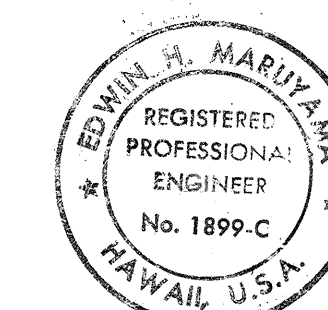
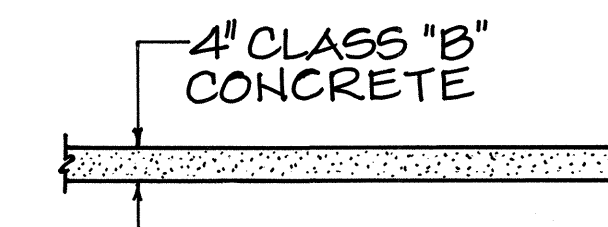
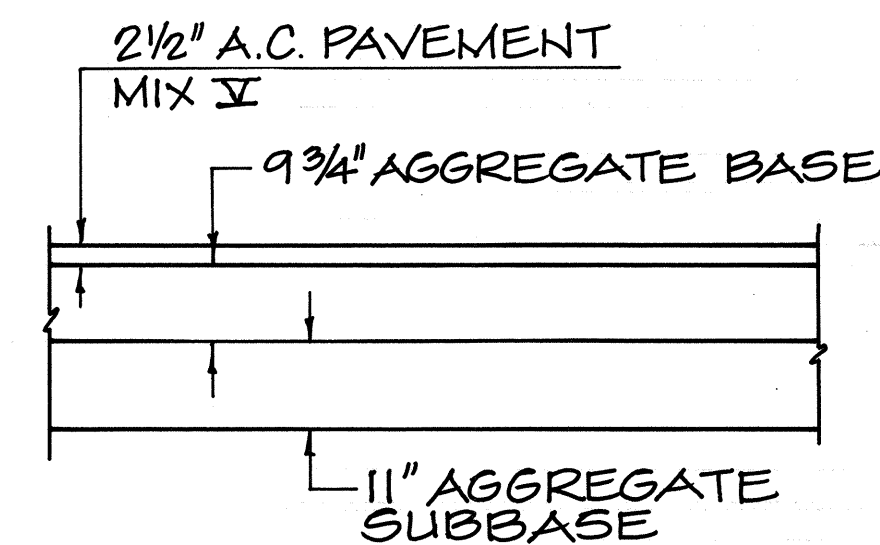
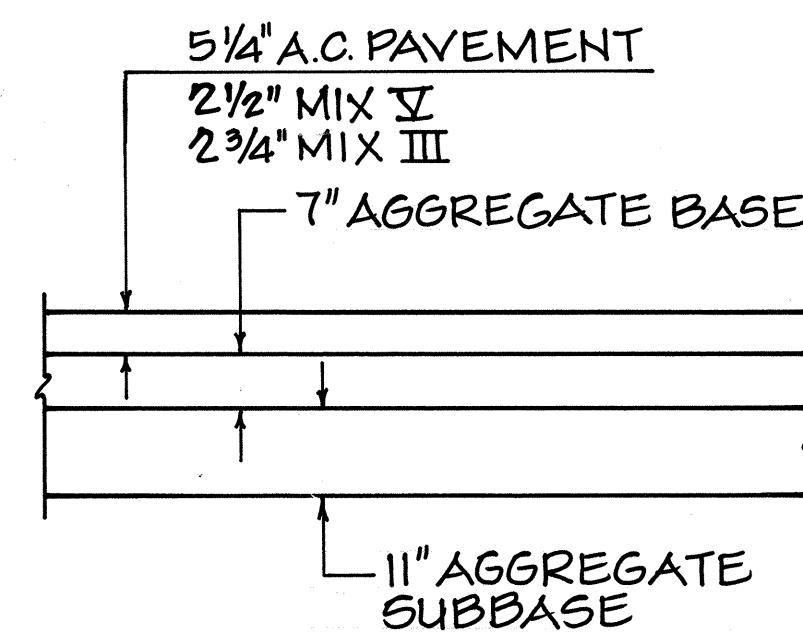
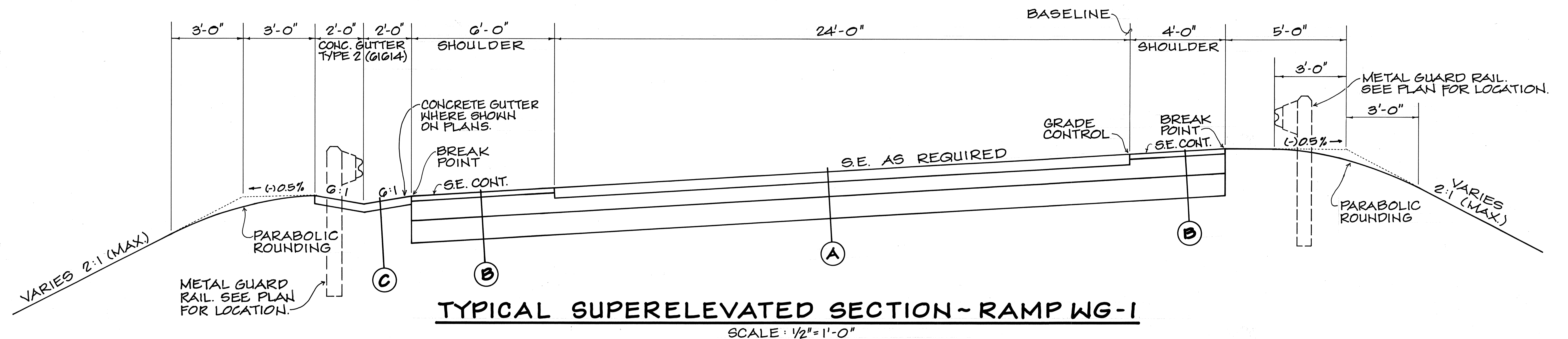
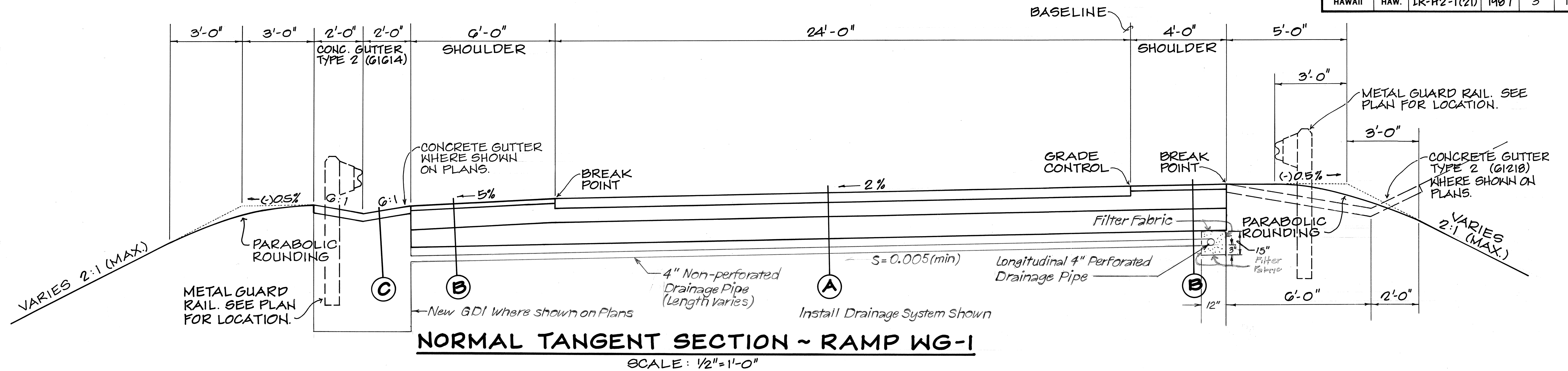


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	3	138



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FUTATA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

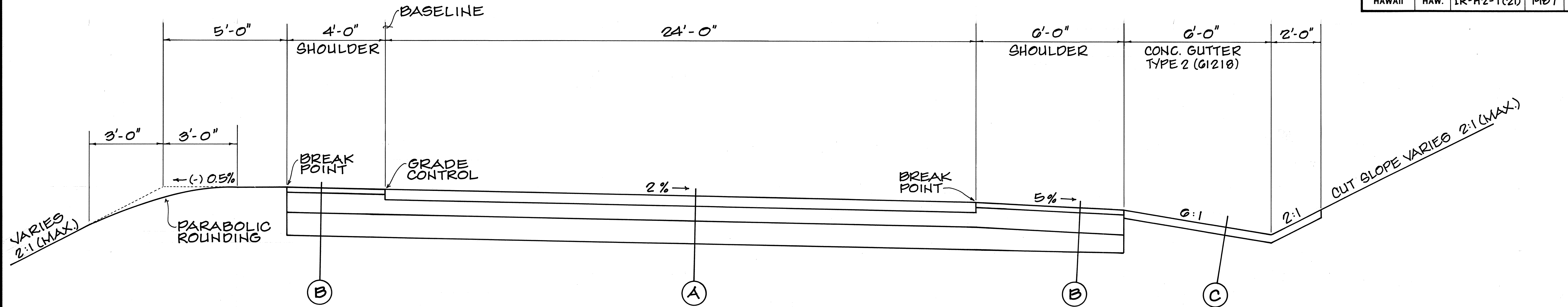
SCALE: AS SHOWN
AUGUST 1986
SHEET NO. 1 OF 8 SHEETS

"AS-BUILT"

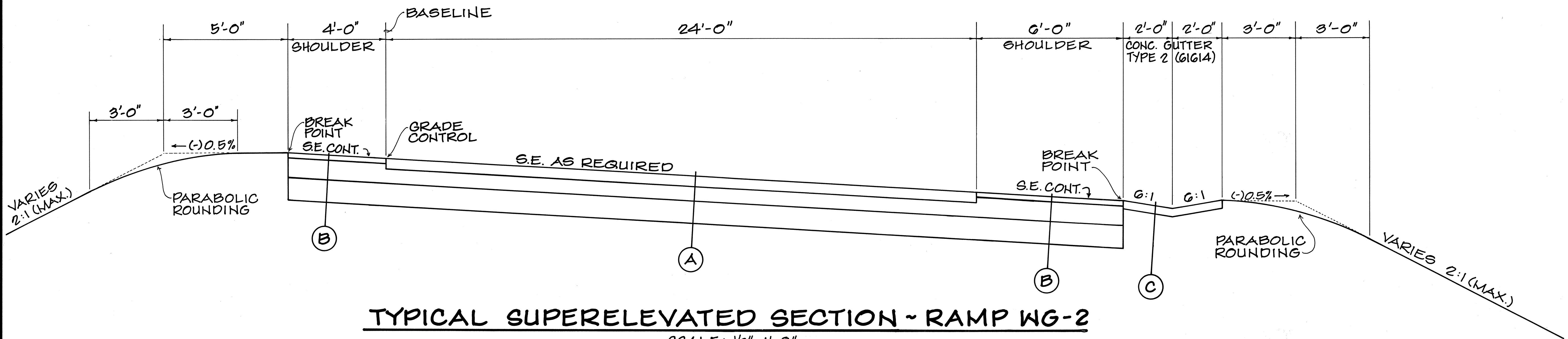
OCTOBER 1987

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	4	138

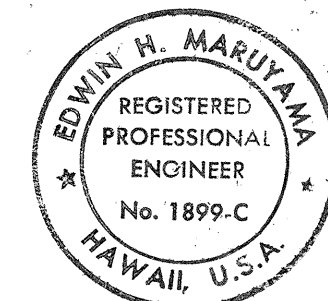


NORMAL TANGENT SECTION ~ RAMP WG-2
SCALE: 1/2" = 1'-0"



TYPICAL SUPERELEVATED SECTION ~ RAMP WG-2
SCALE: 1/2" = 1'-0"

NOTE:
FOR PAVEMENT SECTIONS,
SEE DETAILS, SHEET 1 OF 8.



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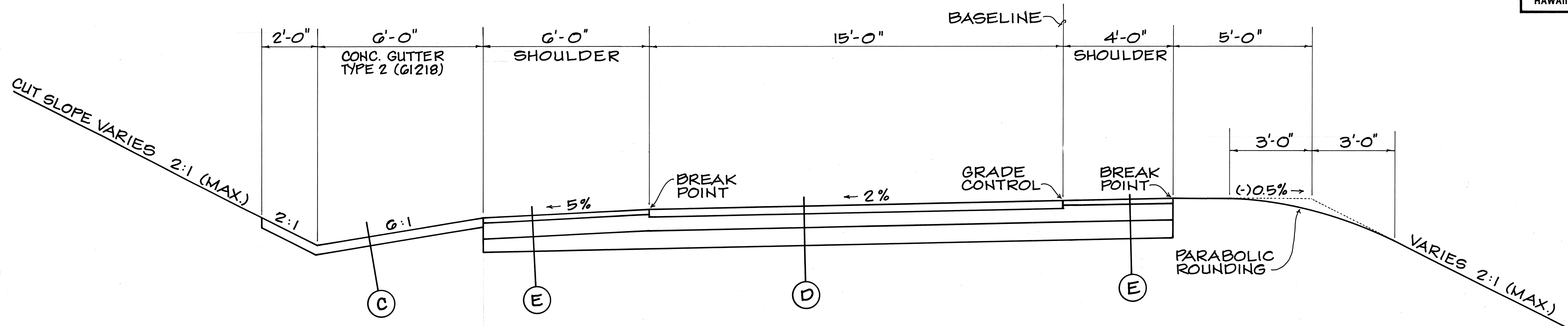
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

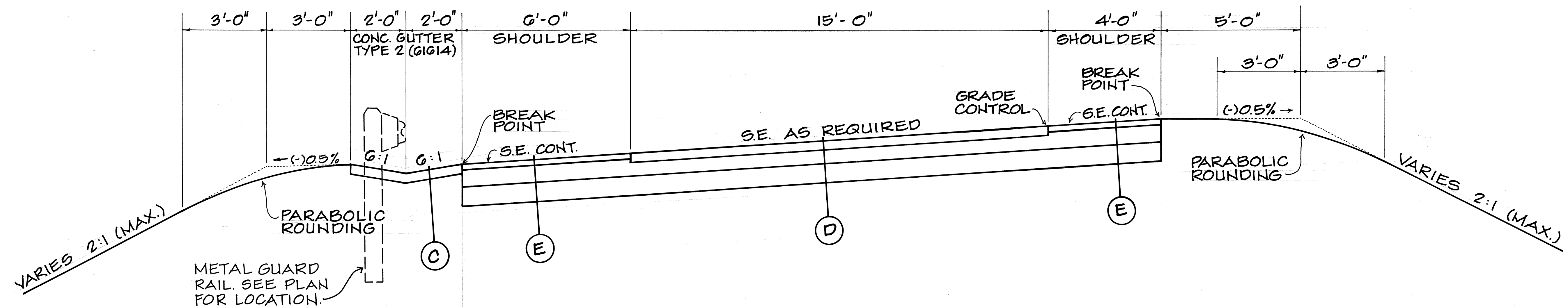
SCALE: AS SHOWN
AUGUST 1986
SHEET NO. 2 OF 8 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____

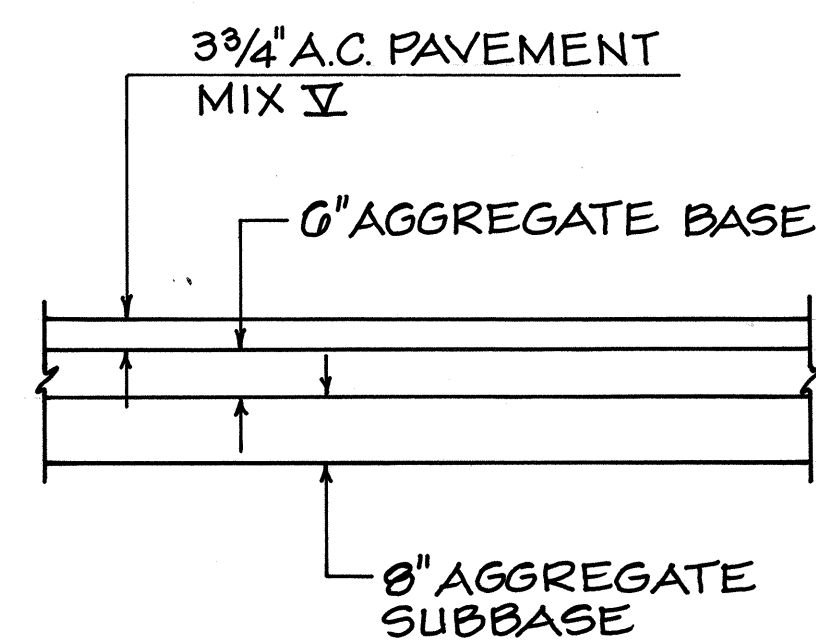
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	5	138



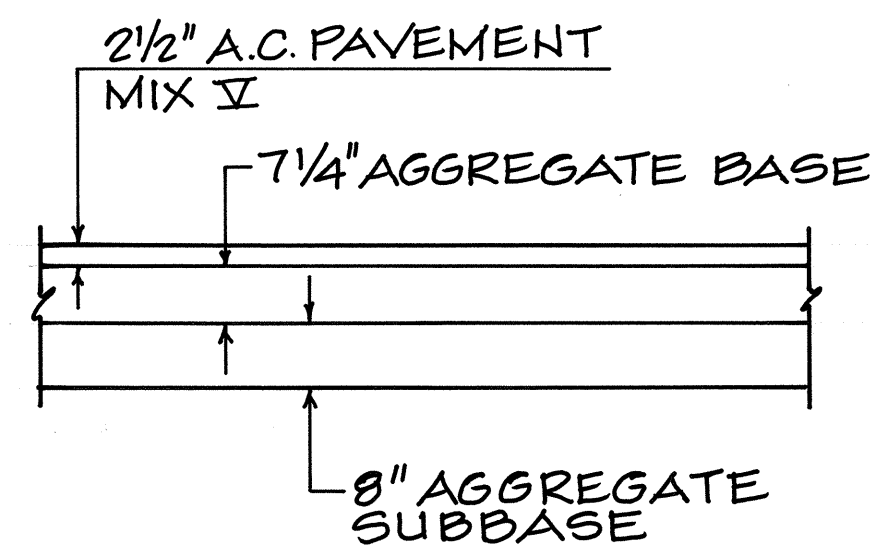
NORMAL TANGENT SECTION ~ RAMP WG-3
SCALE: $\frac{1}{2}'' = 1'-0''$



TYPICAL SUPERELEVATED SECTION ~ RAMP WG-3
SCALE: $\frac{1}{2}'' = 1'-0''$

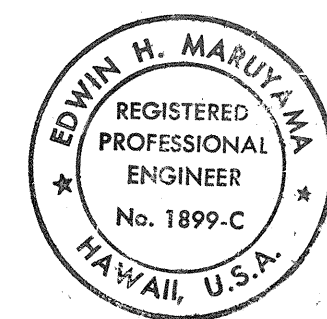


DETAIL D
SCALE: $\frac{1}{2}'' = 1'-0''$



DETAIL E
SCALE: $\frac{1}{2}'' = 1'-0''$

- NOTE:**
1. FOR SWALE SECTIONS, SEE DETAIL, SHEET 1 OF 8.
 2. FOR RAMP WG-3, TYPICAL SECTIONS BEGIN AT STA. 0+24.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

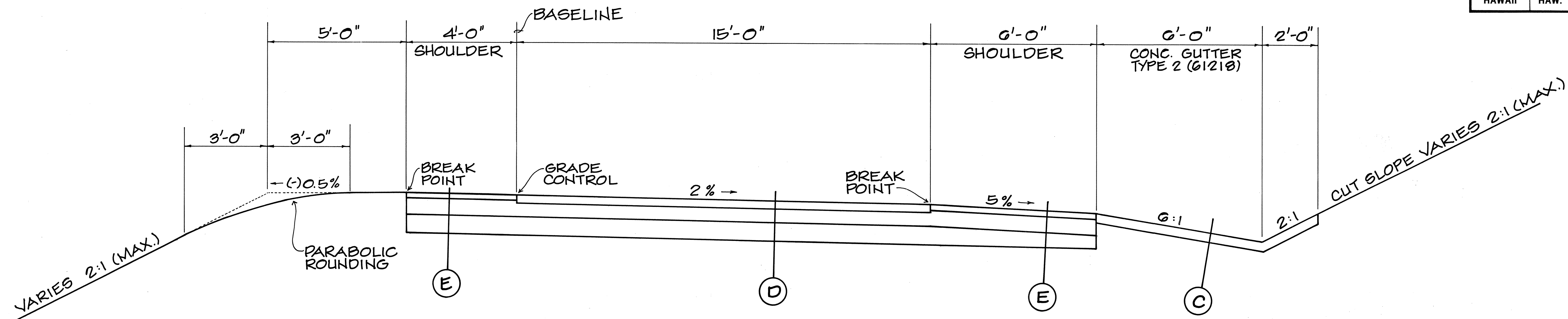
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: AS SHOWN
AUGUST 1986
SHEET No. 3 OF 8 SHEETS

OCTOBER 1987

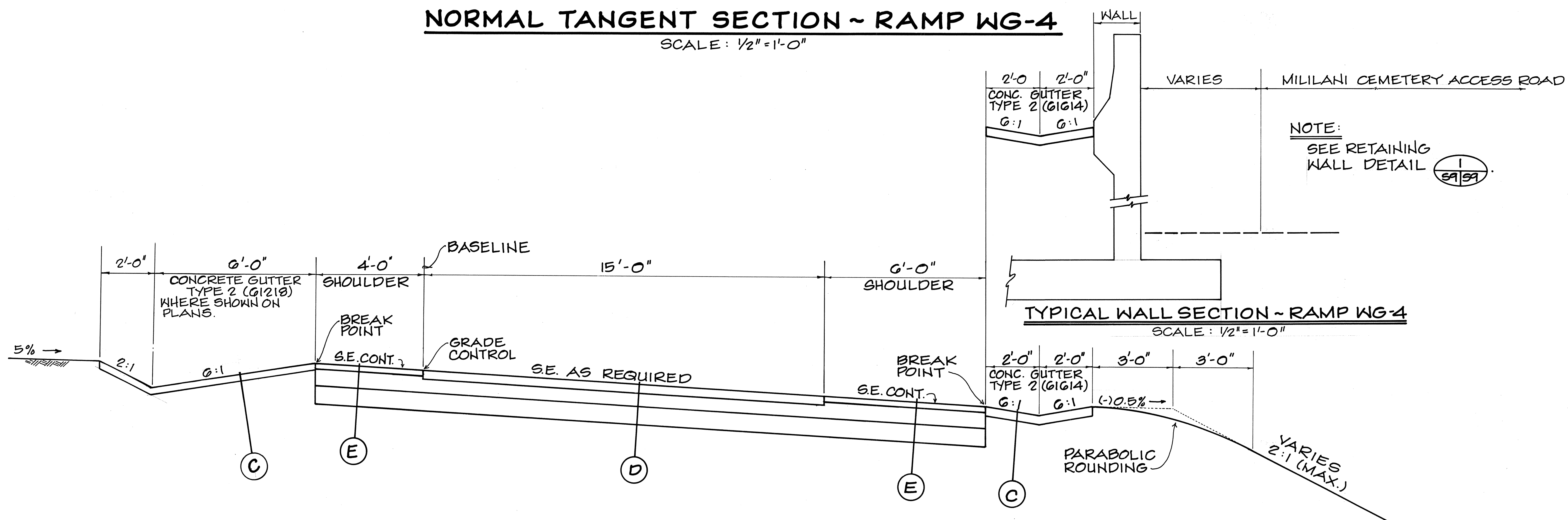
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	6	138



NORMAL TANGENT SECTION ~ RAMP WG-4

SCALE: 1/2" = 1'-0"

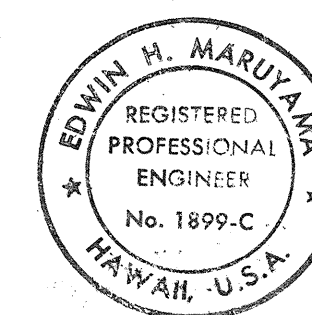


TYPICAL SUPERELEVATED SECTION ~ RAMP WG-4

SCALE: 1/2" = 1'-0"

NOTE:

- 1- FOR PAVEMENT SECTIONS, SEE DETAILS, SHEET 3 OF 8.
- 2- FOR SWALE SECTIONS, SEE DETAIL, SHEET 1 OF 8.
- 3- FOR RAMP WG-4 TYPICAL SECTIONS BEGIN AT STA. 0+24.



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FUTATA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

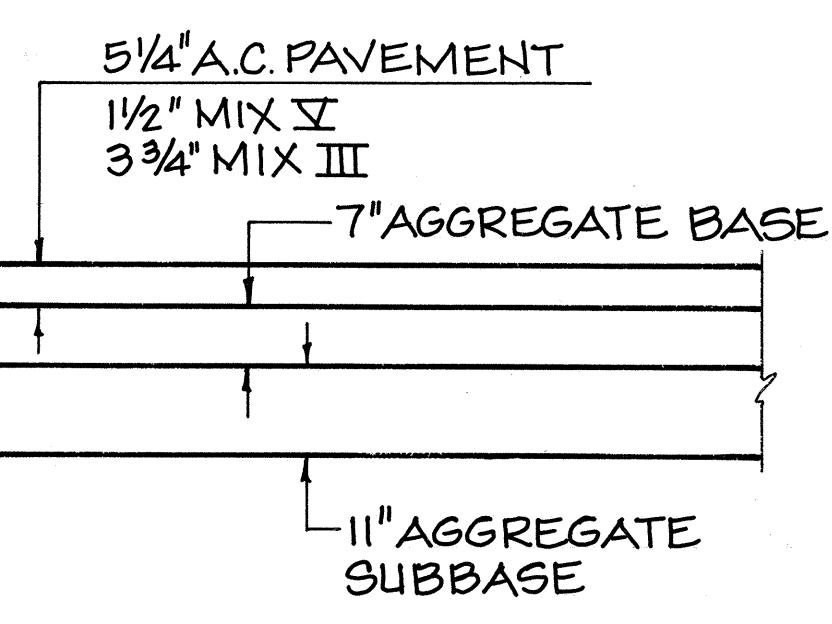
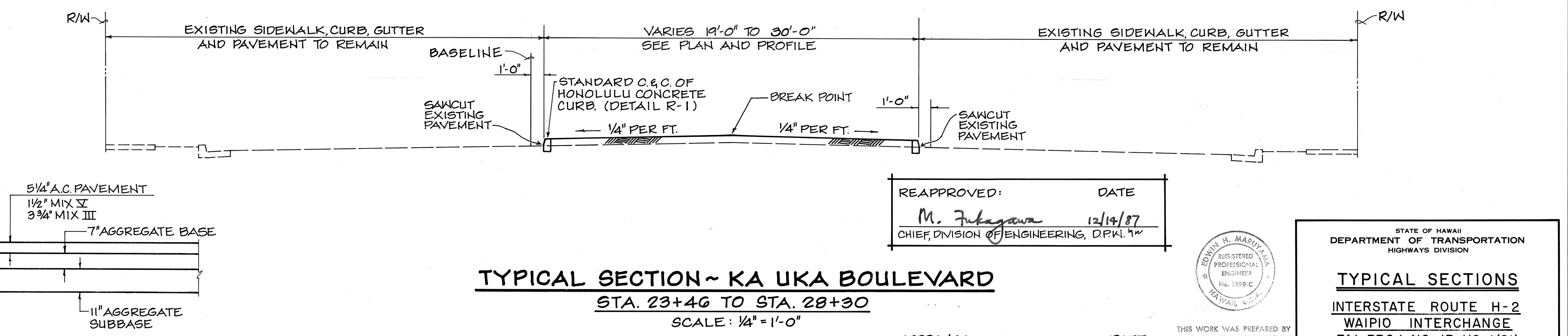
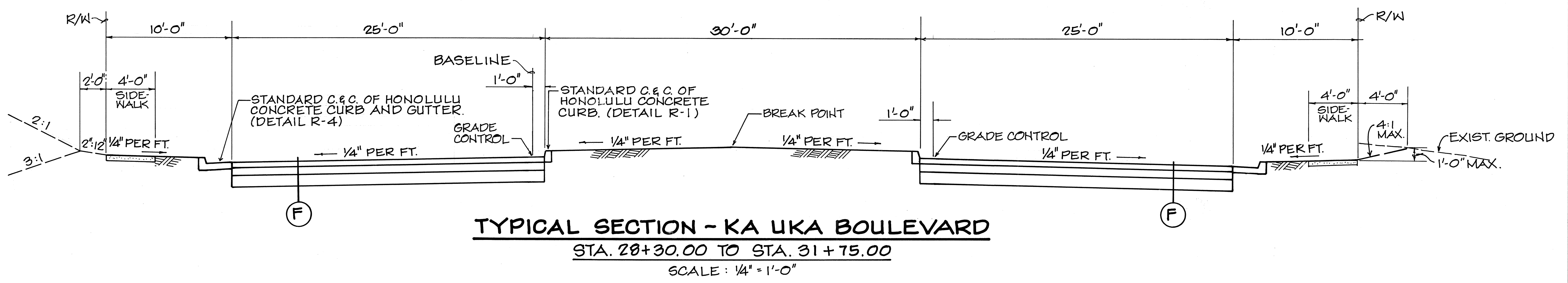
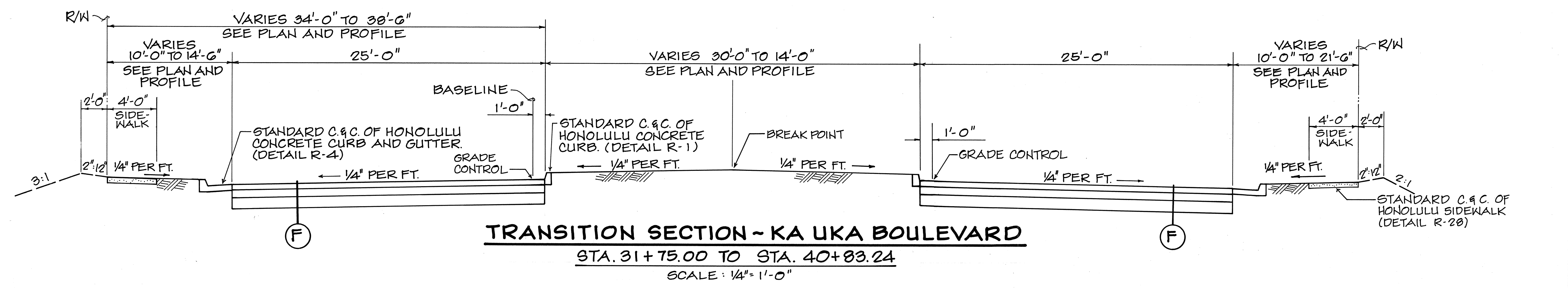
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: AS SHOWN AUGUST 1986
SHEET No. 4 OF 8 SHEETS

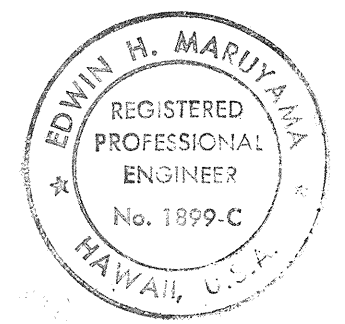
OCTOBER 1987

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	7	138



REAPPROVED: M. Fukagawa 12/14/87
 CHIEF, DIVISION OF ENGINEERING, D.P.W. "H"



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 By: Edwin H. Maruyama
 FUJITA & ASSOCIATES

APPROVED: Edwin H. Maruyama 11/12/86
 CHIEF, DIVISION OF ENGINEERING, D.P.W. "H"

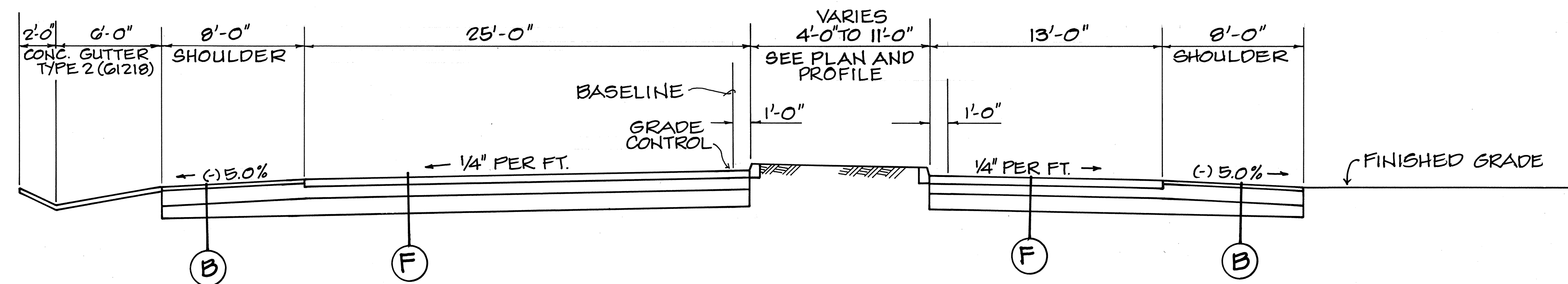
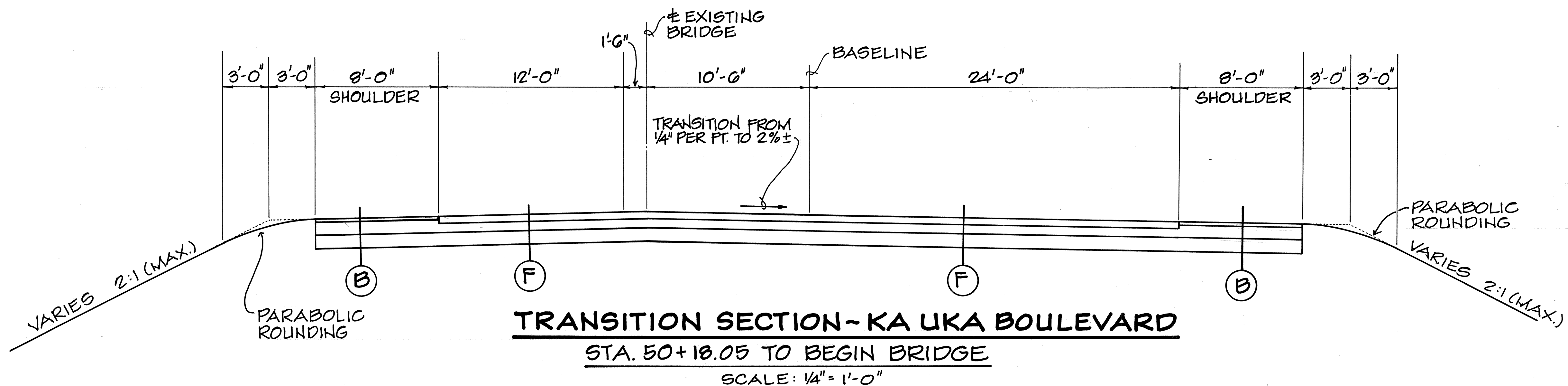
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTIONS
 INTERSTATE ROUTE H-2
 WAIPIO INTERCHANGE
 FAI PROJ. NO. IR-H2-1(21)

SCALE: AS SHOWN
 AUGUST 1986
 SHEET No. 5 OF 8 SHEETS

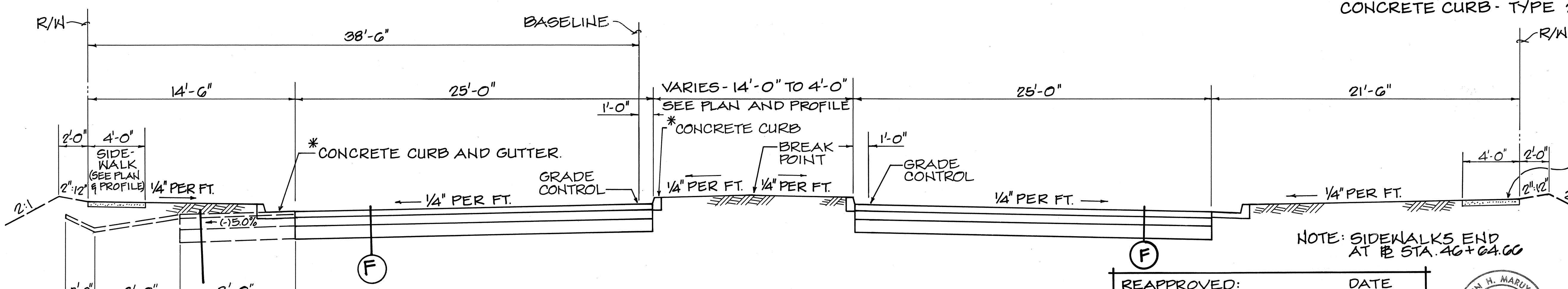
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DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	8	138



NOTE:
1- FOR PAVEMENT SECTION
SEE DETAILS, SHEET 5 OF 8.
2- FOR SHOULDER SECTION
SEE DETAILS, SHEET 1 OF 8.

* STA. 40+83.24 TO STA. 43+44.66
STD. C.&G. OF HONOLULU CONC. CURB & GUTTER (DETAIL R-4)
STD. C.&G. OF HONOLULU CONC. CURB (DETAIL R-3)
STA. 43+44.66 TO STA. 50+18.05
STATE STANDARD PLANS - DETAIL D-04
CONCRETE CURB AND GUTTER - TYPE 20G
CONCRETE CURB - TYPE 20



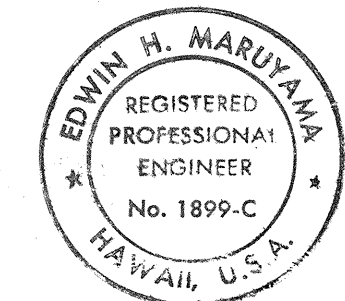
STANDARD C.&G. OF HONOLULU
SIDEWALK (DETAIL R-28).
SEE PLAN AND PROFILE.

NOTE: SIDEWALKS END
AT STA. 46+64.66

TYPICAL SECTION - KA UKA BOULEVARD
STA. 40+83.24 TO STA. 47+74.86
SCALE: 1/4" = 1'-0"

REAPPROVED: DATE
M. Fukagawa 12/14/87
CHIEF, DIVISION OF ENGINEERING, D.P.W. "H"

APPROVED: DATE
William T. H. Fung 11/12/88
CHIEF, DIVISION OF ENGINEERING, D.P.W. "H"



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By: Edwin H. Maruyama
ENGINEER

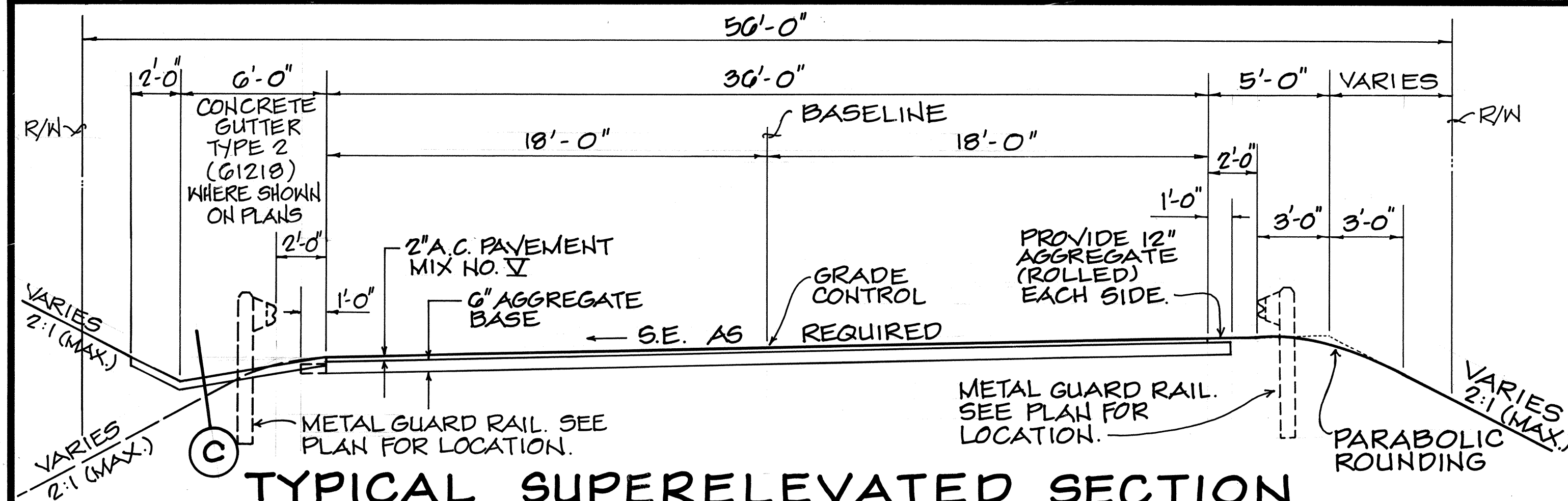
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: AS SHOWN
AUGUST 1986
SHEET No. 6 OF 8 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTE BOOK	_____
NO.	_____

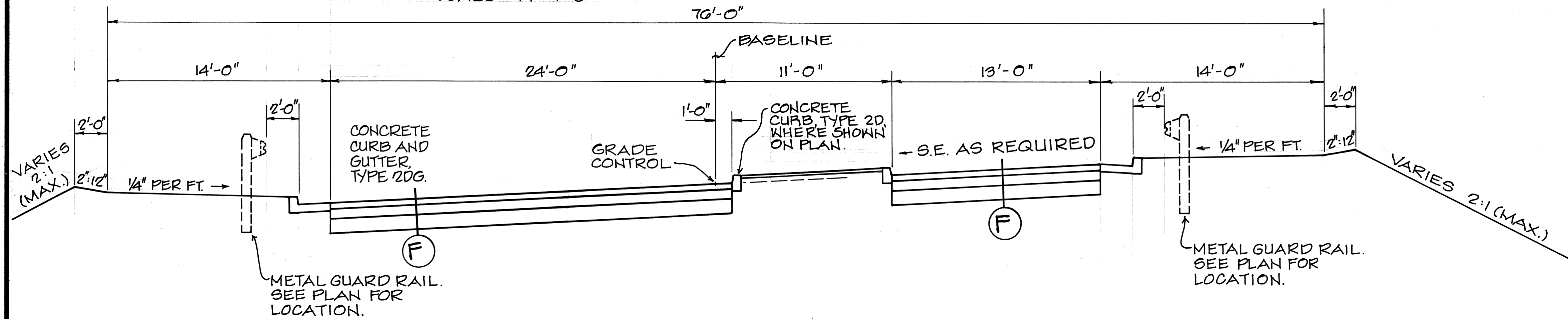
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	9	138



TYPICAL SUPERELEVATED SECTION MILILANI CEMETERY ACCESS ROAD

STA. 2+92.94 TO STA. 12+15.37

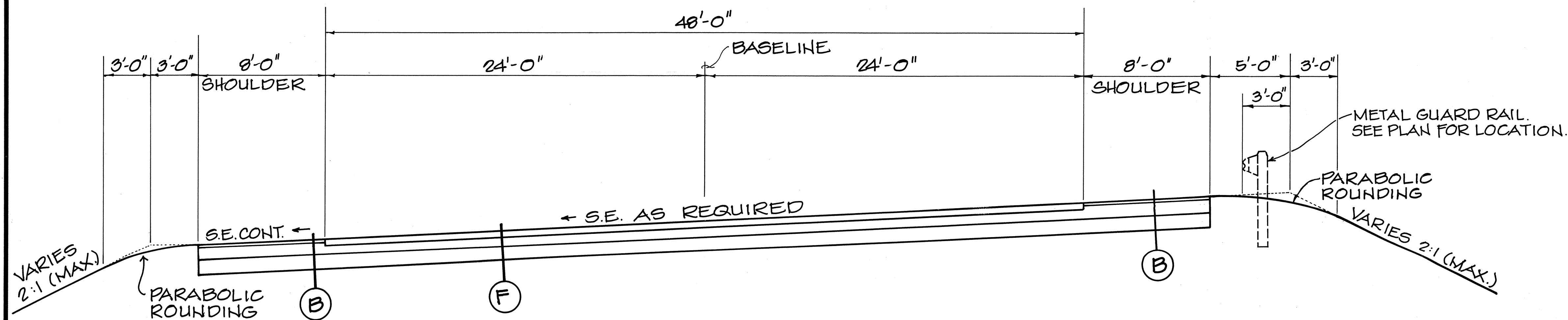
SCALE: 1/4" = 1'-0"



TYPICAL SECTION ~ KA UKA BOULEVARD

STA. 55+05.25 TO STA. 59+06.25

SCALE: 1/4" = 1'-0"



TYPICAL SUPERELEVATED SECTION ~ KA UKA BOULEVARD

END BRIDGE TO STA. 55+05.25

SCALE: 1/4" = 1'-0"

NOTE:
1. FOR PAVEMENT SECTIONS,
SEE DETAILS, SHEET 1 OF 3.
2. FOR SWALE SECTIONS,
SEE DETAIL, SHEET 1 OF 3.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

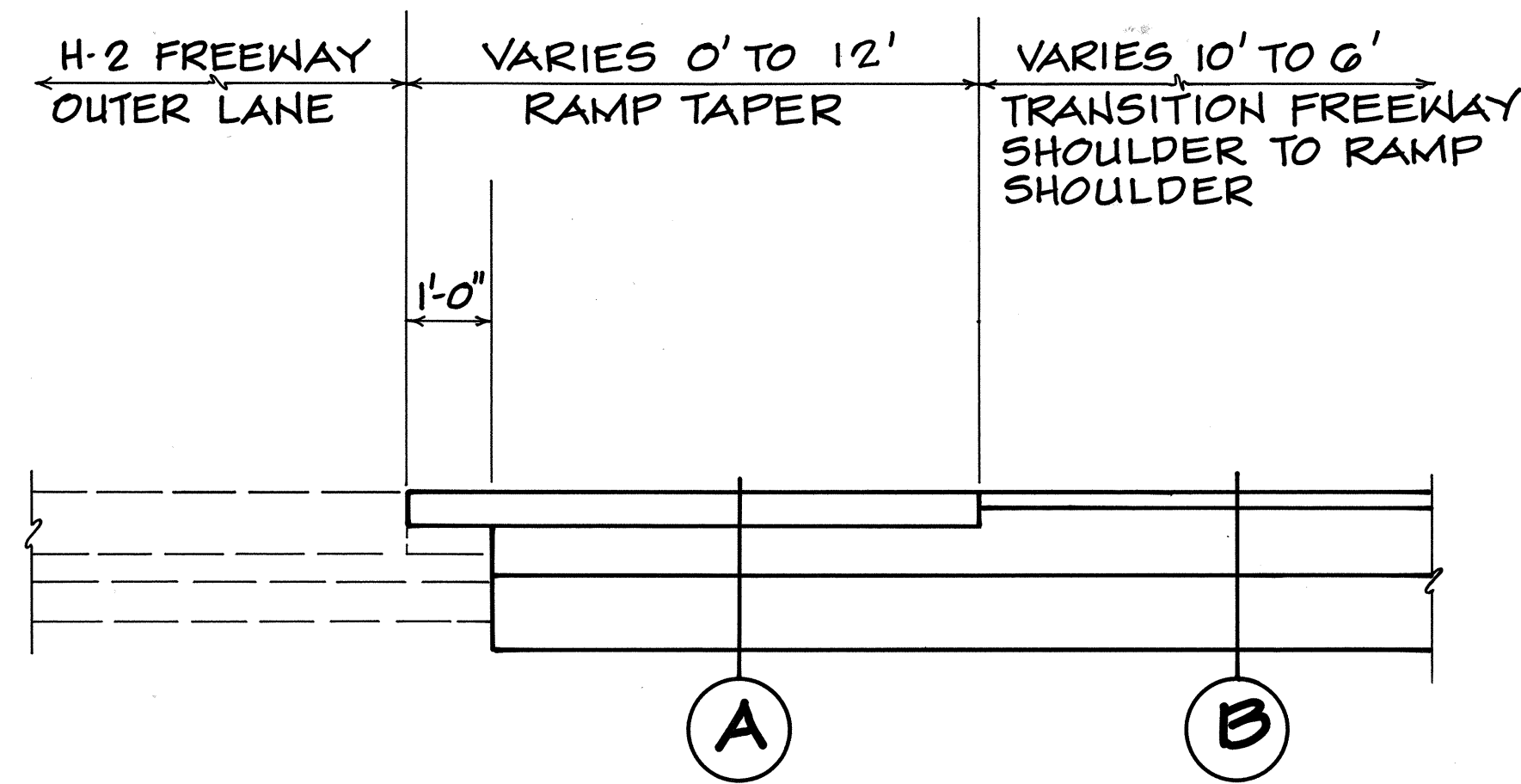
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AUGUST 1986

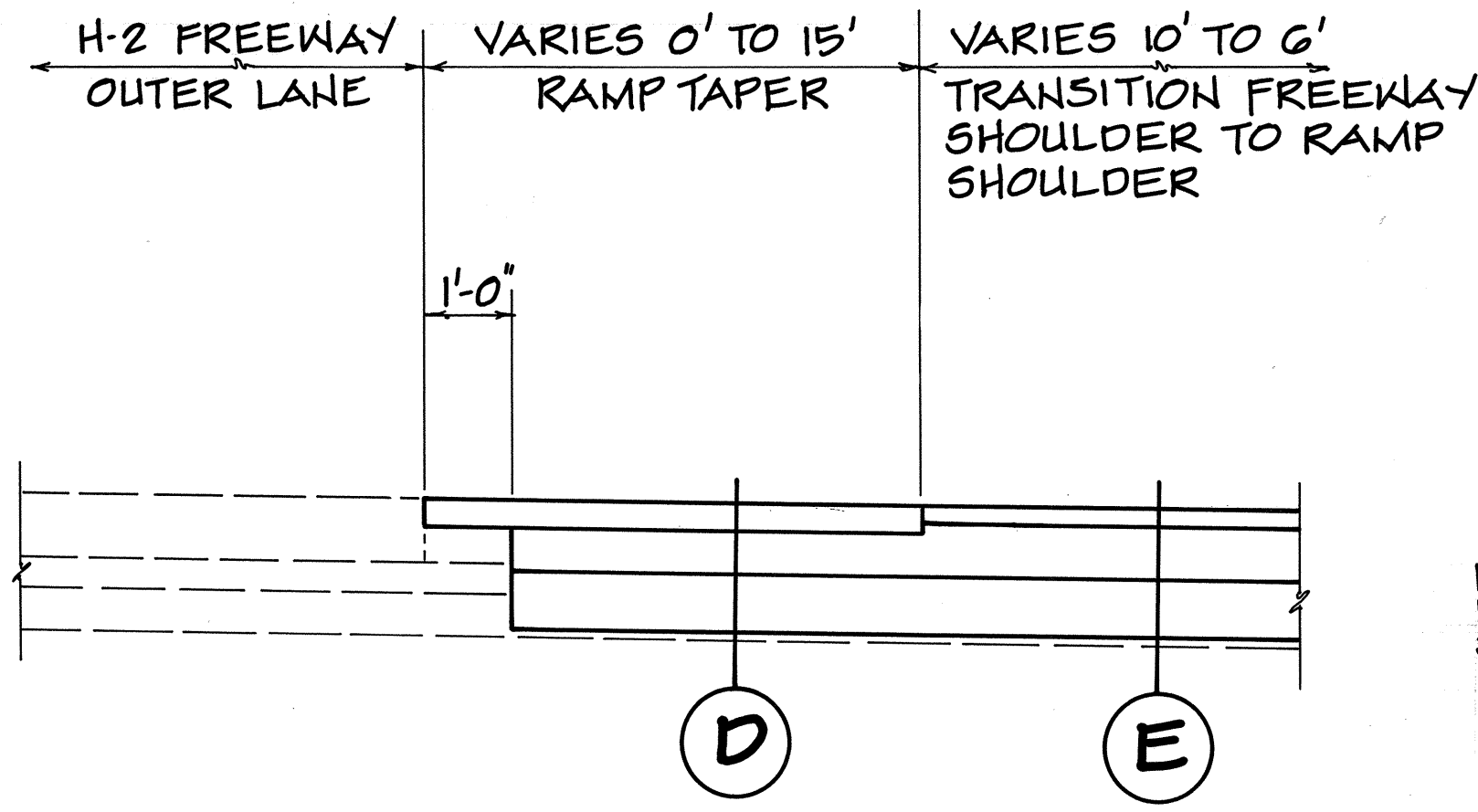
SHEET No. 7 OF 8 SHEETS

OCTOBER 1987

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	10	138



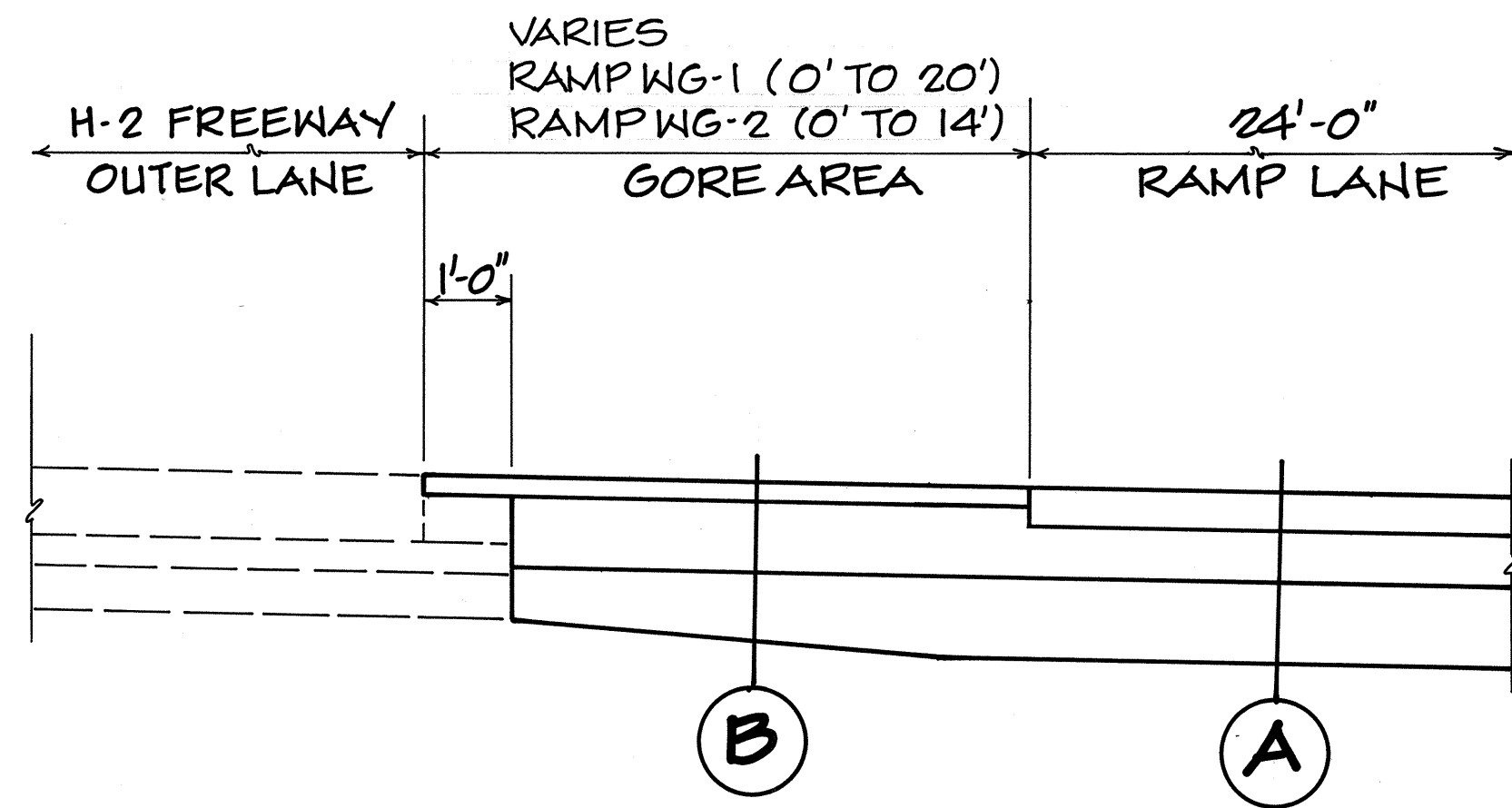
RAMPS WG-1 AND WG-2



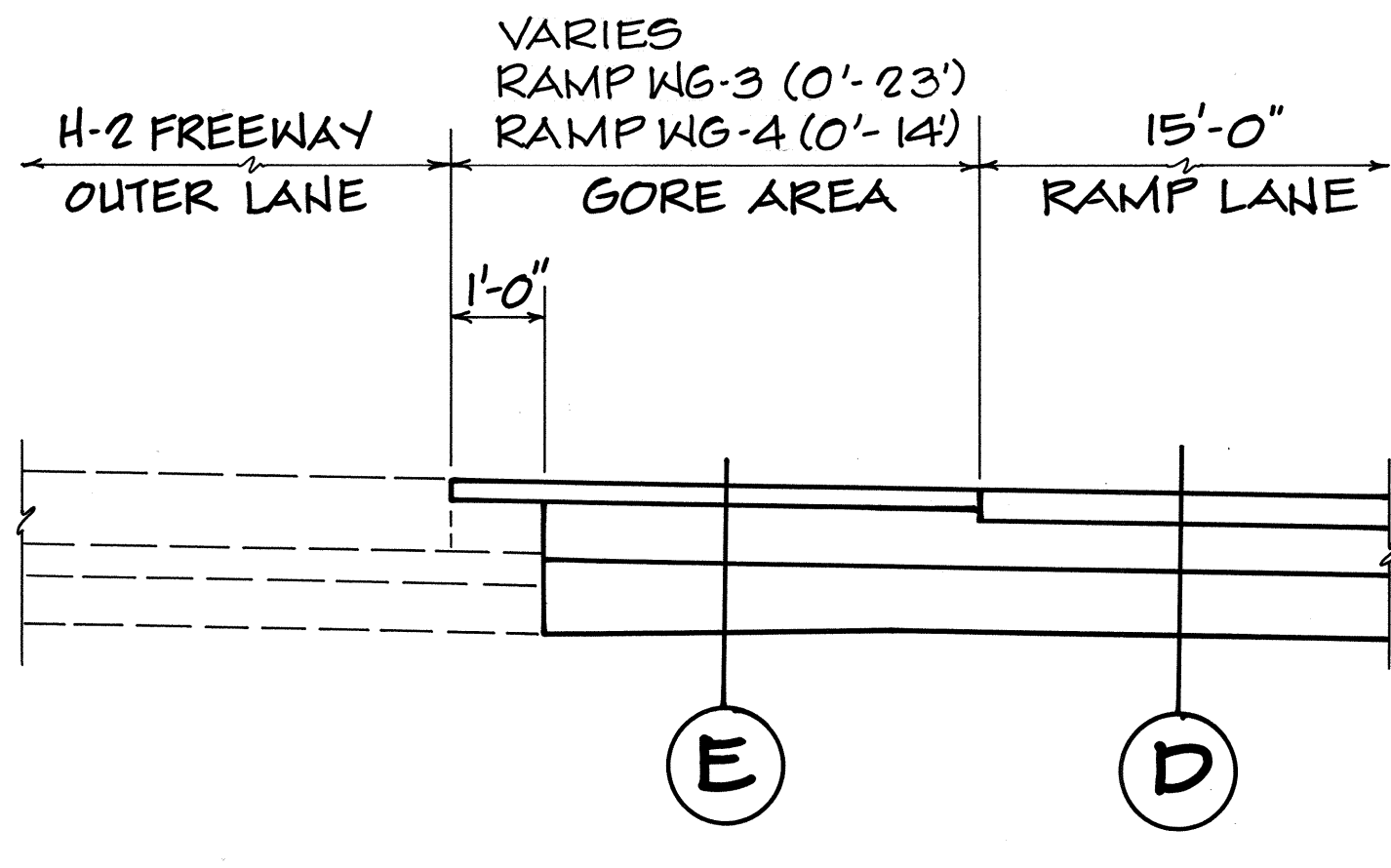
RAMPS WG-3 AND WG-4

TYPICAL SECTIONS - RAMP TAPER

SCALE: 1/2" = 1'-0"



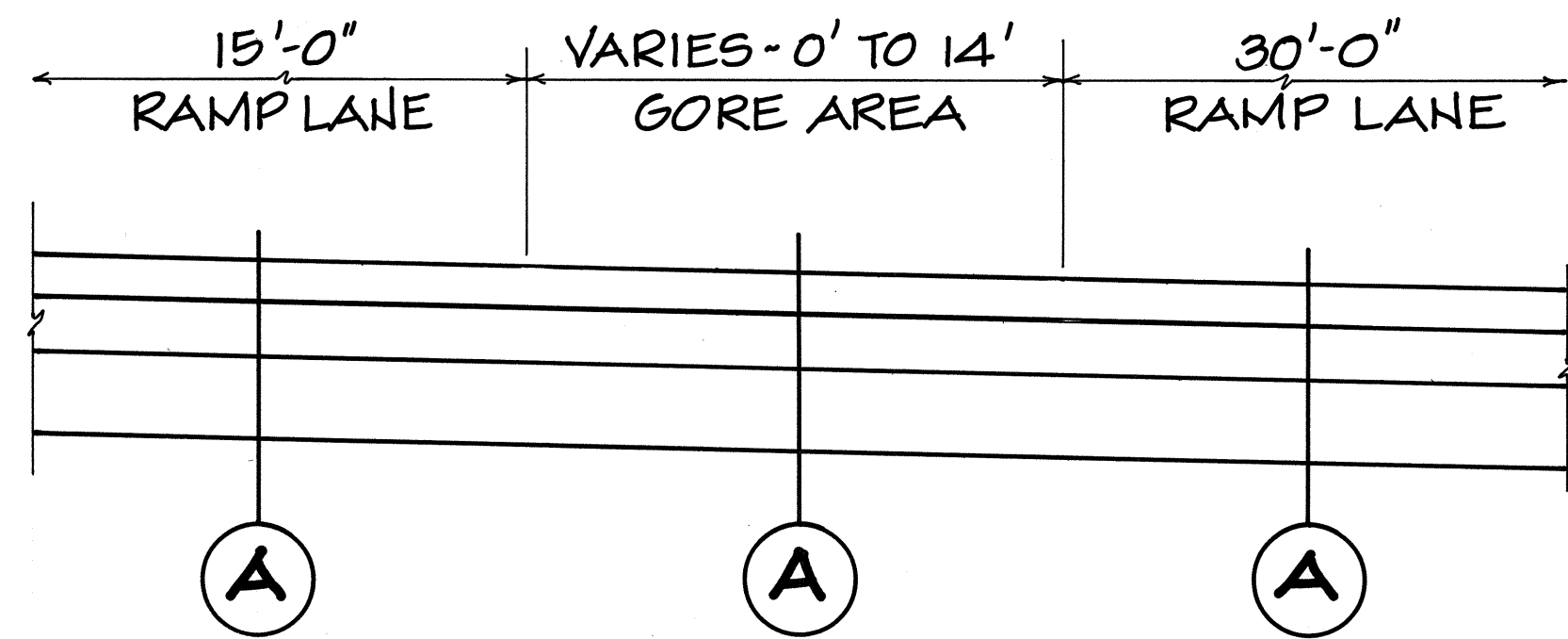
RAMPS WG-1 AND WG-2



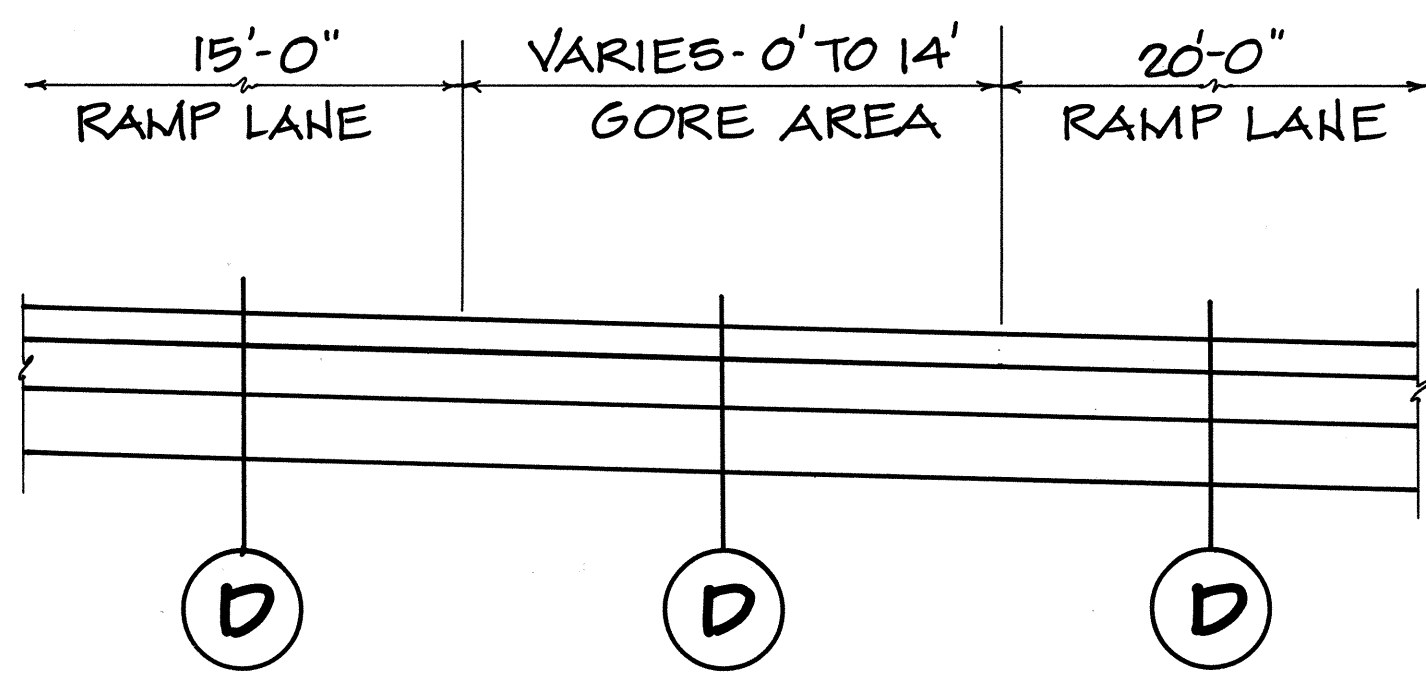
RAMPS WG-3 AND WG-4

TYPICAL TRANSITION GORE AREA BETWEEN OUTER FREEWAY LANE AND RAMP LANE

SCALE: 1/2" = 1'-0"



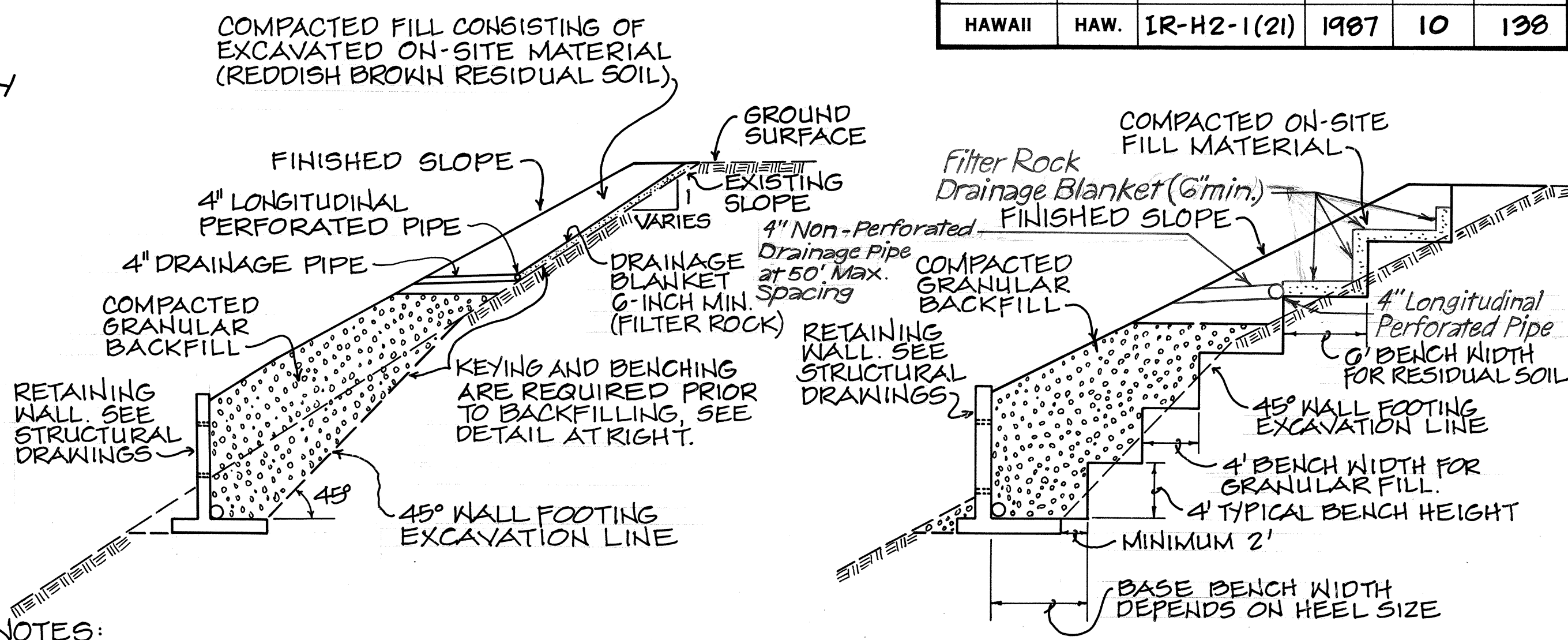
RAMP WG-2



RAMP WG-3

TYPICAL TRANSITION GORE AREA BETWEEN RAMPS

SCALE: 1/2" = 1'-0"



- NOTES:
- 1- DRAINAGE BLANKET SHOULD CONSIST A MINIMUM OF 6-INCH FILTER ROCK AGGREGATE PLACED AGAINST THE KEY AND BENCH SLOPE TO INTERCEPT POTENTIAL SEEPAGE FROM THE EXISTING EMBANKMENT SLOPE.
 - 2- THE 4-INCH PERFORATED PIPE SHOULD BE DAY-LIGHTED ONTO THE SLOPE FACE AT REGULAR SPACING OF NOT MORE THAN 50 FEET.

DRAINAGE DETAIL FOR RAMP WG-1 EMBANKMENT

NOT TO SCALE

BENCHING DETAIL FOR RAMP WG-1 EMBANKMENT

NOT TO SCALE

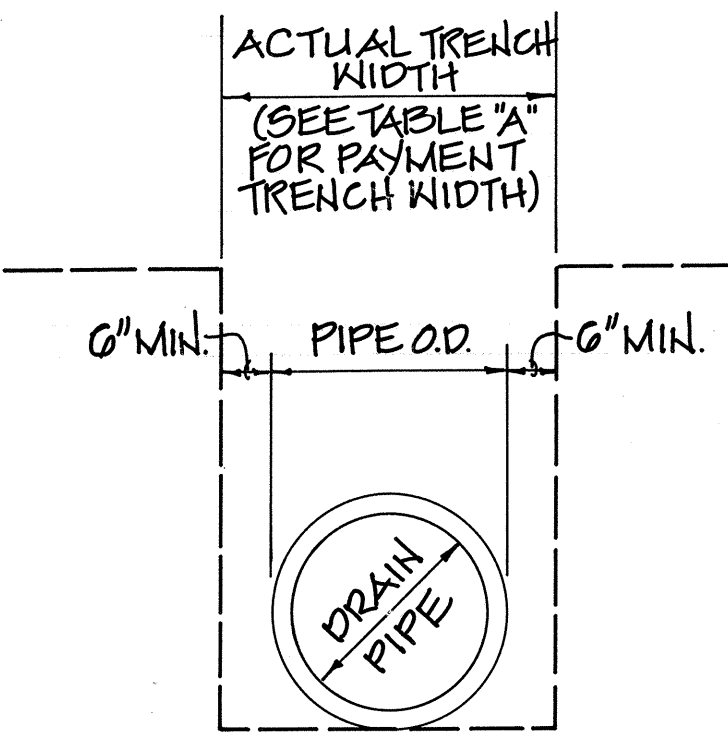
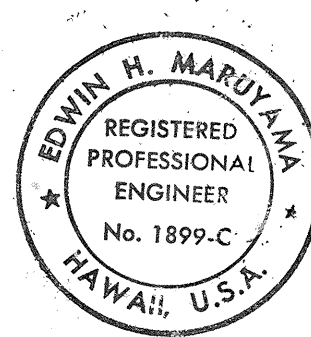


TABLE "A"	
PAYMENT WIDTH FOR TRENCH EXCAVATION	
PIPE DIA.	PAYMENT WIDTH
18"	36"
24"	48"
30"	56"
36"	64"

TYPICAL DRAIN TRENCH SECTION

NOT TO SCALE

NOTE:
FOR PAYEMENT SECTIONS, SEE DETAILS, SHEET 1 OF 8 AND SHEET 3 OF 8.



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By: *Edwin H. Maruyama*
FUTTA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: AS SHOWN
SHEET No. 8 OF 8 SHEETS

AUGUST 1986

"AS-BUILT"

OCTOBER 1987

10

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