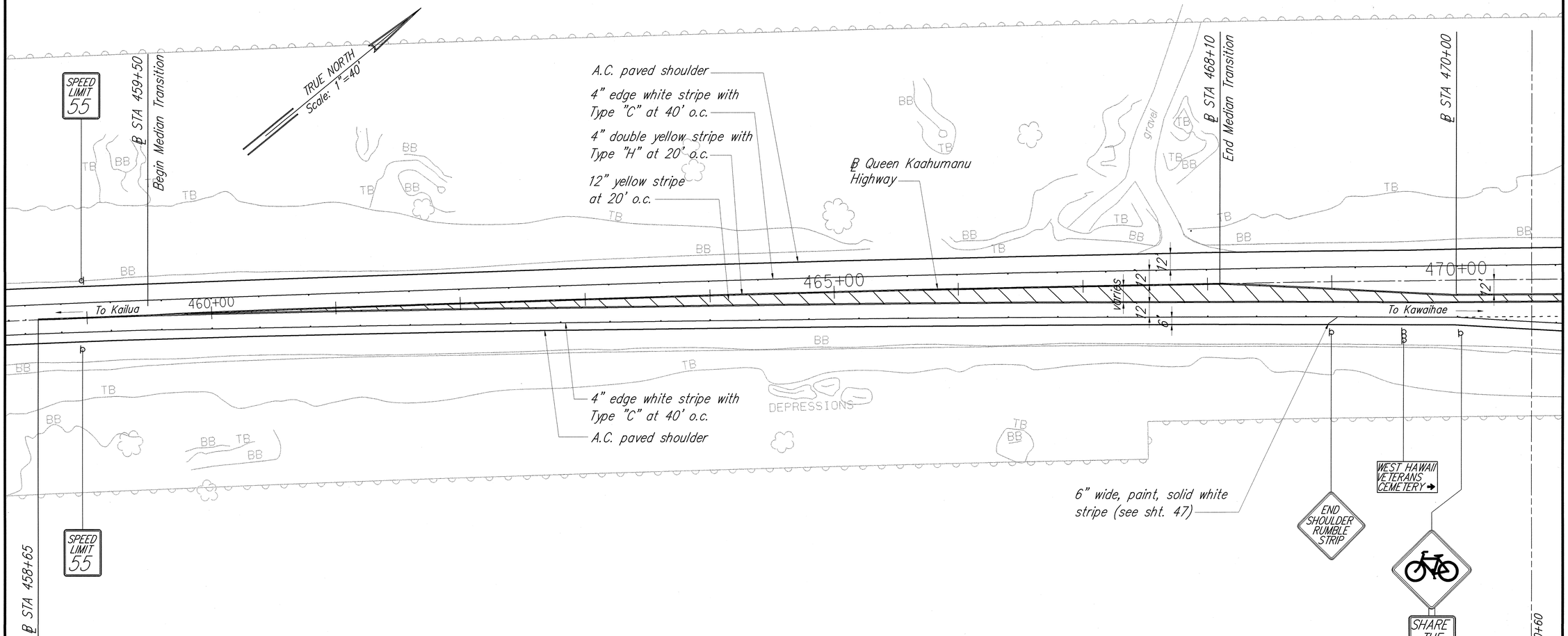
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	14	74



℄ Curve Data	
Δ	16°11'00"
Δ/2	8°05'30"
R	38,599.93'
T	5487.86'
C	10,866.44'
Lc	10,902.65'

VETERANS CEMETERY INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

ORIGINAL PLAN			DATE
	SURVEY PLOTTED BY		
	DRAWN BY	G. UM	3/03
NOTE BOOK	TRACED BY	"	3/03
	DESIGNED BY	C. MCDONALD	3/03
	QUANTITIES BY	C. MCDONALD	3/03
No.	CHECKED BY	E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

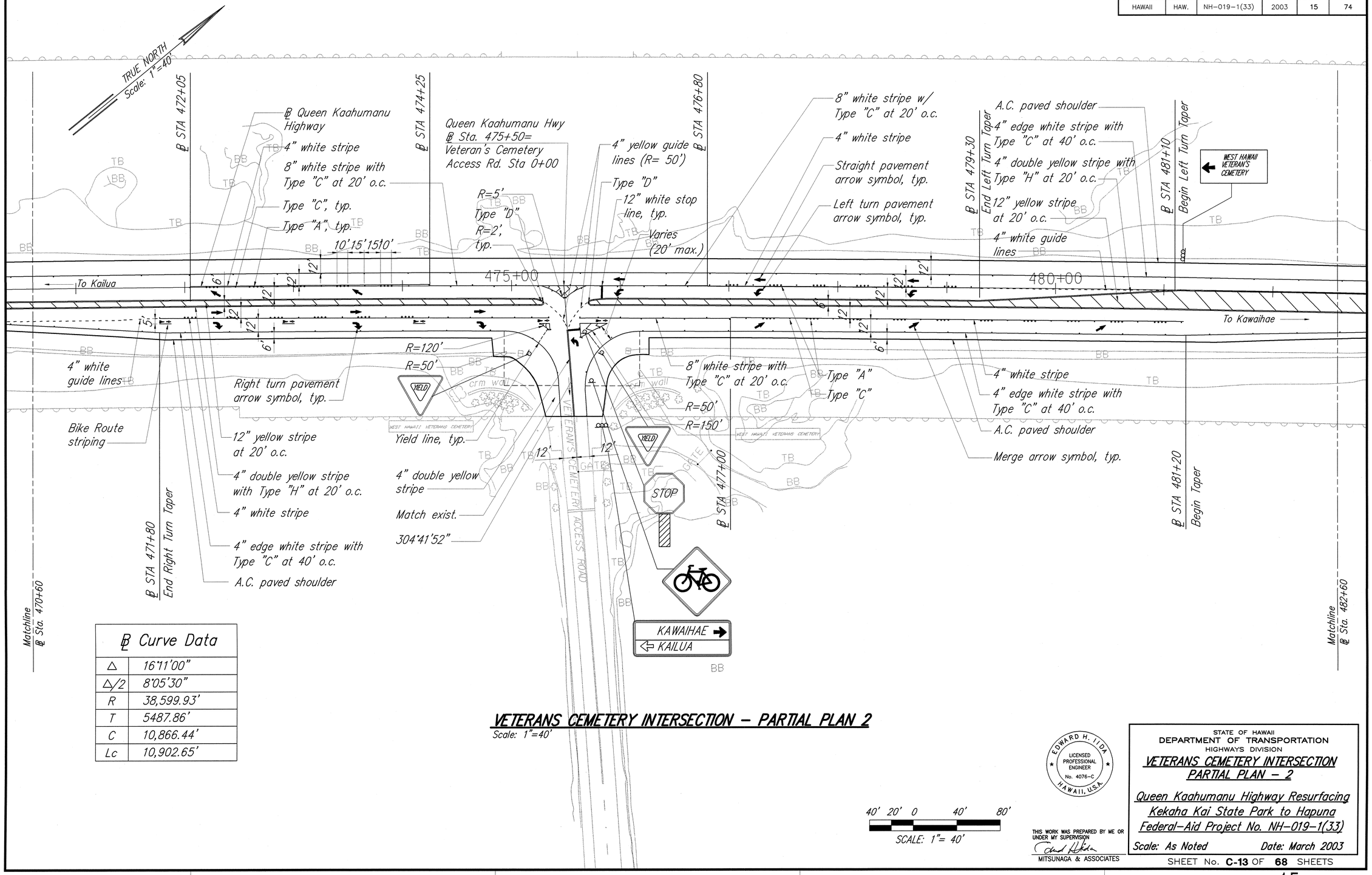
VETERANS CEMETERY INTERSECTION
PARTIAL PLAN – 1

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-12 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	15	74



℄ Curve Data	
Δ	16°11'00"
Δ/2	8°05'30"
R	38,599.93'
T	5487.86'
C	10,866.44'
Lc	10,902.65'

VETERANS CEMETERY INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY E. IWA	3/03
NOTE BOOK	TRACED BY	3/03
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

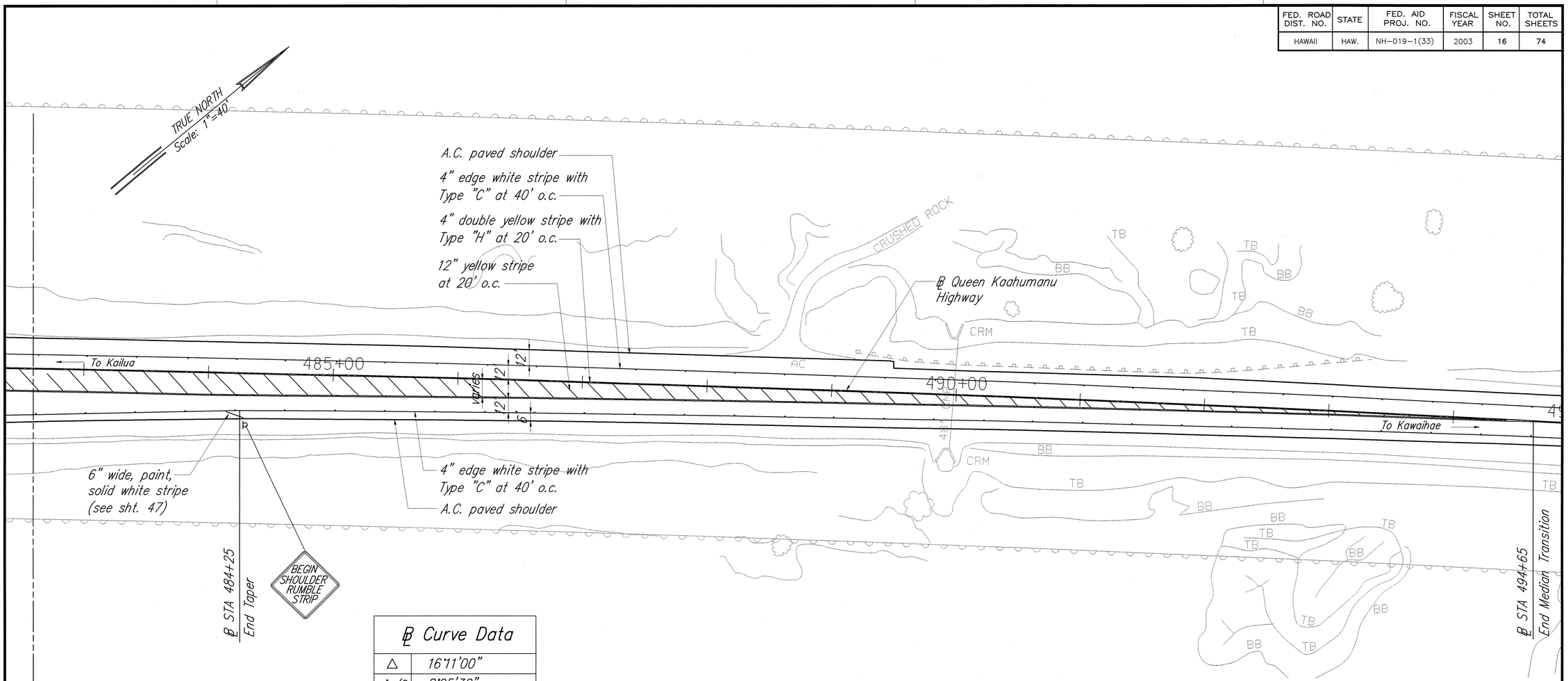
VETERANS CEMETERY INTERSECTION PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-13 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	16	74



℄ Curve Data	
Δ	16°11'00"
Δ/2	8°05'30"
R	38,599.93'
T	5487.86'
C	10,866.44'
Lc	10,902.65'

VETERANS CEMETERY INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. AM	3/03
NOTE BOOK	TRACED BY	3/03
	DESIGNED BY C. MCDONALD	3/03
No.	QUANTITIES BY C. MCDONALD	3/03
	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

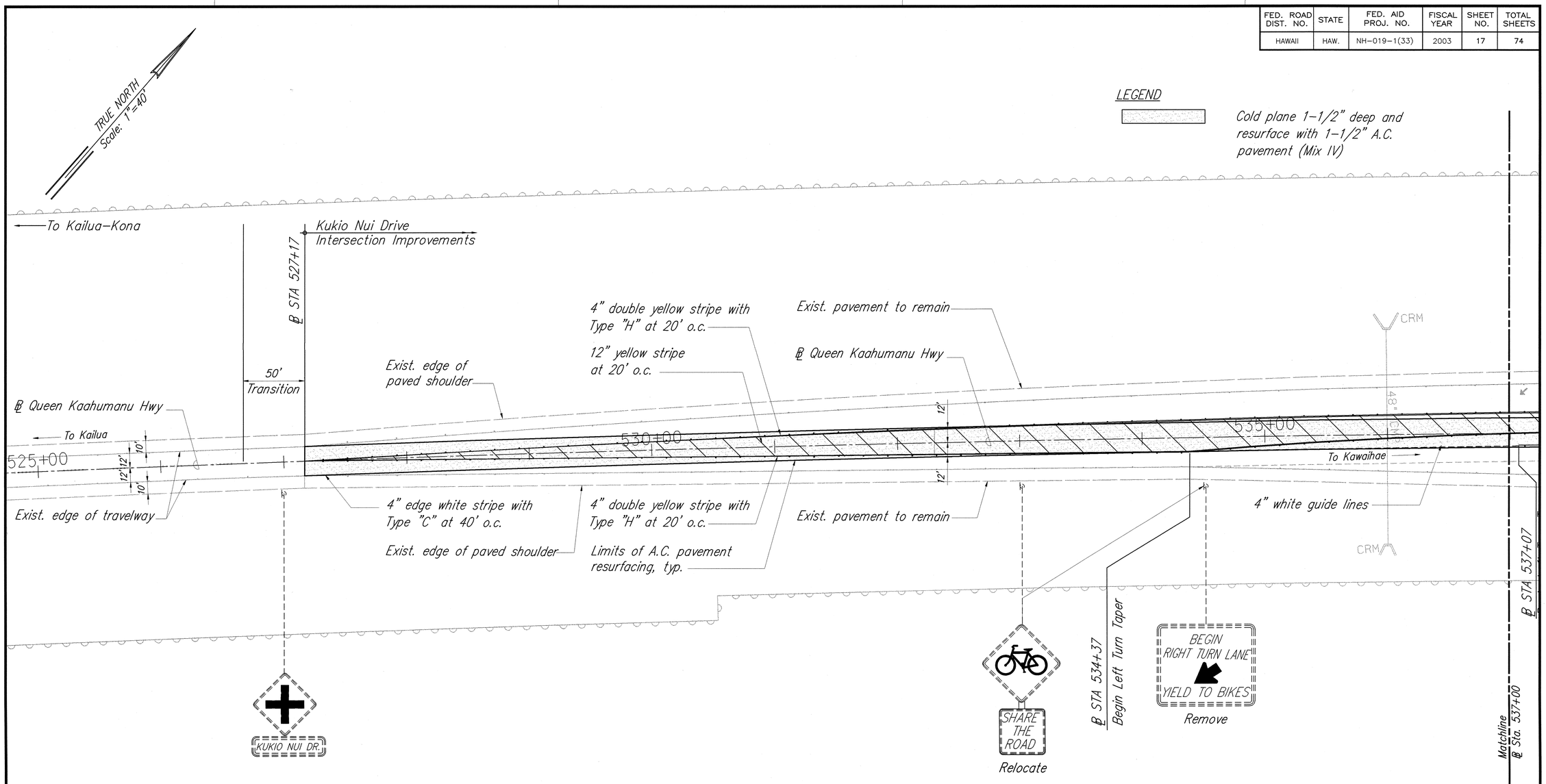
VETERANS CEMETERY INTERSECTION
PARTIAL PLAN – 3

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-14 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	17	74



KUKIO NUI DRIVE INTERSECTION - PARTIAL PLAN 1

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN		
	SURVEY PLOTTED BY	DATE
	DRAWN BY S. UM	3/03
NOTE BOOK	TRACED BY "	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY "	"
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

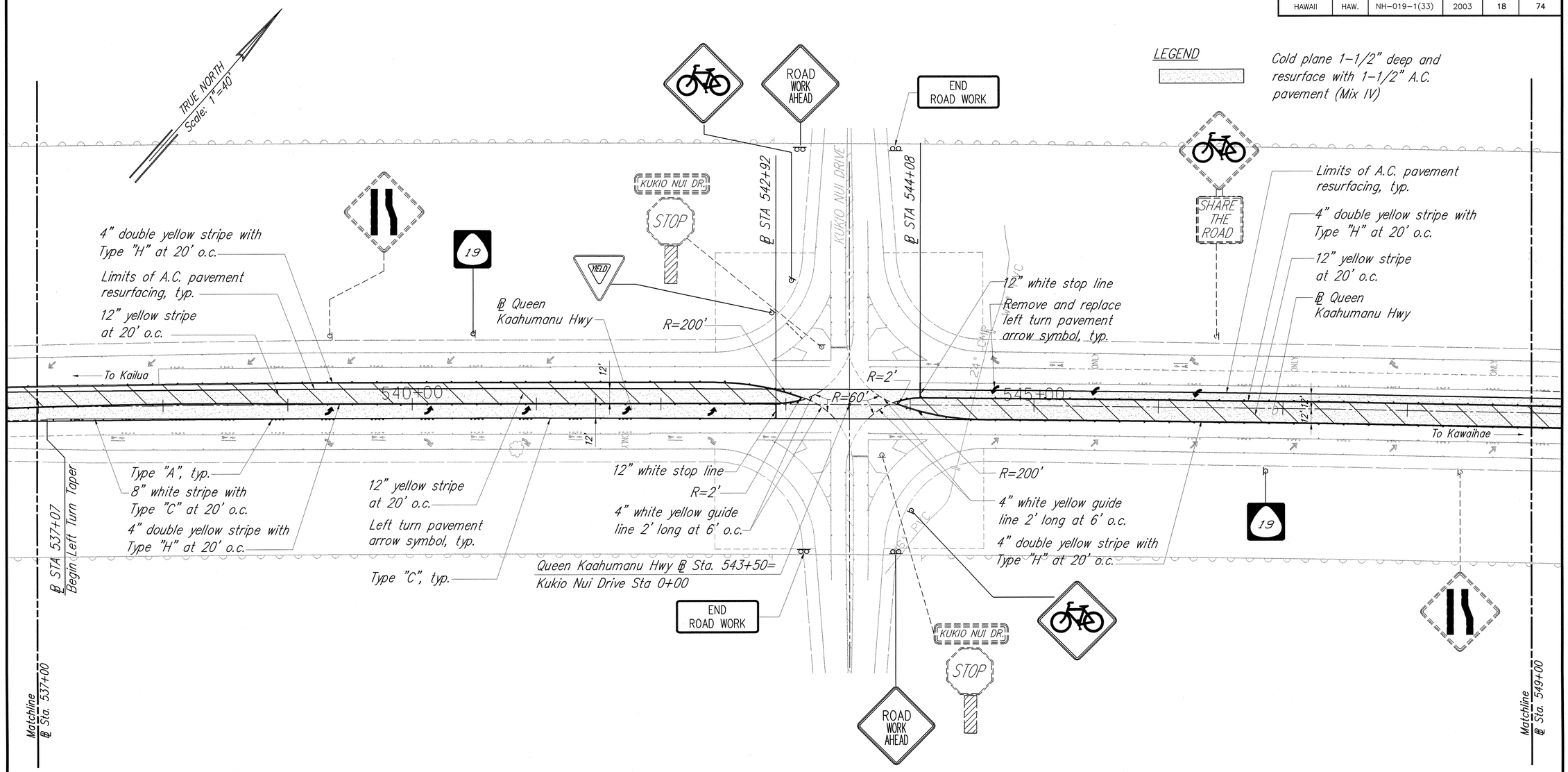
KUKIO NUI DRIVE INTERSECTION
PARTIAL PLAN - 1

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-15** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	18	74



KUKIO NUI DRIVE INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 3/03
	SURVEY BY C. M.	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

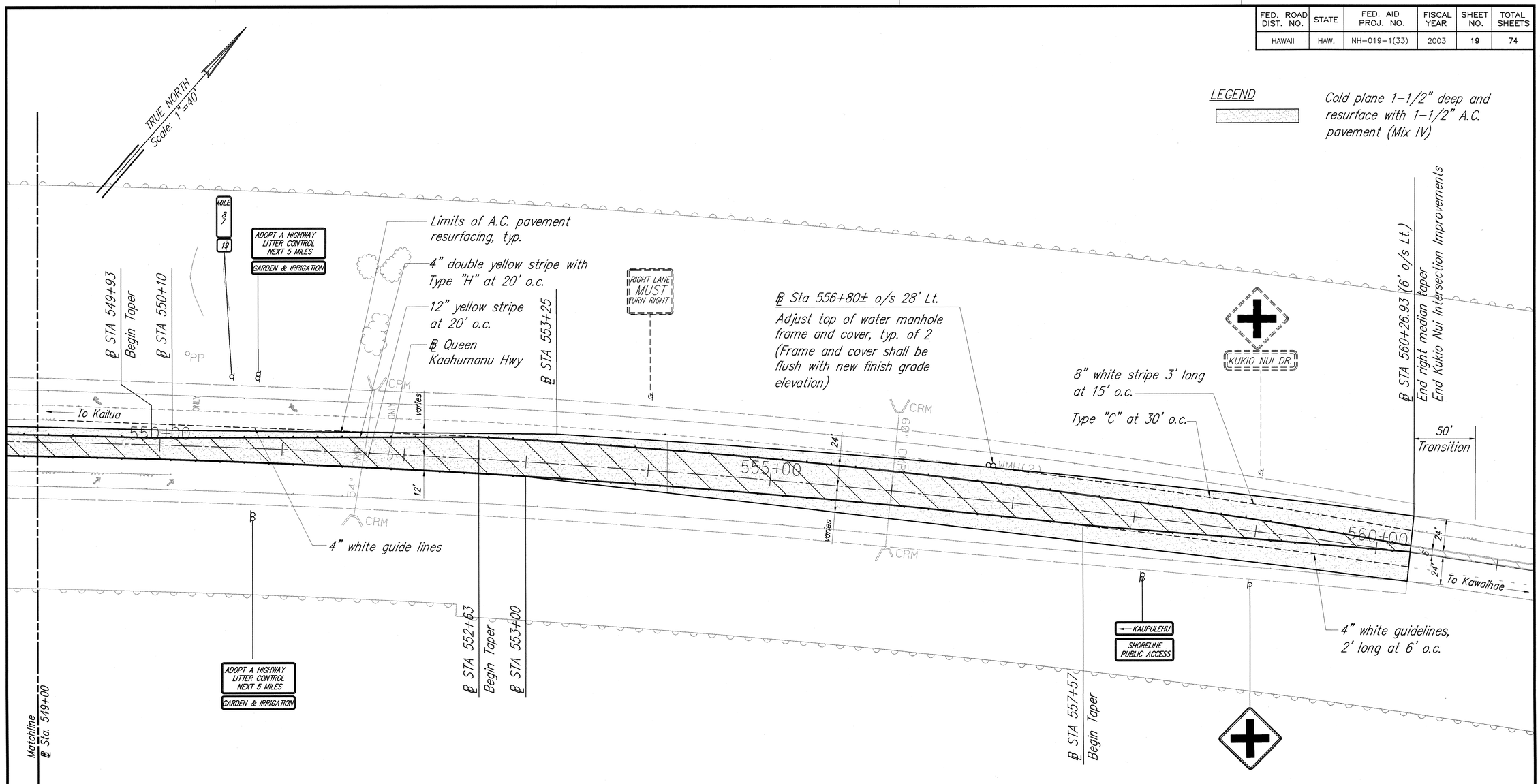
KUKIO NUI DRIVE INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-16** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	19	74



KUKIO NUI DRIVE INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUKIO NUI DRIVE INTERSECTION
PARTIAL PLAN – 3

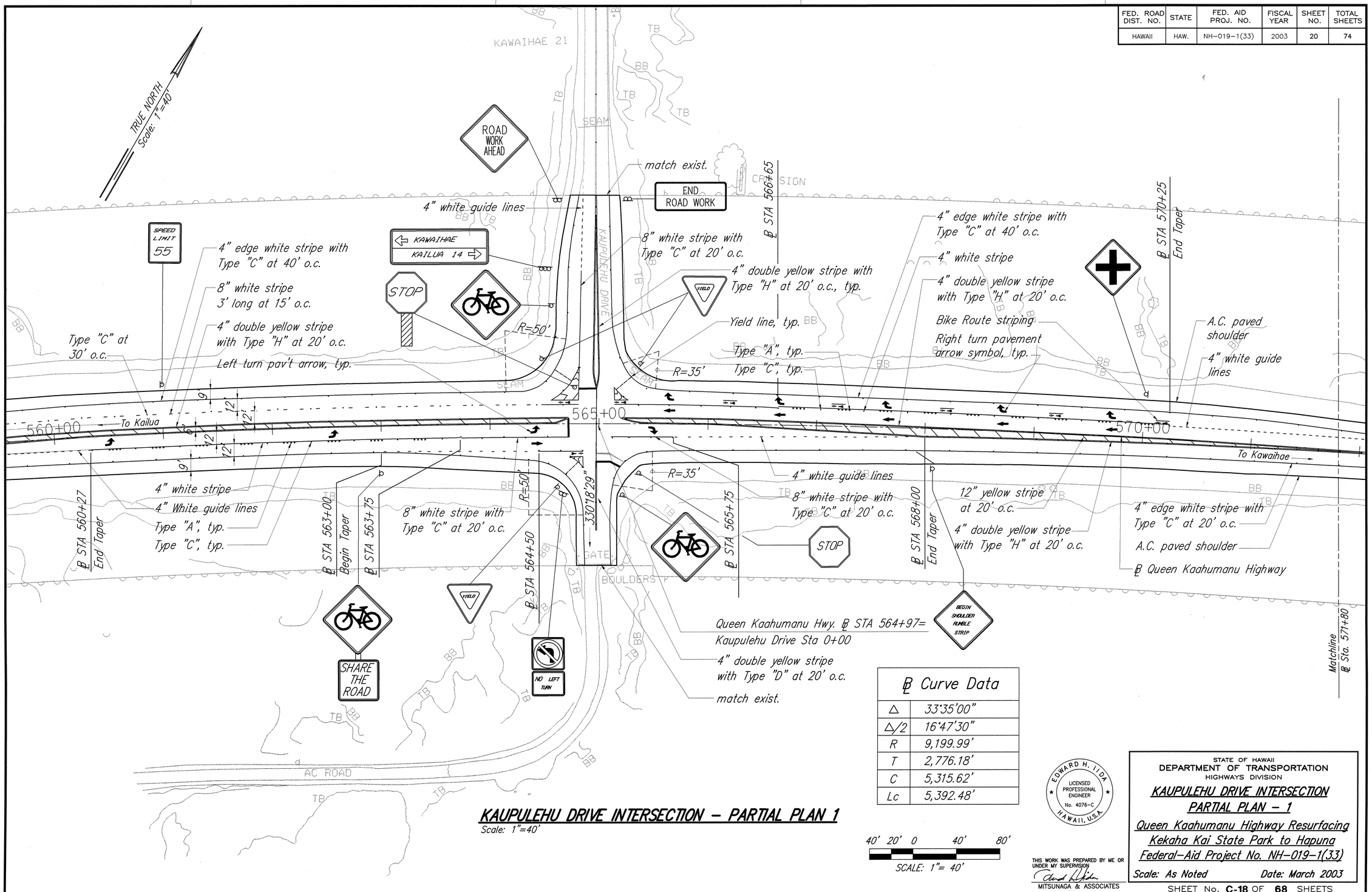
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-17 OF 68 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY E. AN	3/03
NOTE BOOK	TRACED BY	3/03
	DESIGNED BY C. MCDONALD	3/03
No.	QUANTITIES BY C. MCDONALD	3/03
	CHECKED BY E. IIDA	3/03

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	20	74



KAUPULEHU DRIVE INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

℄ Curve Data	
Δ	33°35'00"
Δ/2	16°47'30"
R	9,199.99'
T	2,776.18'
C	5,315.62'
Lc	5,392.48'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAUPULEHU DRIVE INTERSECTION
PARTIAL PLAN – 1

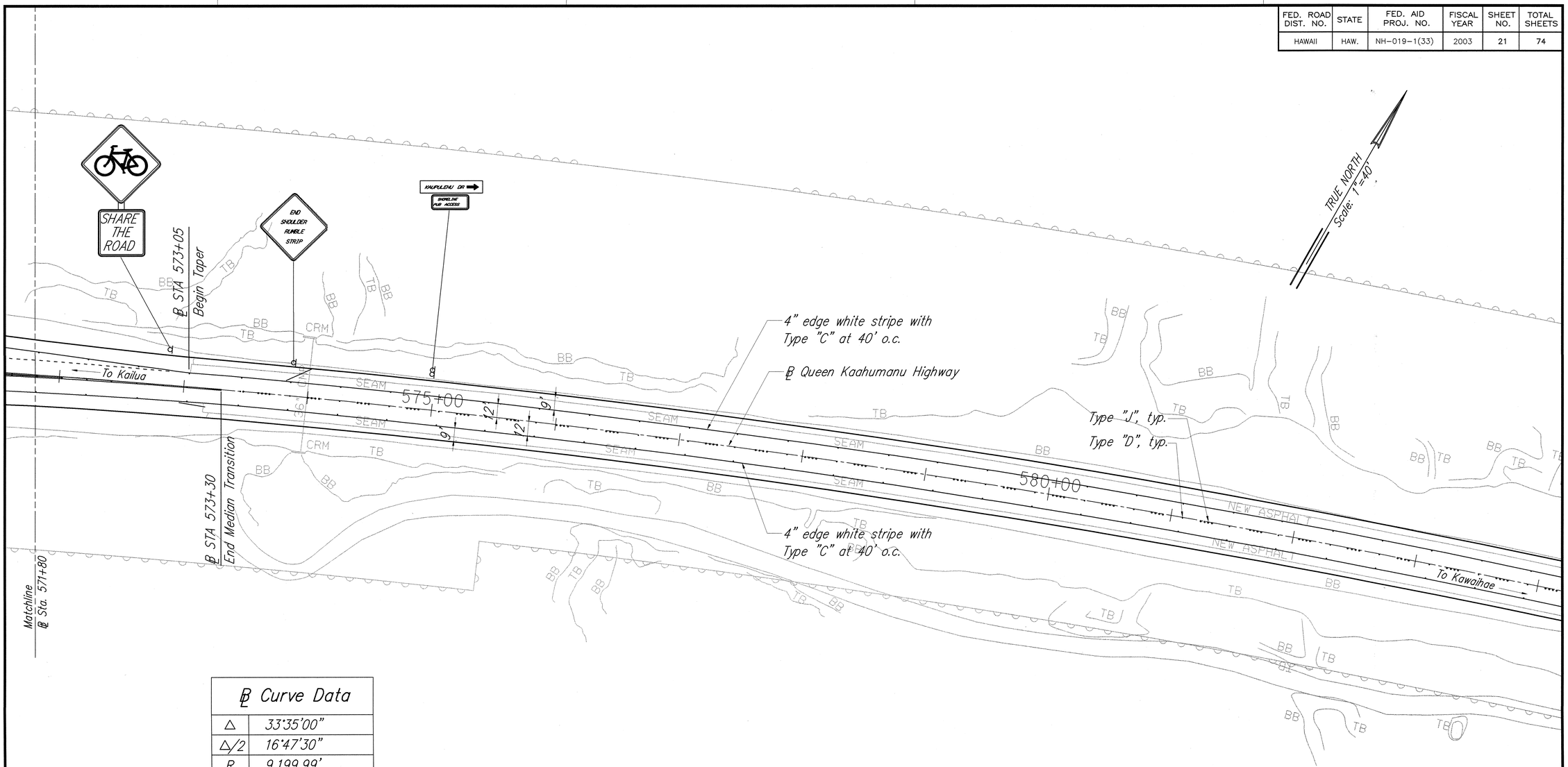
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-18 OF 68 SHEETS

ORIGINAL PLAT	SURVEY PLOTTED BY	DATE
	DRAWN BY S. AH	3/03
NOTE BOOK	TRACED BY " "	3/03
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	21	74



℄ Curve Data	
Δ	33°35'00"
Δ/2	16°47'30"
R	9,199.99'
T	2,776.18'
C	5,315.62'
Lc	5,392.48'

KAUPULEHU DRIVE INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN		DATE
	SURVEY PLOTTED BY	
	DRAWN BY S. LAI	3/03
	TRACED BY	
NOTE BOOK	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

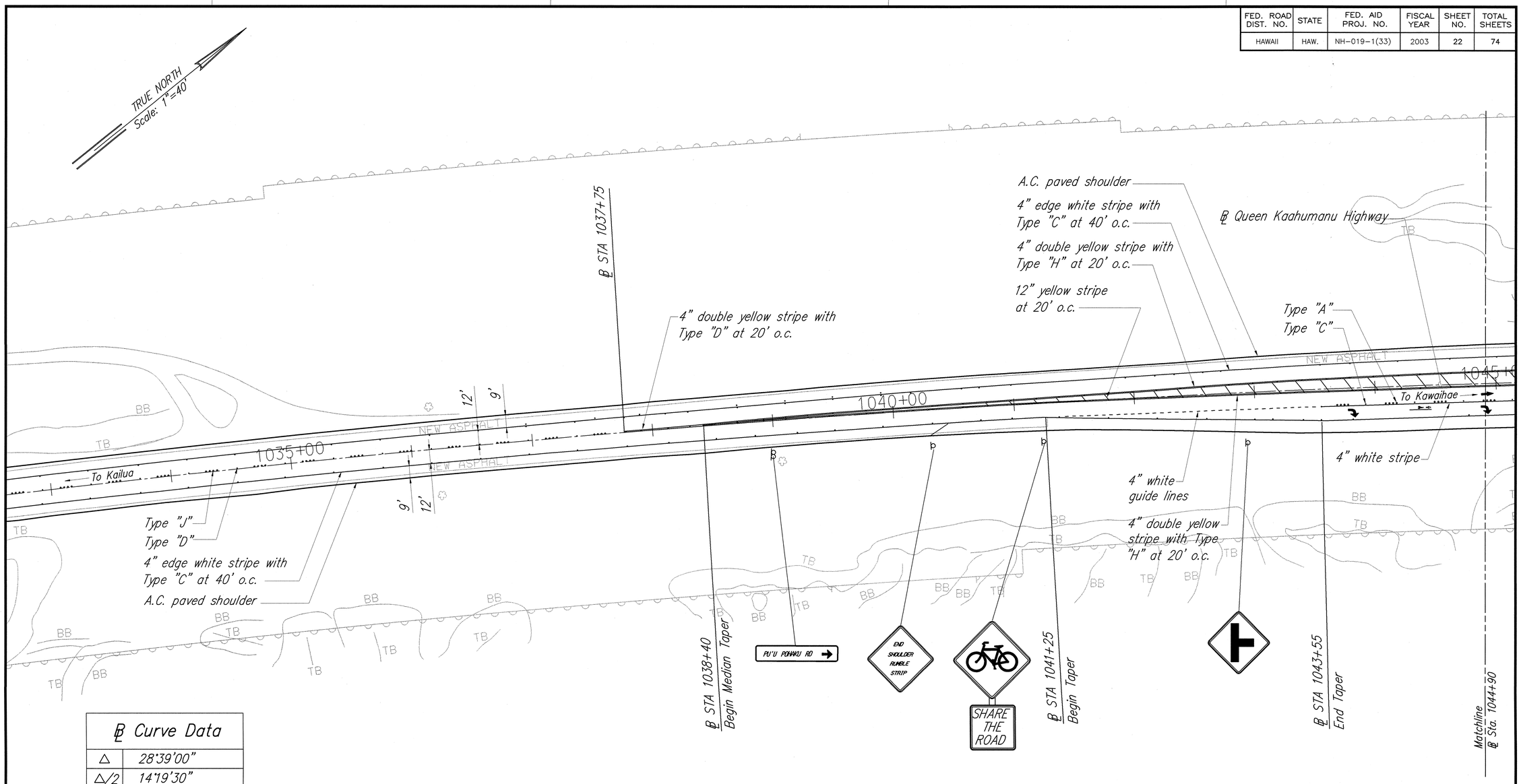
KAUPULEHU DRIVE INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-19** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	22	74



℄ Curve Data	
△	28°39'00"
△/2	14°19'30"
R	14,000.00'
T	3575.06'
C	6927.81'
Lc	7000.51'

PUU POHAKU ROAD INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 3/03
	DRAWN BY G. IM	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

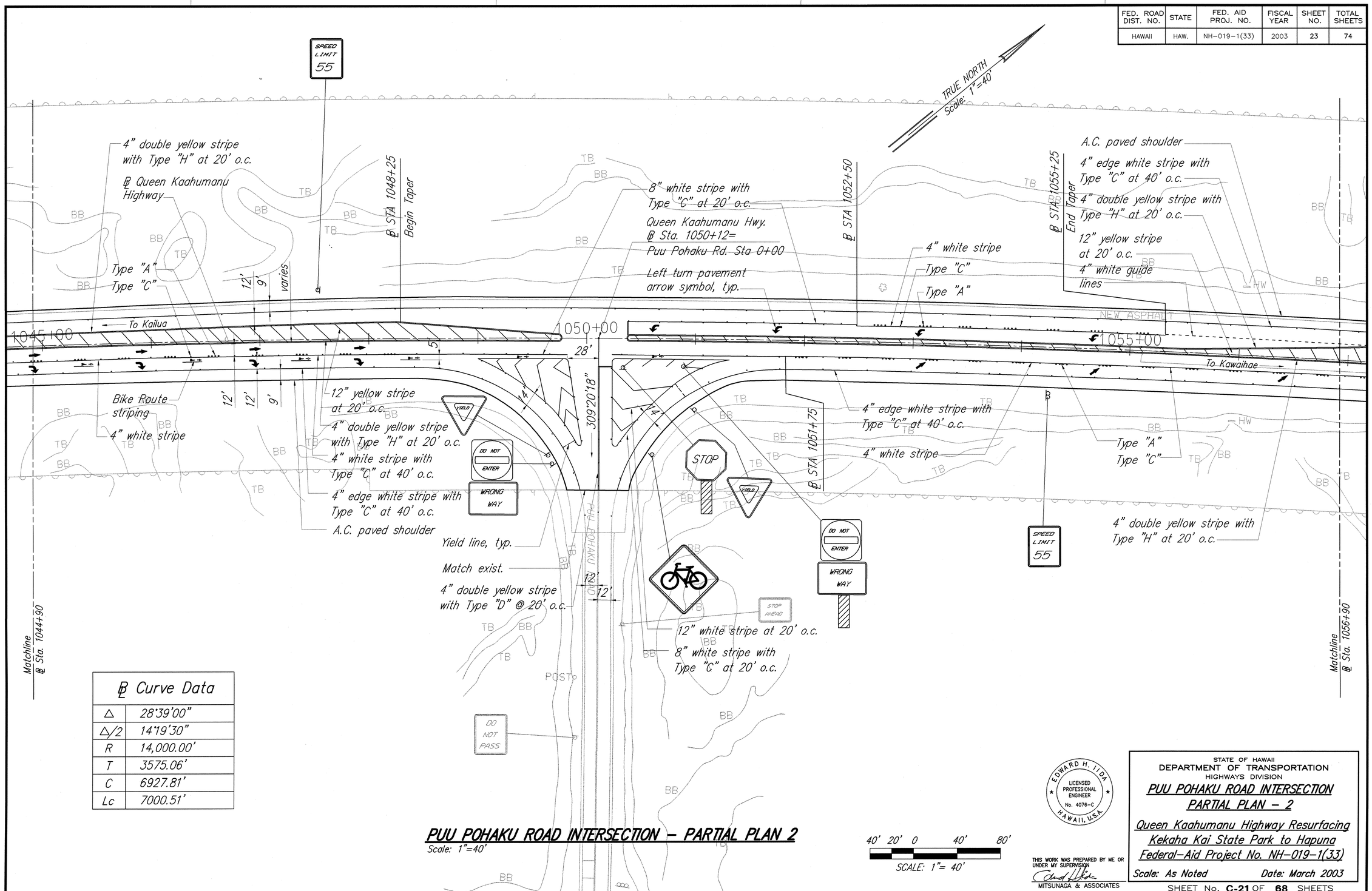
PUU POHAKU ROAD INTERSECTION
PARTIAL PLAN – 1

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-20 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	23	74



℄ Curve Data	
Δ	28°39'00"
Δ/2	14°19'30"
R	14,000.00'
T	3575.06'
C	6927.81'
Lc	7000.51'

PUU POHAKU ROAD INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY G. AH	3/03
NOTE BOOK	TRACED BY	3/03
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY C. NIIA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

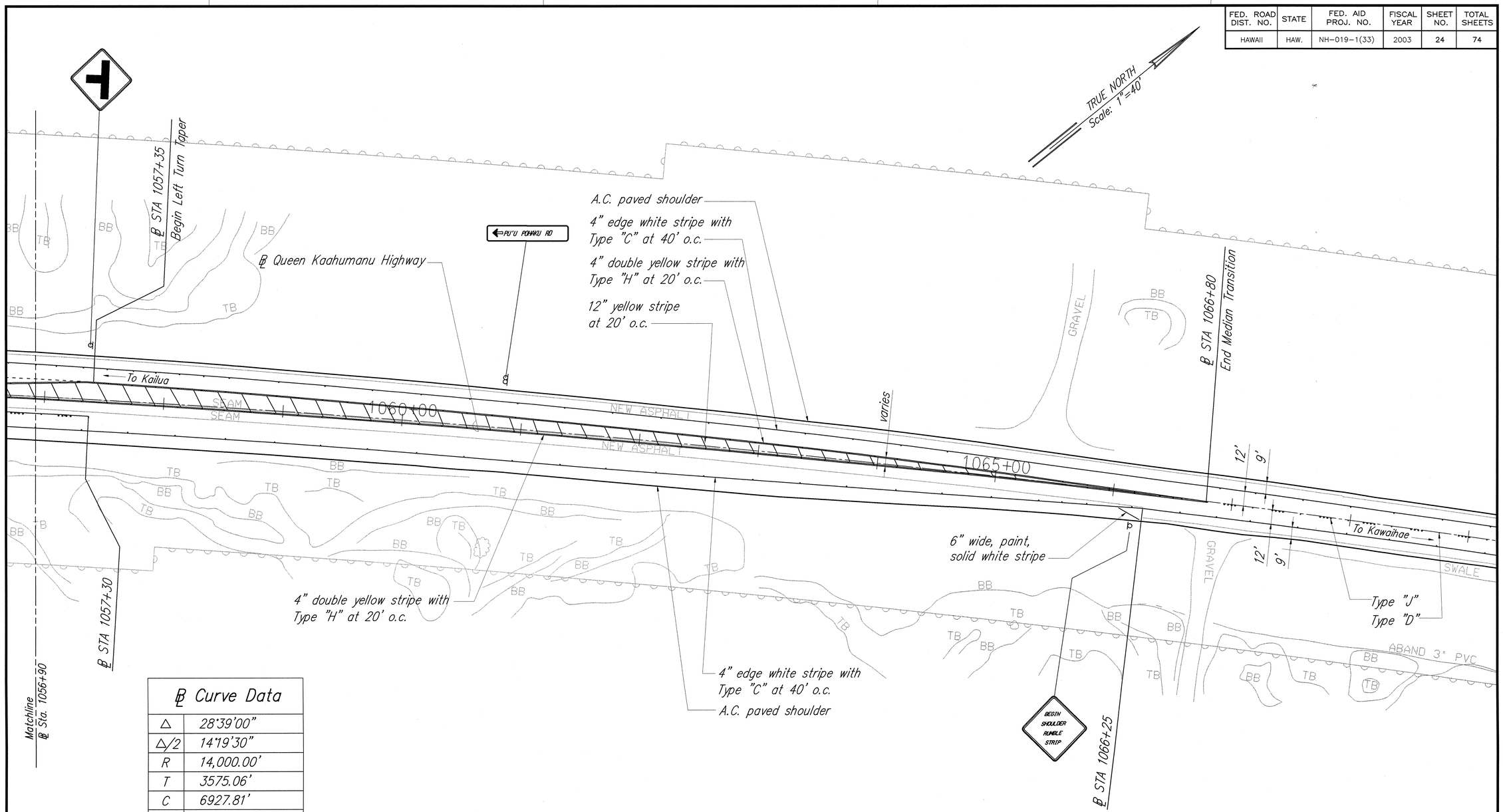
PUU POHAKU ROAD INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-21** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	24	74



℄ Curve Data	
△	28°39'00"
△/2	14°19'30"
R	14,000.00'
T	3575.06'
C	6927.81'
Lc	7000.51'

PUU POHAKU ROAD INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY G. IM	3/03
NOTE BOOK	TRACED BY "	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

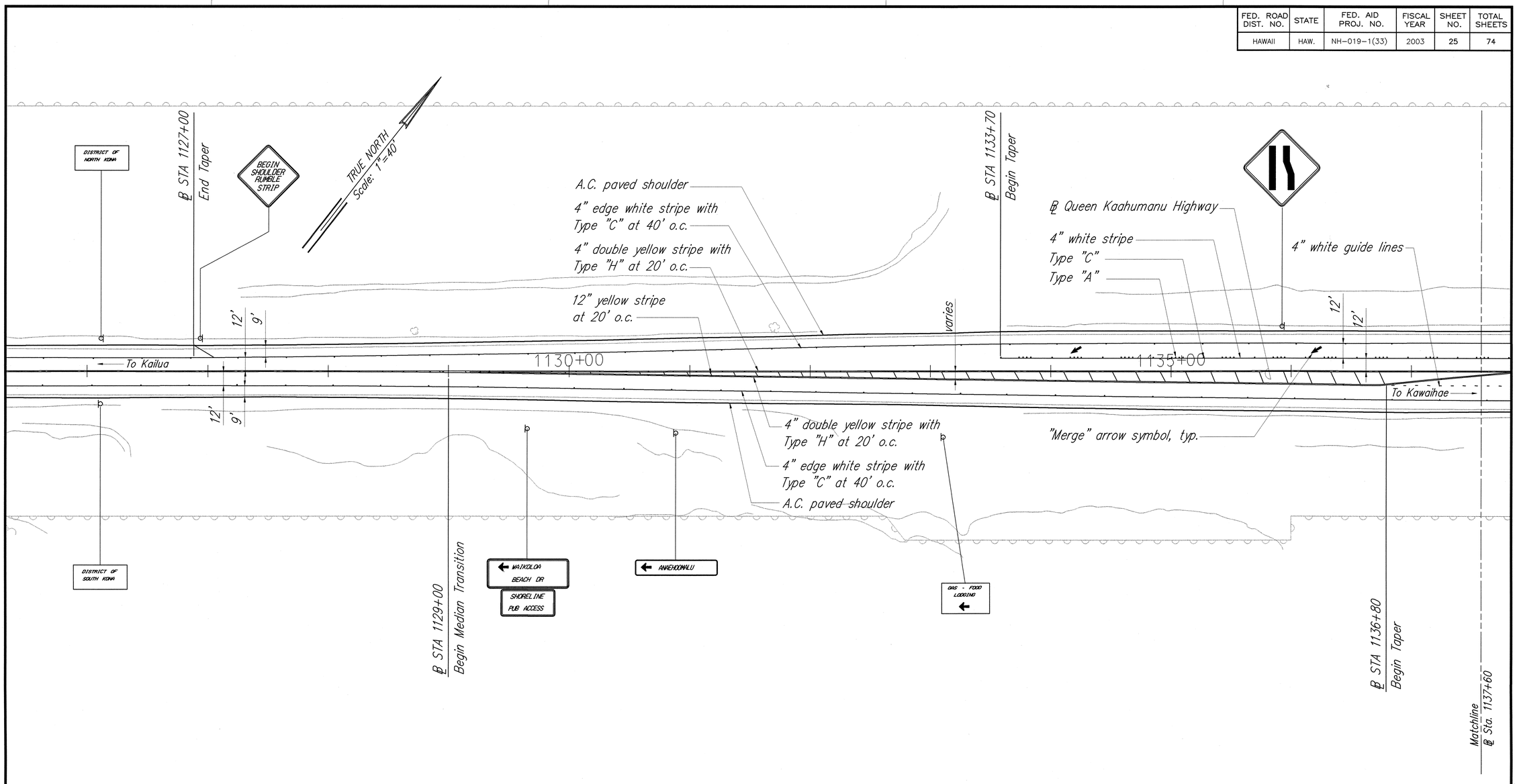
PUU POHAKU ROAD INTERSECTION
PARTIAL PLAN – 3

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-22 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	25	74



WAIKOLOA BEACH ROAD INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY G. M.	3/03
NOTE BOOK	TRACED BY "	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

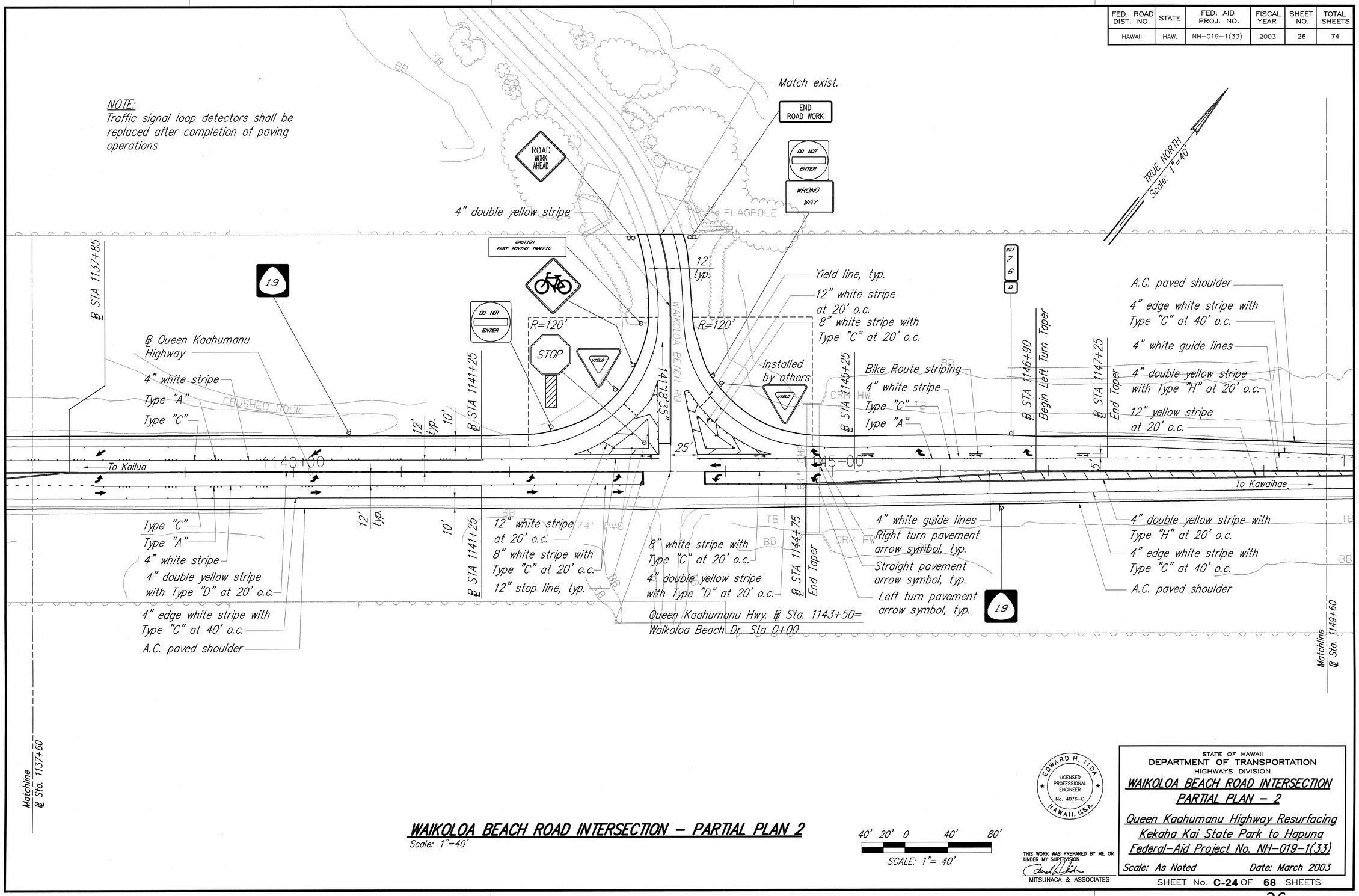
WAIKOLOA BEACH ROAD INTERSECTION
PARTIAL PLAN – 1

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-23 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	26	74



WAIKOLOA BEACH ROAD INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	TRACED BY S. AH	3/03
NOTE BOOK	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

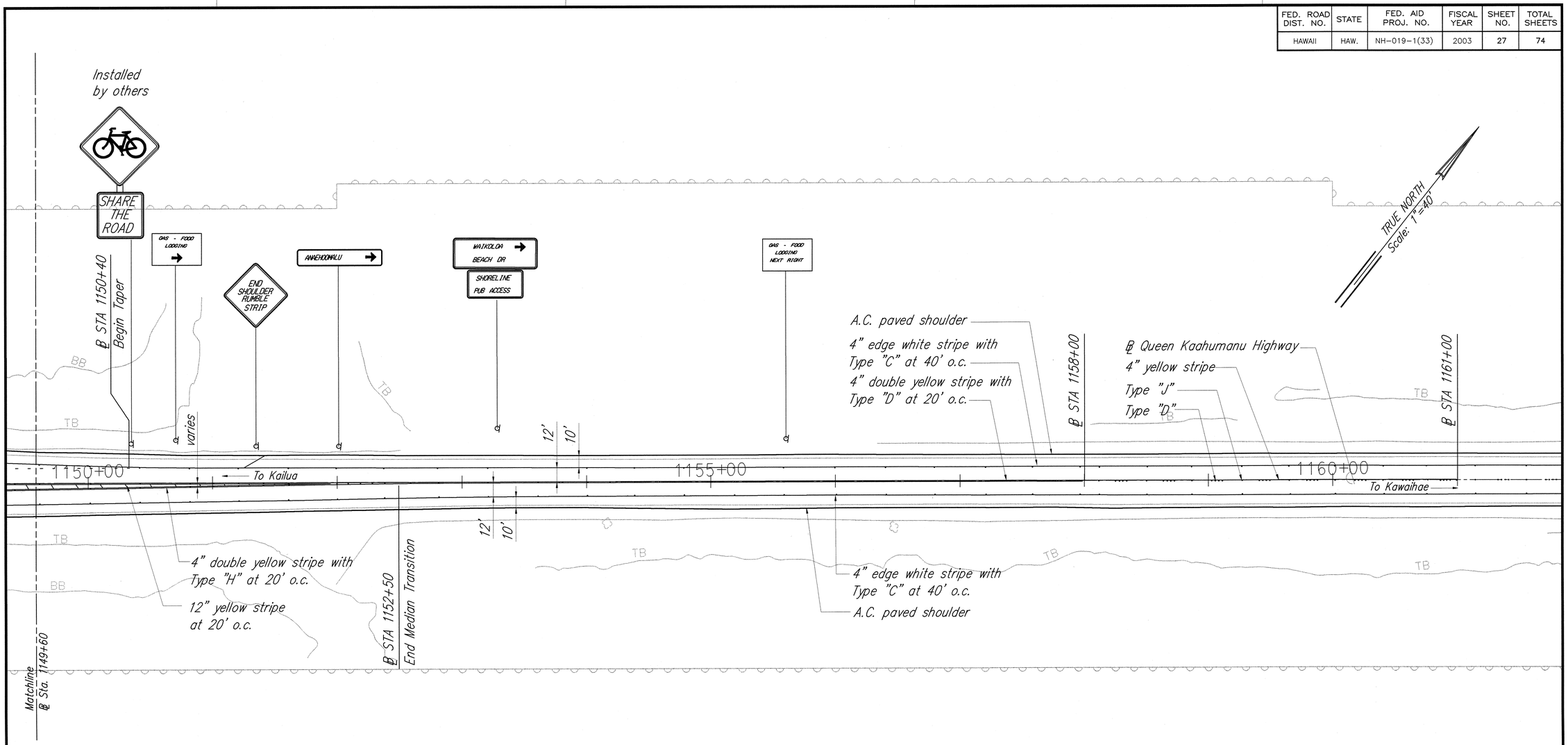
WAIKOLOA BEACH ROAD INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-24 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	27	74



WAIKOLOA BEACH ROAD INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY E. JAN	3/03
	PLOTTED BY " "	3/03
NOTE BOOK	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

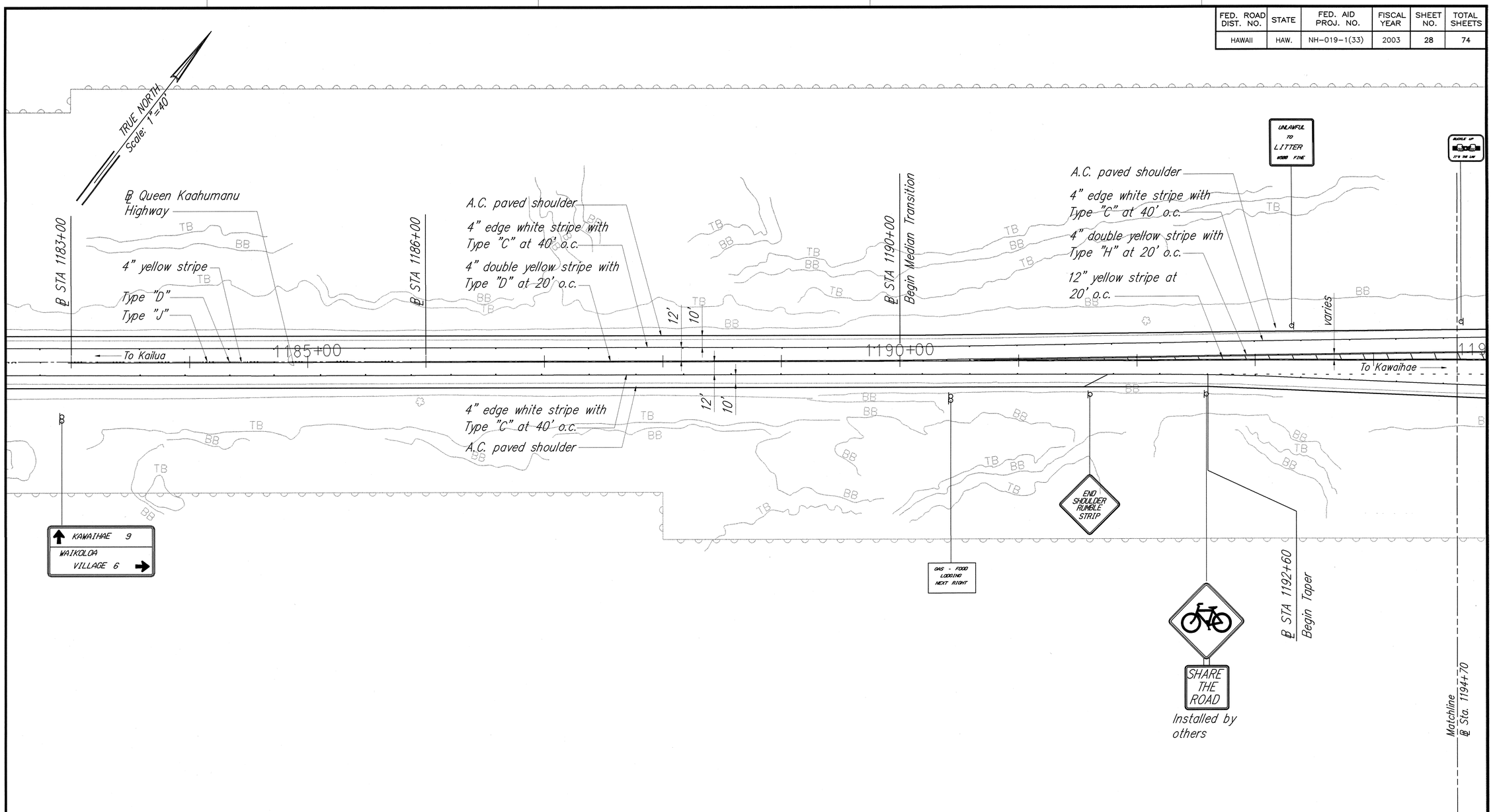
WAIKOLOA BEACH ROAD INTERSECTION
PARTIAL PLAN – 3

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-25 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	28	74



WAIKOLOA ROAD INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

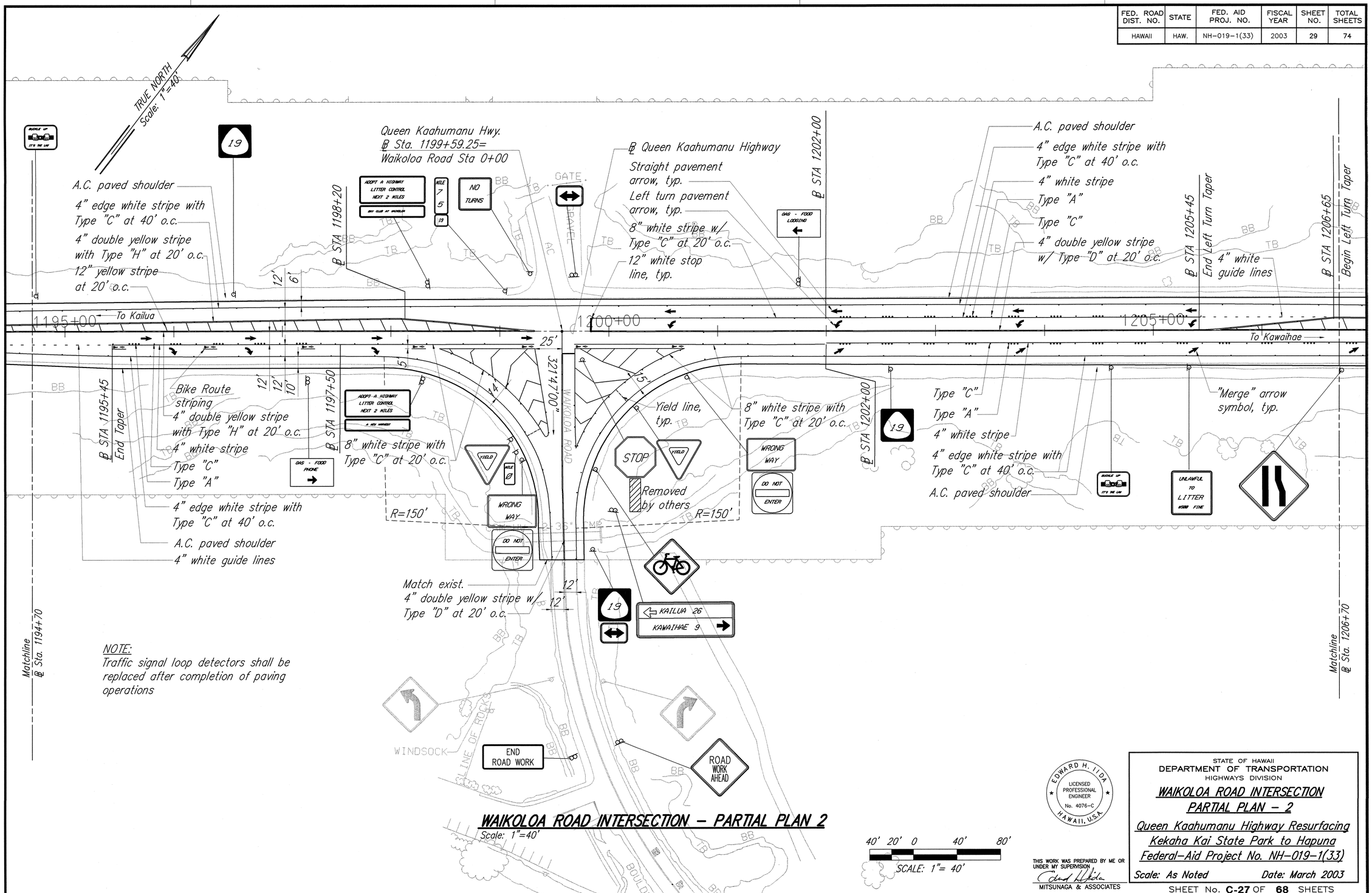
WAIKOLOA ROAD INTERSECTION
PARTIAL PLAN – 1
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-26 OF 68 SHEETS

ORIGINAL PLAN		DATE
	SURVEY PLOTTED BY	
	DRAWN BY G. UN	3/03
	PLOTTED BY " "	" 3/03
NOTE BOOK	DESIGNED BY C. McDONALD	3/03
	QUANTITIES BY C. McDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	29	74



WAIKOLOA ROAD INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY E. LIN	3/03
	TRACED BY "	3/03
NOTE BOOK	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

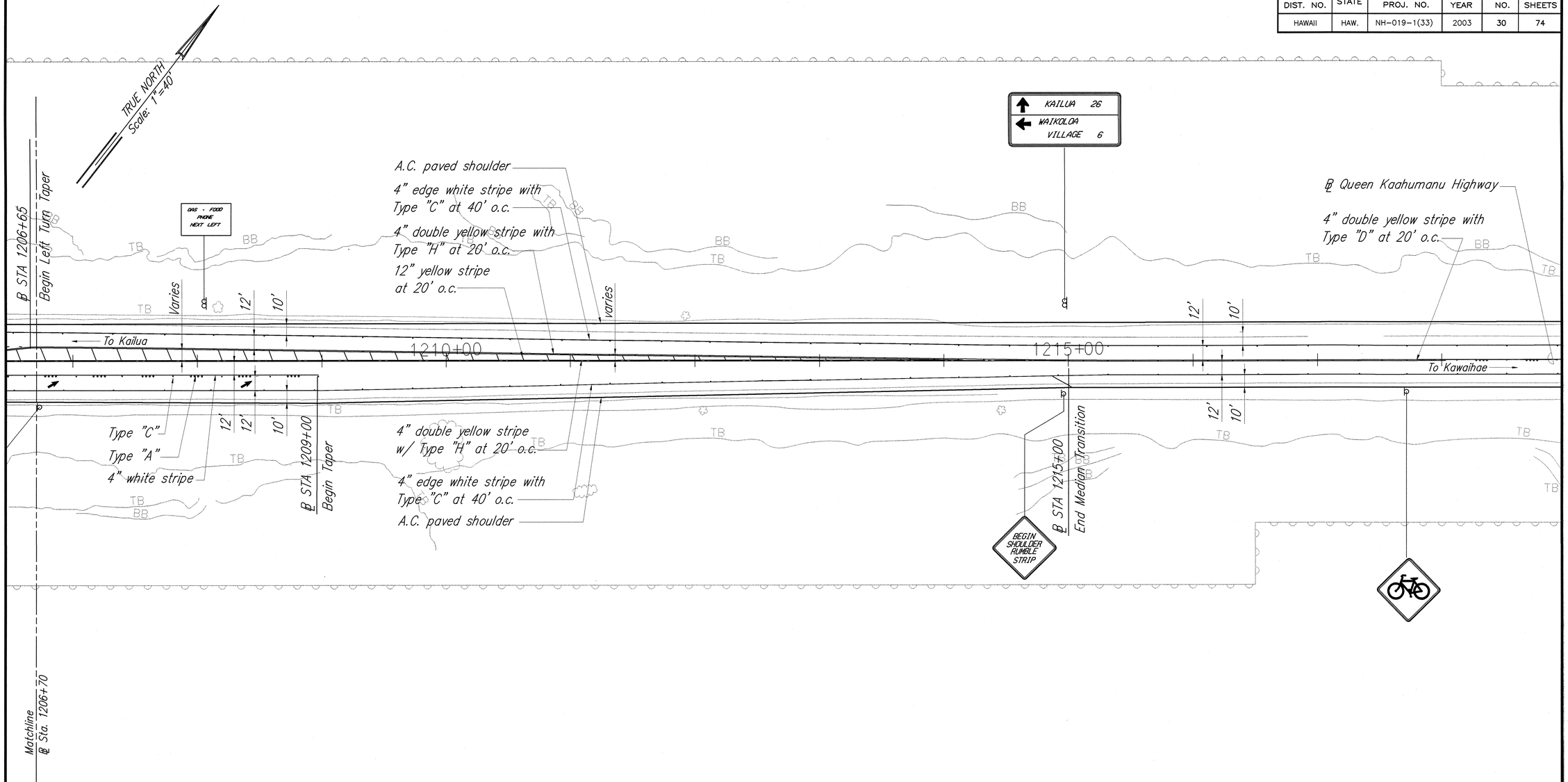
WAIKOLOA ROAD INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-27 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	30	74



WAIKOLOA ROAD INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WAIKOLOA ROAD INTERSECTION
PARTIAL PLAN – 3

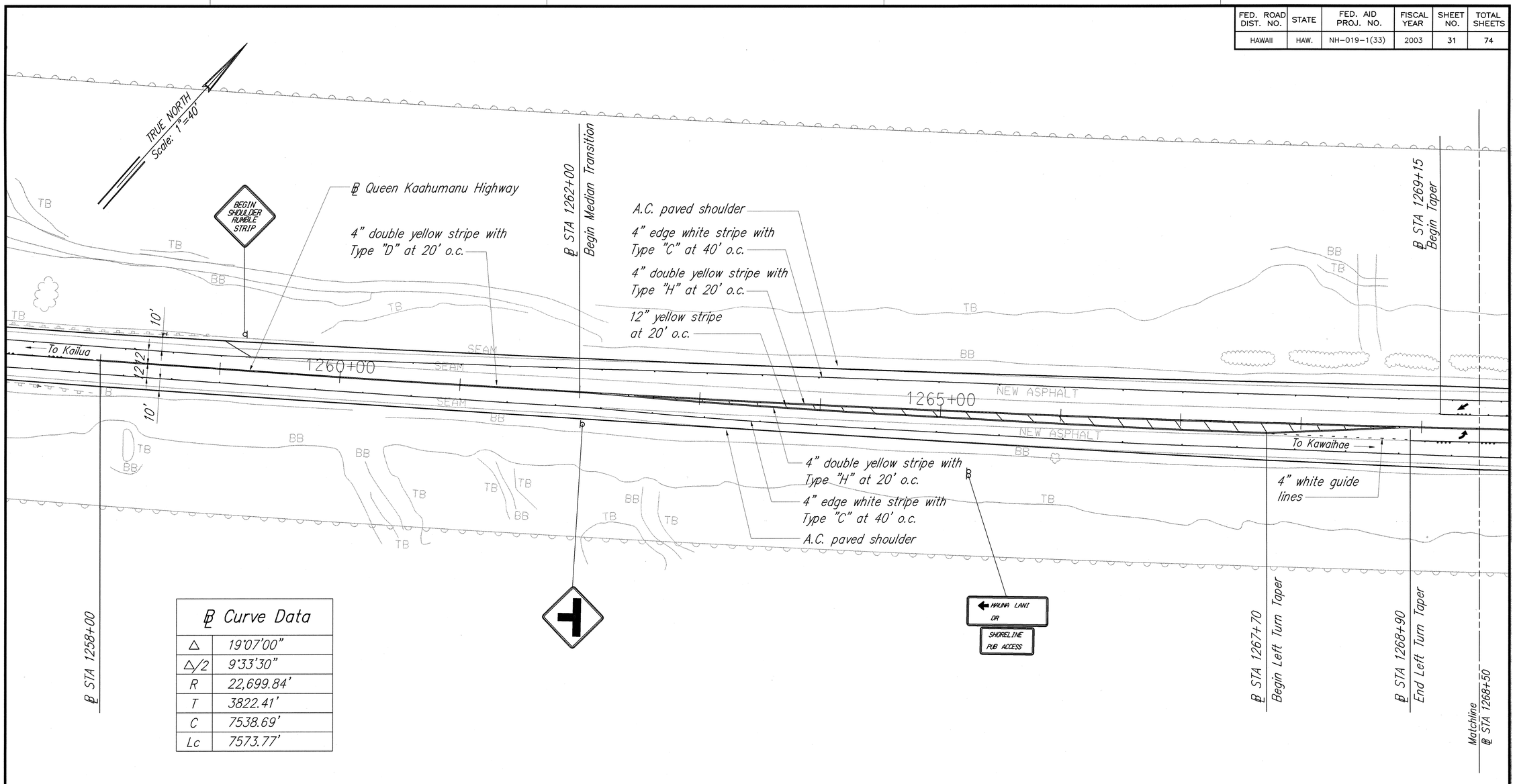
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-28 OF 68 SHEETS

ORIGINAL PLAN		
NOTE BOOK No.	SURVEY PLOTTED BY G. OH	DATE 3/03
	DRAWN BY " "	" 3/03
	TRACED BY " "	" 3/03
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
	CHECKED BY E. IIDA	3/03

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	31	74



℄ Curve Data	
△	19°07'00"
△/2	9°33'30"
R	22,699.84'
T	3822.41'
C	7538.69'
Lc	7573.77'

MAUNA LANI DRIVE INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY C. LIN	3/03
NOTE BOOK	TRACED BY	3/03
	DESIGNED BY C. MCDONALD	3/03
No.	QUANTITIES BY C. MCDONALD	3/03
	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

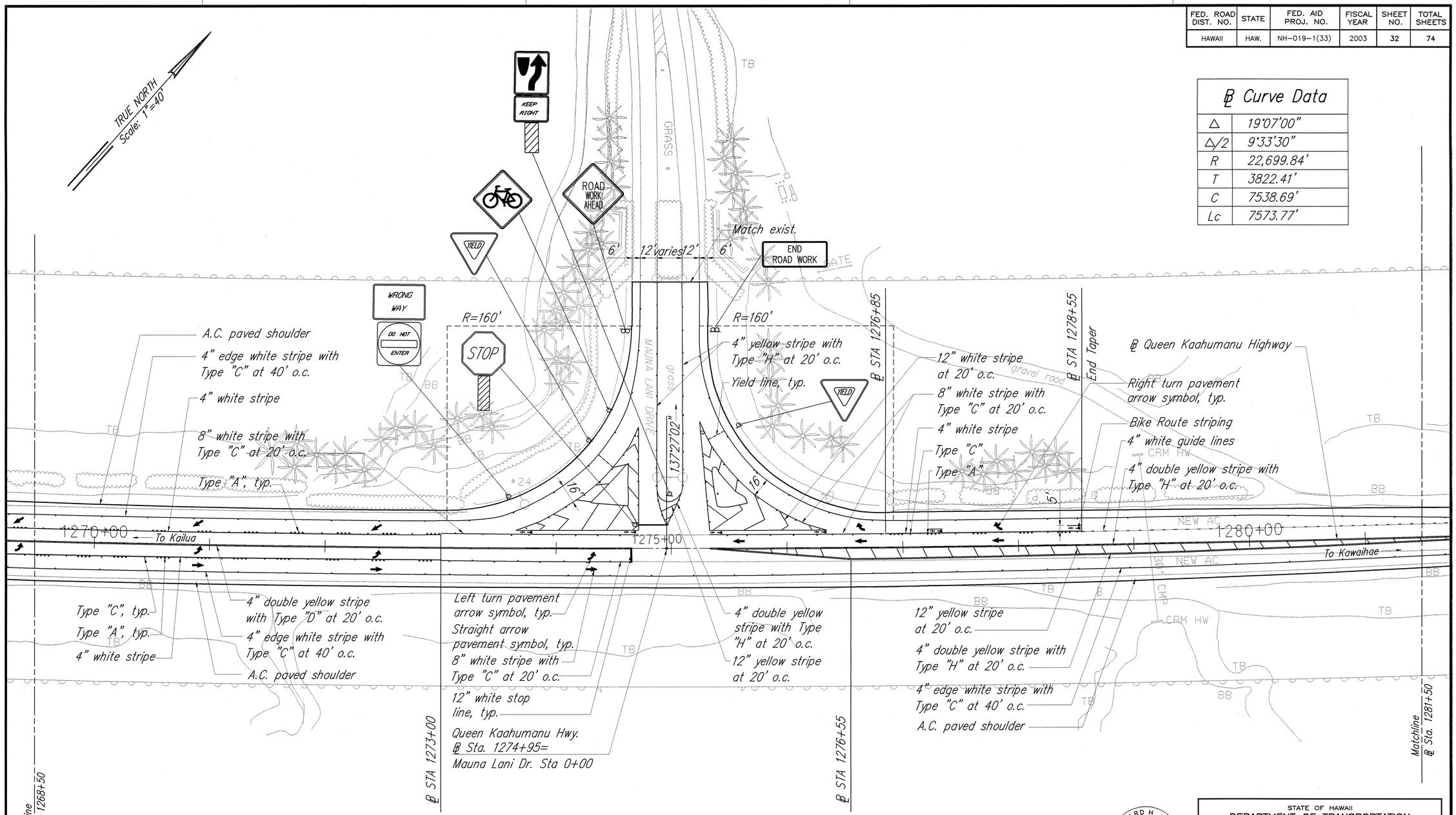
MAUNA LANI DRIVE INTERSECTION
PARTIAL PLAN – 1
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-29** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	32	74

℄ Curve Data	
Δ	19°07'00"
Δ/2	9°33'30"
R	22,699.84'
T	3822.41'
C	7538.69'
Lc	7573.77'



MAUNA LANI DRIVE INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY G. UN	3/03
NOTE BOOK	TRACED BY " "	" "
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

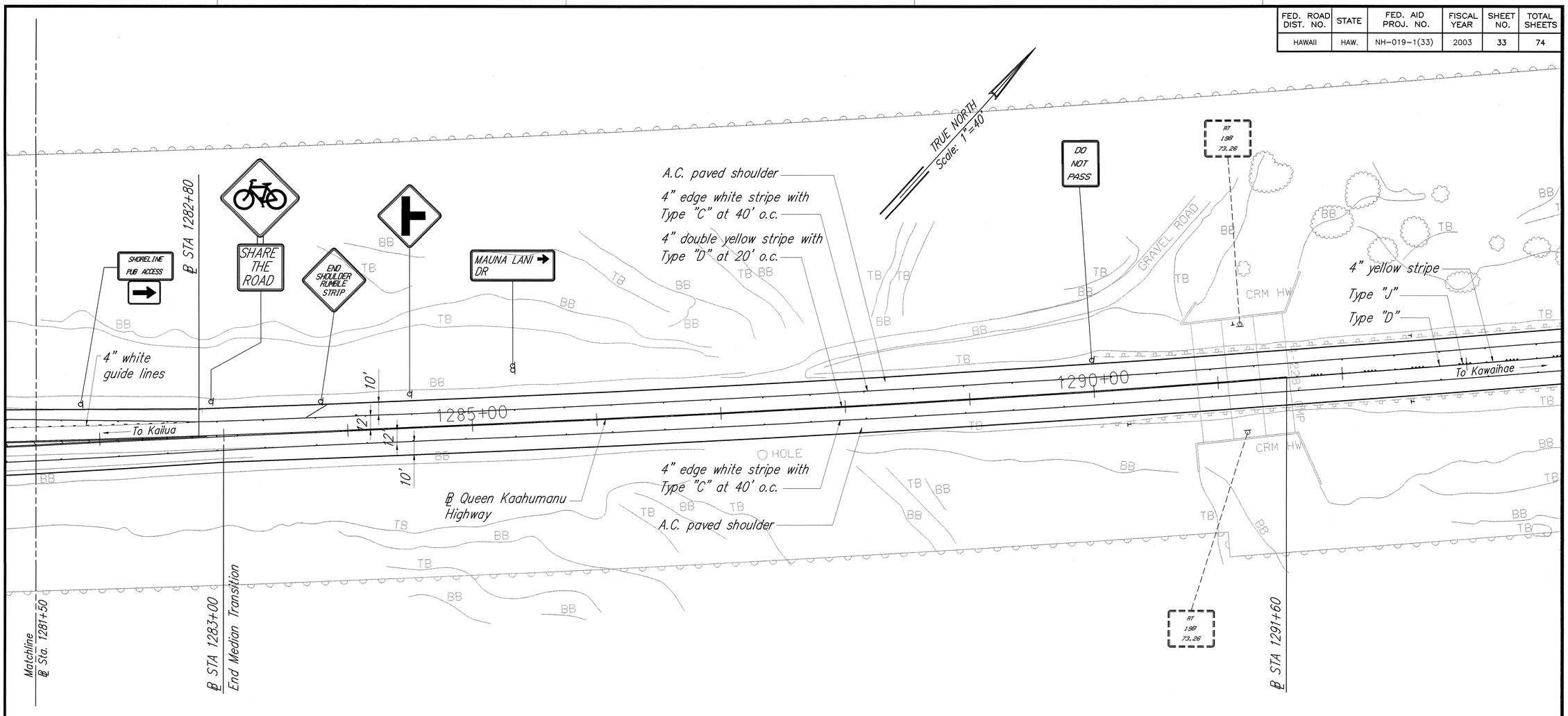
MAUNA LANI DRIVE INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-30 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	33	74



℄ Curve Data	
Δ	19°07'00"
Δ/2	9°33'30"
R	22,699.84'
T	3822.41'
C	7538.69'
Lc	7573.77'

MAUNA LANI DRIVE INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MAUNA LANI DRIVE INTERSECTION
PARTIAL PLAN – 3
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

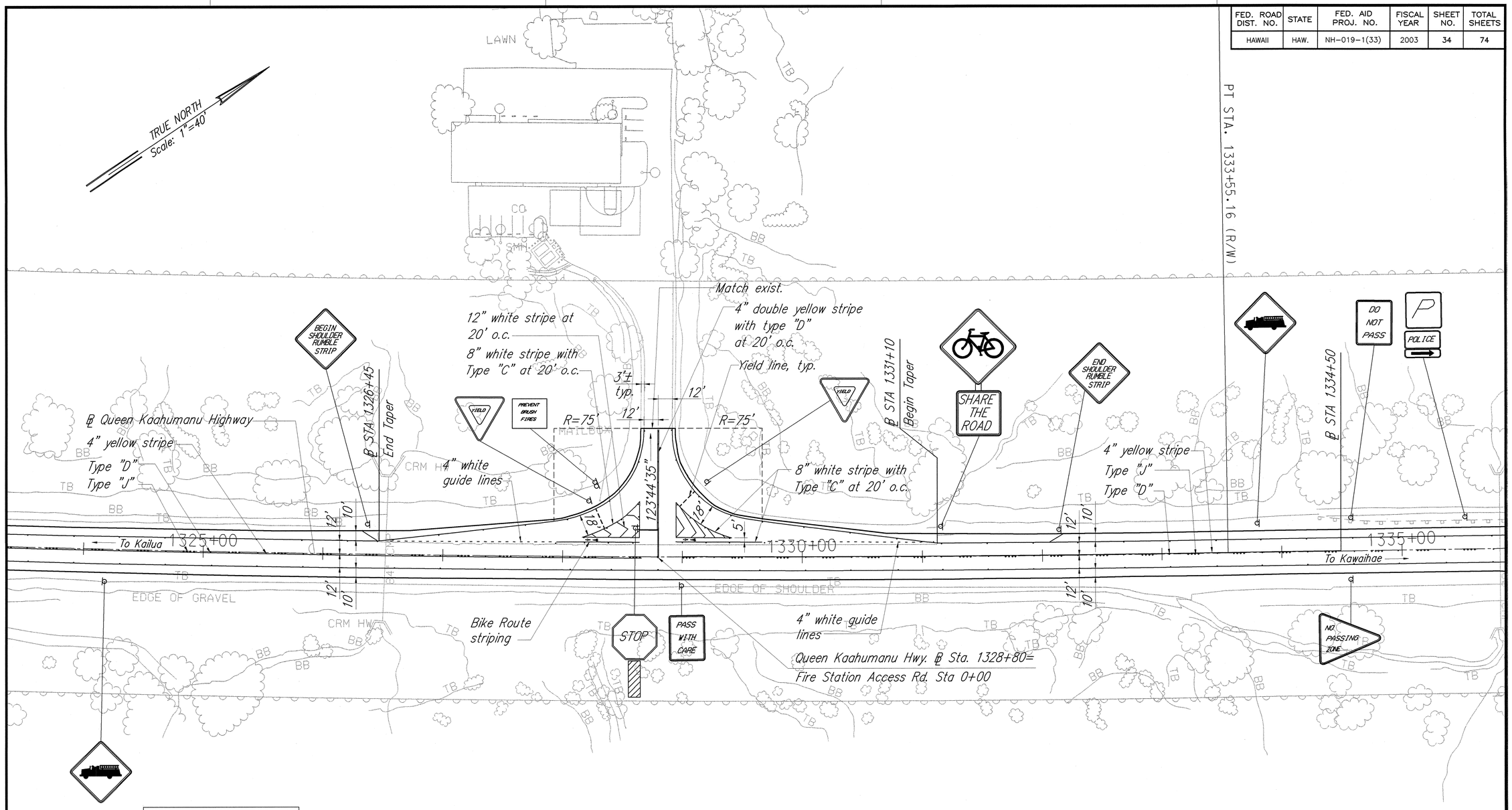
Scale: As Noted Date: March 2003

SHEET No. C-31 OF 68 SHEETS

SURVEY PLOTTED BY		DATE
DRAWN BY	E. UN	3/03
PLOTTED BY	"	3/03
DESIGNED BY	C. MCDONALD	3/03
QUANTITIES BY	C. MCDONALD	3/03
CHECKED BY	E. IIDA	3/03

ORIGINAL PLAN
NOTE BOOK
No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	34	74



℄ Curve Data	
Δ	19°07'00"
Δ/2	9°33'30"
R	22,699.84'
T	3822.41'
C	7538.69'
Lc	7573.77'

FIRE STATION INTERSECTION – PARTIAL PLAN

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FIRE STATION INTERSECTION
PARTIAL PLAN

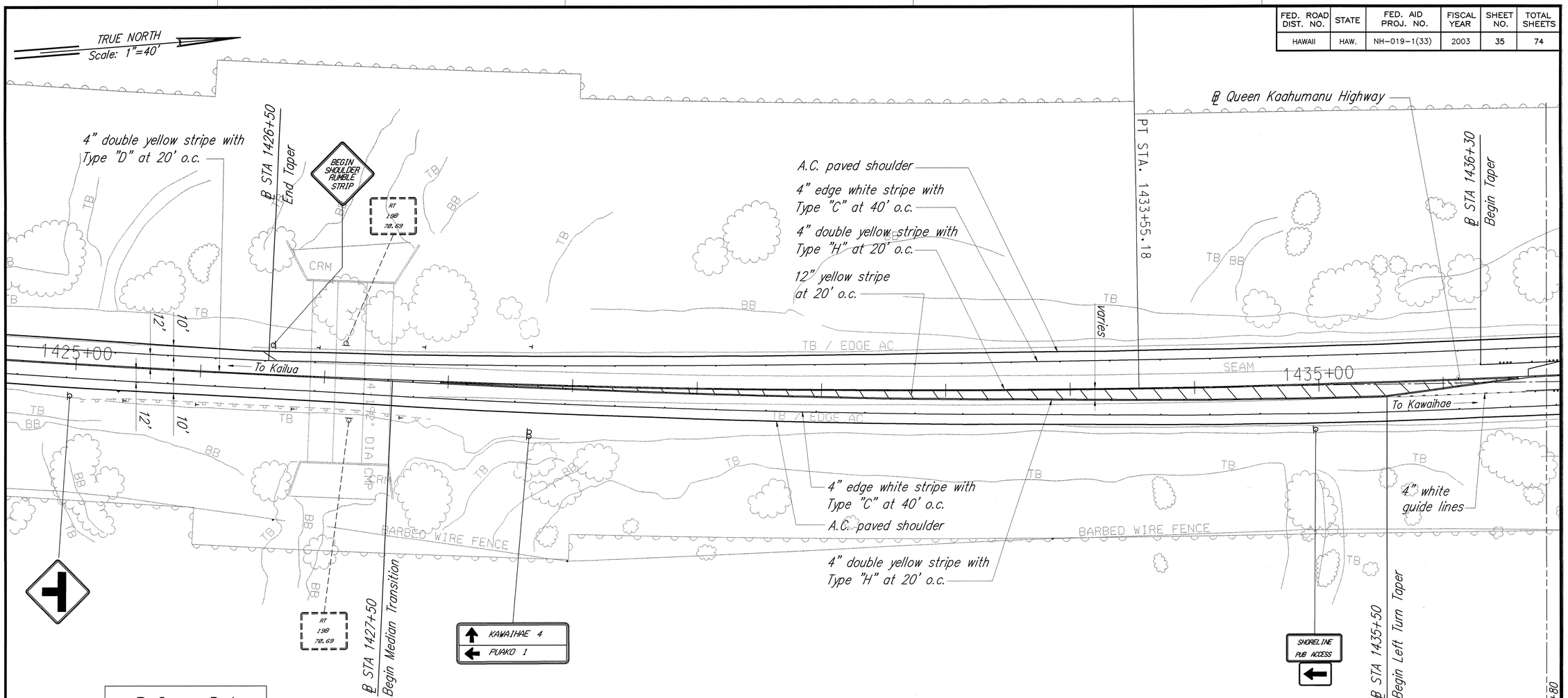
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-32 OF 68 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY S. UN	3/03
	TRACED BY " "	"
NOTE BOOK	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	35	74



℄ Curve Data	
Δ	7°51'50"
Δ/2	3°55'55"
R	16,499.97'
T	1134.10
C	2262.86'
Lc	2264.63'

PUAKO ROAD INTERSECTION – PARTIAL PLAN 1

Scale: 1"=40'

ORIGINAL PLAN		
	SURVEY PLOTTED BY	DATE
	DRAWN BY G.M.	3/03
NOTE BOOK	TRACED BY "	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'

SCALE: 1"= 40'

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

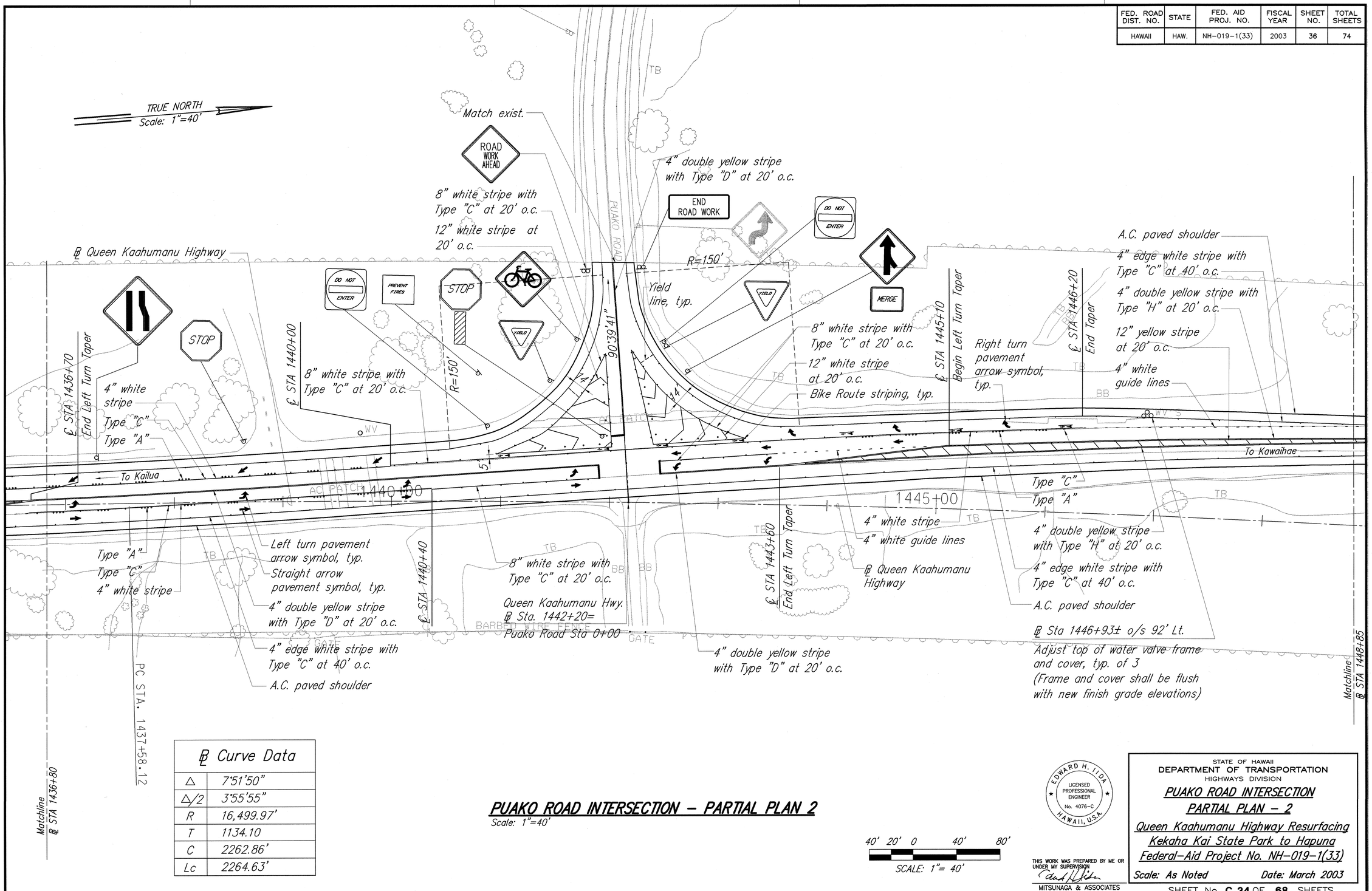
PUAKO ROAD INTERSECTION
PARTIAL PLAN – 1

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-33 OF 68 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	36	74



℄ Curve Data	
Δ	7°51'50"
Δ/2	3°55'55"
R	16,499.97'
T	1134.10
C	2262.86'
Lc	2264.63'

PUAKO ROAD INTERSECTION – PARTIAL PLAN 2

Scale: 1"=40'

40' 20' 0 40' 80'

SCALE: 1"= 40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY E. JW	3/03
	TRACED BY "	3/03
NOTE BOOK	DESIGNED BY S. MCDONALD	3/03
	QUANTITIES BY S. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

EDWARD H. IIDA LICENSED PROFESSIONAL ENGINEER No. 4076-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

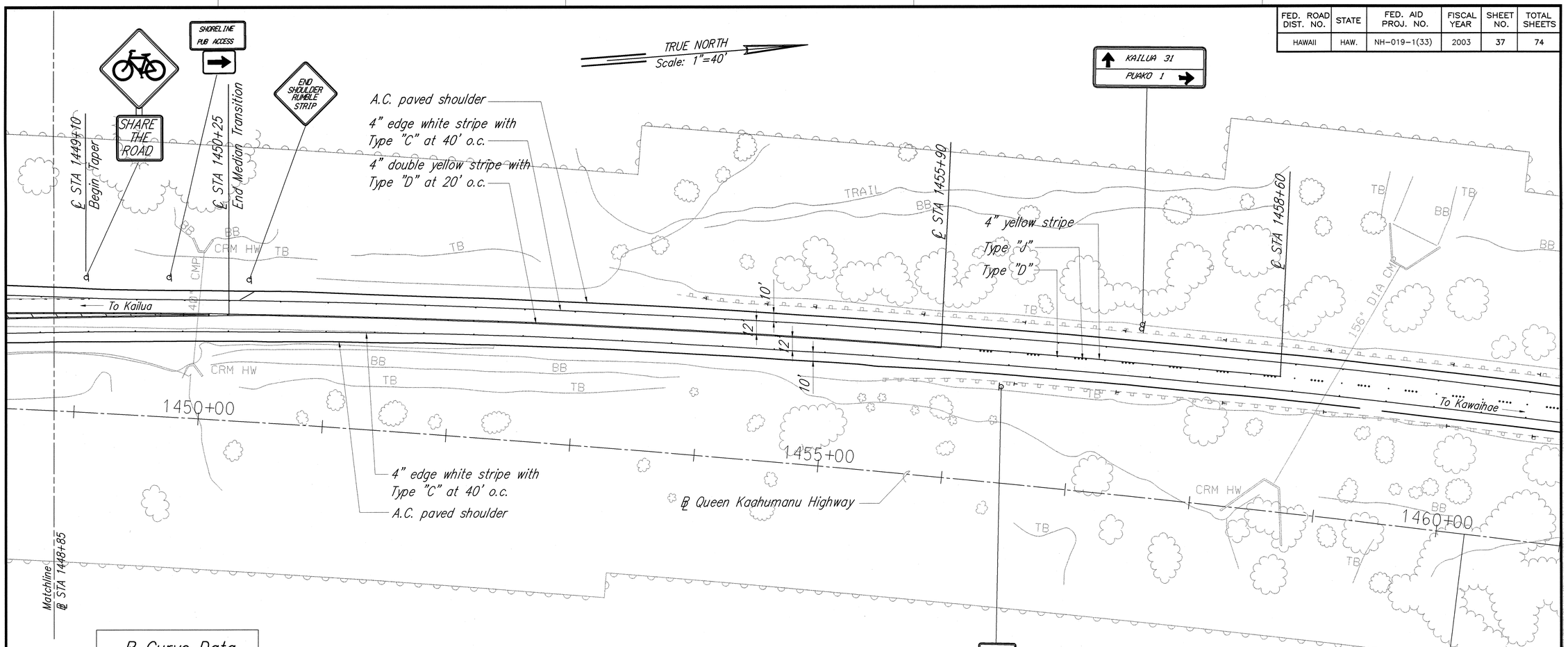
PUAKO ROAD INTERSECTION
PARTIAL PLAN – 2

Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. **C-34** OF **68** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	37	74



Note:
℄ Sta 1491+37± o/s 130' Lt.
Adjust top of water valve frame and cover (frame and cover shall be flush with new finish grade elevation).

℄ Curve Data	
Δ	7°51'50"
Δ/2	3°55'55"
R	16,499.97'
T	1134.10
C	2262.86'
Lc	2264.63'

PUAKO ROAD INTERSECTION – PARTIAL PLAN 3

Scale: 1"=40'

ORIGINAL PLAN		
	SURVEY PLOTTED BY	DATE
	DRAWN BY E. UN	3/03
NOTE BOOK	PLOTTED BY "	"
	DESIGNED BY C. MCDONALD	3/03
	QUANTITIES BY C. MCDONALD	3/03
No.	CHECKED BY E. IIDA	3/03

40' 20' 0 40' 80'
SCALE: 1"= 40'

EDWARD H. IIDA
LICENSED PROFESSIONAL ENGINEER
No. 4076-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PUAKO ROAD INTERSECTION
PARTIAL PLAN – 3
Queen Kaahumanu Highway Resurfacing
Kekaha Kai State Park to Hapuna
Federal-Aid Project No. NH-019-1(33)

Scale: As Noted Date: March 2003

SHEET No. C-35 OF 68 SHEETS