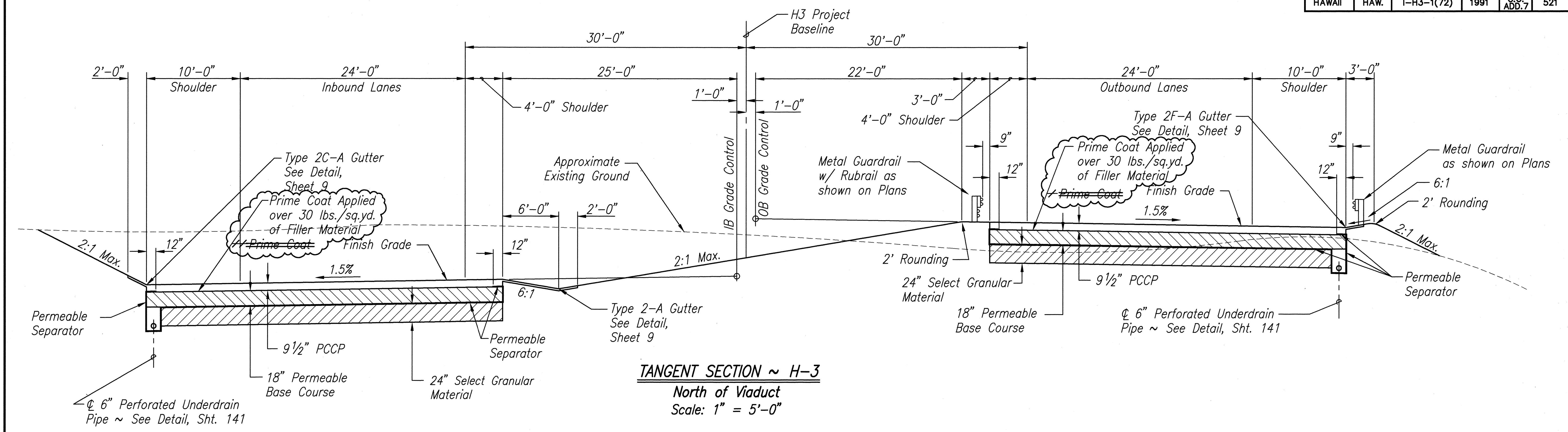
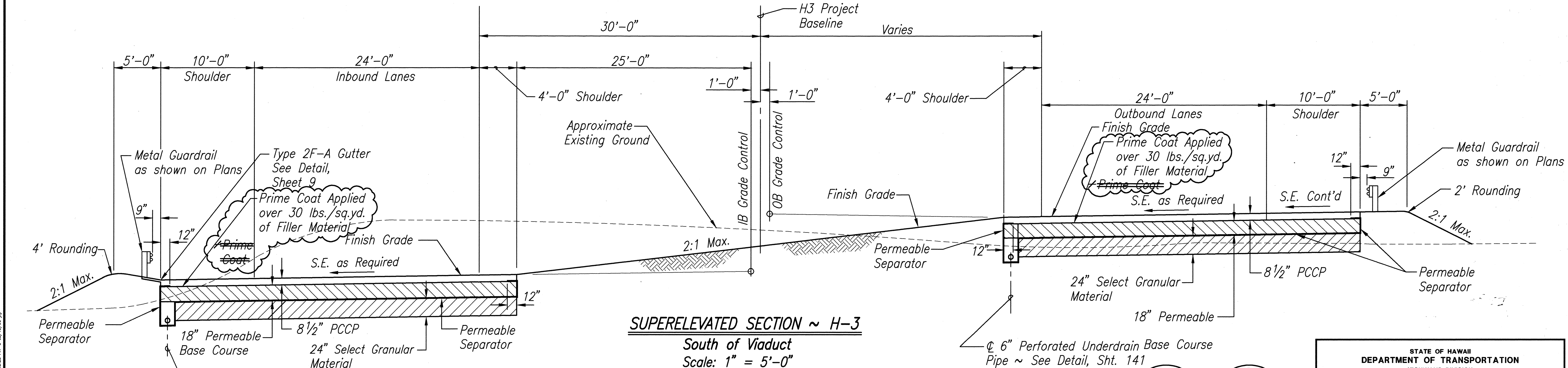


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(72)	1991	C.O. ADD. 7	521



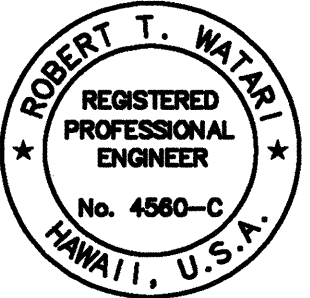
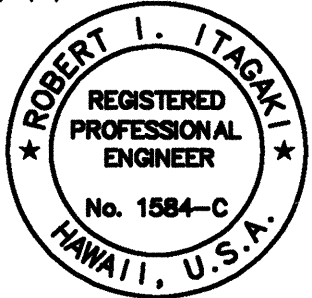
TANGENT SECTION ~ H-3
North of Viaduct
Scale: 1" = 5'-0"



SUPERELEVATED SECTION ~ H-3
South of Viaduct
Scale: 1" = 5'-0"

- NOTES:**
1. All cut slopes shall be serrated. See Detail, Sht 10
 2. All exposed slopes shall be top soiled, grassed & covered with erosion mat in accordance with the Specifications & the Grading Plan.
 3. Fills placed on areas with slopes steeper than 5:1 (horizontal to vertical), shall be continually benched as the fill is brought in lifts.
 4. Prime Coat applied to Permeable Base Course shall be that as specified in Section 420 of the Special Provisions.

2/15/95	Added 30 Lbs./Sq. Yd. of Filler Material Over Permeable Base Course.
4/21/94	Deleted Conc. Guardrail (Type A) & Gutter (Type 2). Revised Median of Superelev. Sect.
3/27/92	Added item no. 4 to Notes.
2/21/92	Moved underdrain to lower side of roadway. Weep Hole & Filter Mat'l for Type A Guardrail shall be for inbound lane only. Added metal guardrail and guardrail callout.
1/27/92	Revised sta. reference to North and South.
DATE	REVISION



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Robert Watar
2/15/96

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

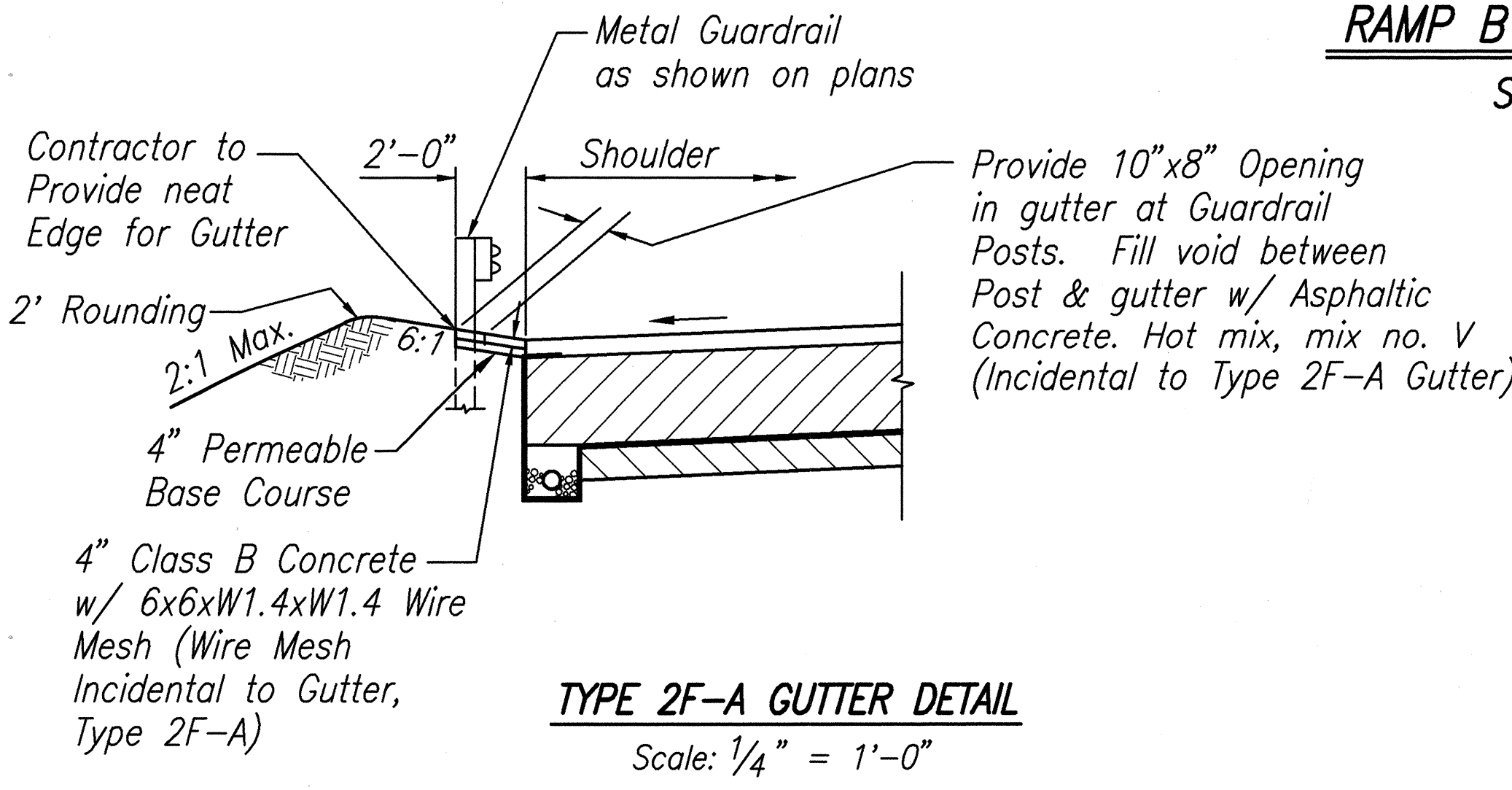
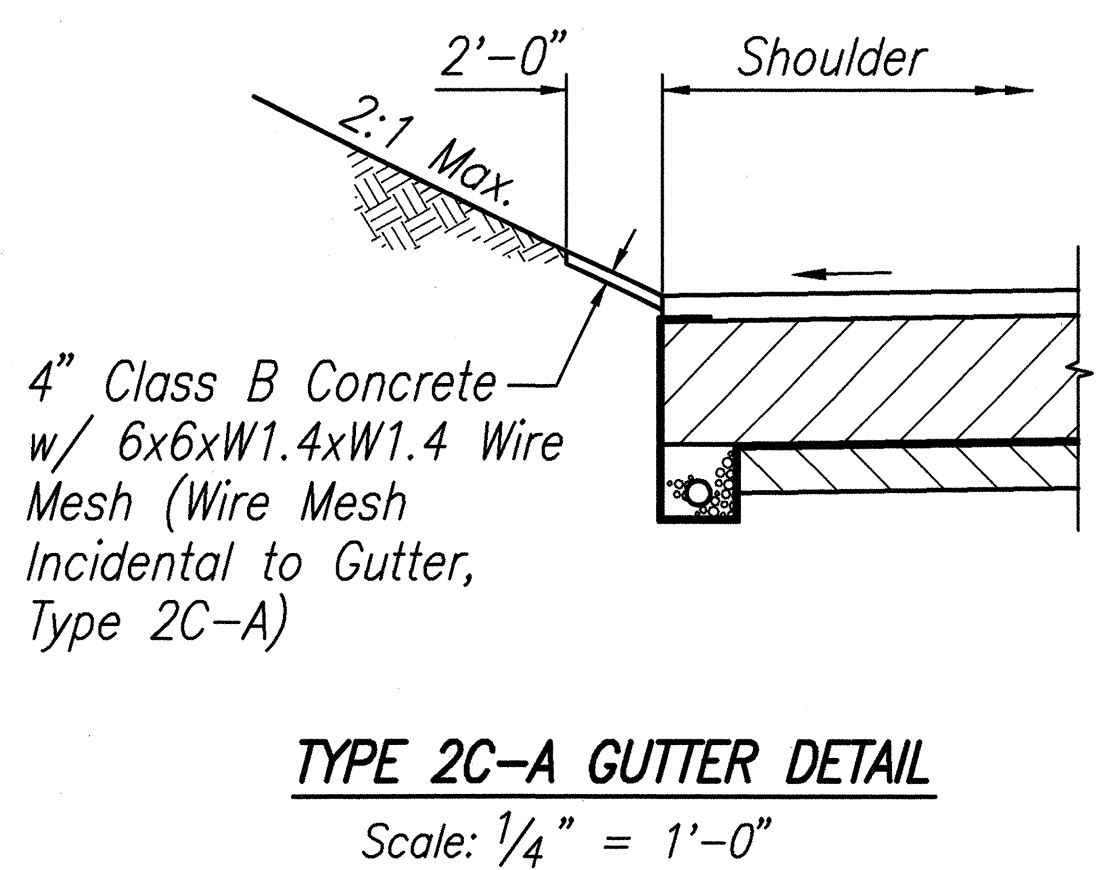
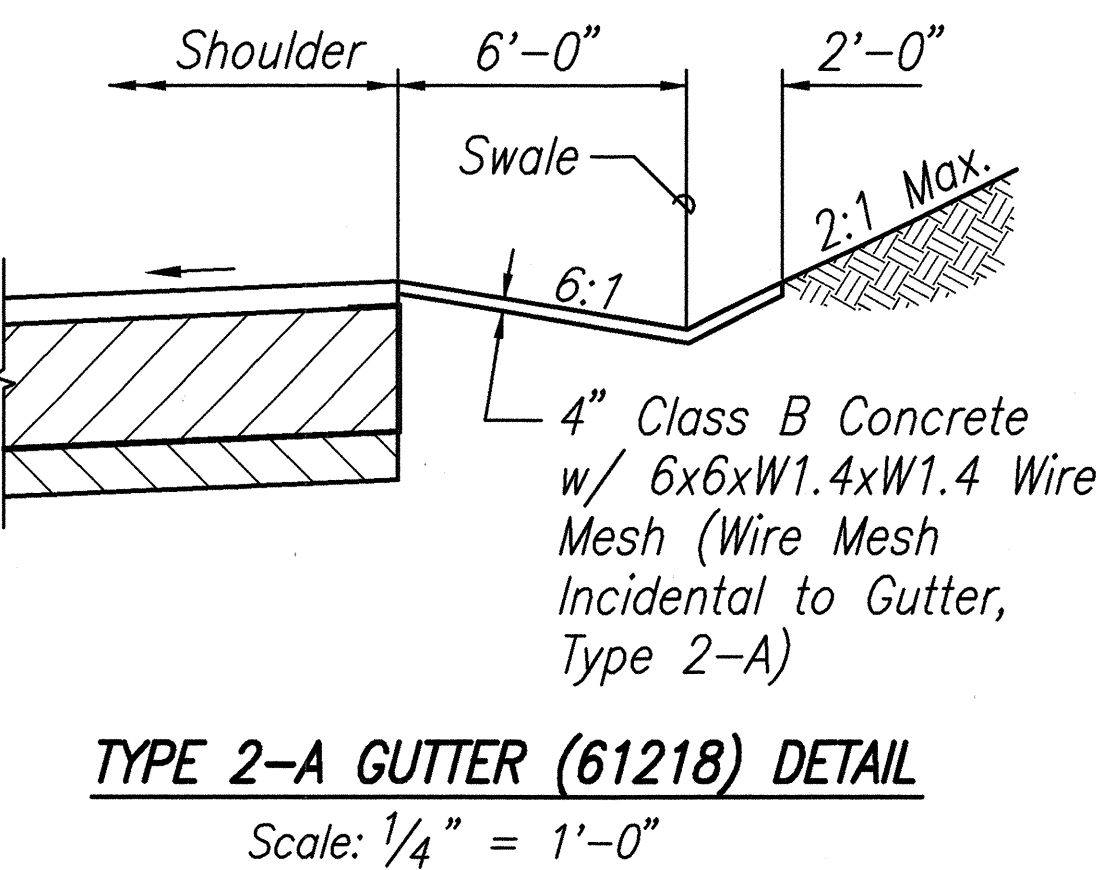
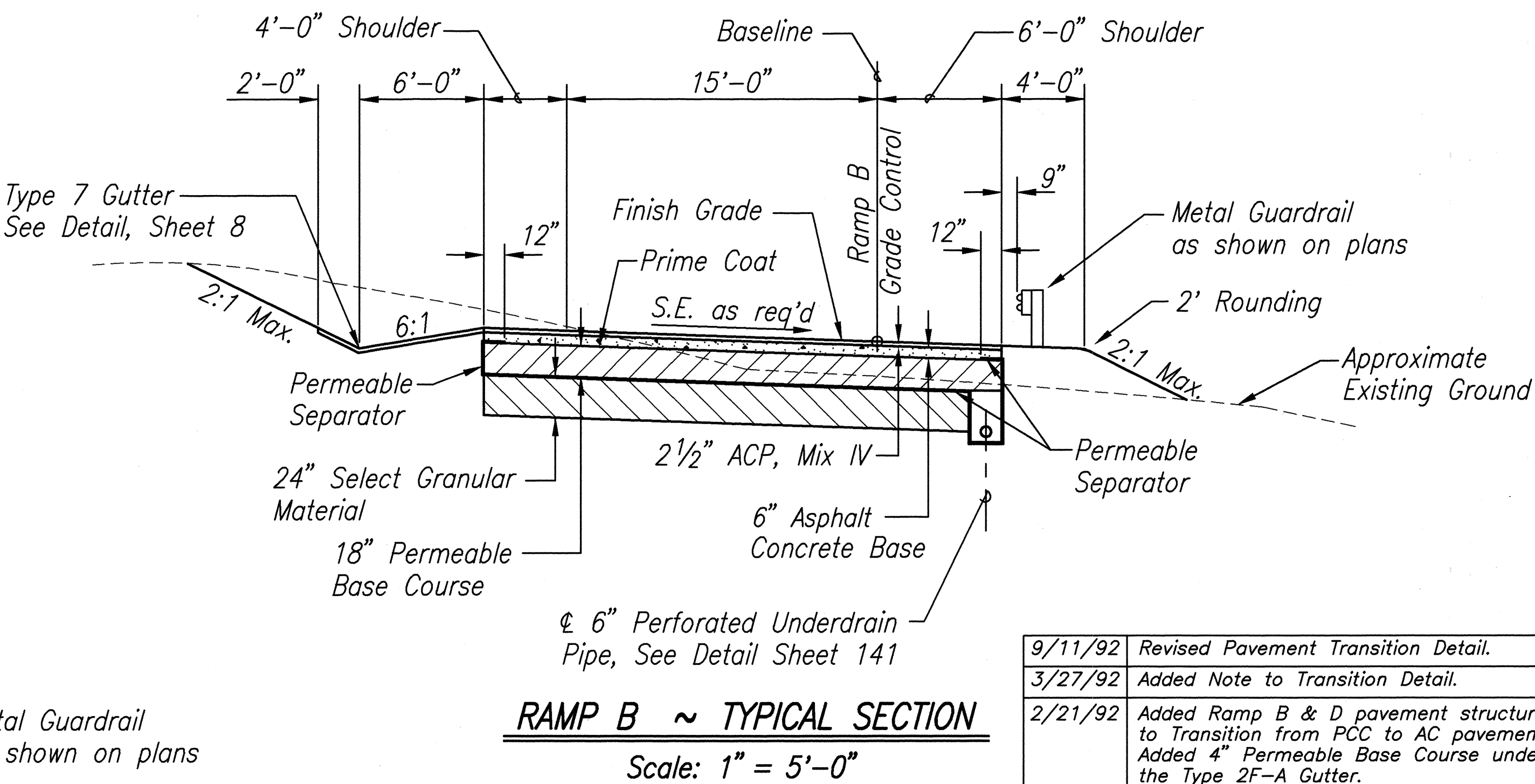
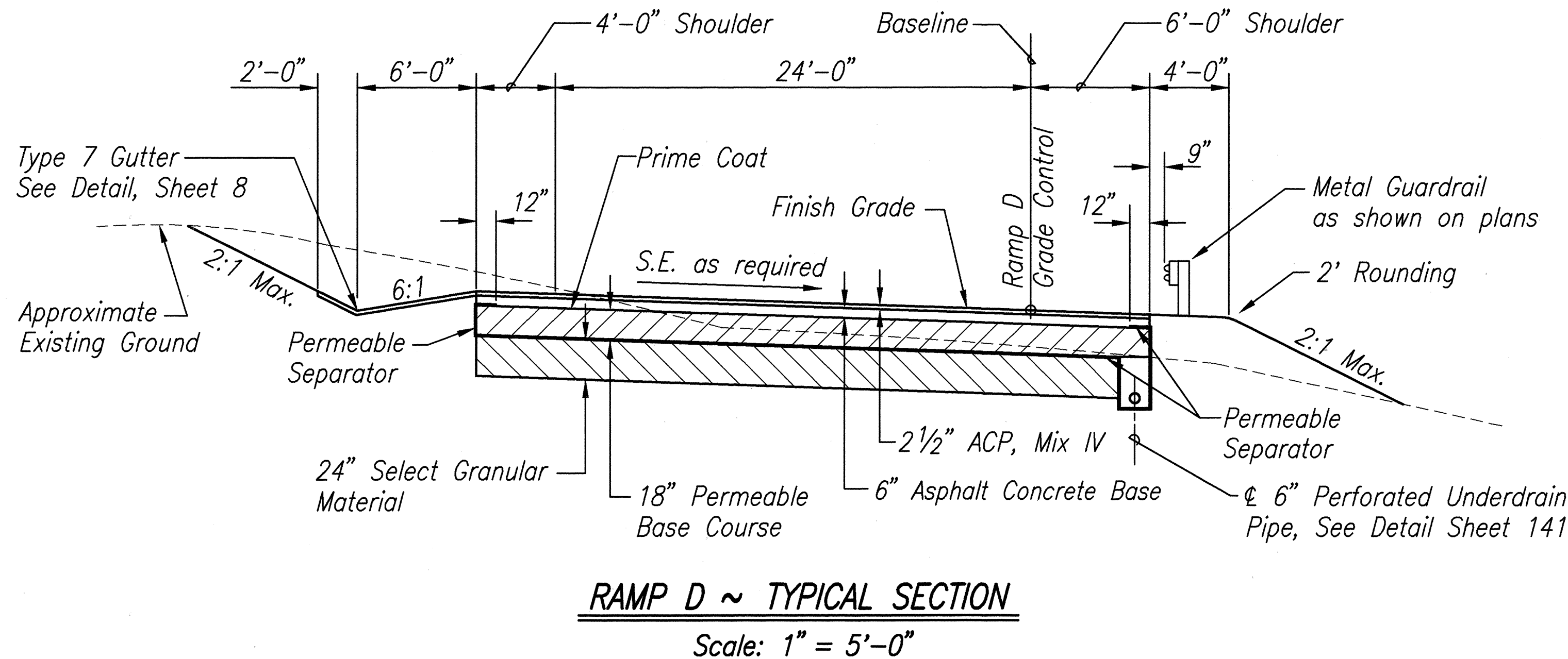
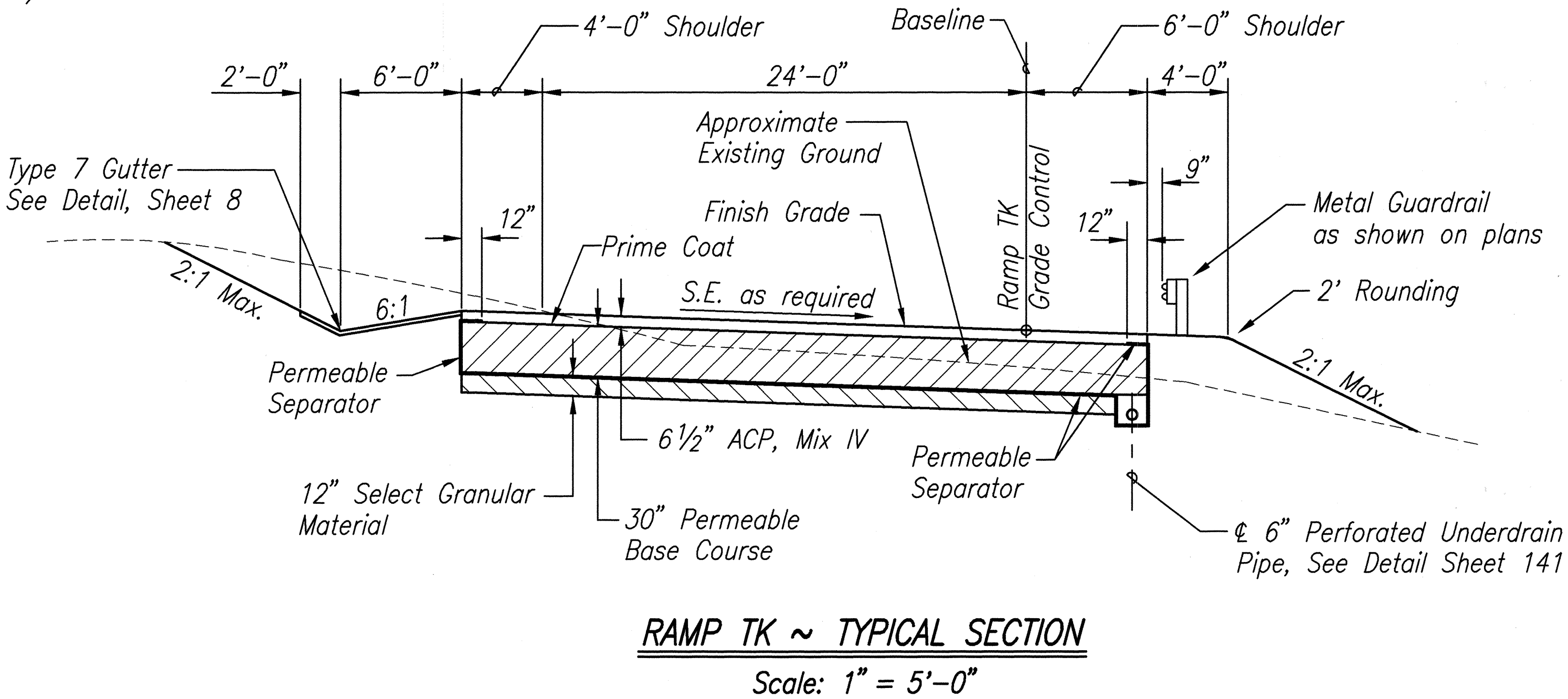
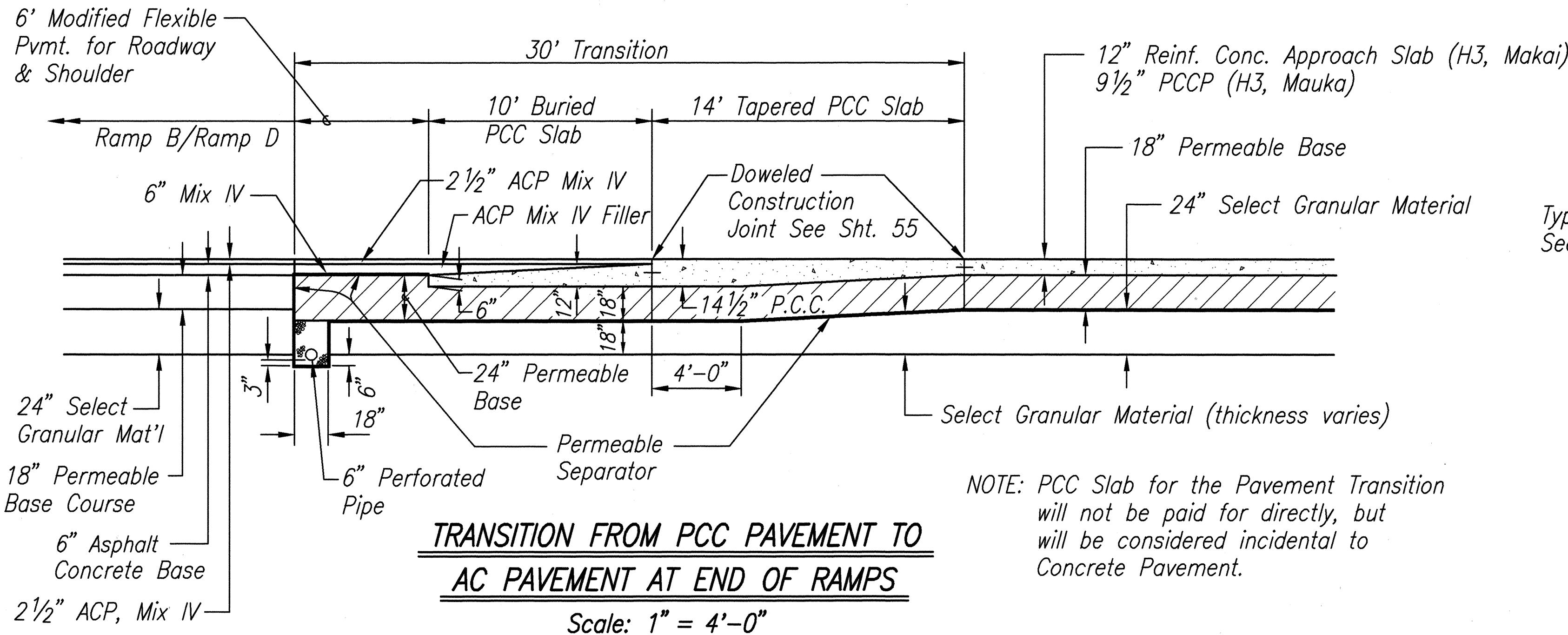
TYPICAL ROADWAY SECTIONS
H3 KANEHOE INTERCHANGE

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(72)

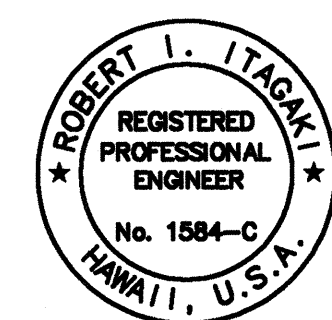
SCALE: AS NOTED DATE: DEC. 1991

SHEET No. OF SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(72)	1991	C.O. ADD. 9	521



9/11/92	Revised Pavement Transition Detail.
3/27/92	Added Note to Transition Detail.
2/21/92	Added Ramp B & D pavement structure to Transition from PCC to AC pavement. Added 4" Permeable Base Course under the Type 2F-A Gutter. Void between post & gutter of Type 2F-A gutter shall be filled w/ hot mix, no. V.
1/27/92	Revised Type 2 Gutter to Type 7 Gutter. Added Metal Guardrail callout to Type 2F-A Gutter Detail.
DATE	REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Robert I. Itagaki

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

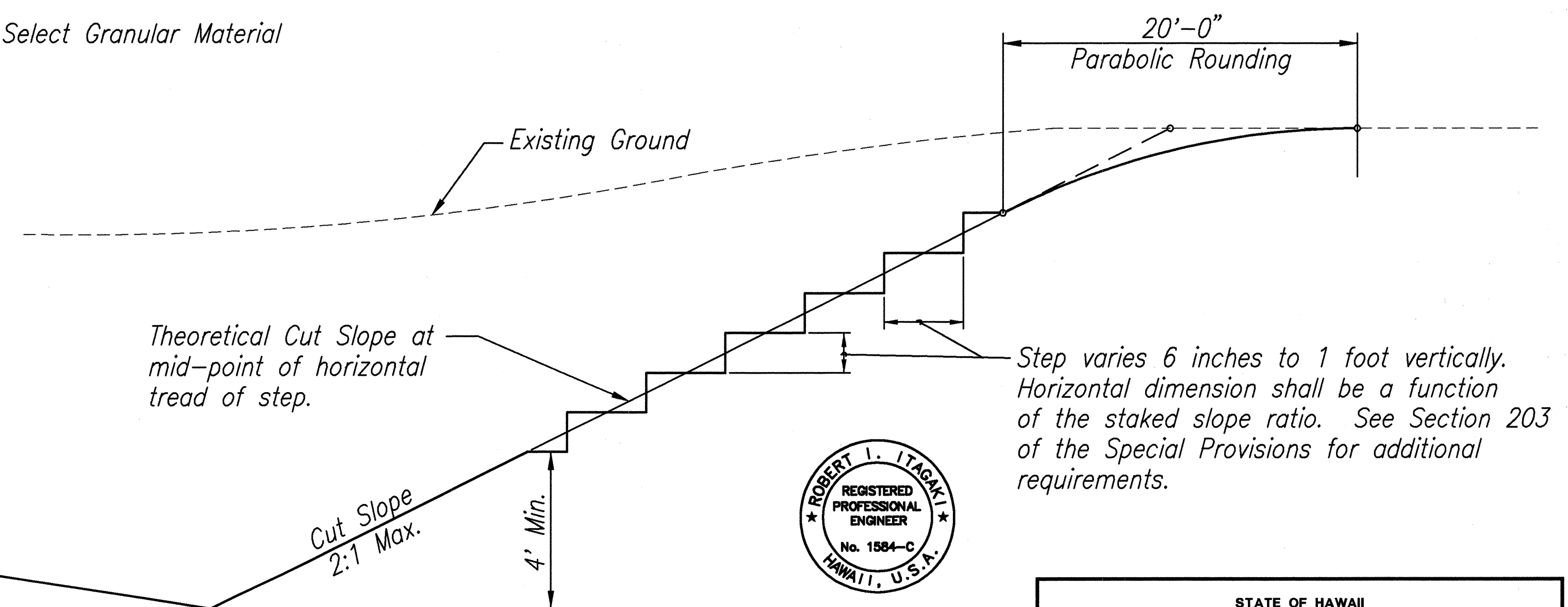
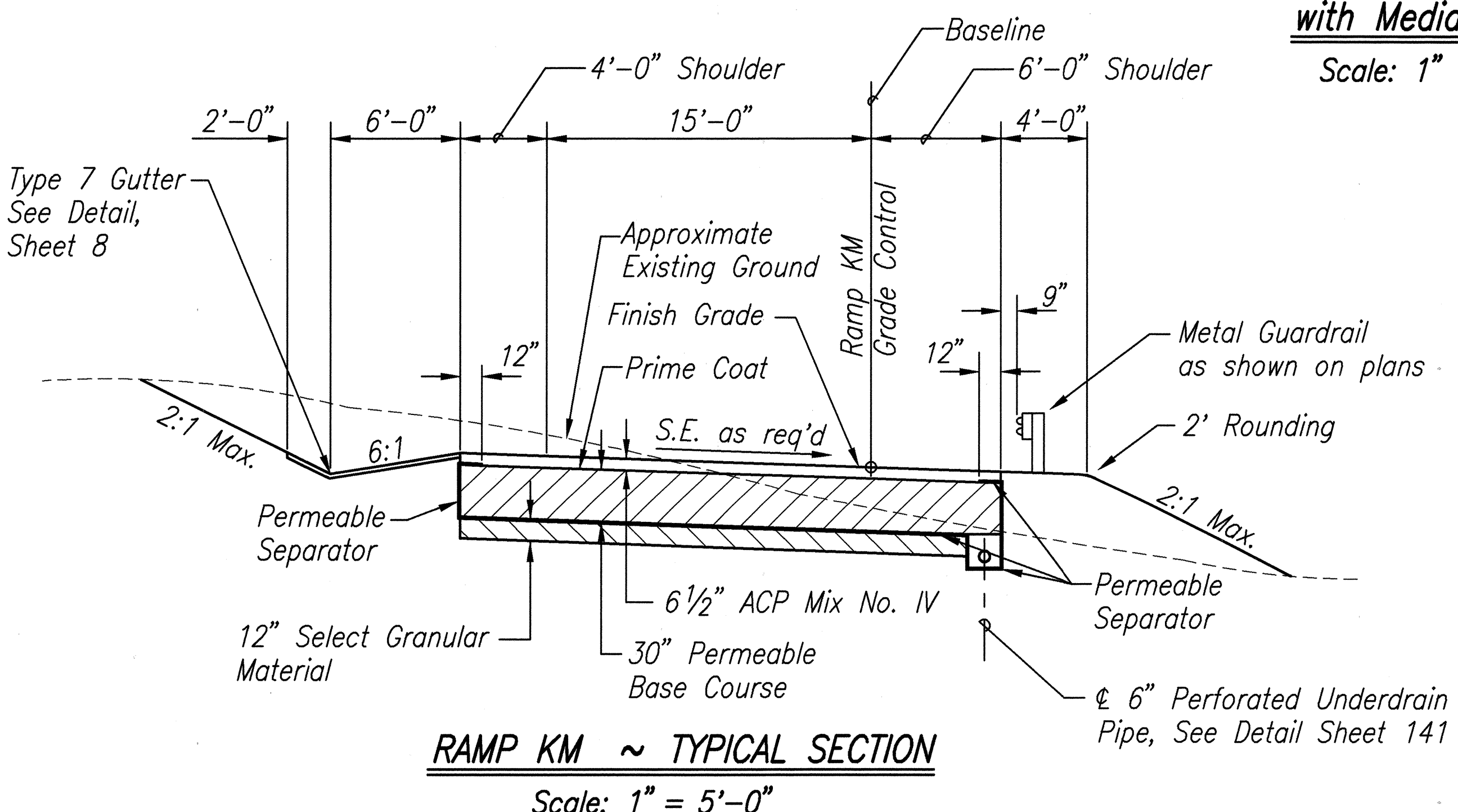
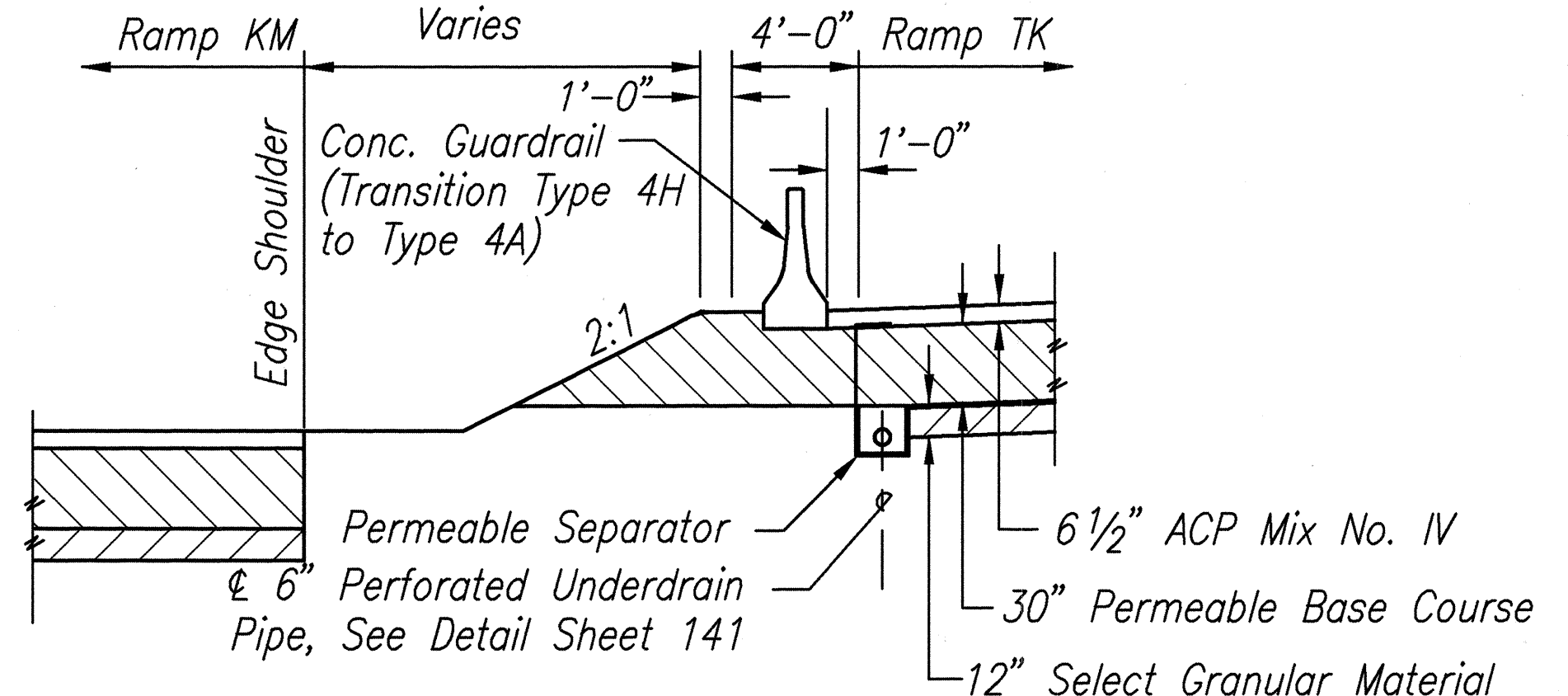
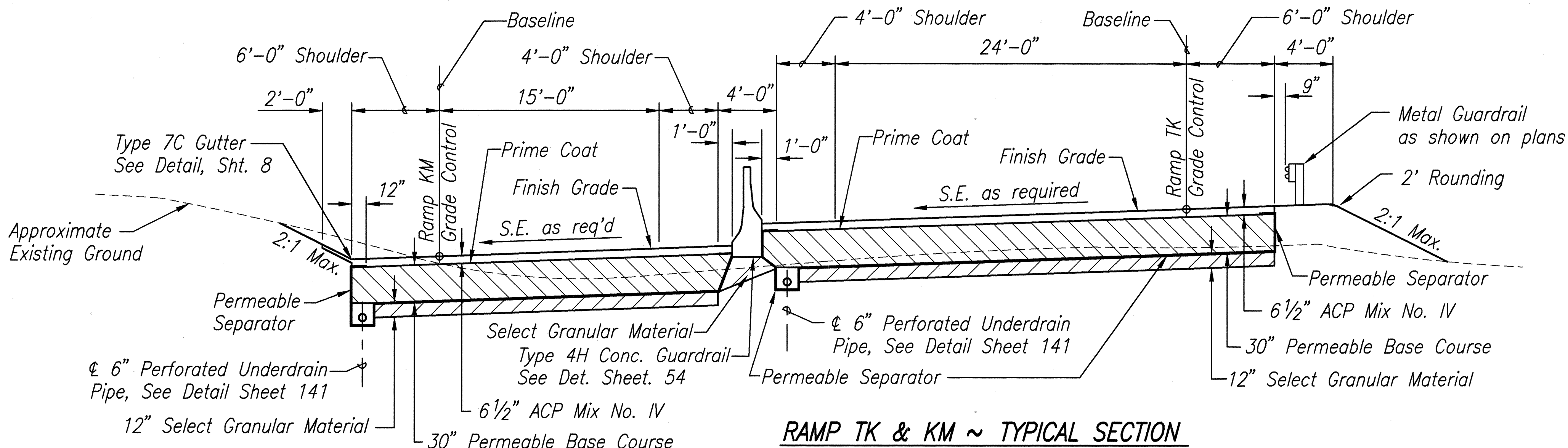
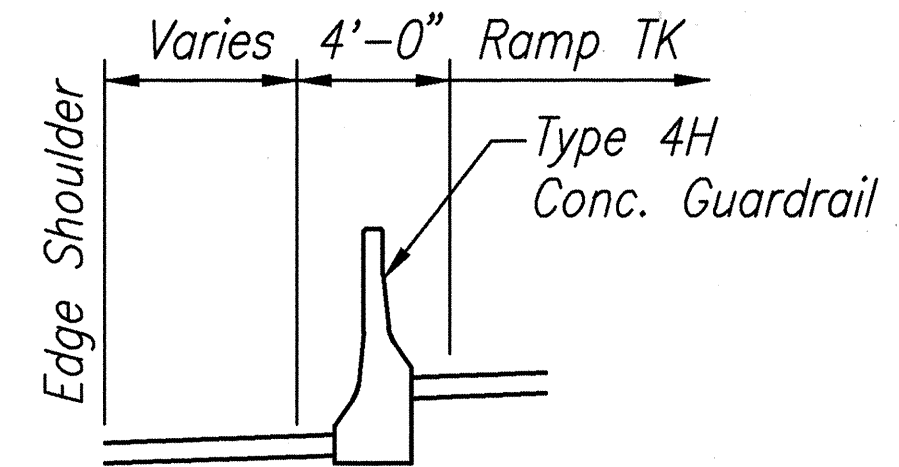
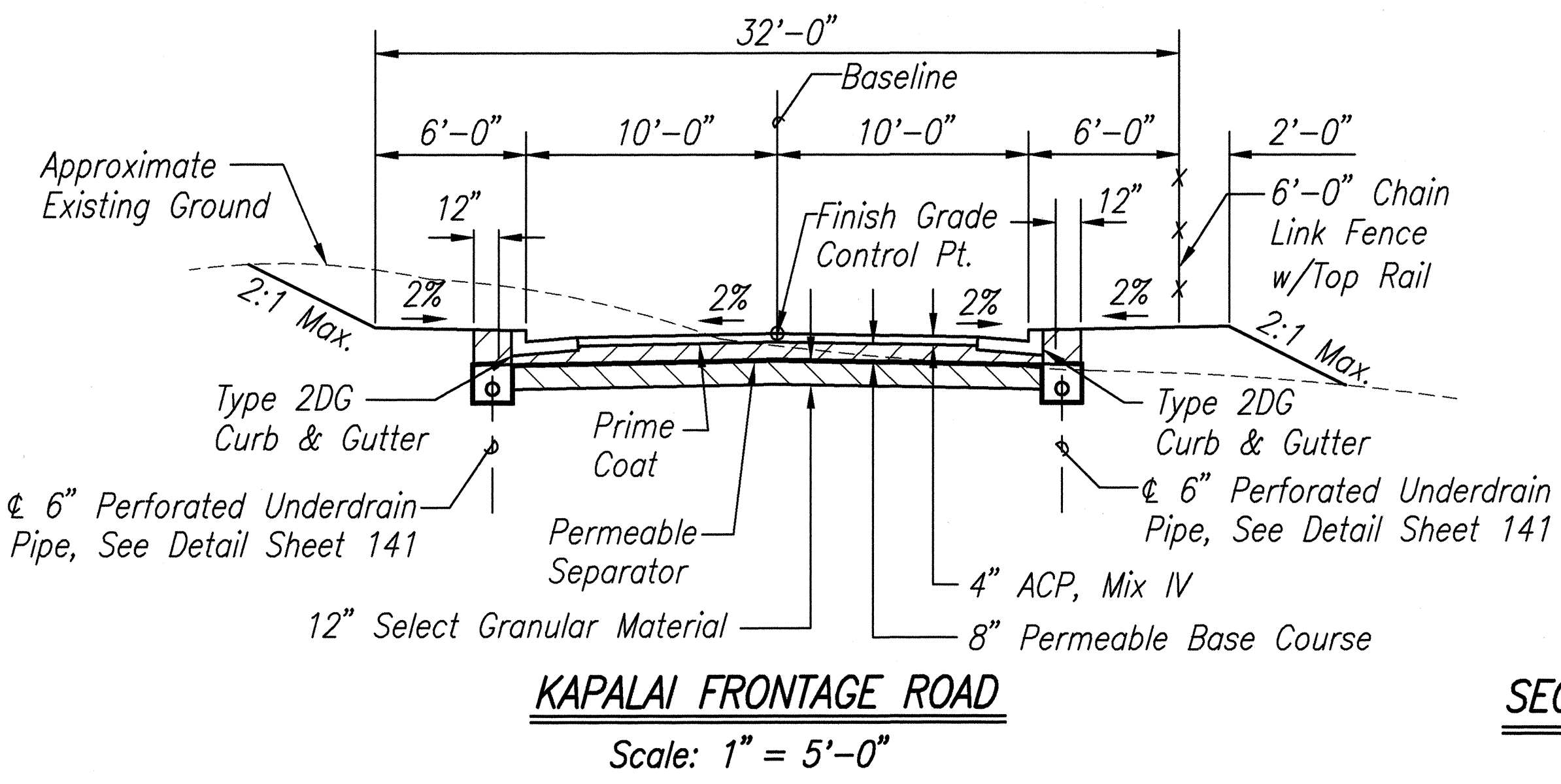
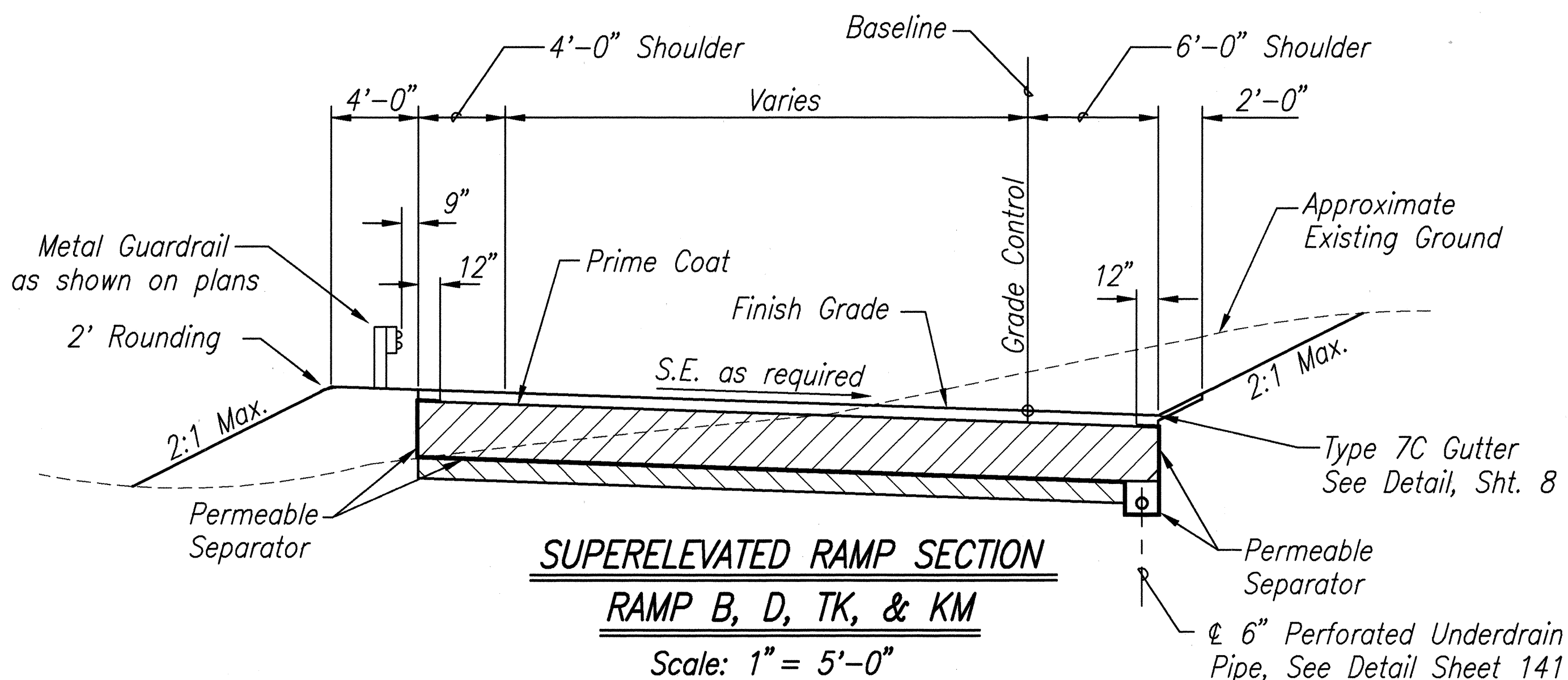
**TYPICAL RAMP
SECTIONS AND DETAILS**

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(72)

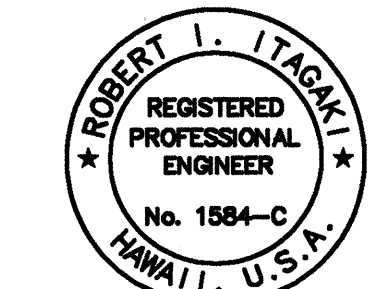
SCALE: AS NOTED
DATE: DEC. 1991

SHEET No. OF SHEETS
C.O. ADD. 9

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(72)	1991	C.O. ADD. 10	521



9/3/93	Revised Permeable Base Course to Select Granular Material under 4H Median Barrier @ Ramp TK & KM
3/15/93	Added Section for TK Sta. 18+50
2/17/93	Revised Ramp TK & KM typical section; Extended pavement to Median Barrier.
2/21/92	Revised Ramp TK/KM typical section from type 7 to type 7C Gutter.
1/27/92	Revised Type 2 & 2C Gutter to Type 7 & 7C Gutter, respectively.
DATE	REVISION



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Robert L. Itagaki

SERRATED CUT SLOPE DETAIL
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL RAMP
SECTIONS AND DETAILS

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(72)

SCALE: AS NOTED

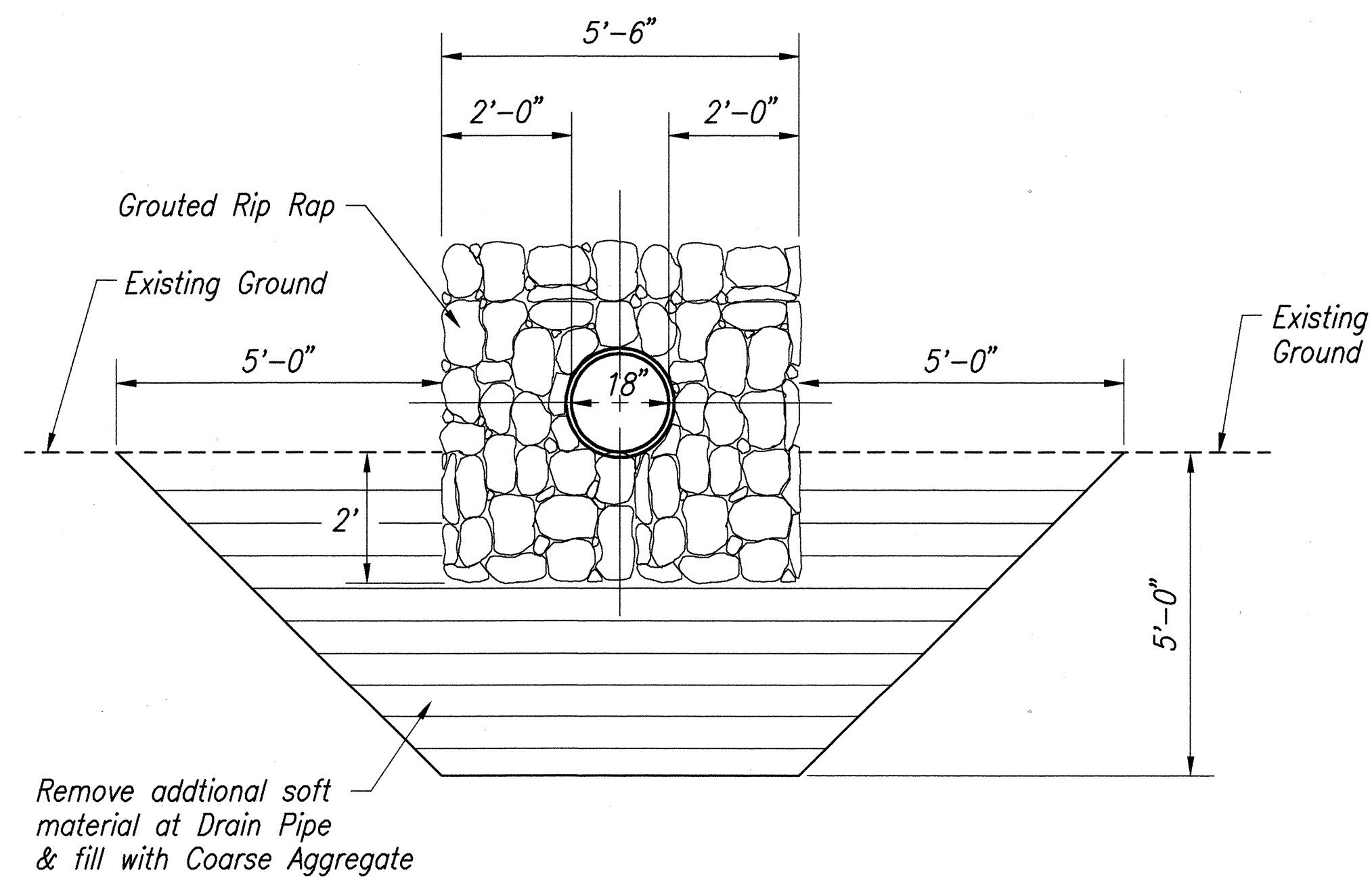
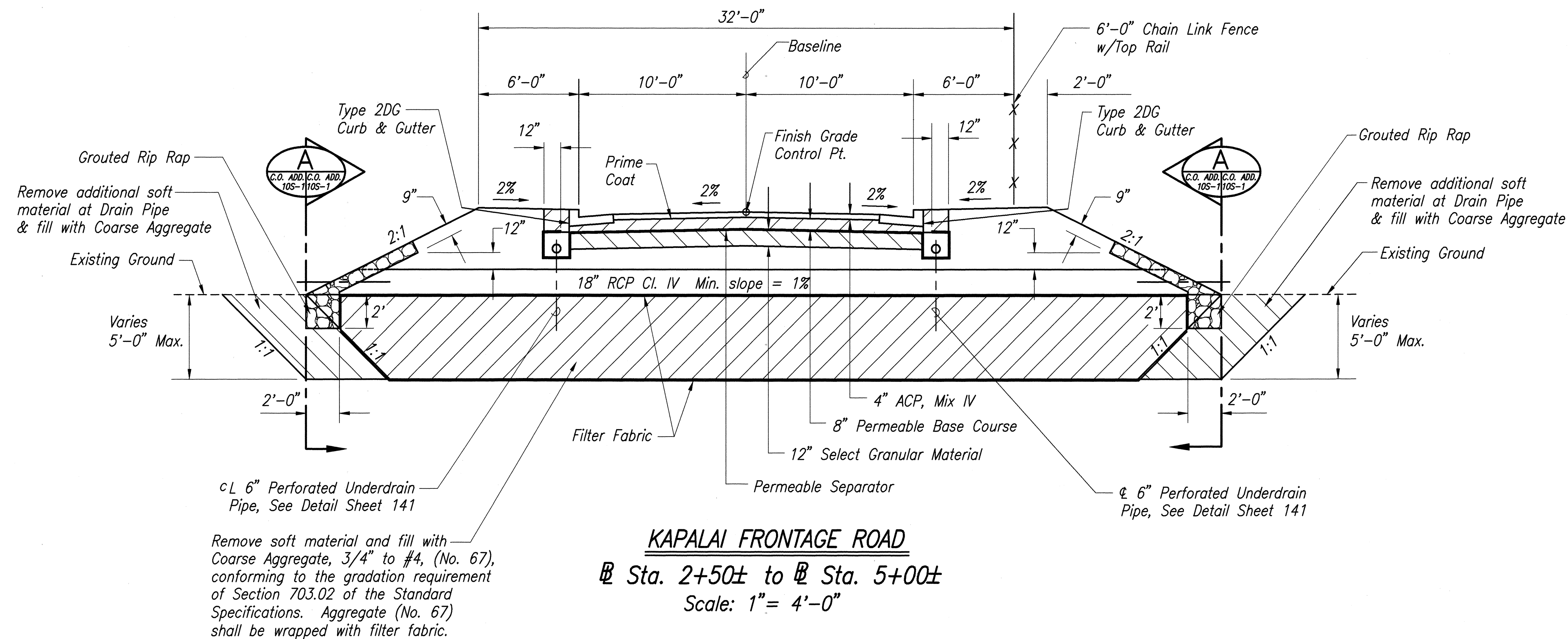
DATE: DEC. 1991

SHEET No. OF SHEETS

DATE	9/3/93
DESIGNED BY	...
CHECKED BY	...
NOTED BY	...
ORIGINAL PLAN	...
NO. BOOK	...
NO.	...

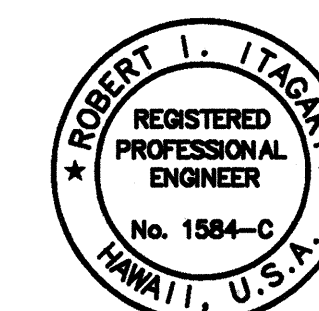
63-602 (FORM-SECTION) (TYPICALS) (HAWAII) 9/3/93

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(72)	1991	C.O. ADD. 10S-1	521



SECTION 

Scale: 1" = 2'-0"



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ME OR UNDER MY SUPERVISION

Robert L. Hayes

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAPALAI FRONTAGE ROAD

TYPICAL SECTION AND DETAILS

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(72)

SCALE: AS NOTED

DATE:

SHEET No. OF SHEETS

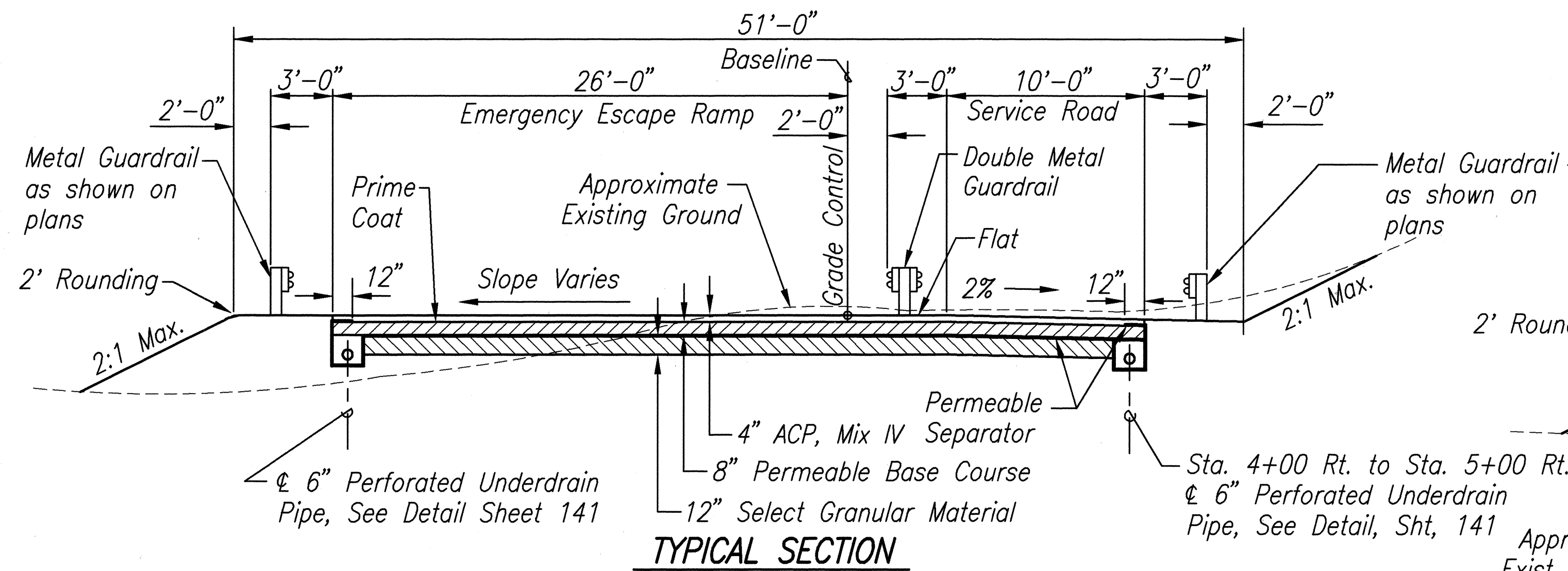
C.O. ADD. 10S-1

9/11/92	Sheet added to show Kapalai Frontage Road Typical Section from 2+50± to 5+00±.
DATE	REVISION

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

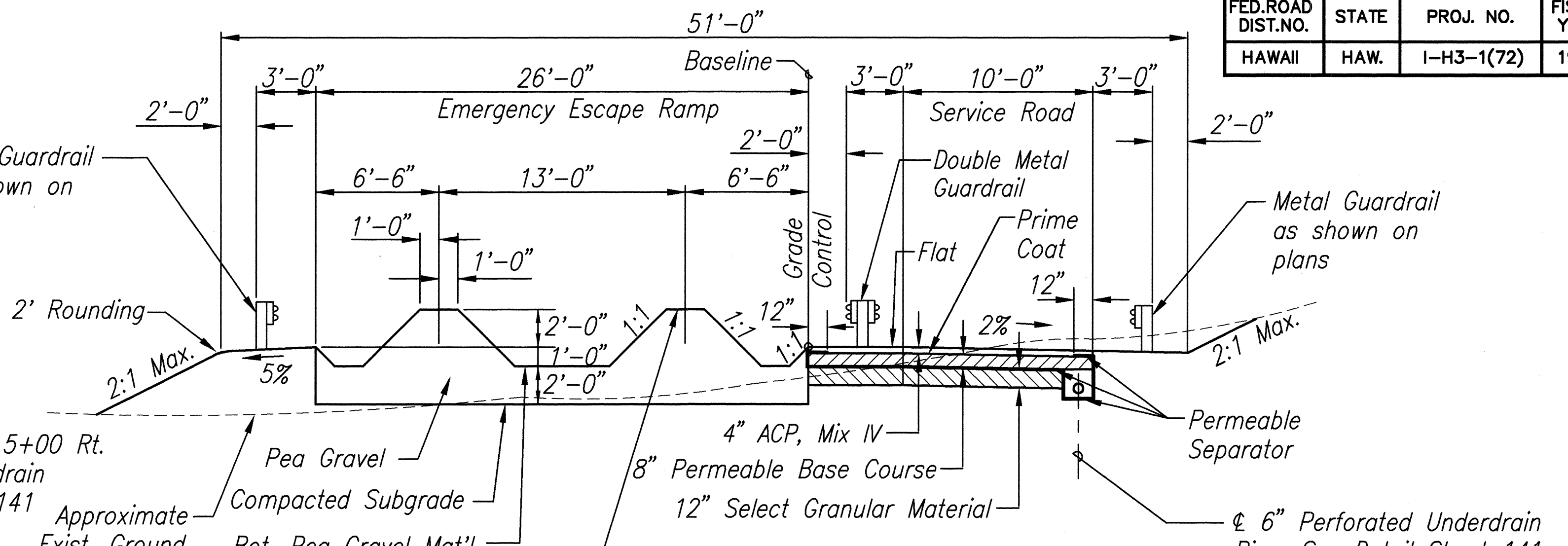
83-456 EVF:TP-KAP DWS DSK-KAP/AL FRONTAGE ROAD P-1=4 7/9/96 KN

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(72)	1991	C.O. ADD 11	521

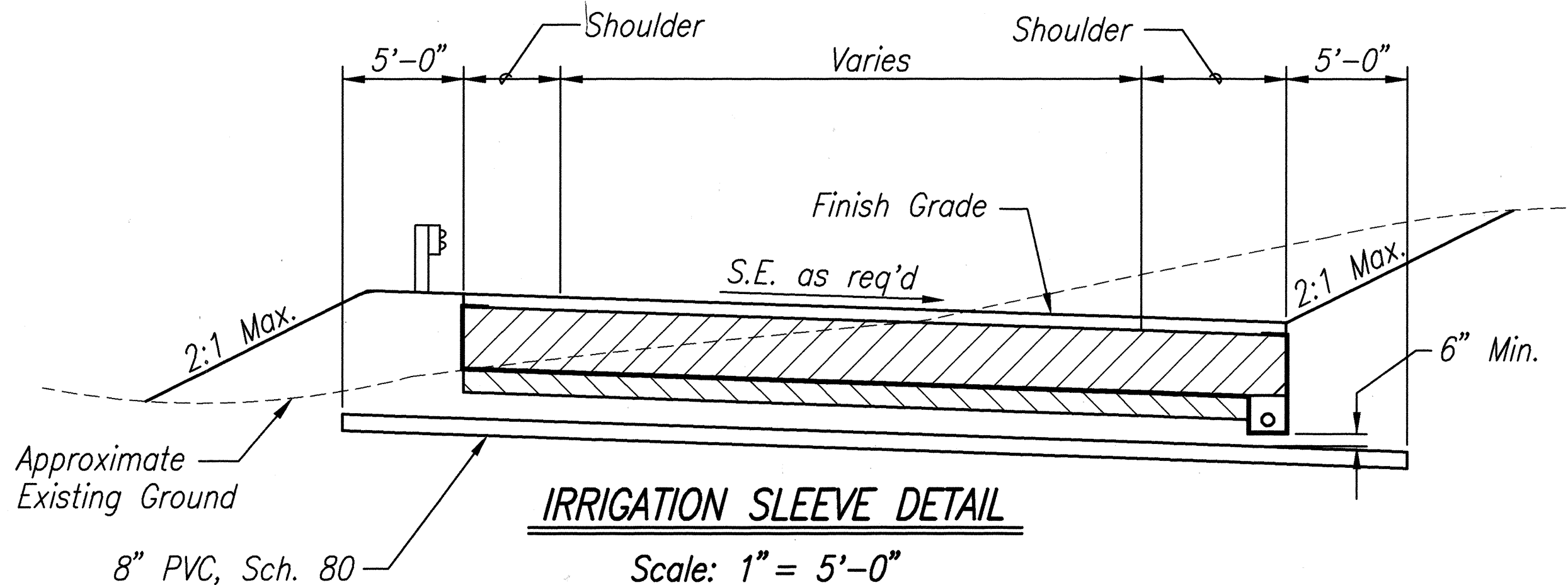


TYPICAL SECTION
WINDWARD HWY. EMERGENCY ESCAPE RAMP
 Sta. 3+91.81 to Sta. 5+00
 Scale: 1" = 5'-0"

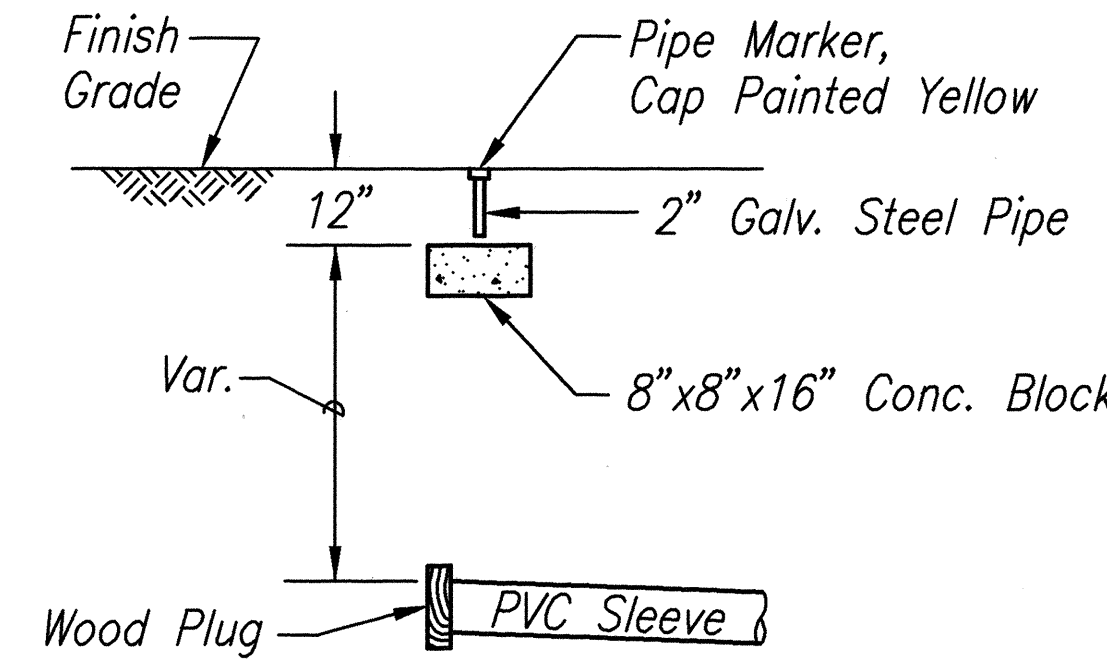
For Pea Gravel Transition,
 See Sheet 42



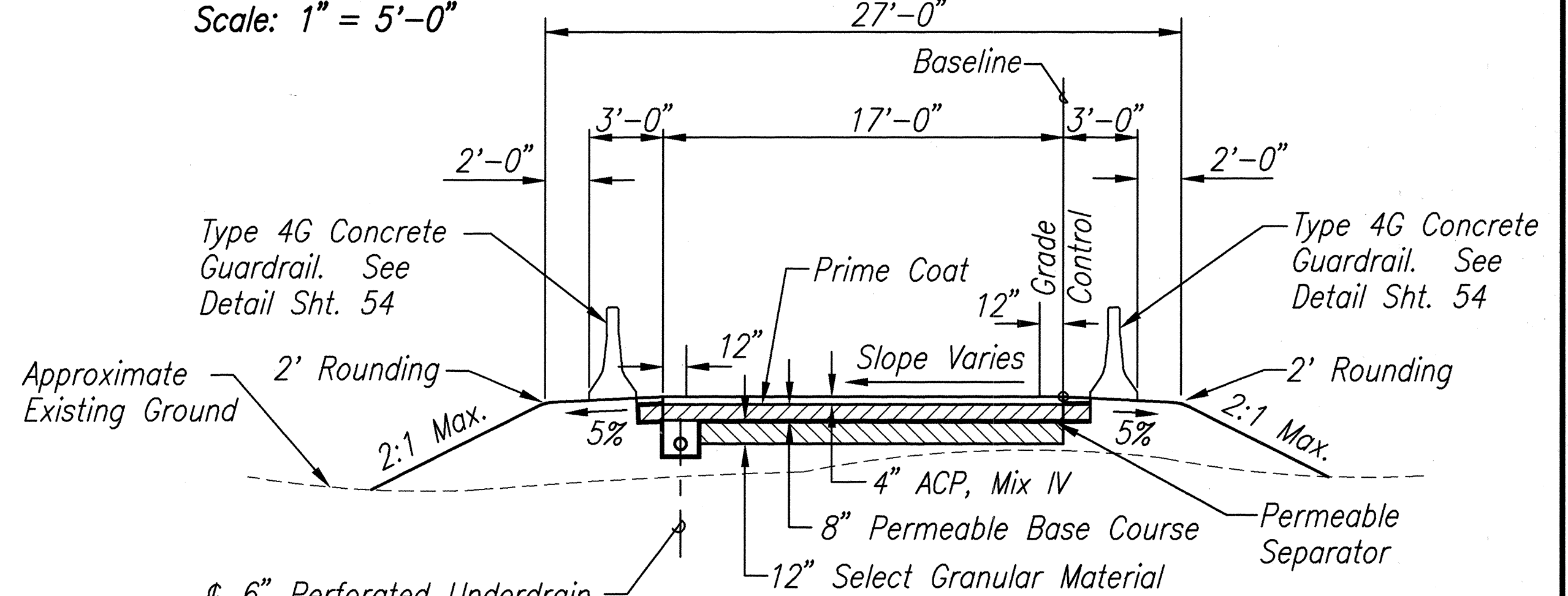
TYPICAL SECTION
WINDWARD HWY. EMERGENCY ESCAPE RAMP
 Sta. 6+00 to Sta. 10+00
 Scale: 1" = 5'-0"



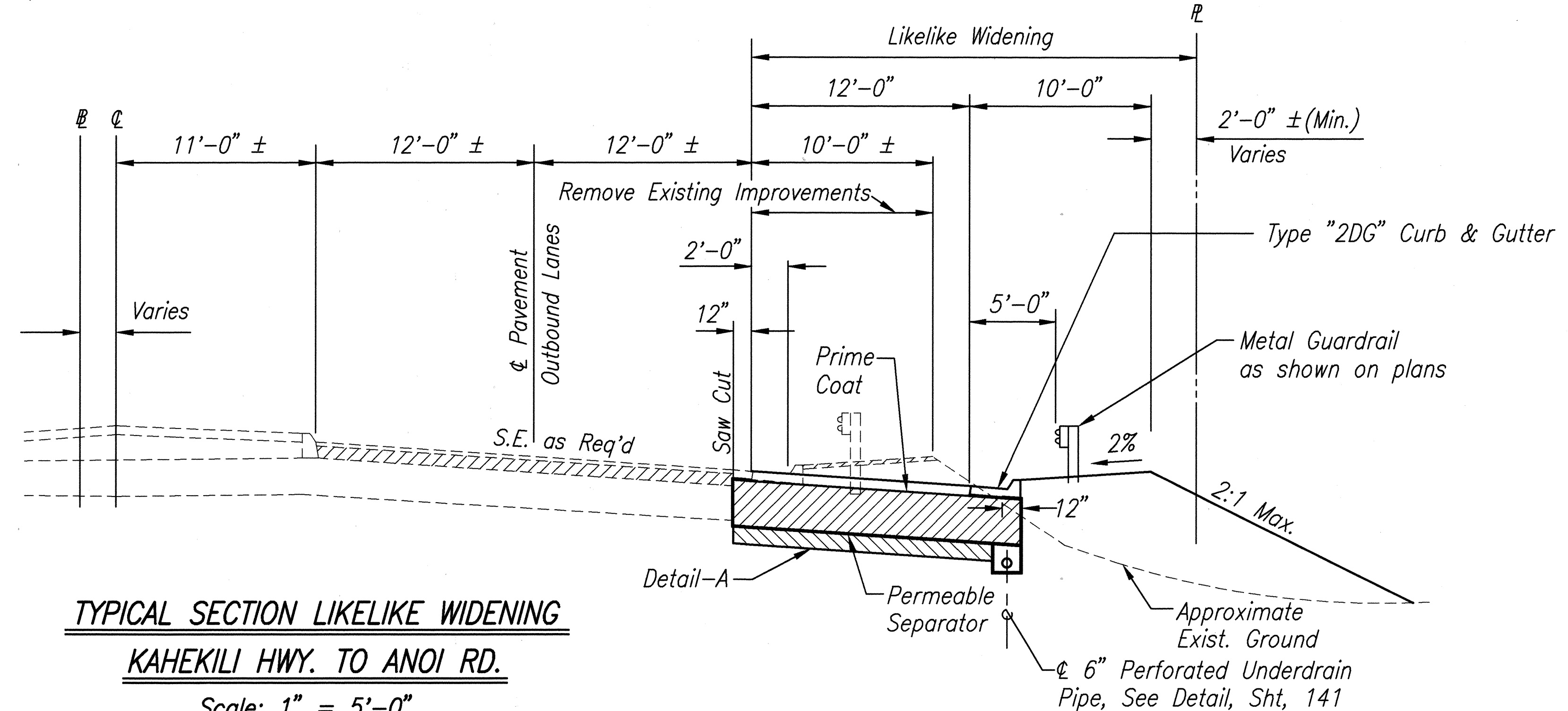
IRRIGATION SLEEVE DETAIL
 Scale: 1" = 5'-0"



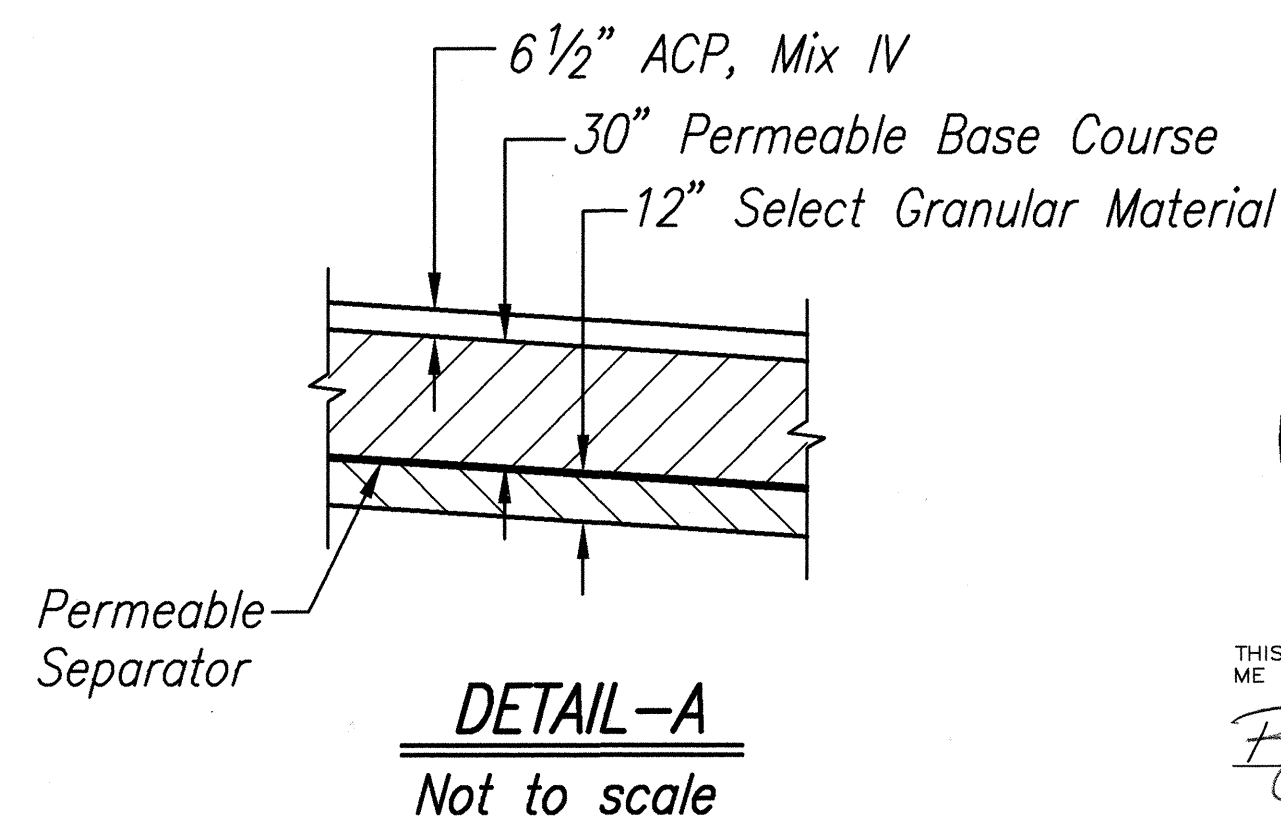
DETAIL-IRRIGATION SLEEVE PIPE MARKER
 N.T.S.



TYPICAL SECTION
LIKELIKE EMERGENCY TRUCK RAMP
 Scale: 1" = 5'-0"



TYPICAL SECTION LIKELIKE WIDENING
KAHEKILI HWY. TO ANOI RD.
 Scale: 1" = 5'-0"



DETAIL-A
 Not to scale

THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.
 Robert L. Itagaki
 REGISTERED PROFESSIONAL ENGINEER
 No. 1584-C
 HAWAII, U.S.A.

DATE	REVISION
11/9/93	Added Underdrain @ Likelike Widening
9/3/93	Extended A.C., Permeable Base Course, & Permeable Separator to Type 4G Guardrail @ Likelike Emergency Truck Ramp.
1/7/93	Added Underdrain at W.E.E.R.
2/14/92	Replaced Metal Guardrail along Likelike Emer. Escape Ramp with Type 4G Concrete Guardrail.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL RAMP
SECTIONS AND DETAILS
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(72)

SCALE: AS NOTED
DATE: DEC. 1991

SHEET No. OF SHEETS