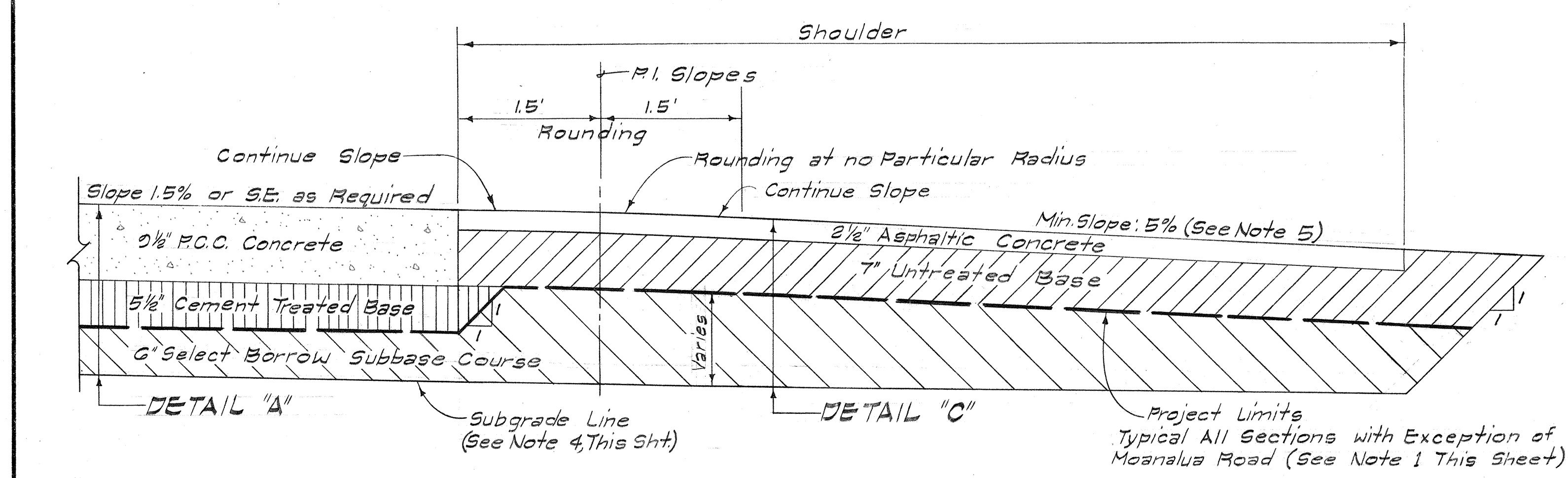
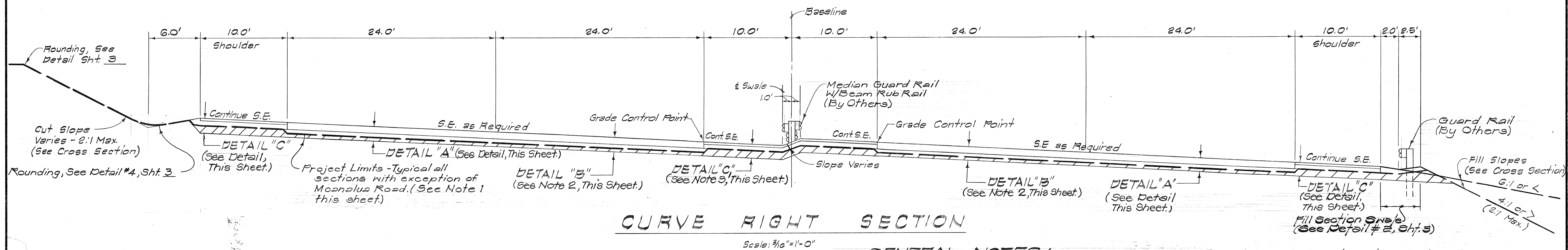
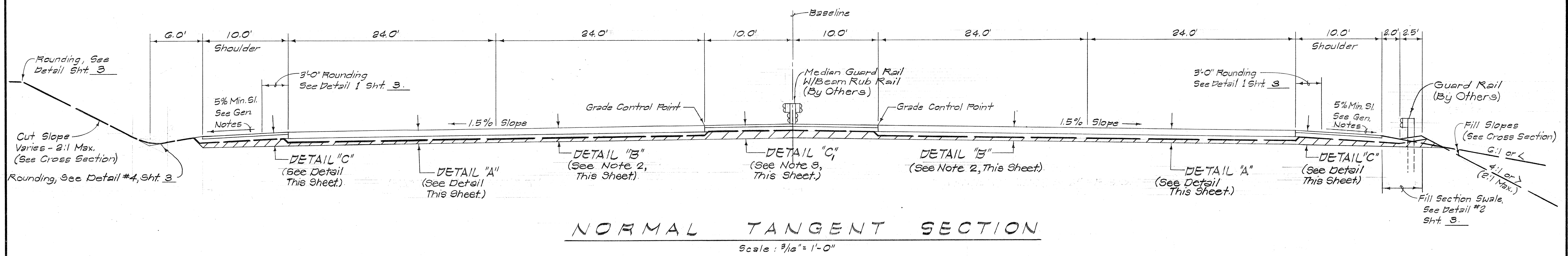


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(65):10 I-HI-(40):11	1969	2	185



GENERAL NOTES:

- The limits of work under this contract for the highway and all ramp sections outside the interchange paving limits shall be the heavy dash lines as shown on these typical sections unless otherwise specified in the plans. Base course and all highway ramp pavement, with exception of those sections within the paving limits, shall be under a separate contract.
- Detail "B" similar to Detail "A" except P.C.C. Pavement shall be 9" thick and Cement Treated Base shall be 6" thick.
- Detail "C" similar to Detail "C" except the untreated base shall be 6 1/2" thick.
- Subgrade line shall be parallel to the pavement slope and shall end at the shoulder edge, except; in fill section at the outer shoulder, where the pavement slopes to the outer shoulder, then the subgrade line shall continue to the edge of the fill for drainage of the basement course.
- Shoulders at normal tangent sections and on low side of super elevated sections shall have a minimum slope of 5% except when the pavement super elevation sloping down to the shoulder exceeds 5% then the pavement super elevation shall continue through the shoulder. Pavement super elevation shall also continue through the high side shoulders of super elevated sections. Transition from normal shoulder slope of 5% to 0% shall be made gradually within the pavement crown runoff distance.
- Sections of the roadway prism have been constructed or will be constructed concurrently under separate contracts. The portion from the beginning of the project (Pearl City Viaduct) to Sta. 67+00 is graded up to approximately three (3) feet below the roadway finish grade. In addition the INSOUND P.C.C. pavement has been installed from begin. of project to Sta. 66+50.
- The embankment portion of the roadway from Sta. 103+00 to 104+00 has been graded to sub-grade level. The portion of the roadway from Sta. 104+00 to 103+17 and 100+85 to end of project is graded to pavement level and an additional 3 feet thick surcharge and temporary berms installed on and adjacent to the embankment. Removal of material, including berms in the surcharge areas shall be measured and paid for as roadway excavation. Corrective grading of any existing embankment area, if required due to erosion or any other causes and ordered by the Engineer, shall be paid for on a force account basis as specified in the Special Provisions.
- 2 1/2" A.C. for shoulder shall be Asphaltic Concrete. Mix No. IV installed in one layer.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPICAL ROADWAY

SECTIONS

(INTERSTATE H-1)

INTERSTATE ROUTE H-1

PROJ. NO. I-HI-1(65):10

Scale: As Shown

Date: 4-24-69

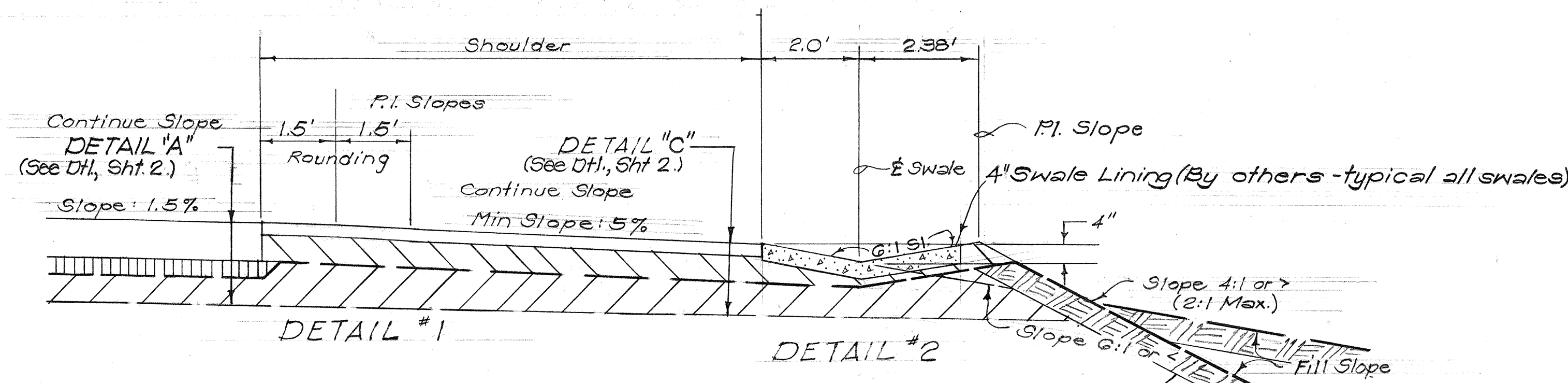
SHEET No. 1 OF 6 SHEETS

SURVEY PLATTED BY:	DATE:
DESIGNED BY:	
NOTED BY:	
CHECKED BY:	
ORIGINAL PLAN:	
NOTE BOOK:	
NO.	

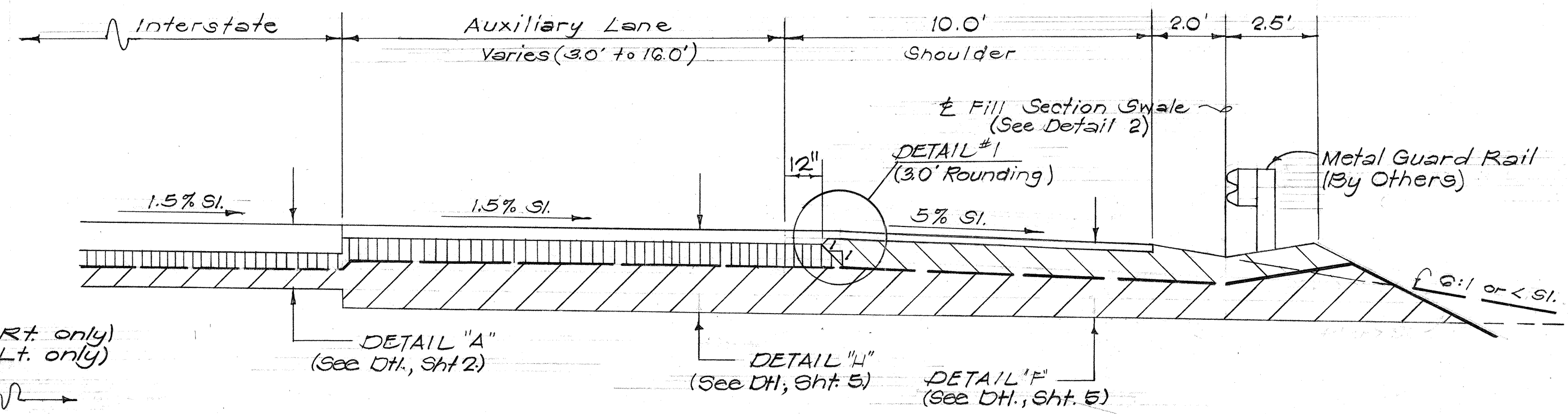


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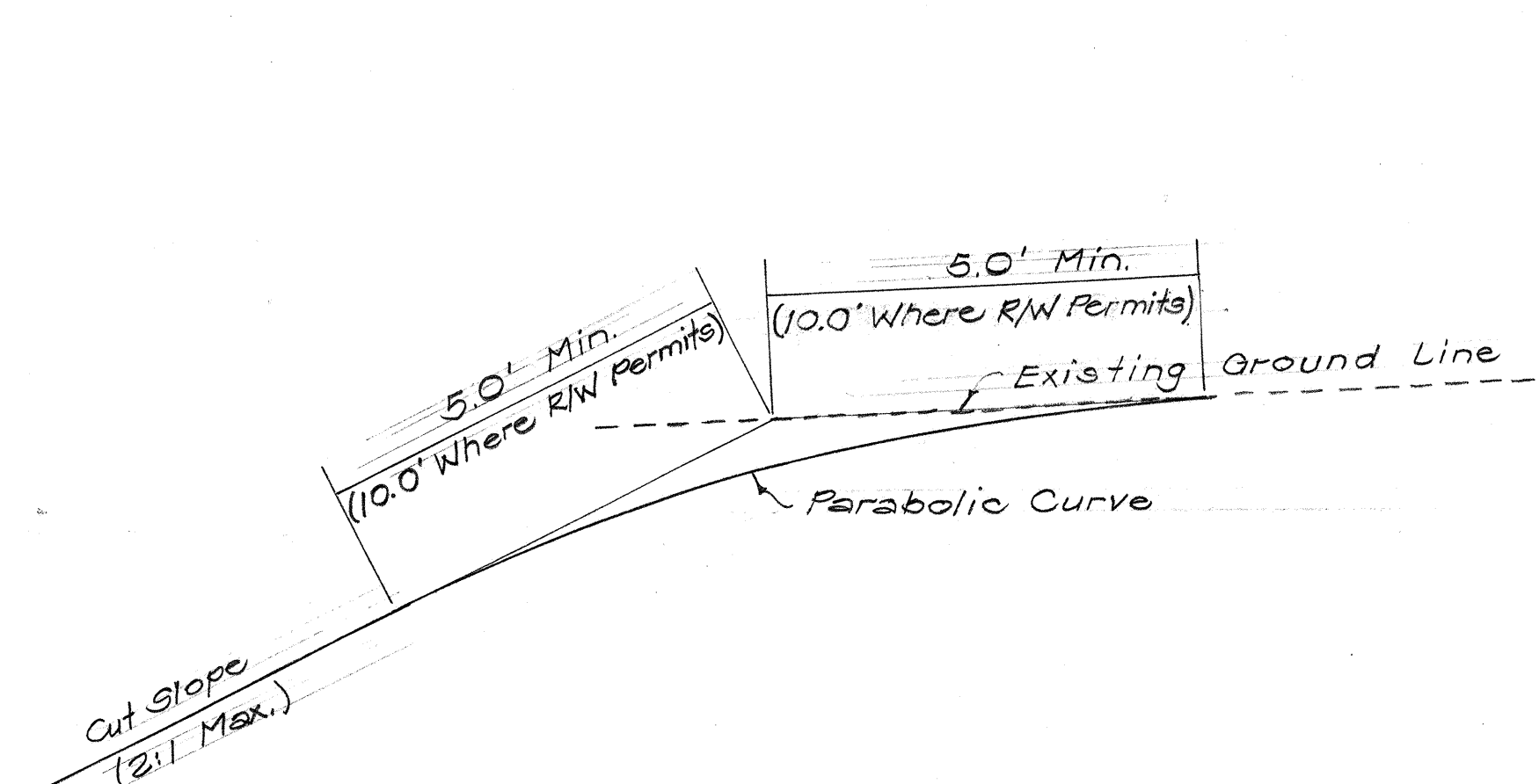
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(65):10 I-H-1(140):11	1960	3	185



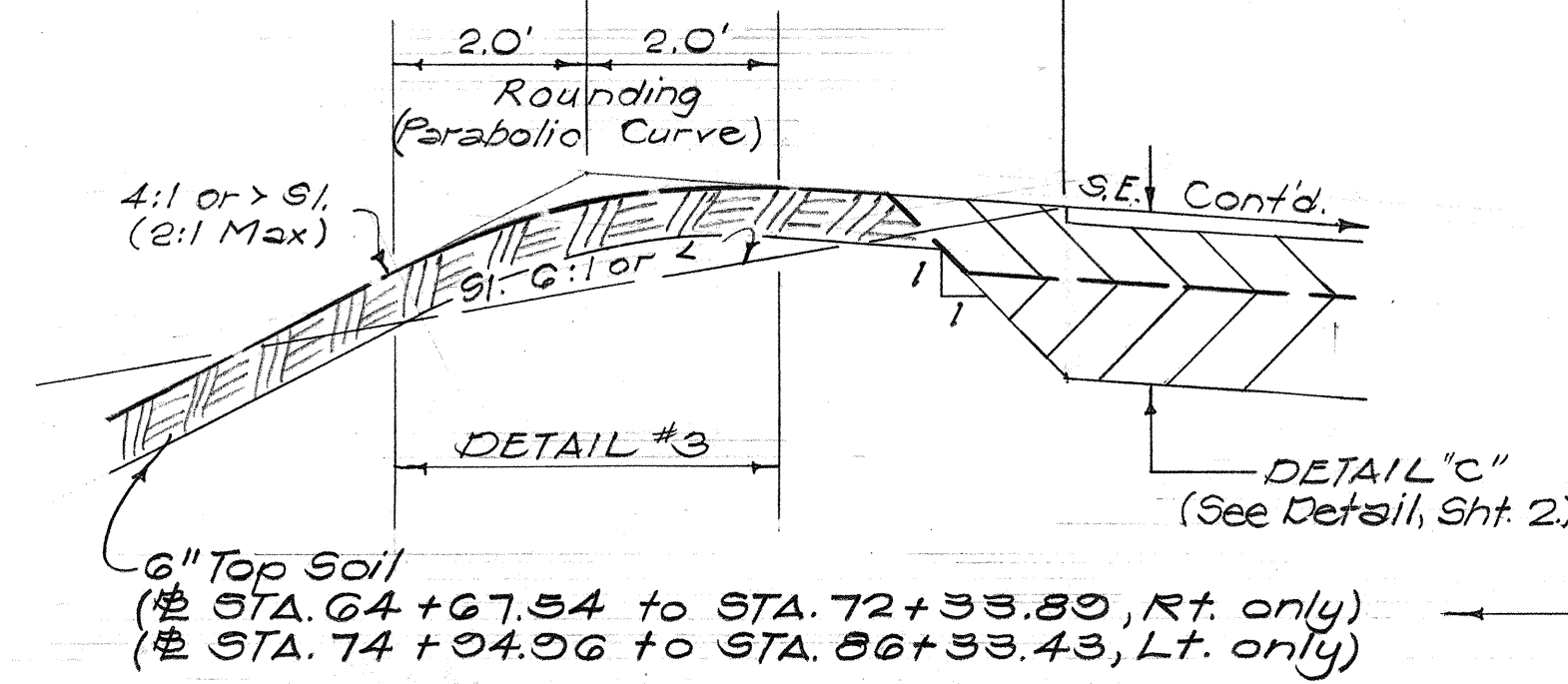
OUTER SHOULDER DETAILS #1 & #2
Scale: 1/2" = 1'-0"



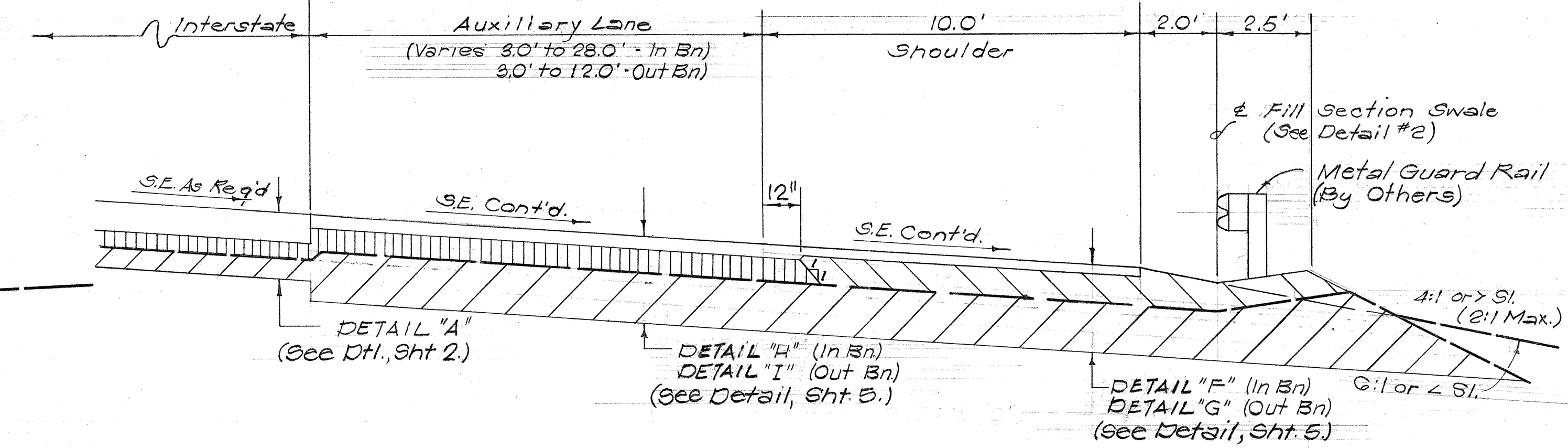
**TYPICAL SECTION INTERSTATE AUXILIARY LANE
(@ TANGENT AREAS)**
Scale: 3/8" = 1'-0"



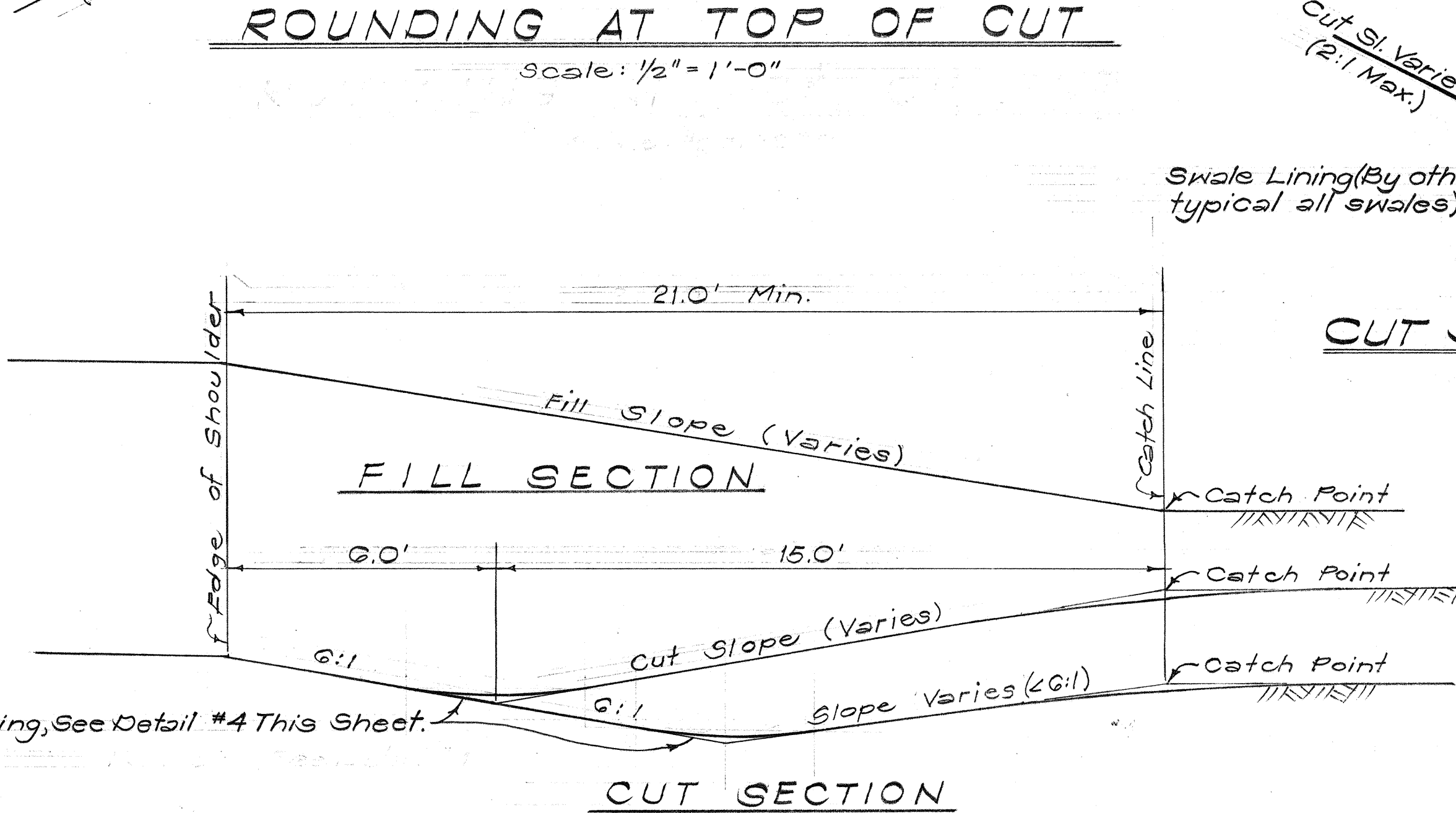
ROUNDING AT TOP OF CUT
Scale: 1/2" = 1'-0"



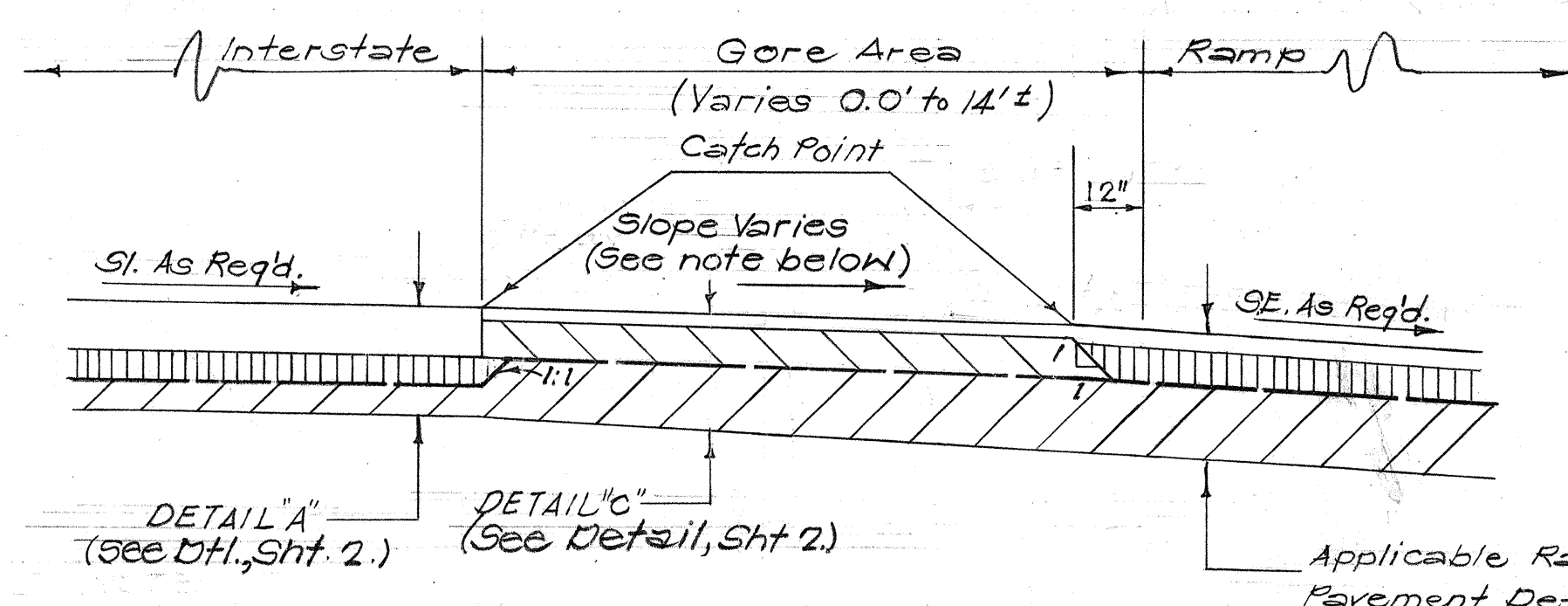
OUTER SHOULDER DETAIL #3
Scale: 1/2" = 1'-0"



**TYPICAL SECTION INTERSTATE AUXILIARY LANE
(@ SUPEREASED AREAS)**
Scale: 3/8" = 1'-0"



**DETAIL #4
CUT SECTION SWALE ROUNDING**
Scale: 1/2" = 1'-0"



**NOTE: Transition to normal tangent section shoulder slope of 5% beyond the gore area shall be made within a minimum distance of 70'.
DETAIL @ INTERSTATE & RAMP GORE AREAS**
Scale: 3/8" = 1'-0"

- NOTE:**
- Unless otherwise indicated, in sections where normal slopes catch in a distance less than 21' from edge of shoulder, flat slopes shall be used which catch on a line 21' from edge of shoulder.
 - Transition between cut and fill section shall be made by varying the cut slope beyond the centerline of swale and holding the catch line at 21' from the edge of shoulder. Unless otherwise indicated, swale slopes roadway side of the centerline shall be 6:1.

SLOPE TRANSITION DETAIL
Scale: 3/8" = 1'-0"



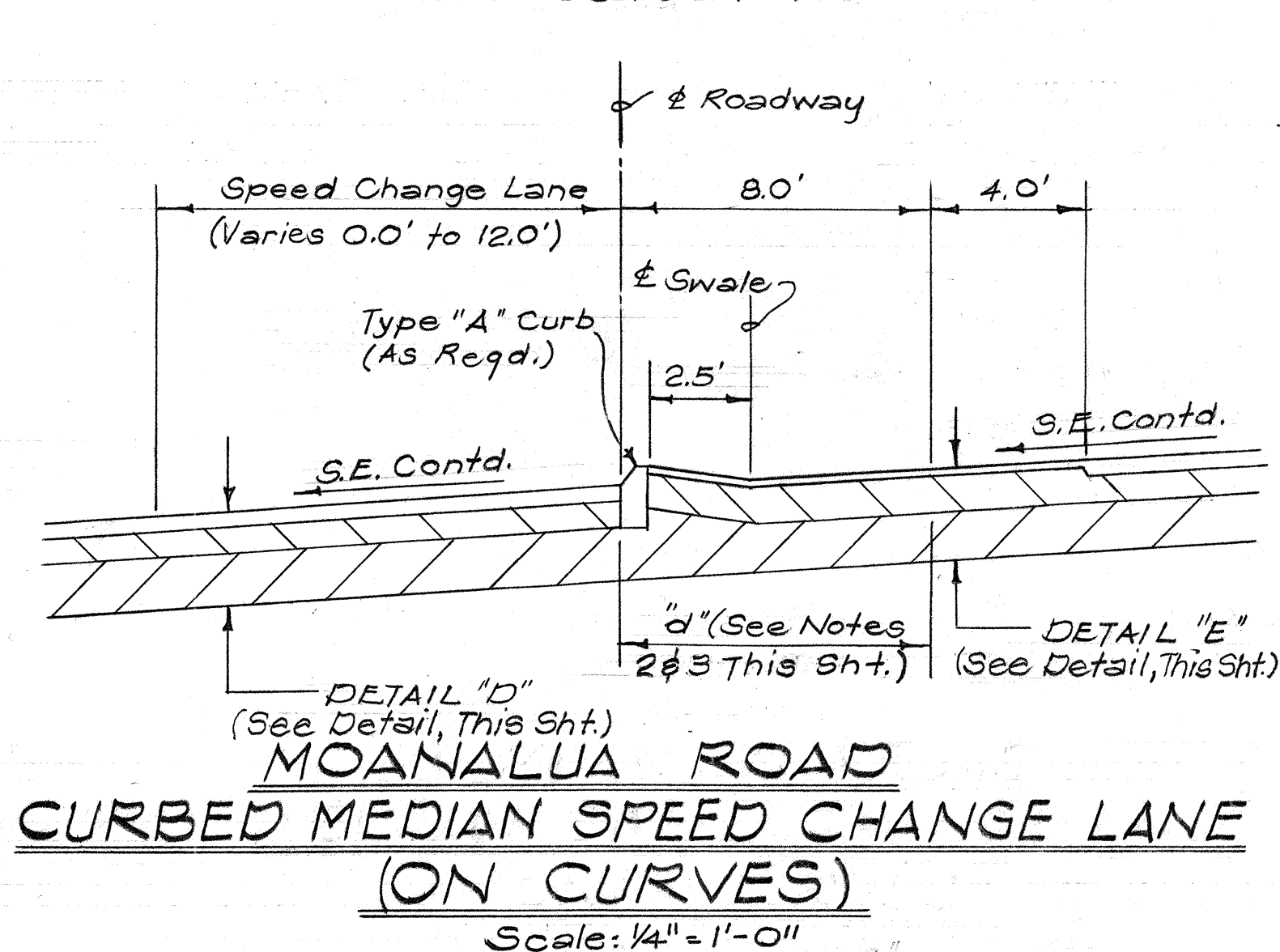
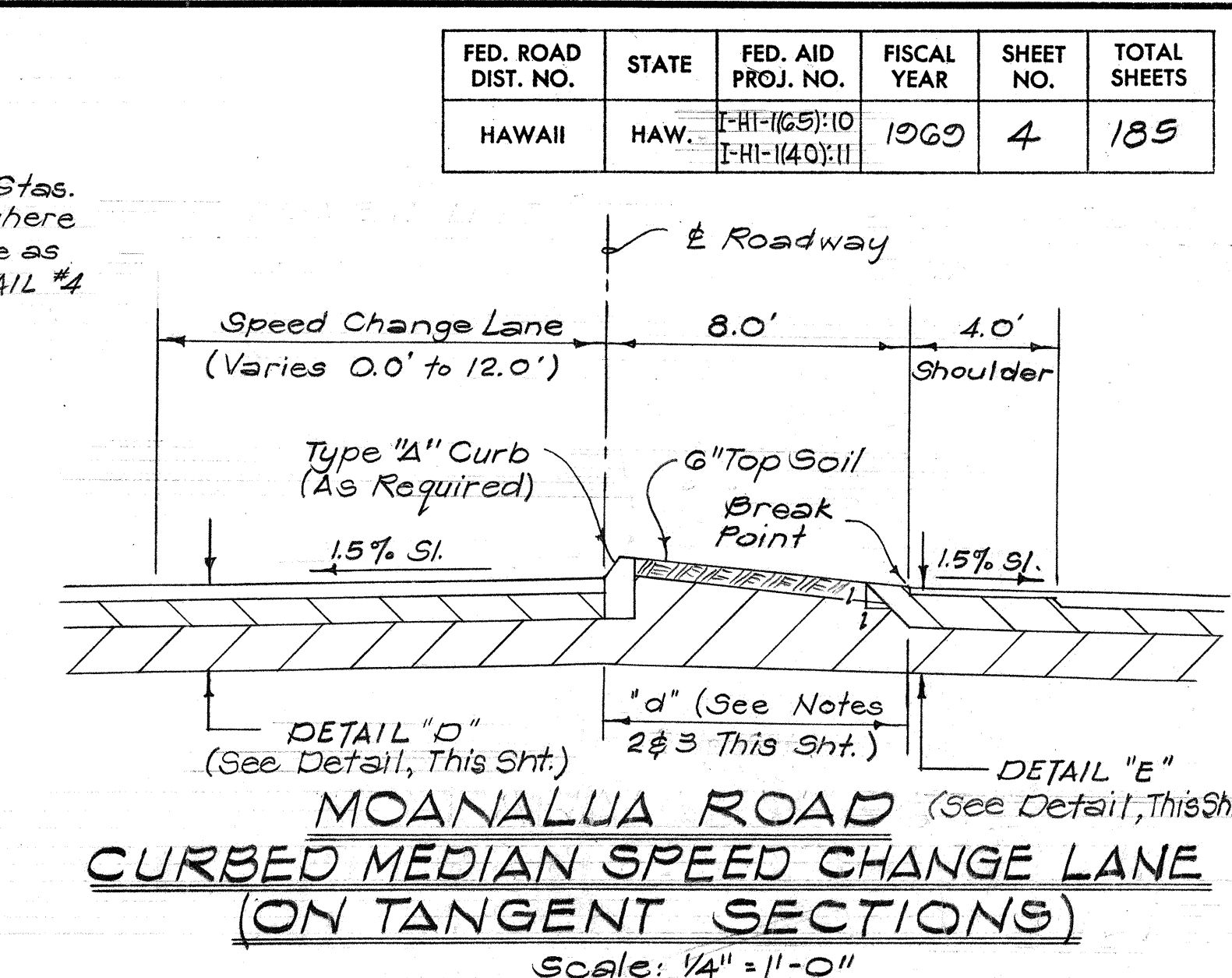
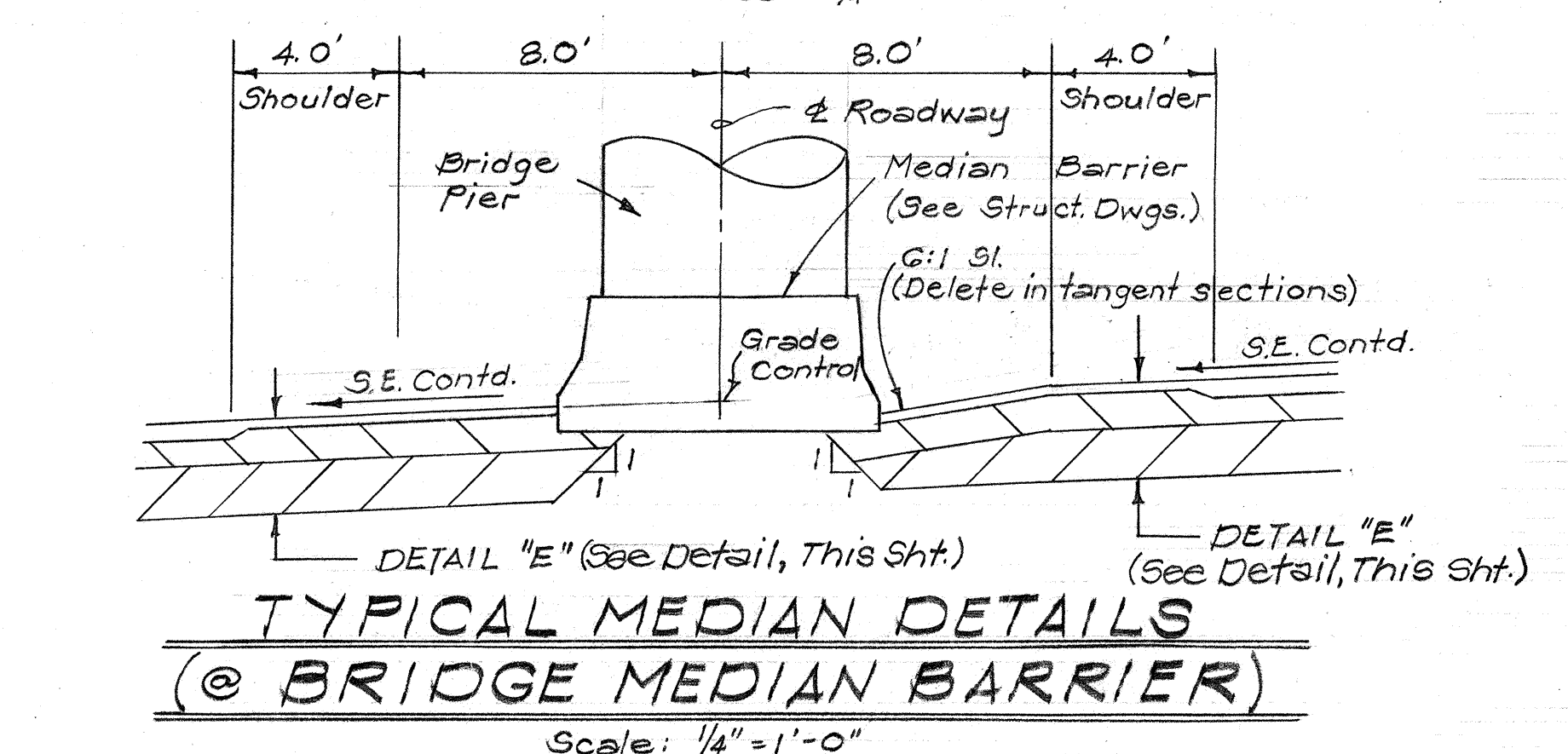
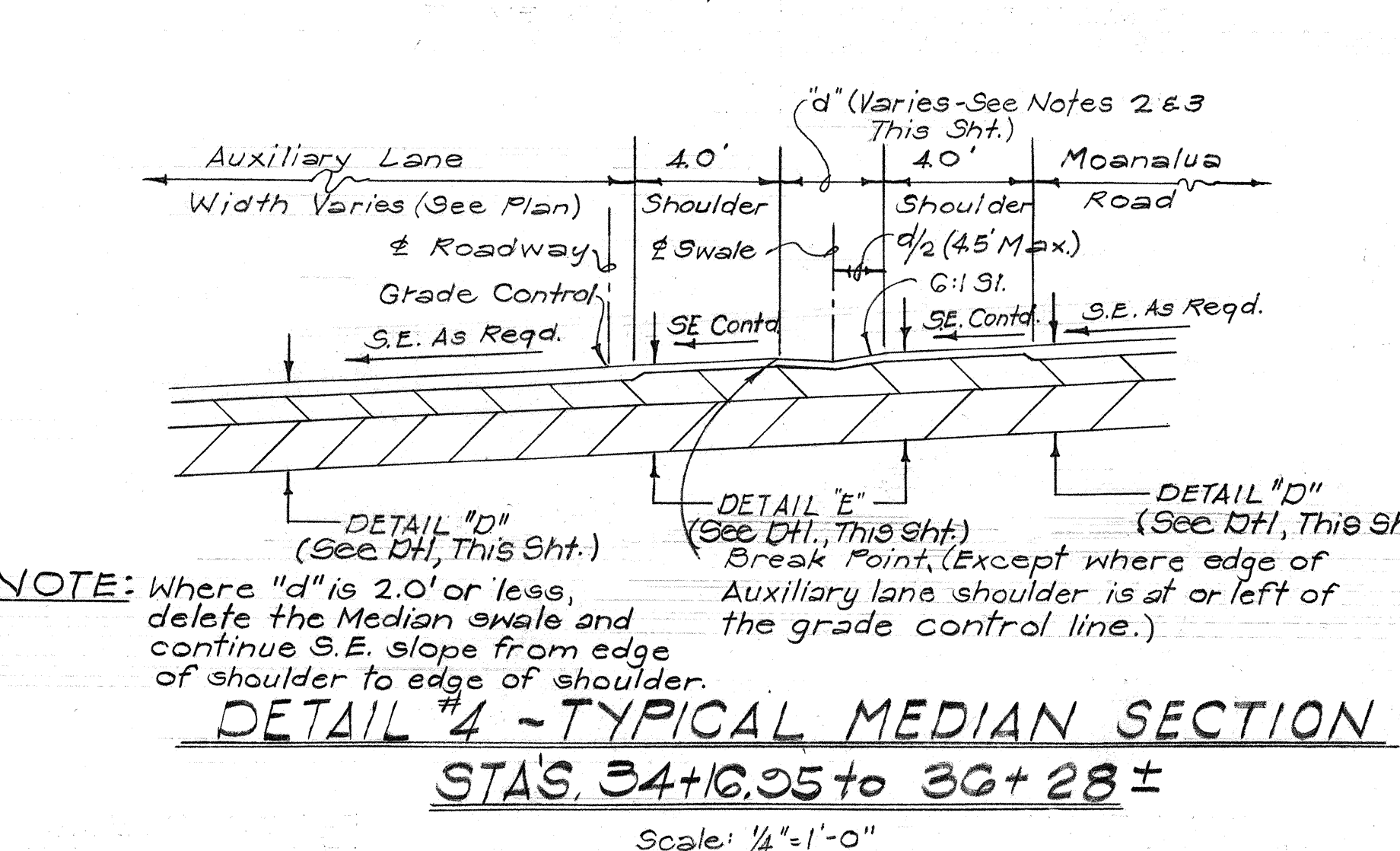
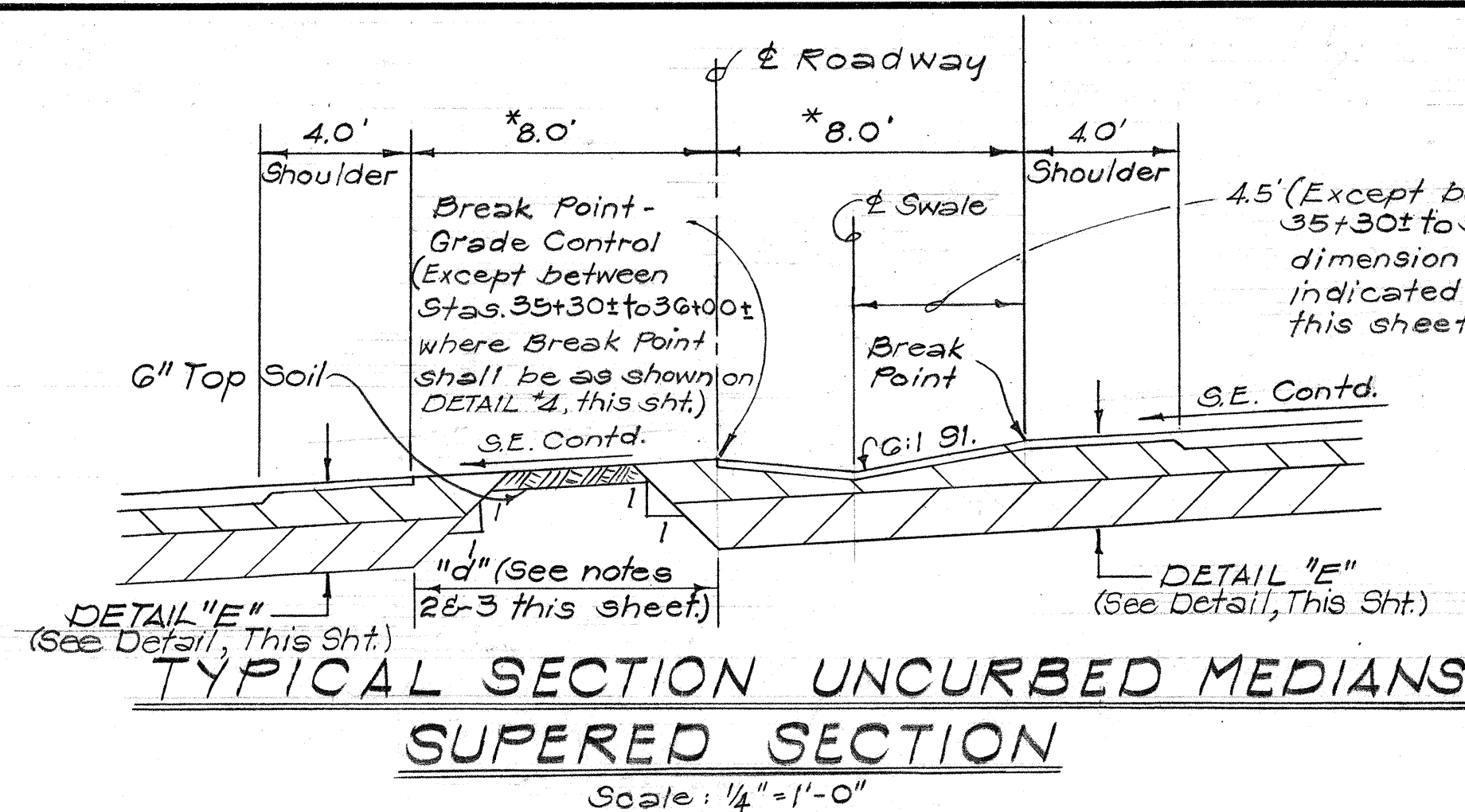
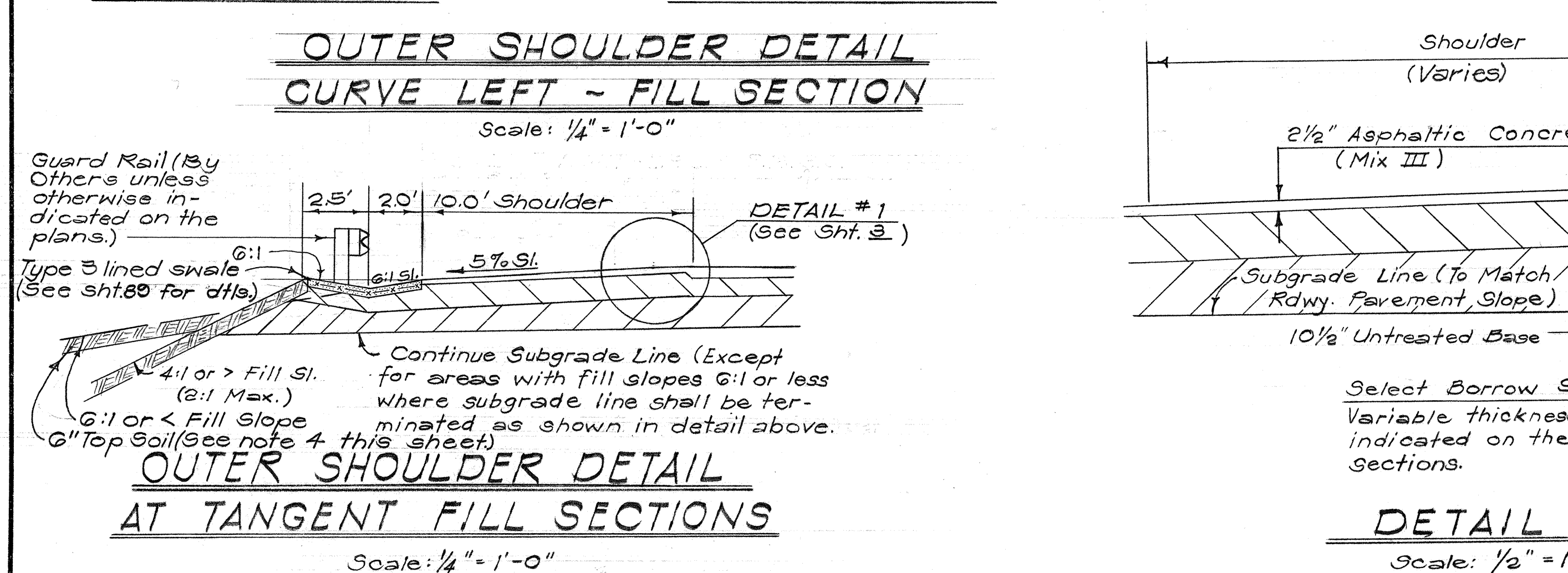
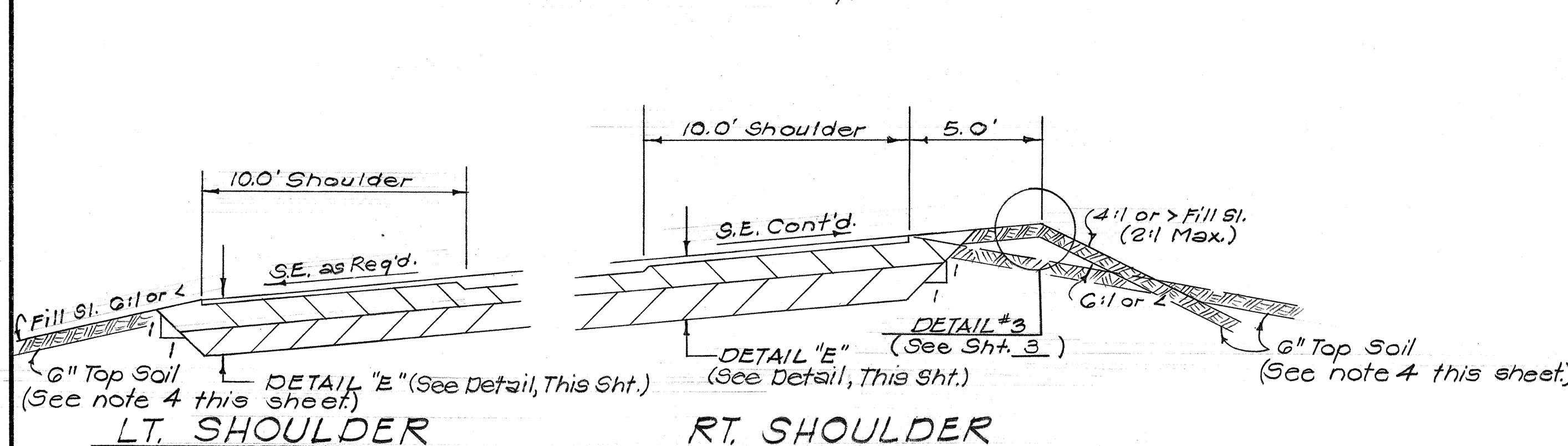
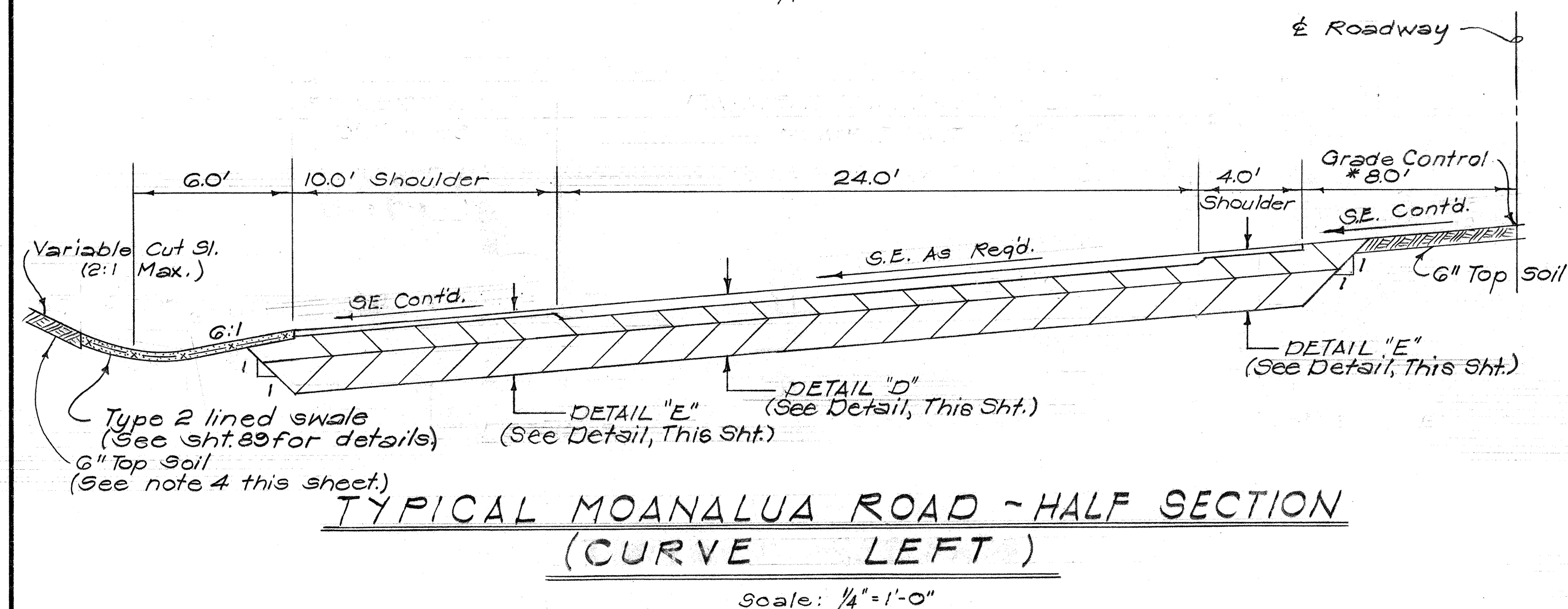
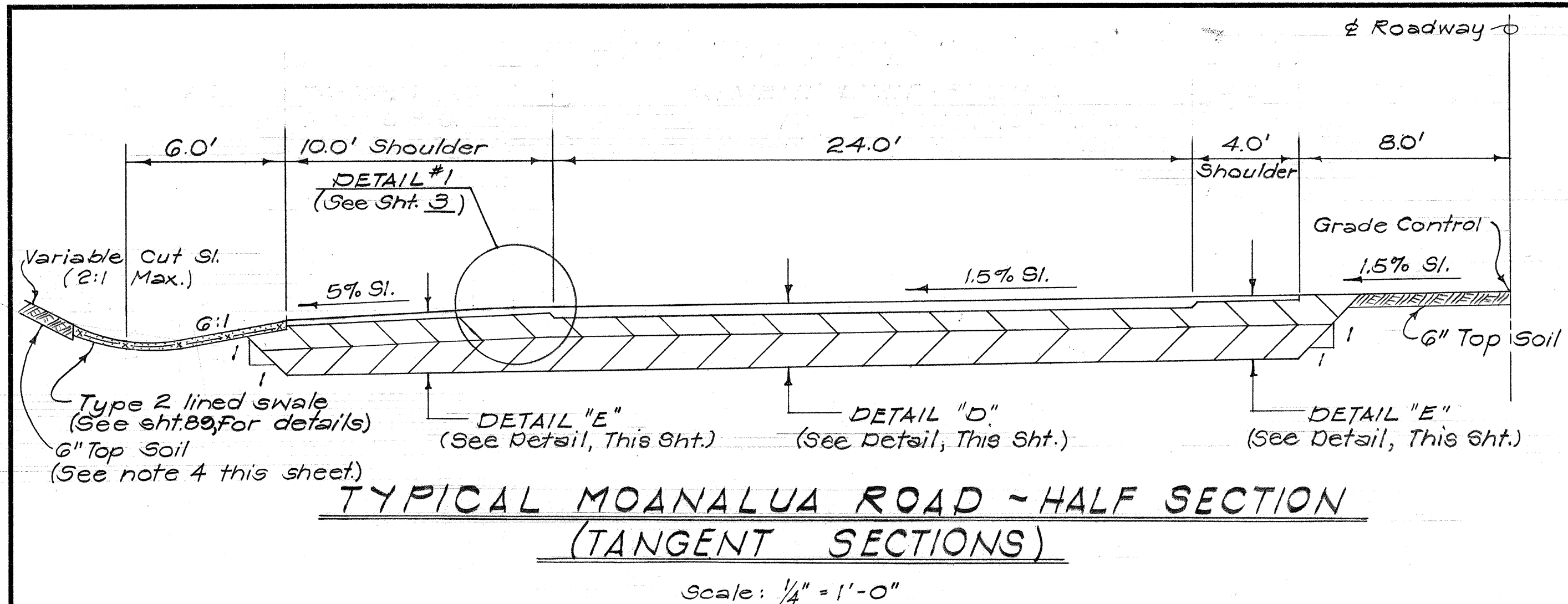
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY
SECTIONS
(INTERSTATE H-1)
INTERSTATE ROUTE H-1
PROJ. NO. I-H-1(65):10
Scale: As Shown Date: 4-24-63

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(G5):10 I-HI-(4Q):11	1969	4	185



- NOTES**
- Dimensions vary between Sta. 34+16.95 to P.T. Sta. 37+01.78. (See Roadway Plans.)
 - Extend Subgrade Line as shown when "d", measured from edge of shoulder or roadway pavement, is 8.0' or less.
 - Where "d" exceeds 8.0', terminate subbase course per Typical Half Section Detail this sheet.
 - Top soil in areas other than medians shall be installed between STA. 40+11.93 to Moanalua Separation Structure, Lt. only and between the Separation Structure and STA. 53+29.86, Rt. only.
 - Top soil shall be installed where possible in median areas from begin project, STA. 34+16.95 to end project, STA. 53+51.61.

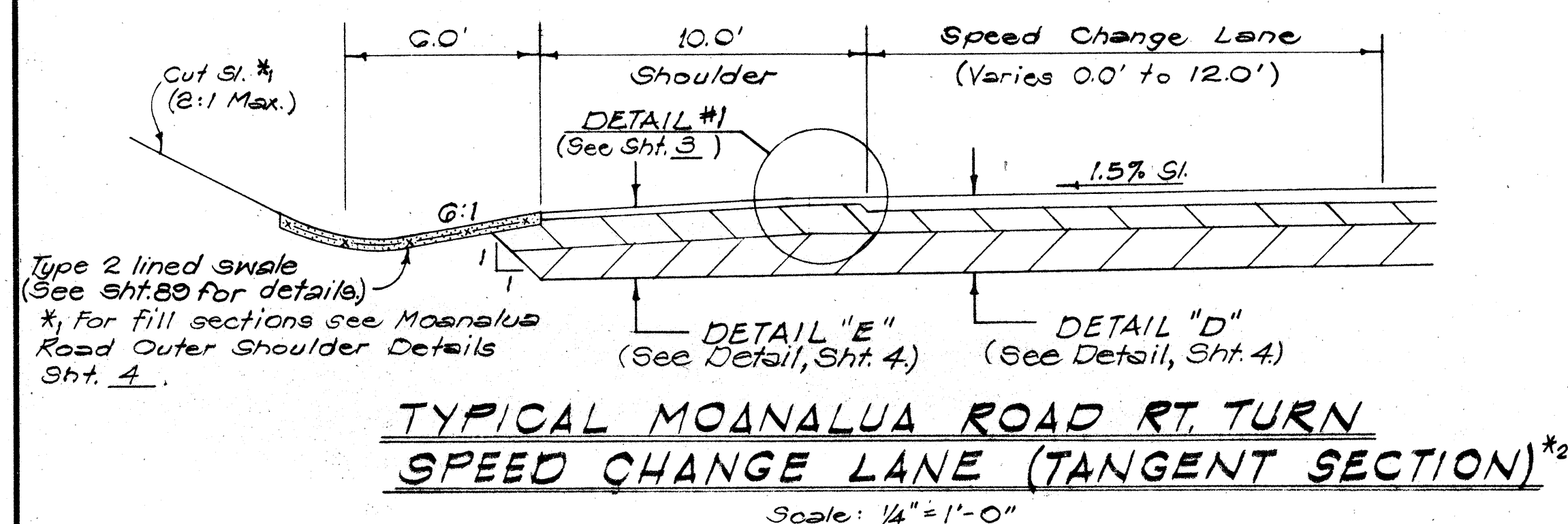
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY SECTIONS (MOANALUA ROAD)
INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(G5):10

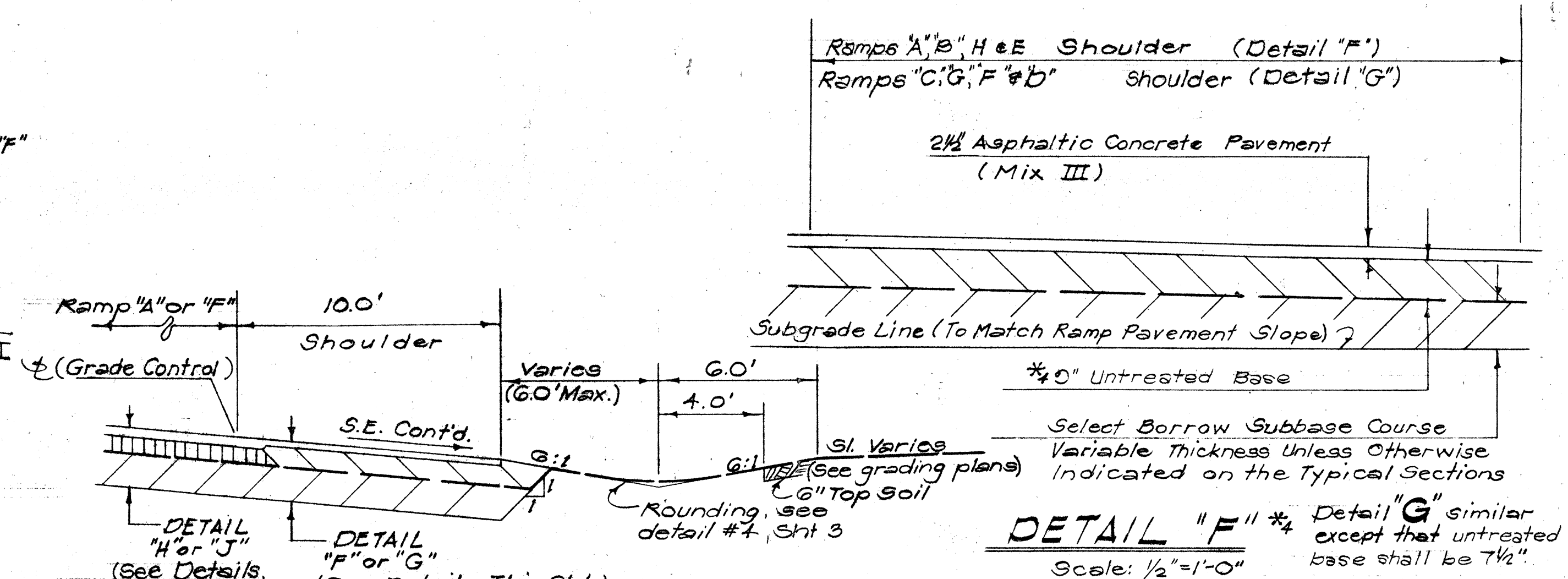
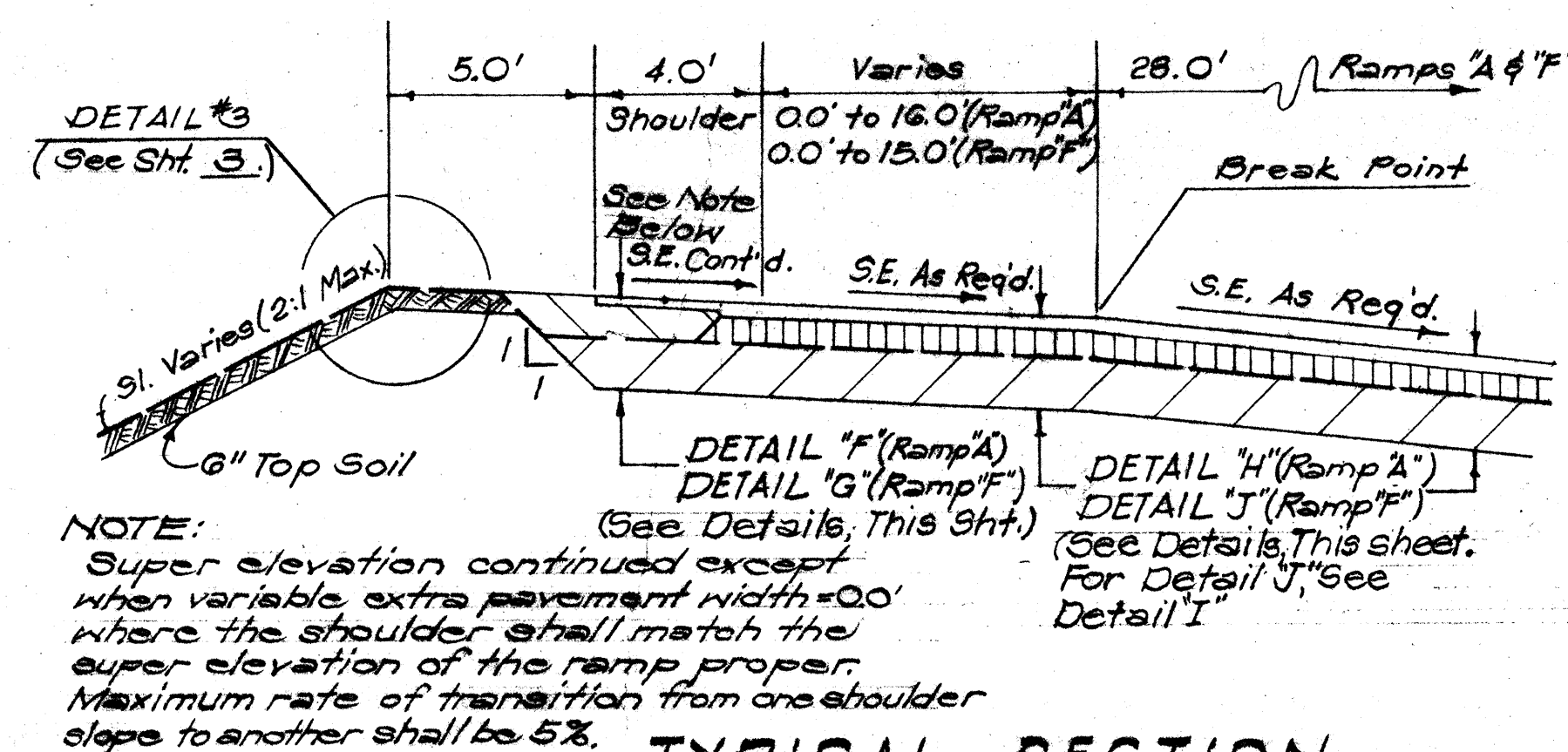
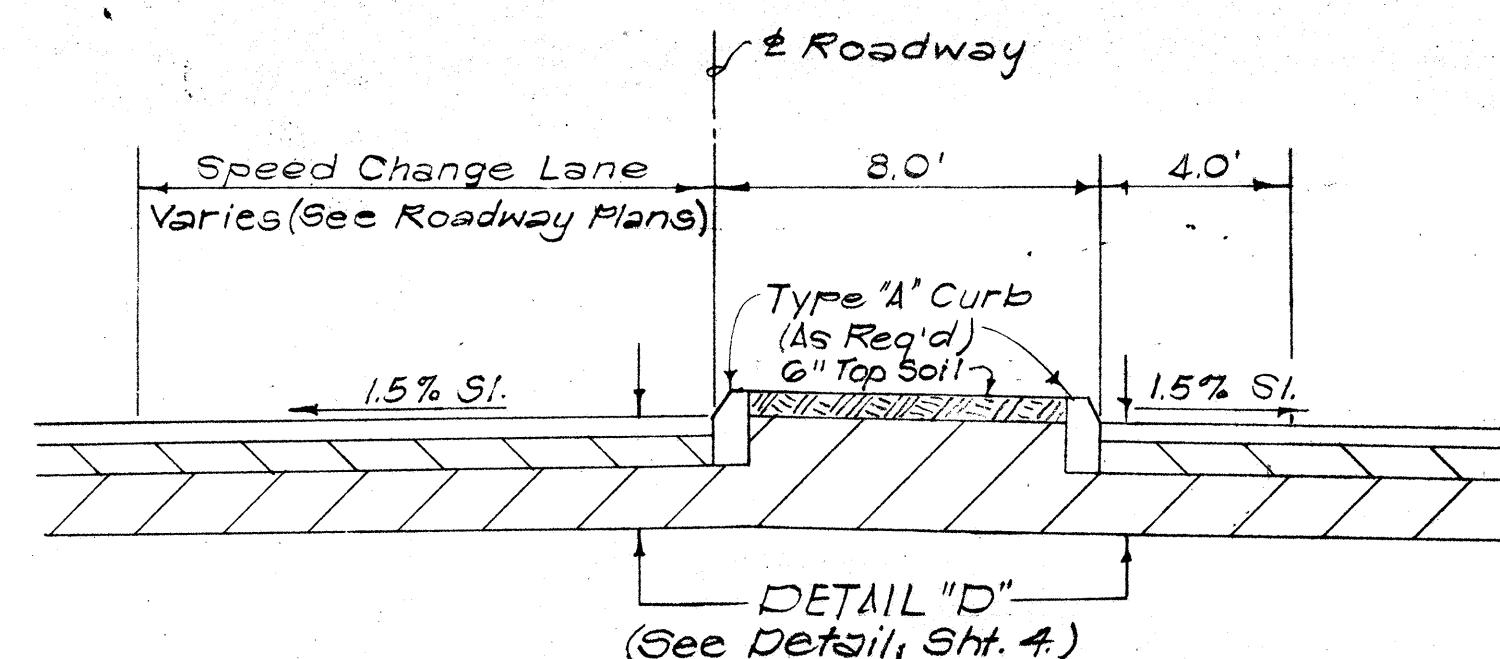
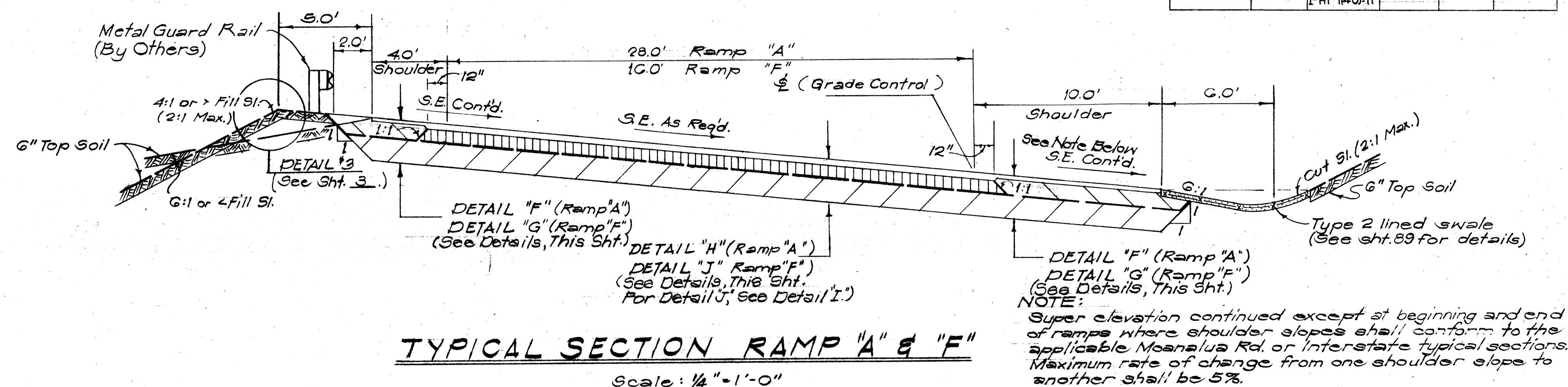
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SHEET No. 3 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(G5)10 I-HI-(I40)11	1969	5	185



* Moanalua Road Rt. Turn Speed Change Lane at Curve Sections similar except that the pavement (unless otherwise indicated) shall be sloped to match the Moanalua Road super-elevation. The outer shoulders shall conform to the appropriate Outer Shoulder Details as shown on sheet 4.



TYPICAL SECTION @ MOANALUA ROAD MEDIAN NOSING (TANGENT SECTION)

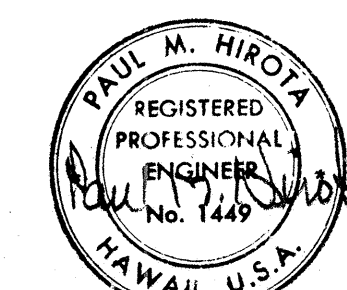
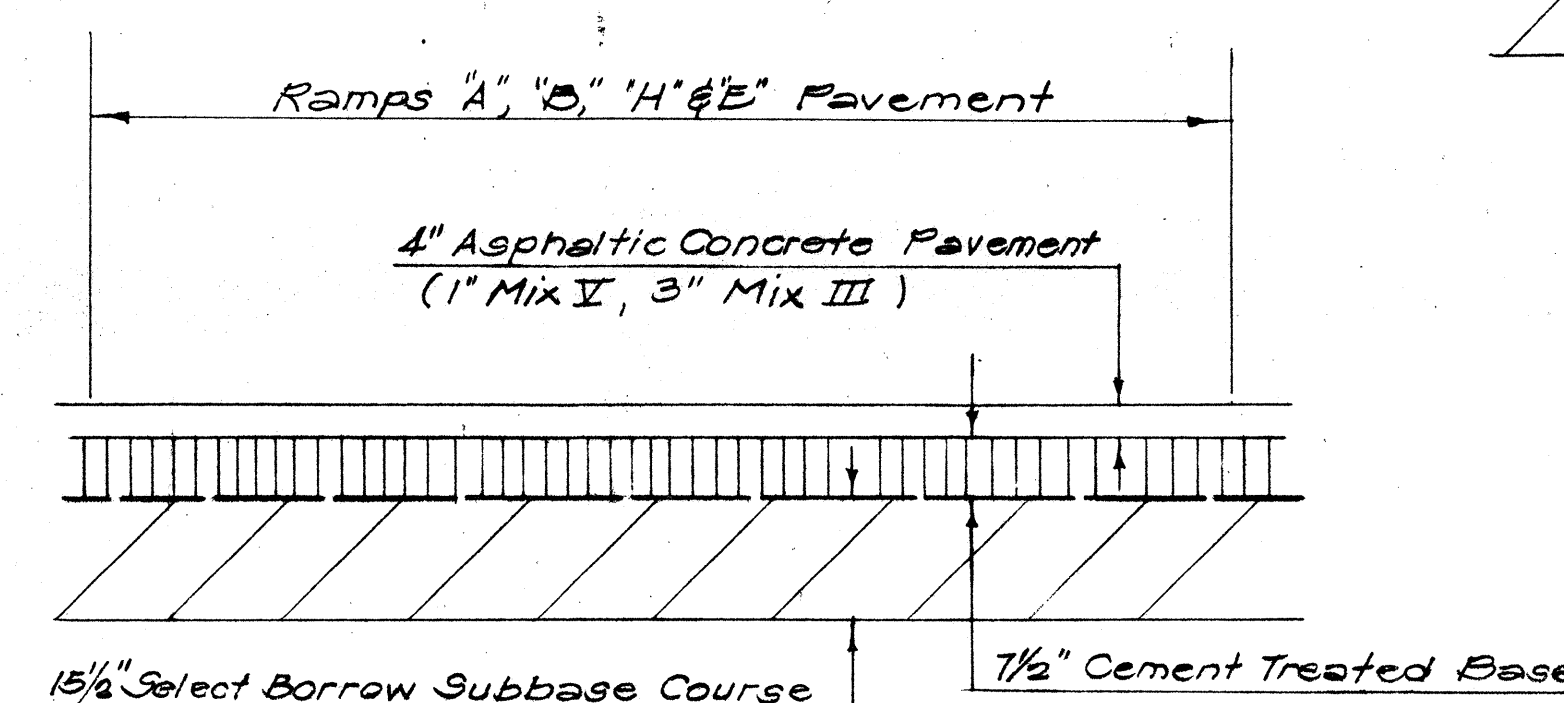
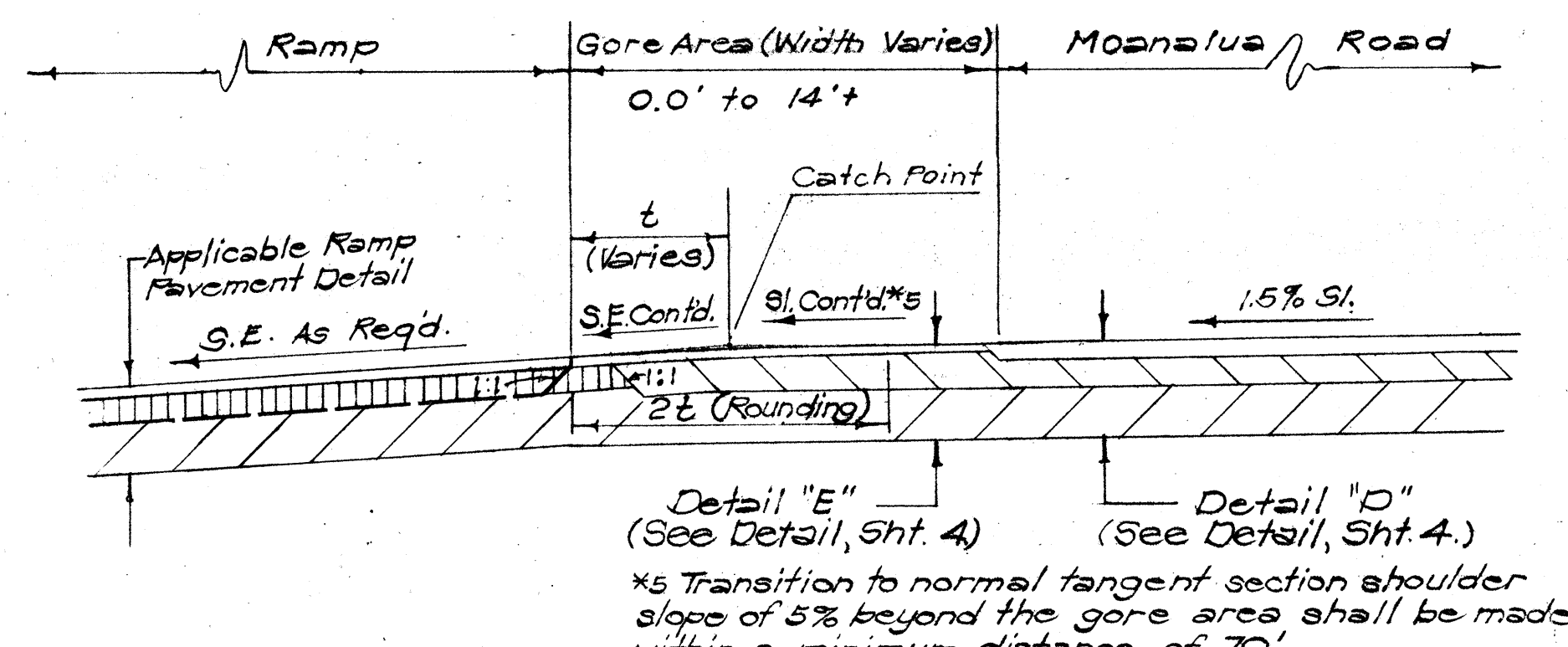
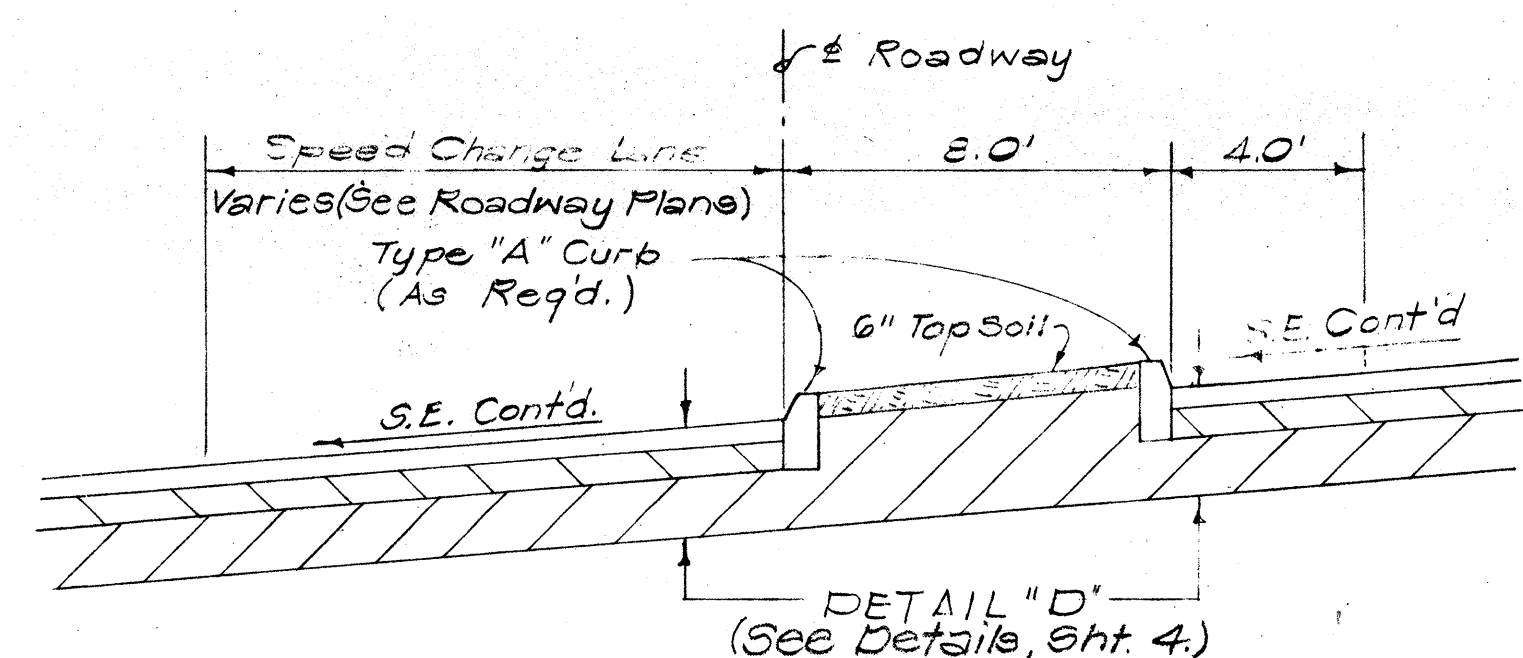
Scale: 1/4"=1'-0"

TYPICAL SECTION RAMP "A" STA. 8+55.66 to 9+55.91 RAMP "F" STA. 3+42.99 to 4+26.66

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

RAMP "A" & "F" RT. SHOULDER DETAIL @ FILL SECTIONS

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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

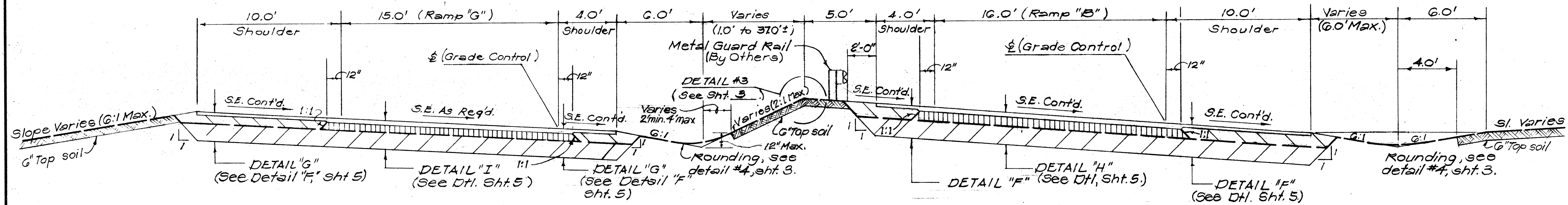
TYPICAL ROADWAY SECTIONS
(RAMPS "A" & "F" MOANALUA ROAD & GORE)
INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(G5)10

Scale: As Shown Date: 4-24-69

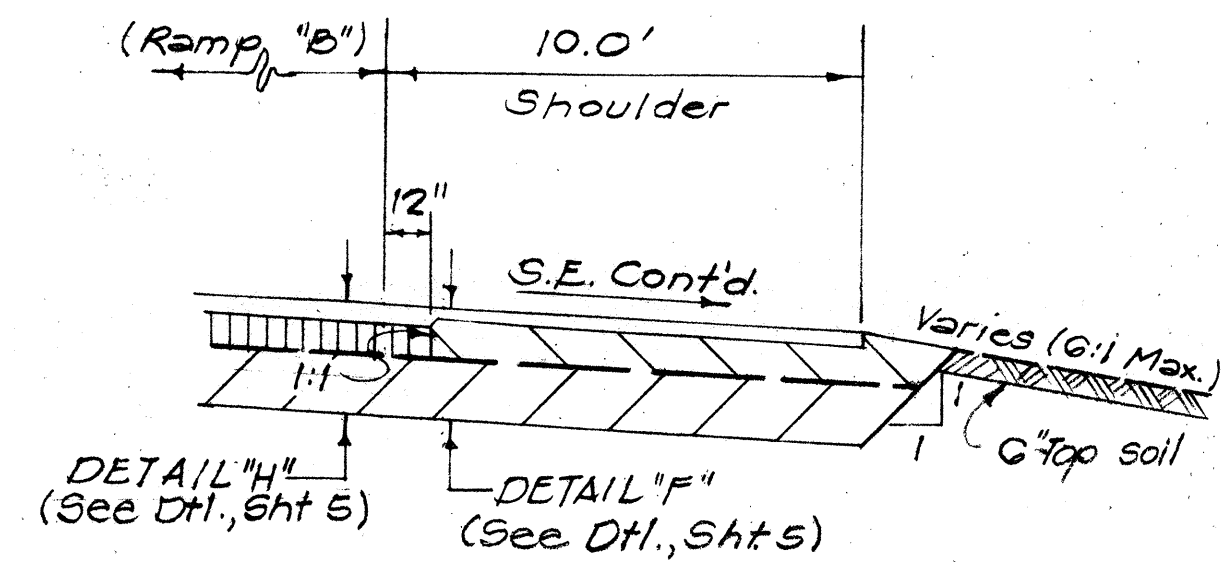
SHEET No. 4 OF 6 SHEETS

DATE	.....
SURVEY PLOTTED BY	.....
TRACED BY	.....
DESIGNED BY	.....
CHECKED BY	.....
ORIGINAL PLAN	.....
NOTE BOOK	.....
QUANTITIES BY	.....
CHECKED BY	.....

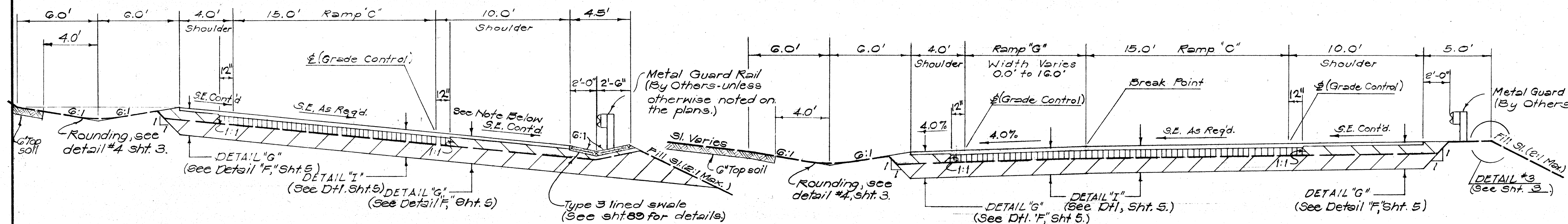
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(65):10 I-HI-1(40):11	1965	6	185



TYPICAL SECTION - RAMPS "G" & "B"
Scale: 1/4" = 1'-0"



RAMP "B" RT. SHOULDER DETAIL
Scale: 1/4" = 1'-0"

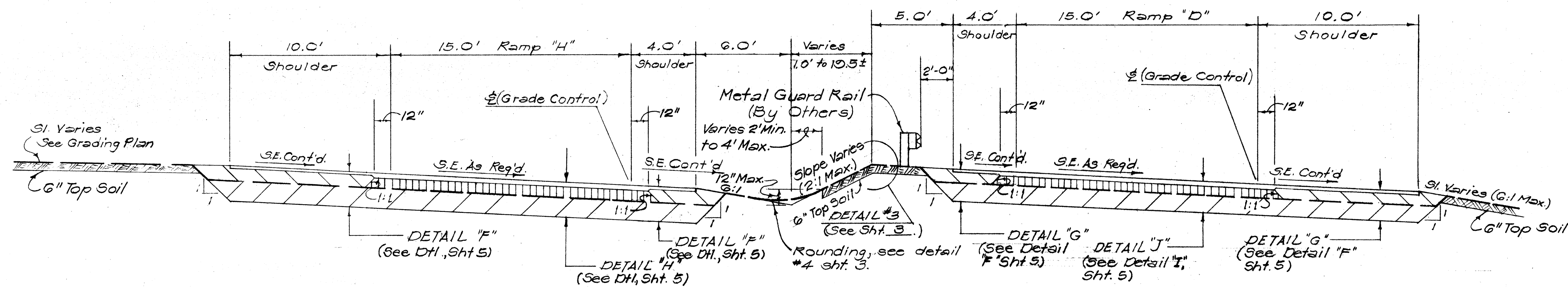


TYPICAL SECTION RAMP "C"
Scale: 1/4" = 1'-0"

NOTE:
Super elevation continued except at end of ramp where applicable Moanalua Rd. typical section shall be met. Maximum rate of transition from one shoulder slope to another shall be 5%.

TYPICAL SECTION RAMP "C"
STA. 10+82.92 to 13+25.98
Scale: 1/4" = 1'-0"

RAMP "C" LT. SHOULDER DETAIL
3+40.64 to 4+75±E
18+75 to 19+37.19
Scale: 1/4" = 1'-0"



TYPICAL SECTION RAMPS "D" & "H"
Scale: 1/4" = 1'-0"

RAMP "C" LT. SHOULDER DETAIL
14+14.10 to 14+75
Scale: 1/4" = 1'-0"

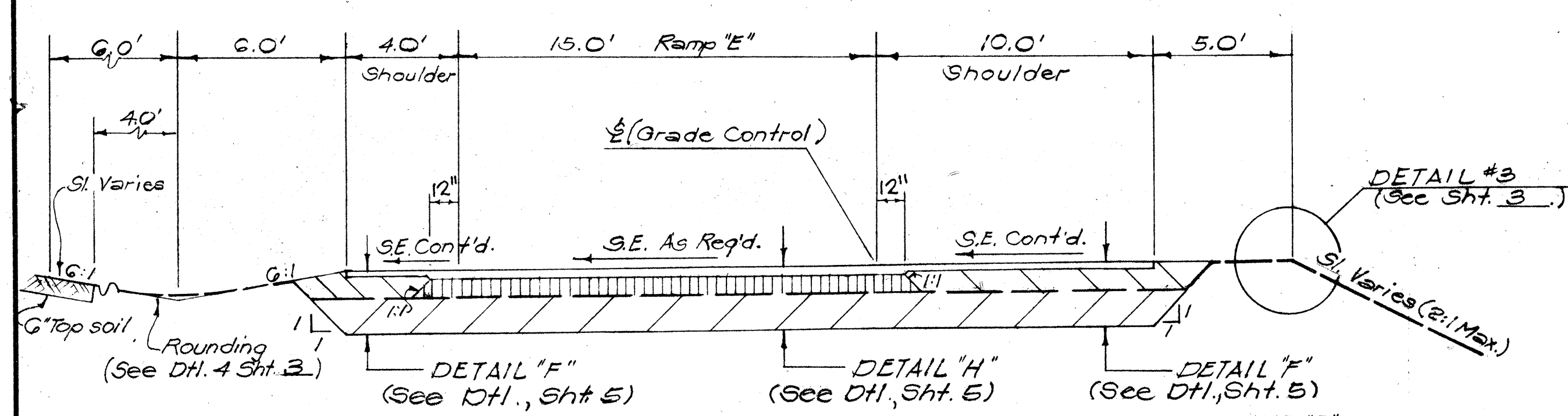
DATE	*****
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
TRACED BY	
NOTE BOOK	
NO.	



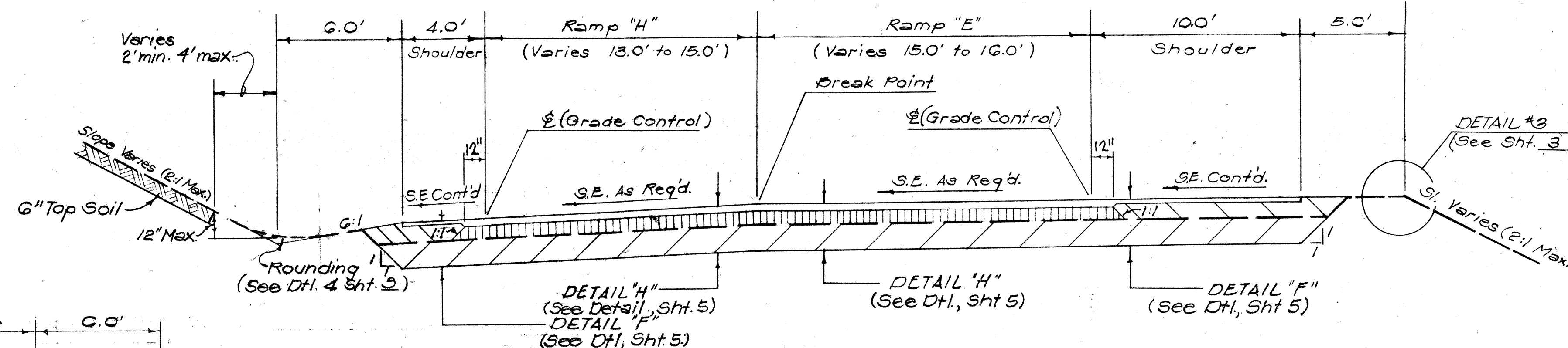
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL ROADWAY SECTIONS
(RAMPS "B", "C", "D", "G", & "H")
INTERSTATE ROUTE H-1
PROJ. NO. I-HI-1(65):10
Scale: As Shown Date: 4-24-69
SHEET No. 5 OF 6 SHEETS

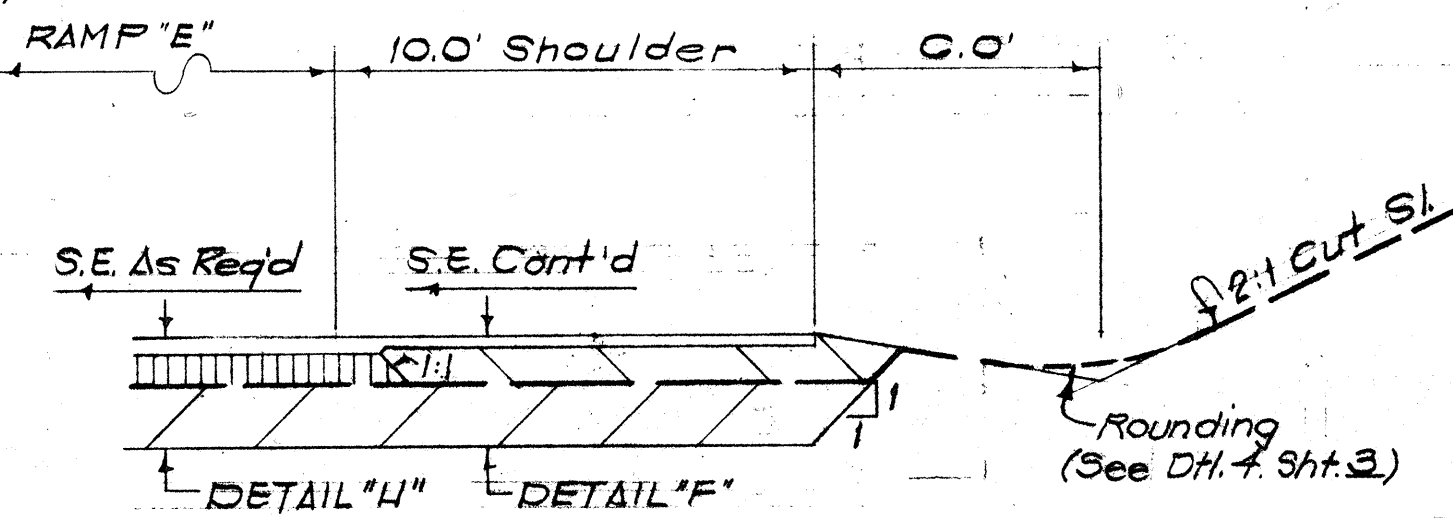
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HAWAII	HAW.	F-H-1(65)10 F-H-1(40)11	1969	7	135



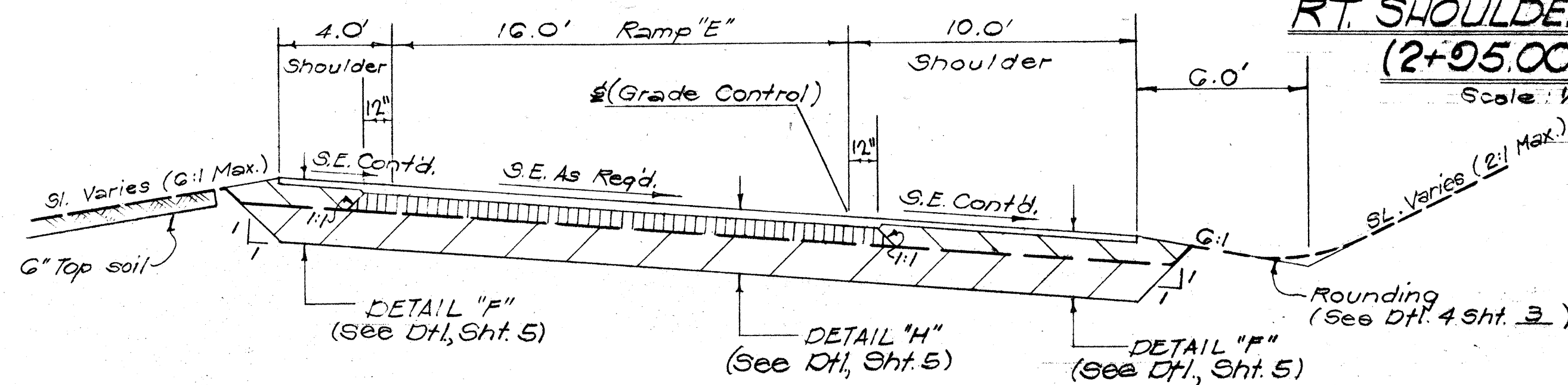
TYPICAL SECTION RAMP "E"
3+05.00 to 6+53.00
Scale: 1/4" = 1'-0"



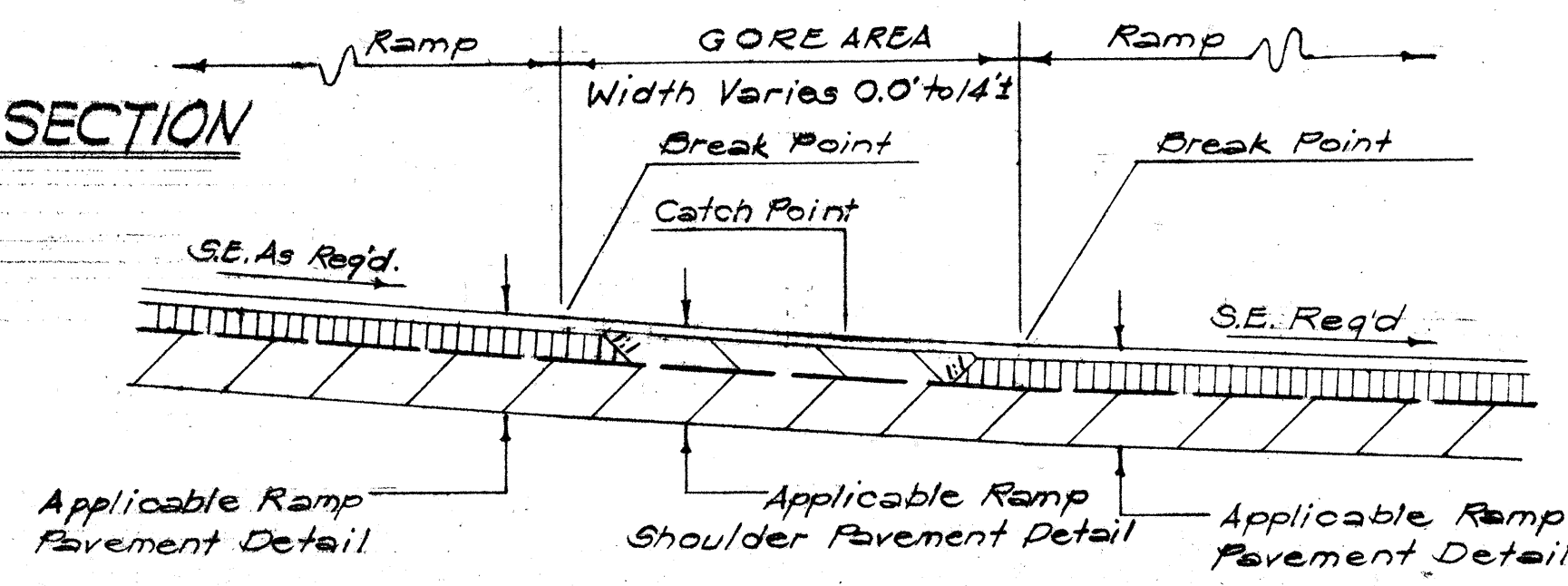
TYPICAL SECTION RAMP "E"
(14+23.00 to 16+00.14)
Scale: 1/4" = 1'-0"



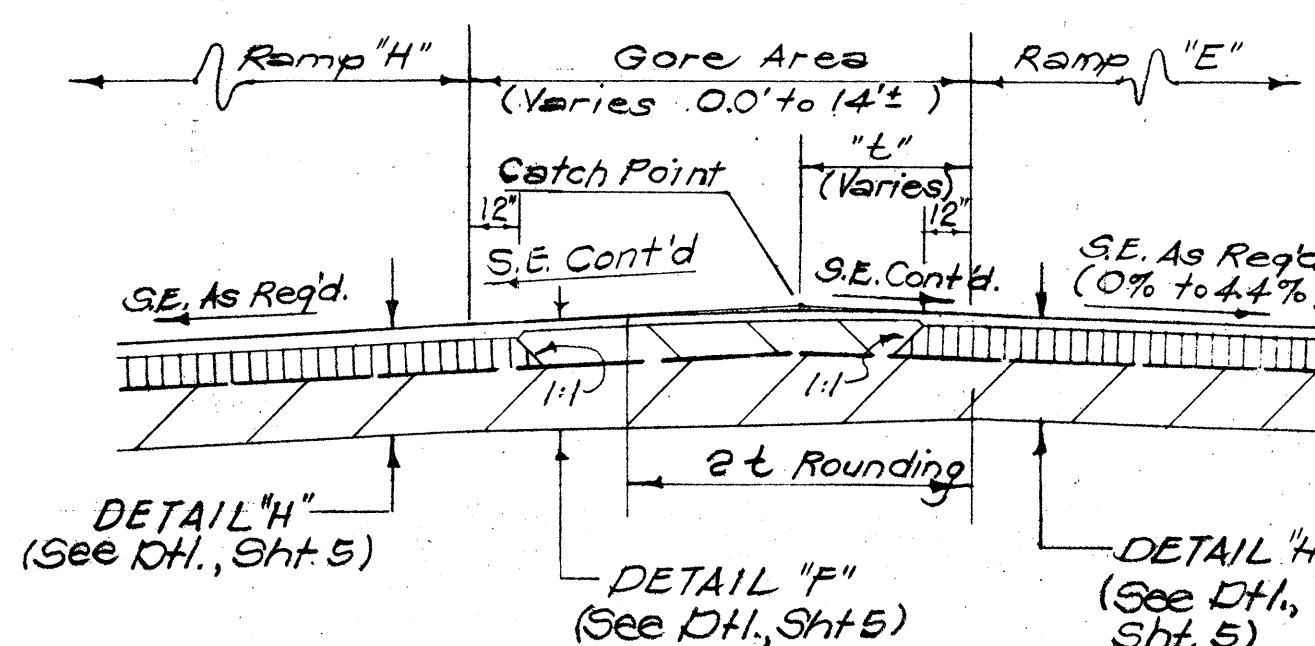
RAMP "E"
RT. SHOULDER DETAIL-CUT SECTION
(2+05.00 to 10+50.58)
Scale: 1/4" = 1'-0"



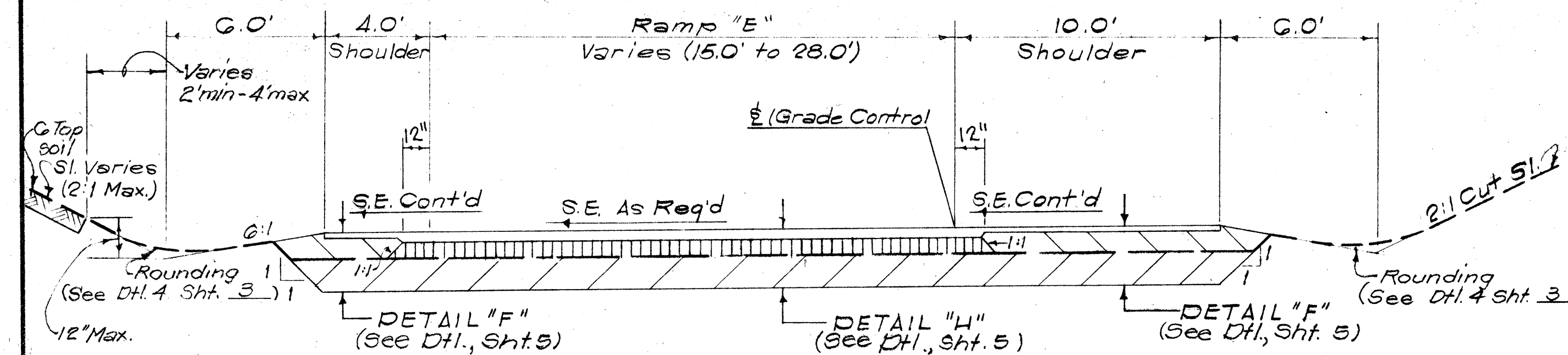
TYPICAL SECTION RAMP "E"
(17+70.05 to 19+50.58)
Scale: 1/4" = 1'-0"



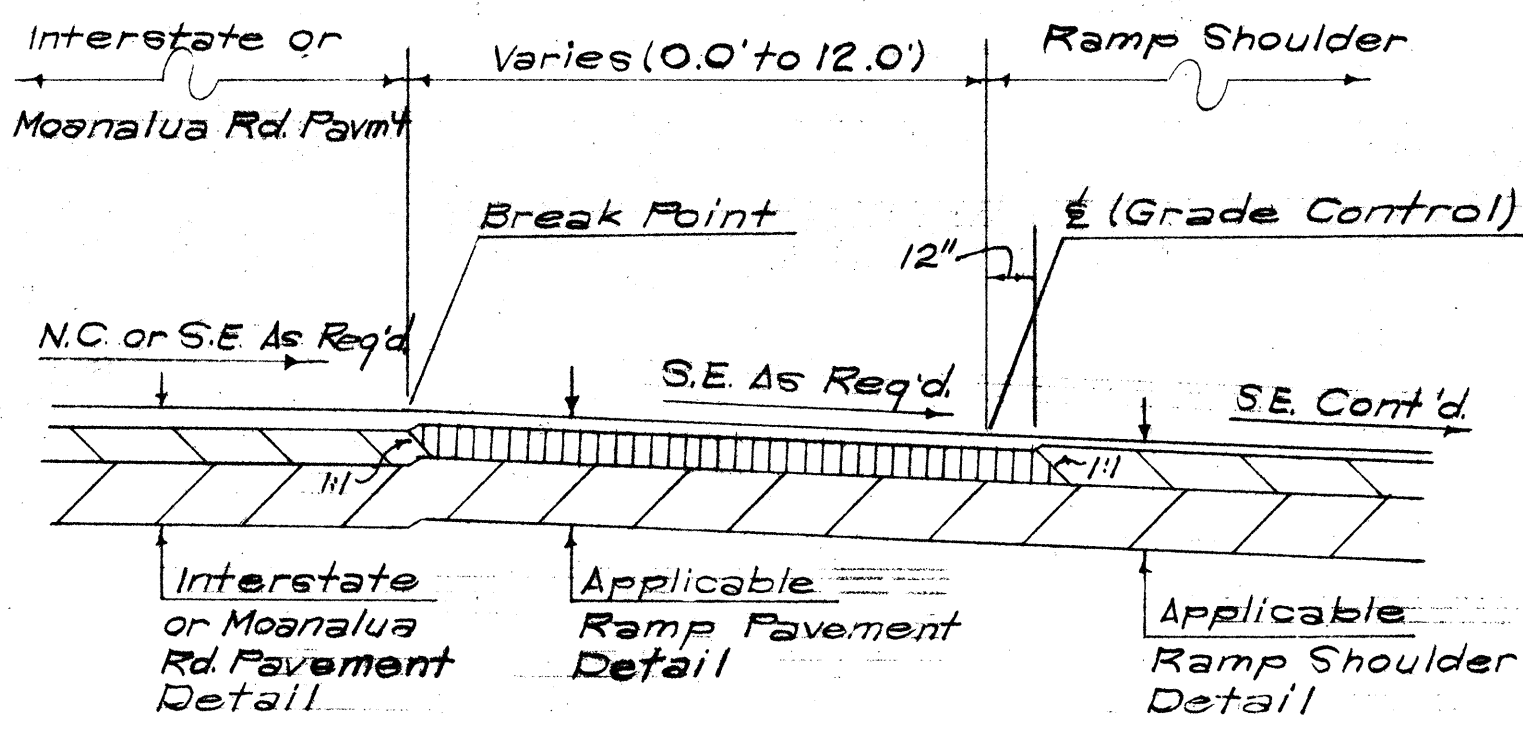
TYPICAL RAMP GORE DETAIL
(SAG CONDITION)
Scale: 1/4" = 1'-0"



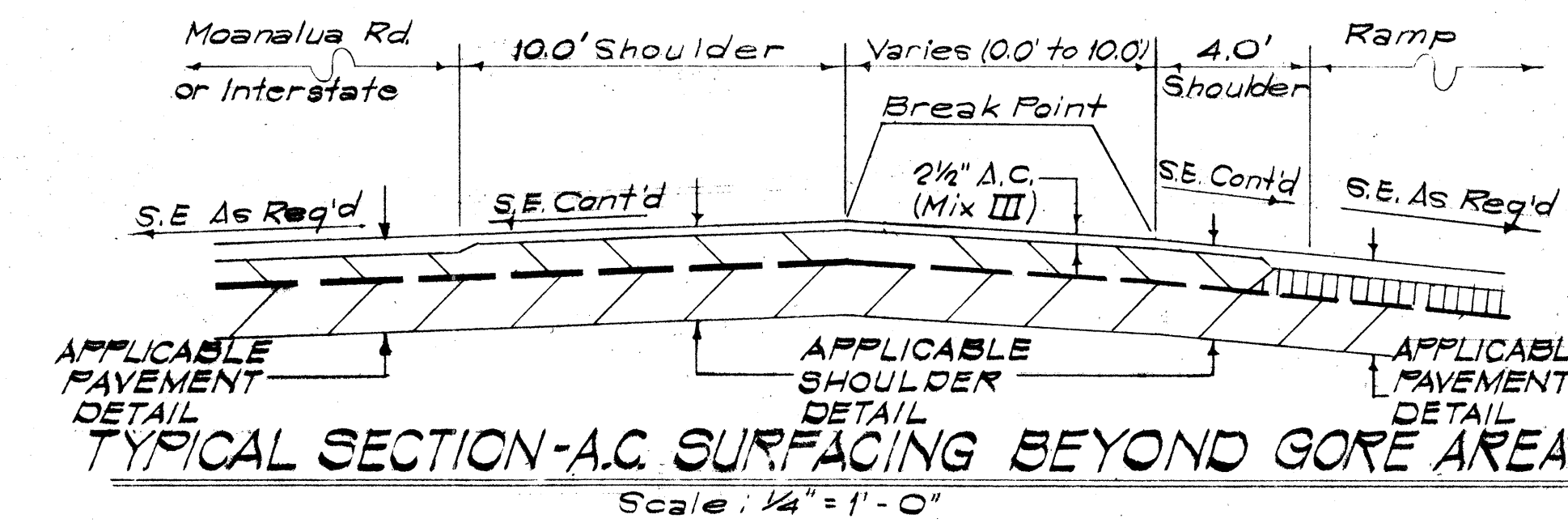
TYPICAL RAMP GORE DETAIL
(CREST CONDITION)
Scale: 1/4" = 1'-0"



TYPICAL SECTION RAMP "E"
(6+53.00 to 14+23.00)
Scale: 1/4" = 1'-0"

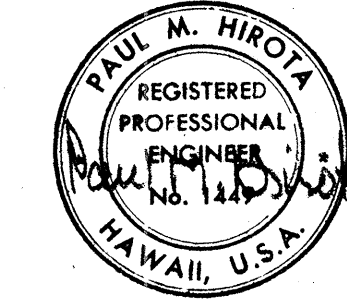


TYPICAL SECTION-LT.E.P. TOUCH DN. TO
BEGINNING OR END RAMP (ALL RAMPs)
Scale: 1/4" = 1'-0"



TYPICAL SECTION-A.C. SURFACING BEYOND GORE AREAS
Scale: 1/4" = 1'-0"

DATE	.....
SURVEYED BY	.....
DRAWN BY	.....
CHECKED BY	.....
NOTED BY	.....
NO.	.....



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL ROADWAY
SECTIONS
(RAMP "E" & MISC. GORES)
INTERSTATE ROUTE H-1
PROJ. NO. 1-H-1(65)10
Scale: As Shown Date: 4-24-69
SHEET No. 6 OF 6 SHEETS

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