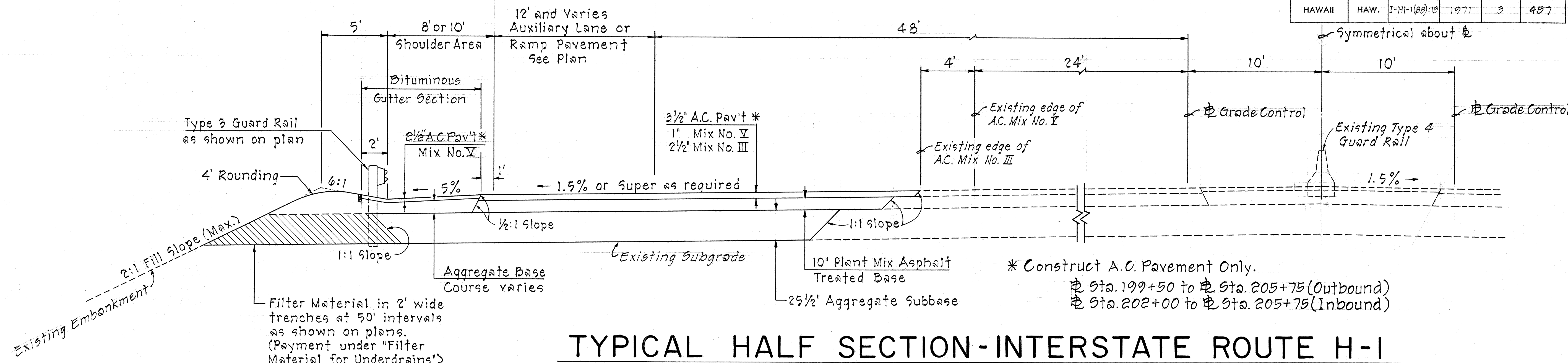


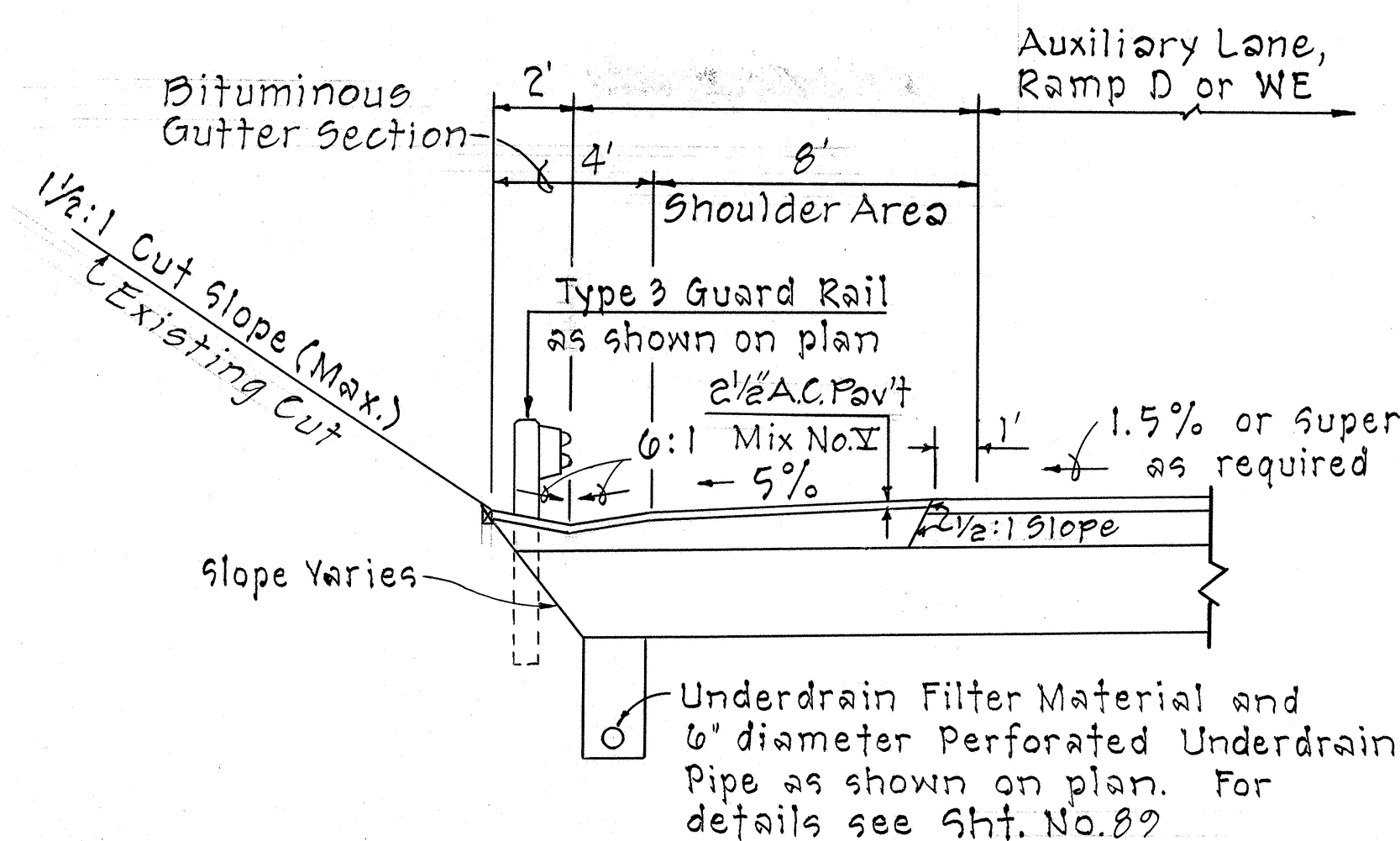
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	3	457



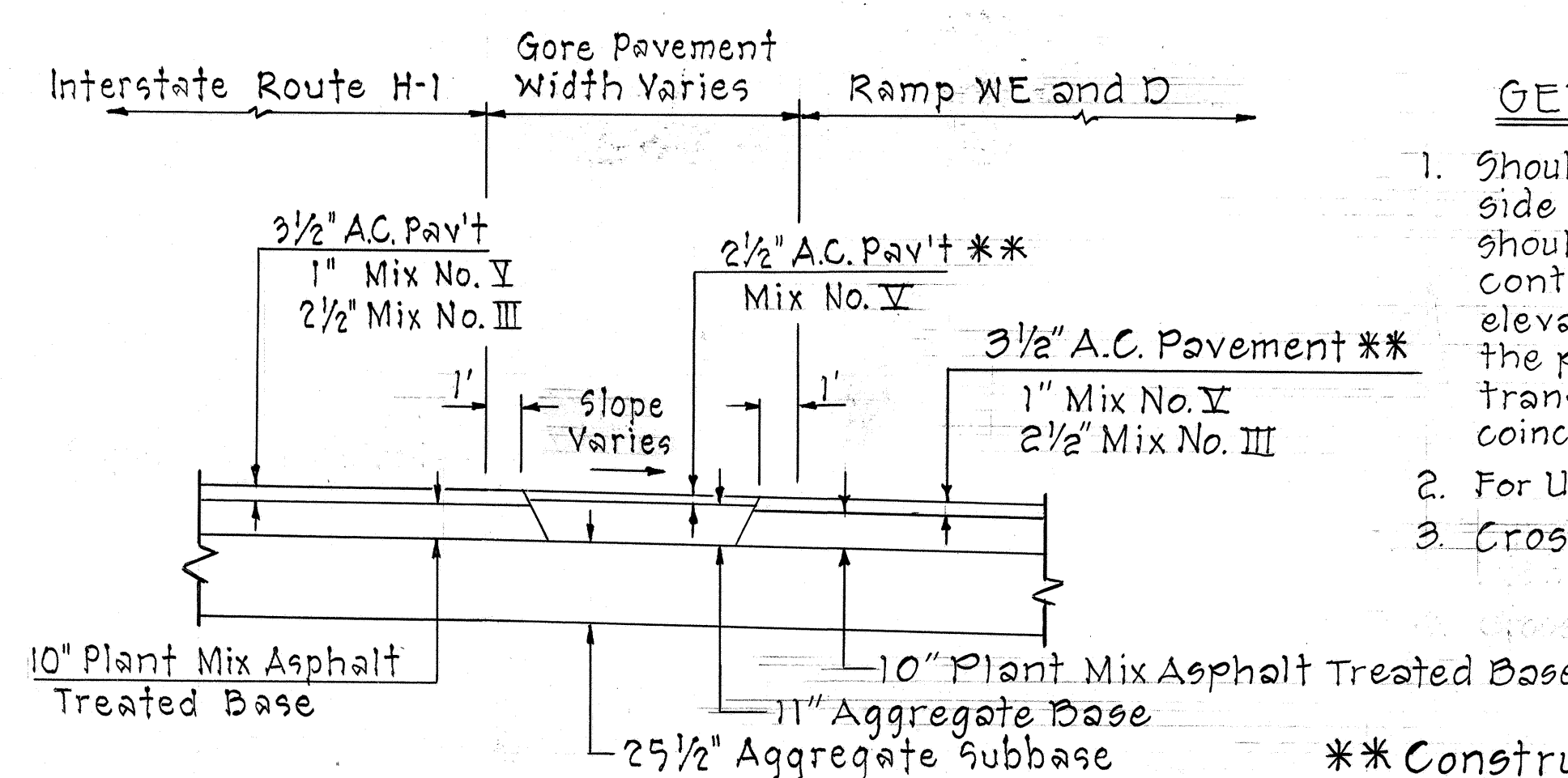
TYPICAL HALF SECTION-INTERSTATE ROUTE H-1

STATION 195+00 TO STATION 199+50 (OUTBOUND)

STATION 195+00 TO STATION 202+00 (INBOUND)



SHOULDER-CUT SECTION



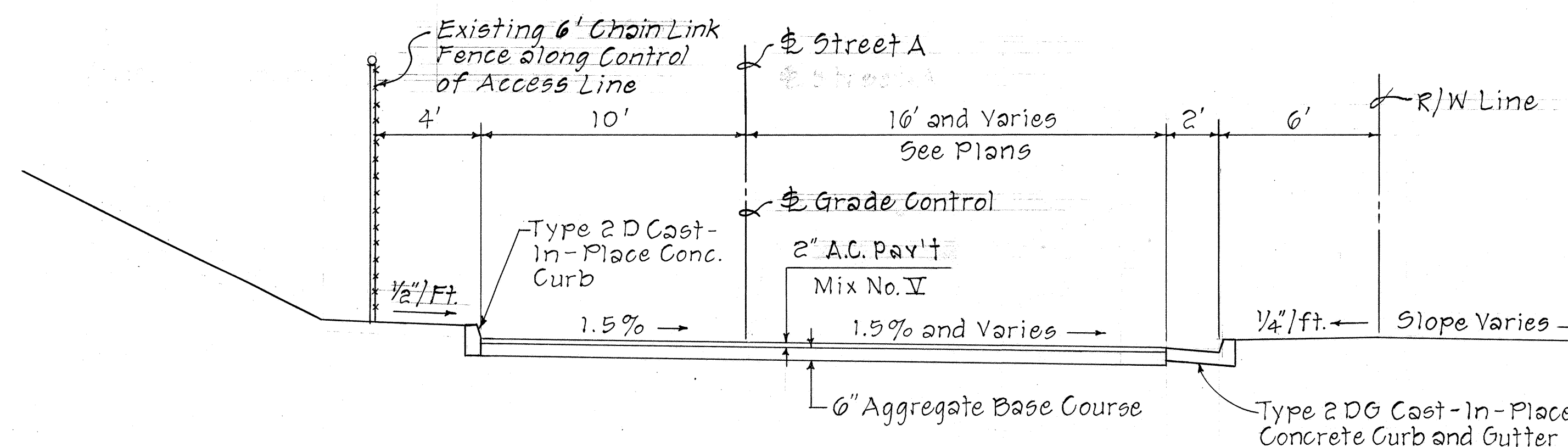
GORE AREA - RAMP WE

GENERAL NOTES FOR TYPICAL SECTIONS

- Shoulder slope at normal sections shall be 5%. On the low side of super-elevated sections, when pavement slope towards shoulder exceeds 5%, then the shoulder slope shall be continuous with the pavement slope. On the high side of super-elevated sections, shoulder slope shall be continuous with the pavement slope, when slope equals or exceeds 0%. The transition from normal shoulder slope of 5% to 0% shall coincide with the pavement crown runoff.
- For Underdrain details, see "Drainage Details," Sheet No. 89
- Cross slope of subbase same as pavement slope.

** Construct A.C. Pavement Only.

WE Ramp Sta. 202+00 to Sta. 203+65.47
Ramp D Sta. 42+23.09 to Sta. 46+43.25



STREET A

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

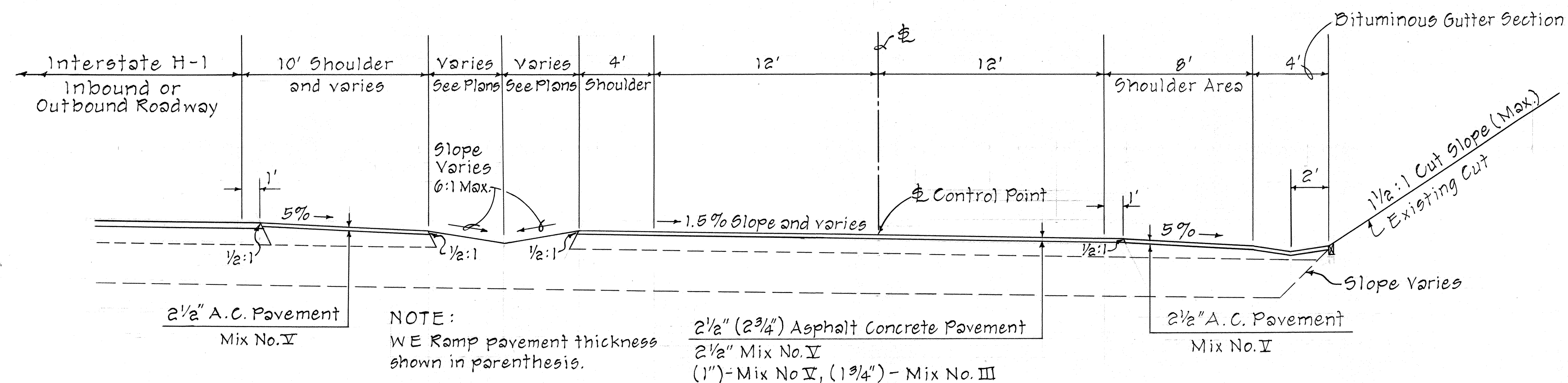
TYPICAL SECTIONS

HALAWA INTERCHANGE
PROJECT No. I-HI-1(88):13

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

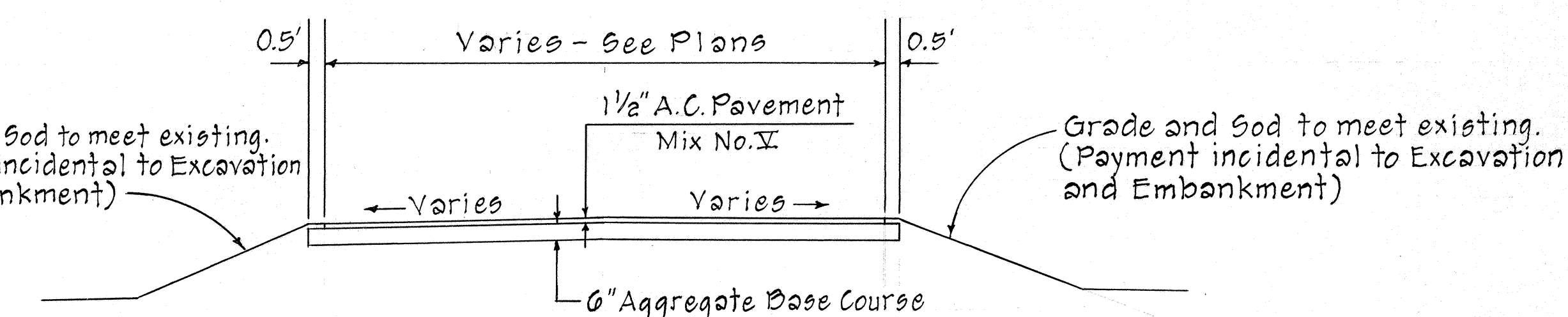
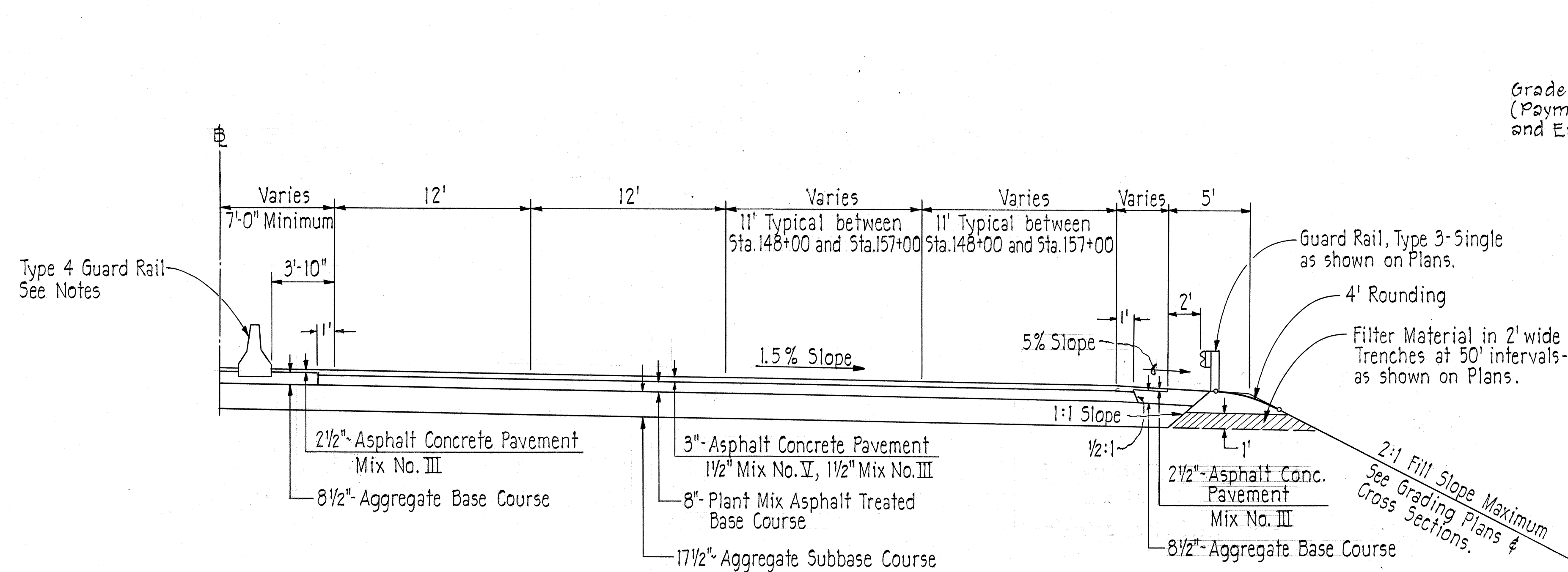
SHEET No. 1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)13	1971	4	457



RAMP D (Sta. 40+92.75 to Sta. 42+23.09)
WE RAMP (Sta. 203+65.47 to Sta. 205+01.37)

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



DRIVEWAY

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

4-2-74 Moanalua Freeway Section

DATE REVISION

MOANALUA FREEWAY INBOUND LANES (STA. 143+00 - 159+00 RT.)

SCALE: 1" = 5'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

HALAWA INTERCHANGE
PROJECT No. I-HI-1(88)13

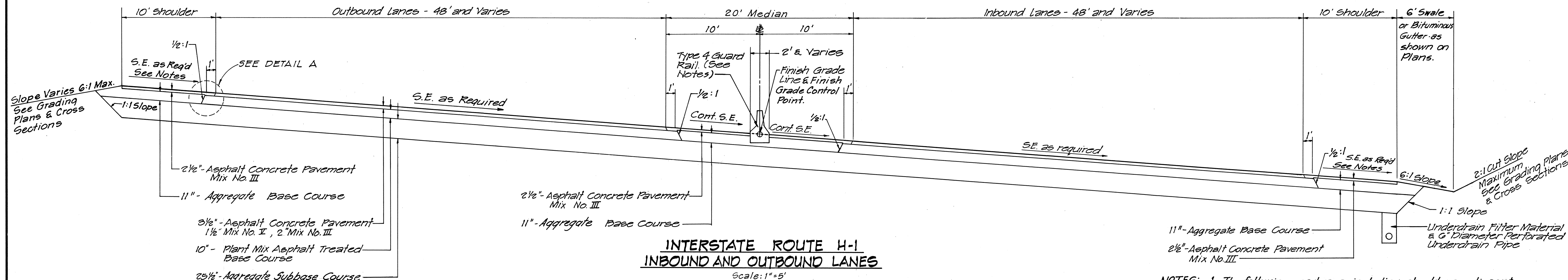
Scale: As Noted

SHEET No. 2 OF 7 SHEETS

C.O. 41

DATE	DESIGNED BY	CHECKED BY
PLANNED BY	NOTED BY	
DESIGNED BY	NOTED BY	
CHECKED BY	NOTED BY	
ORIGINAL	NOTE BOOK	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)-13	1971	5	457



INTERSTATE ROUTE H-1 INBOUND AND OUTBOUND LANES

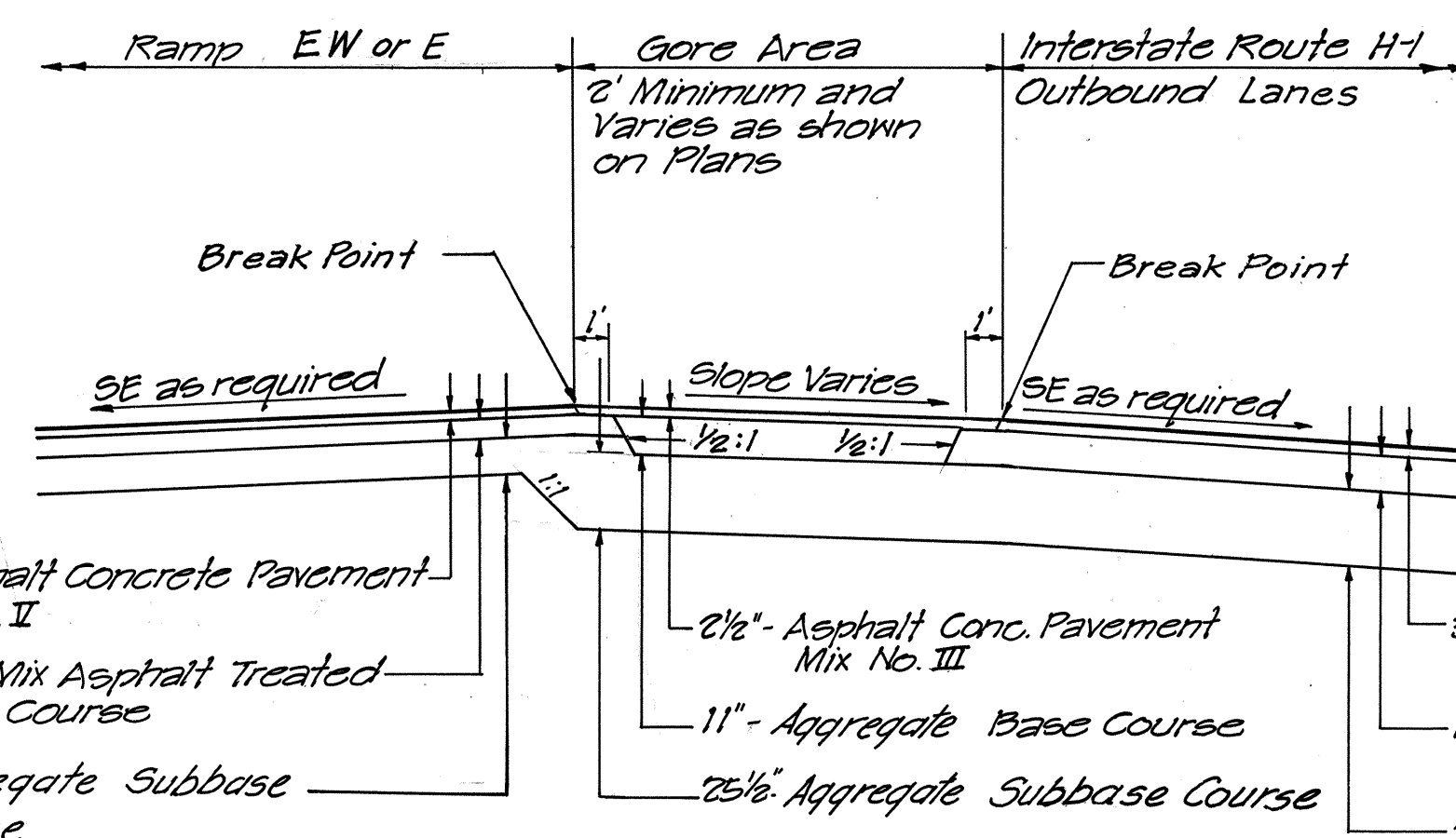
Scale: 1"=5'

- NOTES:**
- The following roadways, including shoulders adjacent thereto, shall not be paved with Asphalt Concrete Pavement Mix No. I and/or Mix No. III:
Interstate Route H-1-Outbound Roadway
EW Ramp
Ramp E

The Contractor shall complete all other final construction of the above roadways, as shown on plans and typical sections, including preparation and treatment with Prime Coat of the exposed Aggregate Base Course material in shoulders, as per Note 6 below.

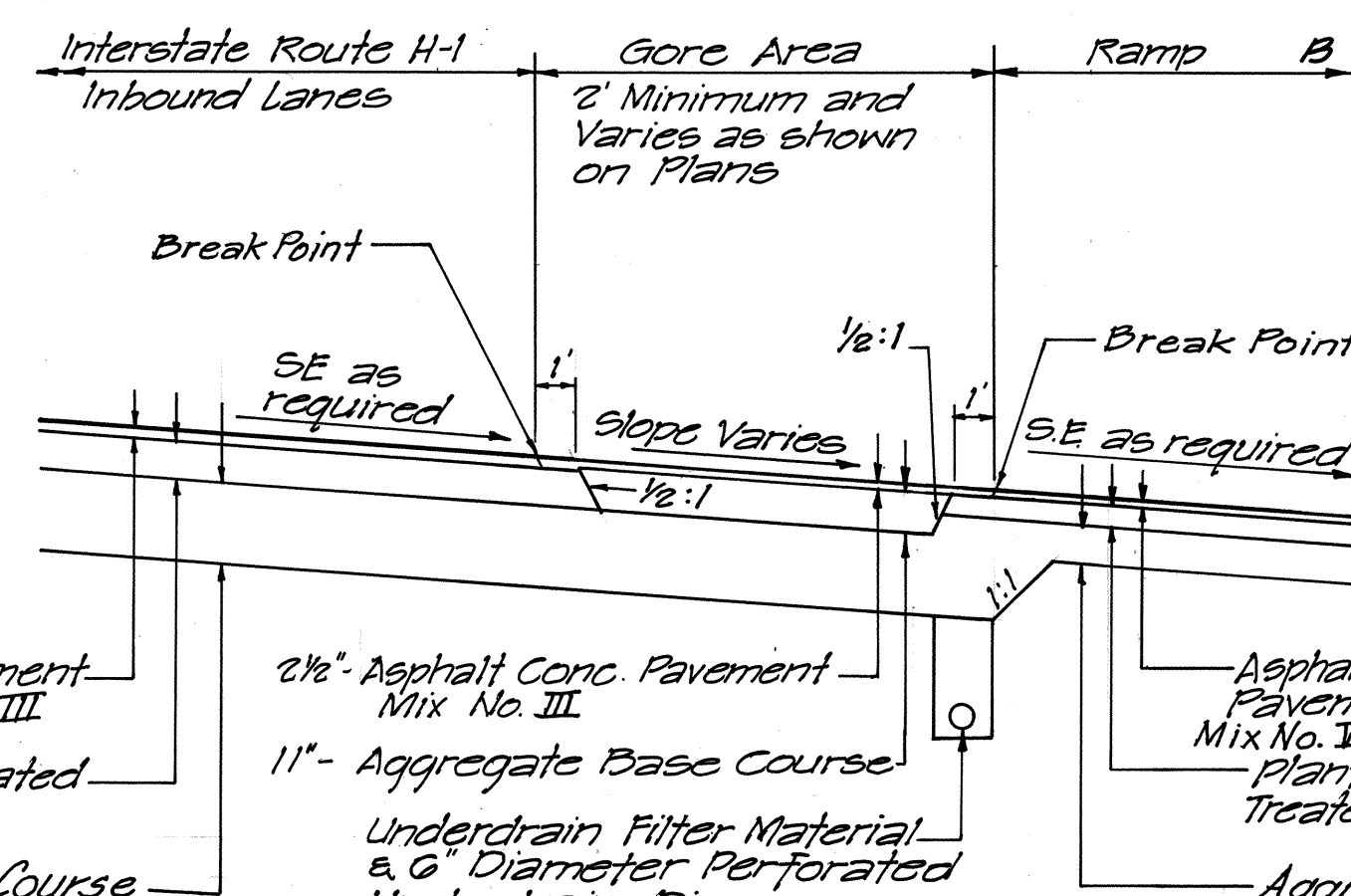
- Shoulder Slope at Normal Sections shall be 5%. On low side of Superelevated Sections when pavement slope towards shoulder exceeds 5%, then the shoulder slope shall be continuous with the pavement slope. On high side of Superelevated Sections, shoulder slope shall be continuous with the pavement slope, when slope equals or exceeds 0%. The transition from normal shoulder slope of 5% to 0% shall coincide with the Pavement Crown runoff. Slope transitions at Structure approaches shall be 1% per 20 Feet.
- For Underdrain Details, see "Drainage Details," Sheet No. 89. For exact locations see Grading and Drainage Plans.
- For variations in Type 4 Guard Rail, see "Miscellaneous Roadway Details," Sheet No. 53 & 54.
- Cross Slope of Subbase shall be identical to the Pavement Cross Slope.
- All subbase surfaces to be paved with either Asphalt Concrete Pavement or Plant Mix Asphalt Treated Base shall be prepared, and treated with Prime Coat. Payment will be made under Item 408.01, MC-30 Liquid Asphalt for Prime Coat.
- Filter Material in 2' wide trenches at 50' intervals to be paid for under Item 206.83, Filter Material for Underdrains. See Drainage Summary.

See Pavement Thickness Table, Sheet No. 7



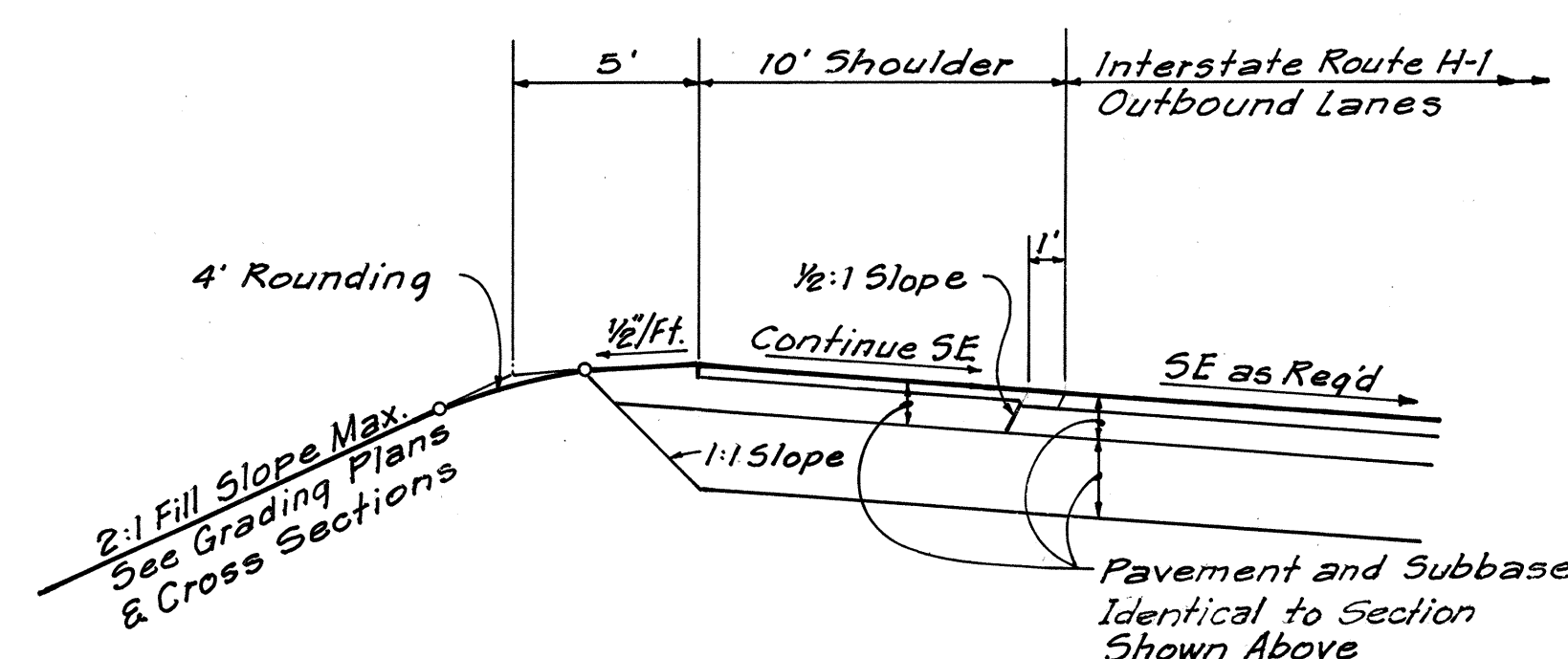
GORE AREA DETAIL

RAMPS EW, E & H-1 OUTBOUND
Scale: 1"=5'



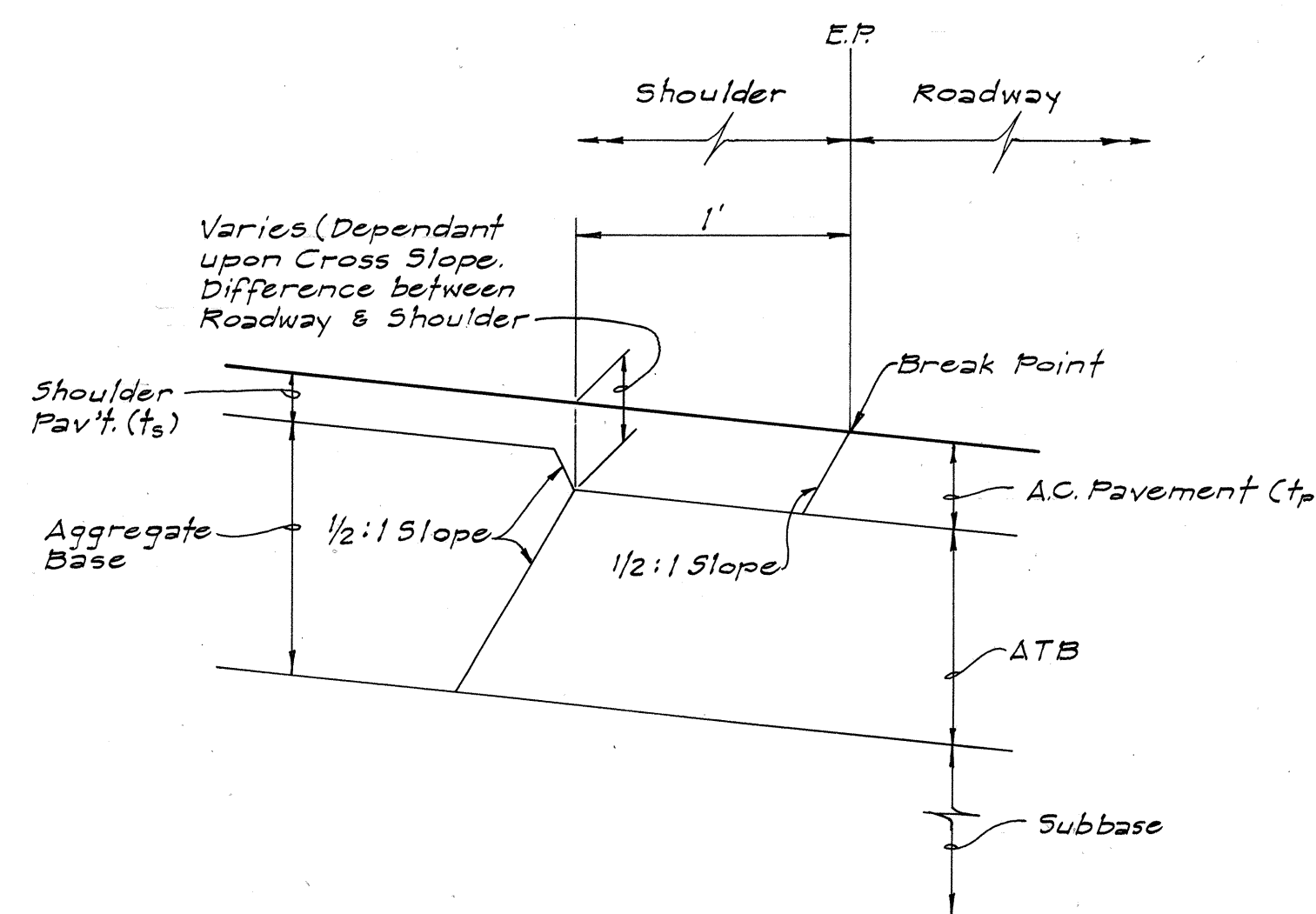
GORE AREA DETAIL

RAMP B & H-1 INBOUND
Scale: 1"=5'



SHOULDER DETAIL

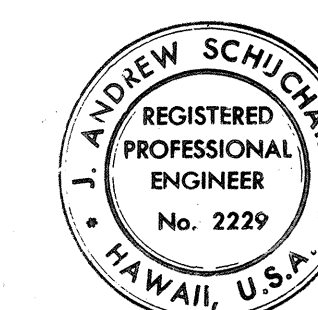
H-1 OUTBOUND
Scale: 1"=5'



DETAIL A

NO SCALE

FOR PAVEMENT EDGES WHERE SHOULDER PAVEMENT SURFACE THICKNESS IS LESS THAN ROADWAY PAVEMENT SURFACE. ($t_s < t_p$)



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88)-13

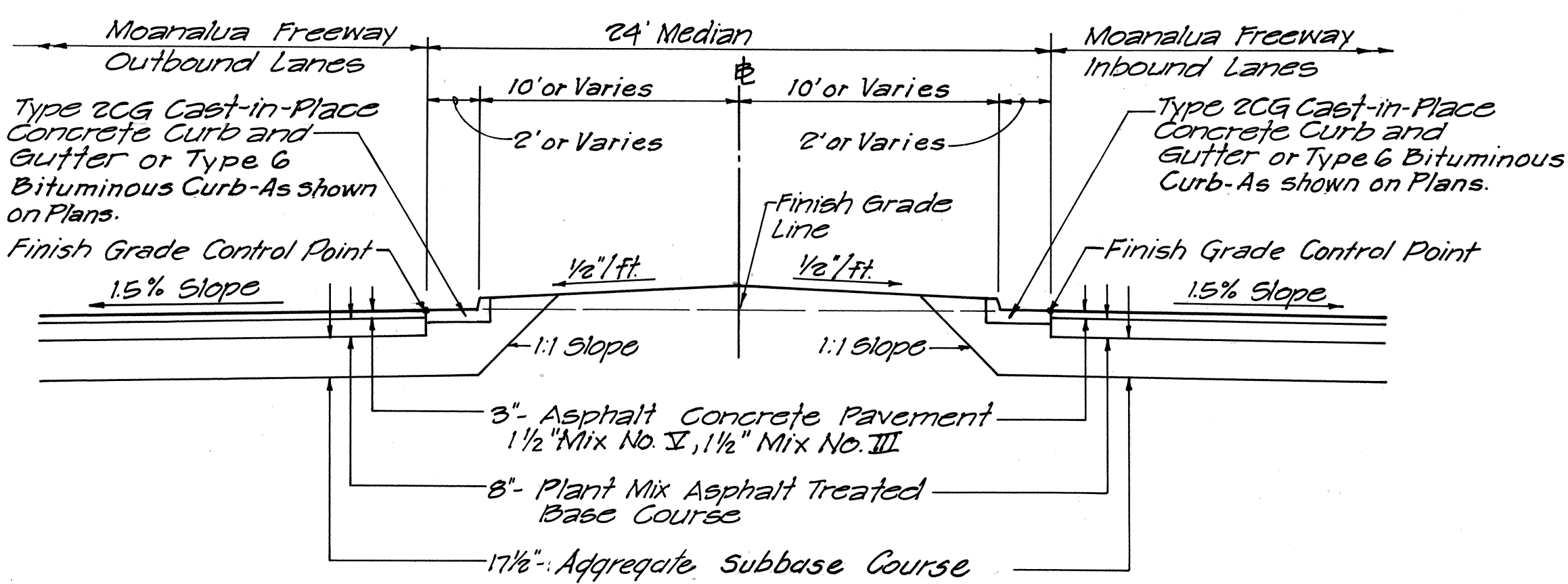
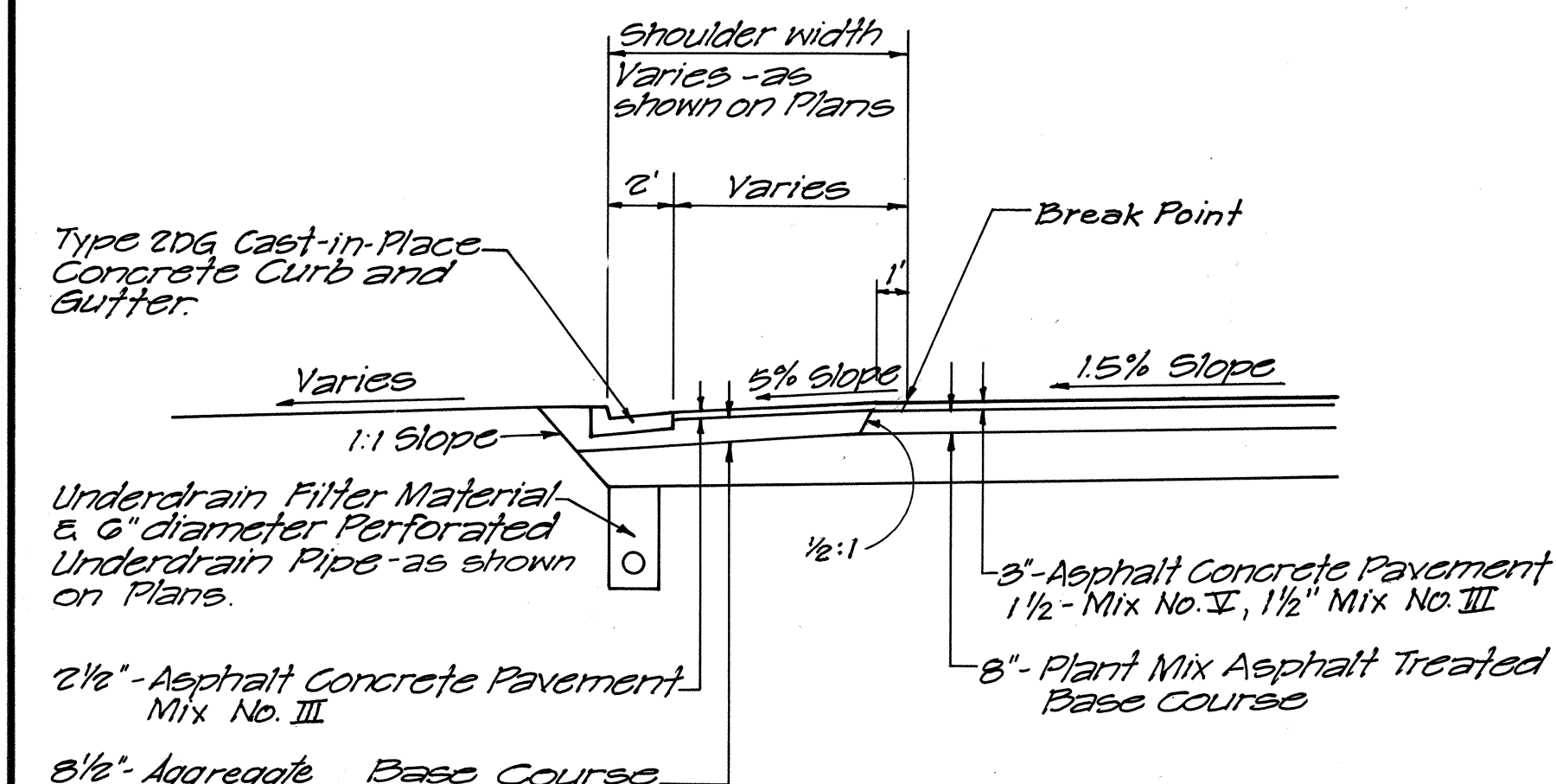
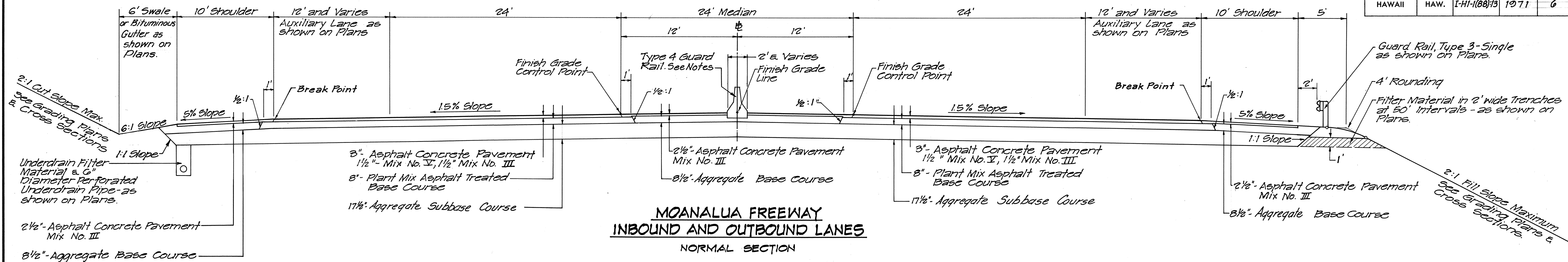
SCALE: 1"=5'

DATE: JULY 17, 1970

SHEET No. 3 OF 7 SHEETS

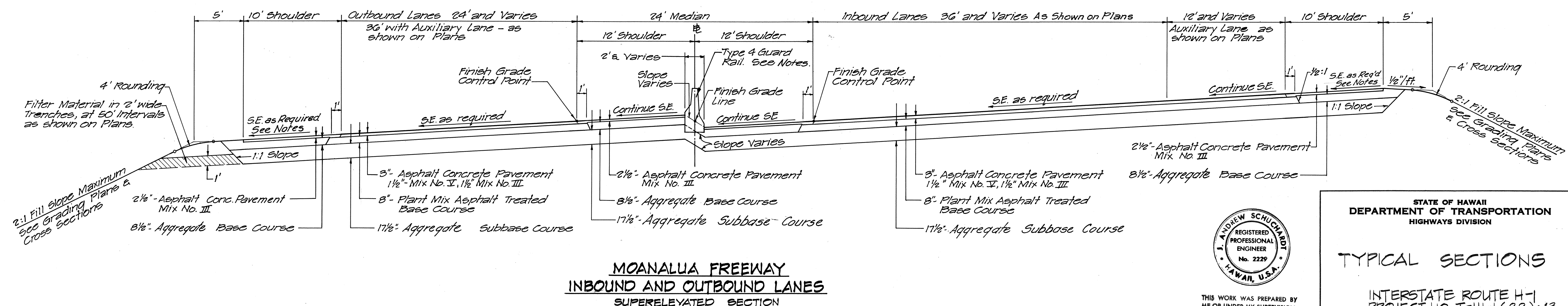
DATE	*****
SURVEY PLATTED BY	*****
DRAWN BY	*****
CHECKED BY	*****
NOTE BOOK	*****
No.	*****

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)/13	1971	6	457

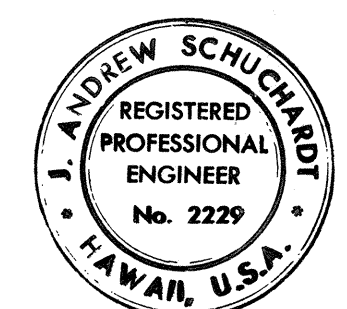


NOTE:
See Sheet No. 5 for Notes.
See Sheet No. C04 for Moanalua Freeway Inbound Lanes Section Between Sta. 143+00 to Sta. 159+00.

3-20-74	Moanalua Freeway Note
DATE	REVISION



DATE	BY
DESIGNED BY	NO. 2229
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88):13

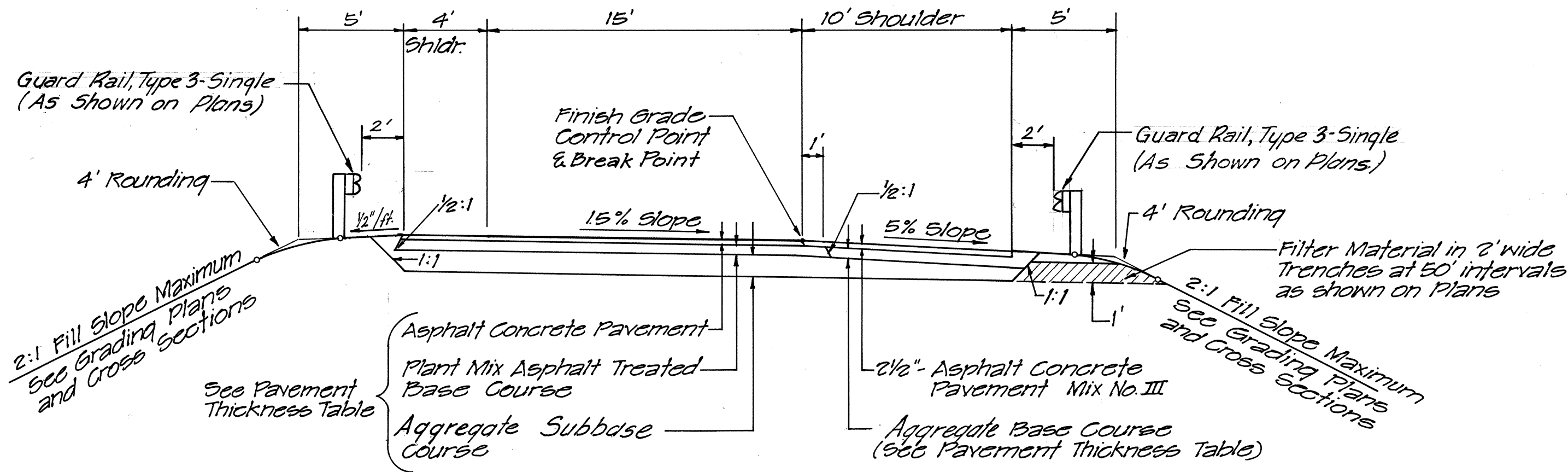
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DATE: JULY 17, 1970

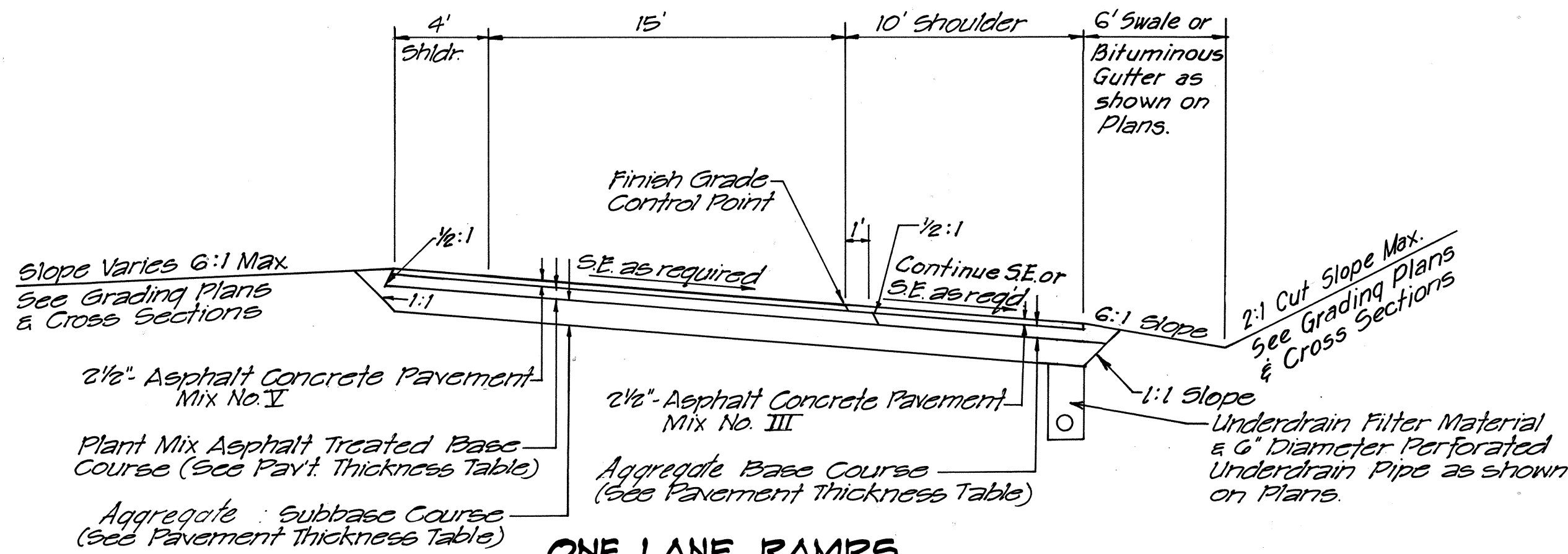
SHEET No. 4 OF 7 SHEETS

C.O. 6

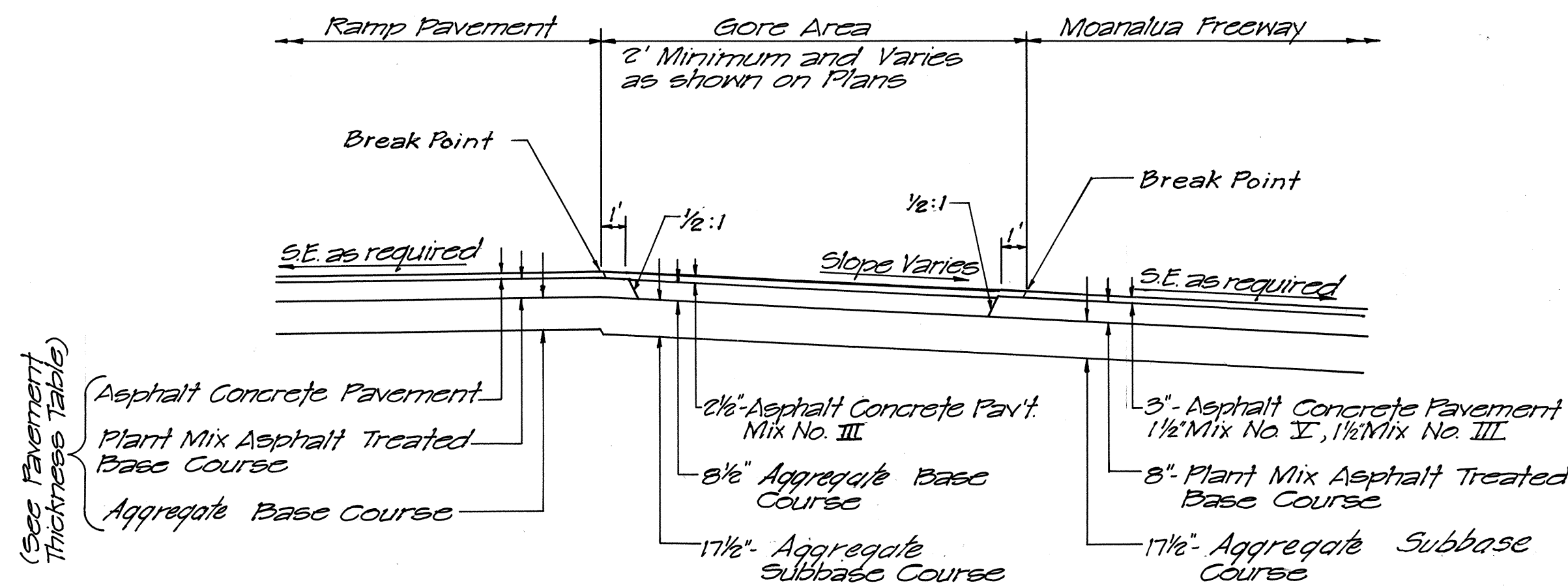
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88)-13	1971	7	457



ONE LANE RAMPS
NORMAL SECTION - RAMPS B, C, E, G, J & EW



ONE LANE RAMPS
SUPERELEVATED SECTION
RAMPS B, C, E, G, J & EW



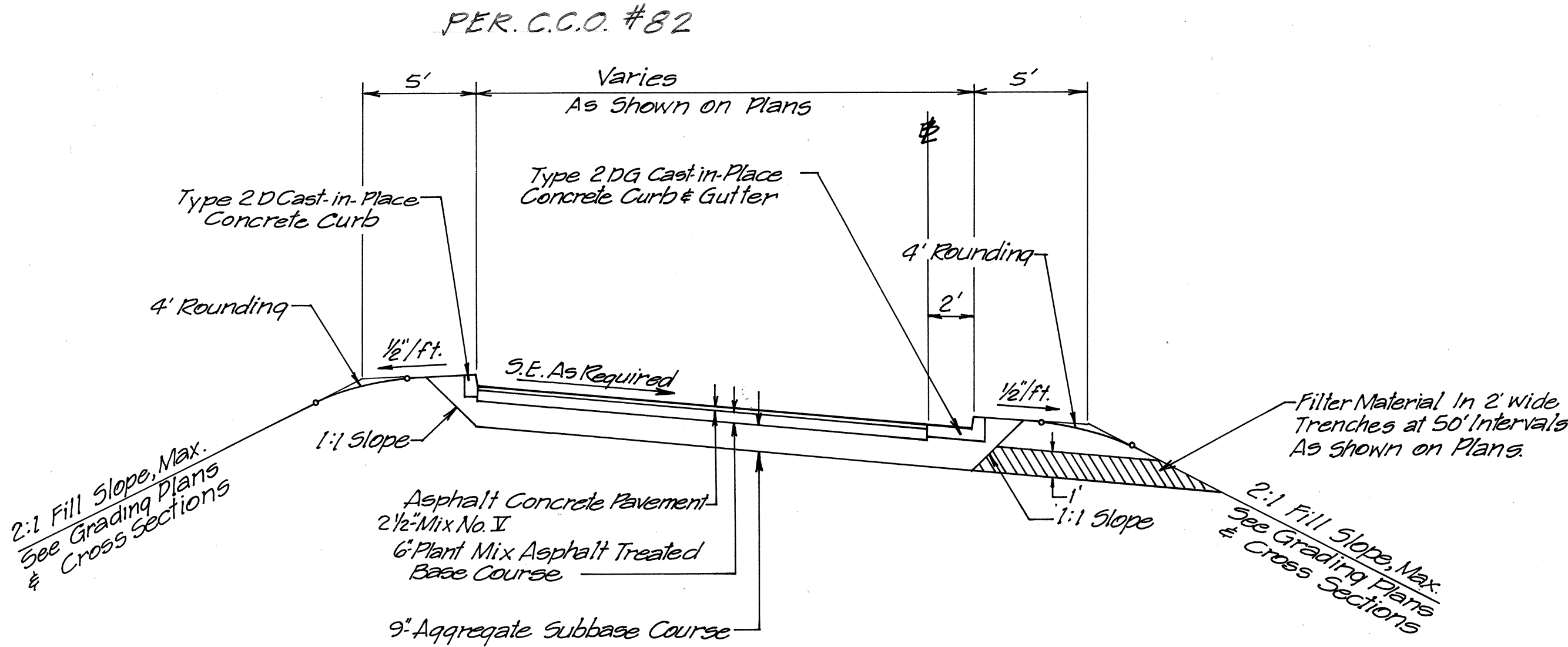
TYPICAL GORE AREA DETAIL
RAMPS B, C, D, E, H, J ADJOINING MOANALUA FREEWAY

PAYEMENT THICKNESS TABLE								
MATERIALS	RAMP B	RAMP D	RAMP E	RAMP G	EW RAMP	WE RAMP	RAMP J	RAMP C
Asphalt Concrete Pavement	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 3/4"	2 1/2"	2 1/2"
Mix No. I	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	1 1/4"	2 1/2"	2 1/2"
Mix No. III	—	—	2 1/2" *	—	—	1 1/2"	—	—
Plant Mix Asphalt Treated Base Course	5 1/2"	7 1/2"	6"	4 1/2"	6"	8"	4 1/2"	6 1/2"
Aggregate Subbase Course	13 1/2"	16"	14"	13 1/2"	14"	21"	12"	14"
Aggregate Base Course (Shoulder)	5 1/2"	7 1/2"	6"	4 1/2"	6"	8 1/4"	4 1/2"	6 1/2"

* On shoulder from Sta. 14+50 to 29+00

NOTE:

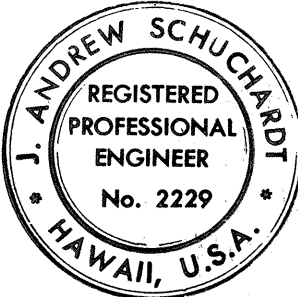
- Tack Coat SS-1, diluted with 4 parts water to one part SS-1, used in lieu of Prime Coat MC-30 on aggregate base at following locations: Ramp EW, Sta. 134+00 ± to 136+85 ±; Moanalua Fwy. Outbound Sta. 151+00 to 159+00; Ramp EW-H-1 Sta. 205+75 to EW 127+00 Rt.; Ramp D Sta. 10+00 to 17+00; Ramp G Sta. 22+00 to 26+75; Ramp B Sta. 14+50 to 22+00; H-1 Outbound Sta. 203+65 to 214+00; Ramp E Sta. 10+85 to 23+77.
- Prime Coat MC-30 was deleted from use on aggregate base at the following locations Ramp G, Sta. 22+00 to 26+75; Ramp EW, Sta. 132+40 to 134+00; Ramp D, Sta. 14+00 to 17+00.



RAMP H

NOTE:
See Sheet No. 5 for Notes

SURVEY PLOTTED BY	DATE
DRAWN BY	" "
CHECKED BY	" "
NOTED BY	" "
NO.	" "

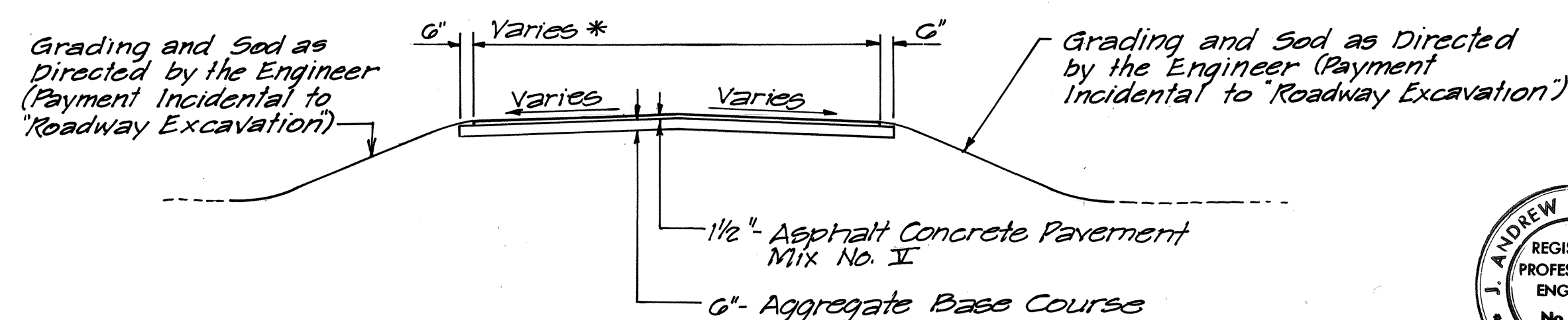
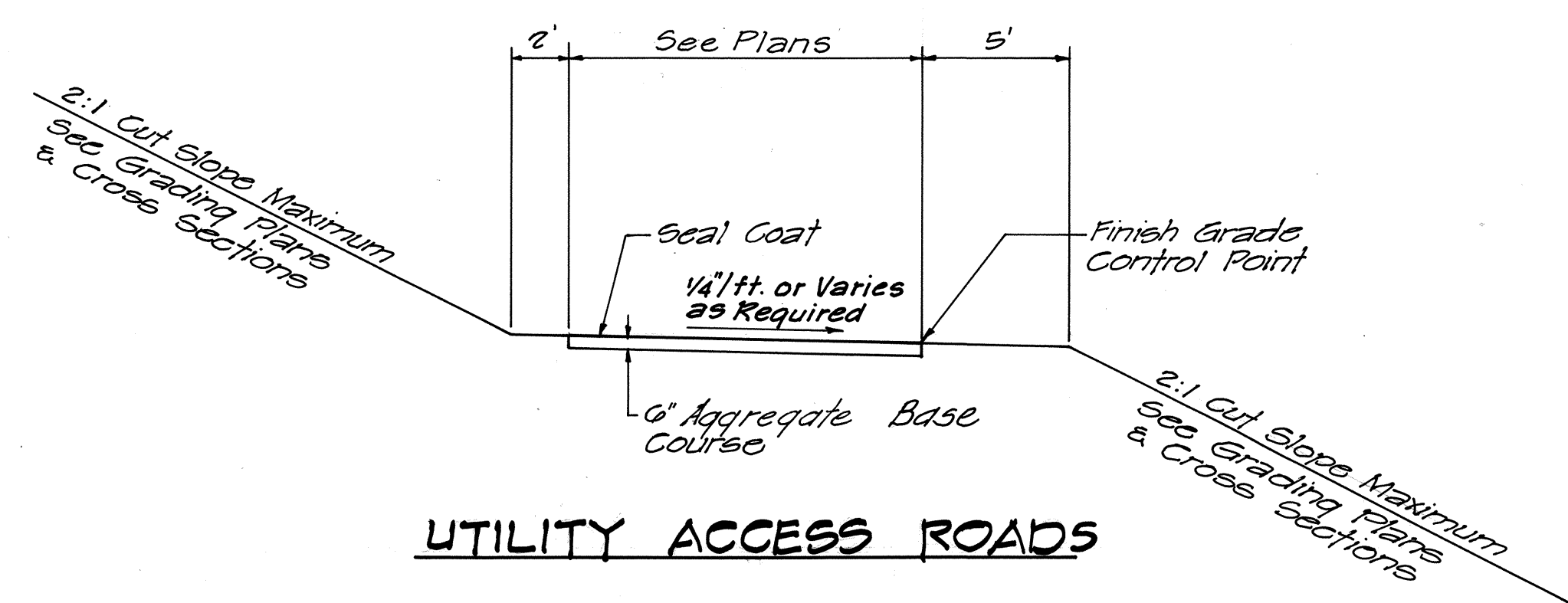
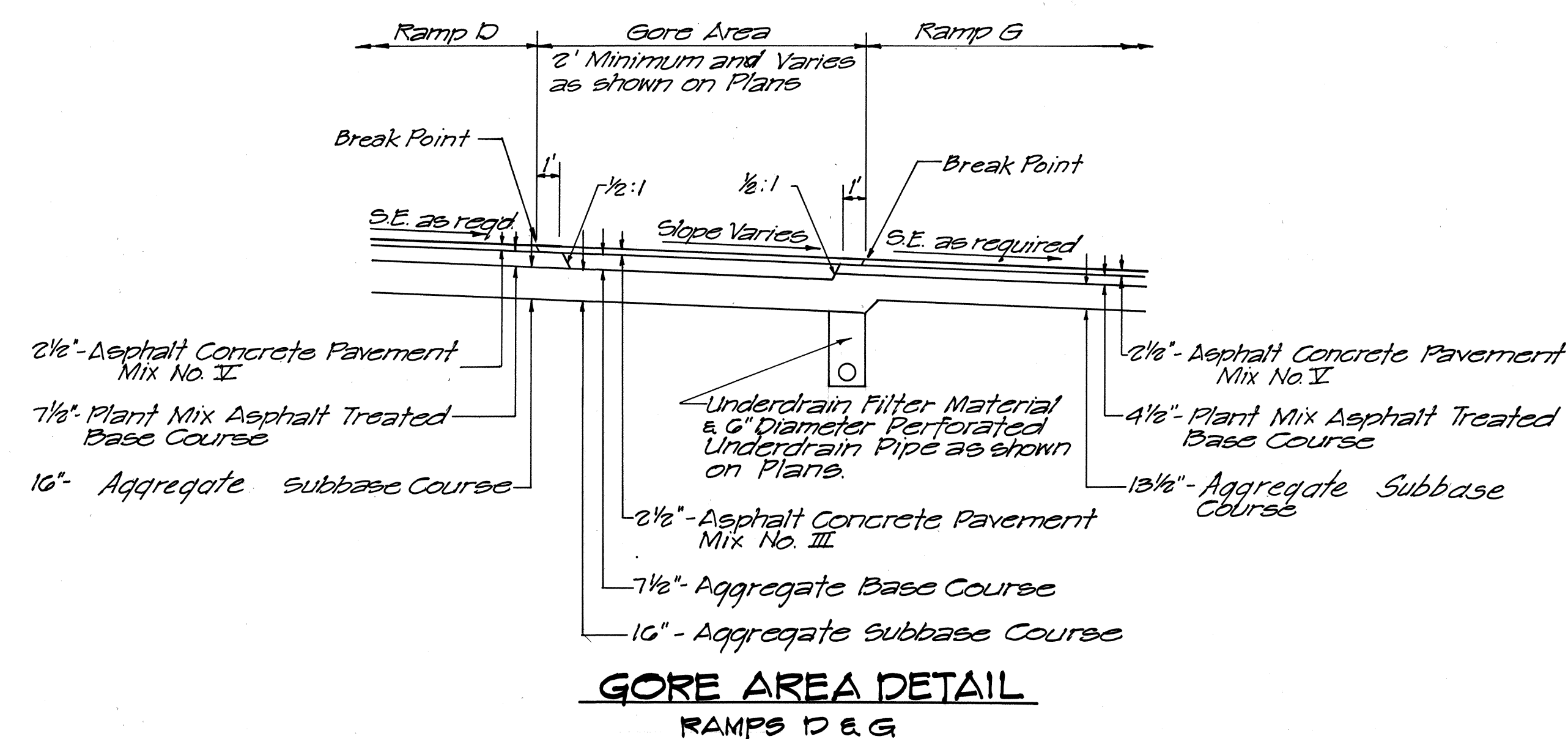
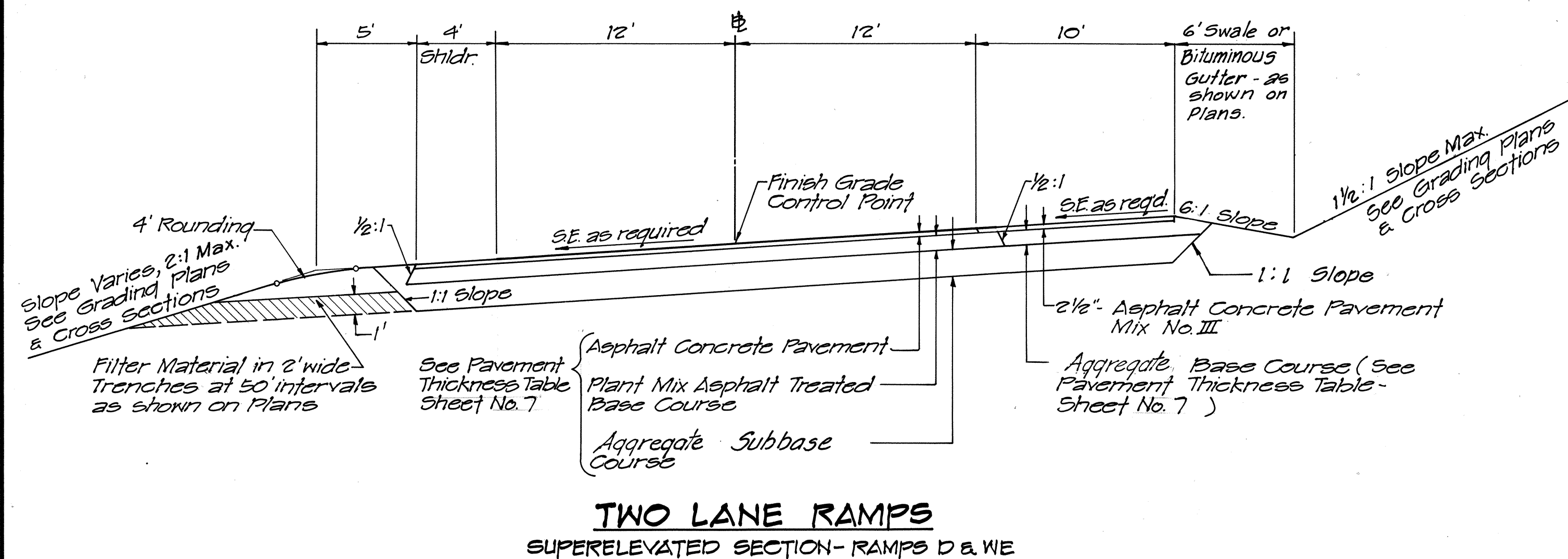
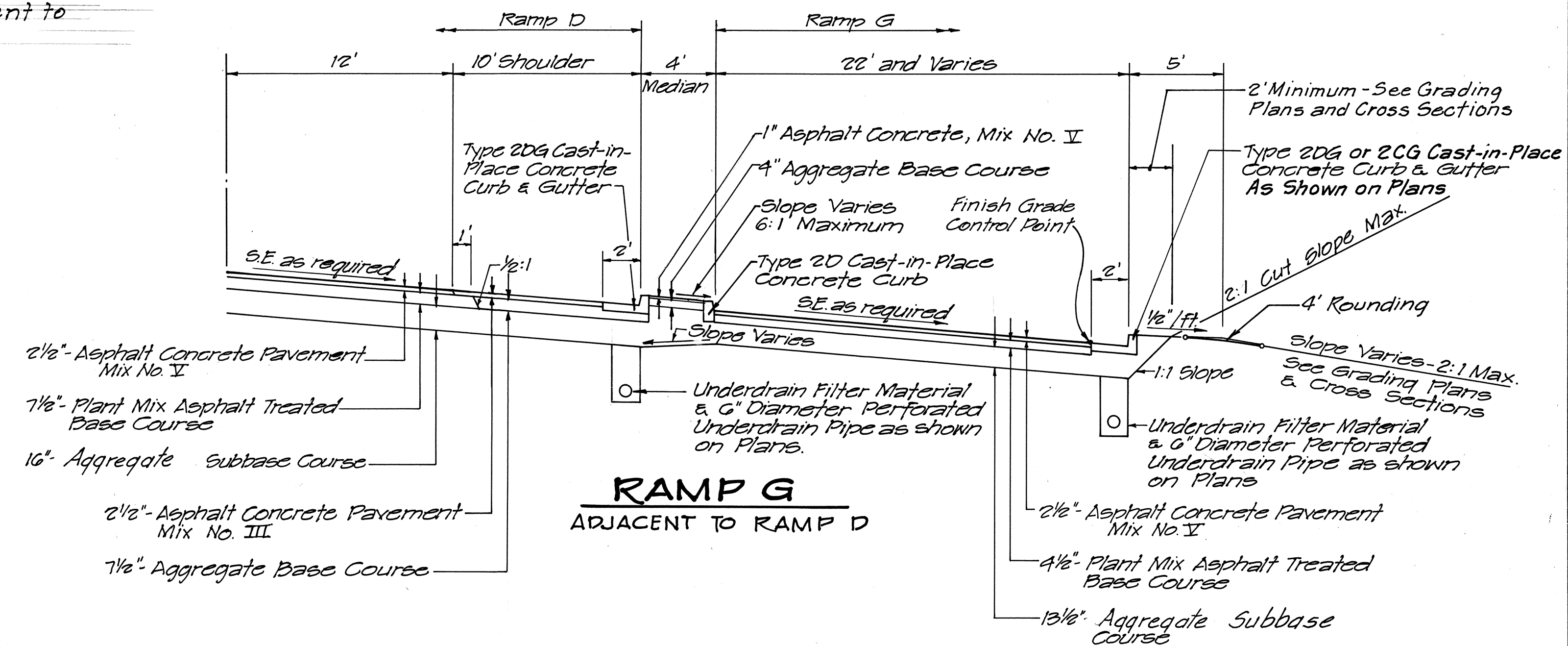
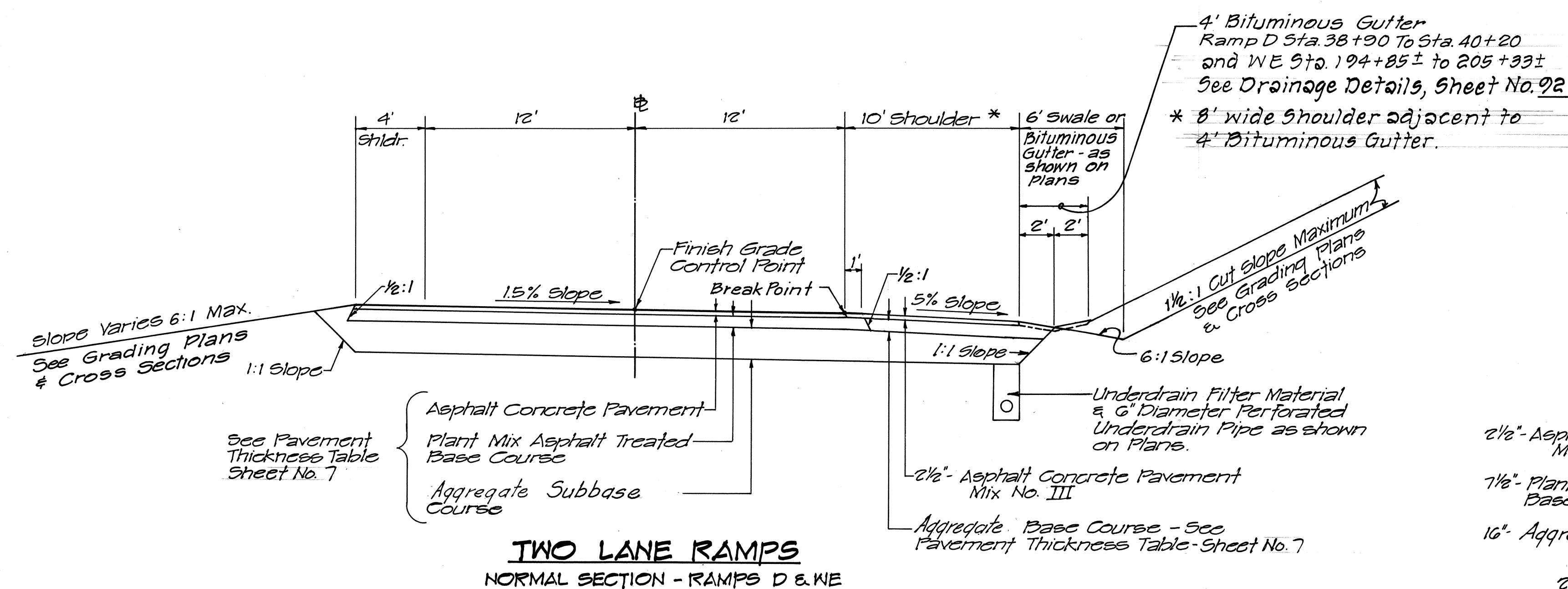


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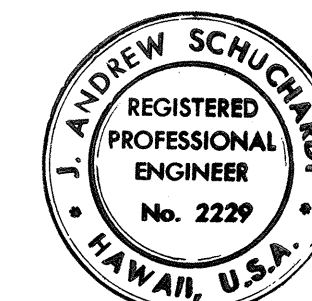
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(88)-13
SCALE: 1"=5' DATE: July 17, 1970
SHEET No. 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	8	457



NOTE:
See Sheet No. 5 for Notes.



**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

TYPICAL SECTIONS

INTERSTATE ROUTE 4-I
PROJECT NO. I-4-I(88):13

SCALE: 1"=5'

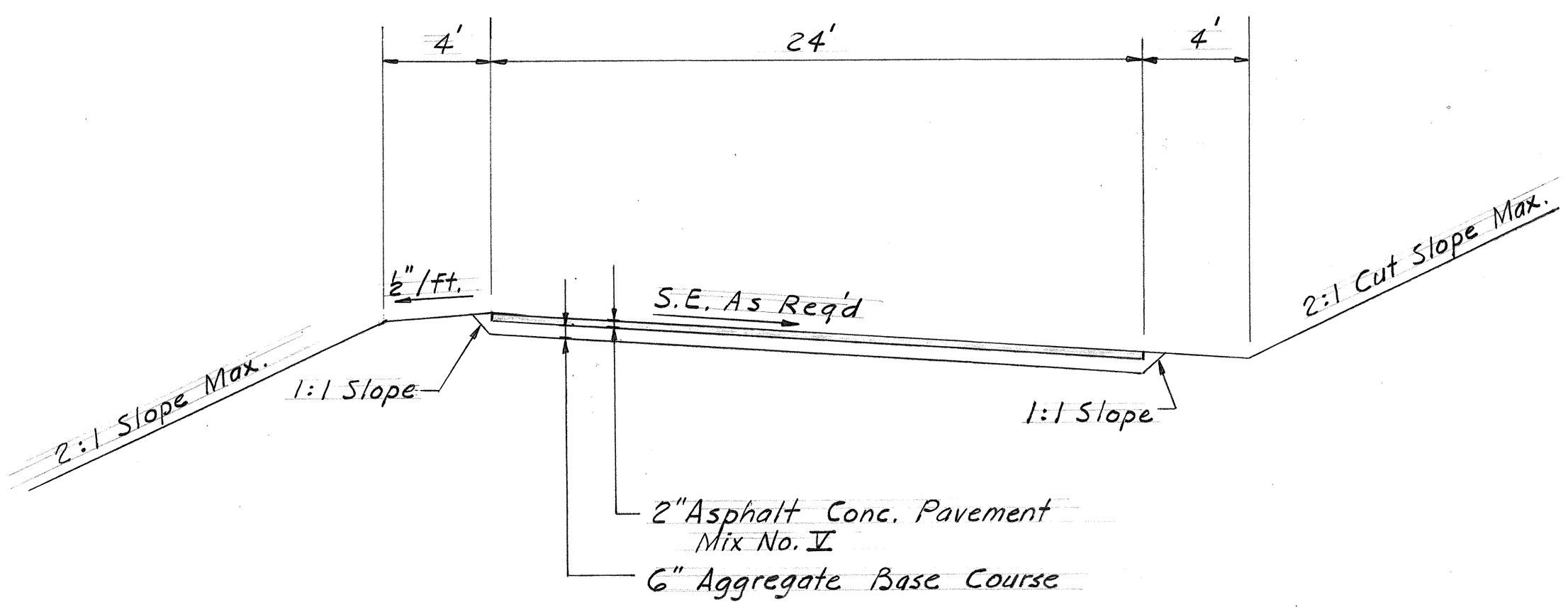
DATE: July 17, 1970

SHEET No. 6 OF 7 SHEETS

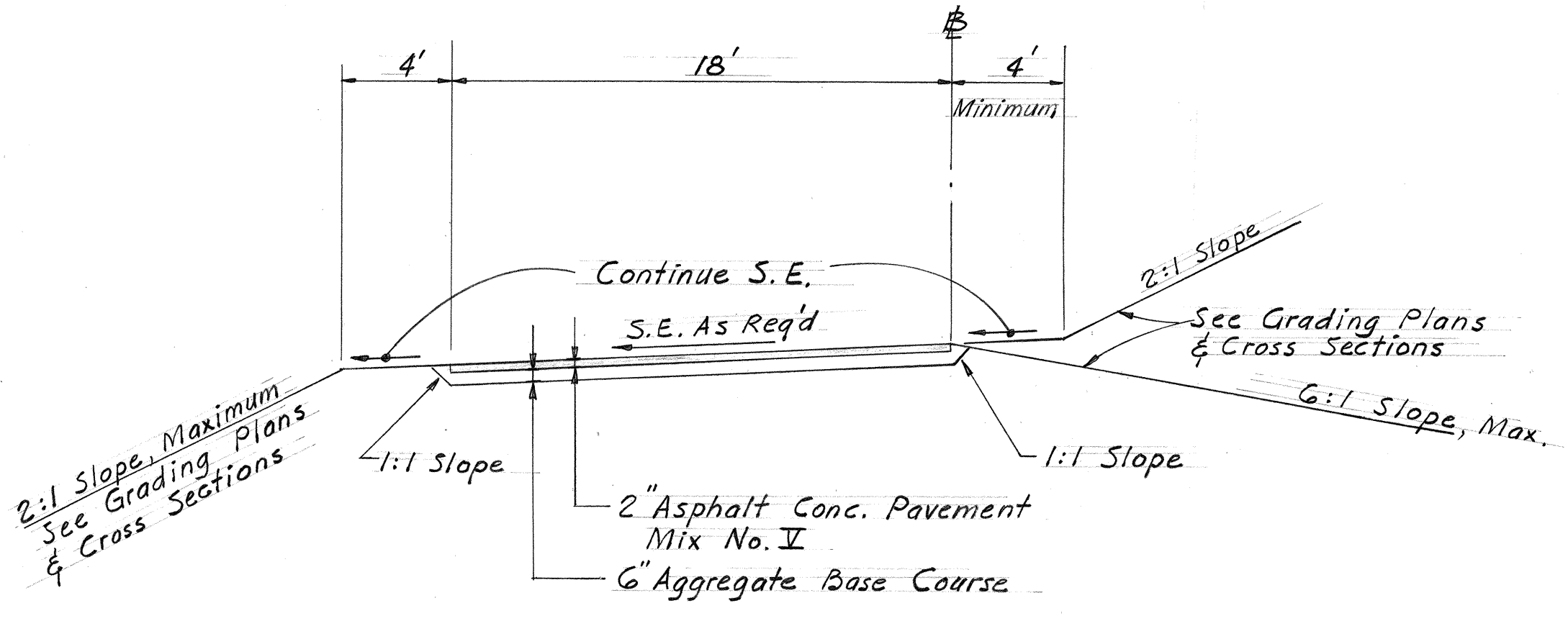
* Width to be same as that of Existing Driveway
or as Directed by the Engineer.

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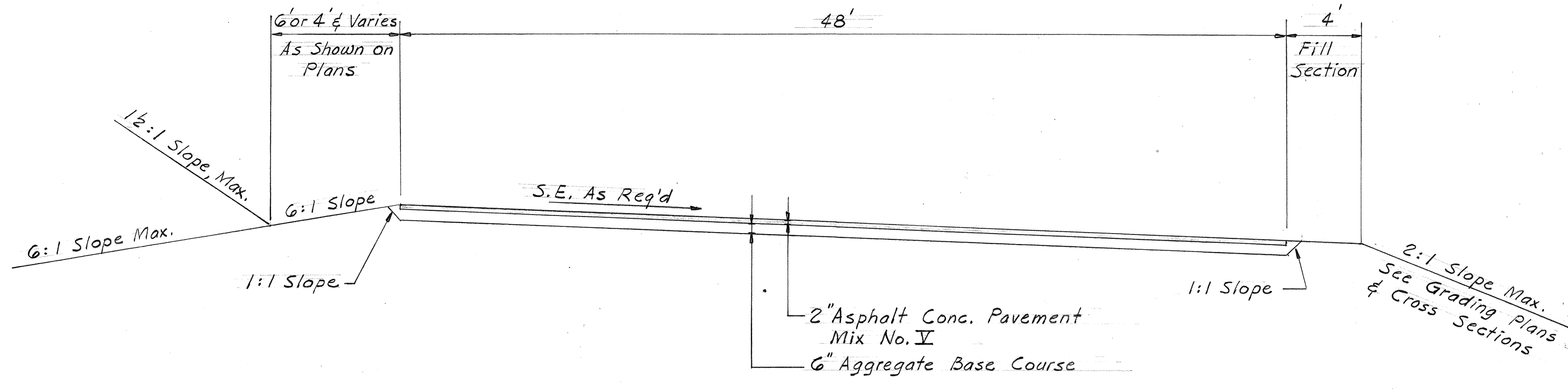
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(88):13	1971	9	457



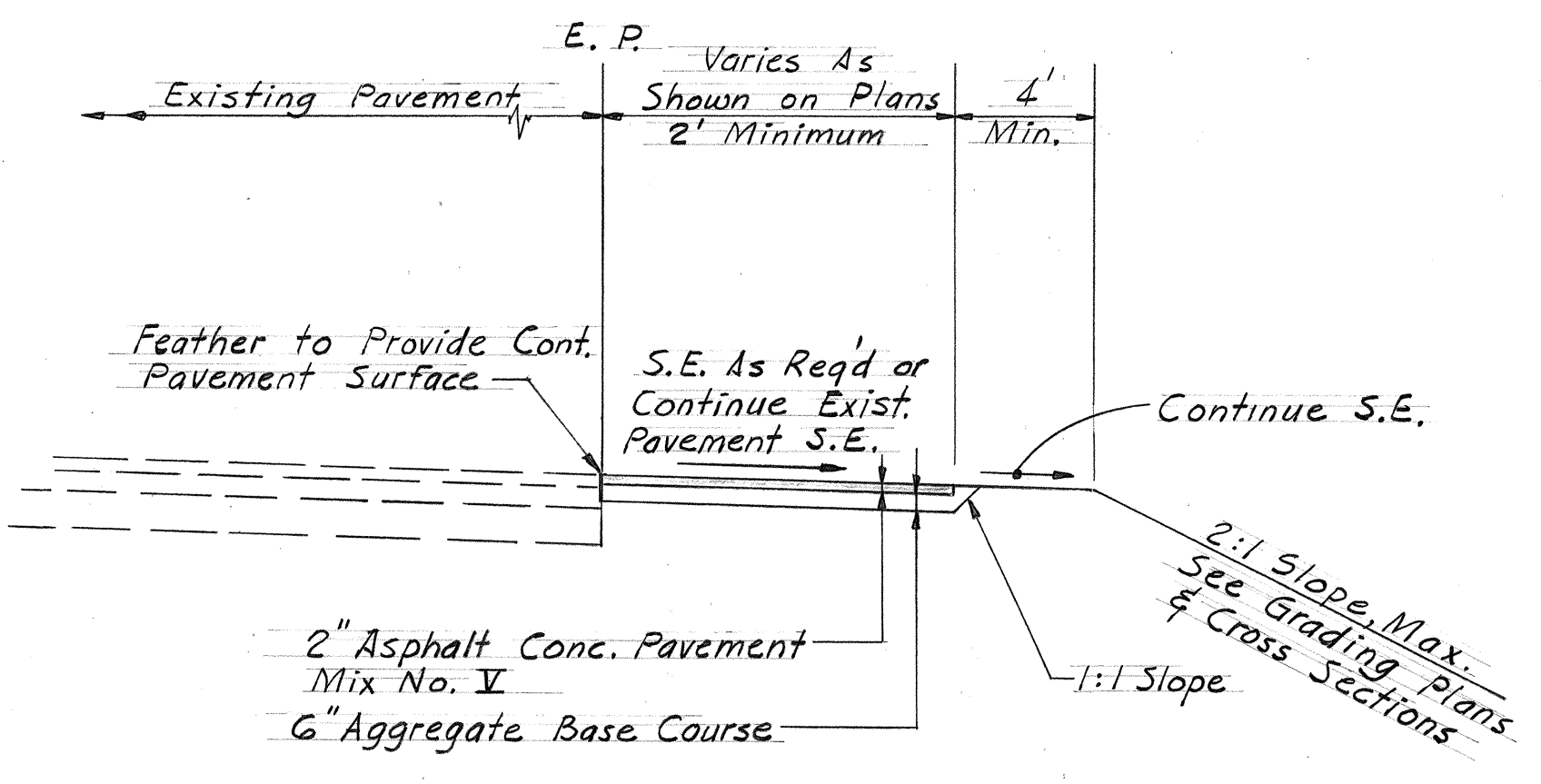
DETOUR B



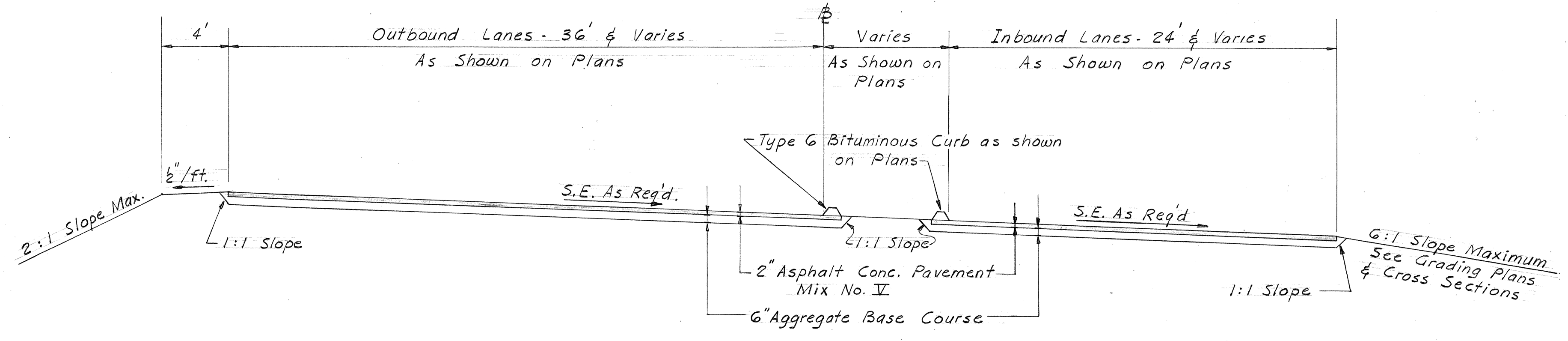
RAMP G DETOUR



DETOURS C, D & E



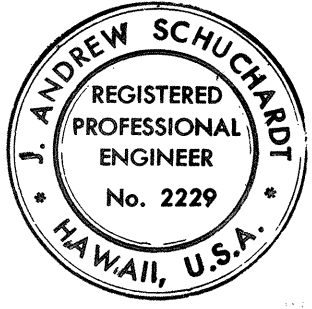
DETOURS & TURNAROUNDS
ADJACENT TO EXIST. PAVEMENT SECTIONS



DETOUR A

NOTE FOR DETOURS:
For Elevation Control See Plans for Spot Elevations.

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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
HALAWA INTERCHANGE
PROJECT NO. I-HI-1(88):13
SCALE: 1"=5'
DATE: July 17, 1970
SHEET No. 7 OF 7 SHEETS