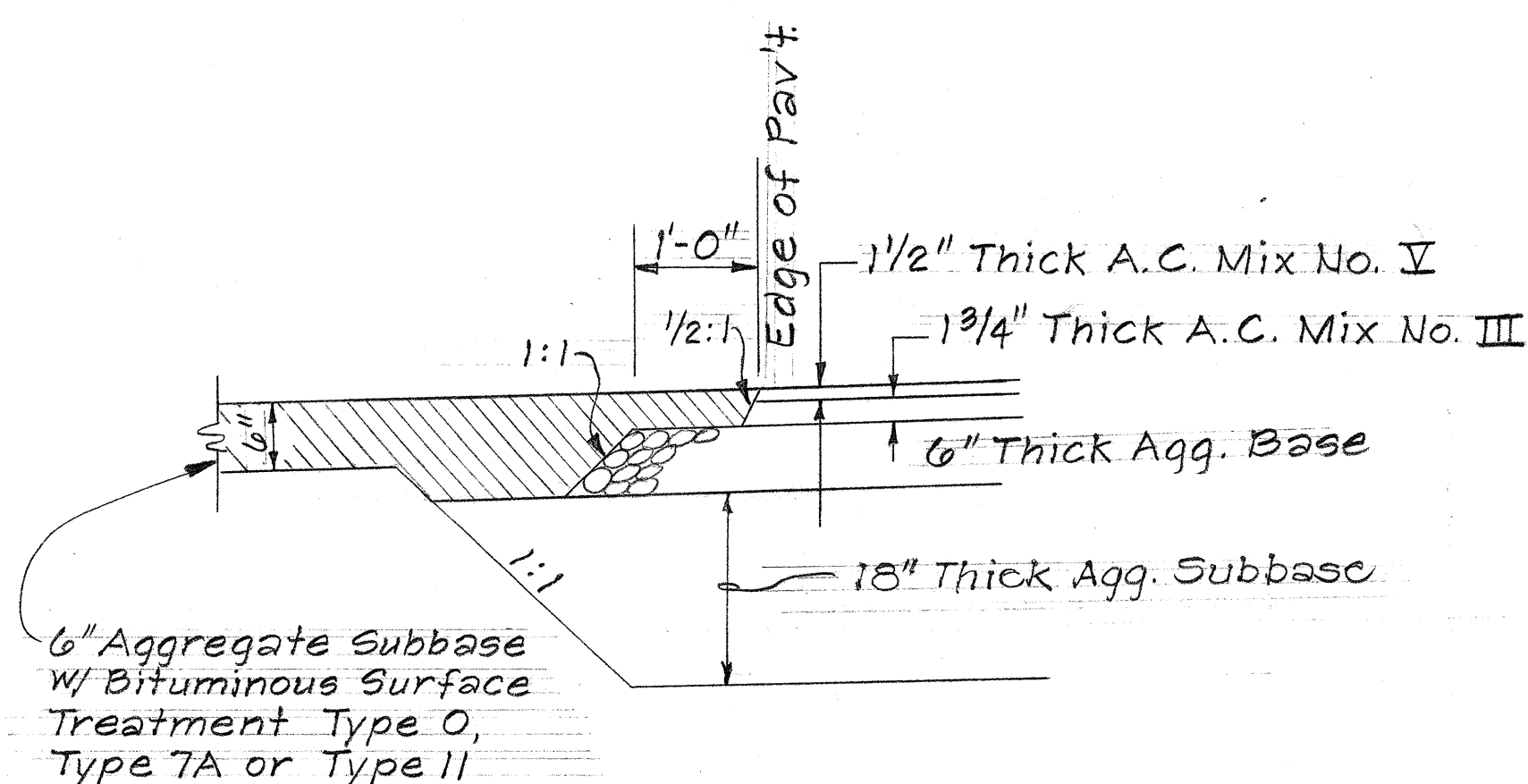
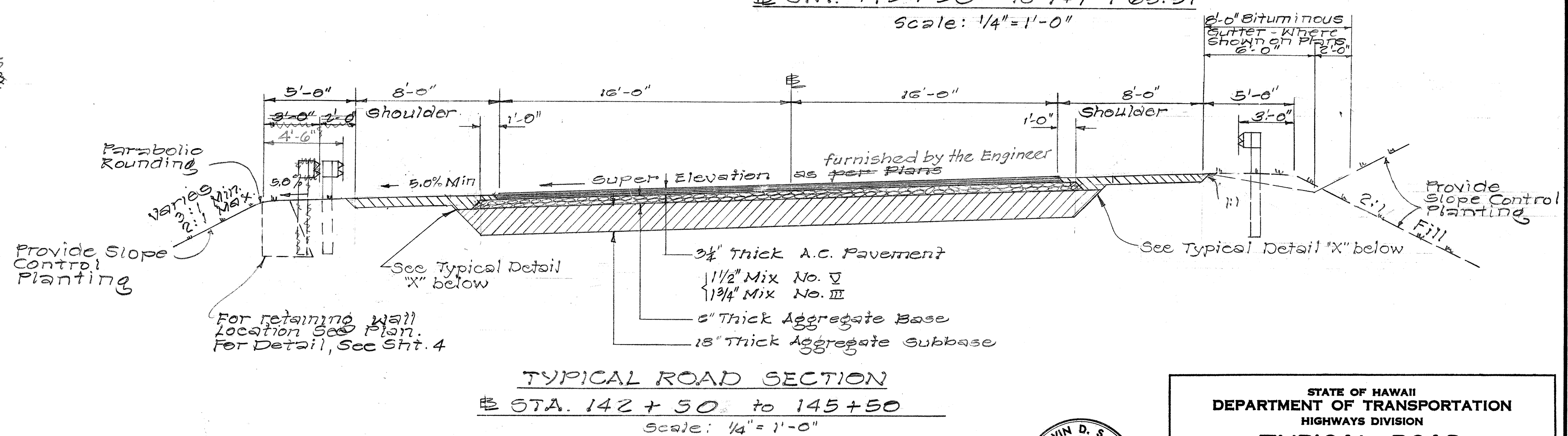
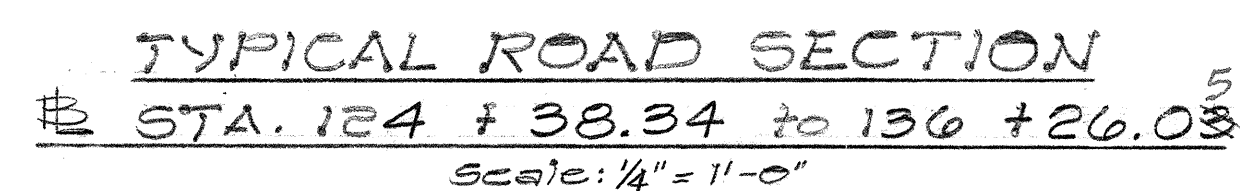
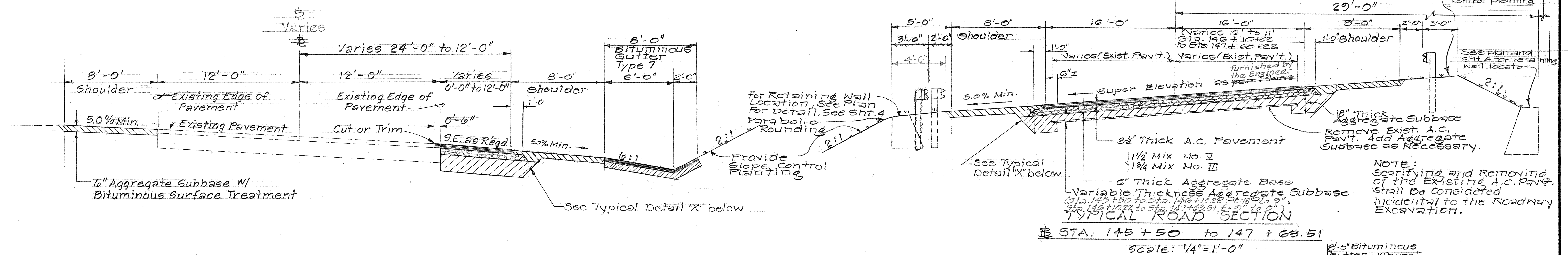
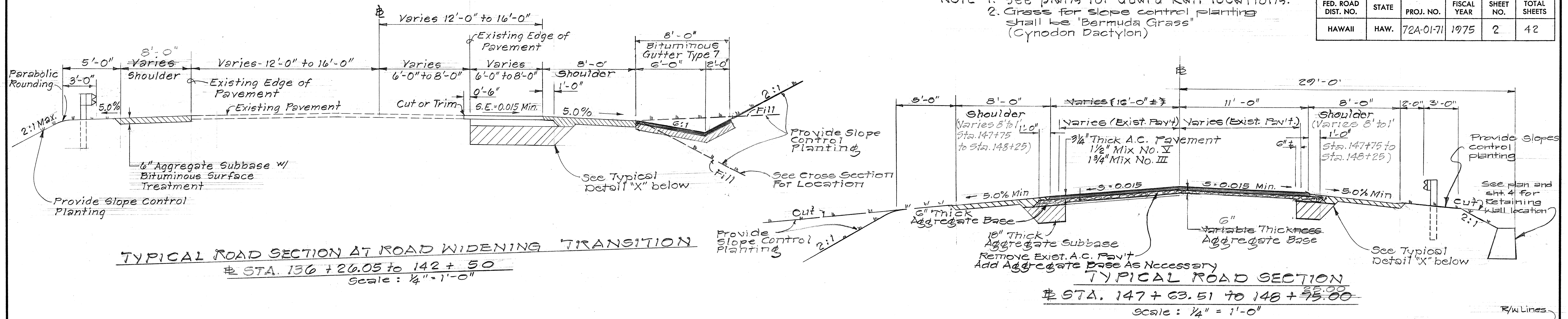


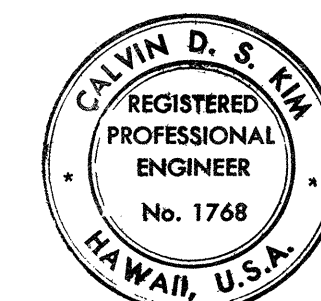
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-01-71	1975	2	42

NOTE 1. see plans for Guard Rail locations.
2. Grass for slope control planting shall be "Bermuda Grass" (Cynodon Dactylon)



TYPICAL DETAIL "X"
Scale: $\frac{3}{4}" = 1'-0"$

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



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

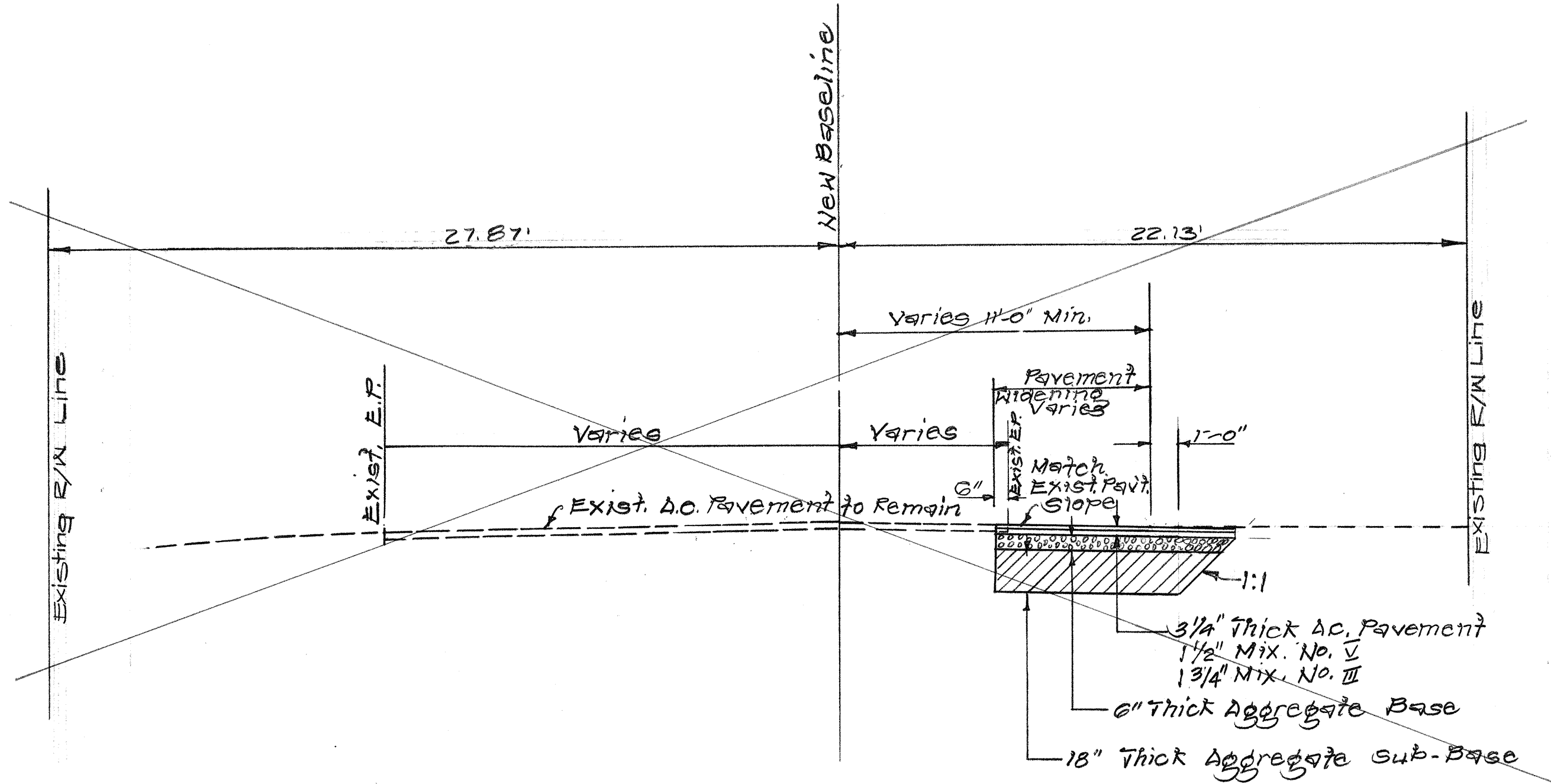
TYPICAL ROAD SECTIONS

KALANIANA'OLE HIGHWAY
PROJECT NO. 72A-01-71

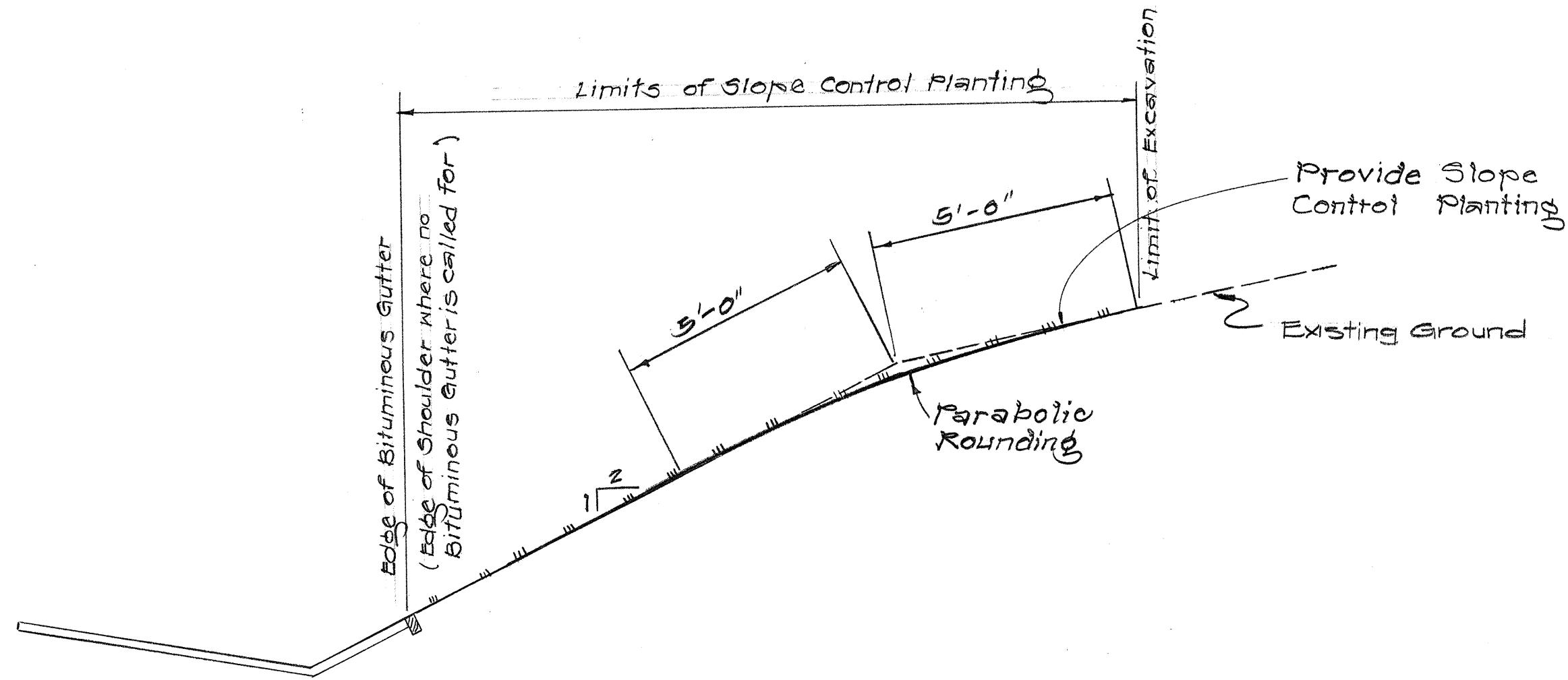
SCALE: AS SHOWN

SHEET No. 1 OF 3 SHEETS

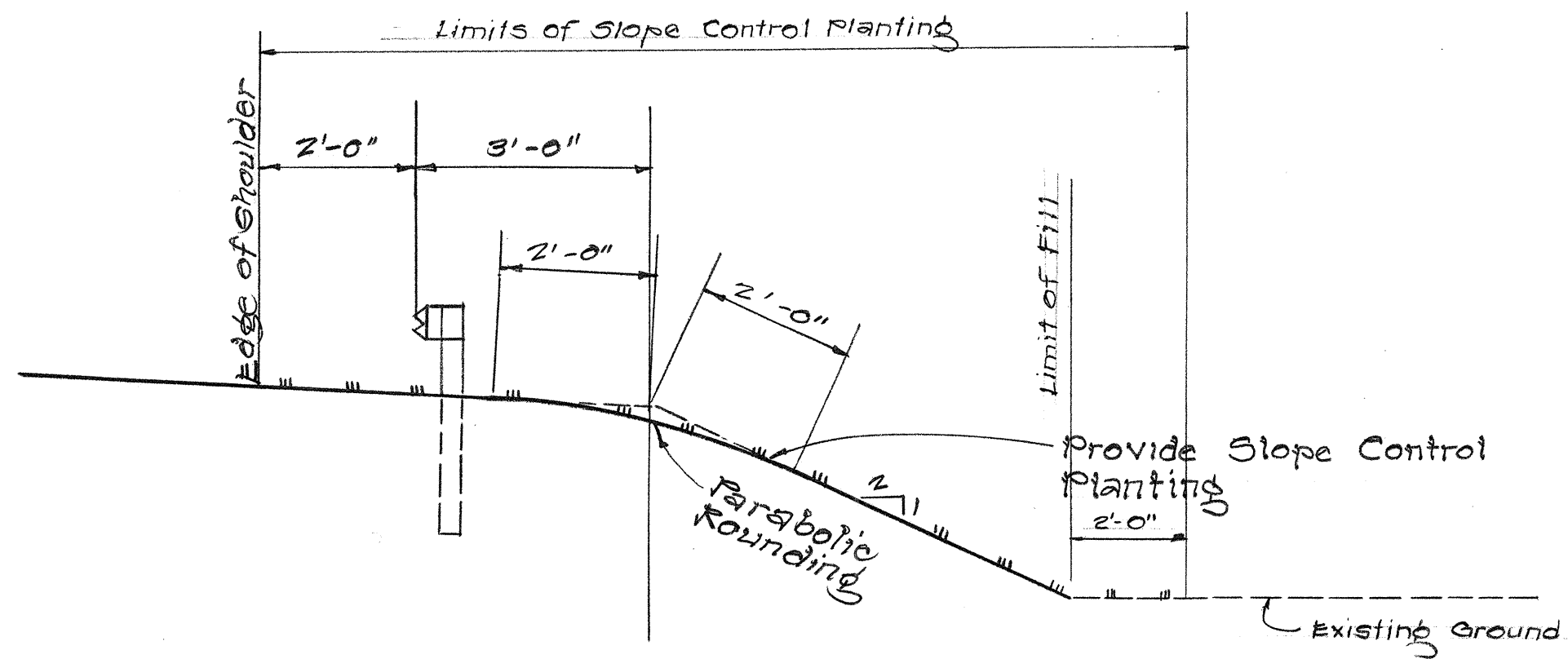
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-01-71	1975	3	42



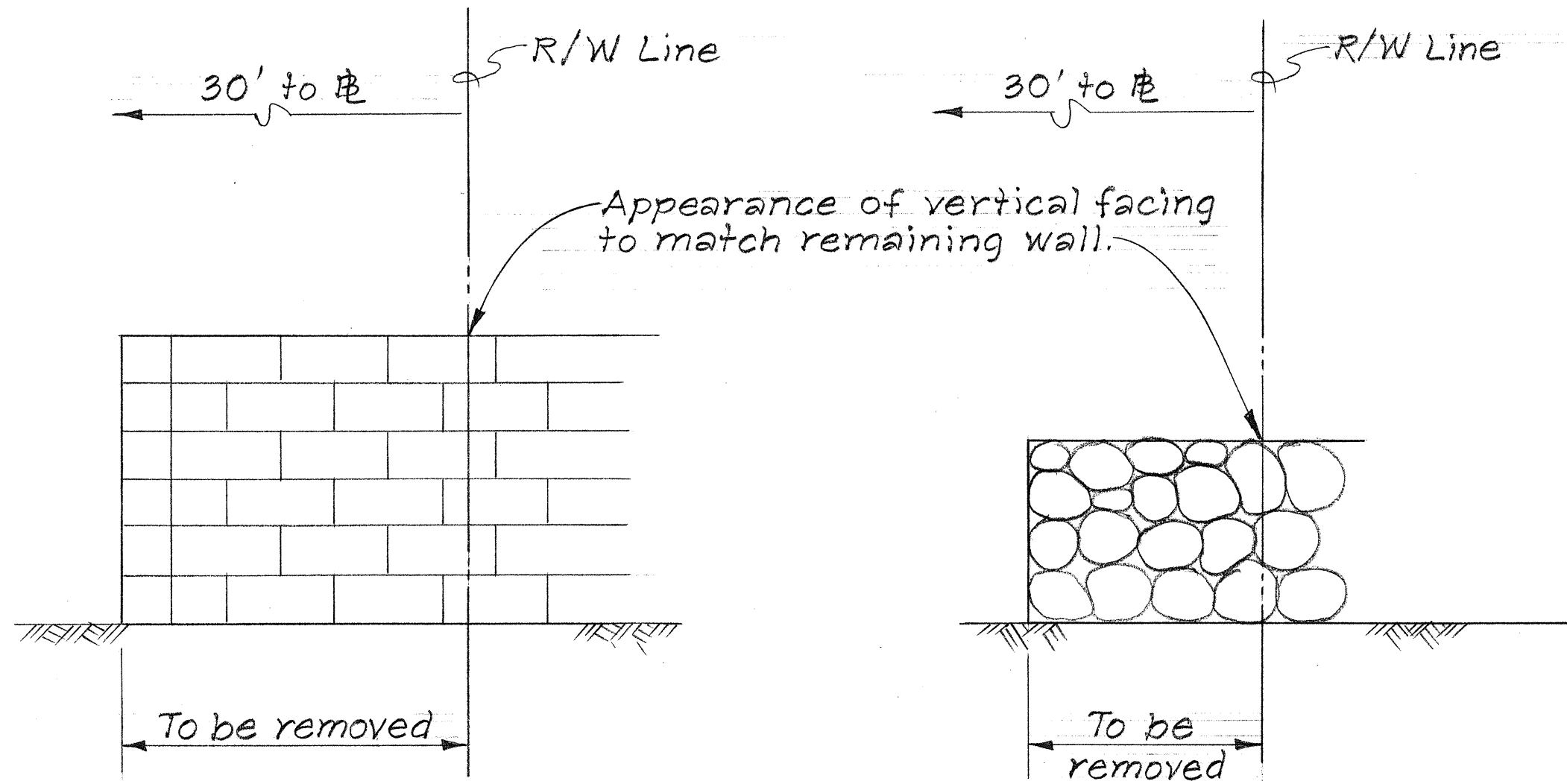
TYPICAL ROAD SECTION
STA. 148 + 75 TO STA. 150 + 55
 Scale: 1/4" = 1'-0"



DETAIL - TOP OF CUT
ROUNDING
 Scale: 3/8" = 1'-0"



FILL SECTION
SHOULDER ROUNDING
 Scale: 1/4" = 1'-0"



Existing H.T. Wall @ Sta. 146+51 ± R+ Existing CRM Wall @ Sta. 147+32 ± R+
 Cost of removing and refacing walls shall be incidental to Roadway Excavation.

DETAIL FOR WORK ON EXISTING WALLS
 N.T.S.

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



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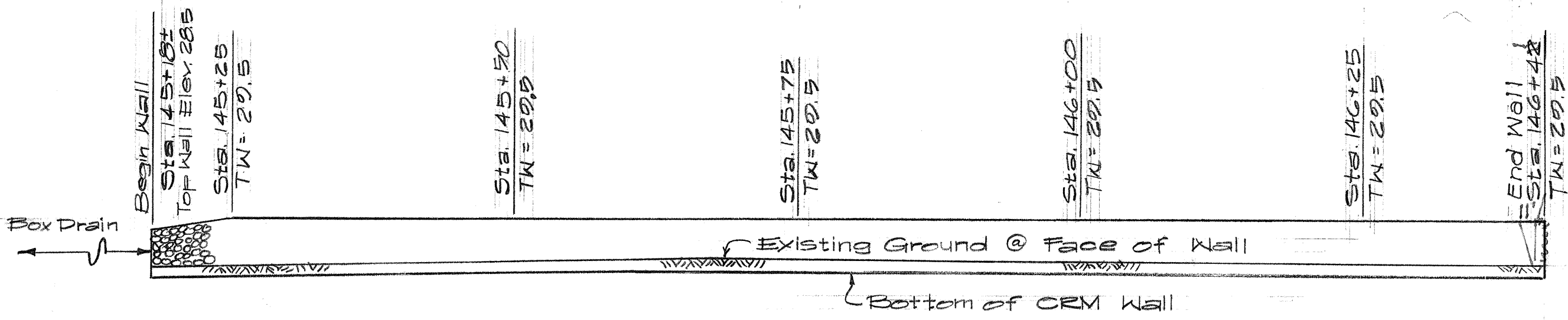
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL ROAD SECTIONS

KALANIANA'OLE HIGHWAY
 PROJECT NO. 72A-01-71
 SCALE AS SHOWN

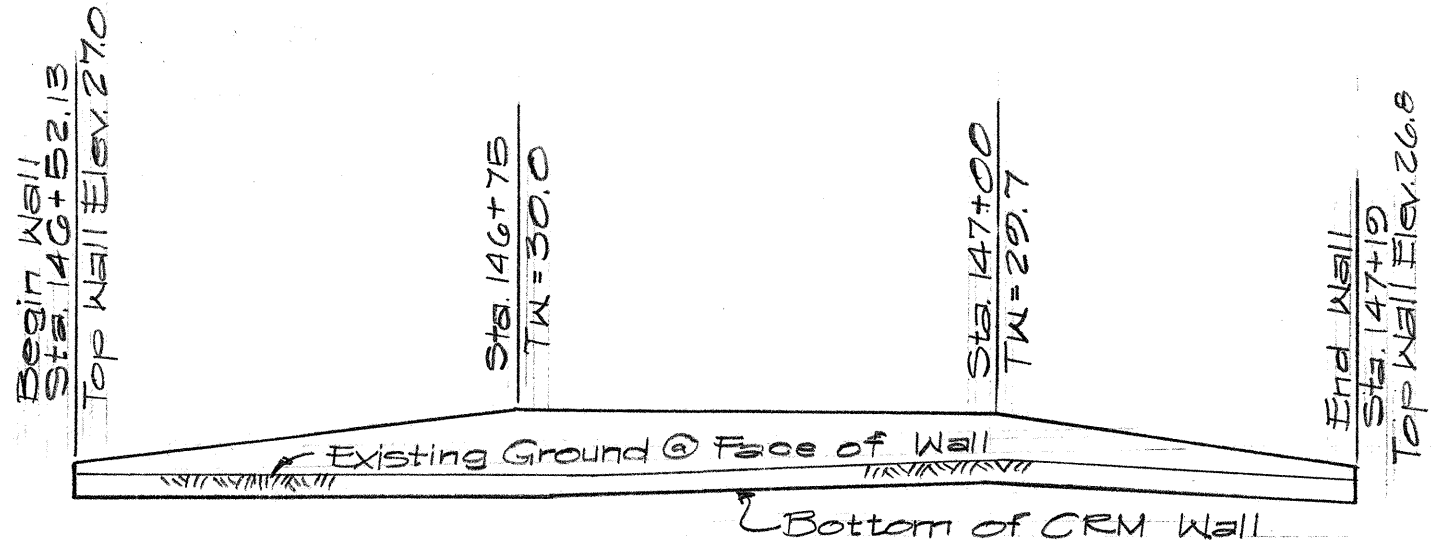
SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-01-71	1975	4	42

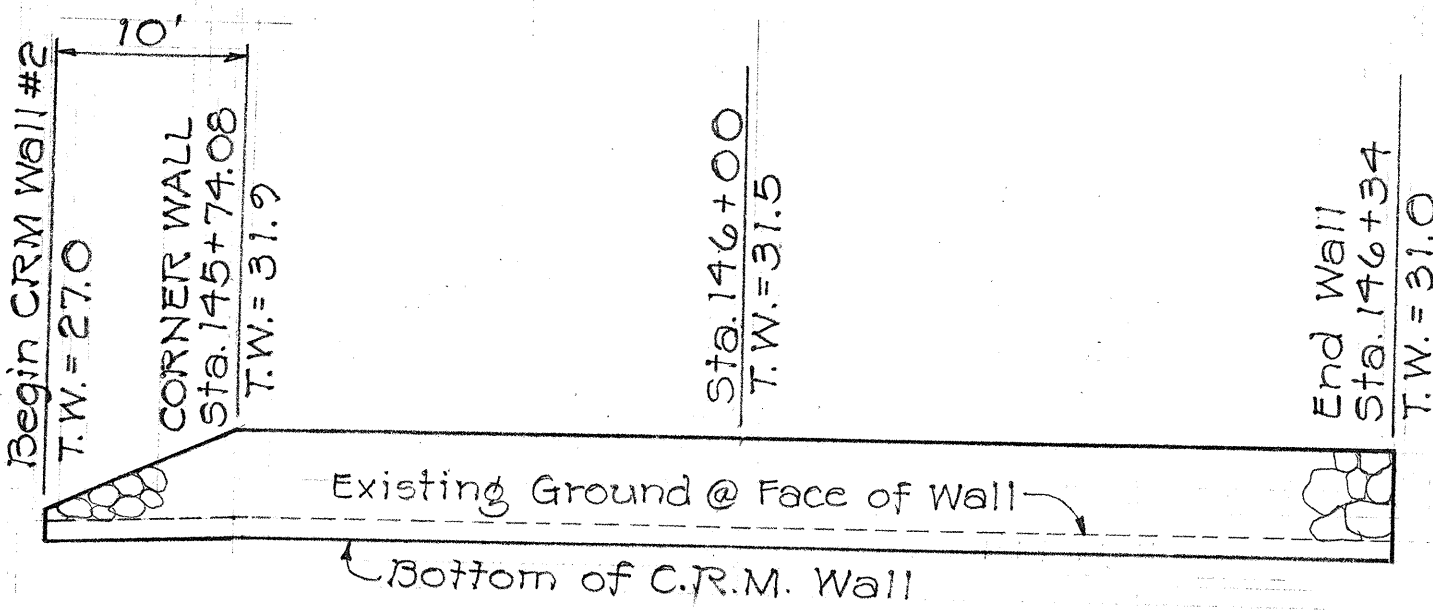
A.C. DRIVEWAY SUMMARY		
STA.	AREA(Sq. Ft.)	REMARK
129+60 Rt.	1,250	
144+29 Rt.	375	
145+50 Rt.	500-620	
146+41 Rt.	350	
146+51 Lt.	375-590	
147+33 Rt.	850	
147+15 Lt.	632	



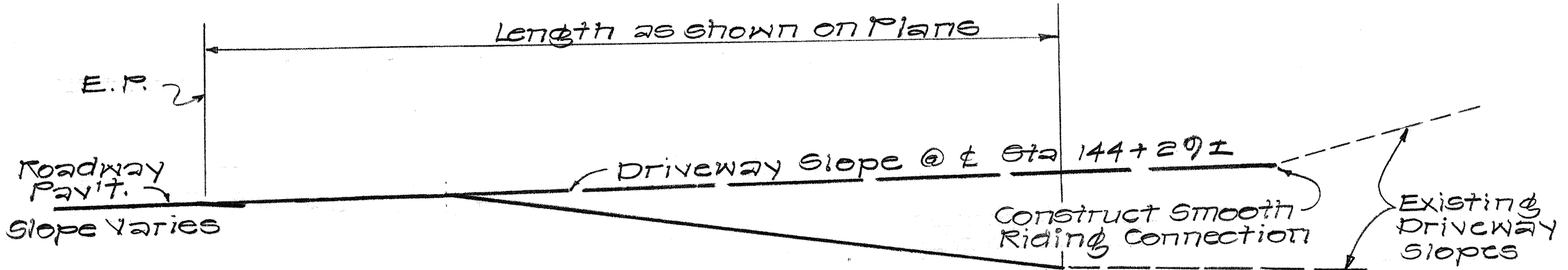
PROFILE CRM WALL #1
Scale 1"=10'



PROFILE CRM WALL #3
Scale 1"=10'

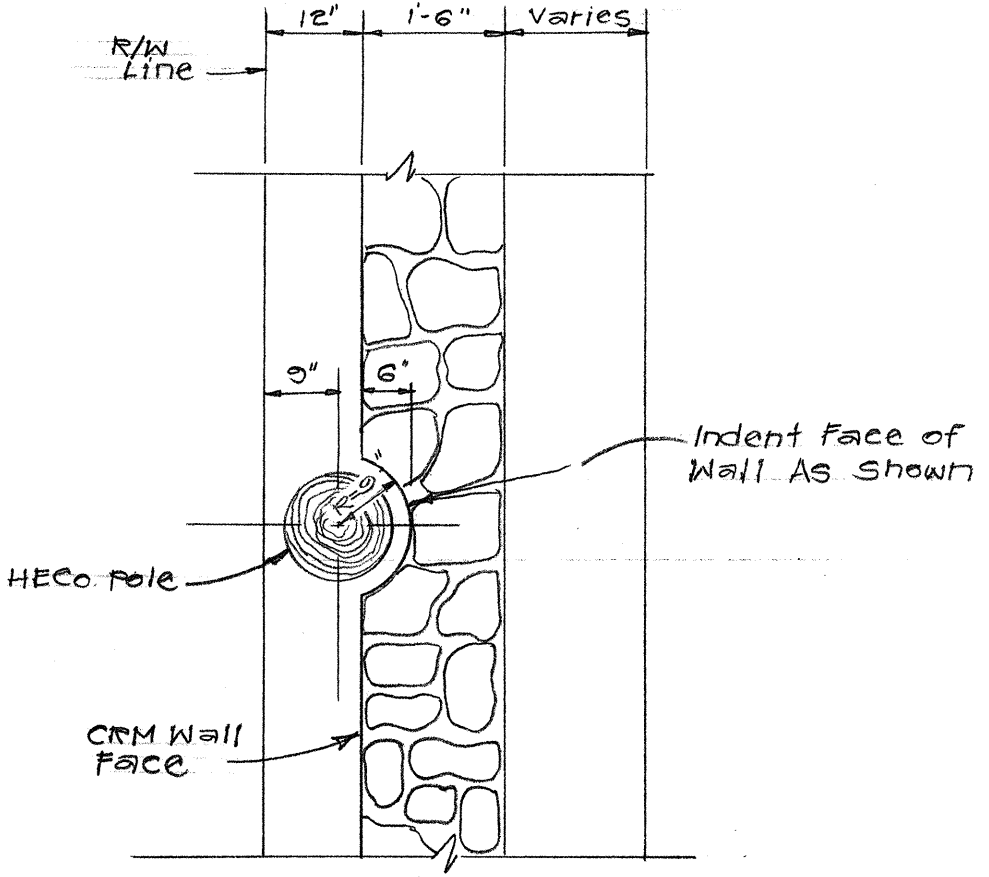


PROFILE CRM WALL #2
Scale 1"=10'

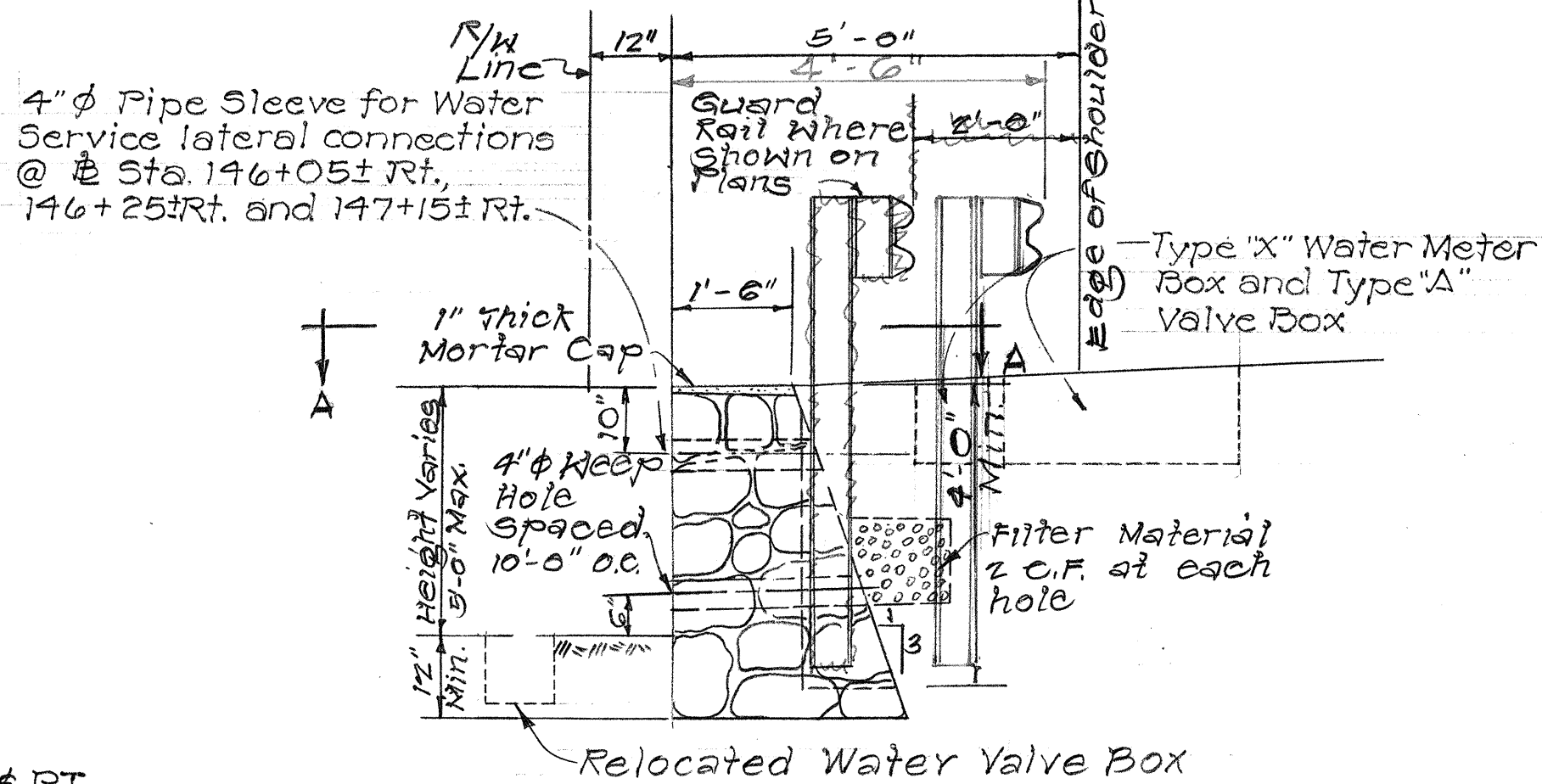


TYPICAL DRIVEWAY PROFILE
Scale: 1/4"=1'-0"

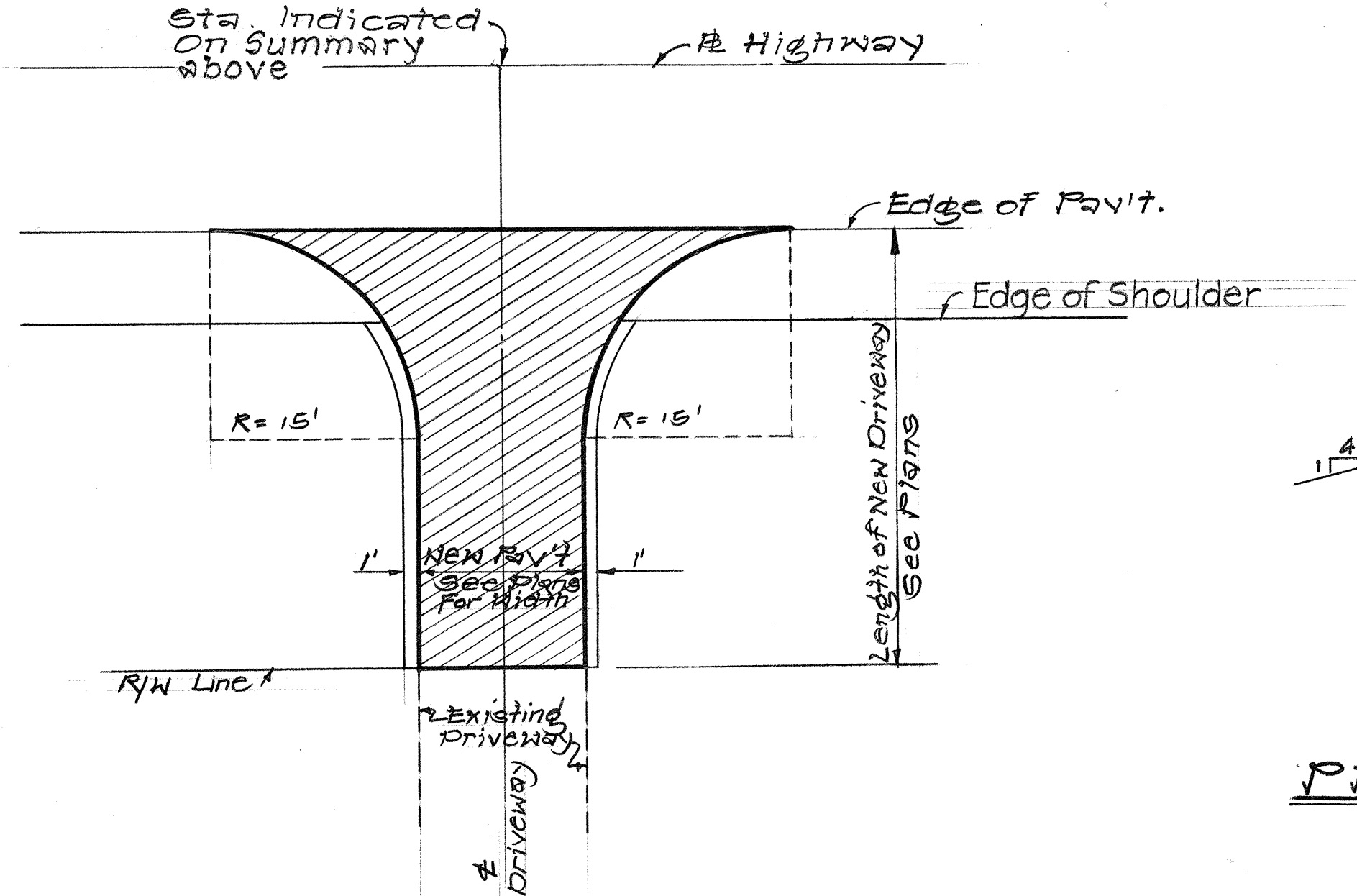
NOTE:
All grade changes within driveways shall be constructed with a smooth vertical curve. The Contractor shall remove existing hollow tile walls and CRM walls within the new highway R/W boundaries. Cut ends of remaining walls at the R/W line shall be refaced by the Contractor. Cost to remove existing walls and refacing remaining walls shall be incidental to Roadway Excavation.



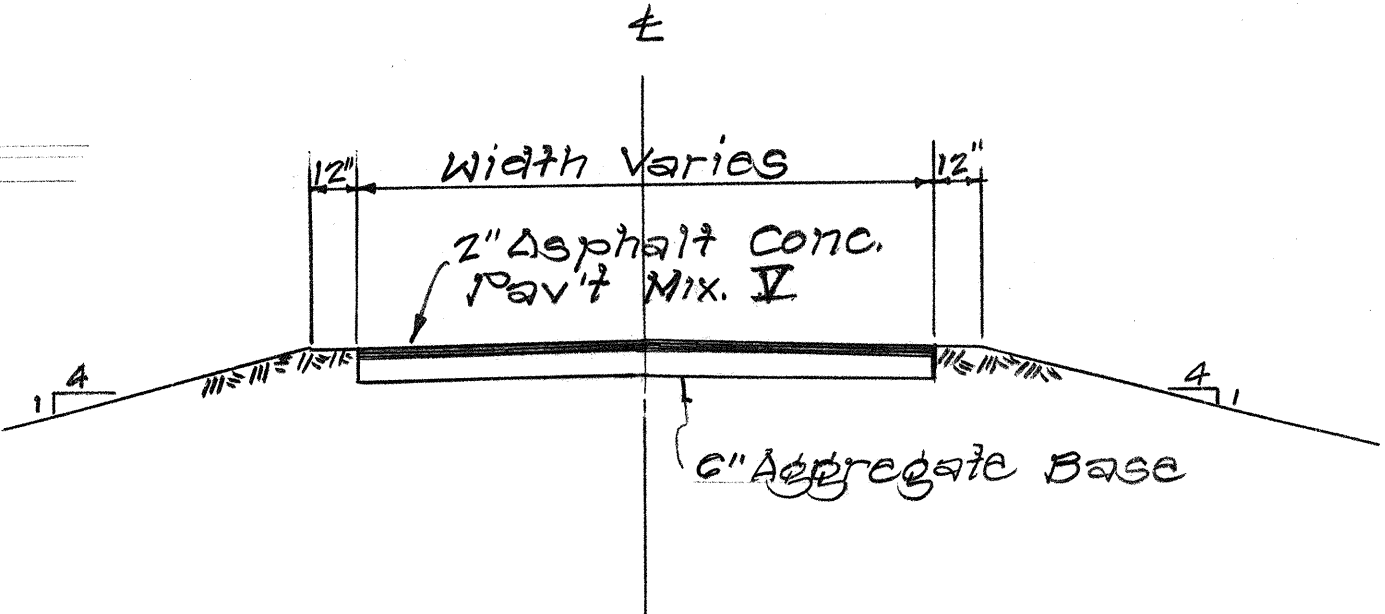
PLAN-SLOT IN CRM WALL FOR HECO POLE @ STA 146+03± LT. & RT.
Scale: 1/2"=1'-0"



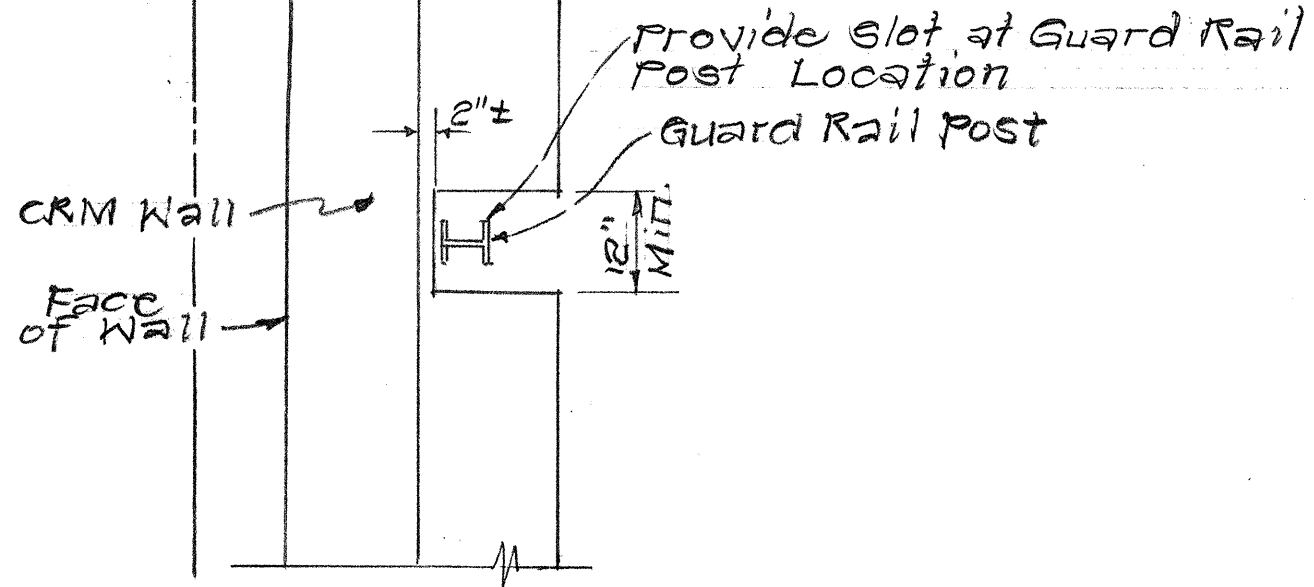
CRM WALL DETAIL
Scale: 1/2"=1'-0"



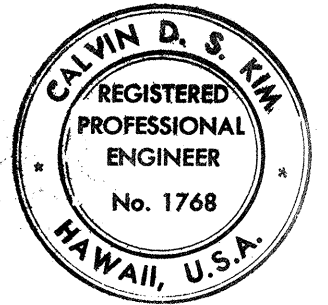
PLAN-PRIVATE DRIVEWAY RAMP
Scale: 1"=10'



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



SECTION "A-A" SLOT IN CRM WALL FOR GUARD RAIL POST
Scale: 1/2"=1'-0"



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROAD SECTIONS

KALANIANA'OLE HIGHWAY
PROJECT NO. 72A-01-71
SCALE: AS SHOWN

SHEET No. 3 OF 3 SHEETS

DATE	21-02-21-02
ORIGINAL PLAN	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
CHECKED BY	
No.	