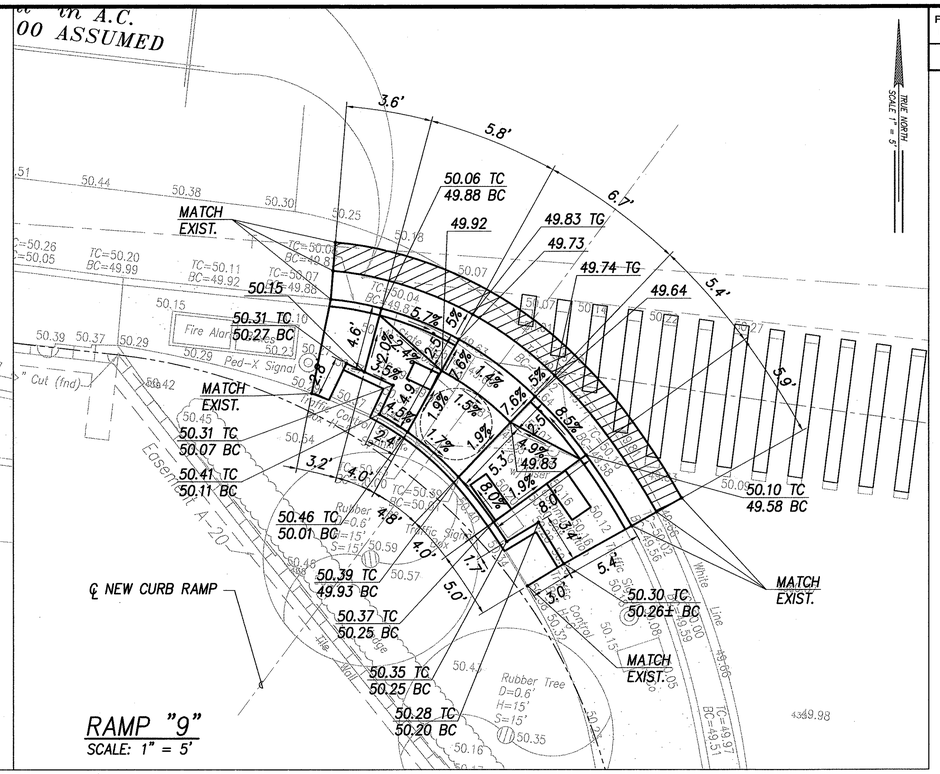
SITE PLAN
KALANIANAOLE HWY & AINAKOA AVENUE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-71 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	73	180





GRADING PLAN – KALANIANAOLE HWY & AINAKOA AVENUE

INTERS. ID NO. 33188

SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KALANIANAOLE HWY & AINAKOA AVENUE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-72 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	74	180

KALANIANAOLE HIGHWAY

KALANIIKI STREET (CITY)

WAIELI STREET (CITY)

Lot B-4-A-1
T.M.K.: 3-5-20: 04

Lot 67
T.M.K.: 3-5-44: 01

Lot 68
T.M.K.: 3-5-42: 45

256°27'48"

℄ NEW CURB RAMP "2" (TYPE A) SEE DET. ON SHT C-18

TRANSITION PLAN LOCATION 32488-2

EXIST. TRAFF. SIGNAL LIGHT TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

RESTRIPE EXIST. WHITE EDGE STRIPE

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

INSTALL INLET PROTECTION AT CATCH BASIN, TYP. SEE DET. ON SHT. C-15

SAWCUT EXIST. CONC. SIDEWALK, TYP.

EXIST. PED. PUSH BUTTON TO REMAIN. SEE ELEC. DWGS

1 219°50'05" 151.96'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

2 283°27'29" 105.47'
TIE: BM TO INTERSECTION OF ℄ PEDESTAL

3 301°22'11" 29.24'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

4 304°51'24" 34.57'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

Bench Mark
Sta. "KALANI"
"X" Cut Corner Gutter
Elev.=50.00 ASSUMED

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

EXIST. TRAFF. SIGNAL LIGHT TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS.

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

EXIST. TRAFF. SIGNAL LIGHT TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

℄ PED. PUSH BUTTON PEDESTAL, SEE ELEC. DWGS.

96° 39' 59" — 1019.23 from STA. "WAI-1" "Mag Nail"

50°44'21"

57°04'26"

TRANSITION PLAN LOCATION 32488-6

℄ NEW CURB RAMP "6" (COMBINATION) SEE DET. ON SHT C-22

CONC. CURB (HEIGHT VARIES)

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

RESTRIPE EXIST. WHITE EDGE STRIPE

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

TRANSITION PLAN LOCATION 32488-5

SITE PLAN - KALANIANAOLE HWY & KALANIIKI STREET
INTERS. ID NO. 32488
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
NOTE BOOK	DESIGNED BY	"
No.	QUANTITIES BY	"
	CHECKED BY	"

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

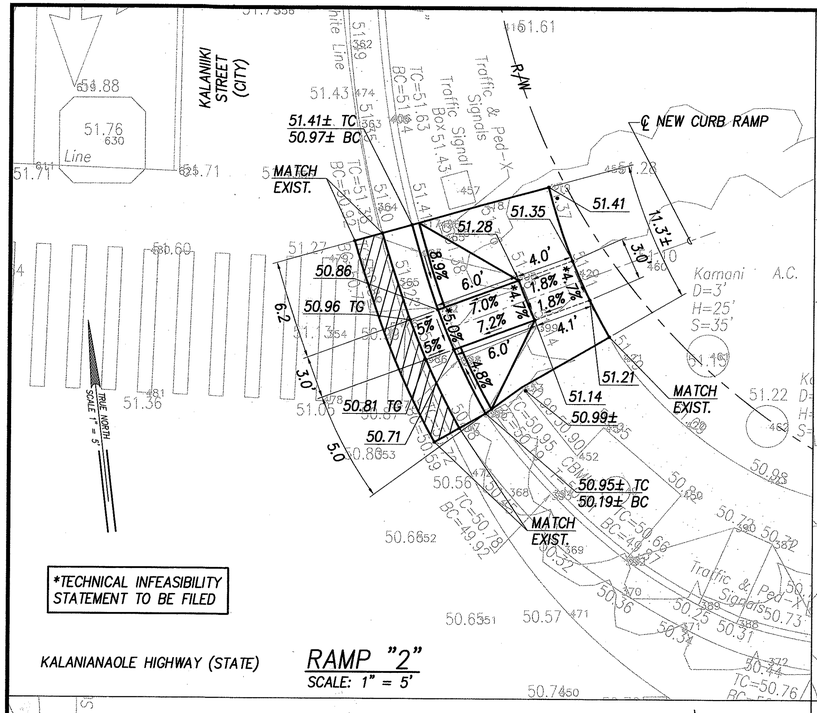
SITE PLAN - KALANIANAOLE HWY & KALANIIKI STREET

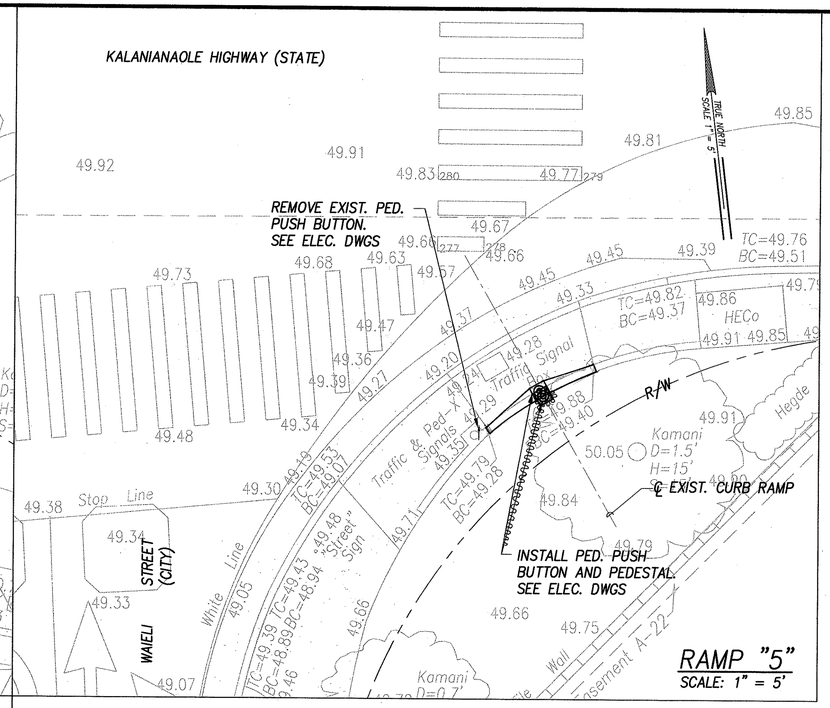
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

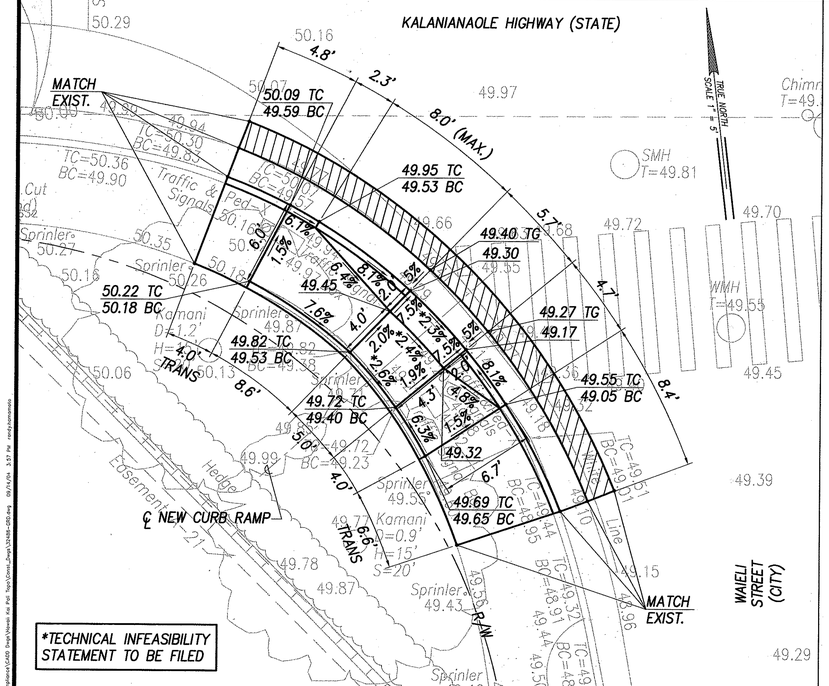
Scale: As Noted Date: August 2004

SHEET No. C-73 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	75	180







NOTE:
CONTRACTOR TO CONTACT THE ARBORIST TWO (2) WEEKS PRIOR TO DEMOLITION.

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' (5' 0 5' 10')

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
	TRACED BY	"
NOTE BOOK	DESIGNED BY	"
	QUANTITIES BY	"
No.	CHECKED BY	"

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Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

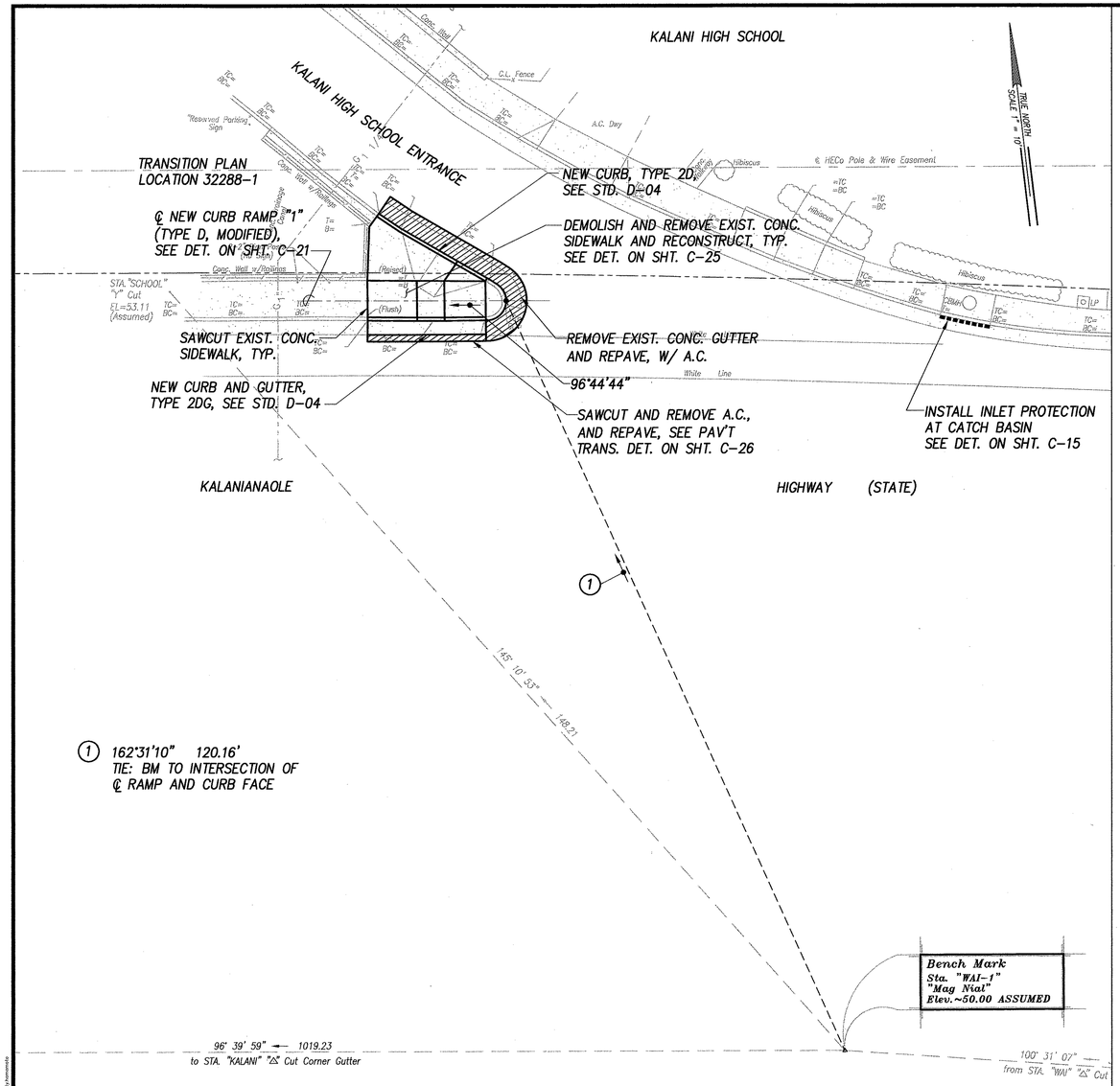
GRADING PLAN – KALANIANAOLE HWY & KALANIIKI STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

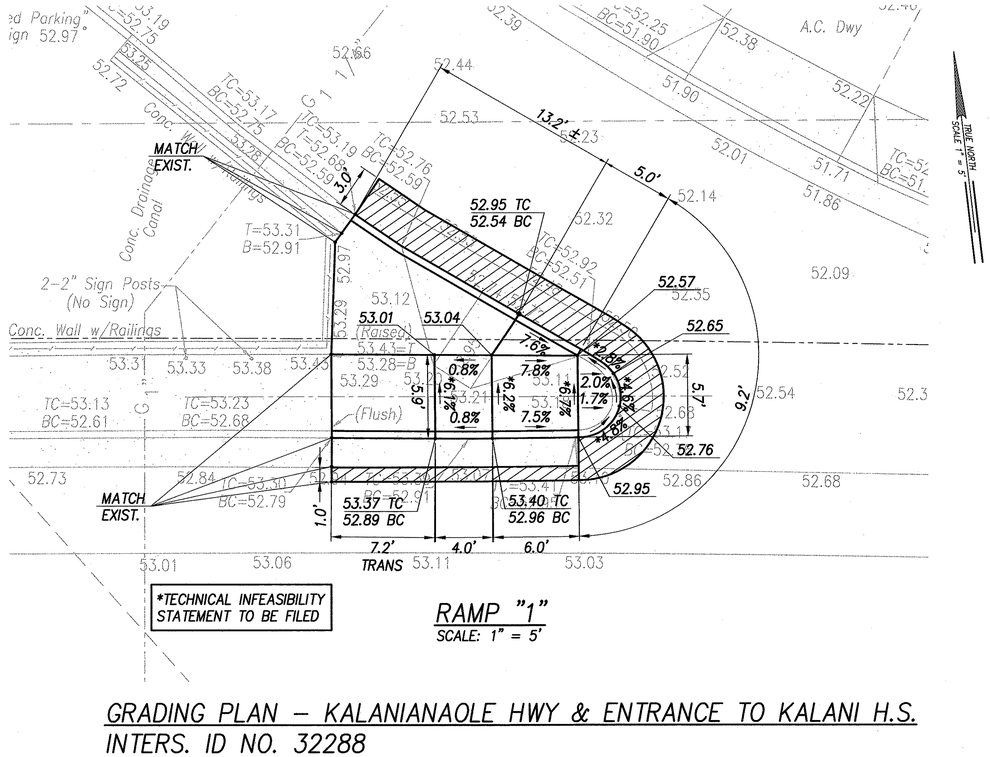
Scale: As Noted Date: August 2004

SHEET No. C-74 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	76	180



SITE PLAN – KALANIANAOLE HWY & ENTRANCE TO KALANI H.S.
INTERS. ID NO. 32288
SCALE: 1" = 10'



RAMP "1"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & ENTRANCE TO KALANI H.S.
INTERS. ID NO. 32288
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARIALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

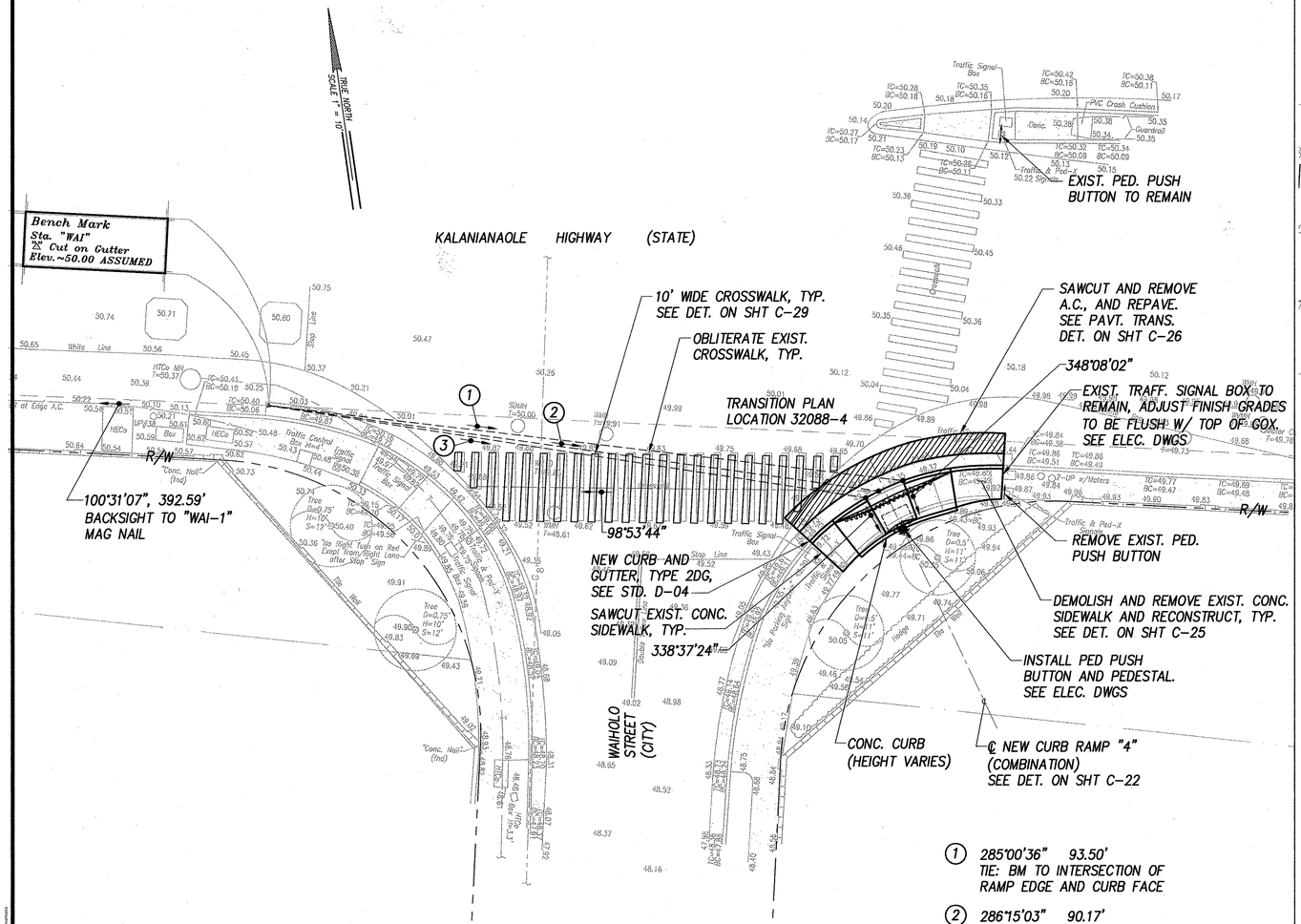
SITE & GRADING PLAN – KALANIANAOLE HWY & ENTRANCE TO KALANI H.S.

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

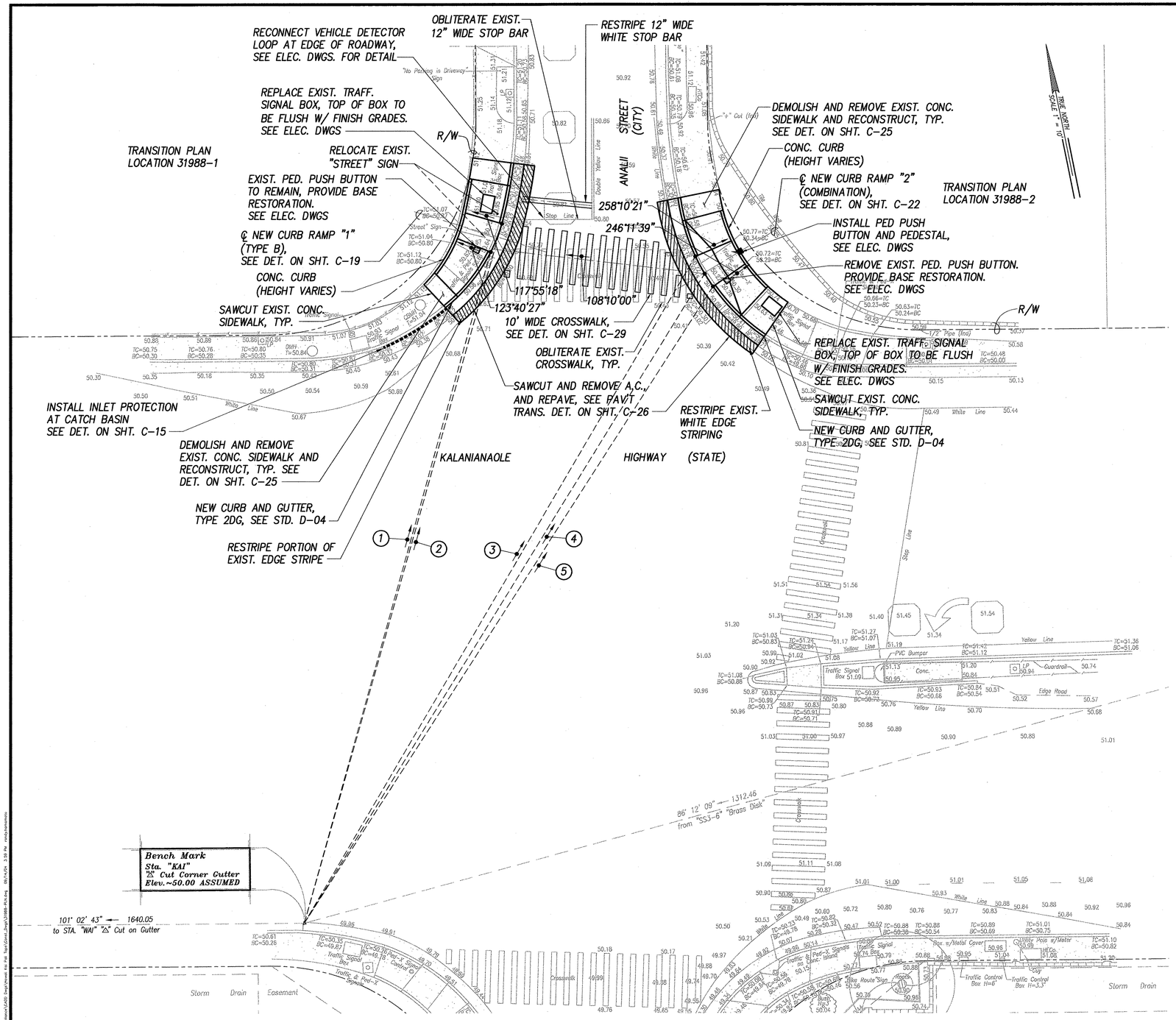
Scale: As Noted Date: August 2004

SHEET No. C-75 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	77	180


TRUE NORTH
SCALE 1" = 10'
Bench Mark
Sta. "WAI"
2" Cut on Gutter
Elev.~50.00 ASSUMED
KALANIANAOLE HIGHWAY (STATE)
10' WIDE CROSSWALK, TYP.
SEE DET. ON SHT C-29
OBLITERATE EXIST. CROSSWALK, TYP.
TRANSITION PLAN
LOCATION 32088-4
SAWCUT AND REMOVE A.C., AND REPAVE.
SEE PAVT. TRANS.
DET. ON SHT C-26
348°08'02"
EXIST. TRAFF. SIGNAL BOX TO REMAIN, ADJUST FINISH GRADES TO BE FLUSH W/ TOP OF COX.
SEE ELEC. DWGS
EXIST. PED. PUSH BUTTON TO REMAIN
100°31'07", 392.59'
BACKSIGHT TO "WAI-1"
MAG NAIL
98°53'44"
NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04
SAWCUT EXIST. CONC. SIDEWALK, TYP.
338°37'24"
REMOVE EXIST. PED. PUSH BUTTON
DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP.
SEE DET. ON SHT C-25
INSTALL PED PUSH BUTTON AND PEDESTAL.
SEE ELEC. DWGS
CONC. CURB (HEIGHT VARIES)
℄ NEW CURB RAMP "4" (COMBINATION)
SEE DET. ON SHT C-22
WAIHOLO STREET (CITY)
R/W
White Line
Stop Line
Traffic Signal Box
Traffic Ped-X
Tree
Hedge
Tile Wall
"Conc. Wall" (Ind)
"No Parking Anytime" Sign
Traffic & Ped-X Signals
PVC Crash Cushion
Guardrail
Conc.
Curb Ramp
Traffic Control Box
2-UP w/Meters
Utility Pole
Fire Hydrant
Drain Inlet
Manhole
HECo Box
HFCo MH
SDMH
WMH
Edge A.C.
Edge Pvmt.
Traffic Signal Box
Traffic Signal Box #4
Traffic Signal Box #5
Traffic Signal Box #6
Traffic Signal Box #7
Traffic Signal Box #8
Traffic Signal Box #9
Traffic Signal Box #10
Traffic Signal Box #11
Traffic Signal Box #12
Traffic Signal Box #13
Traffic Signal Box

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	78	180



GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

ORIGINAL PLAN
NOTE BOOK
No.

SITE PLAN – KALANIANAOLE HWY & ANALII STREET
INTERS. ID NO. 31988
SCALE: 1" = 10'

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDAL AN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

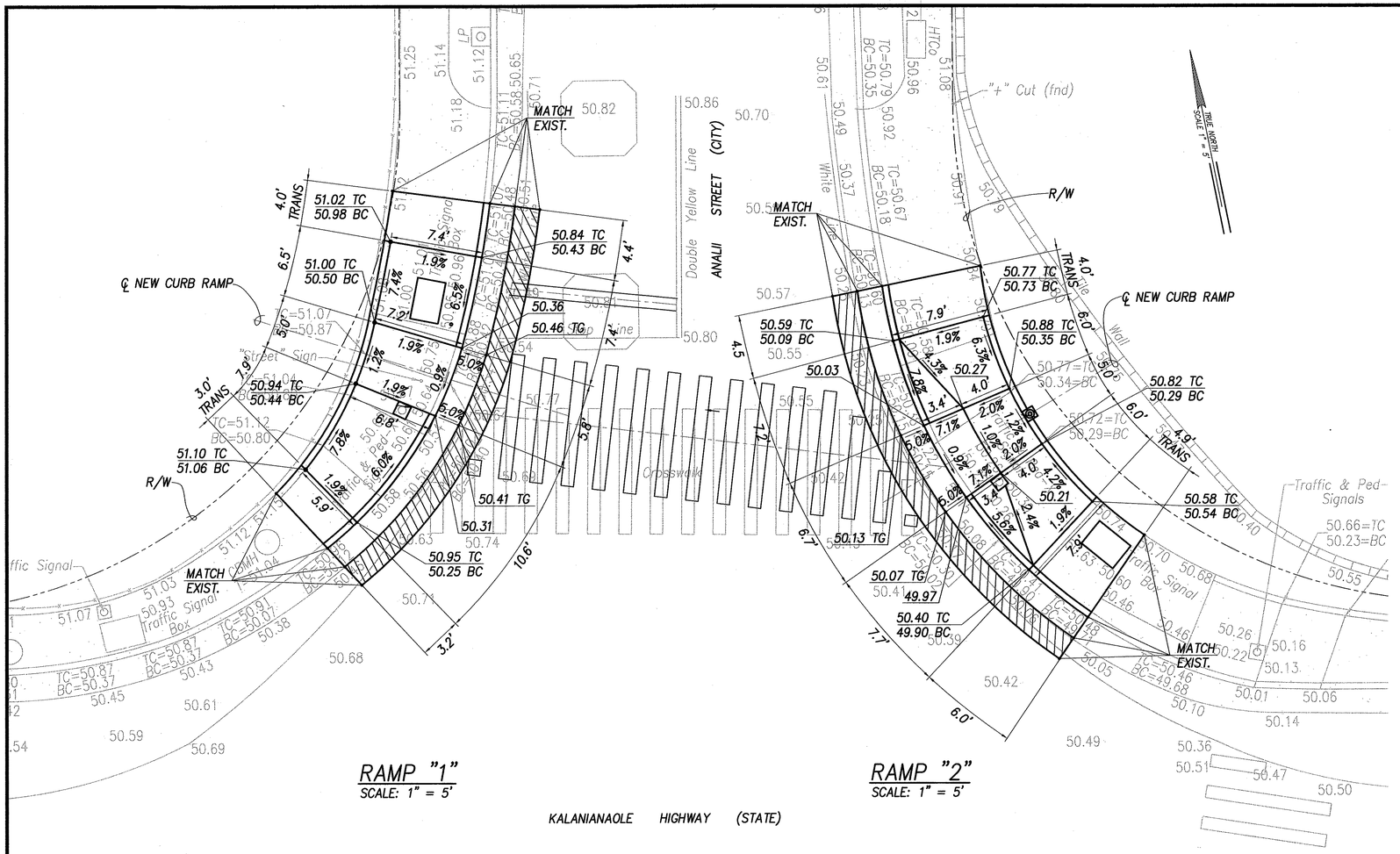
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
KALANIANAOLE HWY & ANALII STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-77 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	79	180



RAMP "1"
SCALE: 1" = 5'

RAMP "2"
SCALE: 1" = 5'

KALANIANAOLE HIGHWAY (STATE)

GRADING PLAN – KALANIANAOLE HWY & ANALII STREET
INTERS. ID NO. 31988
SCALE: 1" = 10'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ABDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006.
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

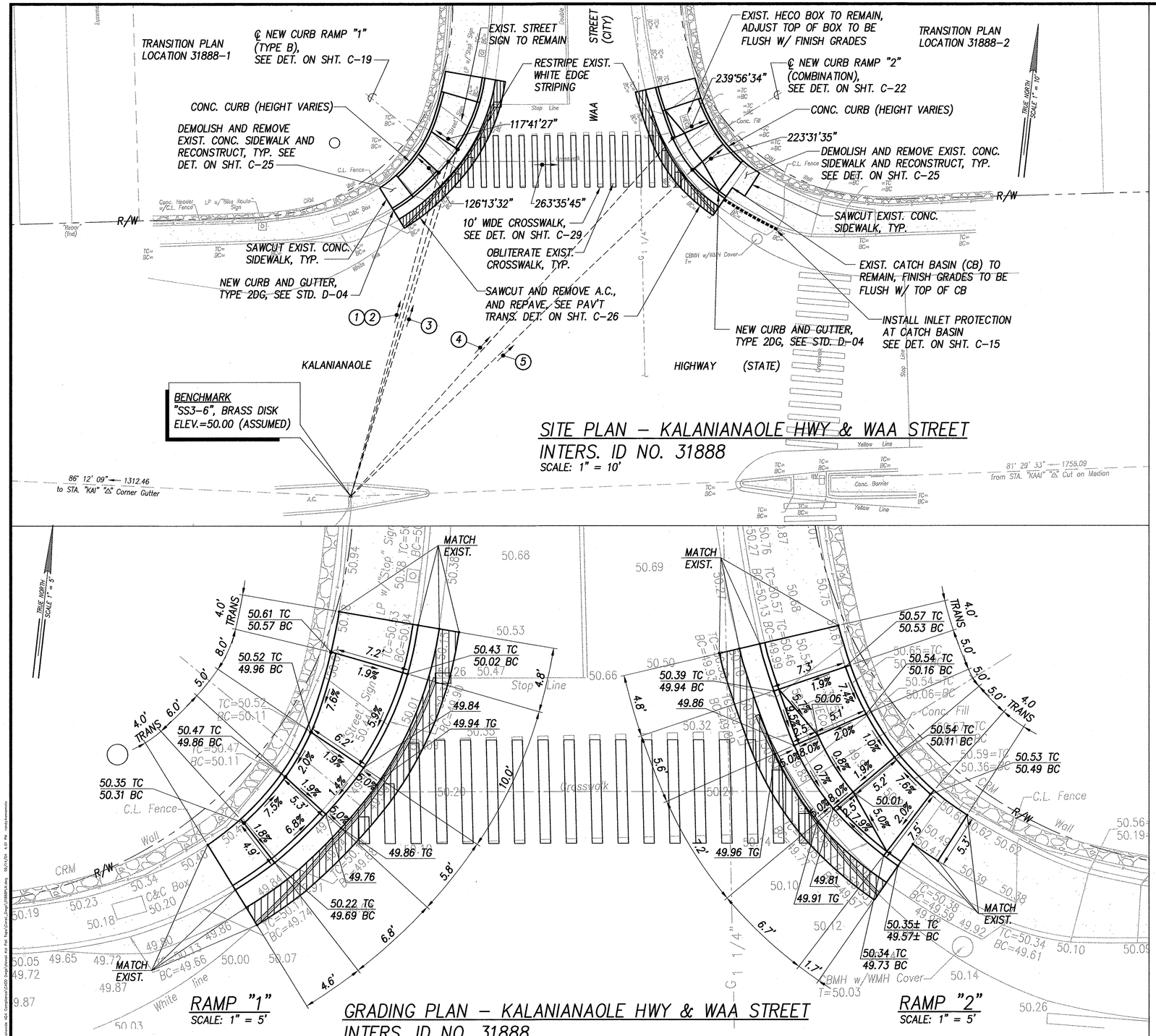
GRADING PLAN
KALANIANAOLE HWY & ANALII STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-78 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	80	180

1. 188°46'58" 64.87'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
2. 189°50'27" 67.44'
   TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE
3. 190°42'04" 70.20'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 215°33'28" 93.04'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
5. 219°53'28" 91.30'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE



LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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A Tyco Infrastructure Services Company
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Honolulu, HI 96813

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

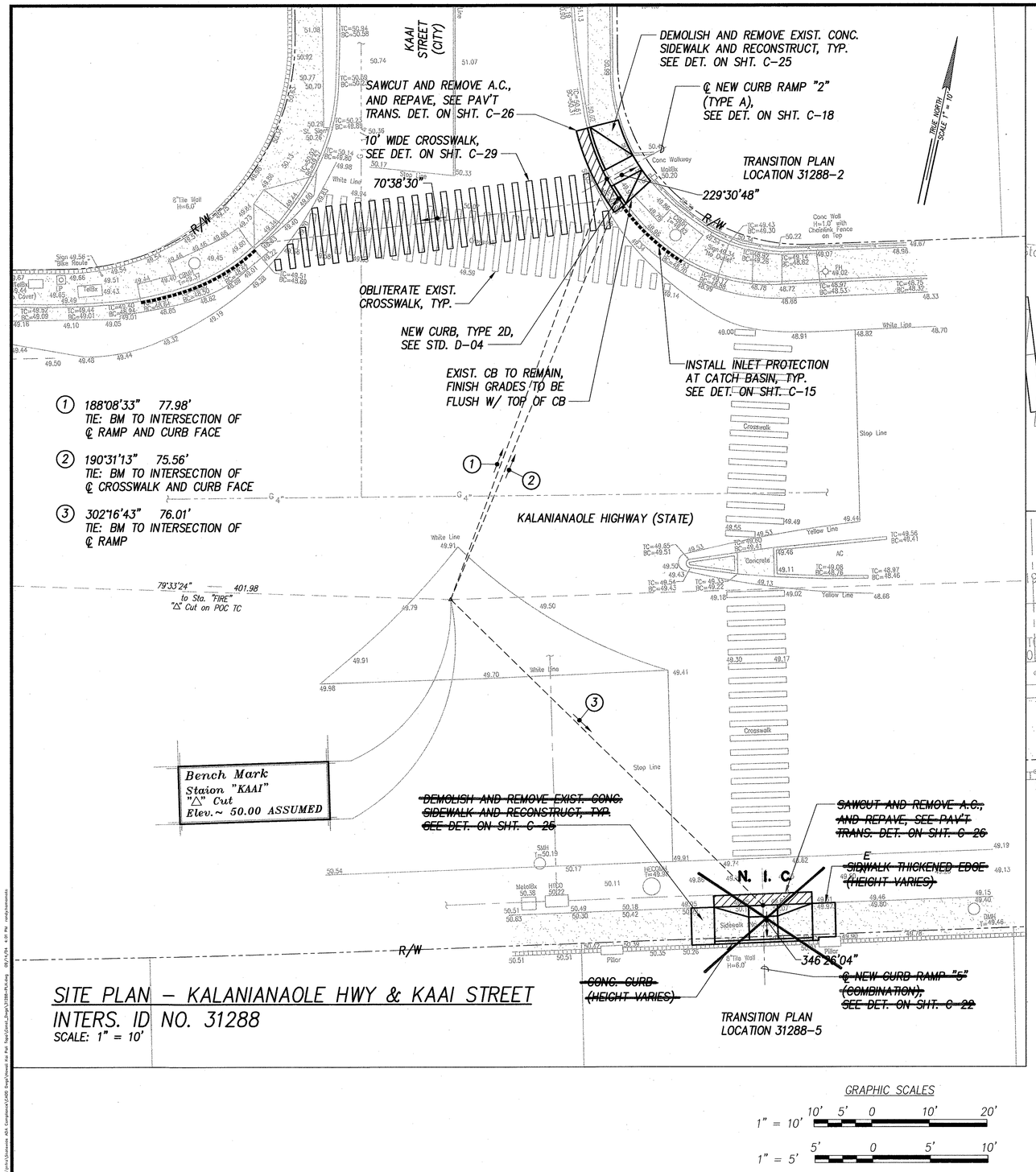
SITE & GRADING PLAN
KALANIANAOLE HWY & WAA STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

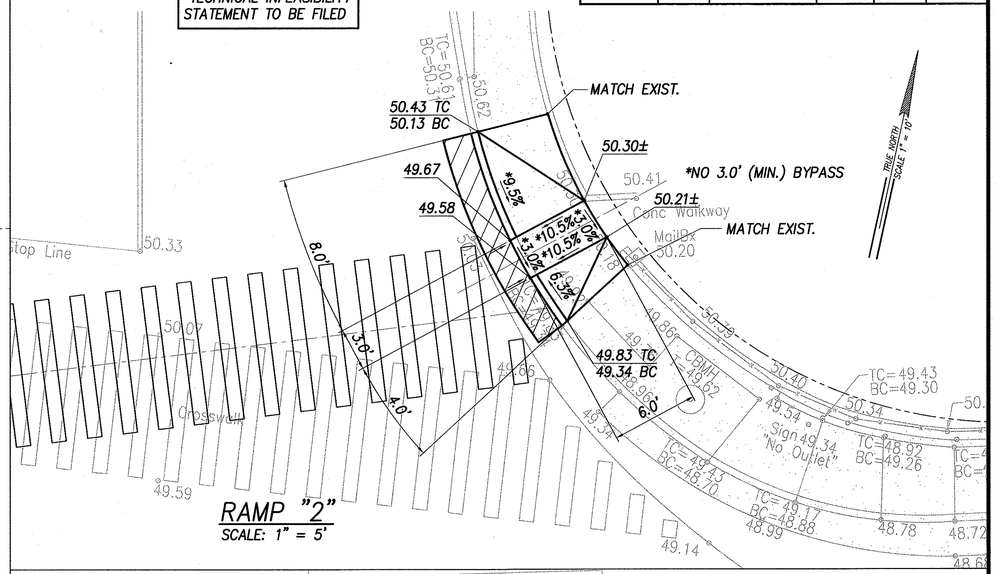
SHEET No. C-79 OF 139 SHEETS

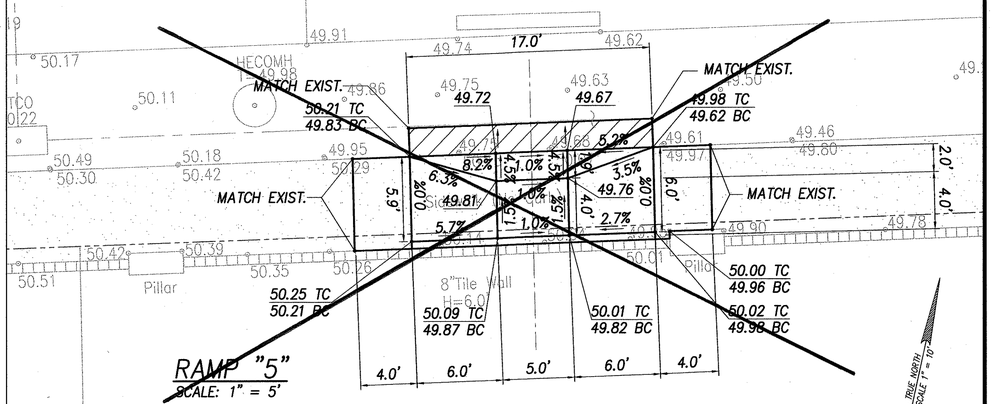
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	81	180



SITE PLAN – KALANIANAOLE HWY & KAAI STREET
INTERS. ID NO. 31288
SCALE: 1" = 10'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED





N.I.C.

~~GRADING PLAN KALANIANAOLE HWY & KAAI STREET~~
~~INTERS. ID NO. 31288~~
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'
1" = 5' 5' 0 5' 10'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ANDALAN R. NINOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

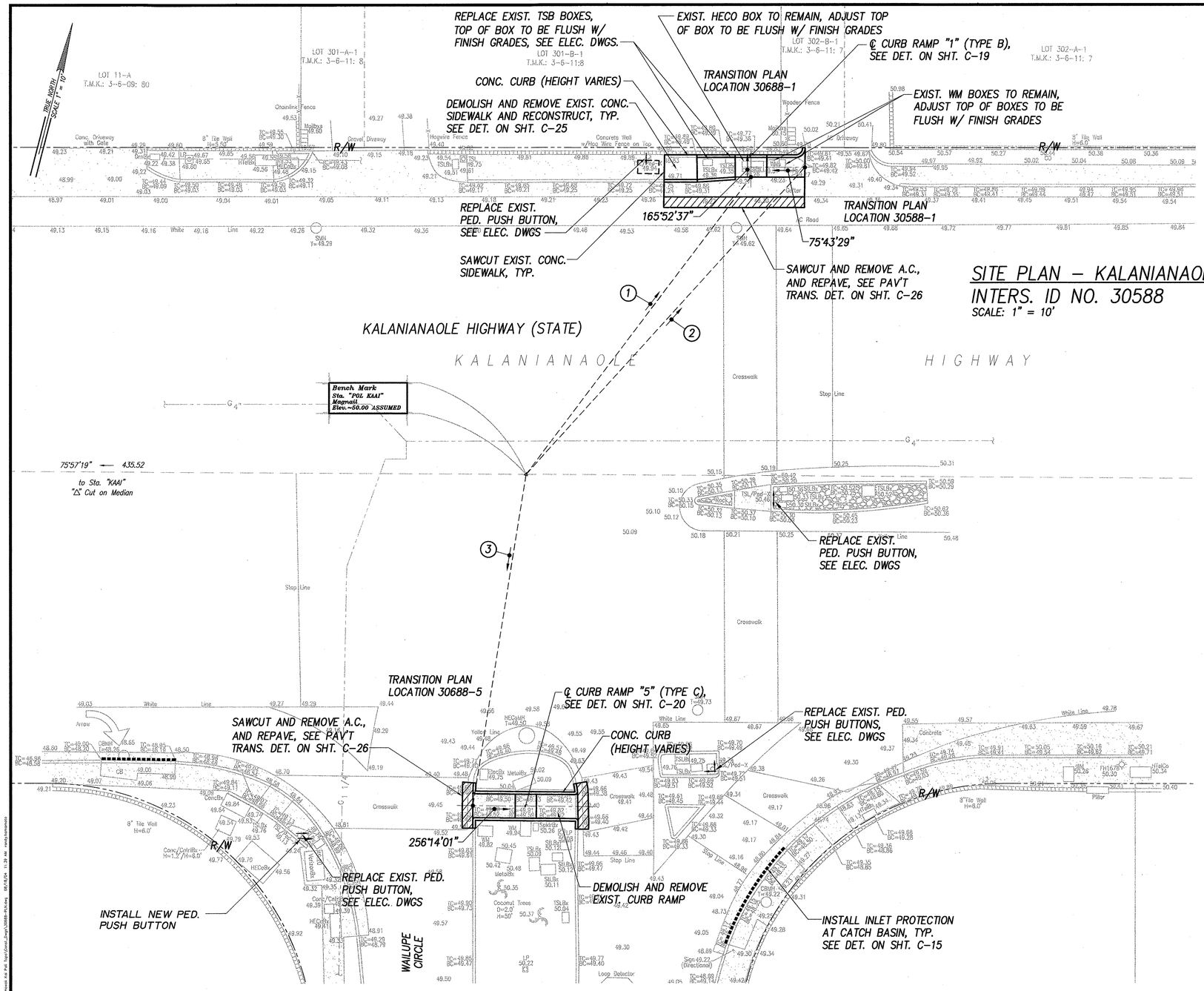
SITE PLAN & GRADING PLAN
KALANIANAOLE HWY & KAAI STREET
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-80 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	82	180



SITE PLAN – KALANIANAOLE HWY & 5114
INTERS. ID NO. 30588
SCALE: 1" = 10'

SITE PLAN – KALANIANAOLE HWY & WAILUPE CIRCLE
INTERS. ID NO. 30688
SCALE: 1" = 10'

① 202°43'09" 70.30'
TIE: BM TO INTERSECTION OF ℄ RAMP

② 207°51'52" 78.22'
TIE: BM TO INTERSECTION OF ℄ RAMP

③ 354°45'03" 63.33'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

APPROVED:

Principal Executive
Maintenance Unit, BWS

8/19/04
Date

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 2997-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN – KALANIANAOLE HIGHWAY & WAILUPE CIRCLE / 5114

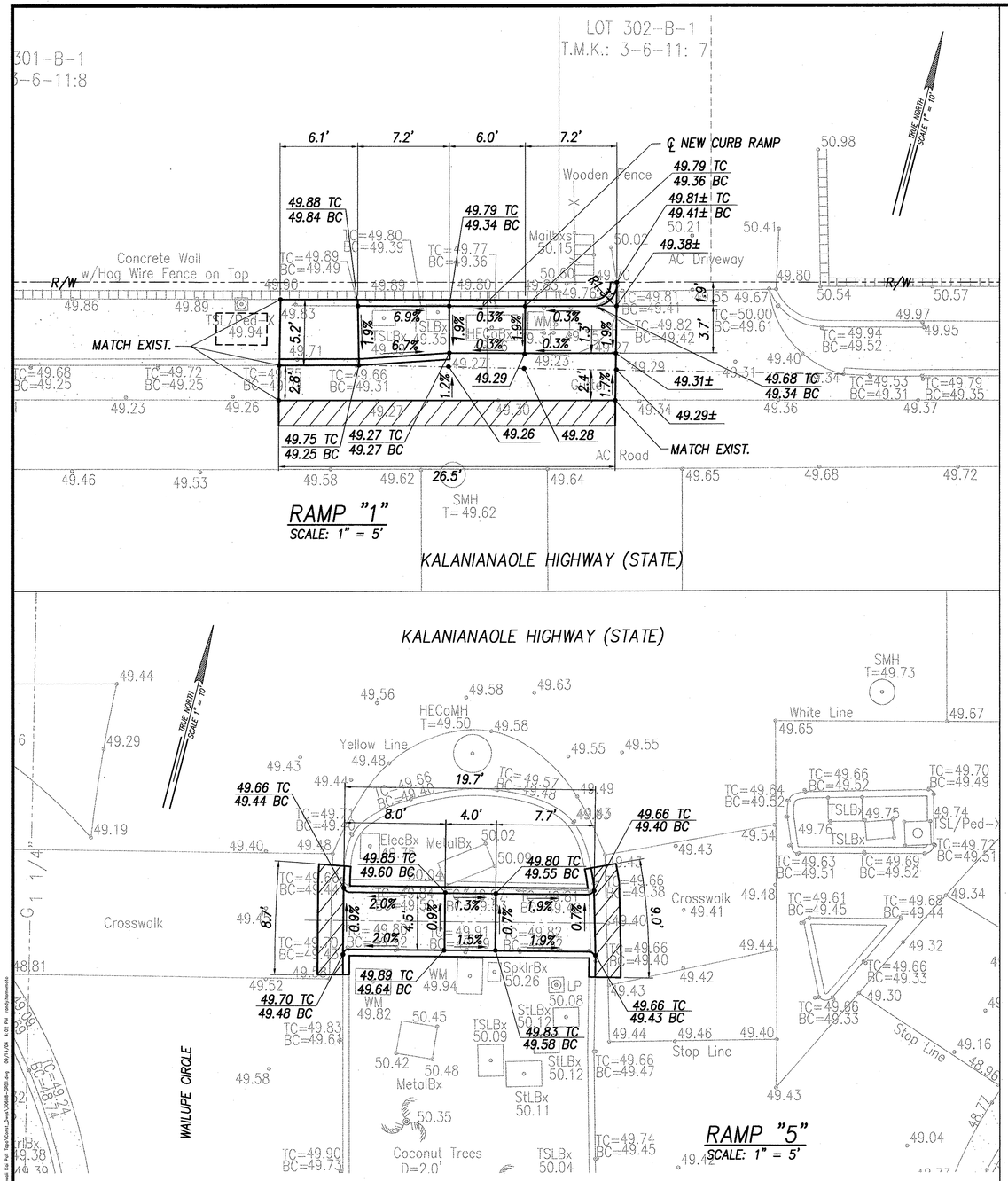
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-81 OF 139 SHEETS

"AS-BUILT" 82

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	83	180



GRADING PLAN – KALANIANAOLE HWY & 5114
INTERS. ID NO. 30588
SCALE: 1" = 10'

GRADING PLAN – KALANIANAOLE HWY & WAILUPE CIRCLE
INTERS. ID NO. 30588
SCALE: 1" = 10'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 8198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

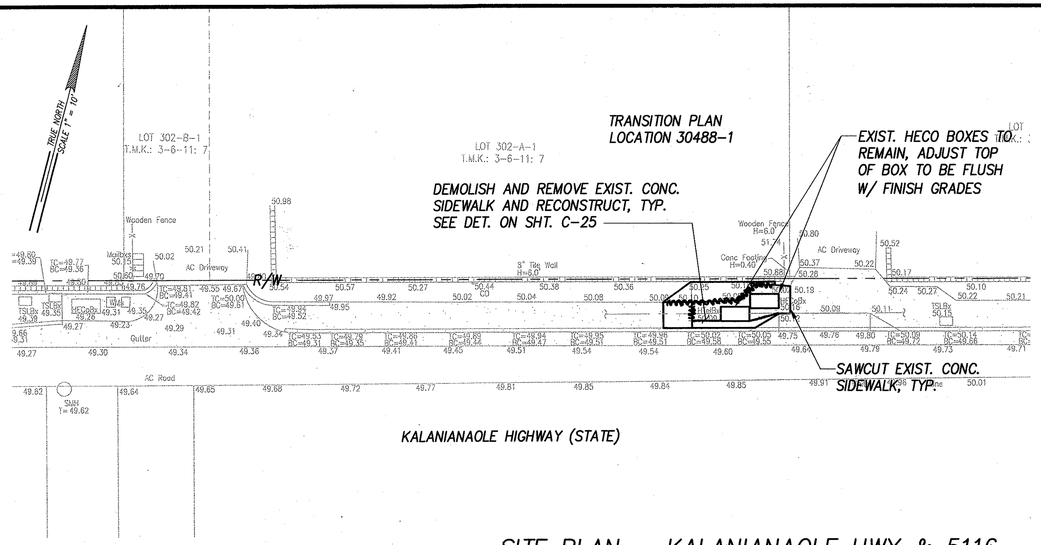
GRADING PLAN – KALANIANAOLE HIGHWAY & WAILUPE CIRCLE / 5114

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-82 OF 139 SHEETS

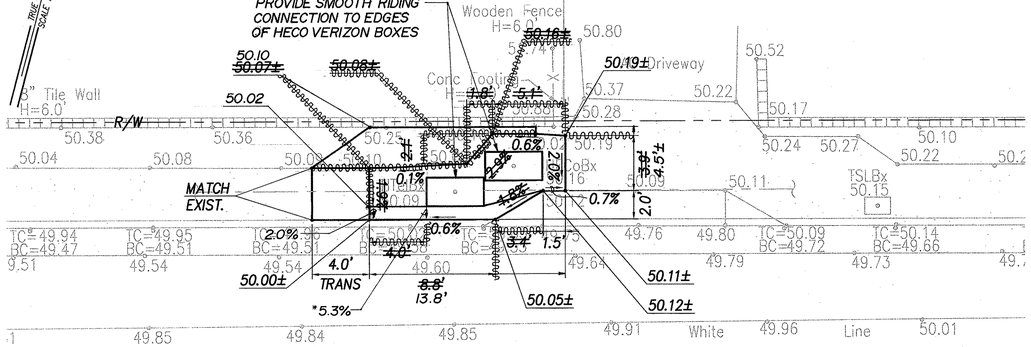
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	84	180



BENCHMARK
"POL-KAAI"
MAG NAIL
ELEV.=50.00 (ASSUMED)

SEE SITE PLAN FOR KALANIANAOLE HWY. & WAILUPE CIRCLE / 5114 FOR BENCHMARK LOCATION.

SITE PLAN – KALANIANAOLE HWY & 5116
INTERS. ID NO. 30488
SCALE: 1" = 10'



RAMP "1"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & 5116
INTERS. ID NO. 30488
SCALE: 1" = 5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

LEGEND

49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

EARTH TECH
A Tyco Infrastructure Services Company
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ARDALAN R. NIKOU
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE & GRADING PLAN
KALANIANAOLE HWY & 5116

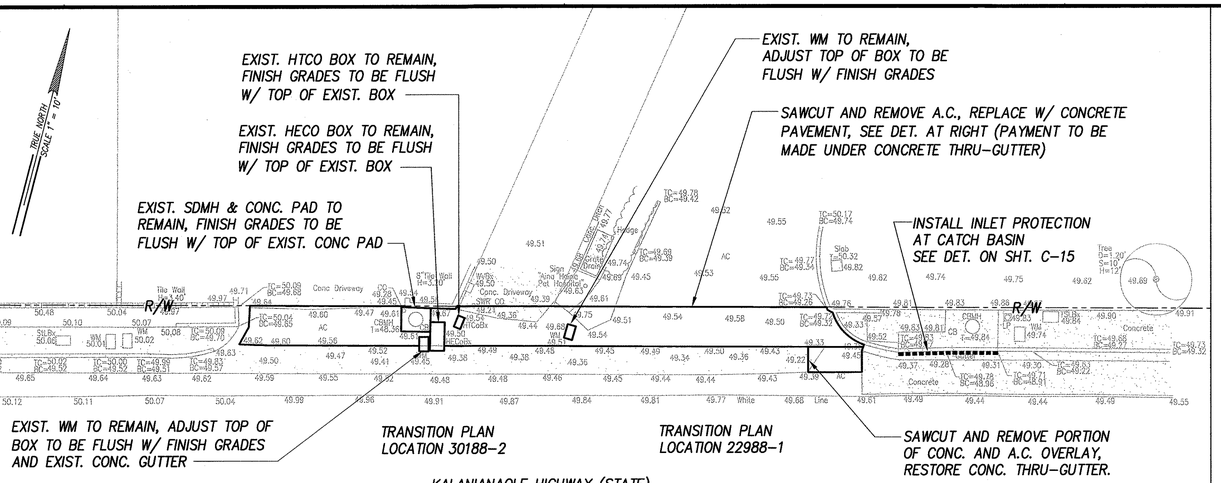
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-83 OF 139 SHEETS

"AS-BUILT" 84

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	85	180

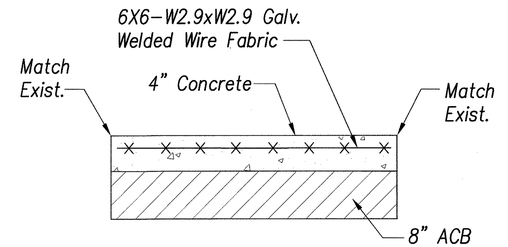


BENCHMARK
"POL-KAAI"
MAG NAIL
ELEV.=50.00 (ASSUMED)

SEE SITE PLAN FOR KALANIANAOLE HWY. & WAILUPE CIRCLE / 5114 FOR BENCHMARK LOCATION.

SITE PLAN - KALANIANAOLE HWY & 5136
INTERS. ID NO. 30188
SCALE: 1" = 10'

SITE PLAN - KALANIANAOLE HWY & AINA HAINA PH
INTERS. ID NO. 22988
SCALE: 1" = 10'

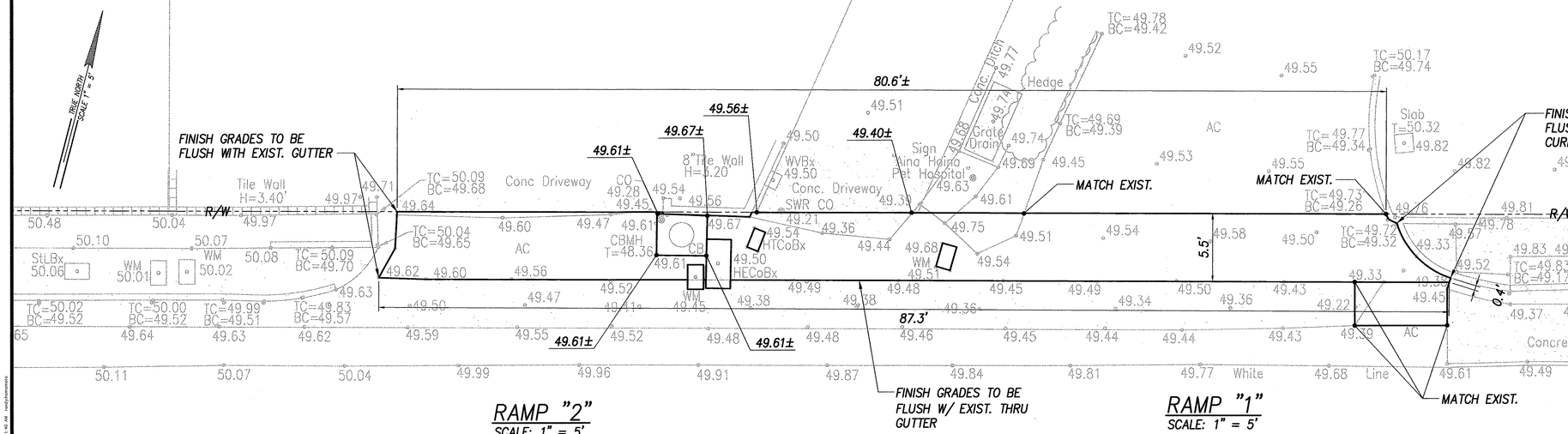


CONCRETE PAVEMENT

APPROVED:

Joseph W. Kaahanui 8/19/04
Principal Executive Maintenance Unit, BWS — Date

GRAPHIC SCALES
1" = 10' (10' 5' 0 10' 20')
1" = 5' (5' 0 5' 10')



RAMP "2"
SCALE: 1" = 5'

RAMP "1"
SCALE: 1" = 5'

GRADING PLAN - KALANIANAOLE HWY & 5136
INTERS. ID NO. 30188
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRADING PLAN - KALANIANAOLE HWY & AINA HAINA PH
INTERS. ID NO. 22988
SCALE: 1" = 5'

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO LICENSED PROFESSIONAL ENGINEER No. 2997-C HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE & GRADING PLAN - KALANIANAOLE HIGHWAY & AINA HAINA PH / 5136

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	86	180

(1) 234°03'45" 50.77'
TIE: BM TO INTERSECTION OF
℄ RAMP AND CURB FACE

(2) 263°06'01" 47.57'
TIE: BM TO INTERSECTION OF
℄ RAMP AND CURB FACE

(3) 300°08'40" 69.06'
TIE: BM TO INTERSECTION OF
℄ RAMP AND CURB FACE

TRUE NORTH
SCALE 1" = 10'

WEST HIND DRIVE (CITY)

KALANIANAOLE HWY (STATE)

HIGHWAY

INSTALL INLET PROTECTION AT CATCH BASIN, TYP. SEE DET. ON SHT. C-15

EXIST. PED. PUSH BUTTON TO REMAIN. SEE ELEC. DWGS

℄ NEW CURB RAMP "5" (TYPE A), SEE DET. ON SHT. C-18

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

NEW CURB, TYPE 2D, SEE STD D-04

TRANSITION PLAN LOCATION 22888-5

SAWCUT EXIST. CONC. SIDEWALK, TYP.

BENCHMARK
"W-HIND", "+" CUT
ON SIDEWALK
ELEV.=50.00 (ASSUMED)

REPLACE EXIST. TSL BOXES, TOP OF BOXES TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

EXIST. PED. PUSH BUTTON TO REMAIN

75°57'19" 828.98
to Sta. "POL KAAI"
Magnail

345°21'21"

166°07'33"

TRANSITION PLAN LOCATION 22888-6

NEW CURB, TYPE 2D, SEE STD D-04

84°02'14" 1138.37
from Sta. "Nenue"
"X" Cut on Sidewalk

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

℄ NEW CURB RAMP "6" (TYPE A), SEE DET. ON SHT. C-18

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

NEW CURB, TYPE 2D, SEE STD D-04

345°37'01"

EXIST. TRAF. LIGHT TO REMAIN, PROVIDE BASE RESTORATION. EXIST. PED. PUSH BUTTON TO REMAIN. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

EXIST. GTE BOX TO REMAIN, ADJUST TOP OF BOX TO BE FLUSH W/ FINISH GRADES

REPLACE EXIST. TSL BOXES, TOP TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

TRANSITION PLAN LOCATION 22888-7

℄ NEW CURB RAMP "7" (TYPE B), SEE DET. ON SHT. C-19

LOT 9-A
T.M.K.: 3-6-01: 09

LOT 17
T.M.K.: 3-6-02: 17

T.M.K.: 3-6-02: 45

WAILUPE PLACE

R/W

Parcel 2
(ROW Map PH 717)

Bench Mark
Sta. "HIND"
"+" Cut On Sidewalk
Elev.=50.00 ASSUMED

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – KALANIANAOLE HWY & WEST HIND DRIVE
INTERS. ID NO. 22888
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

L:\work\oahu\Statewide ADA Compliance\CAD\ Dwgs\Various Kal. Hwy\ Topo\Const_Dwgs\22888-PLN.dwg 09/15/06 3:35 AM mmiyashiromoto

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

MARSHALL M. MIKAMI
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

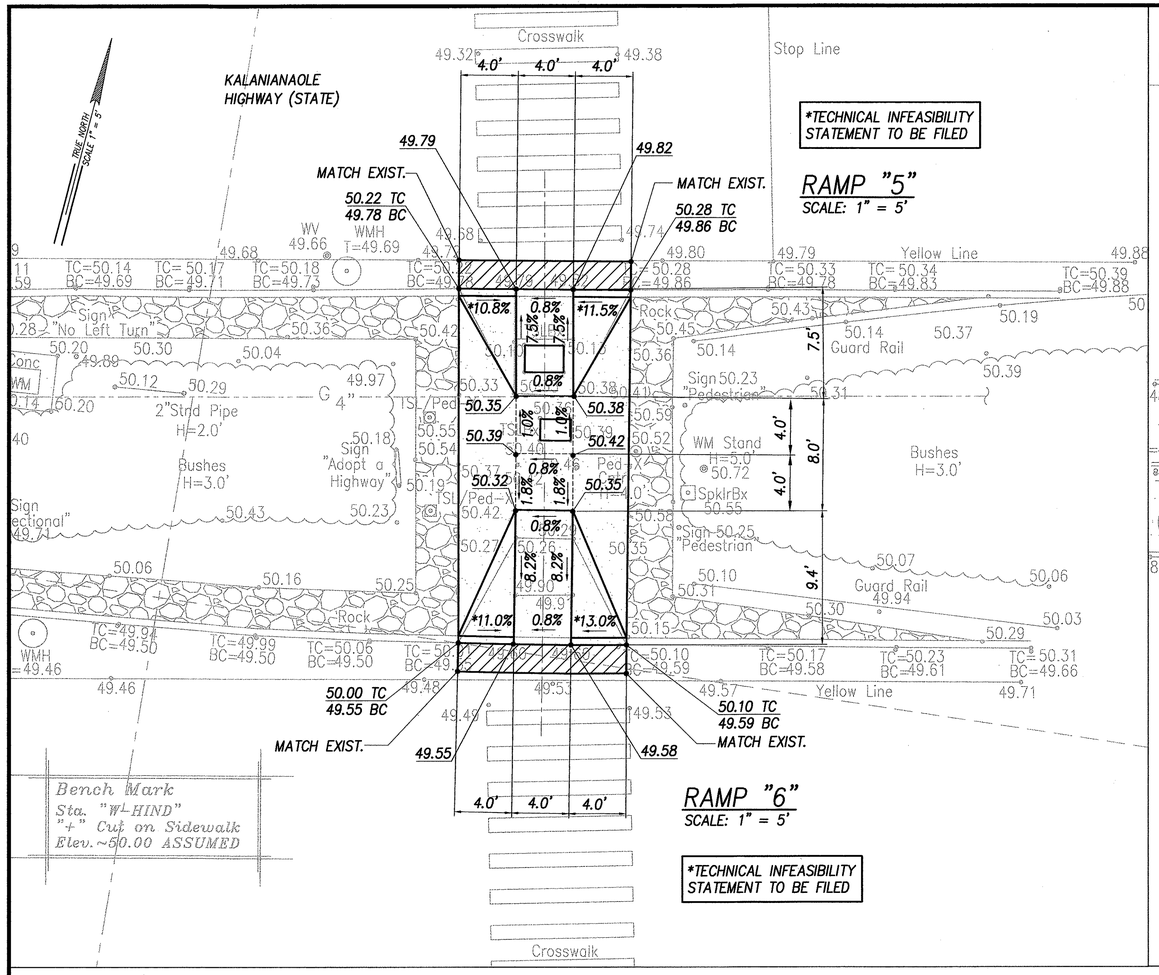
SITE PLAN – KALANIANAOLE HWY & WEST HIND DRIVE

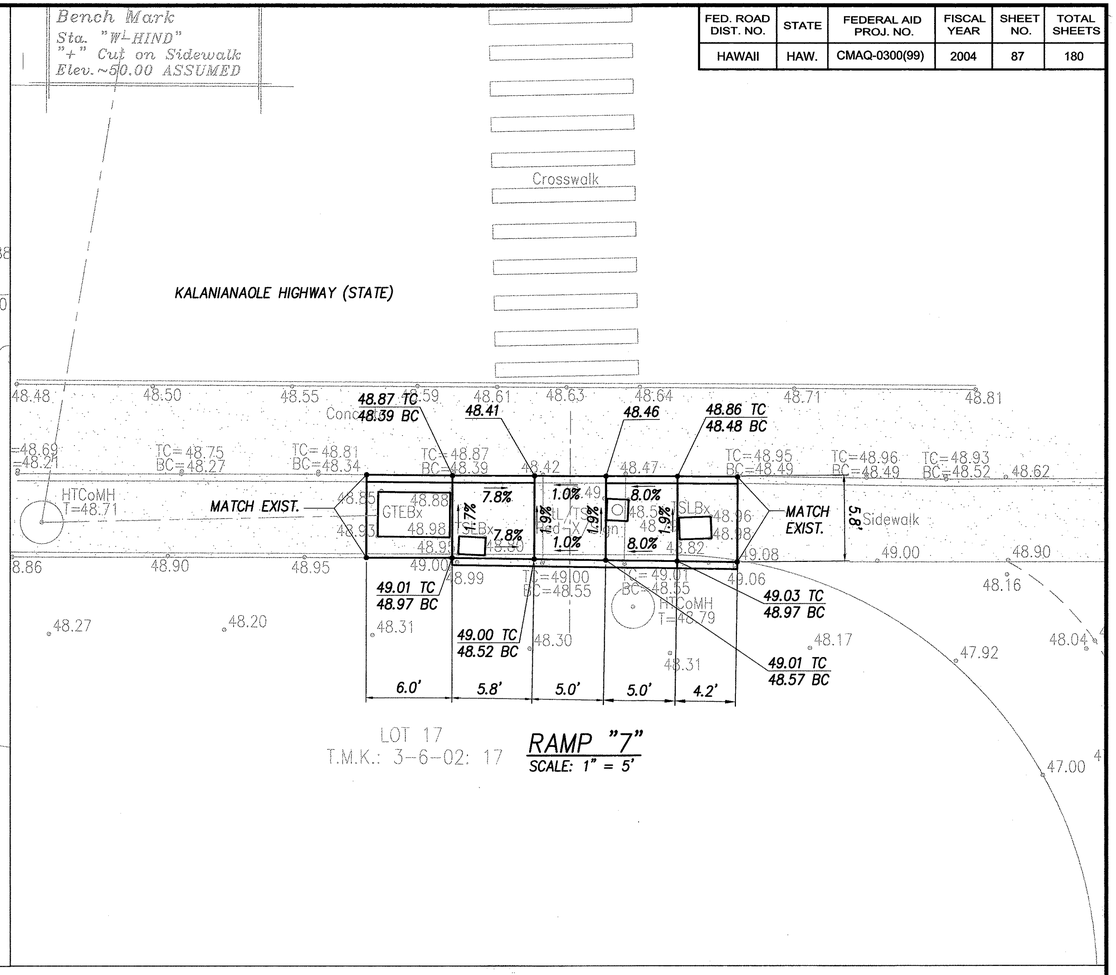
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-85 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	87	180





GRADING PLAN – KALANIANAOLE HWY & WEST HIND DRIVE
INTERS. ID NO. 22888
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

ORIGINAL PLAN
NOTE BOOK
No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARJALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE: 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

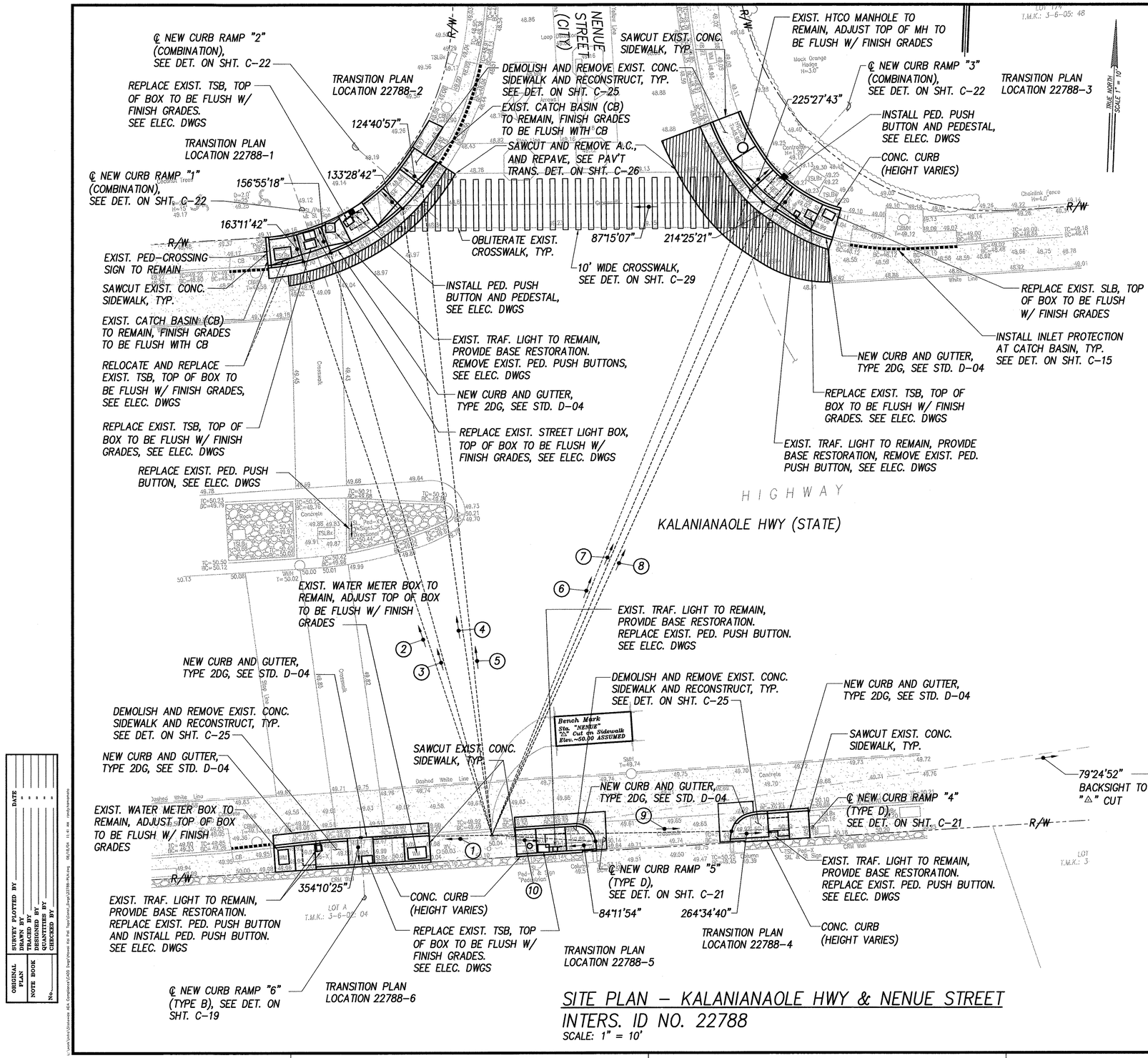
GRADING PLAN – KALANIANAOLE HWY & WEST HIND DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-86 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	88	180



1. 86°49'45" 25.67'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
2. 159°35'45" 118.03'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
3. 162°18'42" 118.18'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 169°40'20" 123.84'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
5. 171°39'50" 127.71'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
6. 199°41'31" 135.88'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
7. 201°00'09" 134.68'
   TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE
8. 202°10'24" 134.07'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
9. 266°55'28" 46.90'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
10. 271°14'19" 20.31'
    TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

APPROVED:

Joseph W. Kaahanui 8/19/04
Principal Executive Date
Maintenance Unit, BWS

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO LICENSED PROFESSIONAL ENGINEER No. 2997-C HAWAII U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN - KALANIANAOLE HWY & NENUE STREET

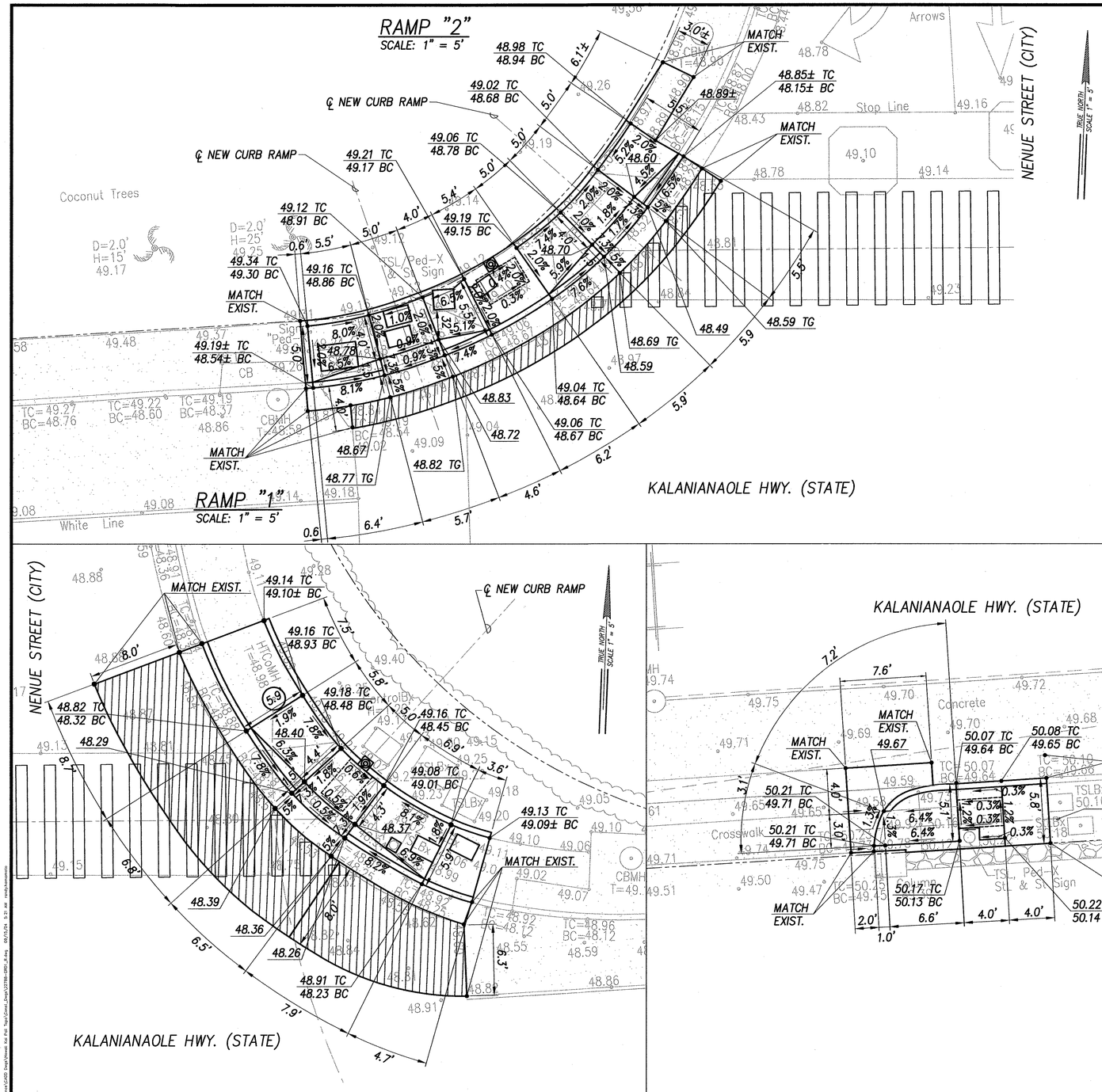
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-87 OF 139 SHEETS

SITE PLAN - KALANIANAOLE HWY & NENUE STREET
INTERS. ID NO. 22788
SCALE: 1" = 10'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	89	180



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & NENUE STREET

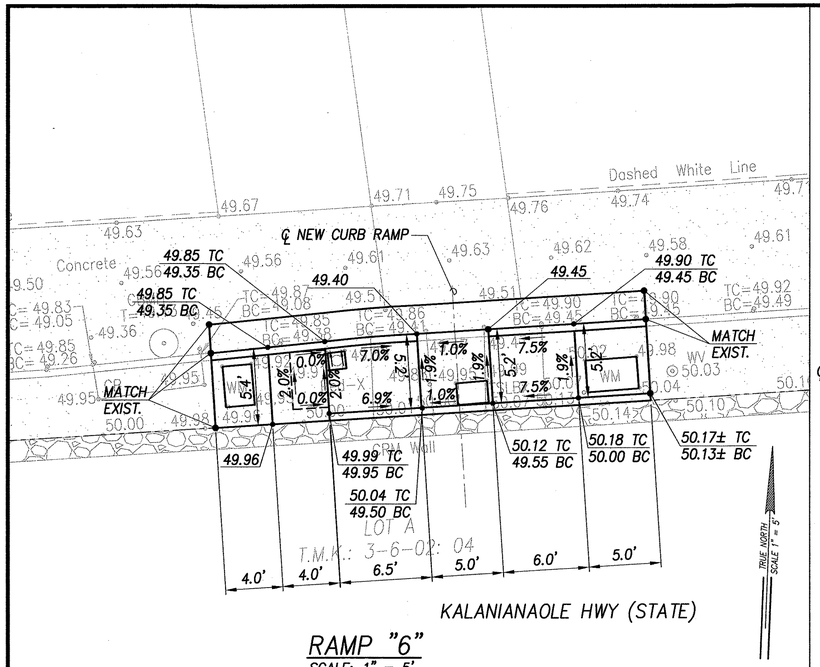
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

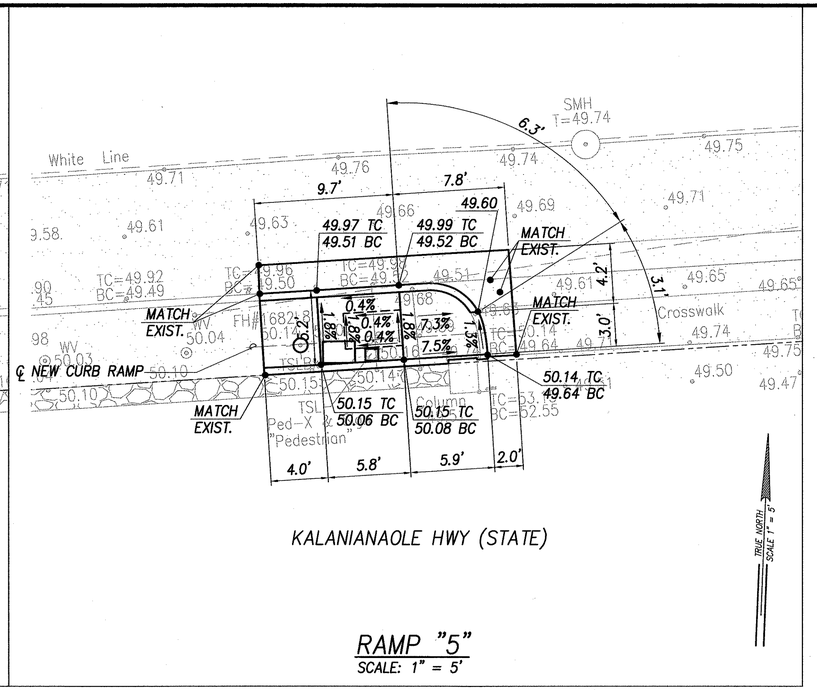
SHEET No. C-88 OF 139 SHEETS

GRADING PLAN – KALANIANAOLE HWY & NENUE STREET
INTERS. ID NO. 22788
SCALE: 1" = 5'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	90	180



RAMP "6"
SCALE: 1" = 5'



RAMP "5"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & NENUE STREET
INTERS. ID NO. 22788
SCALE: 1" = 5'

LEGEND	
∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

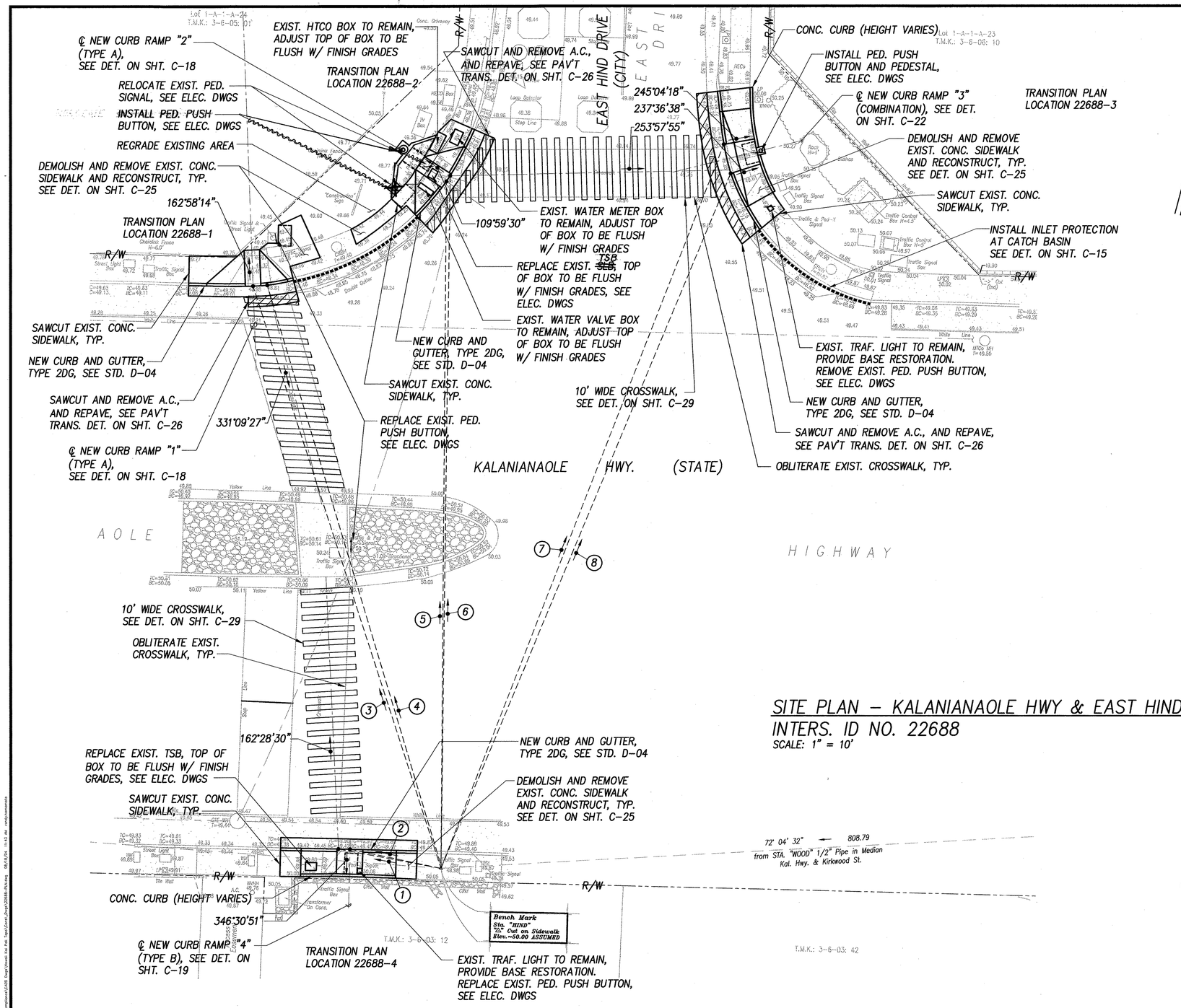
GRADING PLAN – KALANIANAOLE HWY & NENUE STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-89 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	91	180



(1) 85°48'46" 20.22'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(2) 86°57'22" 18.03'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(3) 147°13'53" 118.63'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(4) 148°27'00" 118.28'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(5) 165°33'28" 133.20'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(6) 165°51'51" 134.30'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(7) 186°26'32" 150.65'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(8) 187°44'01" 145.94'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & EAST HIND DRIVE
INTERS. ID NO. 22688
SCALE: 1" = 10'

APPROVED:

Joseph W Kaahua — 8/19/04
Principal Executive Maintenance Unit, BWS — Date

GRAPHIC SCALES
1" = 10' — 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

CARL T. YAMAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 2997-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN – KALANIANAOLE HWY & EAST HIND DRIVE

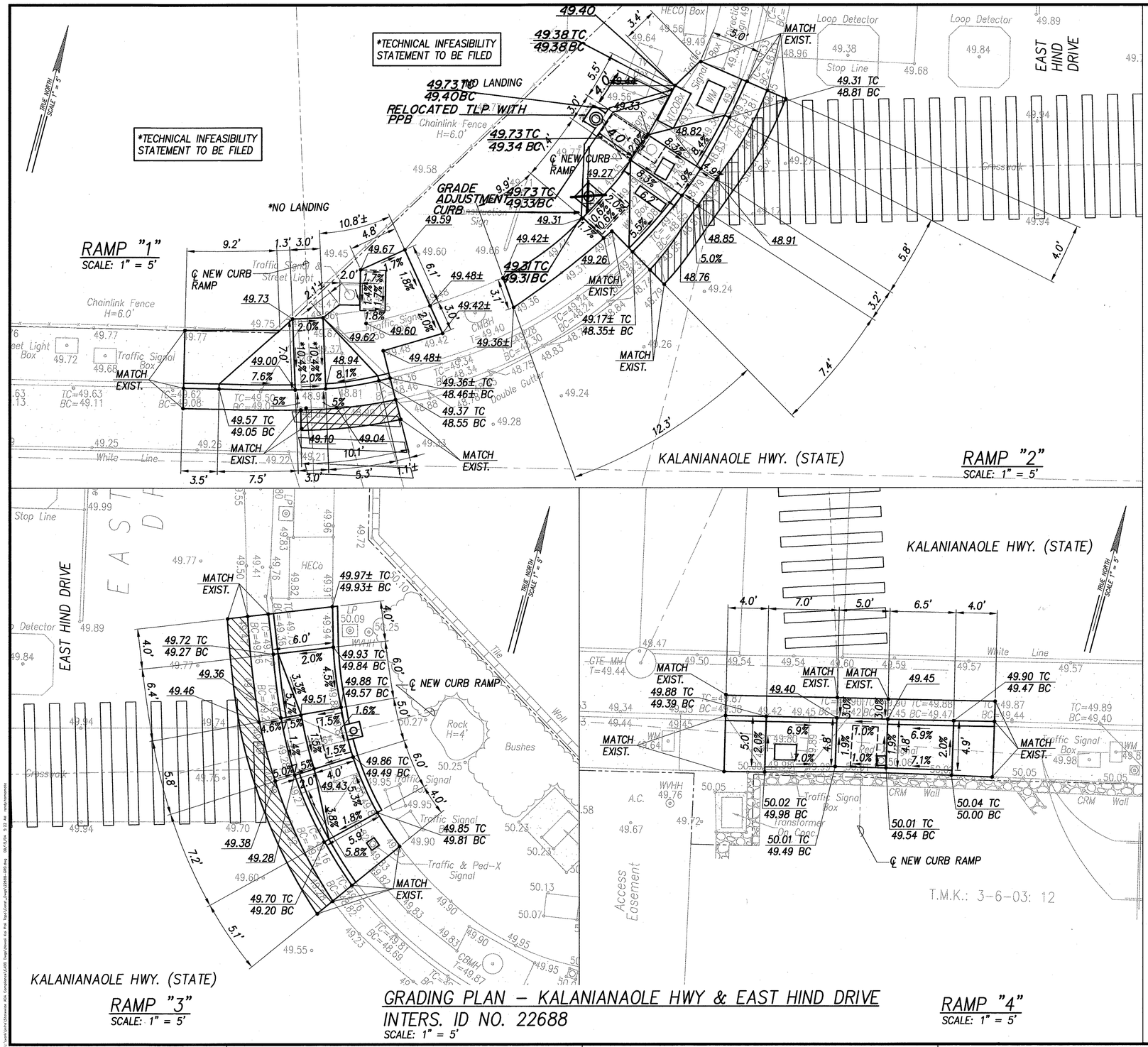
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted — Date: August 2004

SHEET No. C-90 OF 139 SHEETS

"AS-BUILT" 91

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	92	180



GRADING PLAN – KALANIANAOLE HWY & EAST HIND DRIVE
INTERS. ID NO. 22688
SCALE: 1" = 5'

LEGEND

49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
NOTE BOOK
No.
DATE

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & EAST HIND DRIVE

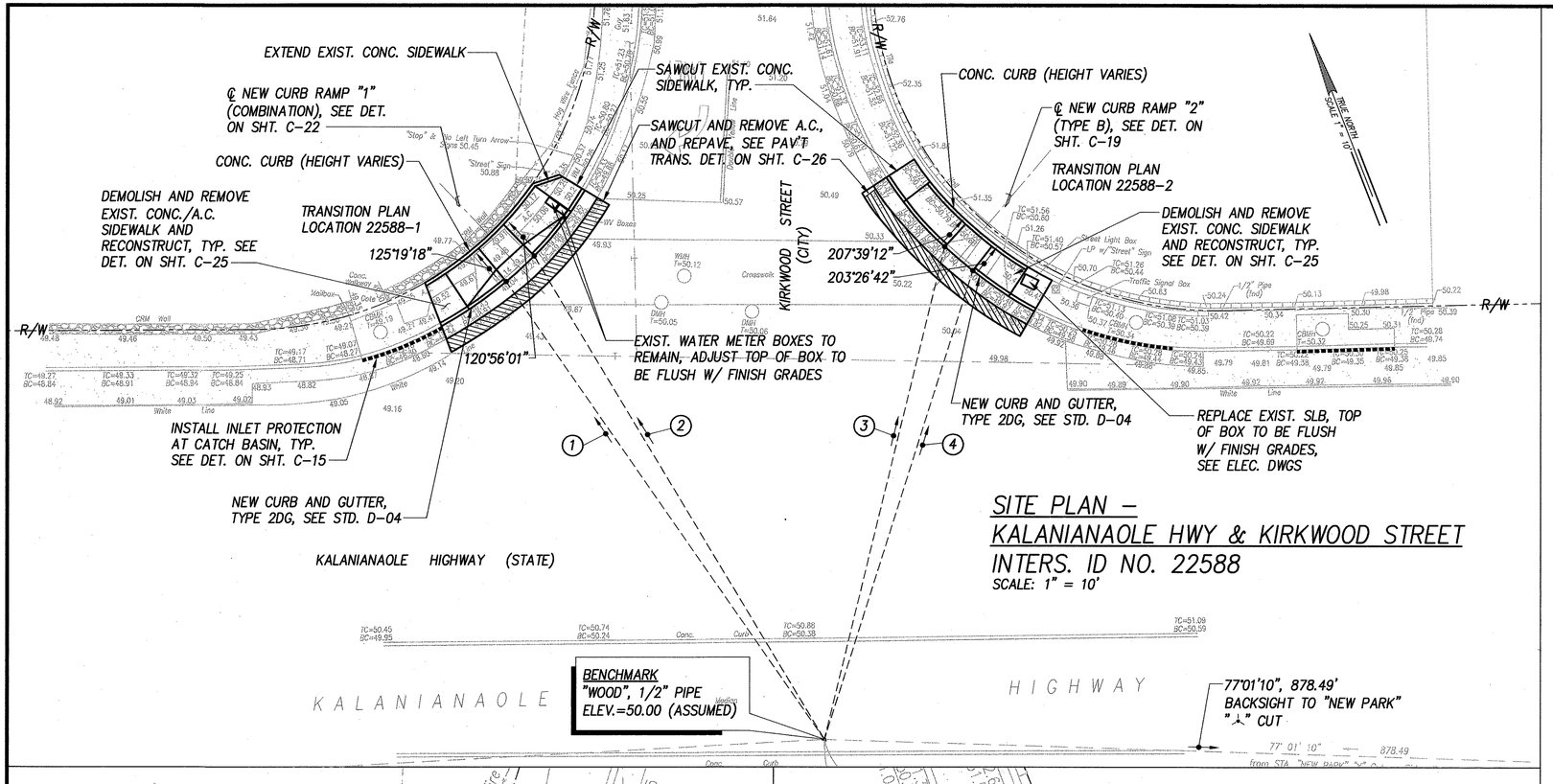
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-91 OF 139 SHEETS

"AS-BUILT" 92

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	93	180



SITE PLAN – KALANIANAOLE HWY & KIRKWOOD STREET
INTERS. ID NO. 22588
SCALE: 1" = 10'

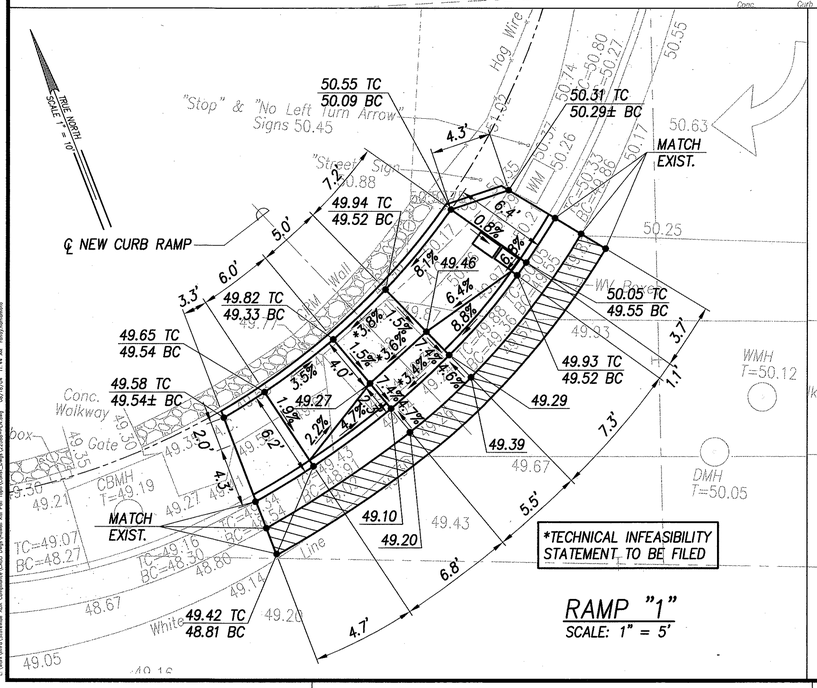
1. 130°21'24" 81.29'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
2. 134°10'28" 82.21'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
3. 178°56'39" 73.86'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 182°47'05" 71.62'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

APPROVED:

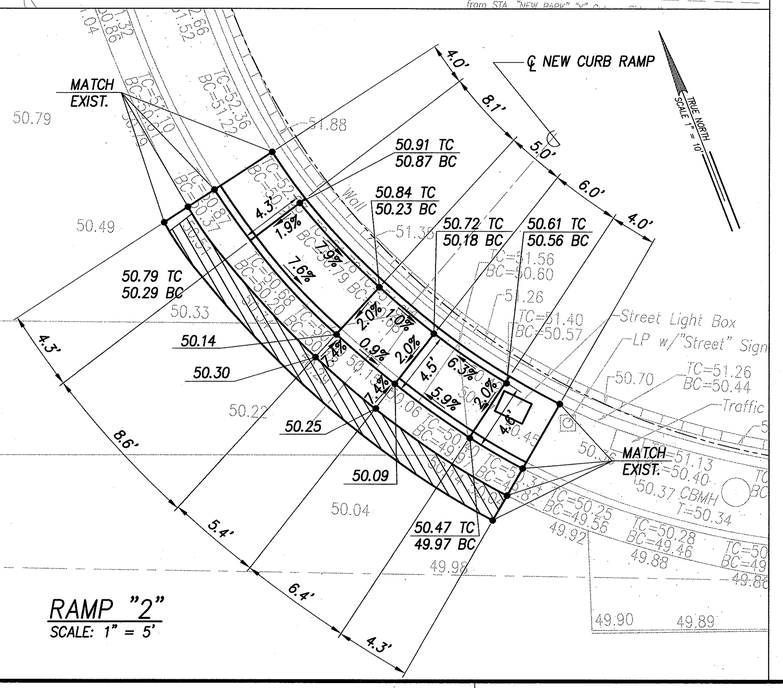
Joseph W. Kaahue for 8/19/04
Principal Executive Date
Maintenance Unit, BWS

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA



RAMP "1"
SCALE: 1" = 5'



RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & KIRKWOOD STREET
INTERS. ID NO. 22588
SCALE: 1" = 5'

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO LICENSED PROFESSIONAL ENGINEER No. 2997-C HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE & GRADING PLAN – KALANIANAOLE HWY & KIRKWOOD STREET

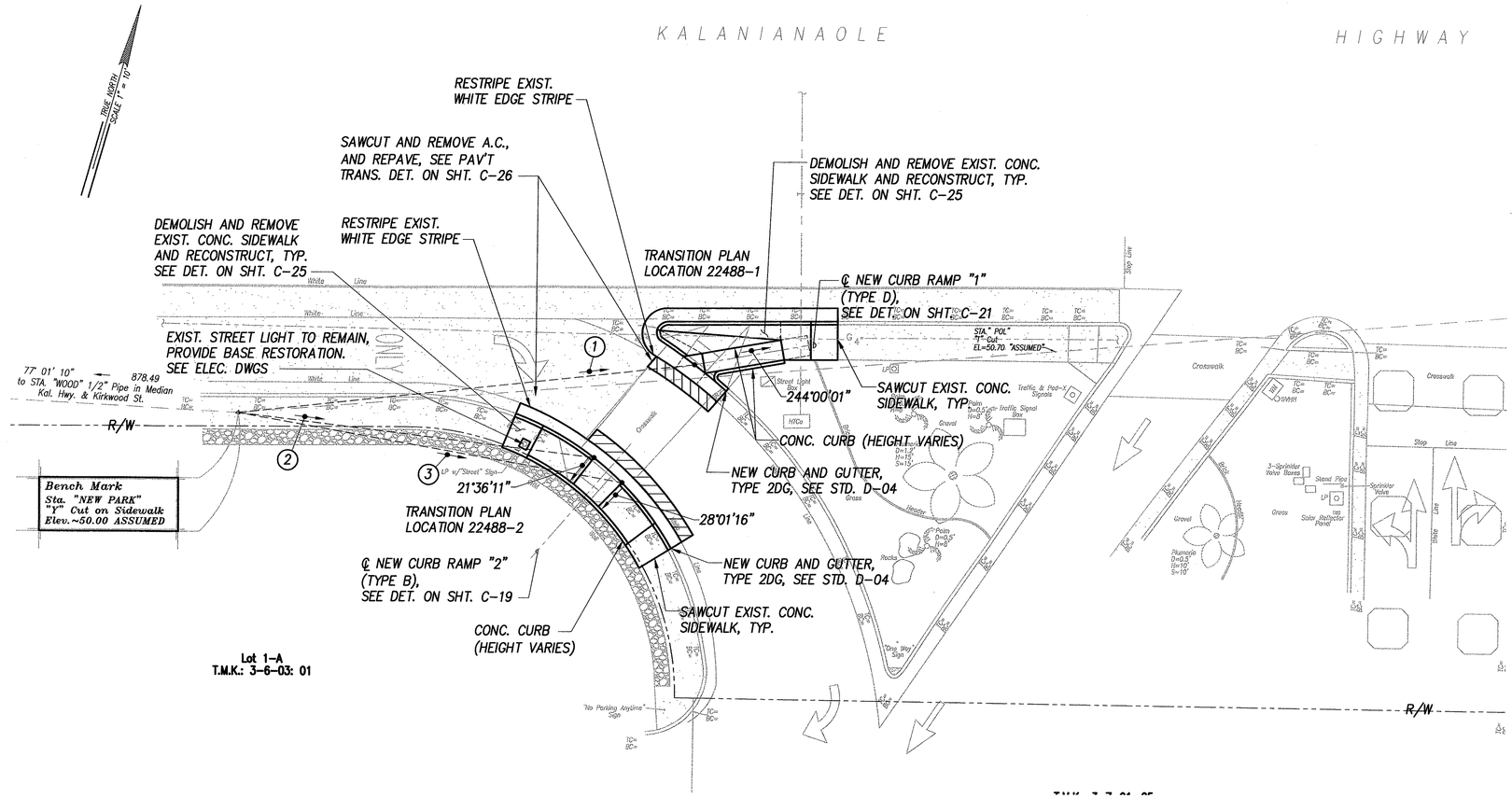
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-92 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	94	180



1 247°44'36" 68.74'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

2 260°56'33" 53.73'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

3 264°03'55" 58.43'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & KAWAIKUI PARK
INTERS. ID NO. 22488
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
KALANIANAOLE HWY & KAWAIKUI PARK
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-93 OF 139 SHEETS

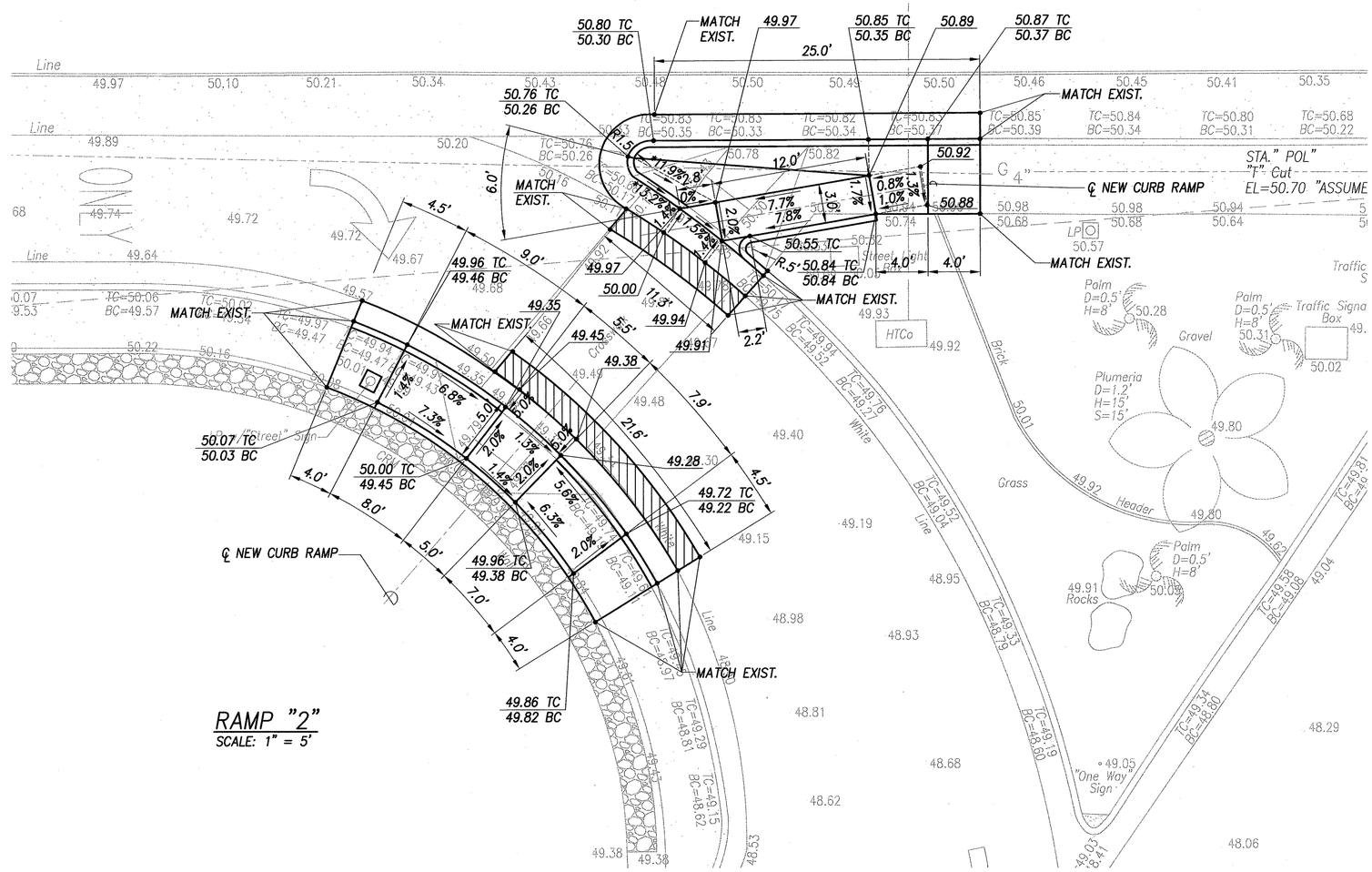
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	95	180

TRUE NORTH
SCALE 1" = 5'

RAMP "1"
SCALE: 1" = 5'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED

KALANIANAOLE HIGHWAY (STATE)



RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & KAWAIKUI PARK
INTERS. ID NO. 22488
SCALE: 1" = 5'

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
No.	CHECKED BY	"

I:\projects\Statewide Adv Components\CMAQ Projects\Kalanianaole and Kawaikui Signs\Signs\Cmaq0300(99)-GRD.dwg 08/17/04 1:24:44 pm mendonsaki

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

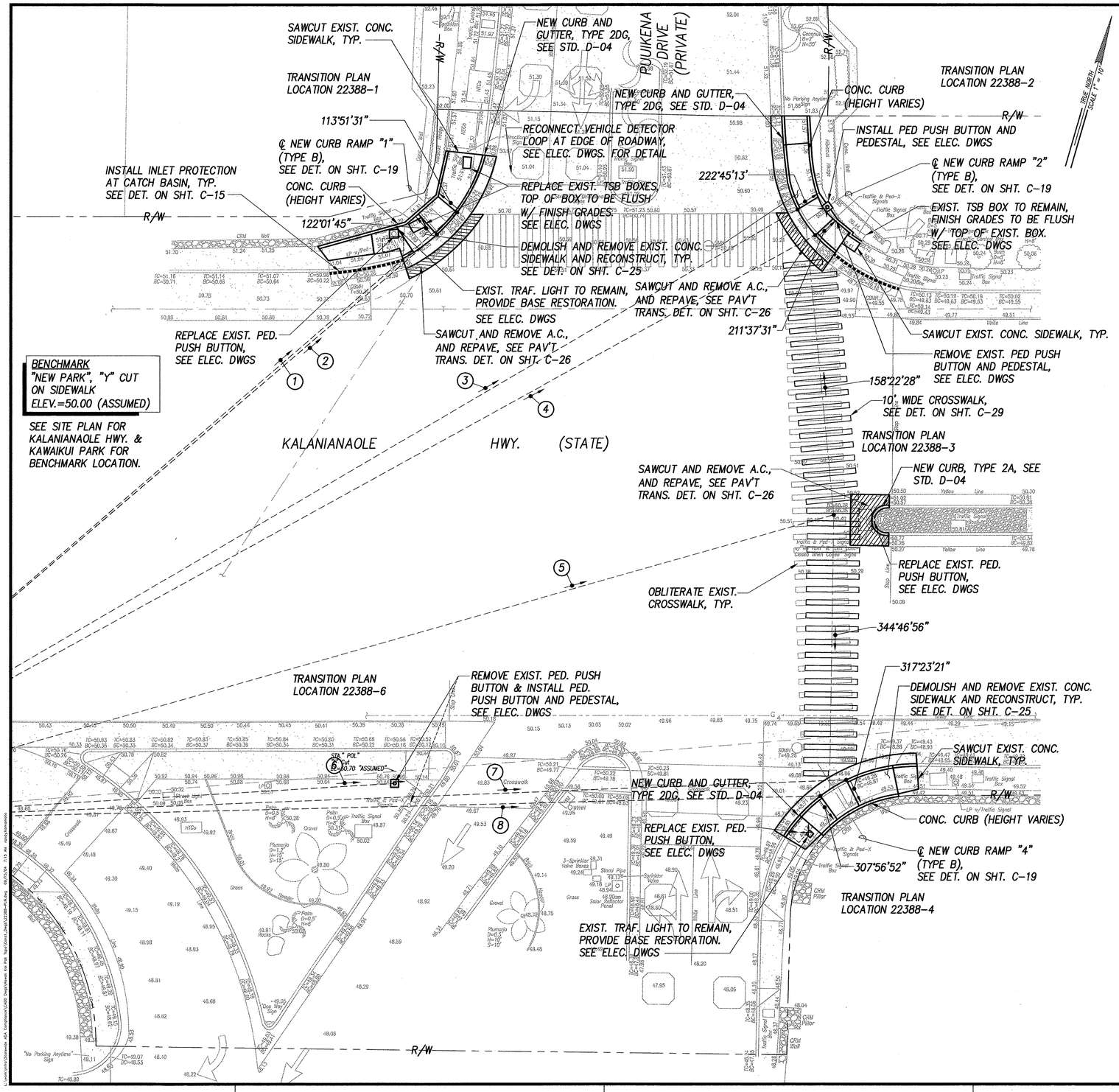
GRADING PLAN – KALANIANAOLE HWY & KAWAIKUI PARK

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-94 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	96	180



(1) 213°05'29" 177.10'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 213°18'57" 171.43'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 223°33'31" 230.15'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 225°01'24" 230.65'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(5) 238°03'58" 213.61'
TIE: BM TO INTERSECTION OF ℄ CROSSWALKS

(6) 250°28'30" 122.42'
TIE: BM TO INTERSECTION OF ℄ PEDESTRIAN PUSH BUTTON

(7) 251°43'05" 208.03'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(8) 252°31'34" 203.02'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE INTERS. ID NO. 22388

SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY		DATE
	DRAWN BY		
NOTE BOOK	TRACED BY		
	DESIGNED BY		
No.	QUANTITIES BY		
	CHECKED BY		

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

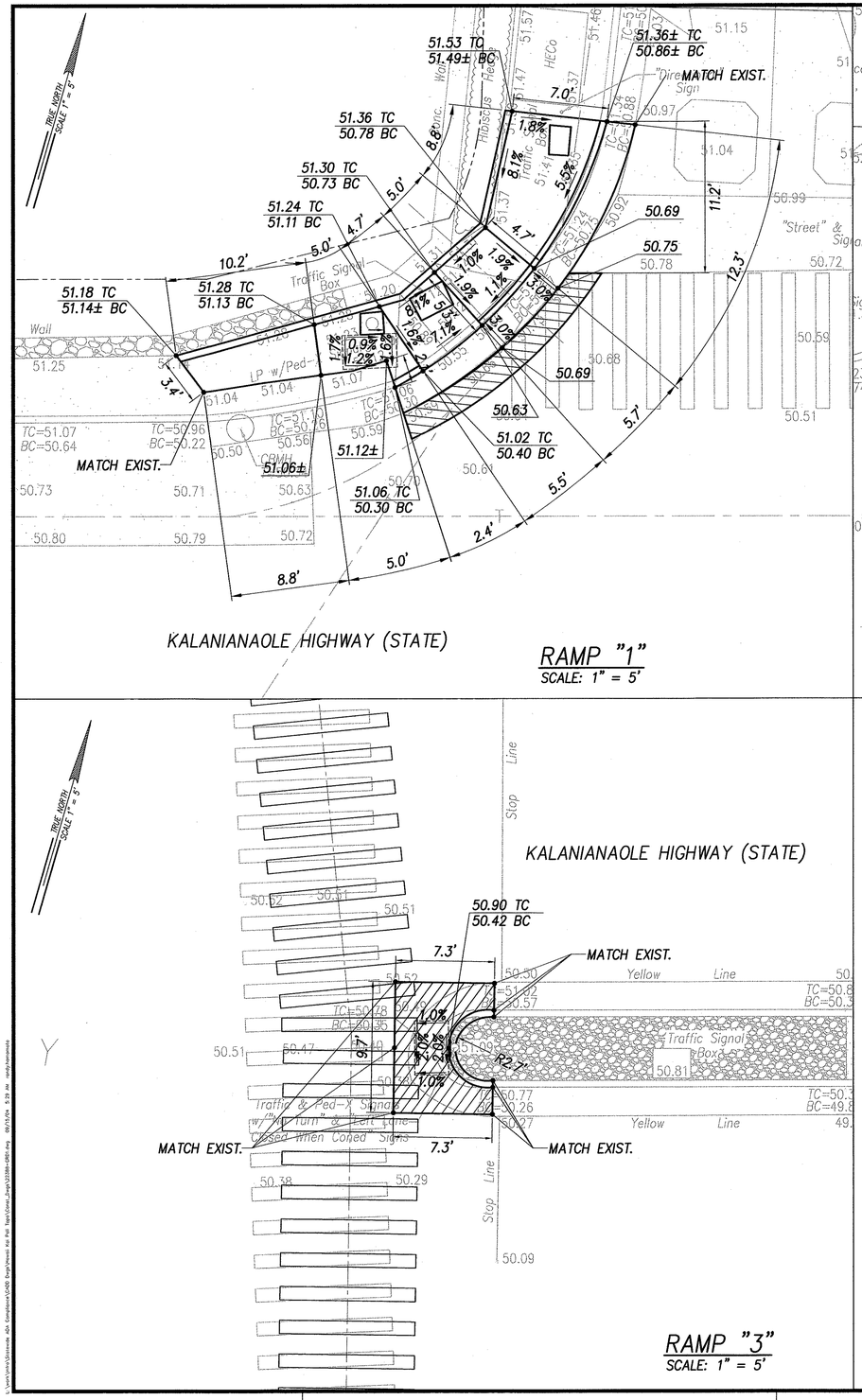
SITE PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE

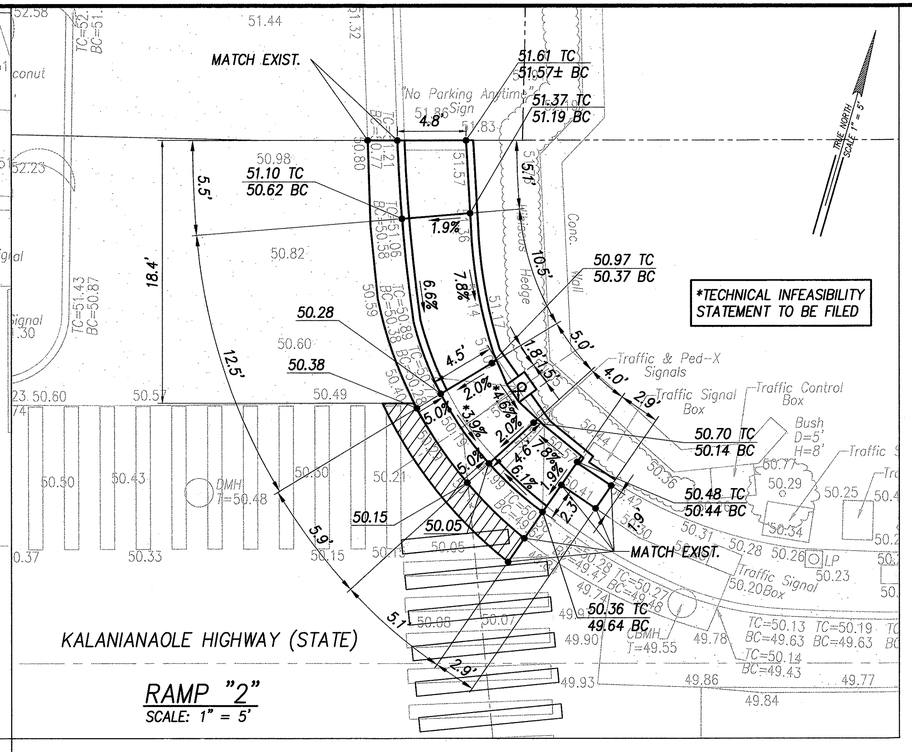
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8 Fed. Aid Proj. No. CMAQ-0300(99)

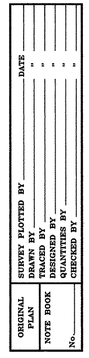
Scale: As Noted Date: August 2004

SHEET No. C-95 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	97	180







GRADING PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE
INTERS. ID NO. 22388
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

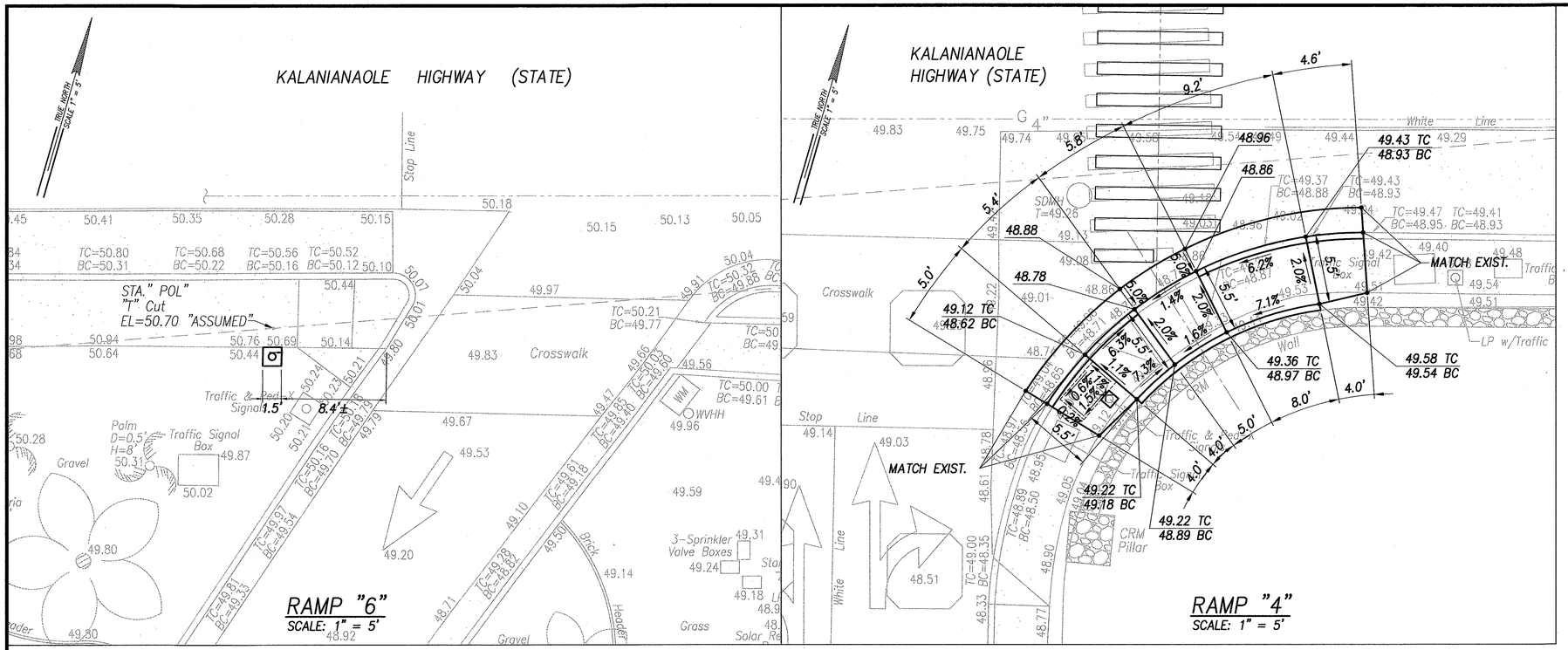
GRADING PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-96 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	98	180



GRADING PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE

INTERS. ID NO. 22388

SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH

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Honolulu, HI 96813

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

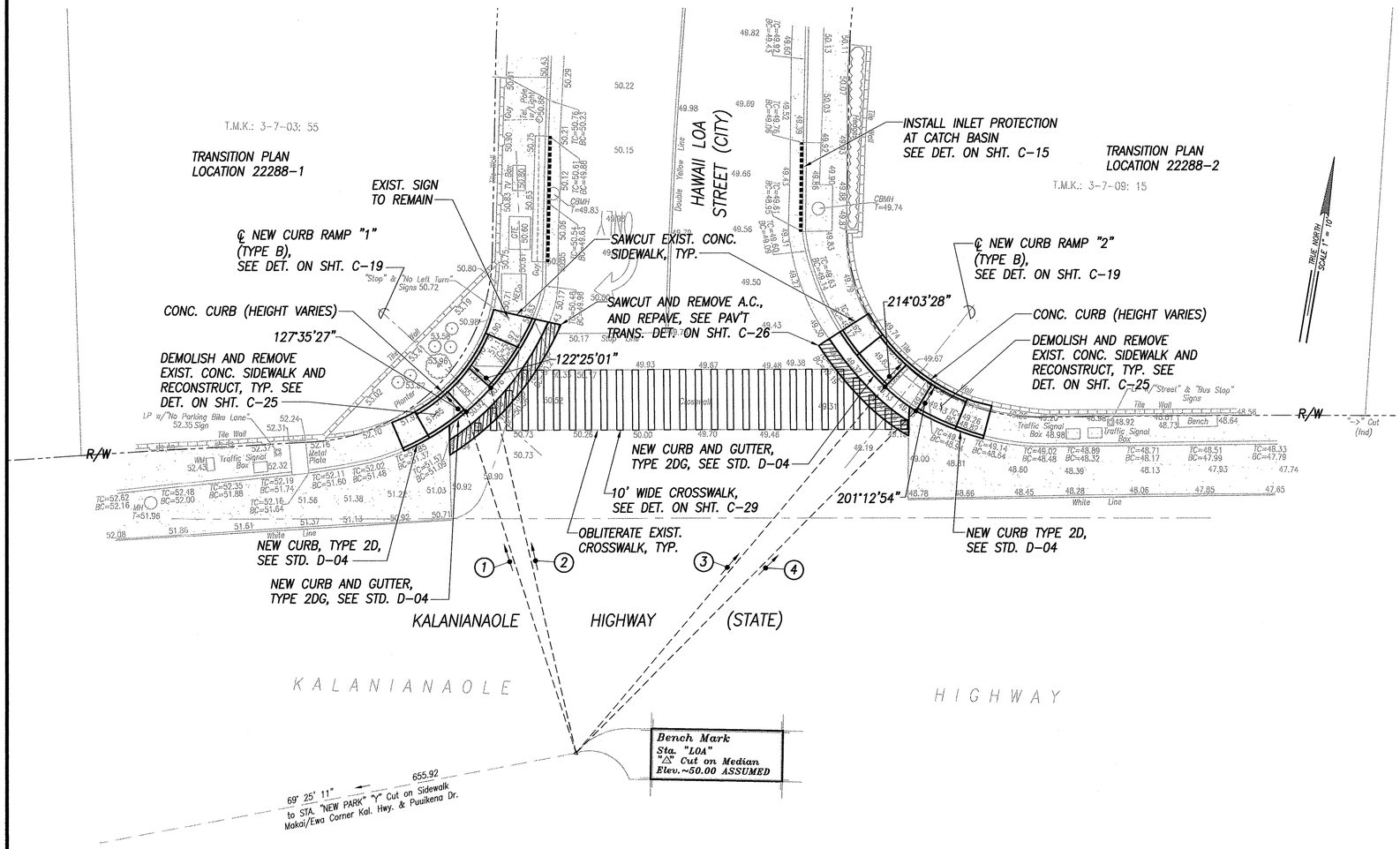
GRADING PLAN – KALANIANAOLE HWY & PUUIKENA DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-97 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	99	180



(1) 152°15'30" 56.74'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 156°58'33" 59.35'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 210°18'13" 75.80'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 214°57'27" 76.29'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & HAWAII LOA STREET
INTERS. ID NO. 22288
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
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EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

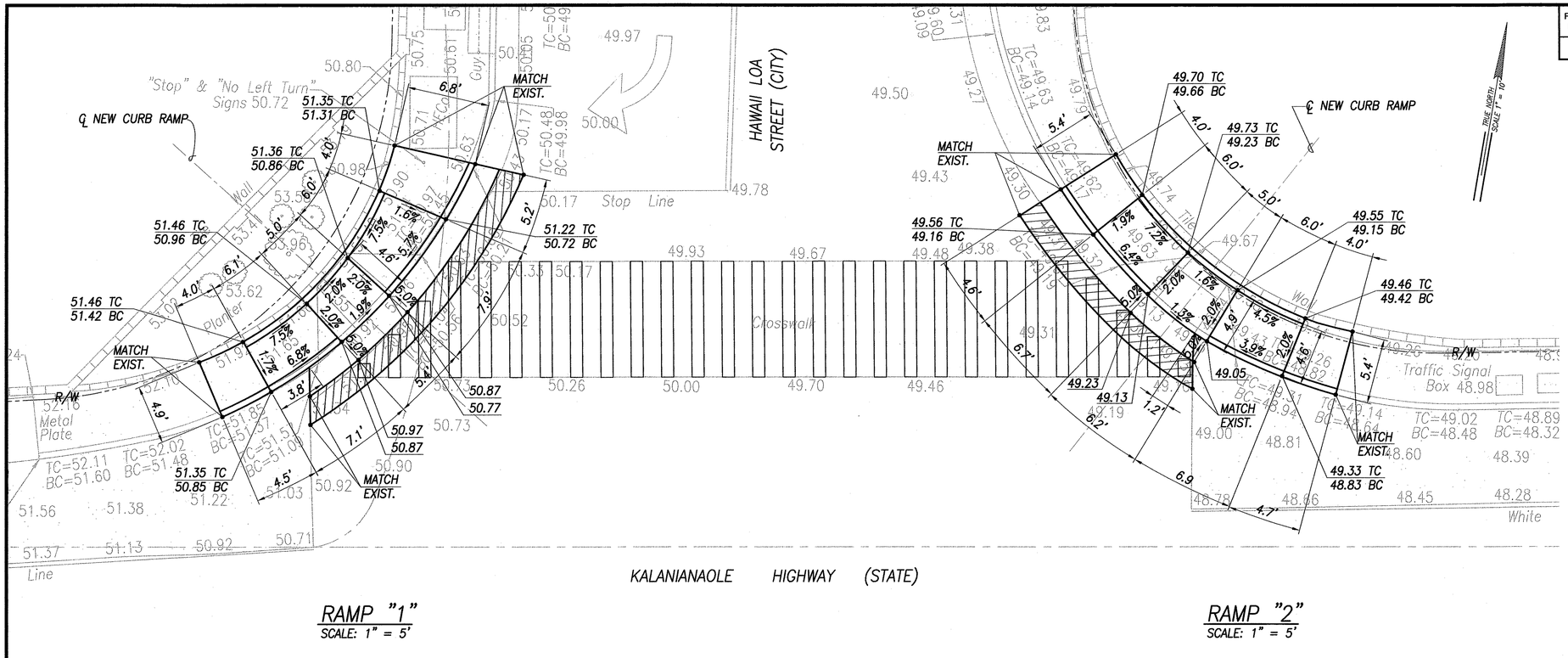
SITE PLAN – KALANIANAOLE HWY & HAWAII LOA STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-98 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	100	180



RAMP "1"
SCALE: 1" = 5'

RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & HAWAII LOA STREET
INTERS. ID NO. 22288
SCALE: 1" = 5'

LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY ____ DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

L:\Projects\Statewide ADA Compliance\CAD\ Brayton\ Ka Ahe Tech\Cover_Dwg\FD0300-099.dwg 8/31/04 3:21 am mmcclennen

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Honolulu, HI 96813

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EXPIRATION DATE OF THE LICENSE 4/30/2006
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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

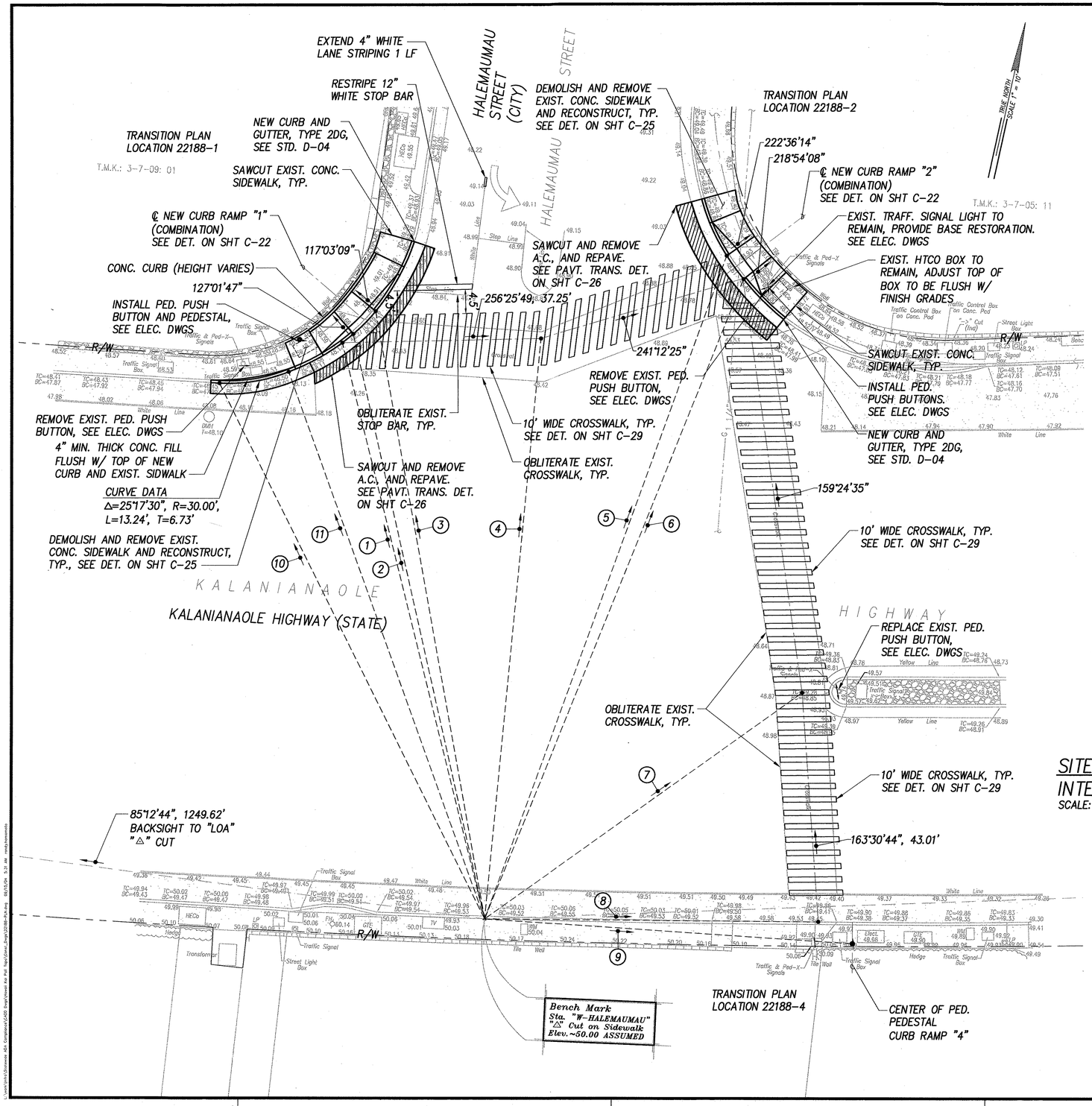
GRADING PLAN – KALANIANAOLE HWY & HAWAII LOA STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ–0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-99 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	101	180



(1) 153°39'42" 111.24'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(2) 154°52'58" 112.36'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 157°22'22" 115.70'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 173°05'28" 109.22'
TIE: BM TO INTERSECTION OF ℄ CROSSWALKS

(5) 187°37'46" 132.17'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(6) 189°36'36" 129.19'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(7) 222°06'55" 72.98'
TIE: BM TO INTERSECTION OF ℄ CROSSWALKS

(8) 258°05'53" 62.49'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(9) 261°27'26" 69.06'
TIE: BM TO INTERSECTION OF ℄ PEDESTAL

(10) 141°12'56" 112.08'
TIE: BM TO PC AT CURB FACE

(11) 147°49'58" 108.95'
TIE: BM TO PT AT CURB FACE

SITE PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (WEST) INTERS. ID NO. 22188

SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

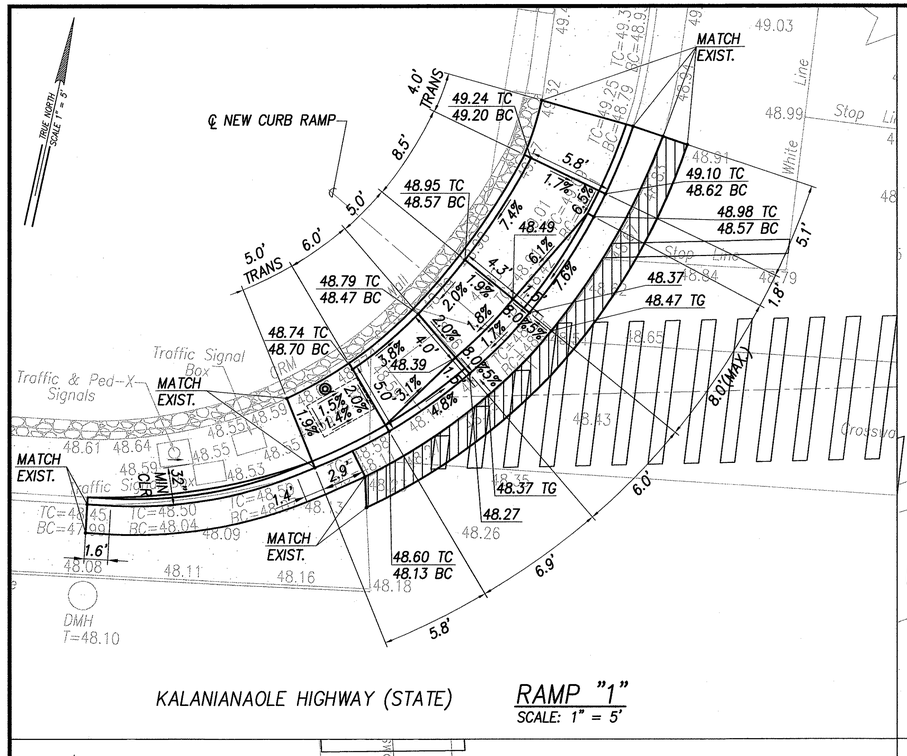
SITE PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (WEST)

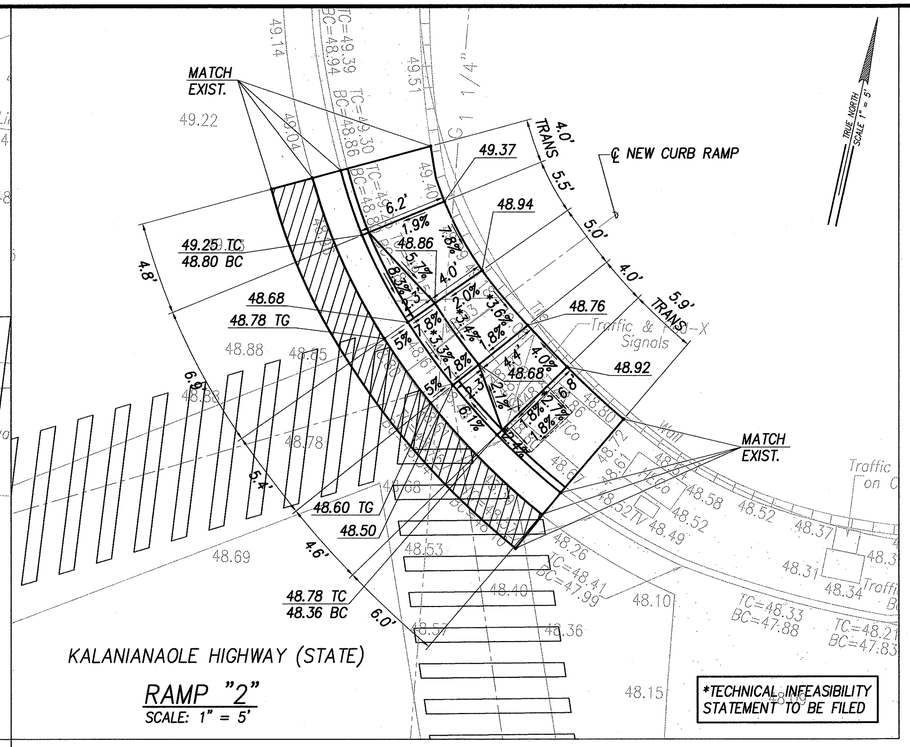
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

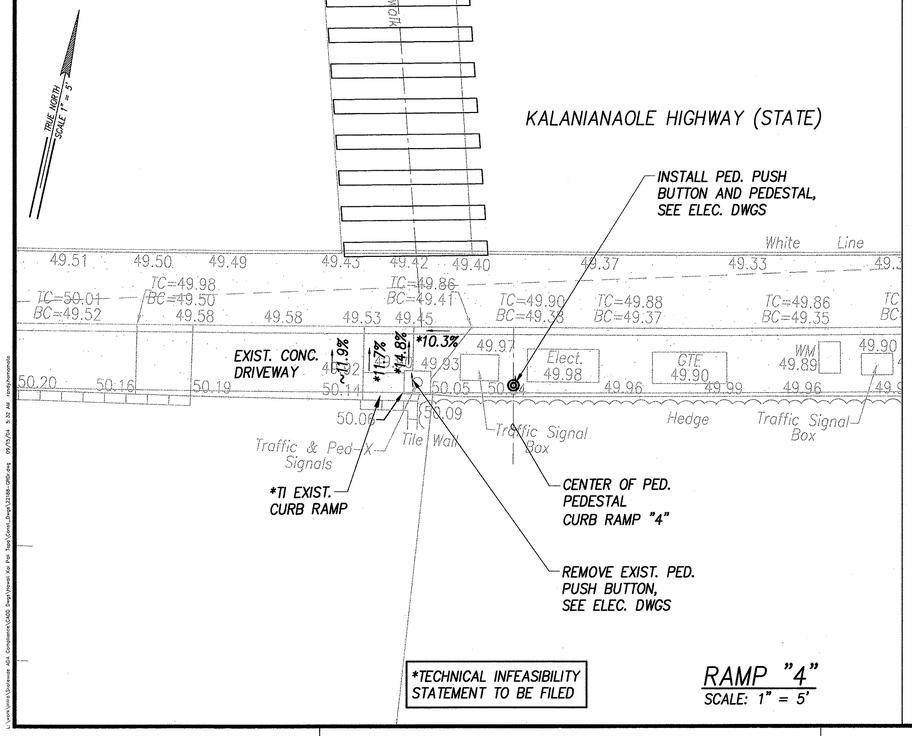
Scale: As Noted Date: August 2004

SHEET No. C-100 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	102	180







ORIGINAL PLAN	SURVEY PLOTTED BY
	DRAWN BY
NOTE BOOK	TRACED BY
	DESIGNED BY
No.	QUANTITIES BY
	CHECKED BY
	DATE

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (WEST)

INTERS. ID NO. 22188

SCALE: 1" = 5'

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

EARTH TECH
A Tyco Infrastructure Services Company
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

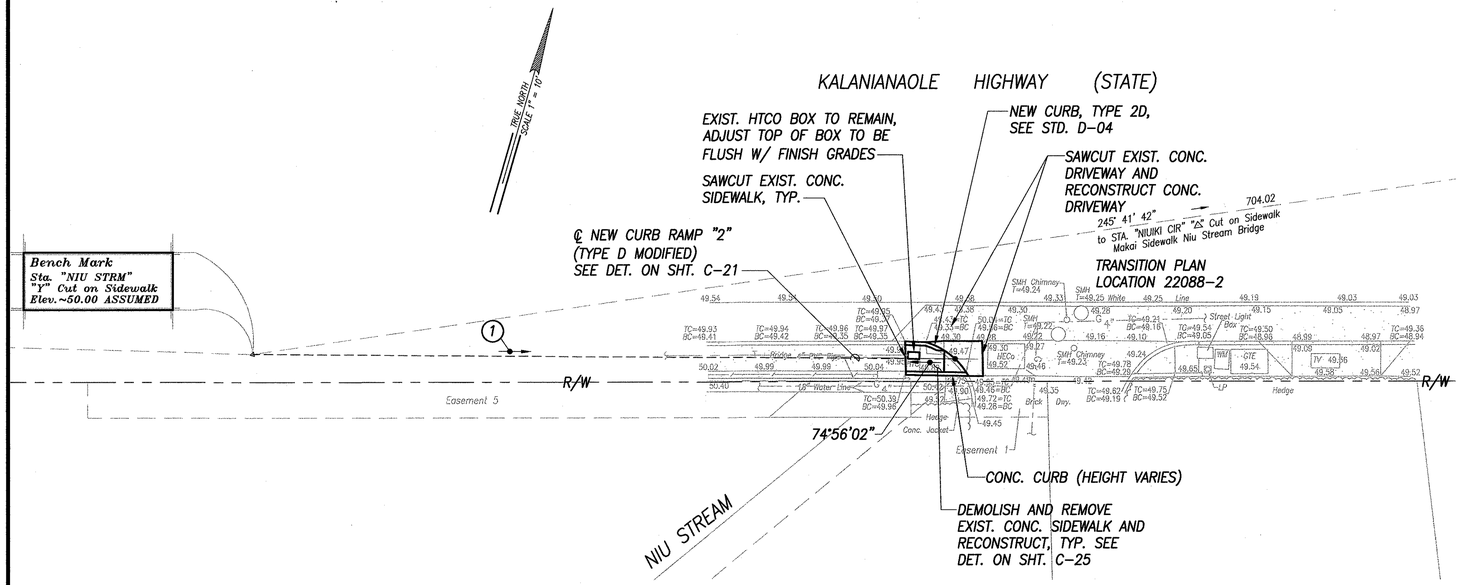
GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (WEST)

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ–0300(99)

Scale: As Noted Date: August 2004

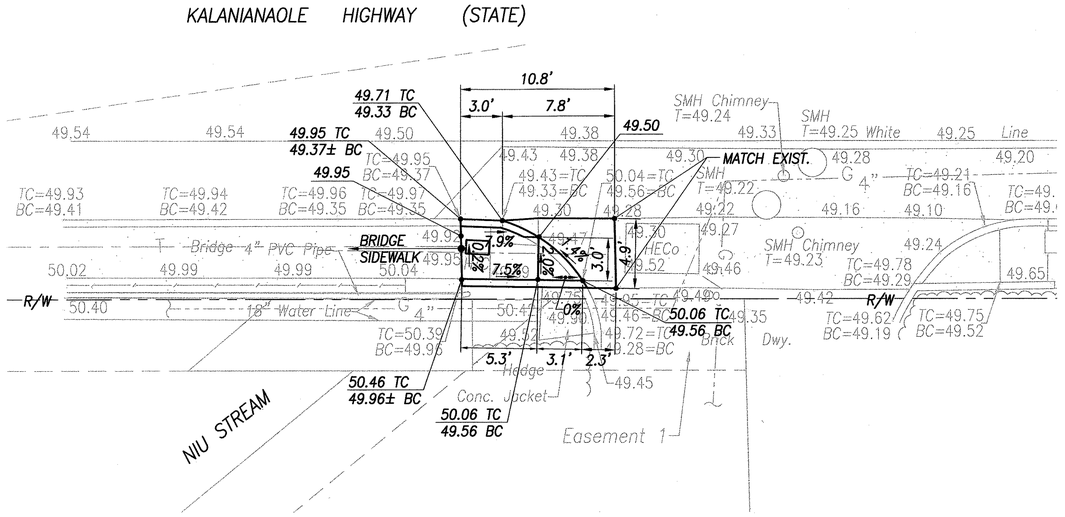
SHEET No. C-101 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	103	180



SITE PLAN – KALANIANAOLE HWY & NIU STREAM
INTERS. ID NO. 22088
SCALE: 1" = 10'

1 254°23'14" 98.16'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE



RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & NIU STREAM
INTERS. ID NO. 22088
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'
1" = 5' 5' 0 5' 10'

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EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE & GRADING PLAN – KALANIANAOLE HWY & NIU STREAM

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-102 OF 139 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK | No.

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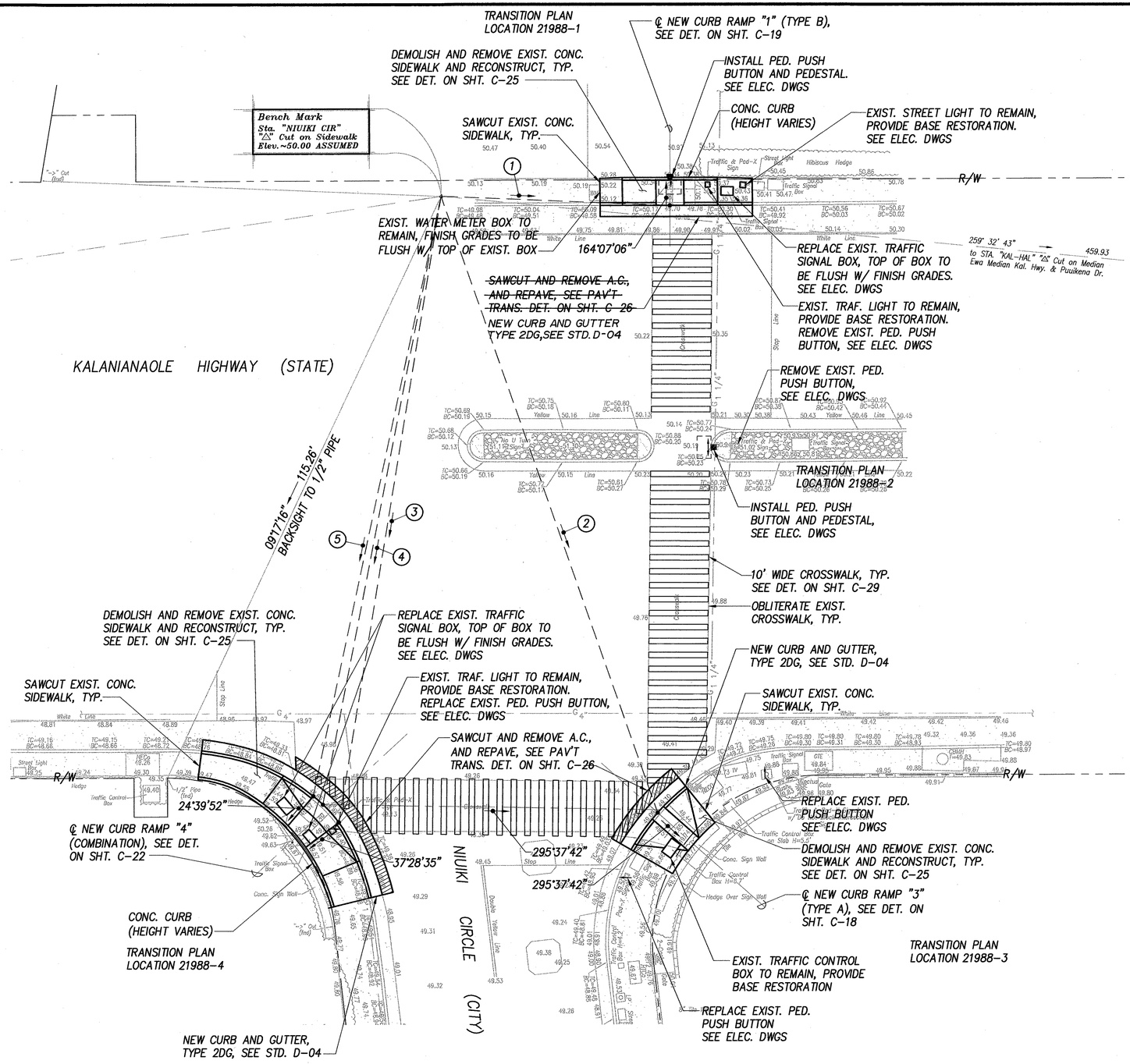
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	104	180



1. 256°26'13" 40.98'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
2. 324°50'07" 117.24'
   TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE
3. 353°23'42" 113.82'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 355°06'47" 111.18'
   TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE
5. 356°09'05" 110.02'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE
INTERS. ID NO. 21988
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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SITE PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE

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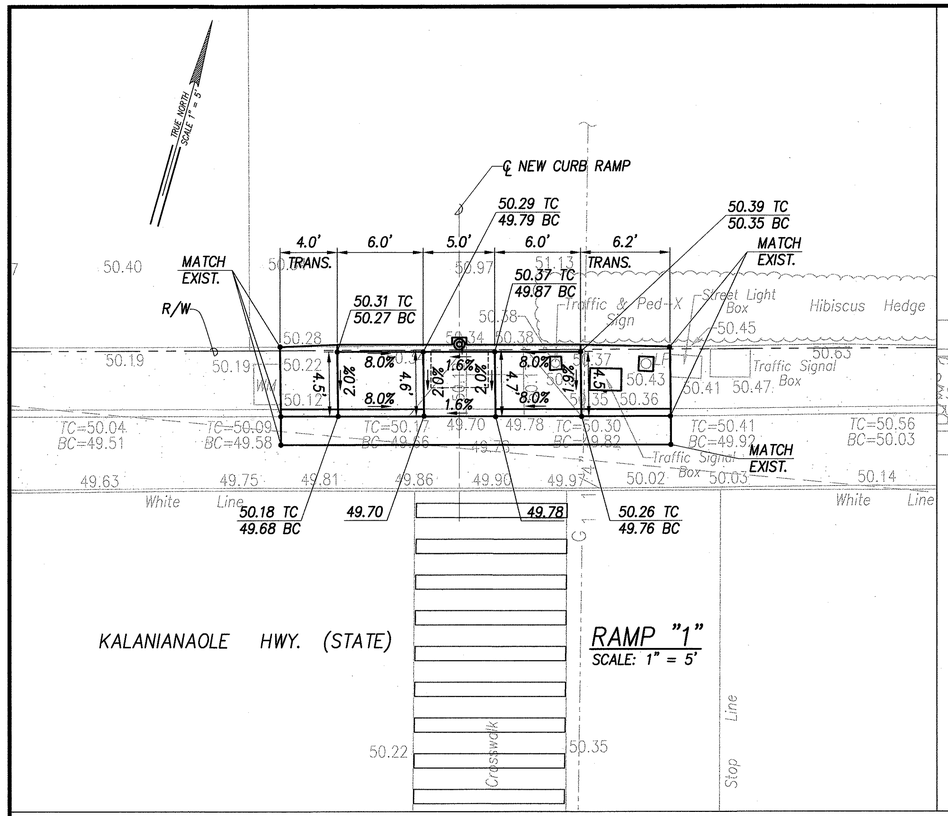
Fed. Aid Proj. No. CMAQ-0300(99)

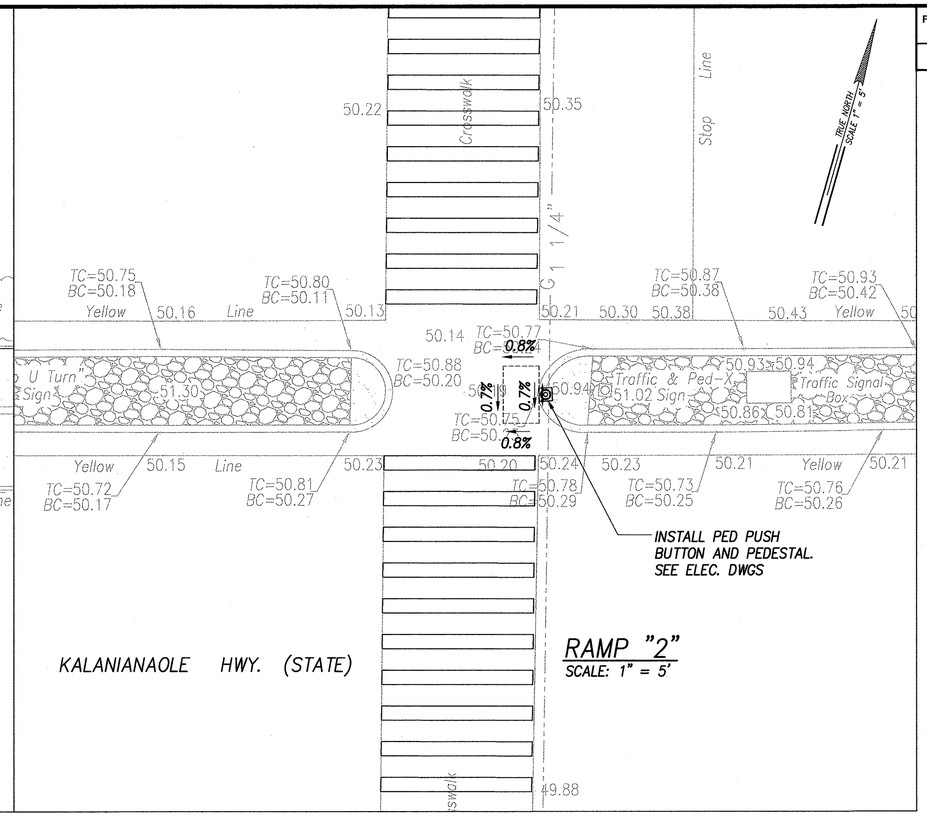
Scale: As Noted Date: August 2004

SHEET No. C-103 OF 139 SHEETS

"AS-BUILT" 104

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	105	180





GRADING PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE

INTERS. ID NO. 21988

SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

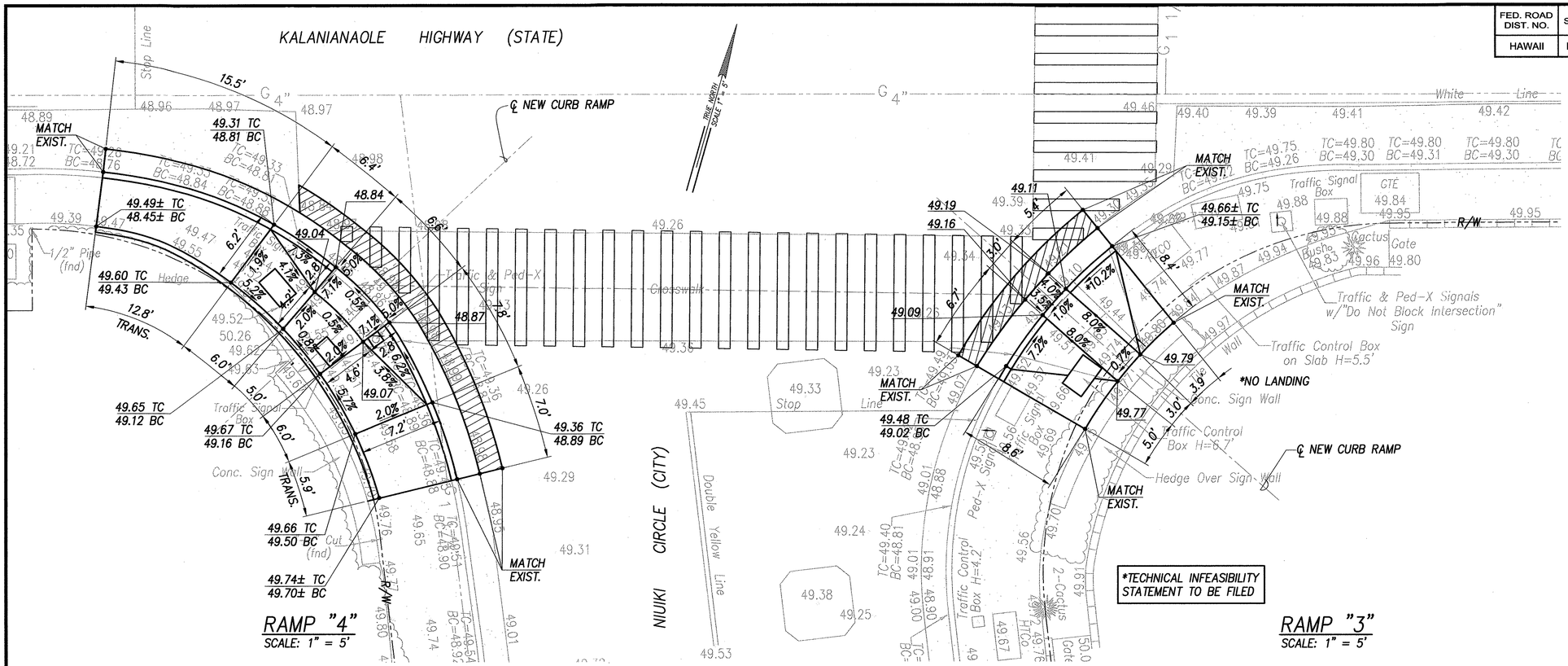
GRADING PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-104 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	106	180



GRADING PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE
INTERS. ID NO. 21988
SCALE: 1" = 5'

LEGEND	
∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	"
No.	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"

EARTH TECH
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Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006.
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

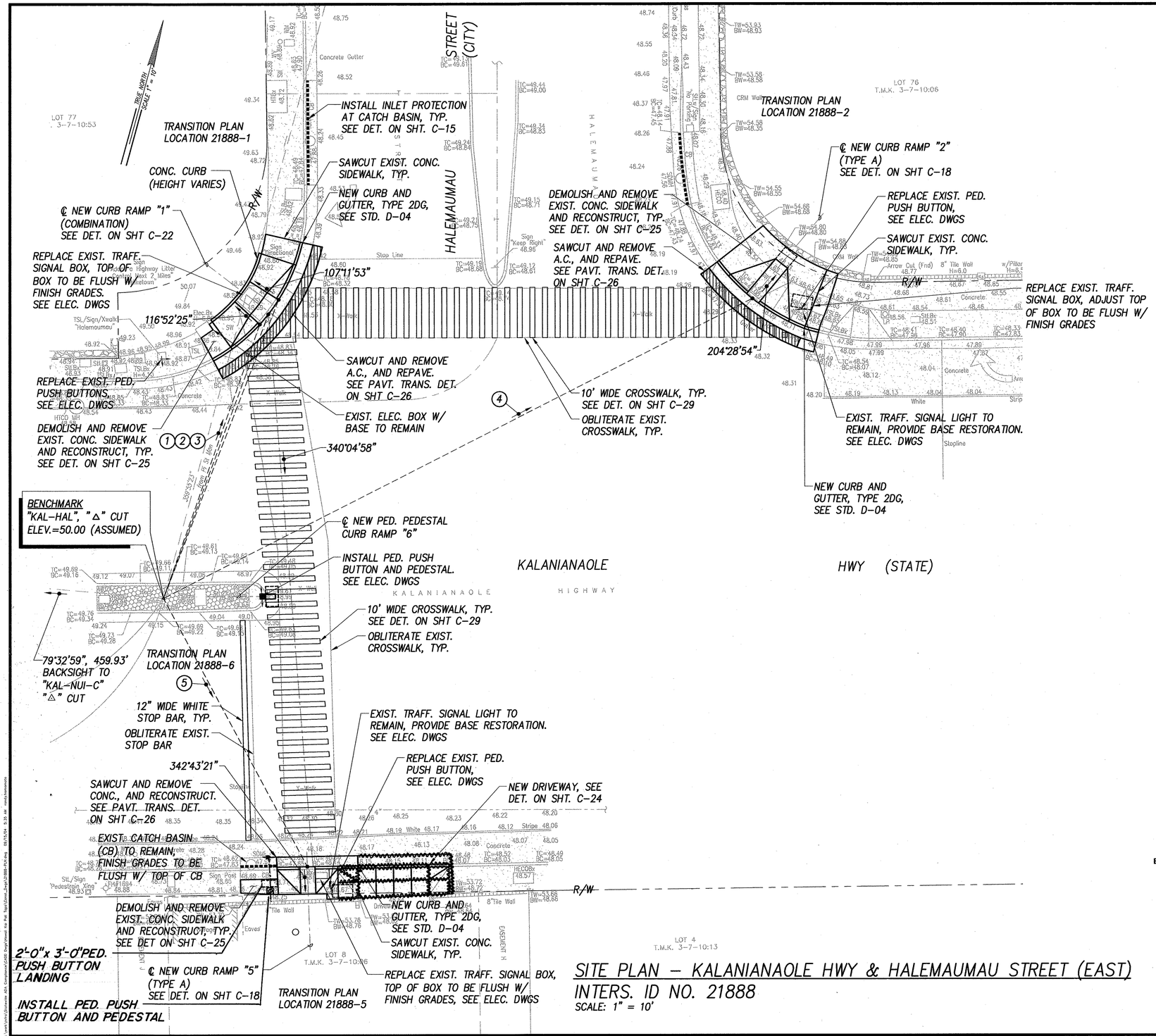
GRADING PLAN – KALANIANAOLE HWY & NIUIKI CIRCLE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-105 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	107	180



(1) 184°02'39" 57.69'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 184°55'28" 60.14'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(3) 185°45'03" 63.55'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 227°42'00" 131.07'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(5) 316°34'12" 60.50'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
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ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

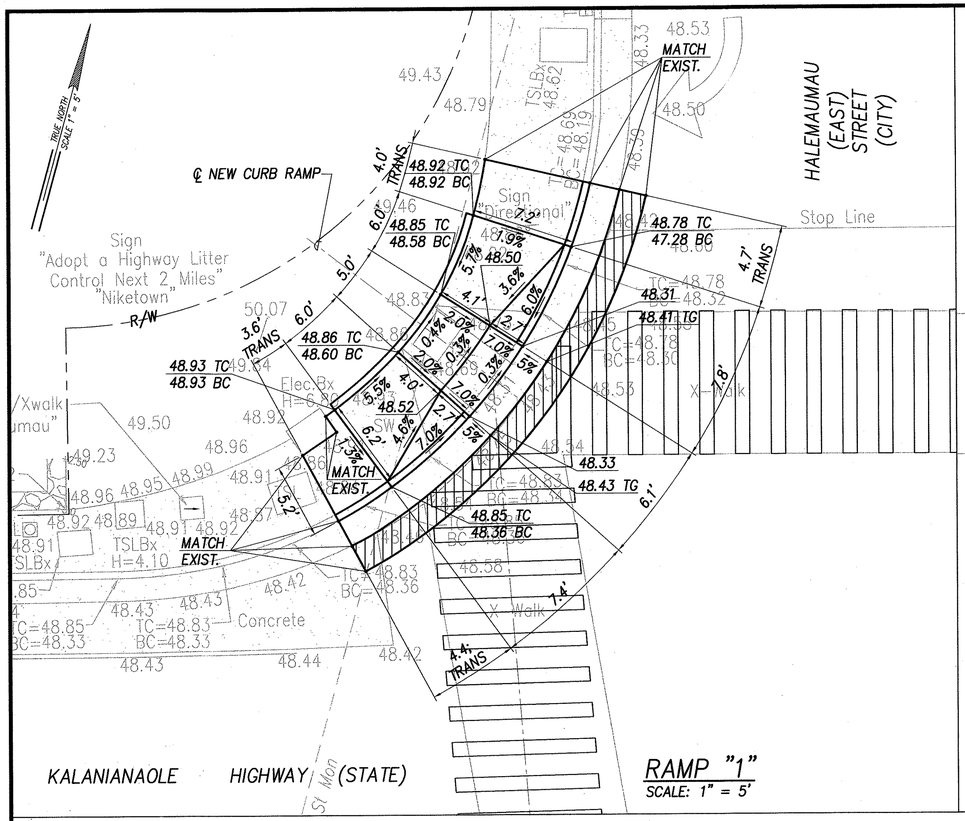
SITE PLAN - KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

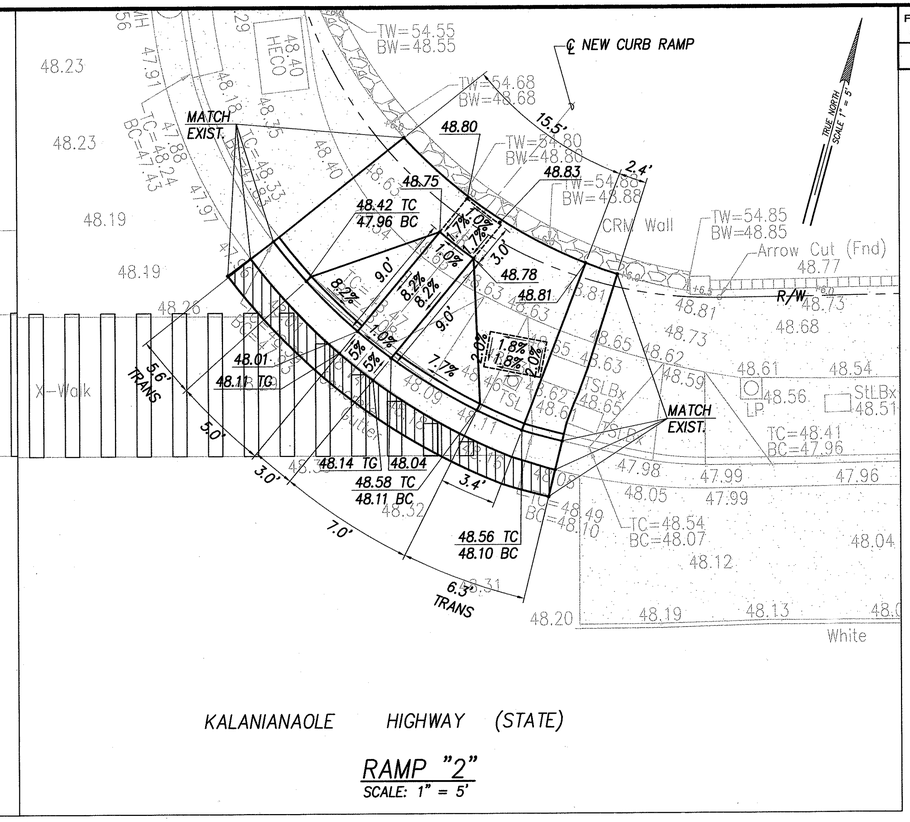
Scale: As Noted Date: August 2004

SHEET No. C-106 OF 139 SHEETS

SITE PLAN - KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)
INTERS. ID NO. 21888
SCALE: 1" = 10'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	108	180





GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)

INTERS. ID NO. 21888

SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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ARDALAN R. NIKOU
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EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

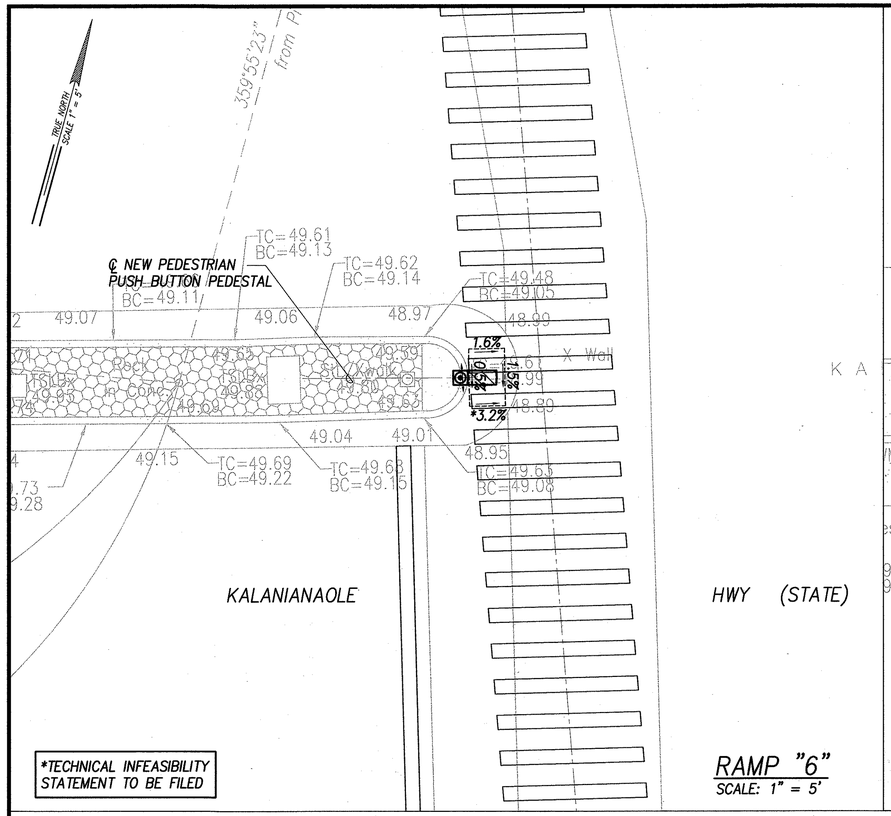
GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

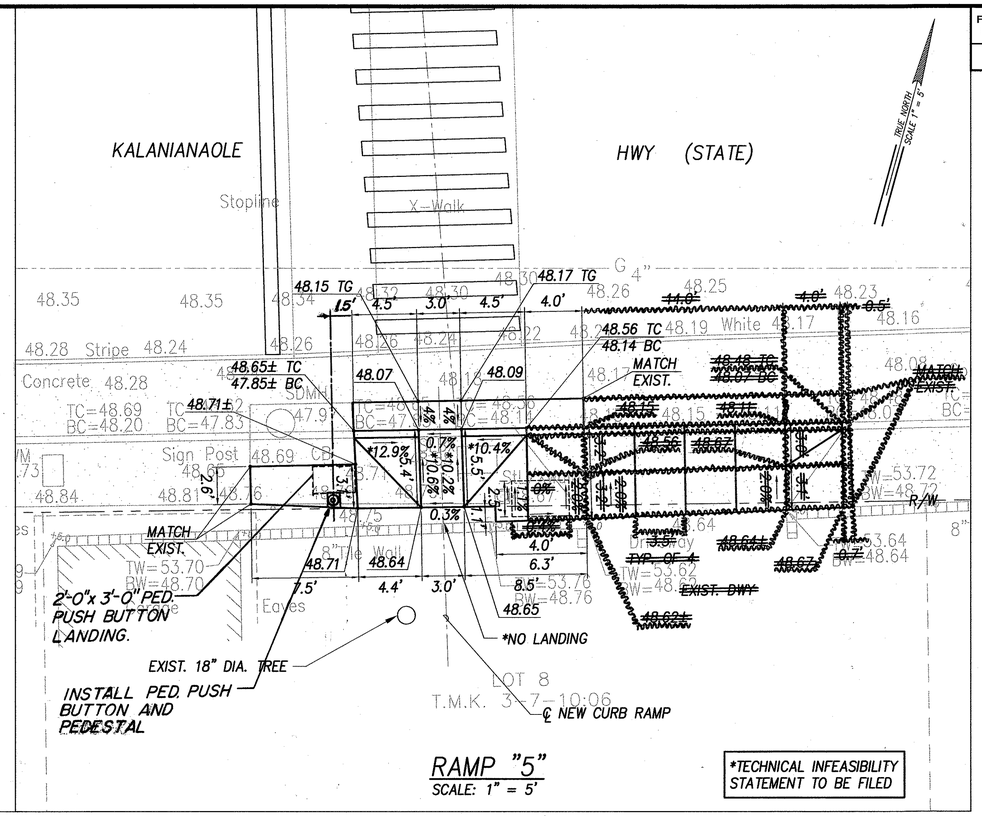
Scale: As Noted Date: August 2004

SHEET No. C-107 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	109	180



RAMP "6"
SCALE: 1" = 5'



RAMP "5"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)

INTERS. ID NO. 21888
SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC 50.00 BC	FINISHED TOP OF CURB FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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EARTH TECH
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Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

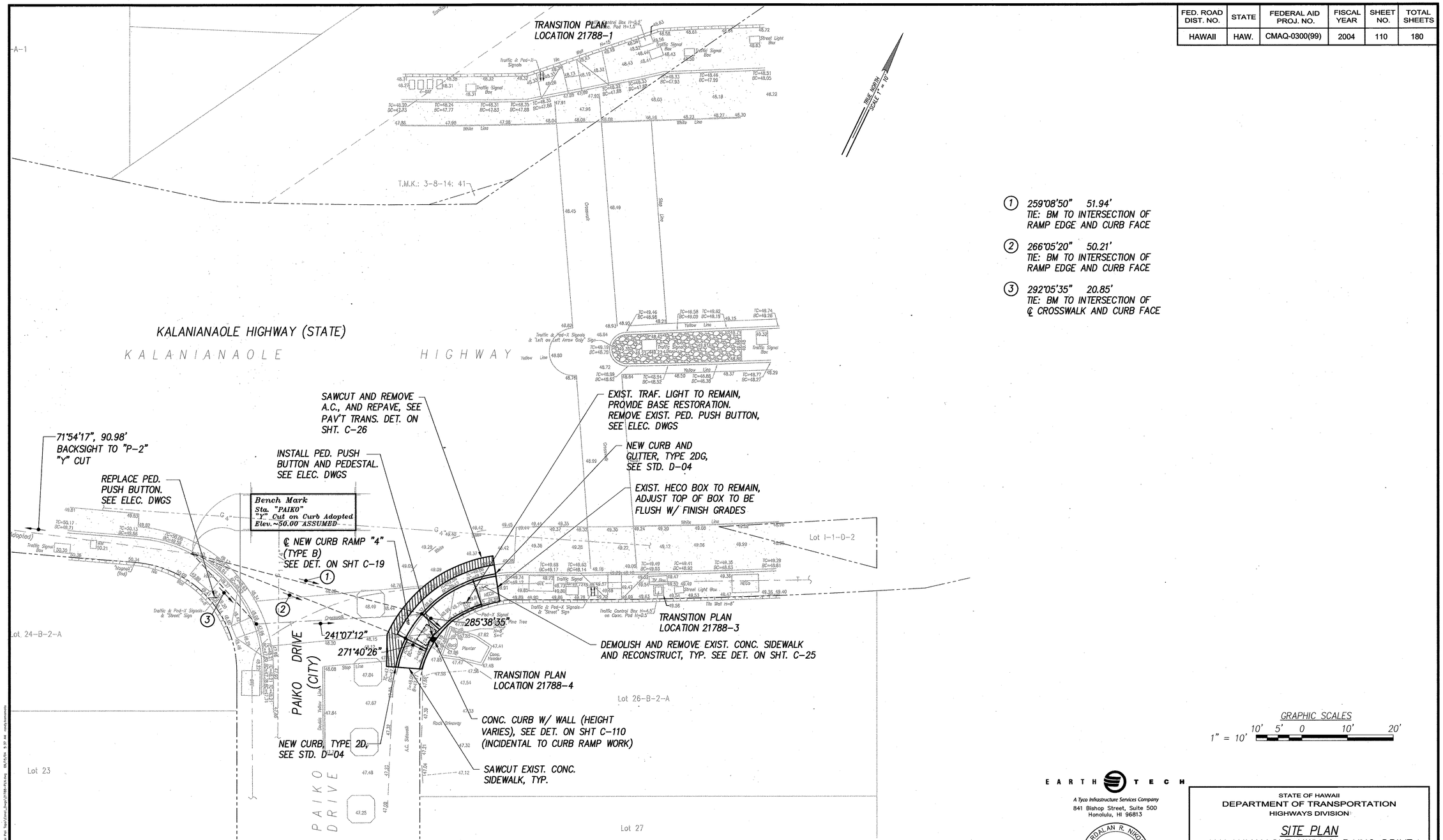
GRADING PLAN – KALANIANAOLE HWY & HALEMAUMAU STREET (EAST)

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-108 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	110	180



(1) 259°08'50" 51.94'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 266°05'20" 50.21'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 292°05'35" 20.85'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – KALANIANAOLE HWY & PAIKO DRIVE
INTERS. ID NO. 21788
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
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Honolulu, HI 96813

ABDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

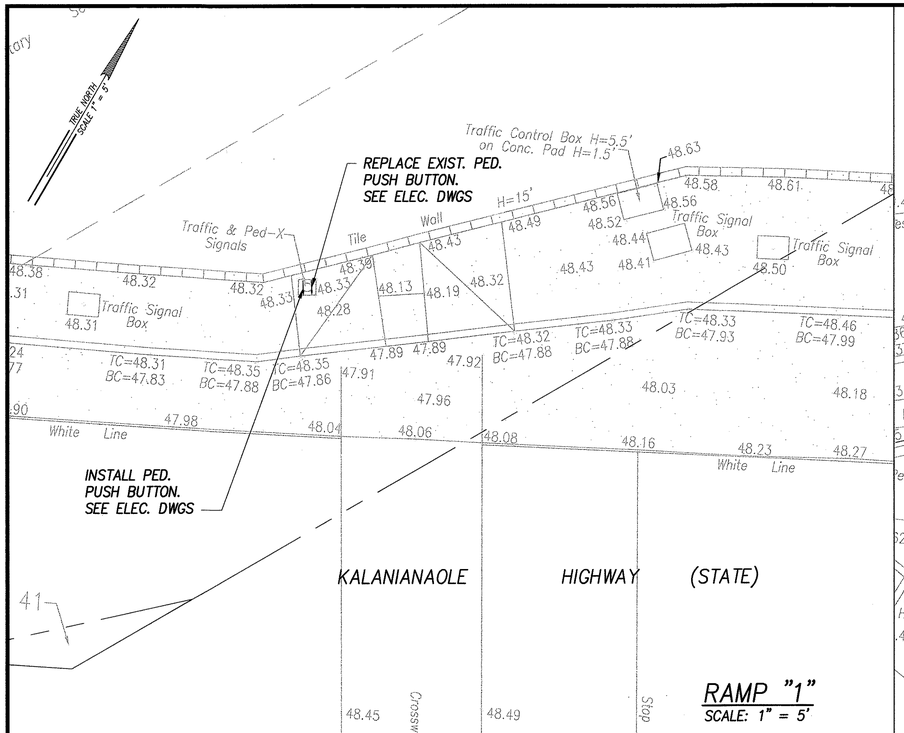
SITE PLAN
KALANIANAOLE HWY & PAIKO DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

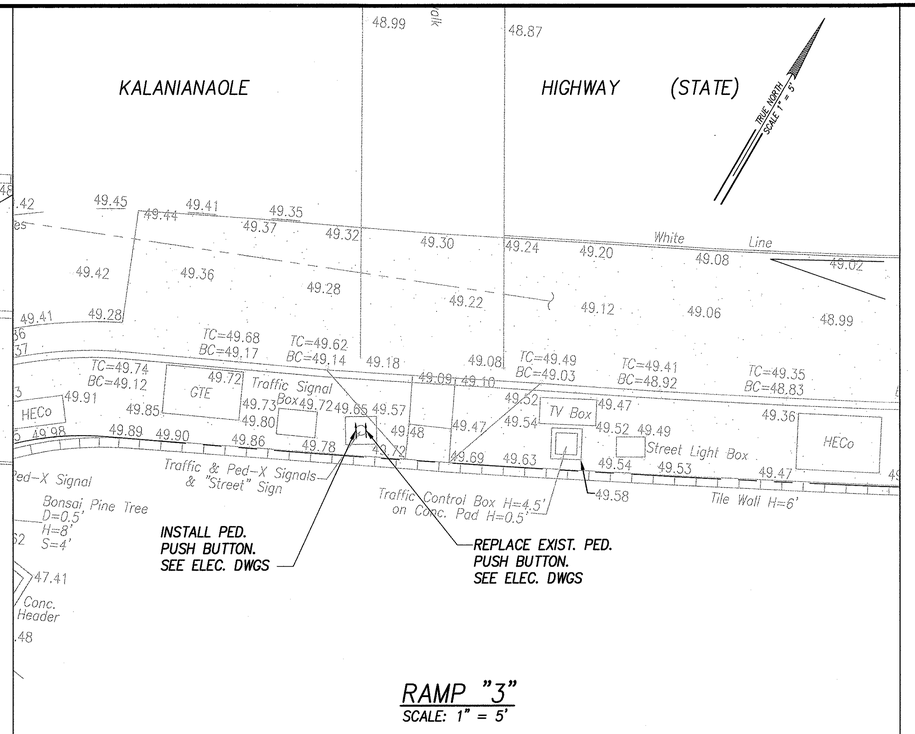
Scale: As Noted Date: August 2004

SHEET No. C-109 OF 139 SHEETS

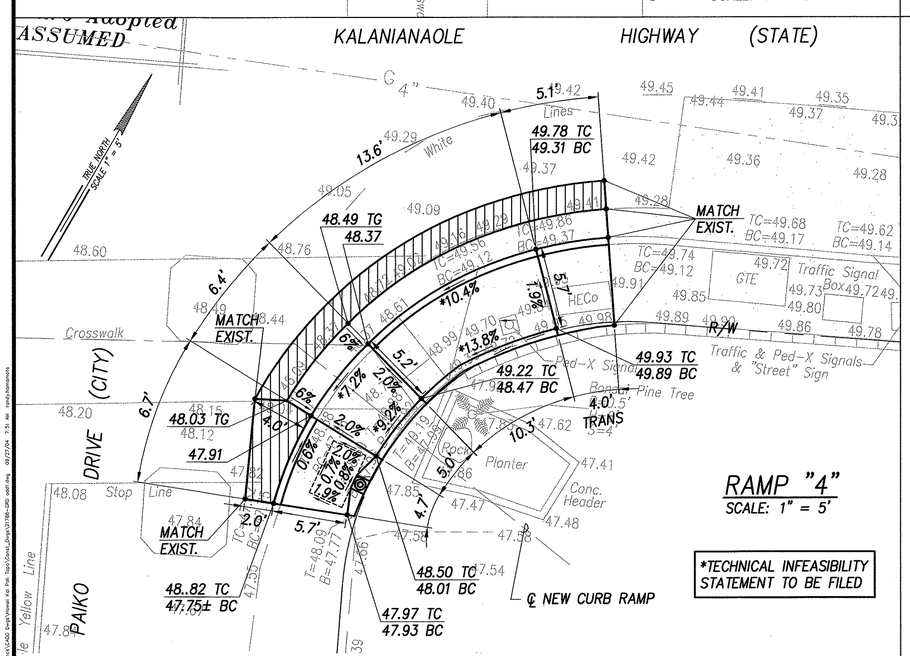
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	ADD.111	180



RAMP "1"
SCALE: 1" = 5'

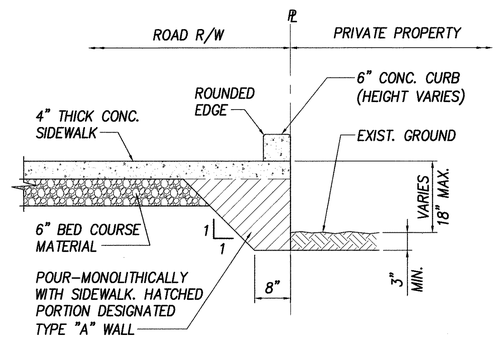


RAMP "3"
SCALE: 1" = 5'



GRADING PLAN – KALANIANAOLE HWY & PAIKO DRIVE
INTERS. ID NO. 21788
SCALE: 1" = 5'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED



TYPE "A" WALL DETAIL
SCALE: 3/4" = 1'-0"

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLANS	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

DATE	REVISION
9/22/04	Relocated ppb to right ramp, Ramp 4

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KALANIANAOLE HWY & PAIKO DRIVE

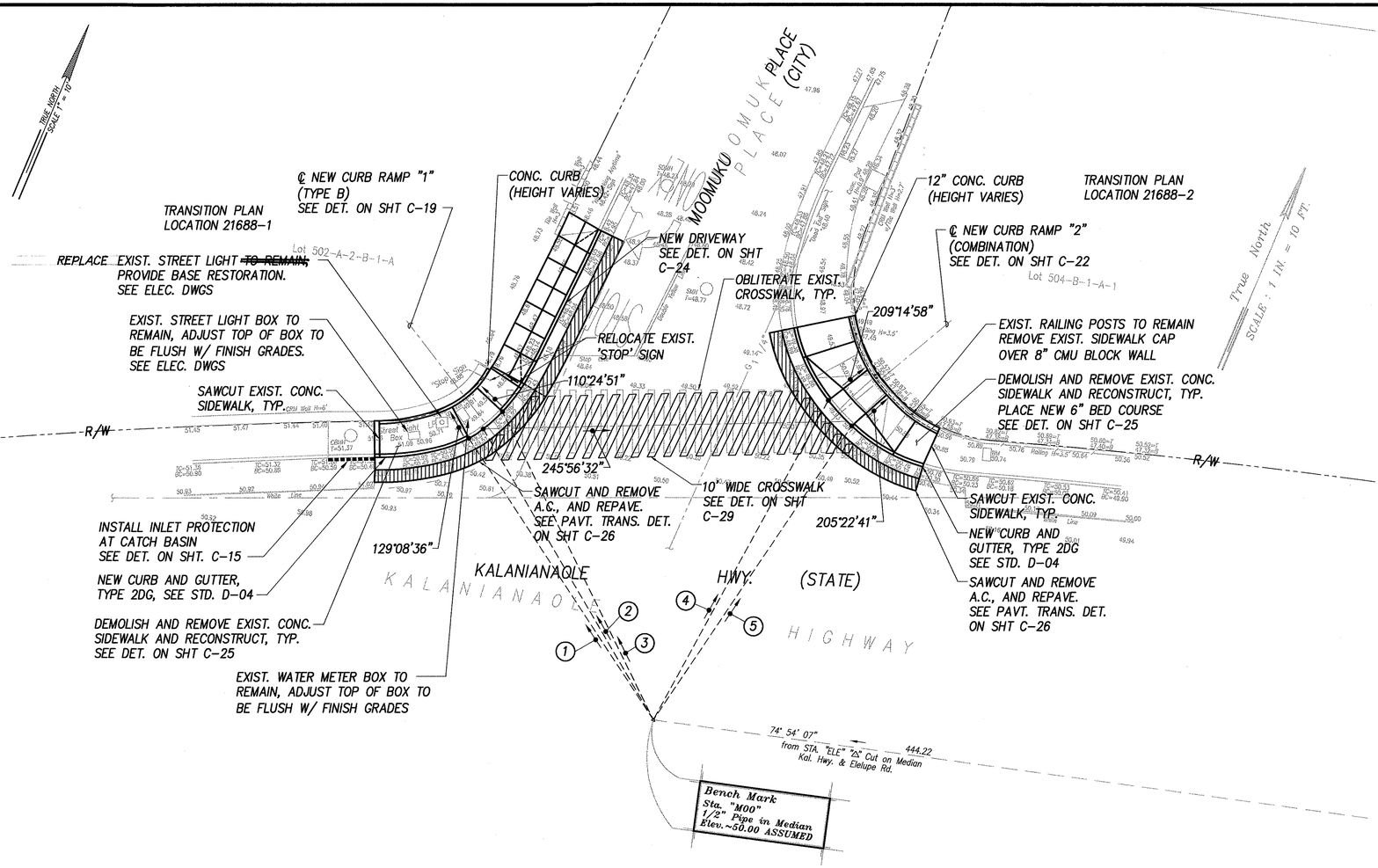
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-110 OF 139 SHEETS

ADD.111

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	112	180



1. 123°50'21" 53.58'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
2. 126°45'05" 53.63'
   TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE
3. 130°58'20" 54.60'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
4. 185°47'08" 57.90'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE
5. 191°05'38" 56.36'
   TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & MOOMUKU PLACE
INTERS. ID NO. 21688
SCALE: 1" = 10'

APPROVED:

Joseph W. Kaahua for 5/19/04
Principal Executive Maintenance Unit, BWS — Date

GRAPHIC SCALES
1" = 10' — 10' 5' 0 10' 20'

ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

GARY T. YAMAMOTO
LICENSED PROFESSIONAL ENGINEER
No. 2997-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

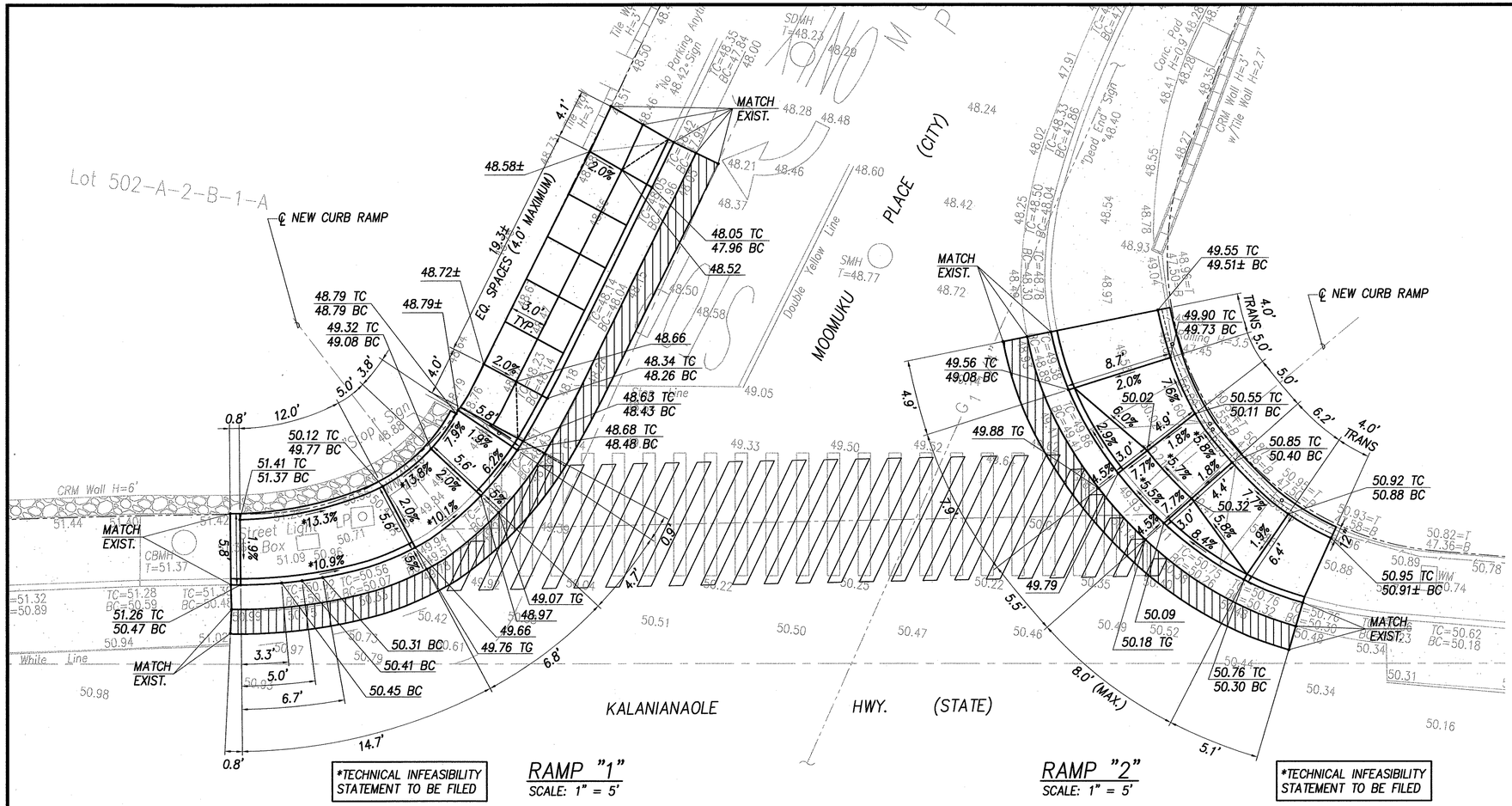
SITE PLAN
KALANIANAOLE HWY & MOOMUKU PLACE
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-111 OF 139 SHEETS

"AS-BUILT" 112

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	113	180



RAMP "1"
SCALE: 1" = 5'

RAMP "2"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & MOOMUKU PLACE
INTERS. ID NO. 21688
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ABDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
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HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN
KALANIANAOLE HWY & MOOMUKU PLACE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-112 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	114	180

TRANSITION PLAN LOCATION 21588-1

TRANSITION PLAN LOCATION 21588-4

TRANSITION PLAN LOCATION 21588-2

10' WIDE CROSSWALK SEE DET. ON SHT C-29

OBLITERATE EXIST. CROSSWALK, TYP.

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

10' WIDE CROSSWALK SEE DET. ON SHT C-29

OBLITERATE EXIST. CROSSWALK, TYP.

SAWCUT AND REMOVE A.C., AND REPAVE. SEE PAVT. TRANS. DET. ON SHT C-26

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

SAWCUT EXIST. CONC. SIDEWALK, TYP.

℄ NEW CURB RAMP "2" (TYPE B) SEE DET. ON SHT C-19

CONC. CURB (HEIGHT VARIES)

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT C-25

KALANIANAOLE HIGHWAY (STATE)

KALANIANAOLE HIGHWAY

PAEOKI DRIVE (CITY)

PAEOKI DRIVE

Bench Mark
Sta. "ELE"
"△" Cut on Median
Elev.=50.00 ASSUMED

77° 22' 18" 1230.43
from STA. "BAY" "Magnail" on Sidewalk
Mauka Kal. Hwy. & Bay St.

1 36°44'52" 108.54'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

2 38°01'03" 102.79'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

291°42'20"

278°28'07"

TRUE NORTH
SCALE 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

Lot A-9-A-3-A-1

Lot A-9-A-4-A-1

Lot A-9-A-5-A-1

SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK
ORIGINAL PLAN
No.

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ANDALAN R. NINOU
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HAWAII

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
KALANIANAOLE HWY & PAEOKI DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

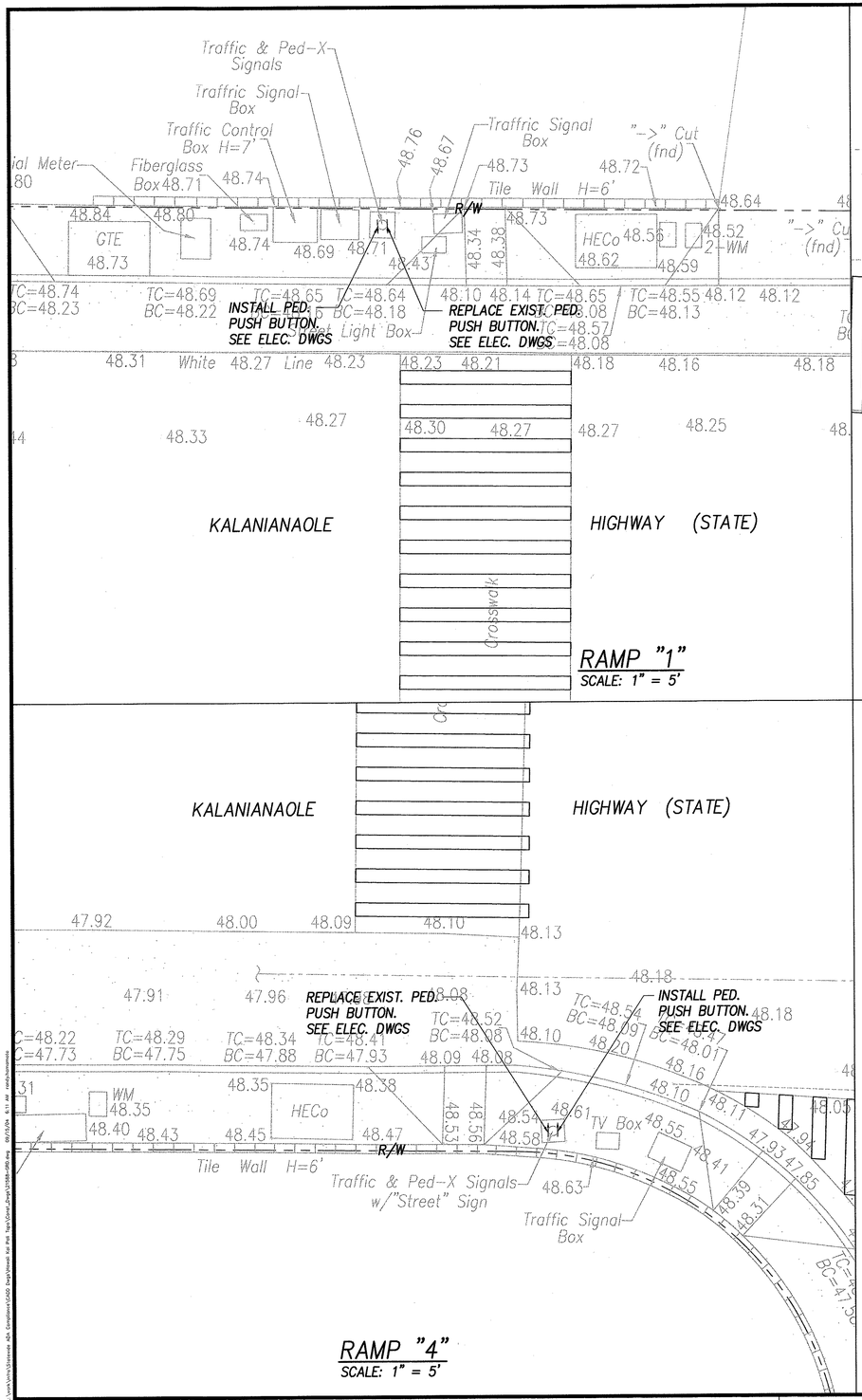
Scale: As Noted Date: August 2004

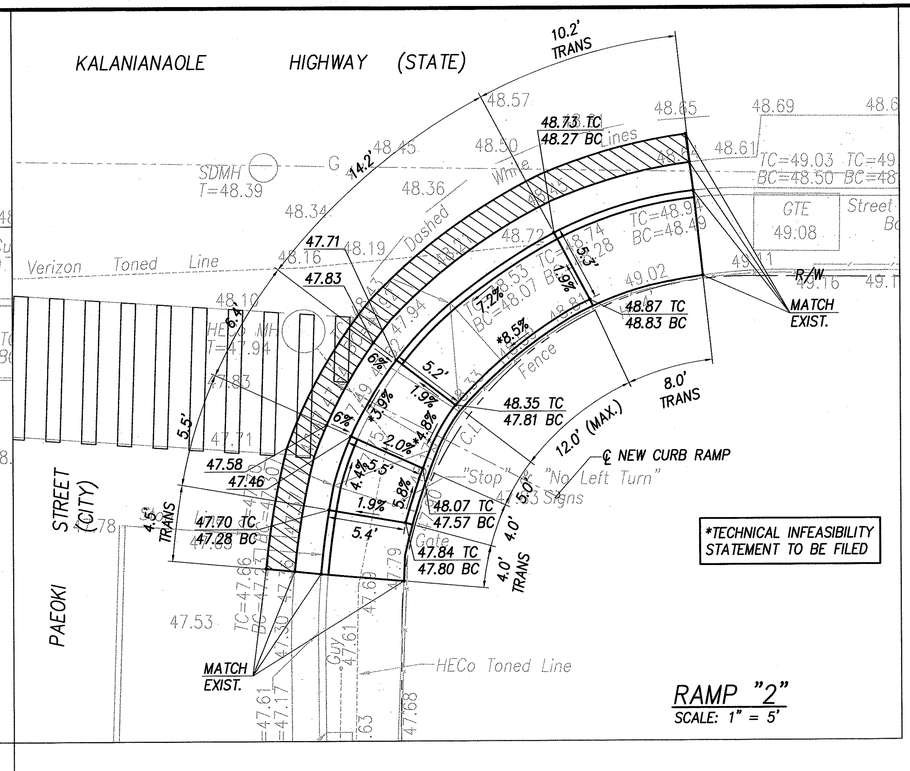
SHEET No. C-113 OF 139 SHEETS

SITE PLAN - KALANIANAOLE HWY & PAEOKI DRIVE
INTERS. ID NO. 21588
SCALE: 1" = 10'

114

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	115	180





GRADING PLAN – KALANIANAOLE HWY & PAEOKI DRIVE
INTERS. ID NO. 21588
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	NOTE BOOK	No.	DATE
SURVEY PLOTTED BY			
DRAWN BY			
TRACED BY			
DESIGNED BY			
QUANTITIES BY			
CHECKED BY			

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

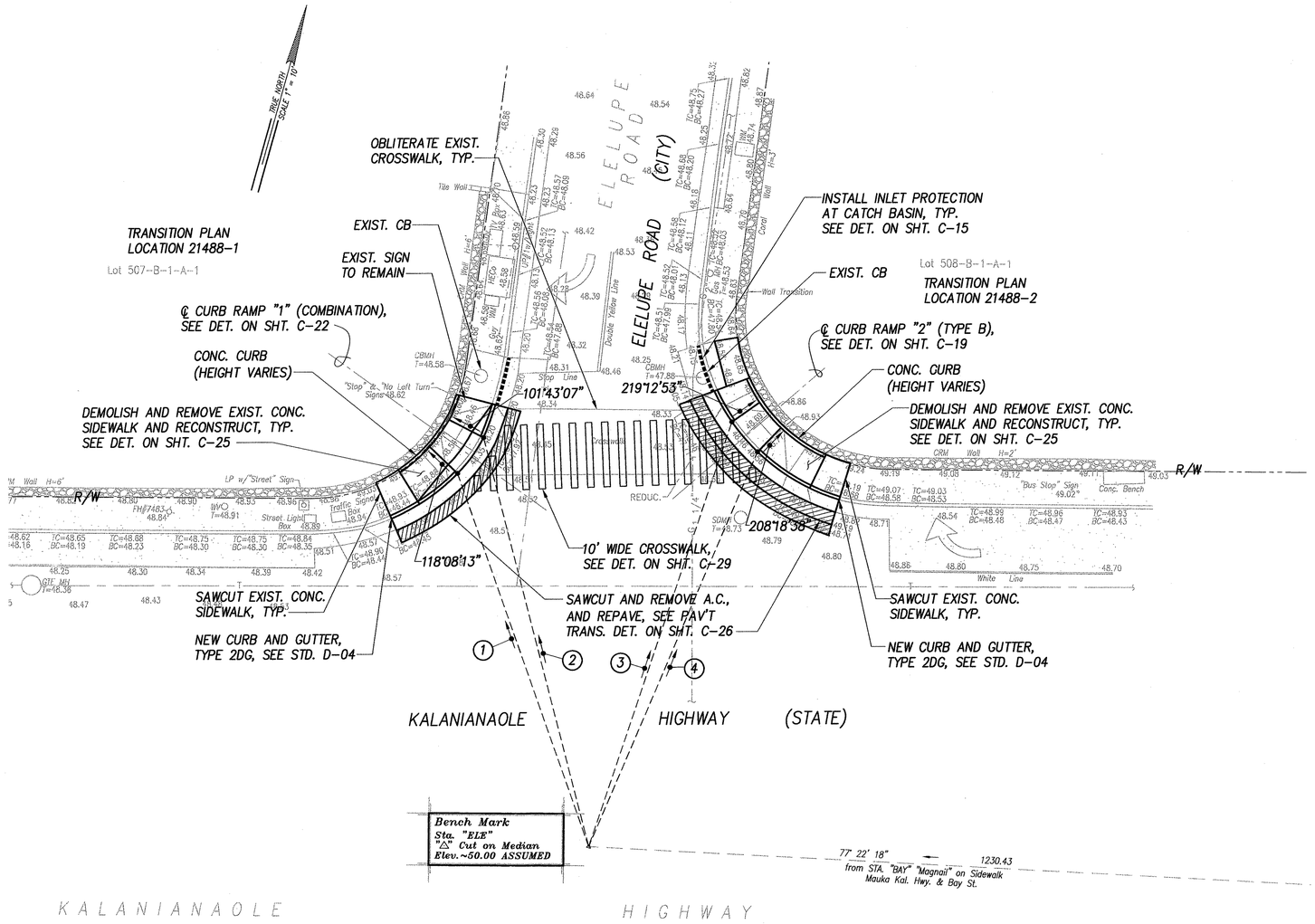
GRADING PLAN
KALANIANAOLE HWY & PAEOKI DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-114 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	116	180



1. 145°01'13" 61.16'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

2. 149°57'37" 65.29'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

3. 183°00'31" 69.21'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

4. 187°31'22" 66.30'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HIGHWAY AND ELELUPE ROAD
INTERS. ID NO. 21488
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN
KALANIANAOLE HWY AND ELELUPE RD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-115 OF 139 SHEETS

"AS-BUILT" 116

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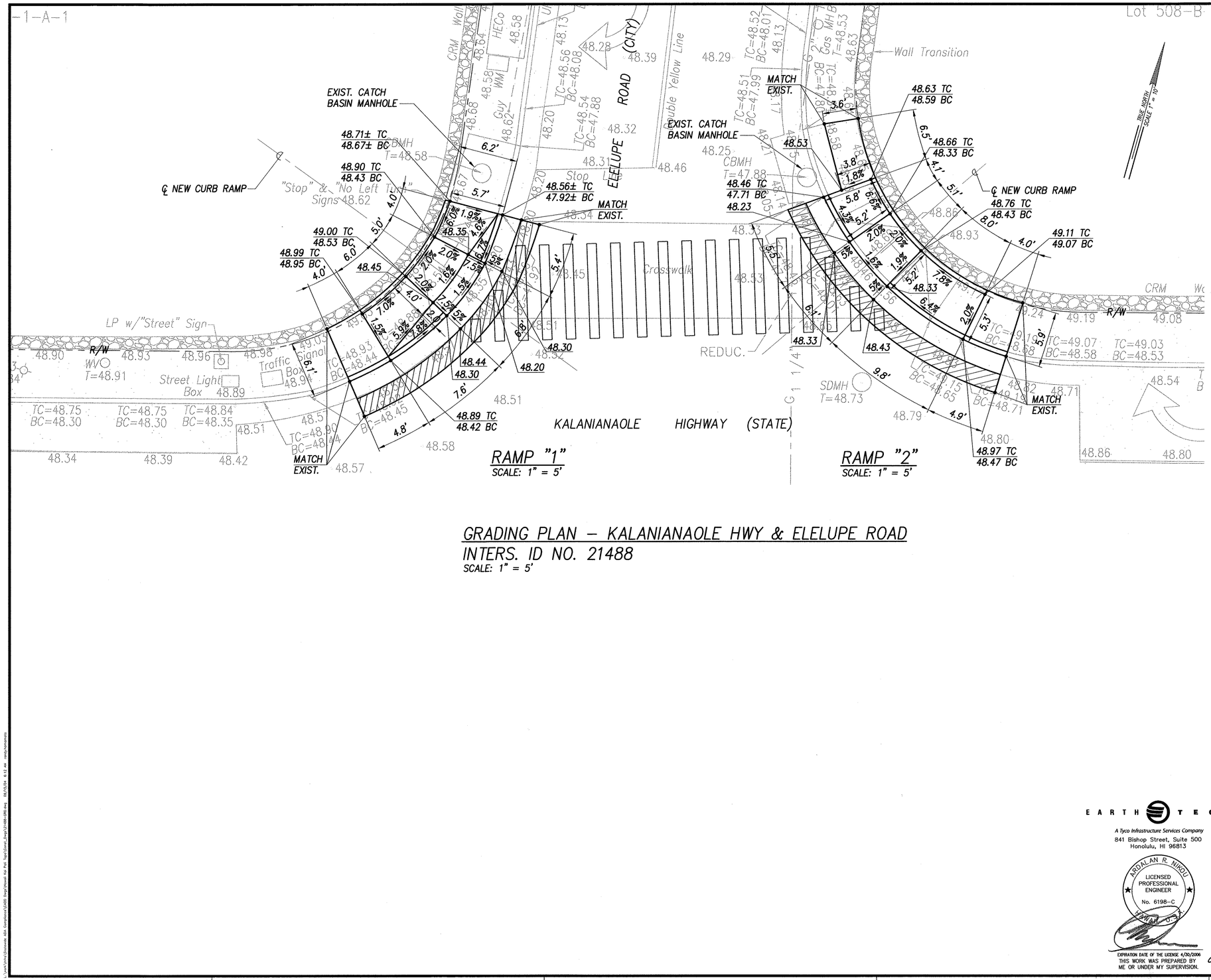
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	117	180



GRADING PLAN – KALANIANAOLE HWY & ELELUPE ROAD
INTERS. ID NO. 21488
SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
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841 Bishop Street, Suite 500
Honolulu, HI 96813

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

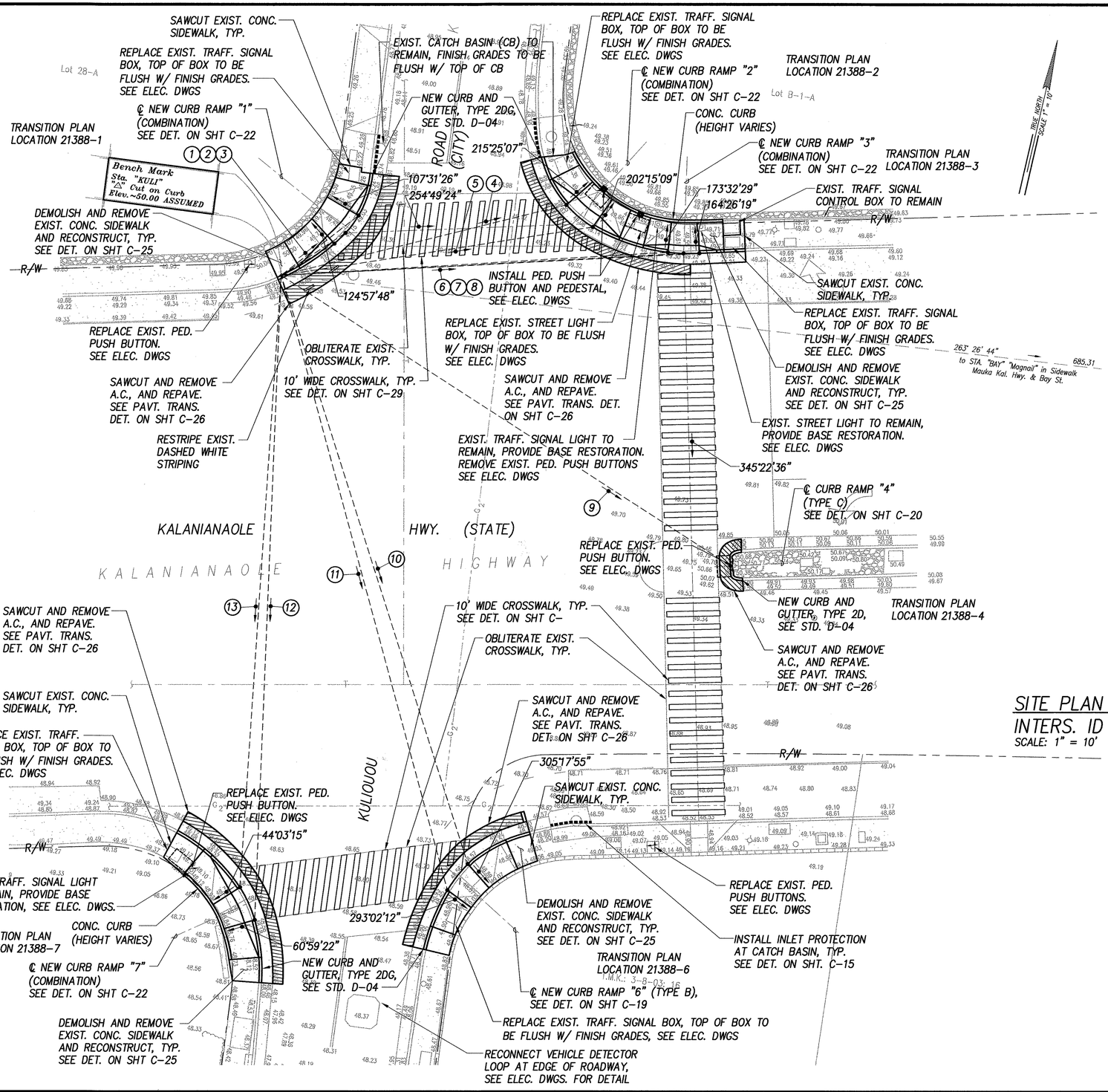
GRADING PLAN
KALANIANAOLE HWY & ELELUPE ROAD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-116 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	118	180



1. 219°09'07" 18.43'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

2. 223°26'12" 14.49'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

3. 226°03'28" 11.68'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

4. 243°04'00" 55.31'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

5. 248°07'42" 59.36'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

6. 253°31'36" 72.92'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

7. 253°49'29" 75.86'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

8. 253°55'28" 78.81'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

9. 289°51'56" 100.80'
TIE: BM TO INTERSECTION OF ℄ PEDESTAL AND CURB FACE

10. 329°19'02" 116.42'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

11. 331°46'35" 120.07'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

12. 349°13'40" 121.59'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

13. 350°43'56" 115.60'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & KULIOUOU ROAD
INTERS. ID NO. 21388
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN – KALANIANAOLE HWY & KULIOUOU ROAD

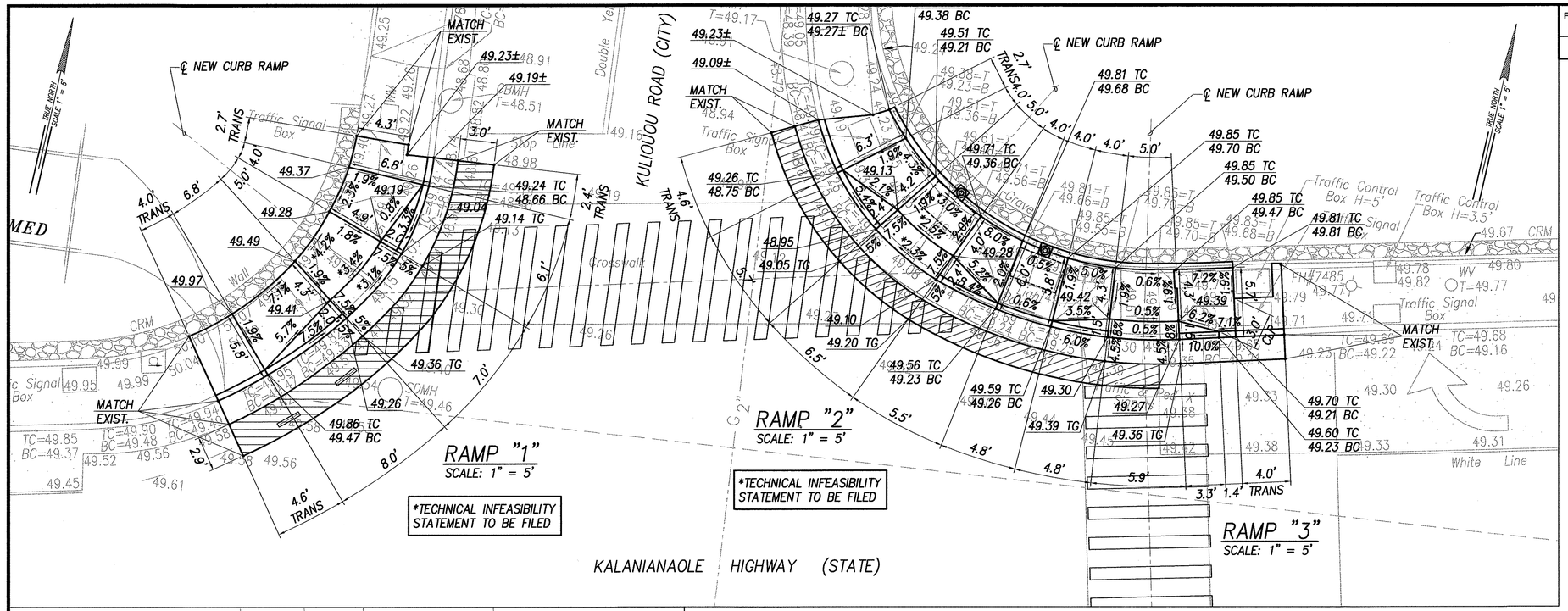
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

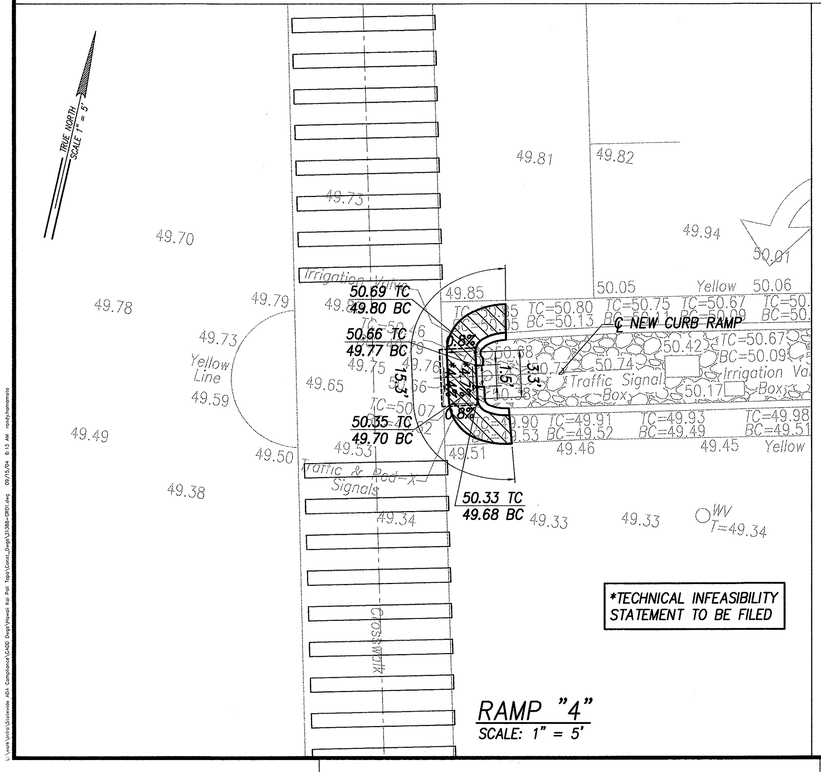
Scale: As Noted Date: August 2004

T.M.K.: 3-8-03: 16

SHEET No. C-117 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	119	180





ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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GRADING PLAN – KALANIANAOLE HWY & KULIOUOU ROAD
INTERS. ID NO. 21388
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC	FINISHED TOP OF CURB
50.00 BC	FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 10' — 10' 5' 0 10' 20'

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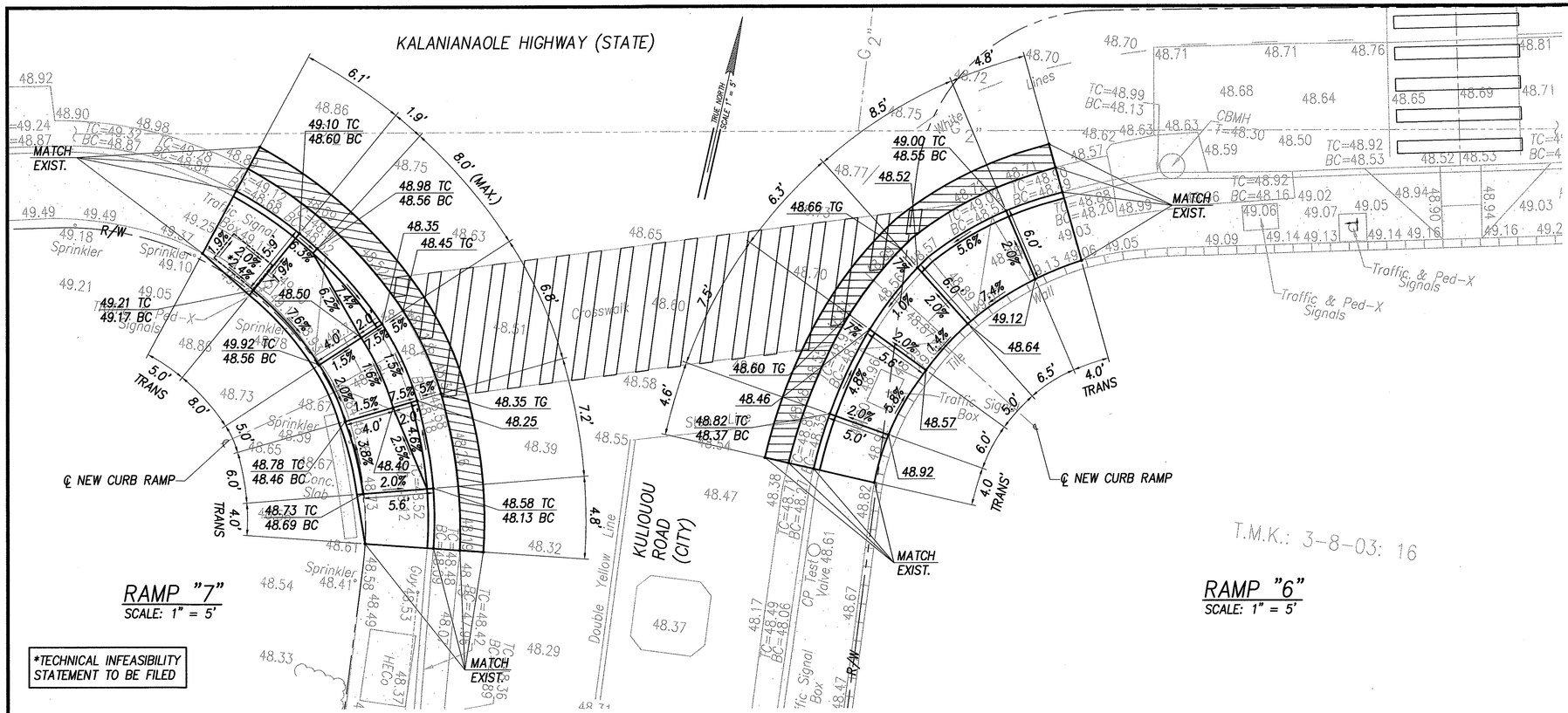
GRADING PLAN – KALANIANAOLE HWY & KULIOUOU ROAD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-118 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	ADD.120	180



GRADING PLAN – KALANIANAOLE HWY & KULIOUOU ROAD
INTERS. ID NO. 21388
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC 50.00 BC	FINISHED TOP OF CURB FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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EXPIRATION DATE OF THE LICENSE 4/30/2006
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DATE	REVISION
9/22/04	Rev elevs & slopes, right ramp, Ramp 7

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & KULIOUOU ROAD

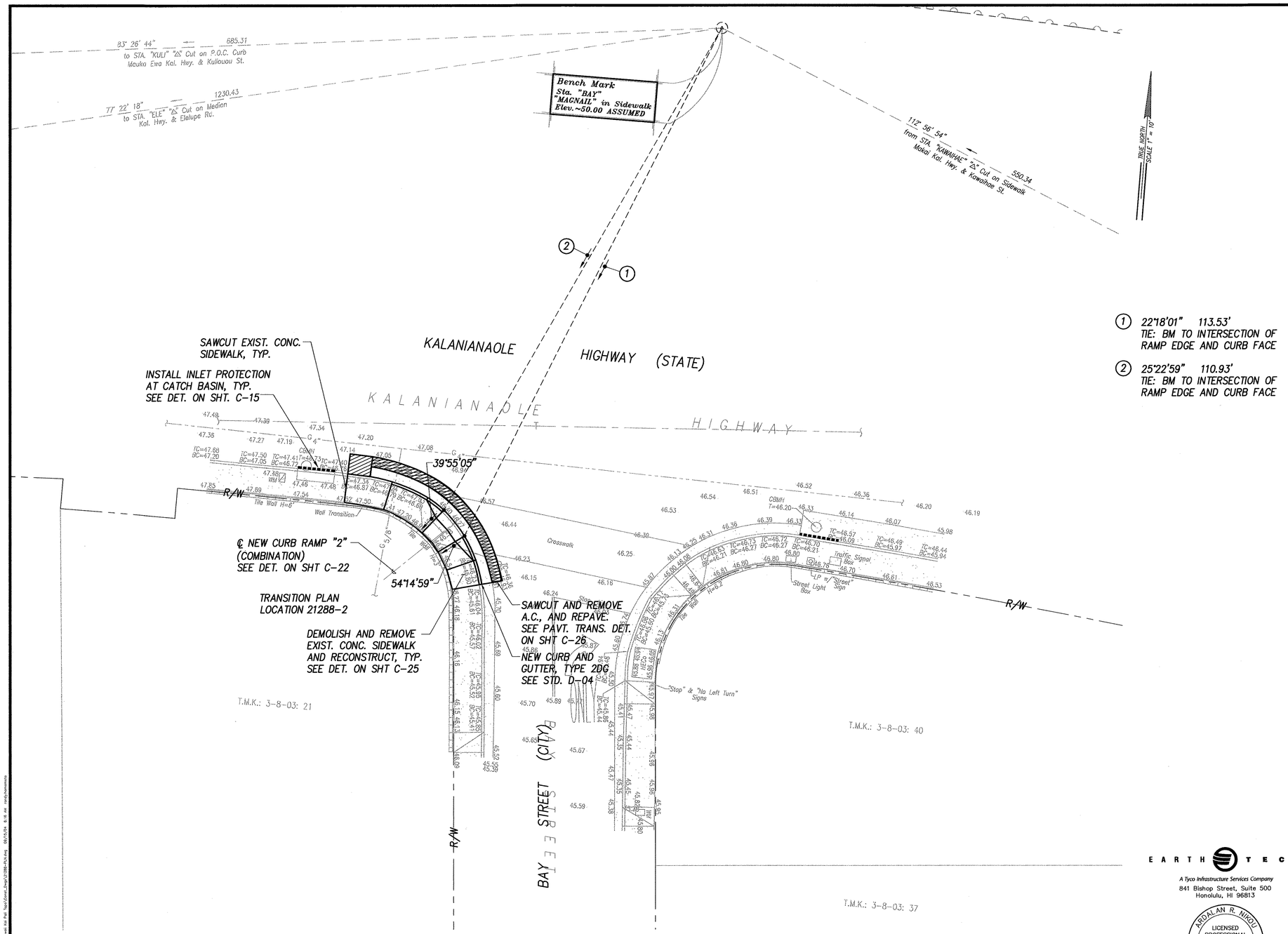
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-119 OF 139 SHEETS

ADD.120

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	121	180



(1) 22°18'01" 113.53'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 25°22'59" 110.93'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & BAY STREET
INTERS. ID NO. 21288
SCALE: 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
No.	QUANTITIES BY	"
	CHECKED BY	"

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIROU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.
EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

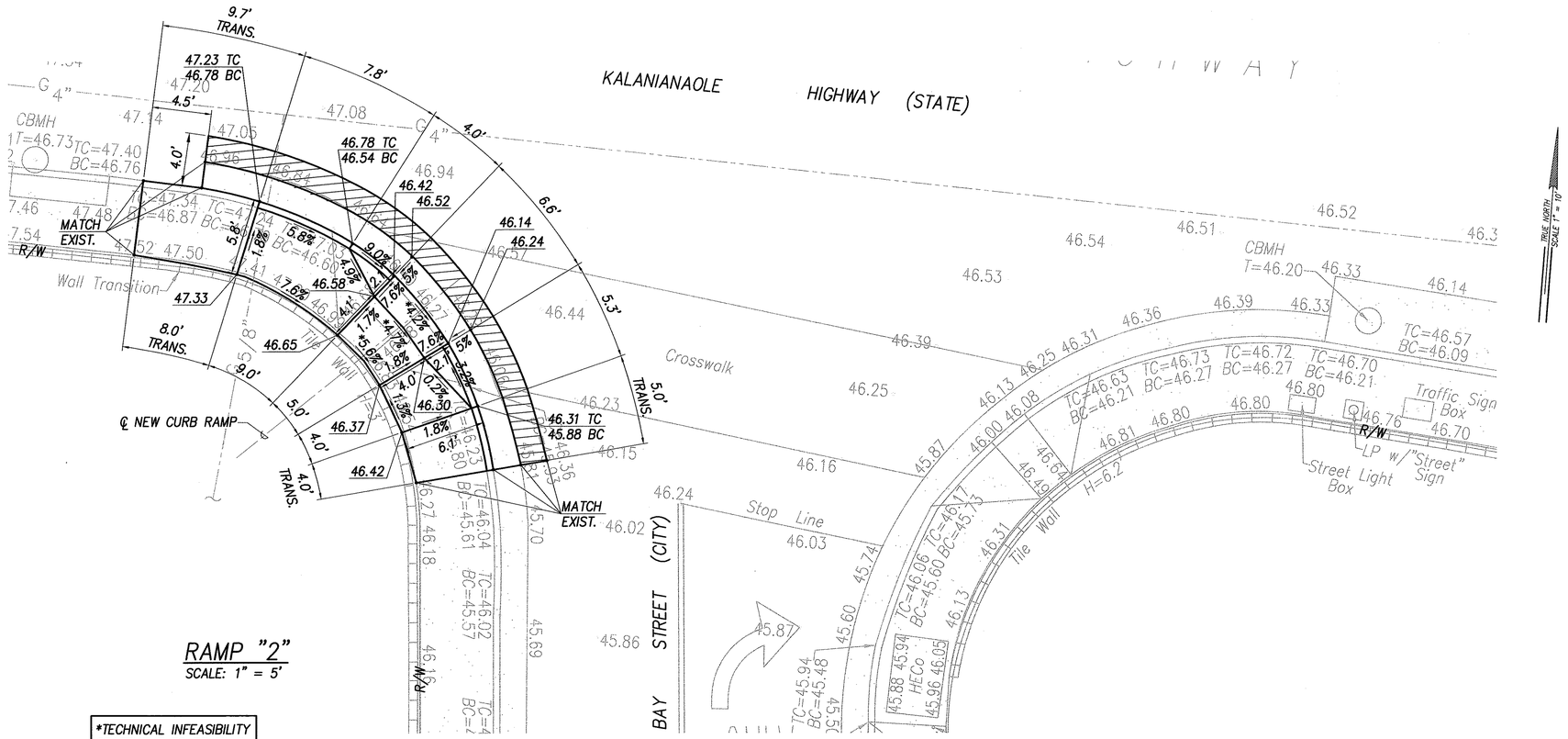
SITE PLAN
KALANIANAOLE HWY & BAY STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-120 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	122	180



RAMP "2"
SCALE: 1" = 5'

*TECHNICAL INFEASIBILITY STATEMENT TO BE FILED

GRADING PLAN – KALANIANAOLE HWY & BAY STREET
INTERS. ID NO. 21288
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	
NOTE BOOK	
No.	

SURVEY PLOTTED BY _____ DATE
DRAWN BY : : : : :
TRACED BY : : : : :
DESIGNED BY : : : : :
QUANTITIES BY : : : : :
CHECKED BY : : : : :

EARTH TECH
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Honolulu, HI 96813

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STATE OF HAWAII
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HIGHWAYS DIVISION

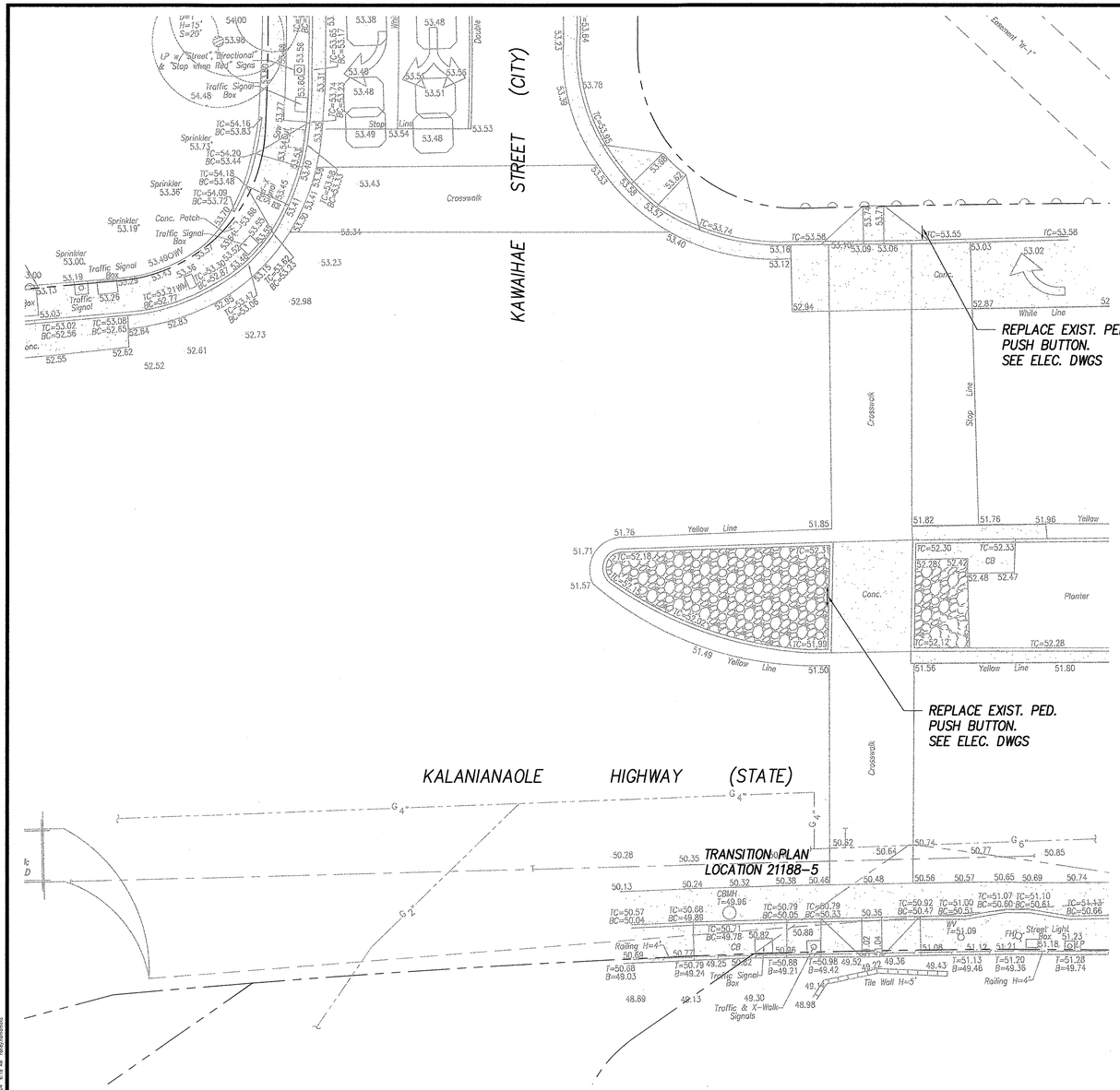
GRADING PLAN
KALANIANAOLE HWY & BAY STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

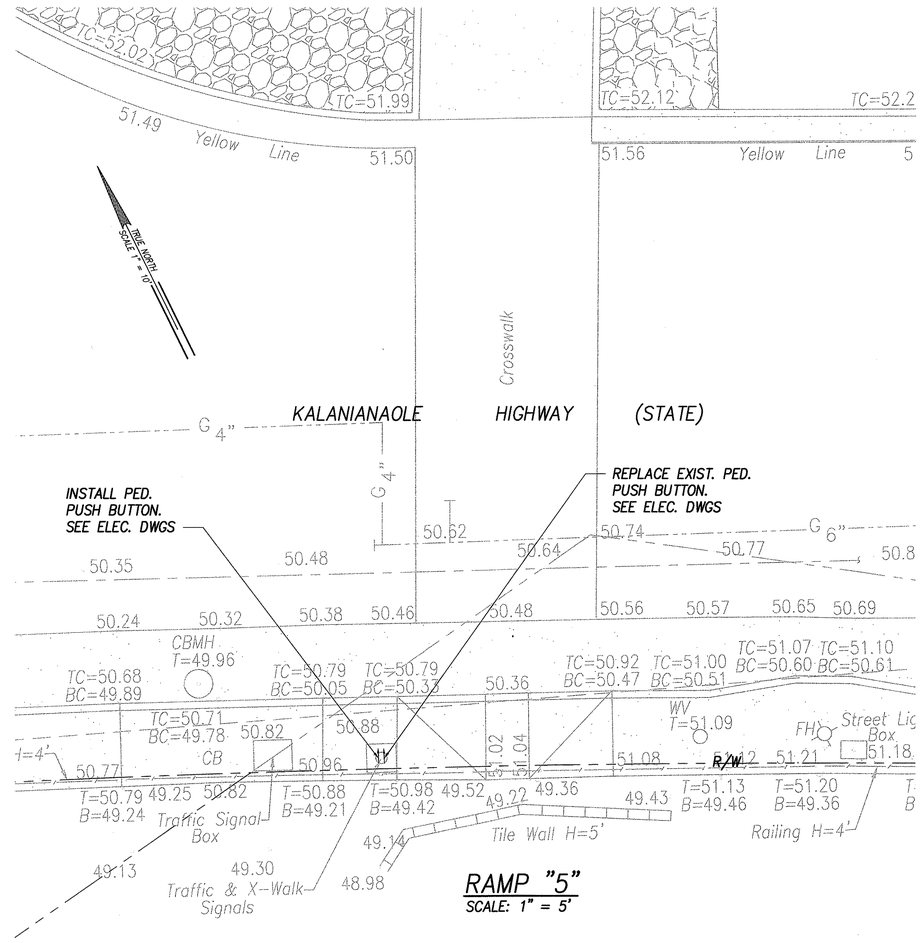
Scale: As Noted Date: August 2004

SHEET No. C-121 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	123	180



SITE PLAN – KALANIANAOLE HWY & KAWAIHAE STREET
INTERS. ID NO. 21188
SCALE: 1" = 10'



RAMP "5"
SCALE: 1" = 5'

GRADING PLAN – KALANIANAOLE HWY & KAWAIHAE STREET
INTERS. ID NO. 21188
SCALE: 1" = 5'

GRAPHIC SCALES

1" = 10' 10' 5' 0 10' 20'

1" = 5' 5' 0 5' 10'

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EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE & GRADING PLAN
KALANIANAOLE HWY & KAWAIHAE STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-122 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	124	180

Bench Mark
Sta. "HK"
"+" Cut on Sidewalk
Elev.=50.00 ASSUMED

℄ CURB RAMP "1" (COMBINATION), SEE DET. ON SHT. C-22

TRANSITION PLAN LOCATION 21088-1

INSTALL PED. PUSH BUTTON AND PEDESTAL. SEE ELEC. DWGS

CONC. CURB (HEIGHT VARIES)

R/W

173°19'37"

167°44'56"

SAWCUT EXIST. CONC. SIDEWALK, TYP.

EXIST. TRAF. & PEDESTRIAN SIGNALS TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

REPLACE EXIST. TSB, TOP OF EXIST. BOX TO BE FLUSH WITH FINISH GRADES. SEE ELEC. DWGS

10' WIDE CROSSWALK, SEE DET. ON SHT. C-29

OBLITERATE EXIST. CROSSWALK, TYP.

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

TRANSITION PLAN LOCATION 21088-2

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

REPLACE EXIST. TSB, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 21088-3

216°06'03"

350° 17' 42"

231.98

177.59

63° 49' 13" BACKSIGHT TO "HAWAII-A" ▲ CUT

KALANIANAOLE HIGHWAY (STATE)

HAWAII KAI DRIVE (CITY)

EXIST. TRAF. & PEDESTRIAN SIGNALS TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

℄ CURB RAMP "2" (TYPE A), SEE DET. ON SHT. C-18

251°55'21"

231°28'10"

℄ CURB RAMP "3" (TYPE A), SEE DET. ON SHT. C-18

EXIST. TRAF. & PEDESTRIAN SIGNALS TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

R/W

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

EXIST. HECo MH TO REMAIN, FINISH GRADES TO BE FLUSH W/ TOP OF EXIST. BOX

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

10' WIDE CROSSWALK, SEE DET. ON SHT. C-29

OBLITERATE EXIST. CROSSWALK, TYP.

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

35°51'50"

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

R/W

TRANSITION PLAN LOCATION 21088-5

INSTALL PED. PUSH BUTTON. SEE ELEC. DWGS

℄ CURB RAMP "6" (TYPE B), SEE DET. ON SHT. C-19

CONC. CURB (HEIGHT VARIES)

TRANSITION PLAN LOCATION 21088-6

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

EXIST. TRAF. & PEDESTRIAN SIGNALS TO REMAIN, PROVIDE BASE RESTORATION., SEE ELEC. DWGS

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

REPLACE EXIST. TRAFF. SIGNAL BOX, TOP OF BOX TO BE FLUSH WITH FINISH GRADES, SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

INSTALL INLET PROTECTION AT CATCH BASIN, TYP. SEE DET. ON SHT. C-15

RECONNECT VEHICLE DETECTOR LOOP AT EDGE OF ROADWAY, SEE ELEC. DWGS. FOR DETAIL

88°09'34"

℄ CURB RAMP "7" (TYPE B), SEE DET. ON SHT. C-19

349°10'09"

CONC. CURB (HEIGHT VARIES)

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

88°09'34"

TRANSITION PLAN LOCATION 21088-7

10' WIDE CROSSWALK, SEE DET. ON SHT. C-29

OBLITERATE EXIST. CROSSWALK, TYP.

338°17'24"

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

EXIST. TRAF. & PEDESTRIAN SIGNALS TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

(1) 325°23'22" 95.05'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(2) 326°59'54" 117.70'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(3) 347°16'45" 145.86'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK

(4) 351°47'04" 157.49'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK

(5) 15°04'59" 173.85'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(6) 16°45'55" 177.05'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(7) 33°25'55" 166.15'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(8) 34°51'09" 161.48'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(9) 53°27'44" 27.26'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(10) 58°00'10" 32.38'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

TRUE NORTH SCALE 1" = 10'

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN - KALANIANAOLE HWY & HAWAII KAI DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

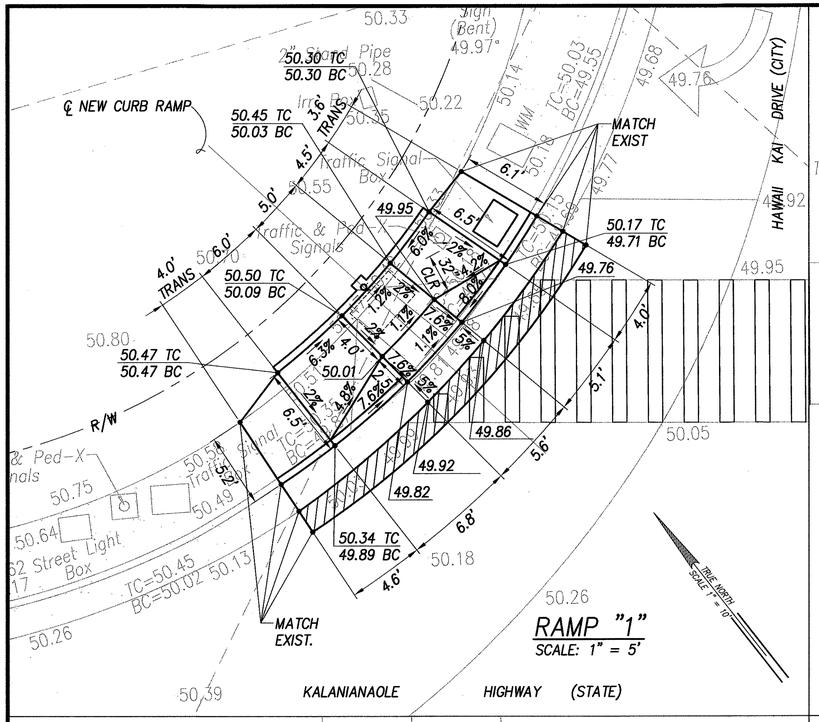
Scale: As Noted Date: August 2004

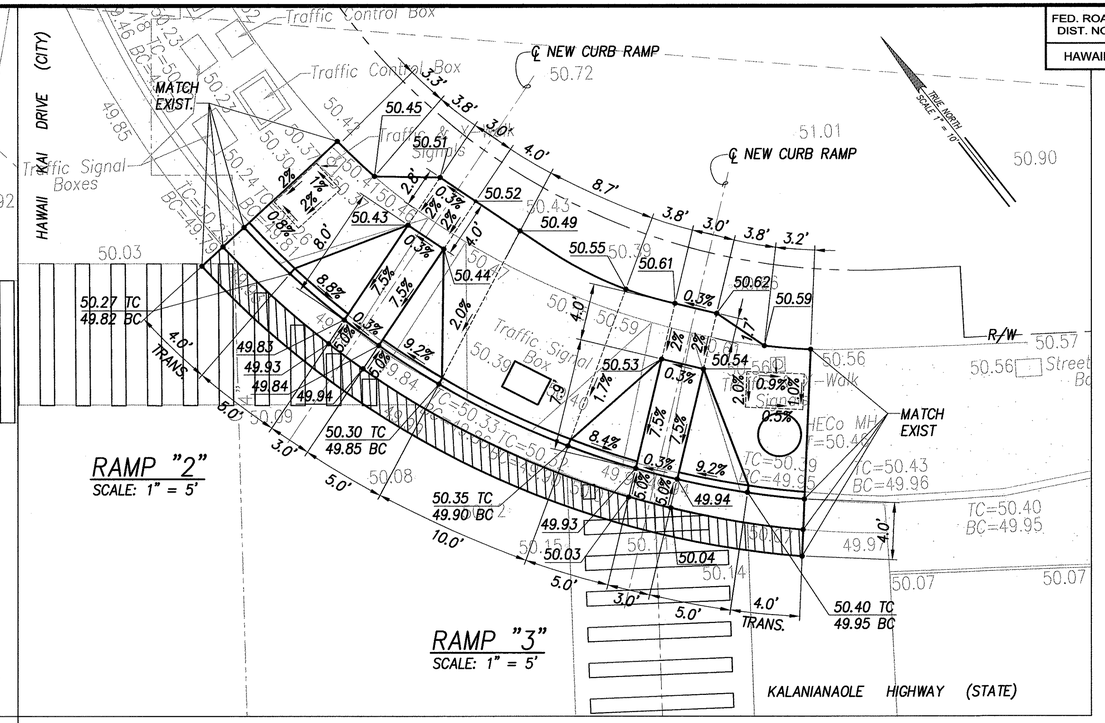
SHEET No. C-123 OF 139 SHEETS

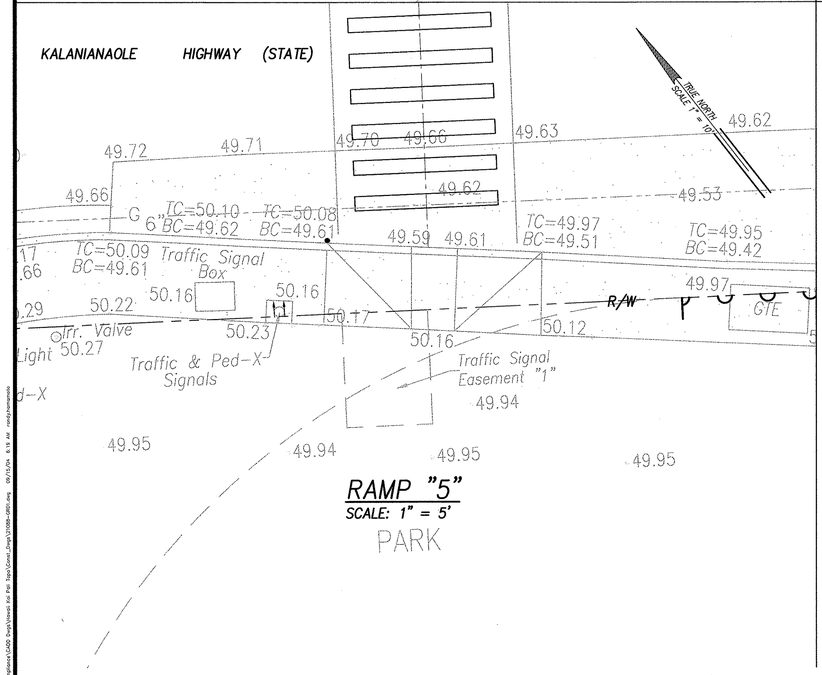
SITE PLAN - KALANIANAOLE HWY & HAWAII KAI DRIVE

INTERS. ID NO. 21088
SCALE: 1" = 10'

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	125	180







LEGEND

∘ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

ORIGINAL PLANS	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

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GRADING PLAN – KALANIANAOLE HWY & HAWAII KAI DRIVE
INTERS. ID NO. 21088
SCALE: 1" = 10'

EARTH TECH
A Tyco Infrastructure Services Company
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Honolulu, HI 96813

ARJALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198–C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

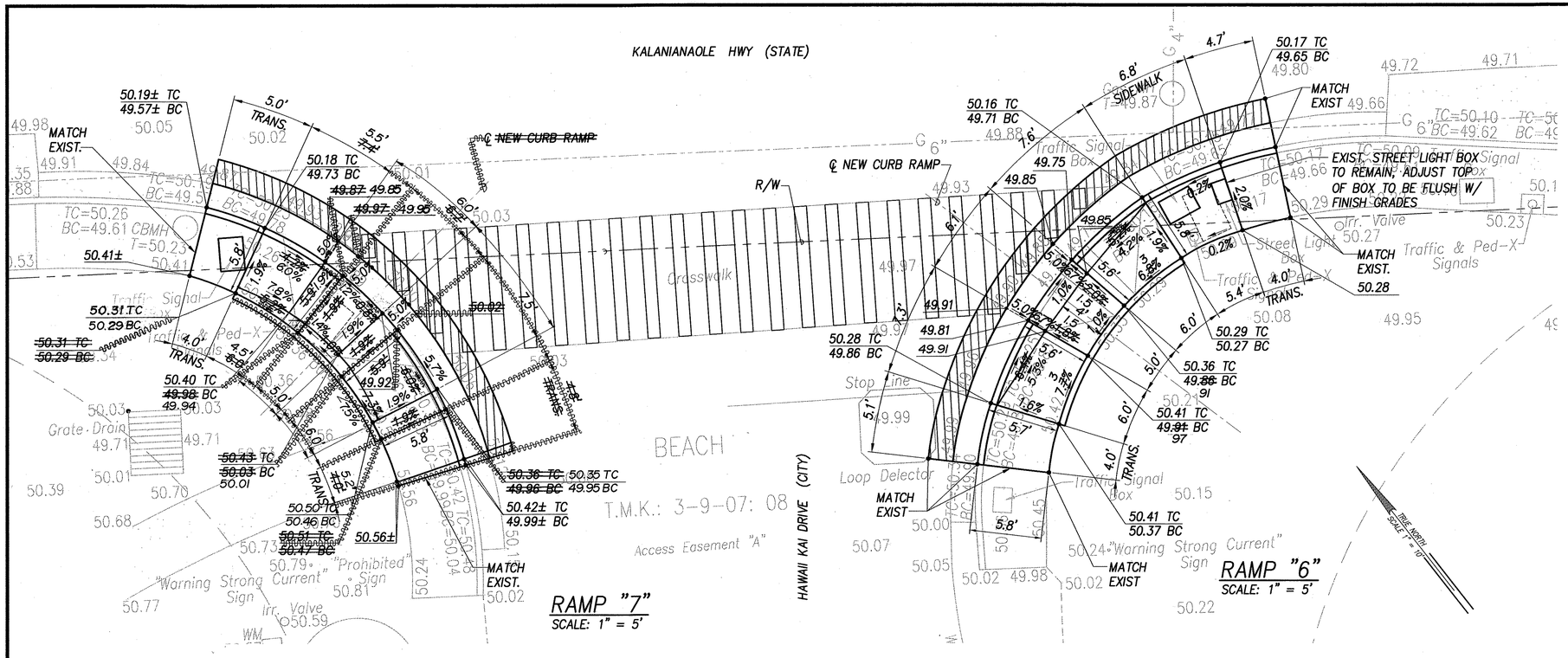
GRADING PLAN – KALANIANAOLE HWY & HAWAII KAI DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-124 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	126	180



GRADING PLAN – KALANIANAOLE HWY & HAWAII KAI DRIVE
INTERS. ID NO. 21088
SCALE: 1" = 10'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

L:\projects\Statewide ADA Compliance\CAD\C Sheet\Hawaii Kai Ave Traffic Signal_Ramp7.dgn 10/7/2004 8:19 am mwatanabe

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & HAWAII KAI DRIVE

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-125 OF 139 SHEETS

"AS-BUILT" 126

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	127	180

TRANSITION PLAN LOCATION 20988-1

EXIST. TRAFF. & PED-X SIGNAL AND LIGHT POST TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

KEAHOLE STREET (CITY)

SAWCUT EXIST. CONC. SIDEWALK, TYP.

INSTALL INLET PROTECTION AT CATCH BASIN, TYP., SEE DET. ON SHT. C-15

℄ CURB RAMP "3" (TYPE B), SEE DET. ON SHT. C-19

℄ CURB RAMP "2" (TYPE B), SEE DET. ON SHT. C-19

EXIST. TRAFF. & PED-X SIGNAL TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

EXIST. TRAFFIC SIGNAL TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

℄ CURB RAMP "1" (COMBINATION), SEE DET. ON SHT. C-22

165°01'23"

169°47'25"

266°47'03"

257°10'08"

REPLACE EXIST. TRAFFIC CONTROL BOX, ~~TO REMAIN, ADJUST~~ TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

CONC. CURB (HEIGHT VARIES)

303°39'39"

OBLITERATE EXIST. CROSSWALK, TYP.

TRANSITION PLAN LOCATION 20988-2

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 20988-3

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

10' WIDE CROSSWALK (TYP), SEE DET. ON SHT. C-

226°02'31"

CONC. CURB (HEIGHT VARIES)

216°03'33"

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

TRAFFIC SIGNAL

REPLACE EXIST. ~~STREET LIGHT~~ BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES, SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

SAWCUT AND REMOVE A.C. AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

OBLITERATE EXIST. CROSSWALK, TYP.

10' WIDE CROSSWALK (TYP), SEE DET. ON SHT. C-

KALANIANAOLE HIGHWAY (STATE)

EXIST. TRAF. LIGHT TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

REPLACE EXIST. TRAFFIC SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

132° 35' 1135.24 to STA. "HK" "+" Cut on Sidewalk Mauka/Ewa Corner Kal. Hwy. & Hawaii Kai Dr.

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

EXIST. LIGHT POST TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

EXIST. TRAFFIC CONTROL BOX TO REMAIN, ADJUST TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

DEMOLISH AND REMOVE EXIST. CONC. SIDEWALK AND RECONSTRUCT, TYP. SEE DET. ON SHT. C-25

NEW CURB AND GUTTER, TYPE 2DG, SEE STD. D-04

SAWCUT AND REMOVE A.C., AND REPAVE, SEE PAV'T TRANS. DET. ON SHT. C-26

342°53'00"

REPLACE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

SAWCUT EXIST. CONC. SIDEWALK, TYP.

CONC. CURB (HEIGHT VARIES)

75°11'30"

EXIST. TRAFF. & PED-X SIGNAL POST TO REMAIN, PROVIDE BASE RESTORATION. SEE ELEC. DWGS

25°20'47"

17°28'13"

INSTALL PED. PUSH BUTTON AND PEDESTAL, SEE ELEC. DWGS

INSTALL PED. PUSH BUTTON AND PEDESTAL. SEE ELEC. DWGS

CONC. CURB (HEIGHT VARIES)

TRANSITION PLAN LOCATION 20988-5

℄ CURB RAMP "5" (TYPE B), SEE DET. ON SHT. C-19

336°26'59"

81°24'45"

℄ CURB RAMP "7" (COMBINATION), SEE DET. ON SHT. C-22

OBLITERATE EXIST. CROSSWALK, TYP.

10' WIDE CROSSWALK (TYP), SEE DET. ON SHT. C-29

TRANSITION PLAN LOCATION 20988-6

℄ CURB RAMP "6" (TYPE B), SEE DET. ON SHT. C-19

REPLACE EXIST. TRAFFIC SIGNAL BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

EXIST. TRAFF. & PED-X SIGNAL TO REMAIN, PROVIDE BASE RESTORATION. REMOVE EXIST. PED. PUSH BUTTON. SEE ELEC. DWGS

TRANSITION PLAN LOCATION 20988-7

SAWCUT EXIST. CONC. SIDEWALK, TYP.

SAWCUT EXIST. CONC. SIDEWALK, TYP.

REPLACE EXIST. STREET LIGHT BOX, TOP OF BOX TO BE FLUSH W/ FINISH GRADES. SEE ELEC. DWGS

KEAHOLE STREET (CITY)

TRUE NORTH SCALE 1" = 10'

(1) 110°31'25" 107.69'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(2) 112°32'48" 103.46'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 116°08'35" 175.12'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 117°34'56" 178.70'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(5) 120°58'24" 76.65'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(6) 121°44'32" 70.92'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(7) 149°19'19" 204.97'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(8) 150°07'37" 203.90'
TIE: BM TO INTERSECTION OF ℄ CROSSWALK AND CURB FACE

(9) 150°47'39" 203.19'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(10) 164°56'05" 135.50'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(11) 165°14'48" 141.61'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(12) 167°00'50" 117.23'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(13) 168°50'01" 112.37'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

BENCHMARK
"KEA", "△" CUT
ON SIDEWALK
ELEV.=50.00 (ASSUMED)

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

SITE PLAN – KALANIANAOLE HWY & KEAHOLE STREET
INTERS. ID NO. 20988
SCALE: 1" = 10'

EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ABDALLAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE PLAN – KALANIANAOLE HWY & KEAHOLE STREET

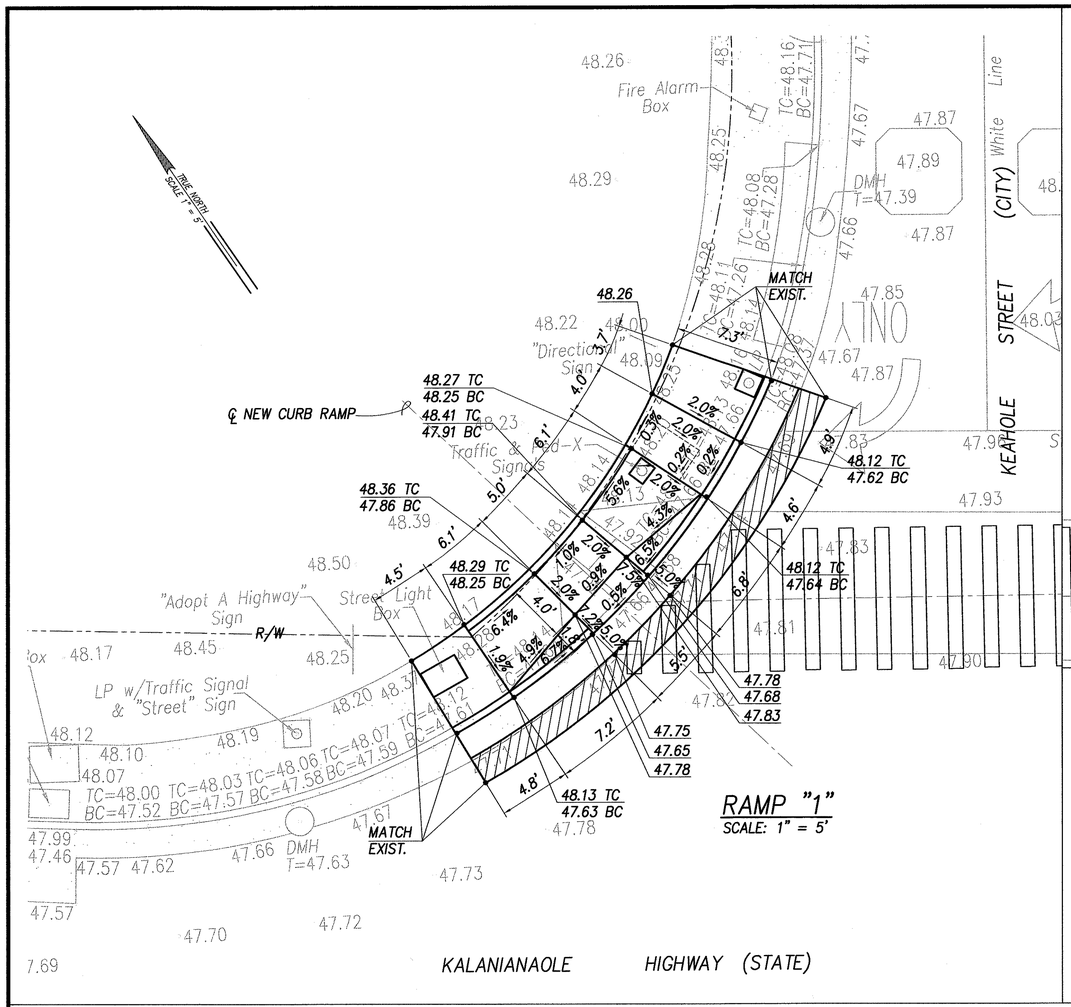
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

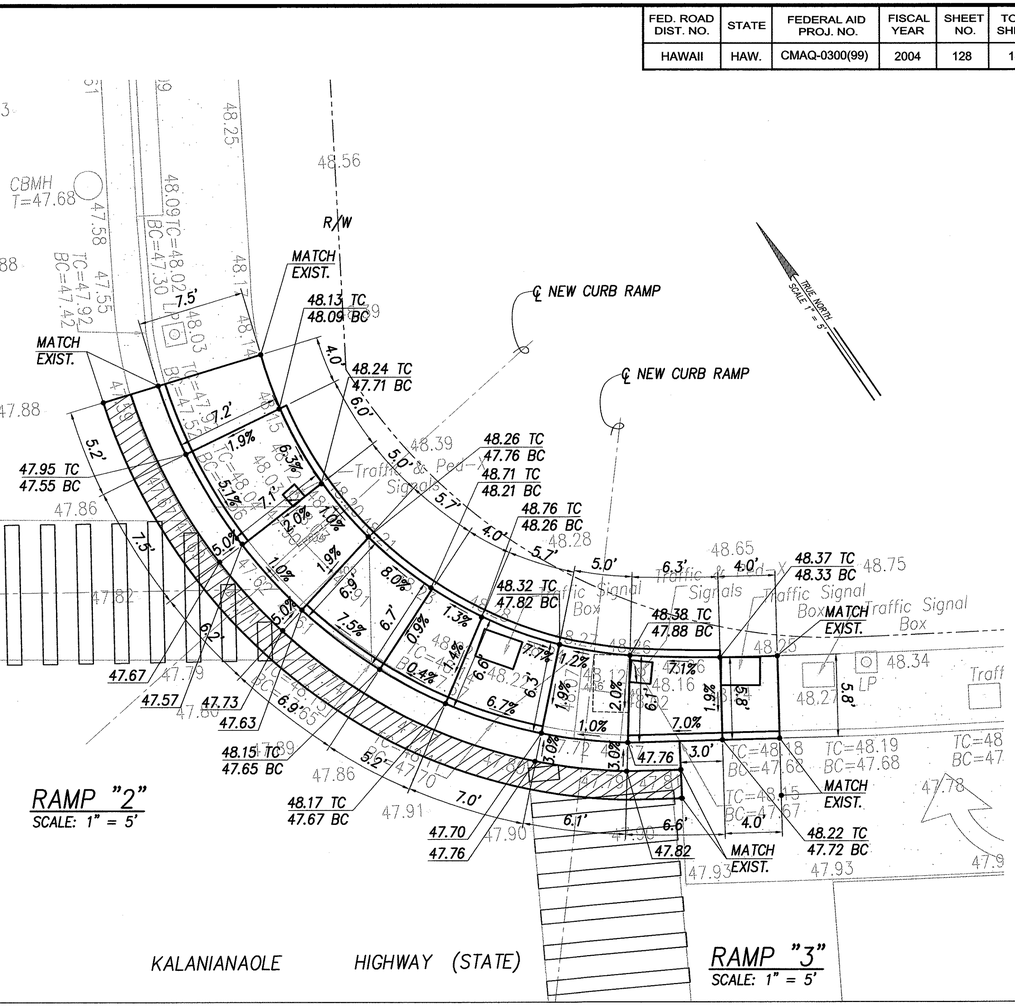
Scale: As Noted Date: August 2004

SHEET No. C-126 OF 139 SHEETS

"AS-BUILT" 127

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	128	180





GRADING PLAN – KALANIANAOLE HWY & KEAHOLE STREET
INTERS. ID NO. 20988
SCALE: 1" = 5'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

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ARDALAN R. NIKOU
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & KEAHOLE STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-127 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	TRACED BY	
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	QUANTITIES BY	
	CHECKED BY	

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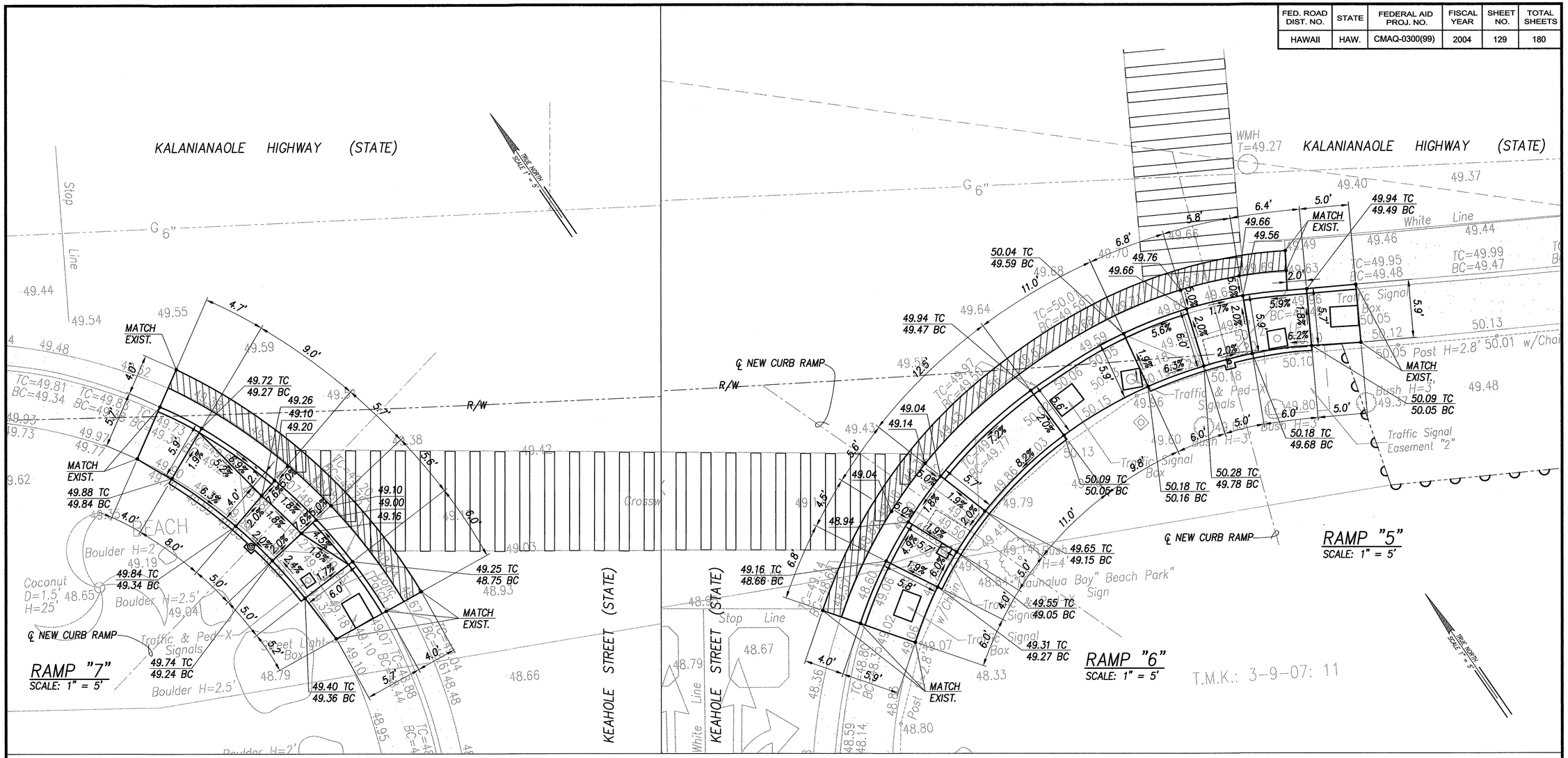
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	129	180



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GRADING PLAN – KALANIANAOLE HWY & KEAHOLE STREET

INTERS. ID NO. 20988

SCALE: 1" = 5'

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

EARTH TECH

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ARDALAN R. NIKOU LICENSED PROFESSIONAL ENGINEER No. 6198-C HAWAII, U.S.A.

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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GRADING PLAN – KALANIANAOLE HWY & KEAHOLE STREET

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8

Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-128 OF 139 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	130	180

(1) 95°50'06" 34.42'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(2) 116°15'29" 118.86'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 118°25'48" 121.54'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(4) 148°08'01" 129.60'
TIE: BM TO INTERSECTION OF ℄ PEDESTAL

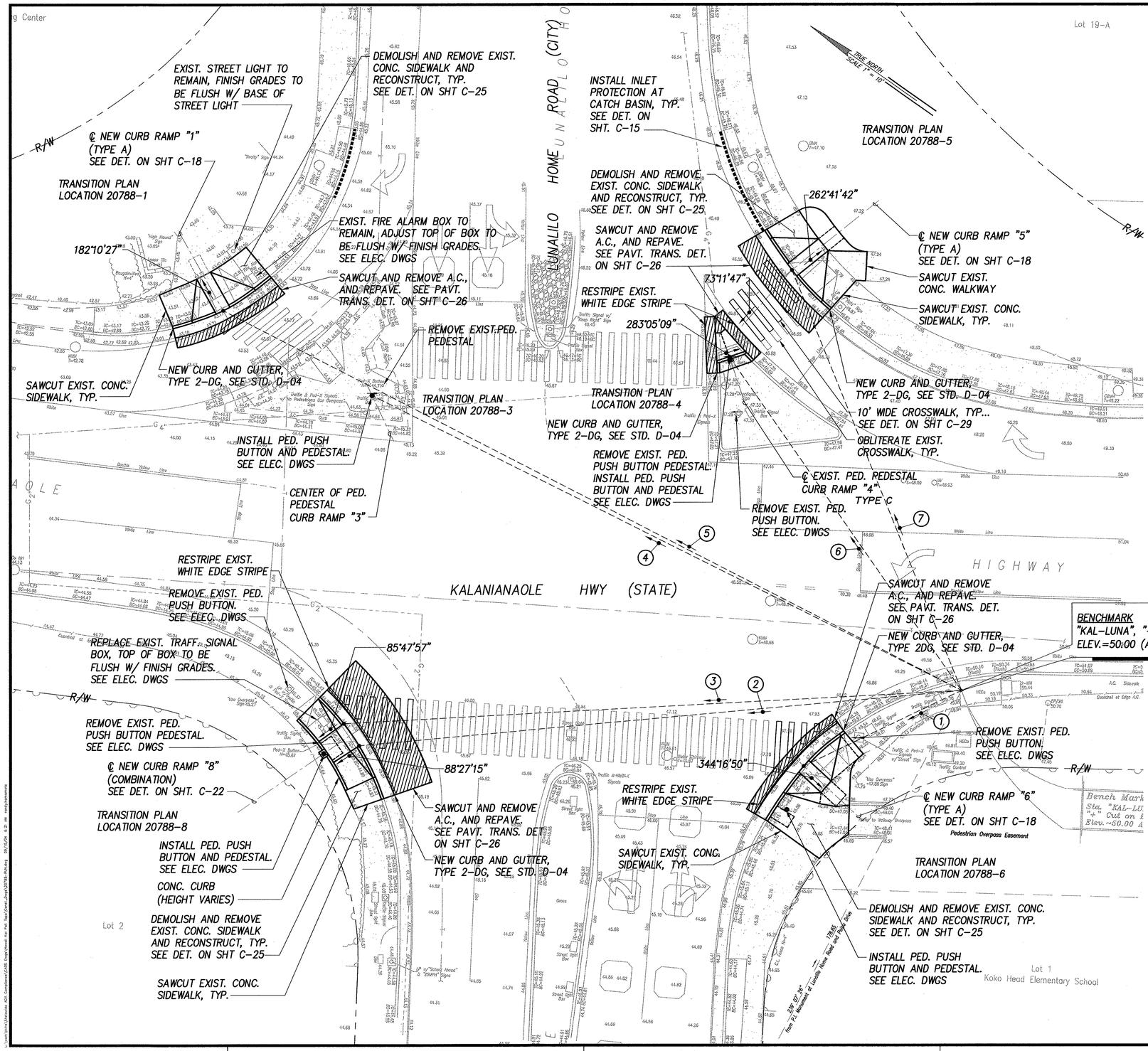
(5) 148°46'42" 163.25'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

(6) 176°42'59" 80.02'
TIE: BM TO INTERSECTION OF ℄ PEDESTAL AND CURB FACE

(7) 189°33'23" 89.25'
TIE: BM TO INTERSECTION OF ℄ RAMP AND CURB FACE

SITE PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD INTERS. ID NO. 20788

SCALE: 1" = 10'



GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	" " "
NOTE BOOK	TRACED BY	" " "
	DESIGNED BY	" " "
No.	QUANTITIES BY	" " "
	CHECKED BY	" " "

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HIGHWAYS DIVISION

SITE PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD

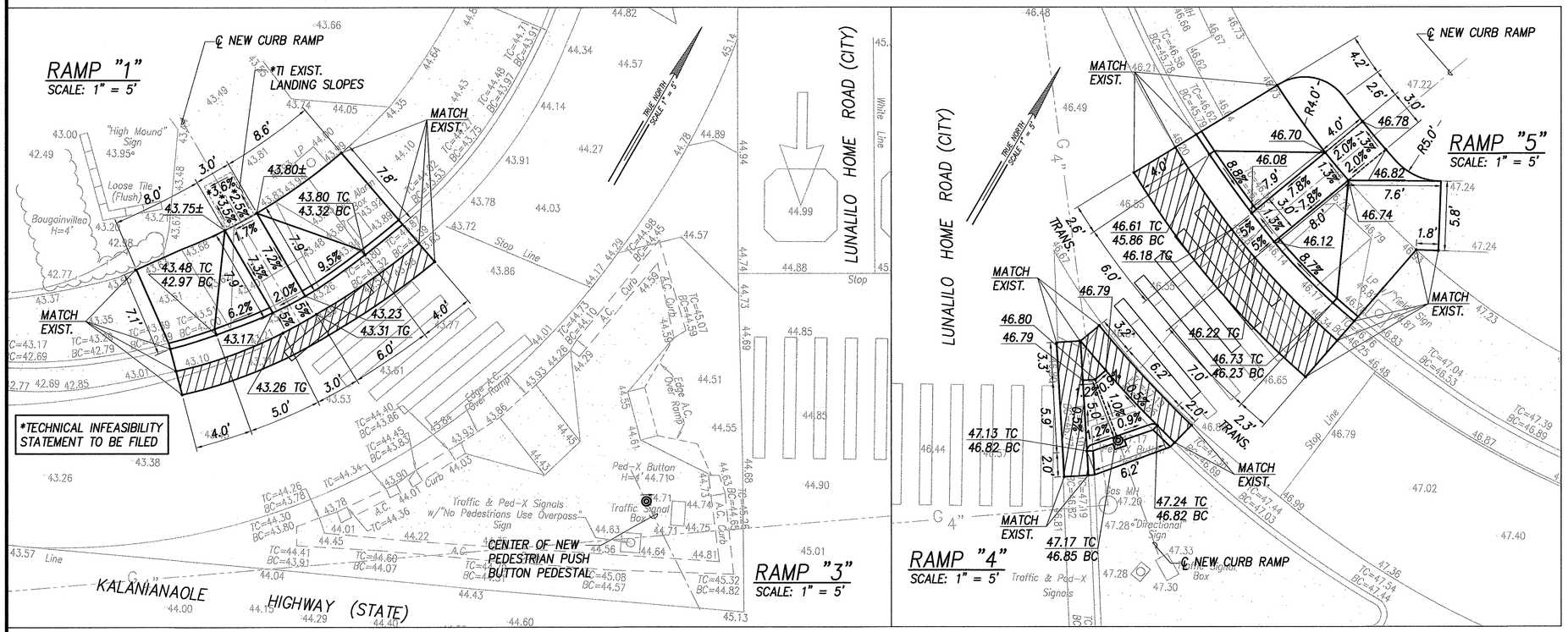
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-129 OF 139 SHEETS

"AS-BUILT" 130

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	131	180



GRADING PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD

INTERS. ID NO. 20788

SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES

1" = 5' — 5' 0 5' 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
NOTE BOOK	TRACED BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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EARTH TECH
A Tyco Infrastructure Services Company
841 Bishop Street, Suite 500
Honolulu, HI 96813

ARDALAN R. NIKOU
LICENSED PROFESSIONAL ENGINEER
No. 6198-C
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2006
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

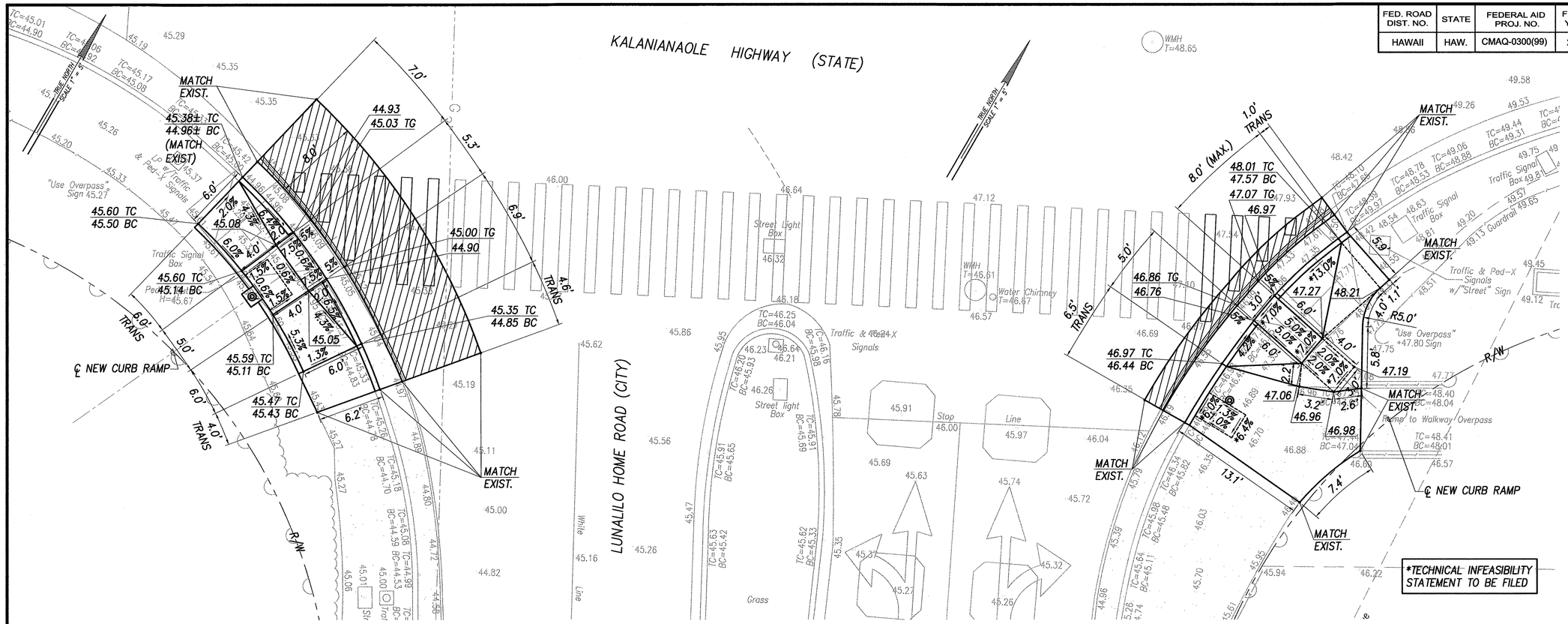
GRADING PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-130 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	132	180



GRADING PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD
INTERS. ID NO. 20788
SCALE: 1" = 5'

LEGEND

◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
▭	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

GRAPHIC SCALES
1" = 5' 5' 0 5' 10'

ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

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HIGHWAYS DIVISION

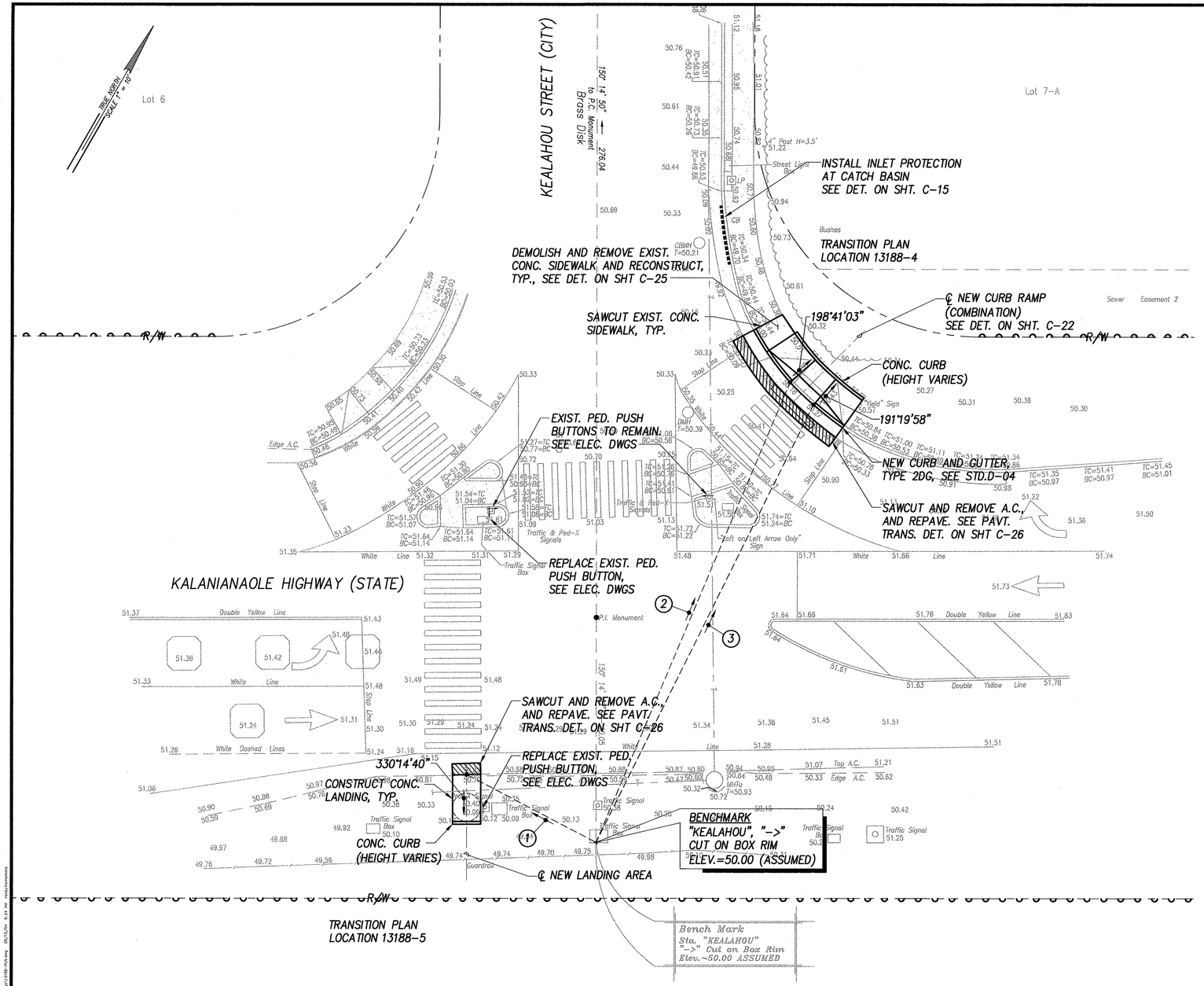
GRADING PLAN – KALANIANAOLE HWY & LUNALILO HOME ROAD

Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-131 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	133	180



(1) 87°57'08" 26.04'
TIE: BM TO INTERSECTION OF ℄ RAMP

(2) 172°59'57" 88.85'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

(3) 176°32'53" 86.95'
TIE: BM TO INTERSECTION OF RAMP EDGE AND CURB FACE

GRAPHIC SCALES
1" = 10' 10' 5' 0 10' 20'

SITE PLAN – KALANIANAOLE HWY & KEALAHOU STREET
INTERS. ID NO. 13188
SCALE: 1" = 10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
No.	QUANTITIES BY	"
	CHECKED BY	"

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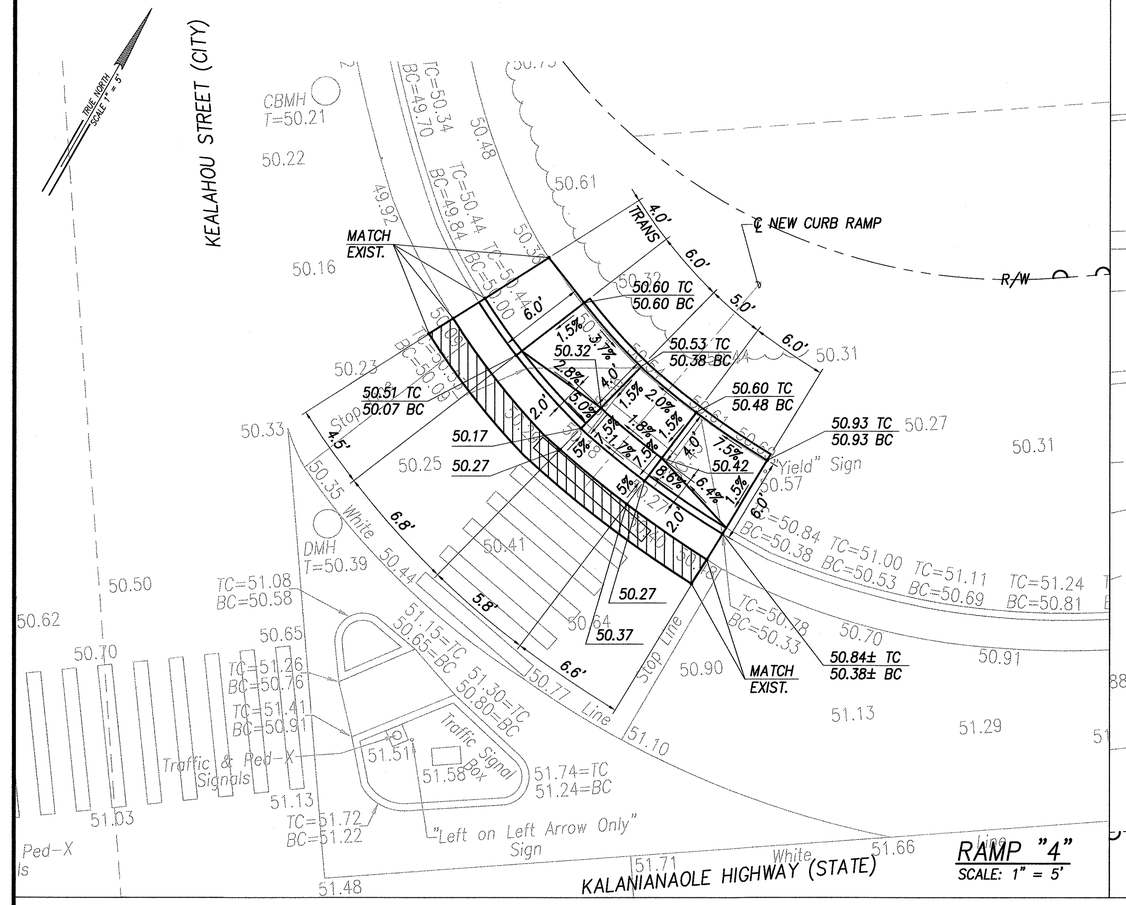
SITE PLAN – KALANIANAOLE HWY & KEALAHOU STREET

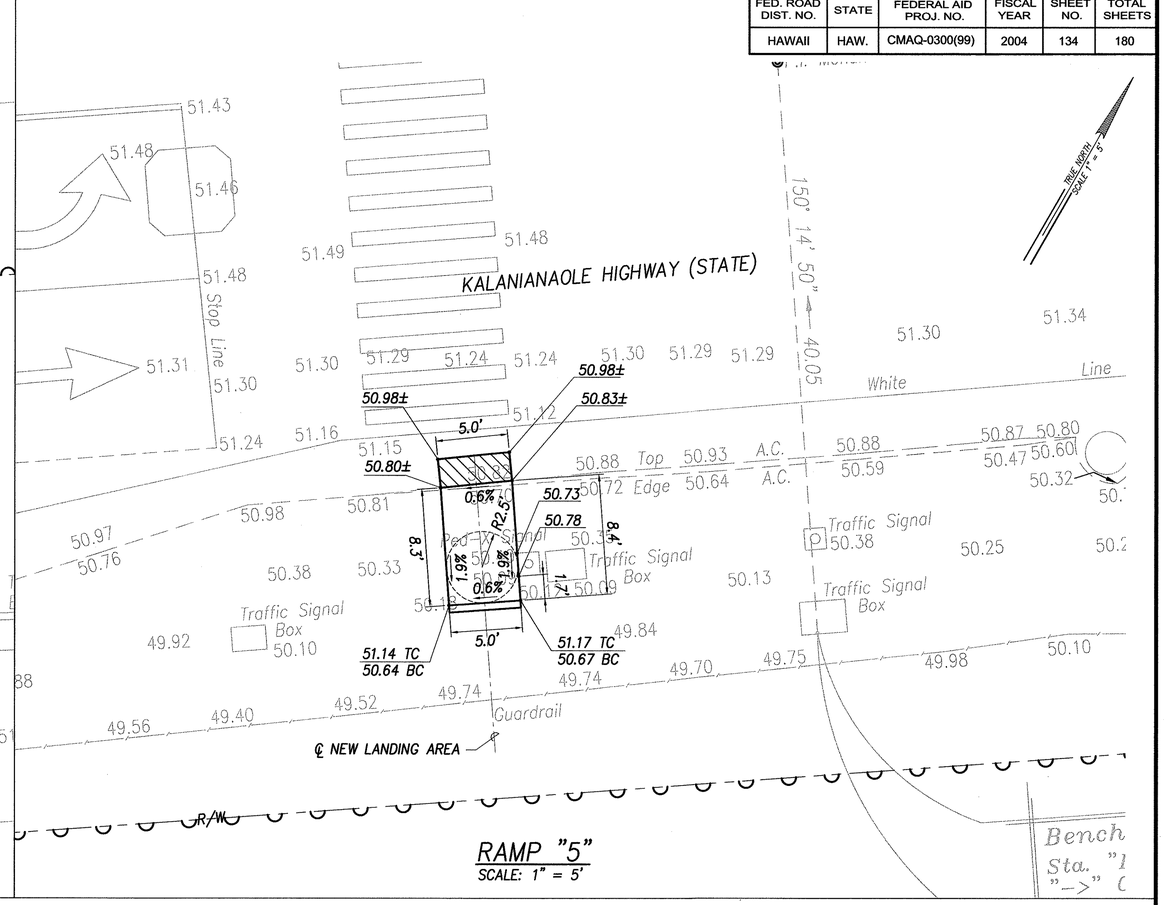
Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
Fed. Aid Proj. No. CMAQ-0300(99)

Scale: As Noted Date: August 2004

SHEET No. C-132 OF 139 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(99)	2004	134	180





SITE PLAN – KALANIANAOLE HWY & KEALAHOU STREET

INTERS. ID NO. 13188

SCALE: 1" = 5'

GRAPHIC SCALES

1" = 5' 5' 0 5' 10'

LEGEND	
◦ 49.99	EXIST. SPOT ELEVATION
50.00	FINISHED SPOT GRADE
50.50 TC / 50.00 BC	FINISHED TOP OF CURB / FINISHED BOTTOM OF CURB
	30"x48" PEDESTRIAN PUSH BUTTON LANDING AREA

ORIGINAL PLAT | NOTE BOOK | No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

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Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 8
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SHEET No. C-133 OF 139 SHEETS