

20' Clear Zone

6' Shoulder

8' Gutter

4' 4'

2% 5%

6:1 6:1

2:1 Cut Slope

5' Rounding

Hydromulch Slope

ES

R/W

existing grade

Grade to Drain

See Superelevation Diagram

See Enlargement A on this sheet

Type 61618 Conc. Gutter

6" Class A Concrete with #3 Bars @ 12" O.C. Each Way

12" Aggregate Subbase Course

4.5" A.C. Pav't., Mix No. IV

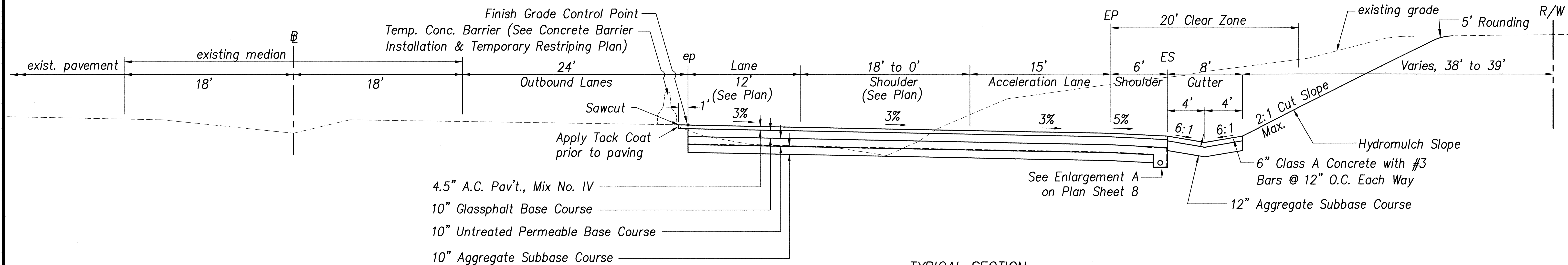
10" Glassphalt Base Course

10" Untreated Permeable Base Course

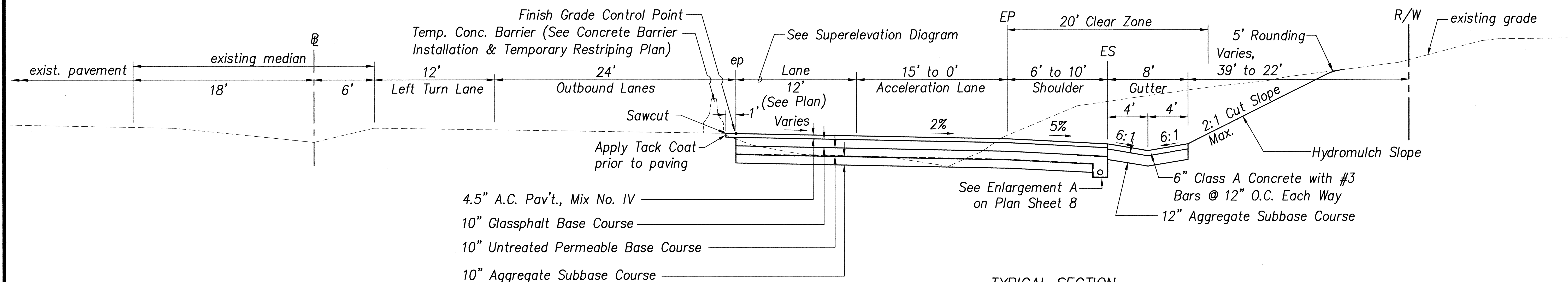
10" Aggregate Subbase Course



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	9	127

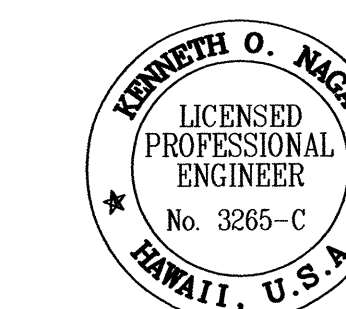


TYPICAL SECTION
FORT WEAVER ROAD – OUTBOUND
STA. 99+86.24 to STA. 103+90.61
 Scale: 1" = 5'



TYPICAL SECTION
FORT WEAVER ROAD – OUTBOUND
STA. 103+90.61 to STA. 107+16.89
 Scale: 1" = 5'

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
CHECKED BY	
NO.	

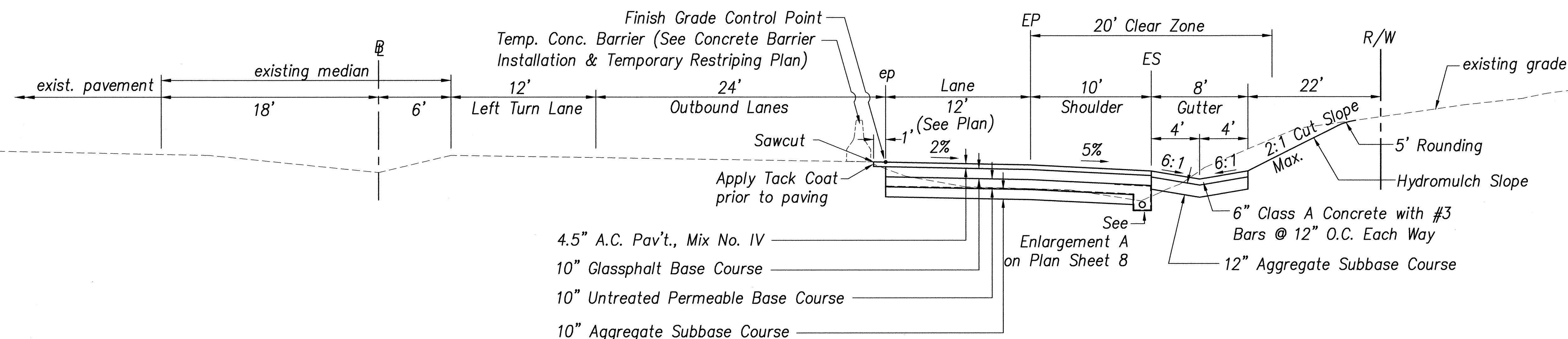


APRIL 30, 2004
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

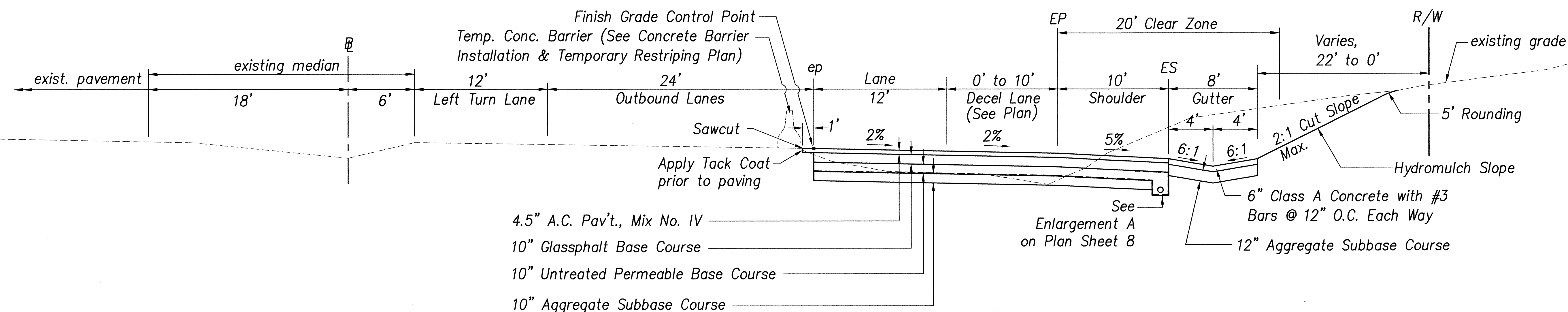
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
FORT WEAVER ROAD – OUTBOUND
FORT WEAVER ROAD WIDENING
NEAR LAULAUNUI STREET
FEDERAL AID PROJECT NO. CMAQ-076-1(8)
SCALE: AS NOTED **DATE: October 2003**
SHEET No. 2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	10	127

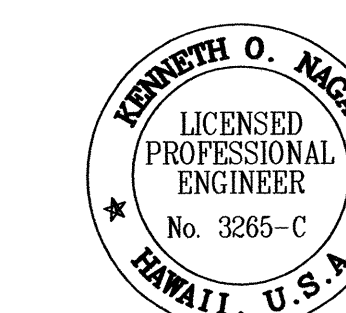


TYPICAL SECTION
FORT WEAVER ROAD - OUTBOUND
STA. 107+16.89 to STA. 107+57
 Scale: 1" = 5'



TYPICAL SECTION
FORT WEAVER ROAD - OUTBOUND
STA. 107+57 to STA. 111+99.75
 Scale: 1" = 5'

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

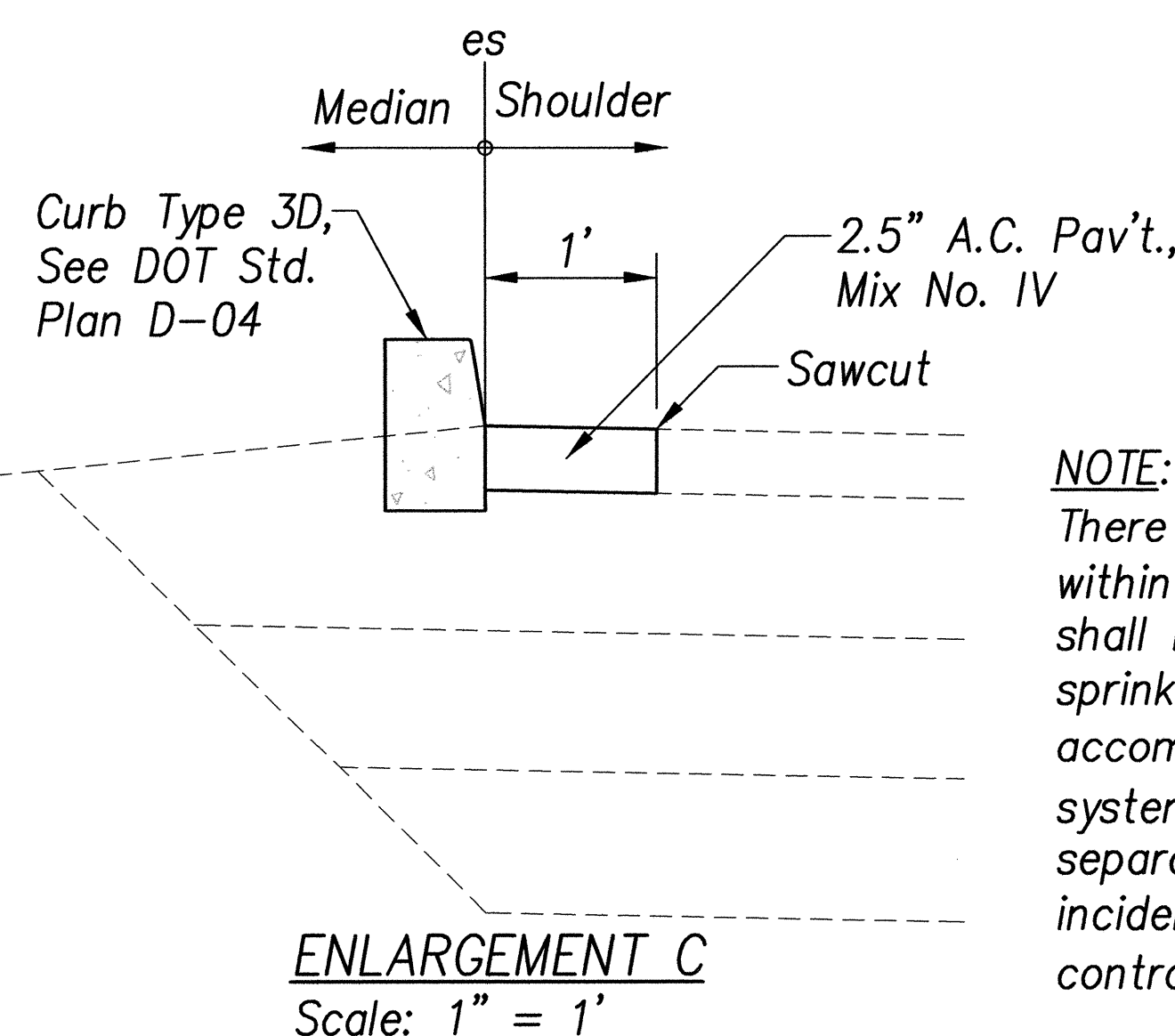
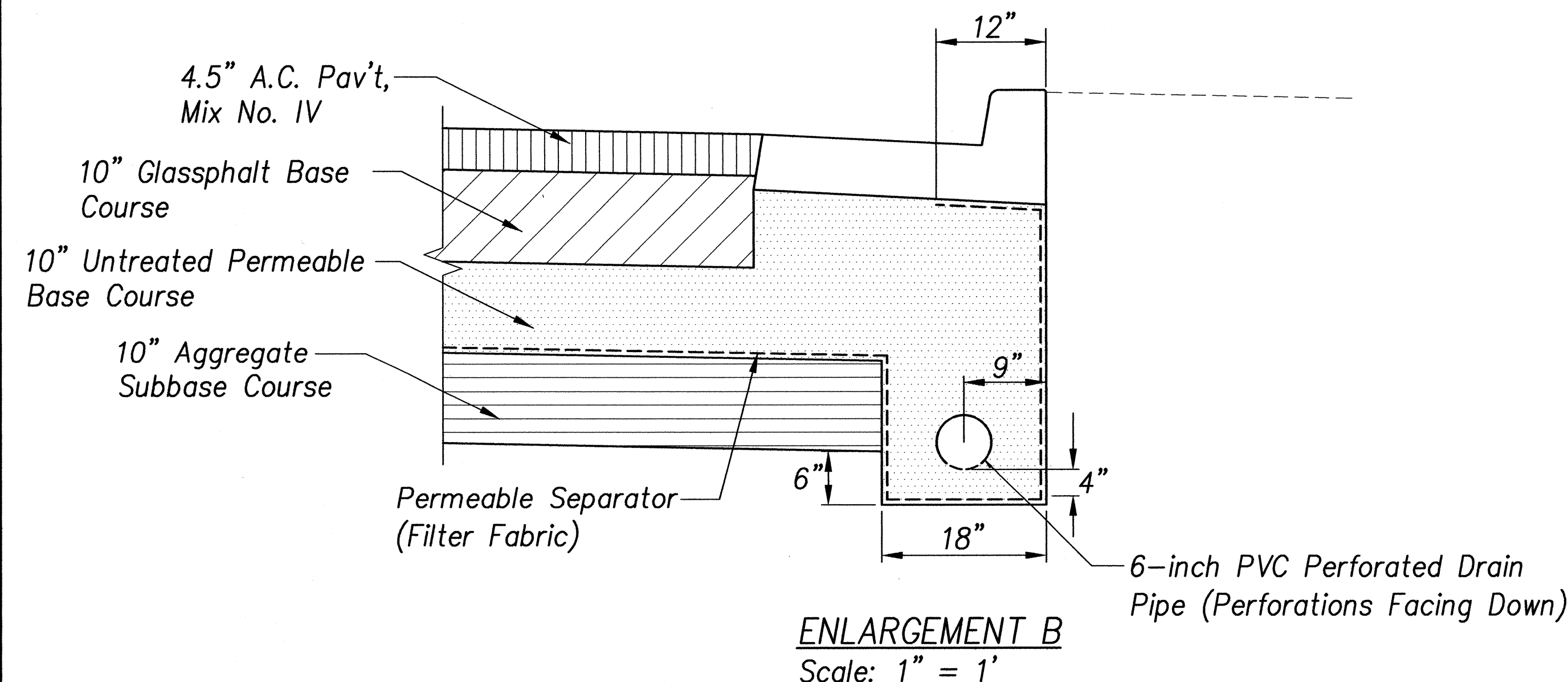
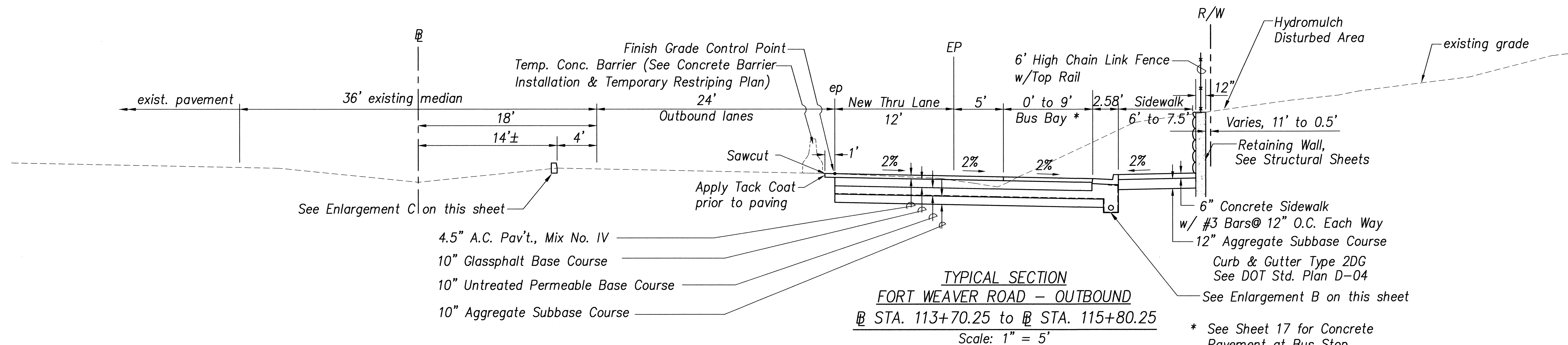
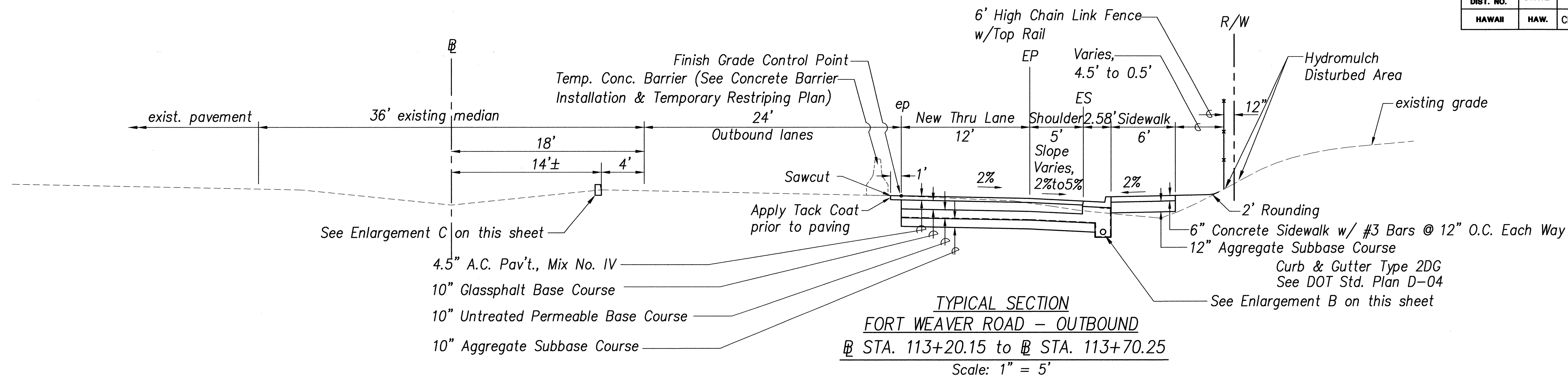


Kenneth O. Nagai
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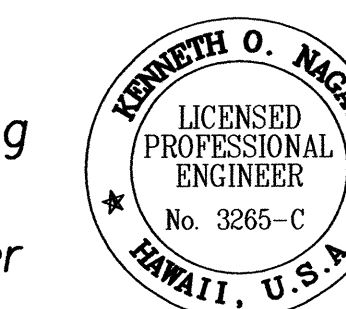
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
FORT WEAVER ROAD - OUTBOUND
FORT WEAVER ROAD WIDENING
NEAR LAULAUNUI STREET
FEDERAL AID PROJECT NO. CMAQ-076-1(8)
 SCALE: AS NOTED DATE: October 2003
SHEET No. 3 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	11	127



NOTE:
 There are existing sprinkler systems within the median. The Contractor shall relocate and adjust the existing sprinkler system as required to accommodate the new work. Sprinkler system work will not be paid for separately but will be considered incidental to the various contract items.



Signature: *[Signature]*
APRIL 30, 2004
 EXPIRATION DATE OF LICENSE
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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS

FORT WEAVER ROAD – OUTBOUND

FORT WEAVER ROAD WIDENING

NEAR LAULAUNUI STREET

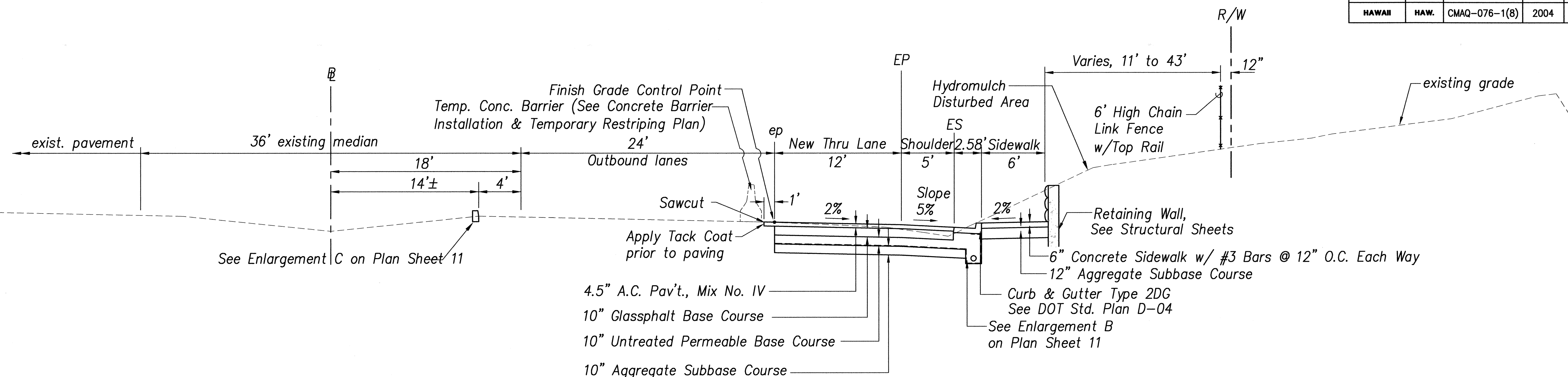
FEDERAL AID PROJECT NO. CMAQ-076-1(8)

SCALE: AS NOTED

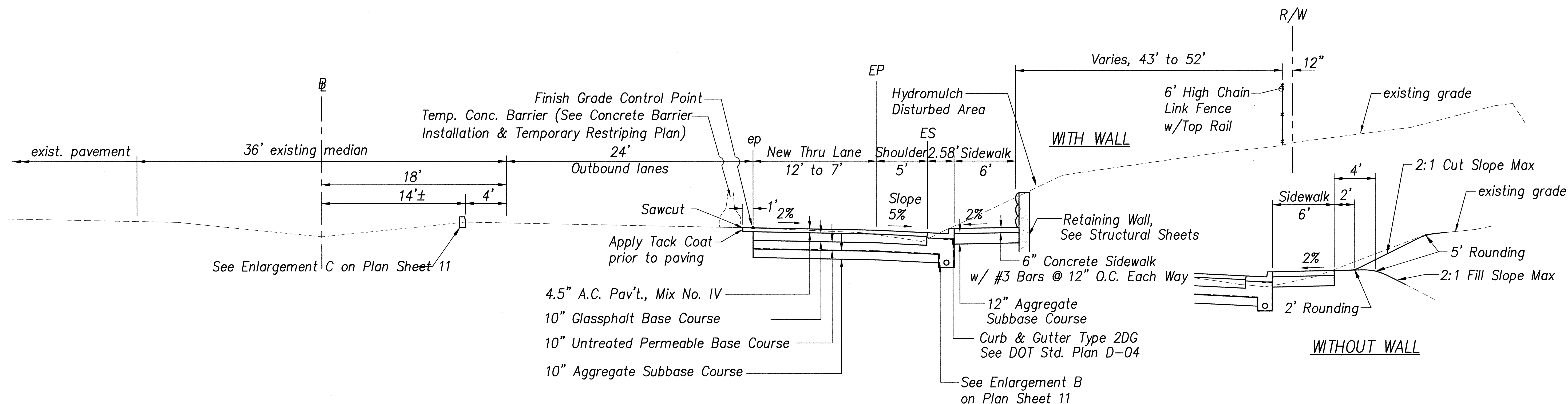
DATE: October 2003

SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	12	127

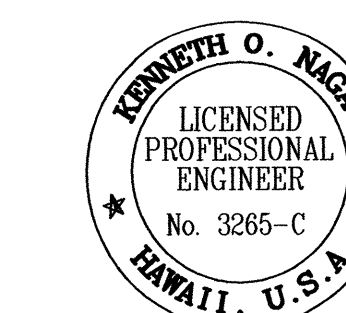


TYPICAL SECTION
FORT WEAVER ROAD - OUTBOUND
STA. 115+80.25 to STA. 120+65
 Scale: 1" = 5'



TYPICAL SECTION
FORT WEAVER ROAD - OUTBOUND
STA. 120+65 to STA. 123+80
 Scale: 1" = 5'

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

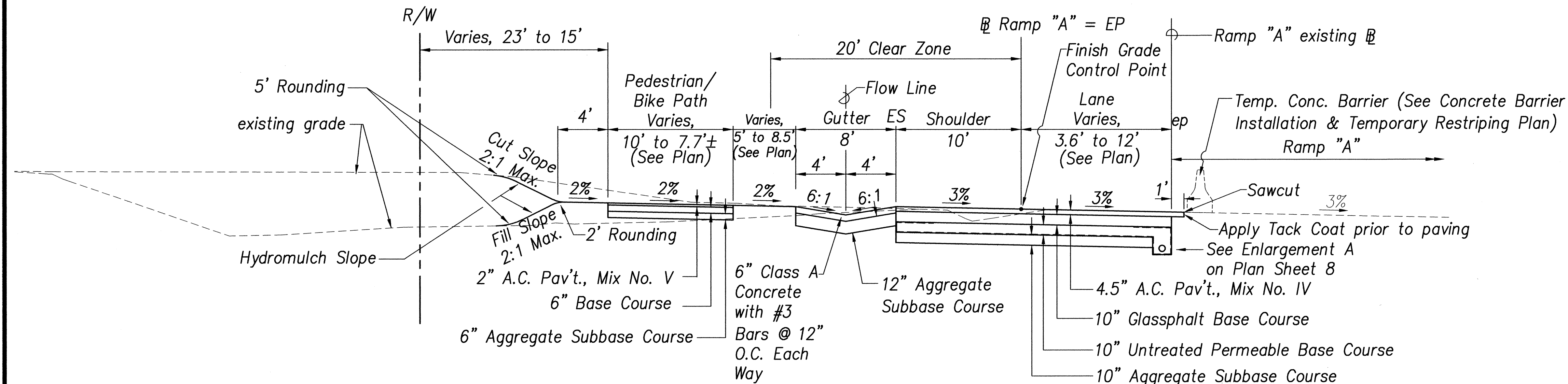


APRIL 30, 2004
 EXPIRATION DATE OF LICENSE
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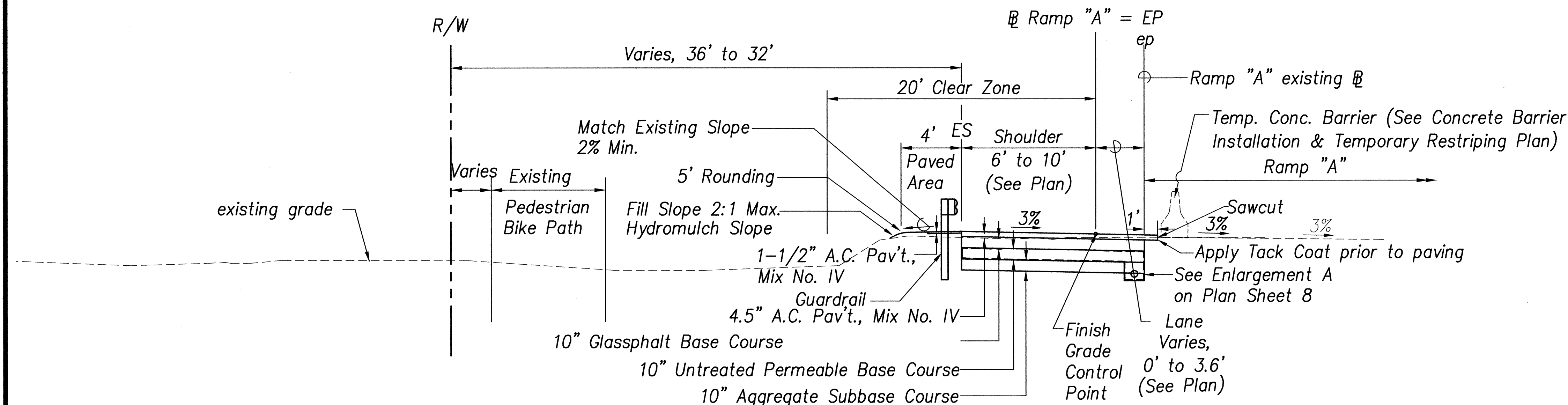
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
FORT WEAVER ROAD - OUTBOUND
FORT WEAVER ROAD WIDENING
NEAR LAULAUNUI STREET
FEDERAL AID PROJECT NO. CMAQ-076-1(8)
SCALE: AS NOTED **DATE: October 2003**
SHEET No. 5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	13	127



TYPICAL SECTION - RAMP "A" INBOUND
NEW STA. 13+00 TO STA. 10+00
Scale: 1" = 5'



TYPICAL SECTION - RAMP "A" INBOUND
NEW STA. 14+59 TO STA. 13+00
Scale: 1" = 5'

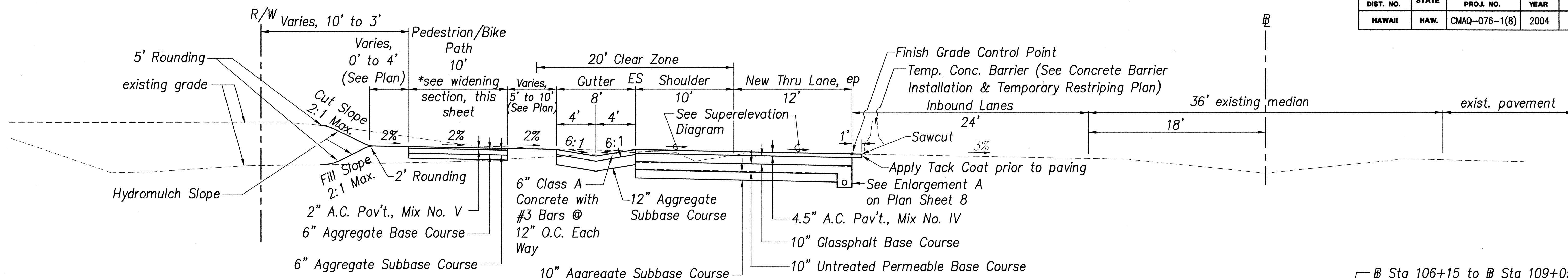
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
No.		

KENNETH O. NAGAI
LICENSED PROFESSIONAL ENGINEER
No. 3265-C
HAWAII, U.S.A.
APRIL 30, 2004
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

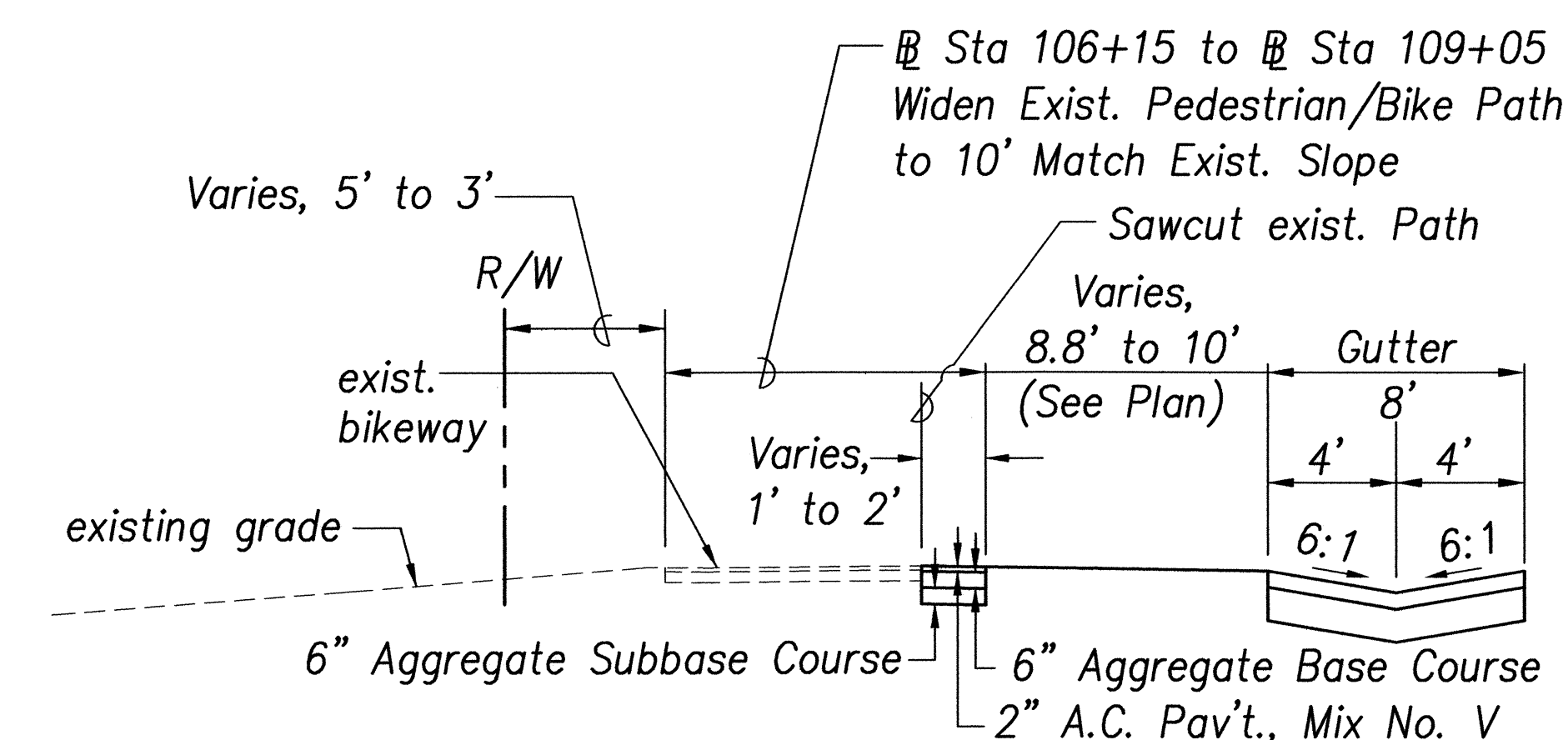
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
RAMP A - INBOUND
FORT WEAVER ROAD WIDENING
NEAR LAULAUNUI STREET
FEDERAL AID PROJECT NO. CMAQ-076-1(8)
SCALE: AS NOTED
DATE: October 2003

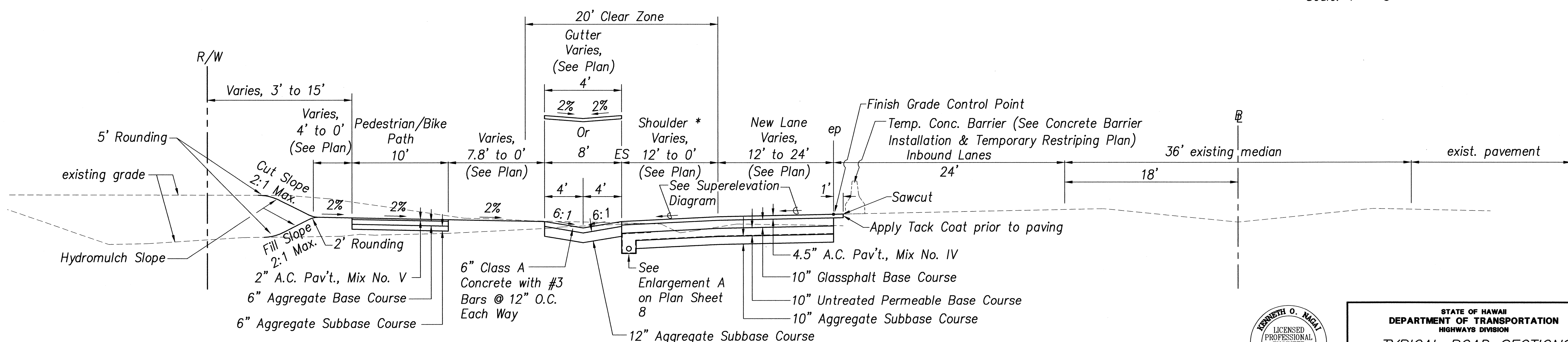
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	14	127



TYPICAL SECTION
FORT WEAVER ROAD – INBOUND
STA. 103+05.43 to # STA. 109+44.30
Scale: 1" = 5'



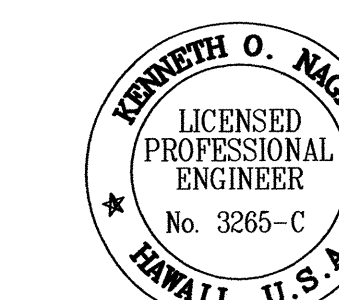
B Sta 106+15 to B Sta 109+05
WIDENING OF EXISTING PEDESTRIAN/BIKE PATH
Scale: 1" = 5'




TYPICAL SECTION
FORT WEAVER ROAD – INBOUND
@ STA. 109+44.30 to @ STA. 111+57.38
Scale: 1" = 5'

* See Sheet 17 for detail of bus pad

ORIGINAL PLAIN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
to _____	CHECKED BY _____




SIGNATURE

APRIL 30, 2004
EXPIRATION DATE OF LICENSE

THIS WORK WAS PREPARED BY M
UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
FORT WEAVER ROAD - INBOUND

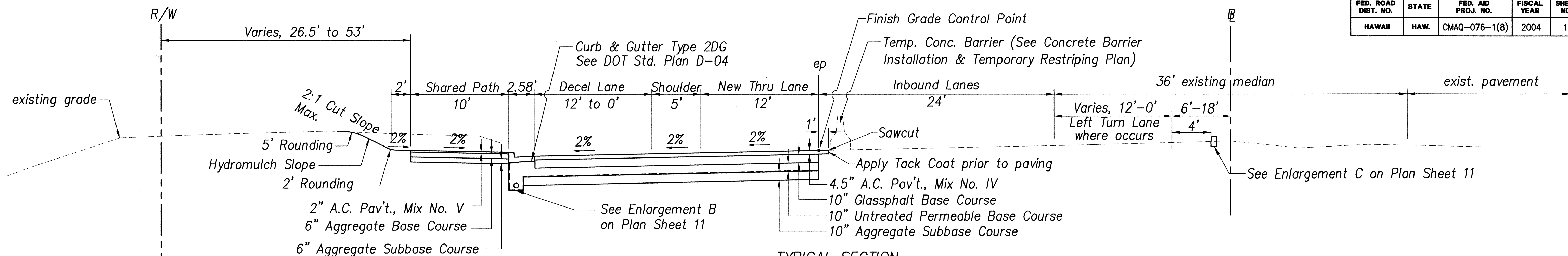
FORT WEAVER ROAD WIDENING
NEAR LAULAUNUI STREET

FEDERAL AID PROJECT NO. CMAQ-076-1(8)

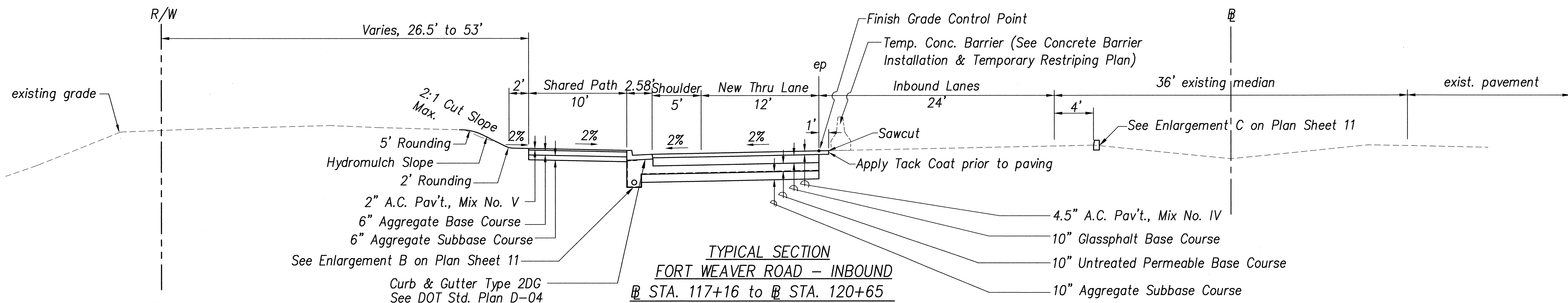
SCALE: AS NOTED DATE: October 2003

SHEET No. 7 OF 8 SHEETS

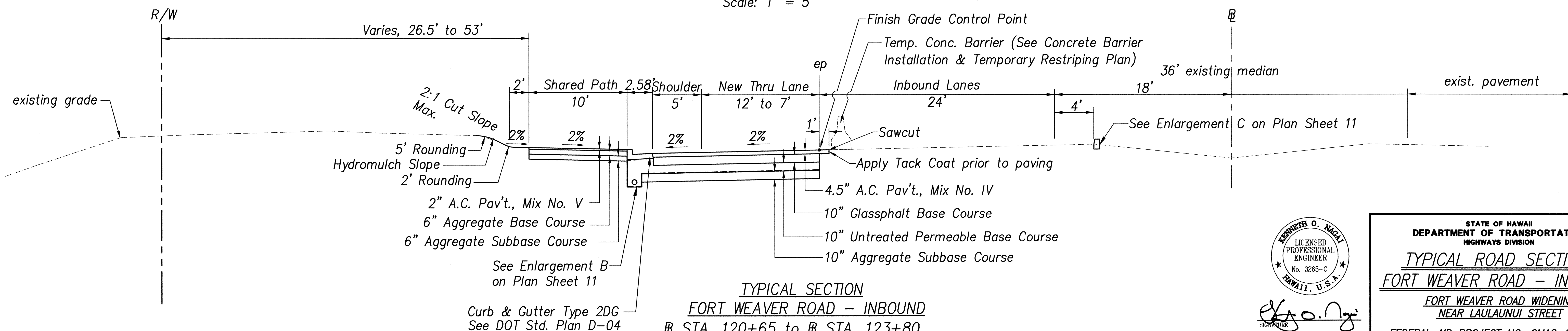
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-076-1(8)	2004	15	127



TYPICAL SECTION
FORT WEAVER ROAD - INBOUND
 STA. 113+21.72 to STA. 117+16
 Scale: 1" = 5'

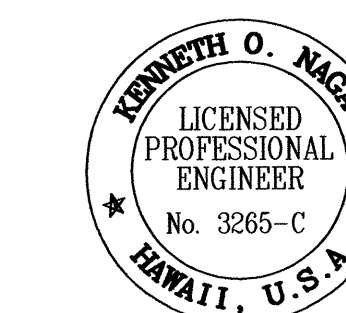


TYPICAL SECTION
FORT WEAVER ROAD - INBOUND
 STA. 117+16 to STA. 120+65
 Scale: 1" = 5'



TYPICAL SECTION
FORT WEAVER ROAD - INBOUND
 STA. 120+65 to STA. 123+80
 Scale: 1" = 5'

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
CHECKED BY	_____
_____	_____



Kenneth O. Naga
 APRIL 30, 2004
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS
FORT WEAVER ROAD - INBOUND
 FORT WEAVER ROAD WIDENING
 NEAR LAULAUNUI STREET
 FEDERAL AID PROJECT NO. CMAQ-076-1(8)
 SCALE: AS NOTED DATE: October 2003
SHEET No. 8 OF 8 SHEETS