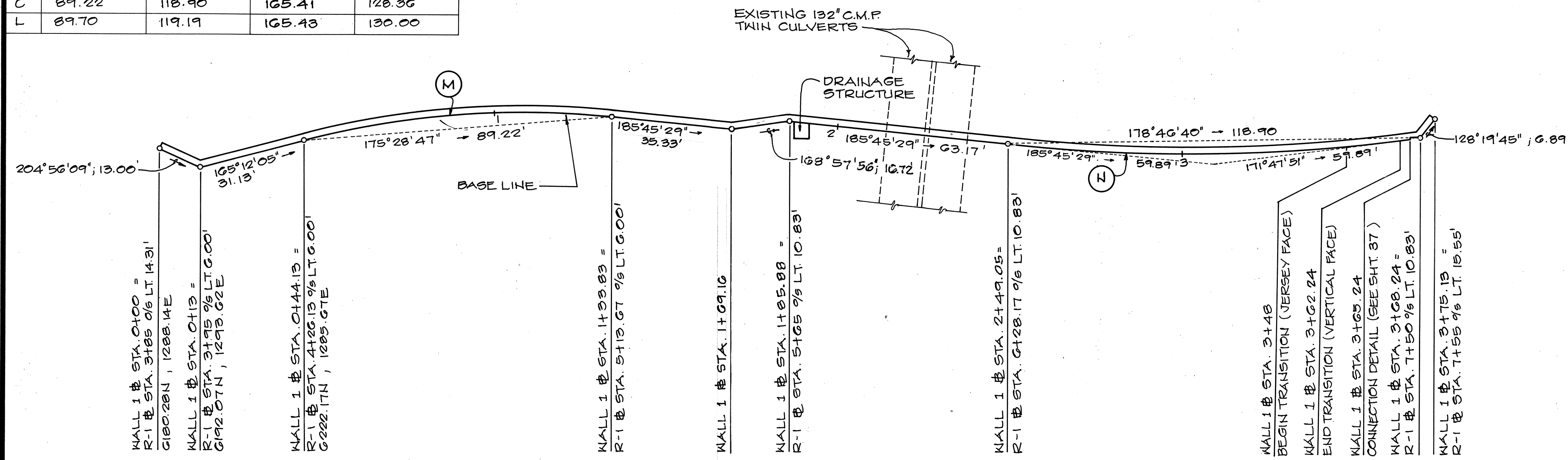
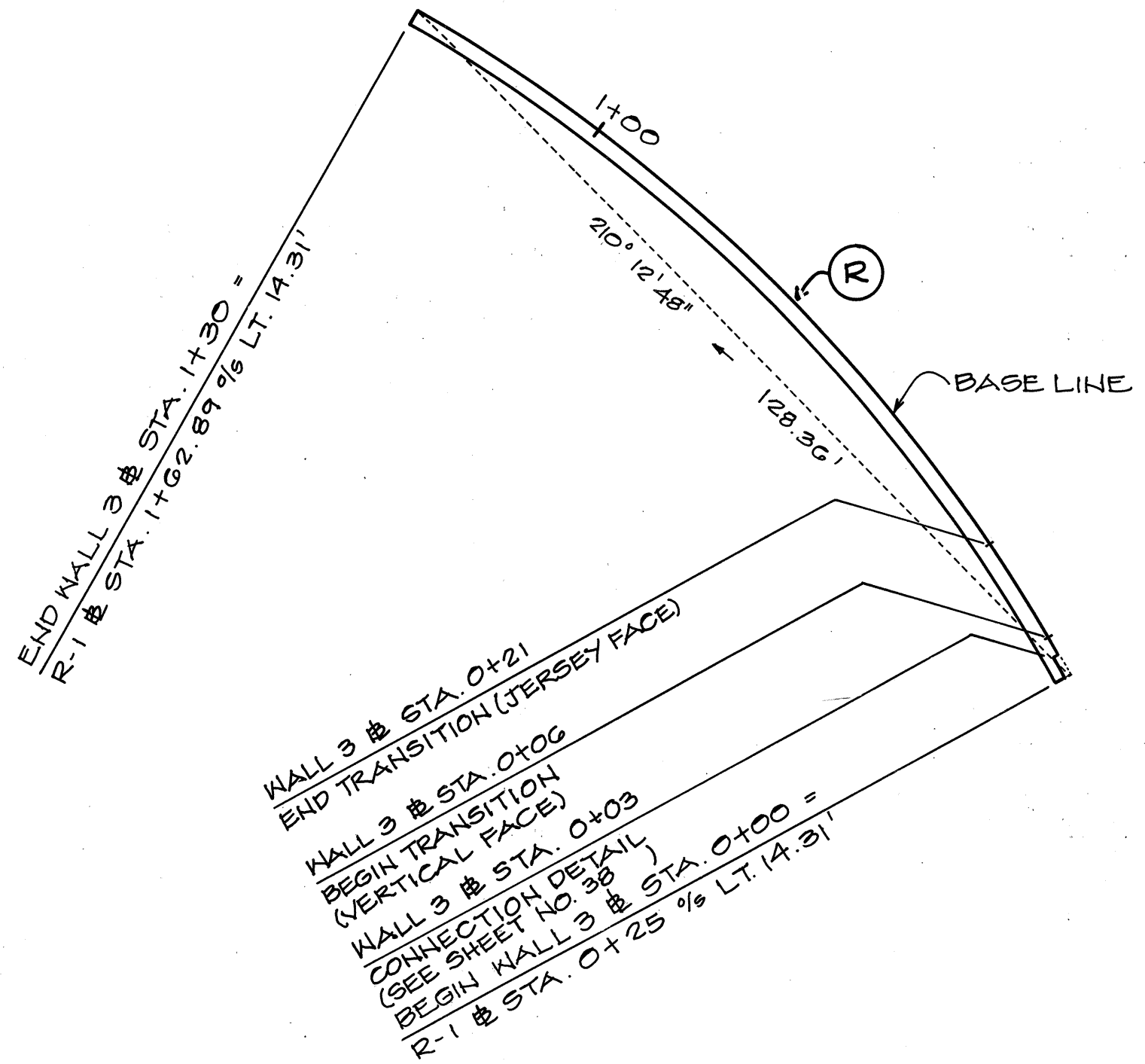


	(M)	(N)	(O)	(R)
Δ	20° 33' 24"	13° 51' 38"	02° 53' 23"	31° 36' 10"
A/2	10° 16' 42"	06° 58' 49"	01° 26' 41.5"	15° 48' 05"
R	250.00	489.17	3280.00	235.69
T	45.34	59.89	82.73	66.70
C	89.22	118.90	165.41	128.36
L	89.70	119.19	165.43	130.00

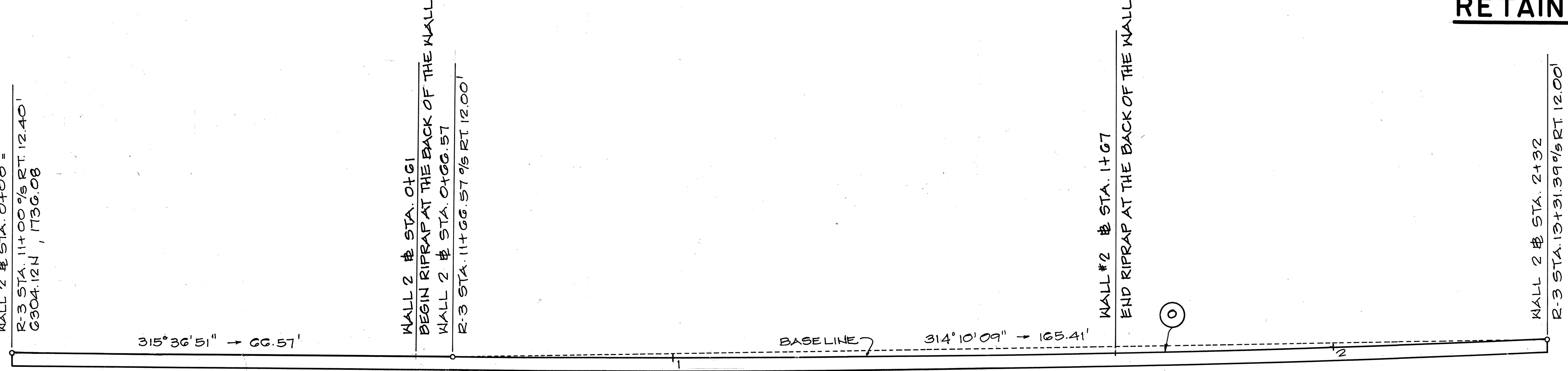
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(29)	1997	90	129



RETAINING WALL 1 ALIGNMENT DETAIL
SCALE: 1" = 20'



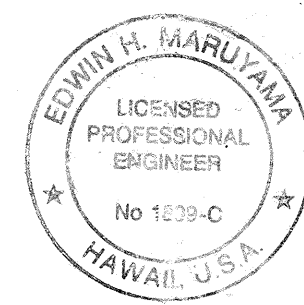
RETAINING WALL 3 ALIGNMENT DETAIL
SCALE: 1" = 20'



RETAINING WALL 2 ALIGNMENT DETAIL
SCALE: 1" = 10'

NOTE: FOR WALLS RELATIVE CONFIGURATIONS AND ELEVATIONS, SEE PROFILES.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
DESIGNED BY		
CHECKED BY		
NO.		

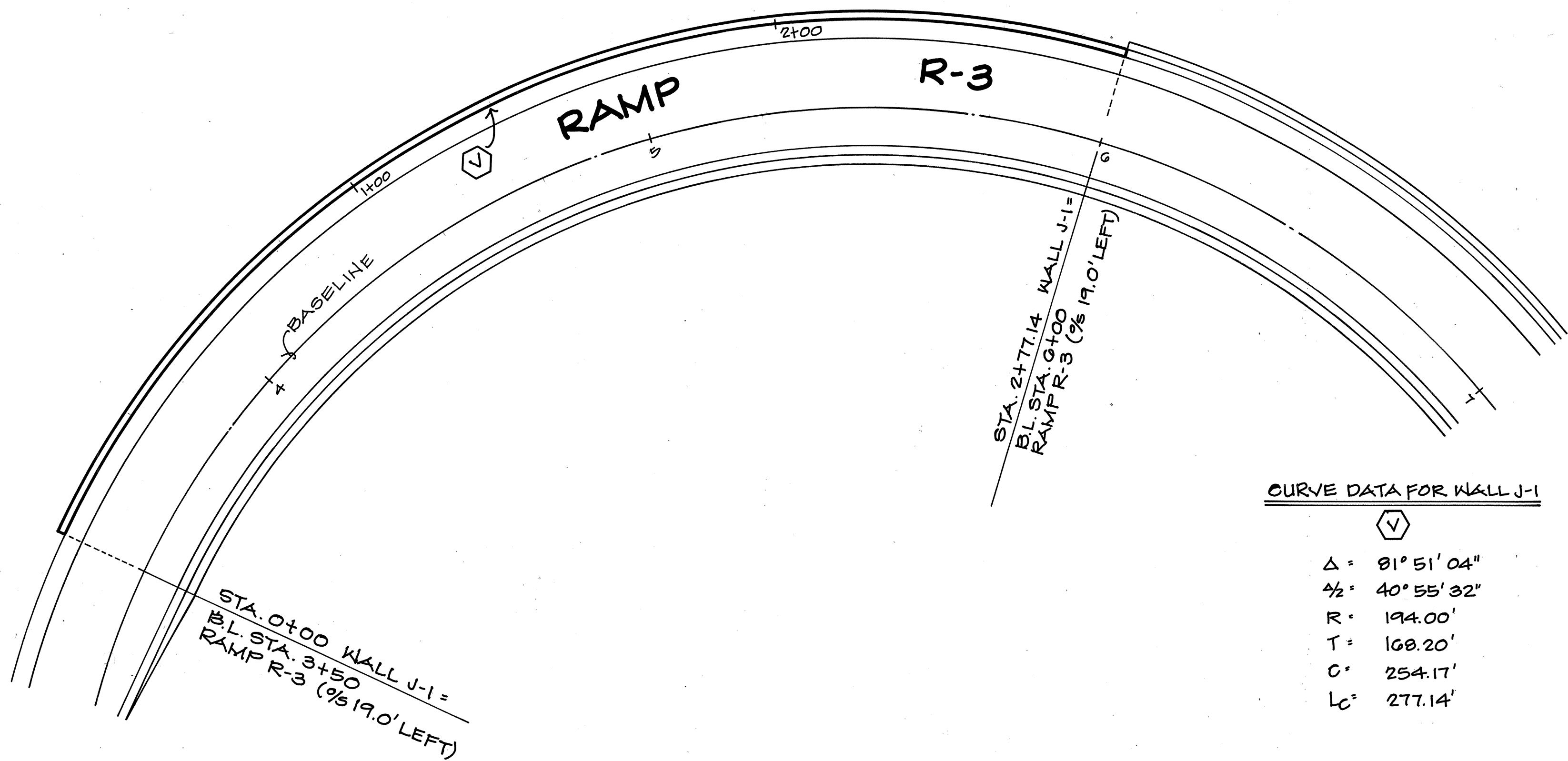


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RUITA & ASSOCIATES

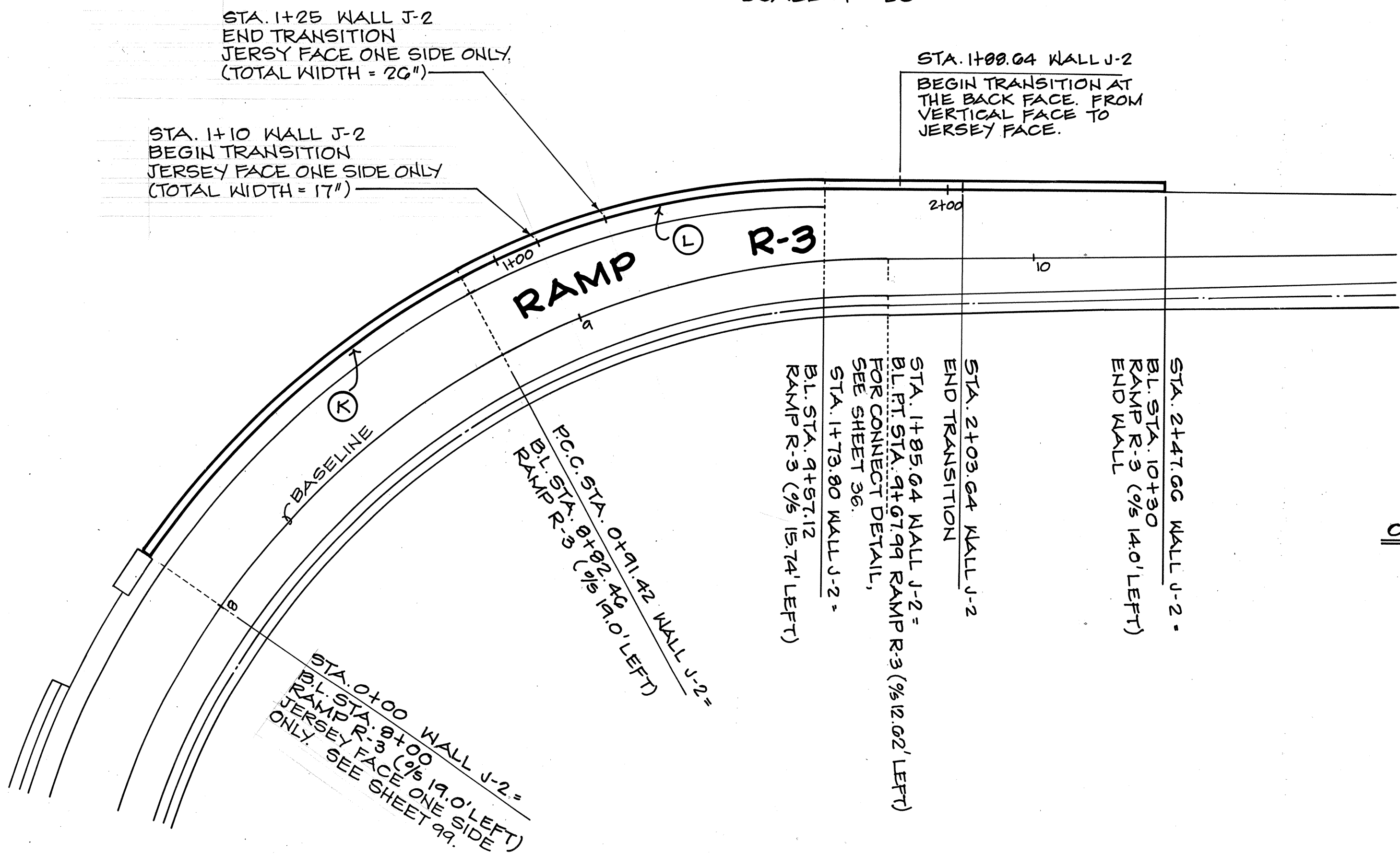
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADE WALLS ALIGNMENT
INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON- AND OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)
SCALE: AS NOTED DATE: MAR. 1997
SHEET NO. 90 OF 100 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(29)	1997	91	129



PLAN~RETAINING WALL J-1
SCALE: 1" = 20'



PLAN~RETAINING WALL J-2
SCALE: 1" = 20'

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

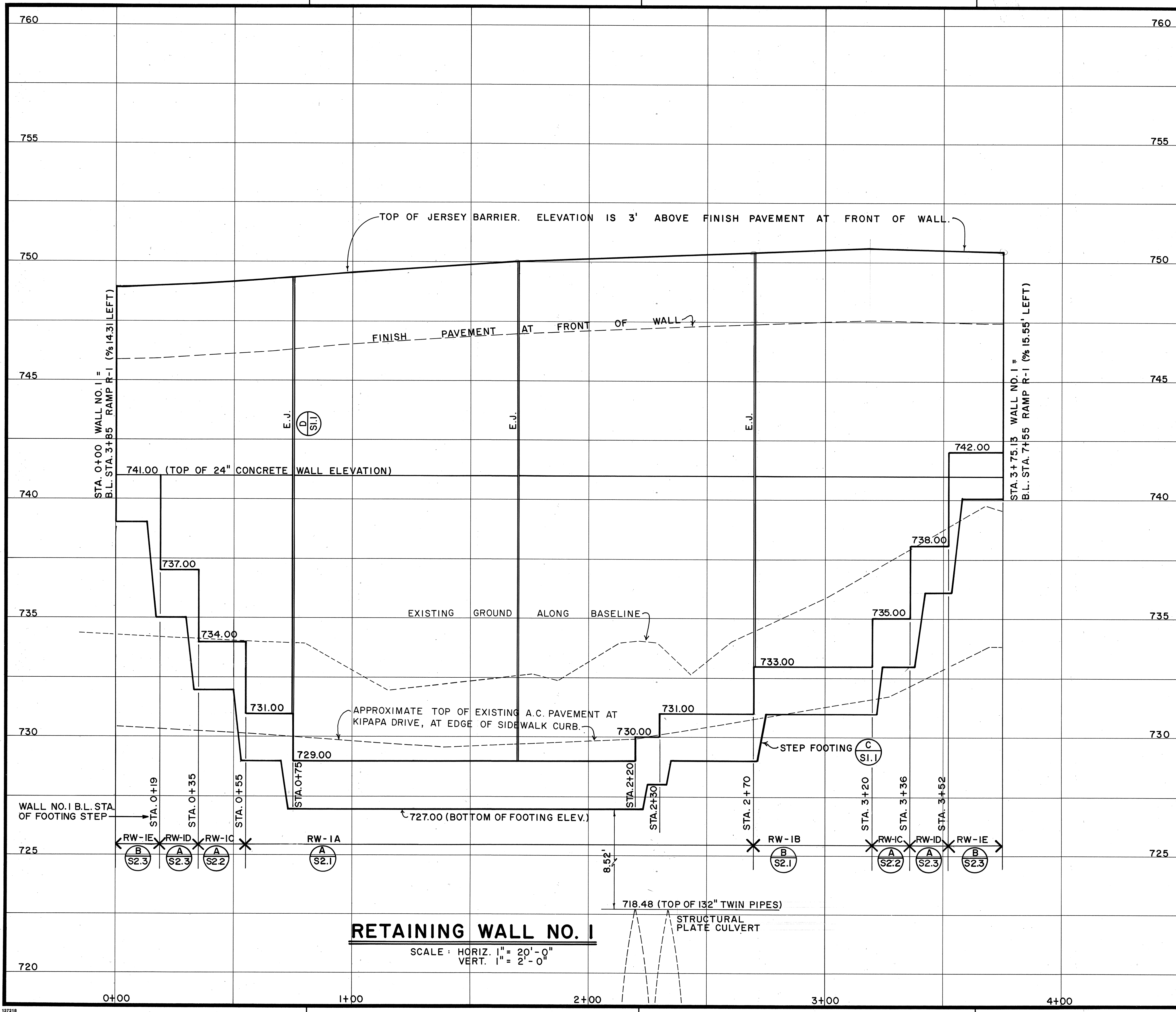


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADE WALL ALIGNMENT
INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND OFF-RAMPS
 F.A.I. Proj. No. IM-H2-1 (29)
 SCALE: 1" = 20' DATE: MAR. 1997
 SHEET NO. R2 OF 10 SHEETS

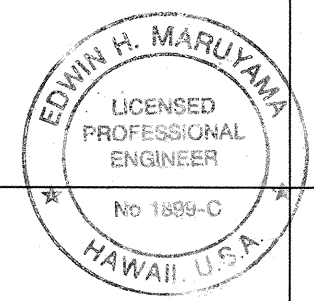
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HAWAII	HAW.	IM-H2-1 (29)	1997	92	129



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

RETAINING WALL NO. 1

SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 2'-0"

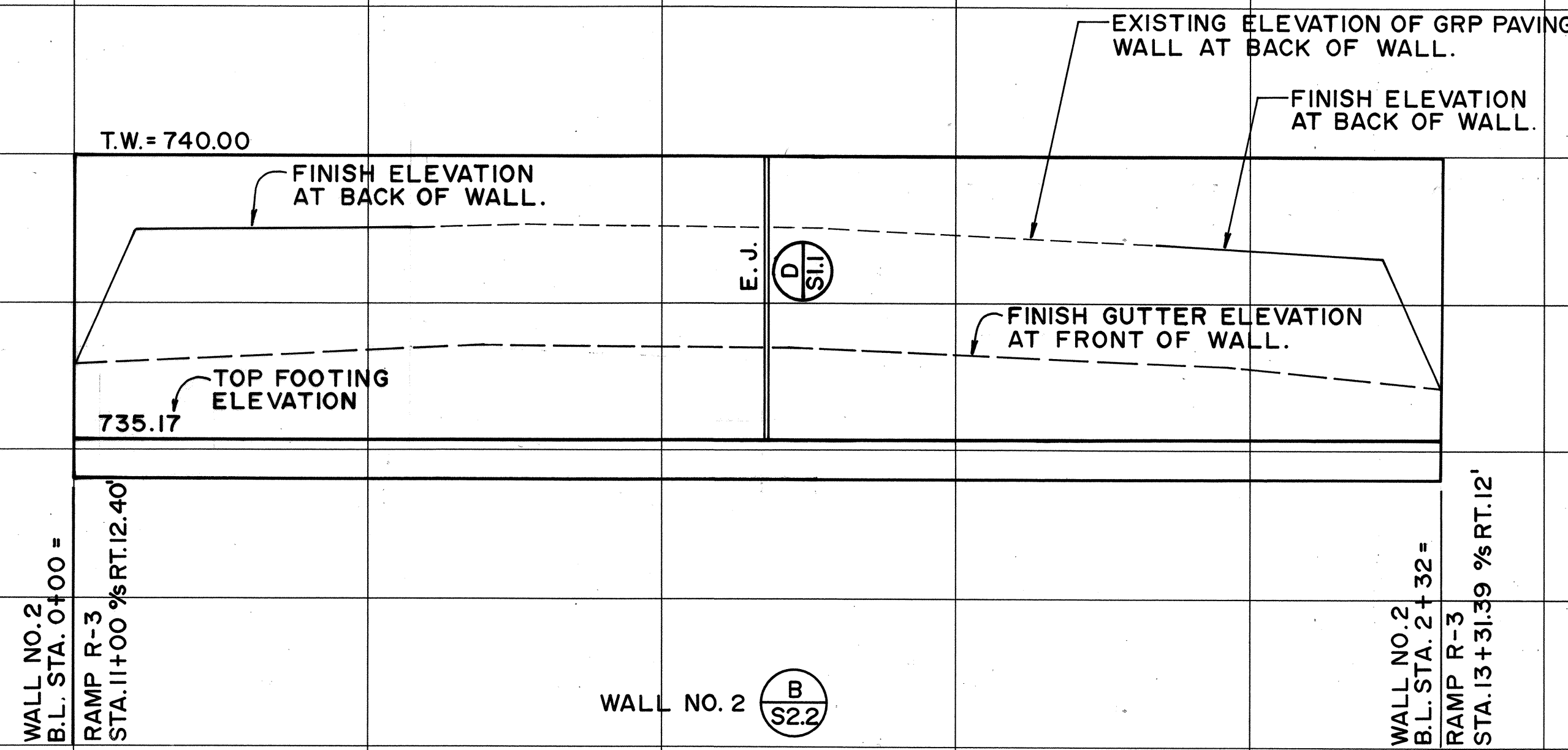


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

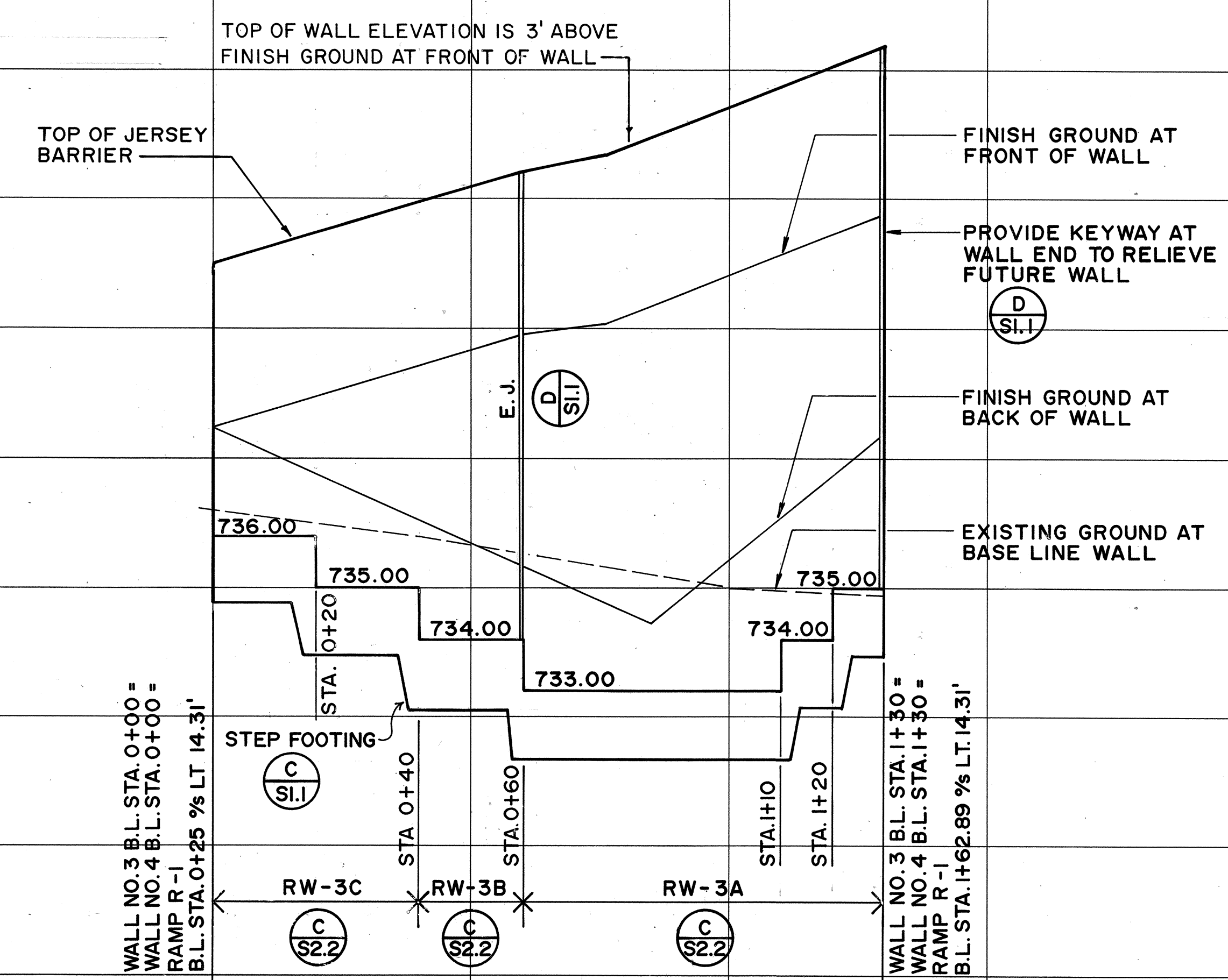
PROFILE
WALL NO. 1
INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)
HORIZ. 1" = 20'
SCALE: VERT. 1" = 2'
DATE: MAR. 1997
SHEET NO. R3 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	93	129



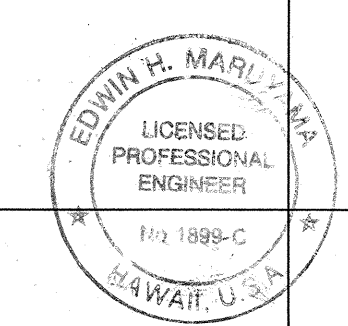
PROFILE - WALL NO. 2

SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 2'-0"



PROFILE - WALL NO. 3

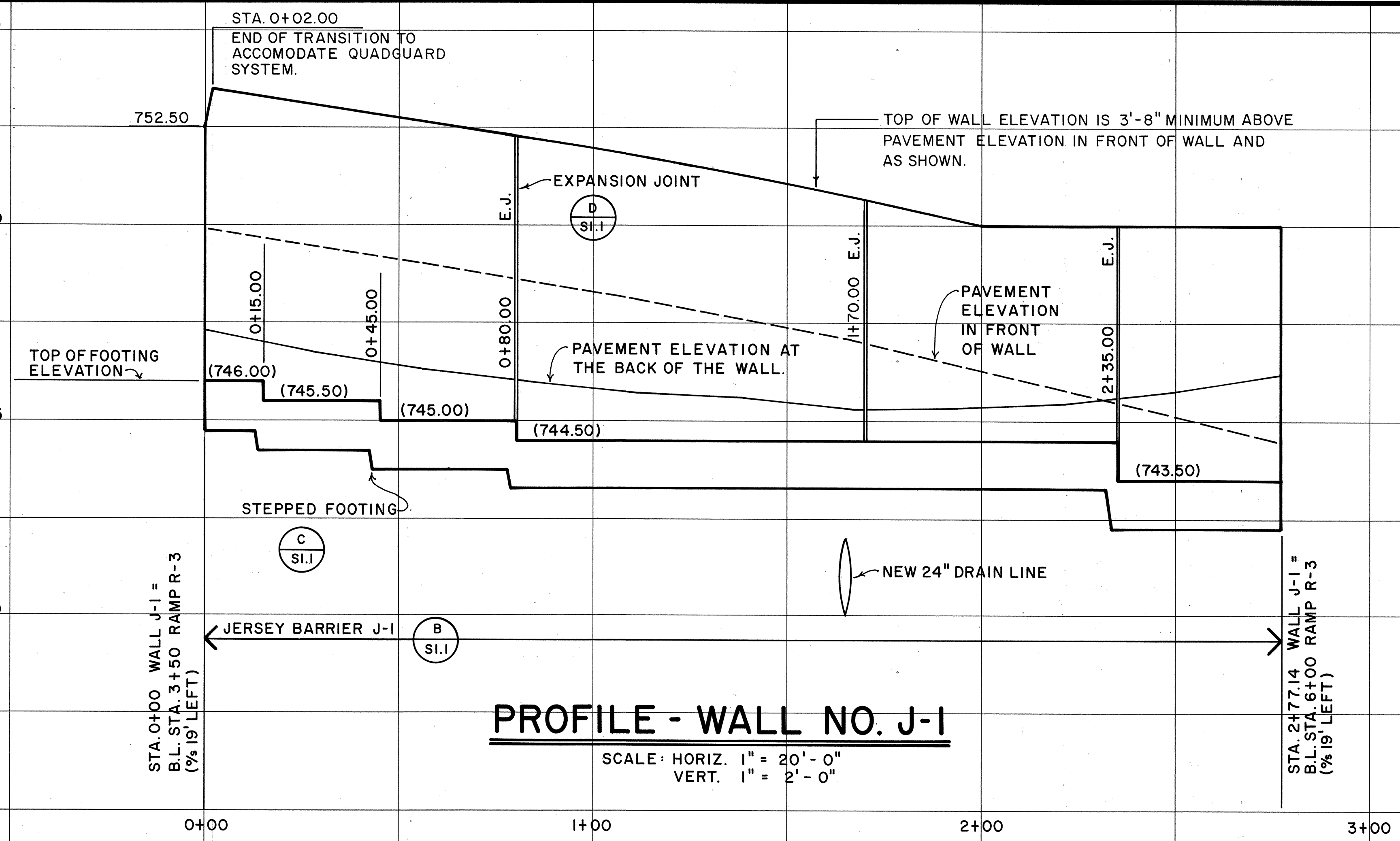
SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 2'-0"



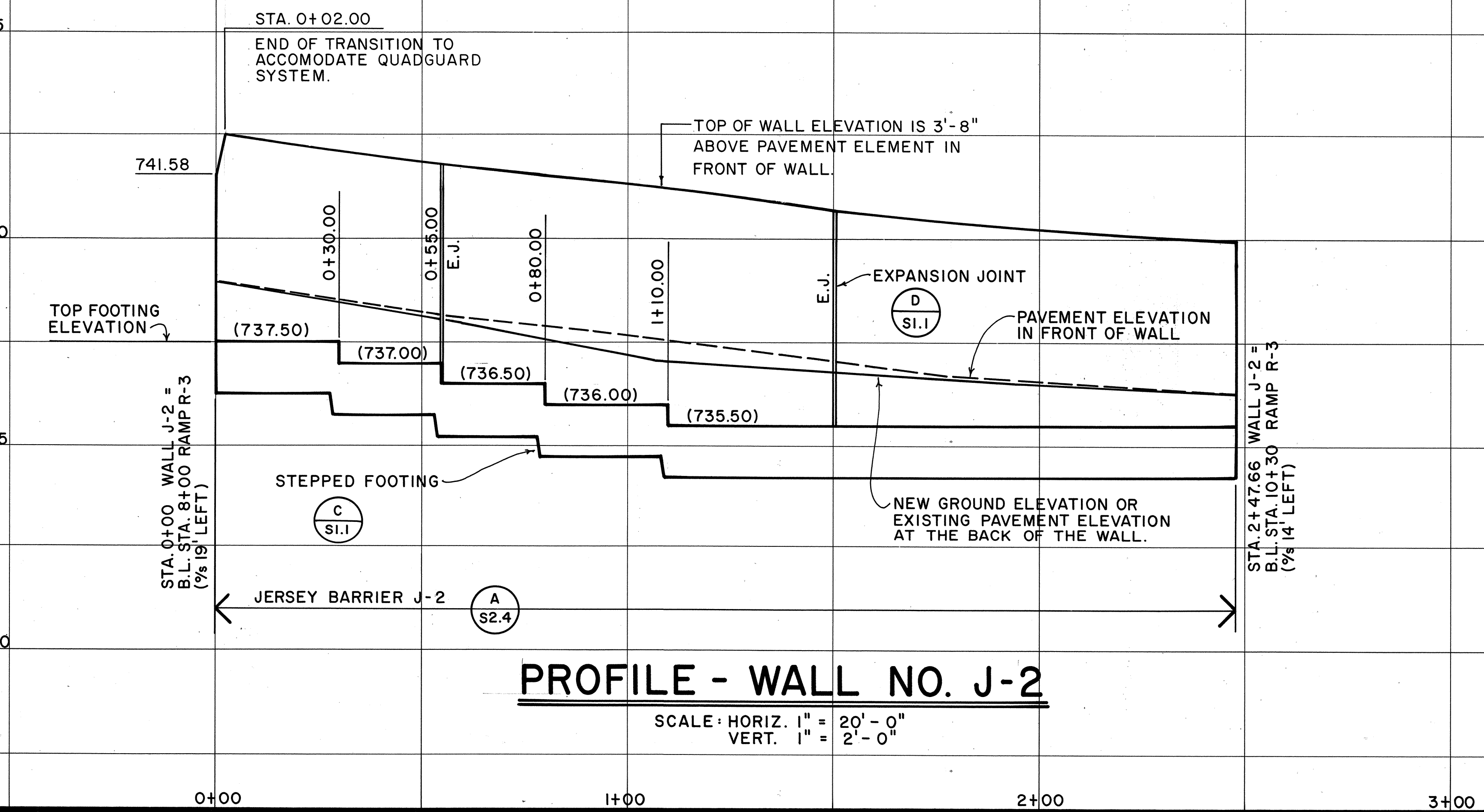
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FUTURA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PROFILES
WALL NOS. 2 and 3
INTERSTATE ROUTE H-2
MILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)
HORIZ. 1" = 20'
SCALE: VERT. 1" = 2'
DATE: MAR. 1997
SHEET NO. R4 OF 10 SHEETS

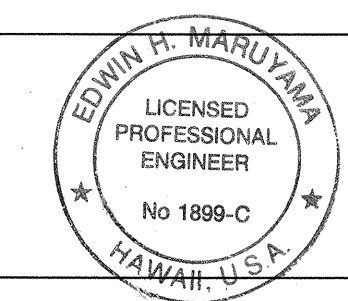
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	94	129



PROFILE - WALL NO. J-1



PROFILE - WALL NO. J-2



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By: *Edwin H. Maruyama*
HUIA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PROFILES

WALLS NO. J-1 AND J-2

INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)

HORIZ. 1" = 20'
SCALE: VERT. 1" = 2'

DATE: MAR. 1997

SHEET NO. R5 OF 10 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE STARTING ANY WORK SO INVOLVED.
- DETAILS SHOWN ON THE GENERAL NOTES AND TYPICAL DETAIL SHEETS APPLY TO THE PROJECT IN GENERAL. UNLESS SPECIFICALLY DETAILED ELSEWHERE, CONTRACTOR SHALL USE THESE DETAILS IN THE CONSTRUCTION OF THIS PROJECT.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE DESIGN AND PROVISION OF ALL TEMPORARY BRACING, SHORING, GUYS, ETC.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING, LAGGING, AND PROTECTION OF ADJACENT PROPERTIES AND UTILITIES. EXISTING CONDITIONS OR AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- "STANDARD SPECIFICATIONS" NOTED IN THESE DRAWINGS REFER TO THE "HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1985" AS AMENDED BY ALL INTERIM SPECIFICATIONS.

STRUCTURAL DESIGN LOADS:

- SEISMIC LOADS: ACCELERATION COEFFICIENT 0.16
SEISMIC DESIGN SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES", CURRENT EDITION AND ALL APPLICABLE INTERIM SPECIFICATIONS AND HAWAII STATE DEPARTMENT OF TRANSPORTATION AMENDMENTS.
- WIND LOADS: WIND LOADS SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", LATEST EDITION, AS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS. ALL INTERIM SPECIFICATIONS AND HAWAII DEPARTMENT OF TRANSPORTATION AMENDMENTS SHALL APPLY.
MINIMUM WIND SPEED 100 MPH
- TRAFFIC INDUCED LOADS: ALL TRAFFIC LOADS SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", LATEST EDITION, AS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS. ALL INTERIM SPECIFICATIONS AND HAWAII STATE DEPARTMENT OF TRANSPORTATION AMENDMENTS SHALL APPLY.

CONCRETE:

- ALL CONCRETE WORK SHALL CONFORM TO THE HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1985 AS AMENDED BY ALL INTERIM SPECIFICATIONS AND AASHTO. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1992 EDITION AND ALL SUBSEQUENT INTERIM SPECIFICATIONS.
- PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
- LOCATION OF ALL POURED JOINTS SHALL BE APPROVED BY THE ENGINEER. ALL COLD JOINTS SHALL BE KEYED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO THE POURING OF ANY STRUCTURAL CONCRETE SO AN INSPECTION CAN BE MADE PRIOR TO POURING. NO POUR SHALL PROCEED WITHOUT THE CONSENT OF THE ENGINEER.
- 28 DAY COMPRESSIVE STRENGTH, AGGREGATE SIZE AND SLUMP SHALL BE AS FOLLOWS:

	STRENGTH	MAXIMUM	SLUMP
	PSI	AGGREGATE	4'-1"
FOOTINGS	3000	1-1/2"	3-1/2"
WALLS	3000	3/4"	3-1/2"

REINFORCING STEEL:

- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615-S1, GRADE 60.
- WELDING TO REINFORCING BARS SHALL BE PROHIBITED EXCEPT BY SPECIFIC AUTHORIZATION OF THE ENGINEER.
- REINFORCING SHALL BE SPICED ONLY AS SHOWN ON DRAWINGS. ALL OTHER SPICES SHALL BE APPROVED BY THE ENGINEER.
- BARS NOTED "CONT." SHALL BE SPICED A MINIMUM OF 32 BAR DIAMETERS, BUT NEVER LESS THAN 2'-0".
- PROVIDE DOUELS IN FOOTINGS AS NOTED IN DRAWINGS BUT NEVER LESS THAN THE SAME SIZE AND SPACING AS WALL BARS. UNLESS NOTED OTHERWISE, PROVIDE A MINIMUM LAP AS INDICATED IN DRAWINGS BUT NEVER LESS THAN 32 BAR DIAMETERS NOR 2'-0".
- MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE:
CONCRETE CAST AGAINST EARTH 3"
EXPOSED TO EARTH OR WEATHER 2"
STIRRUP AND TIES 1-1/2"

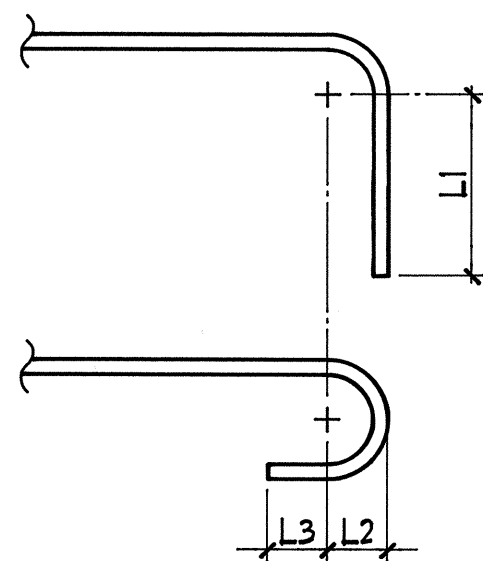
FOUNDATION NOTES:

- FOUNDATION IS DESIGNED BASED ON SOIL REPORT TITLED, "REVISED SUBSURFACE INVESTIGATION REPORT - SOUTHBOUND ON/OFF RAMP - INTERSTATE H-2 - MILILANI INTERCHANGE - MILILANI MAUKA DEVELOPMENT - MILILANI TOWN, HAWAII", AS PREPARED BY FEWELL GEOTECHNICAL ENGINEERING LTD., AND DATED JULY 20, 1994. CONTRACTOR SHALL REFER TO THIS REPORT IN PREPARING SUBGRADE AND FOUNDATION. SOIL REPORT SHALL BE USED AS A GUIDE IN PREPARING THE FOUNDATIONS AND SUBGRADE. THE SOIL REPORT CONTAINS DETAILED INFORMATION ABOUT THE PROJECT SITE. THIS REPORT, HOWEVER SHALL NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL AT ALL TIMES ADHERE TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- ALL TRENCHING, FILL AND BACKFILL OPERATIONS SHALL BE MONITORED BY THE ABOVE-NAMED SOIL ENGINEER. COST OF SOIL ENGINEER'S SERVICES SHALL BE BORNE BY CASTLE & COOKE HOMES HAWAII, INC. CONTRACTOR SHALL MAKE APPROPRIATE ARRANGEMENTS FOR INSPECTIONS AS REQUIRED.

- FOOTING THICKNESSES ARE MINIMUM THICKNESSES ONLY AND MAY BE INCREASED DUE TO SPECIFIC CONDITIONS.
- CLEAN AND MOISTEN FOOTING TRENCHES PRIOR TO POURING FOOTING.
- FILL PLACEMENT:
SEE SOIL REPORT FOR DETAILED FILL MATERIAL AND PLACEMENT REQUIREMENTS.
- DO NOT PLACE CONDUITS AND UTILITY LINES IN FOOTING TRENCHES.
- SPECIAL CONSIDERATION - COMPRESSIBLE SOILS:
THE SITE AT THE PROPOSED RETAINING WALL LOCATION CONSISTS OF COMPRESSIBLE SOILS. IT IS ANTICIPATED THAT THE GROUND WILL SETTLE AS A RESULT OF THE FILL THAT WILL BE PLACED AT THIS LOCATION.
TO MITIGATE THE SETTLEMENT PROBLEM, THE AREA TO RECEIVE THE RETAINING WALL WILL HAVE TO BE SURCHARGED TO ALLOW THE MAJORITY OF SETTLEMENTS TO OCCUR PRIOR TO CONSTRUCTING WALL. SEE SOIL REPORT FOR DETAILED SURCHARGE REQUIREMENTS.
A TEMPORARY WALL OR BARRIER MAY HAVE TO BE CONSTRUCTED IN THE AREA WHERE THE PROPOSED WALL COMES CLOSE TO KIPAPA DRIVE, IN ORDER TO ACCOMPLISH SURCHARGE. THE DESIGN, CONSTRUCTION AND REMOVAL OF THIS BARRIER SHALL BE INCLUDED IN THE SCOPE OF WORK OF THE CONTRACTOR. THE TEMPORARY BARRIER DESIGN AND DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. SETTLEMENT MARKERS SHALL BE INSTALLED AND MONITORED BY THE SOIL ENGINEER TO RECORD PROGRESS OF SETTLEMENT.

RETAINING WALL NOTES:

- BACKFILL BEHIND RETAINING WALL SHALL BE STRUCTURAL BACKFILL CONFORMING TO SECTION 10320 OF THE STANDARD SPECIFICATION.
- FILL BEHIND RETAINING WALLS SHALL BE COMPACTED IN 6" LOOSE LIFTS TO 90% RELATIVE COMPACTION PER ASTM D1557. COMPACTION SHALL BE DONE BY A HAND OPERATED COMPACTOR. DO NOT OVER COMPACT FILL BEHIND RETAINING WALL. THE TOP THREE FEET OF FILL BENEATH PAVEMENTS AND WITHIN 3'-0" OF THE PAVED AREAS SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- AT ALL RETAINING WALLS PROVIDE 4" DIAMETER WEEPS AT 6'-0" O.C. PROVIDE A 12 INCH WIDE, CONTINUOUS DRAINAGE BLANKET AT WEEPS CONSISTING OF 3/8 FINE, WRAPPED IN NON-WOVEN FILTER FABRIC (SECTION 116 STANDARD SPECIFICATIONS).
- ALL GRADE DISCREPANCIES AND DISCREPANCIES IN THE HEIGHT OF THE RETAINING WALLS SHALL BE REPORTED TO THE ENGINEER.
- DO NOT SLOPE BOTTOM OF FOOTING.
- BOTTOM OF ALL FOOTING EXCAVATIONS SHALL BE SCARIFIED AND COMPACTED TO 95% RELATIVE COMPACTION. ALL SOFT SPOTS ENCOUNTERED SHALL BE REMOVED AND PROPERLY BACKFILLED.
- WALL DESIGN PARAMETERS:
MINIMUM EMBEDMENT 2'-0"
MINIMUM SETBACK FROM SLOPE FACE 1'-0"
ALLOWABLE SOIL BEARING 4000 PSF
SOIL FRICTION FACTOR 0.40 x DEAD LOADS
SOIL ADHESION 200 PSF
ACTIVE PRESSURE 45 PCF
PASSIVE RESISTANCE 275 PCF
DISREGARD FOR WALL WITHIN 1'-0" OF TOP OF SLOPE
DISREGARD TOP 12 INCHES OF EMBEDMENT
TRAFFIC SURCHARGE 2'-0"

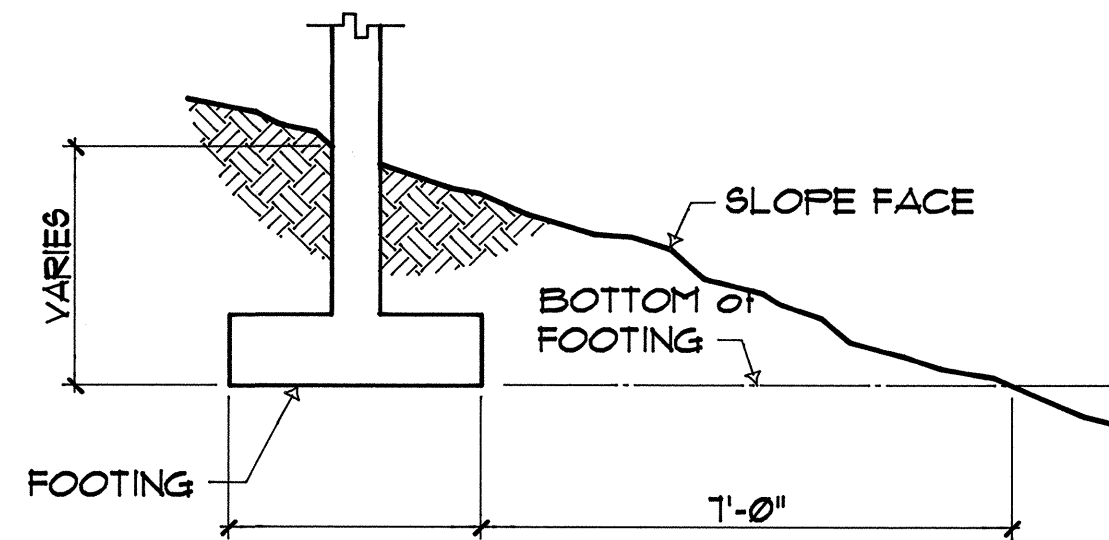


NOTES:

- UNLESS NOTED OTHERWISE, AT ALL LOCATIONS INDICATED ON PLANS AND SCHEDULES, PROVIDE THE FOLLOWING STANDARD HOOK BENDS AT BAR ENDS.

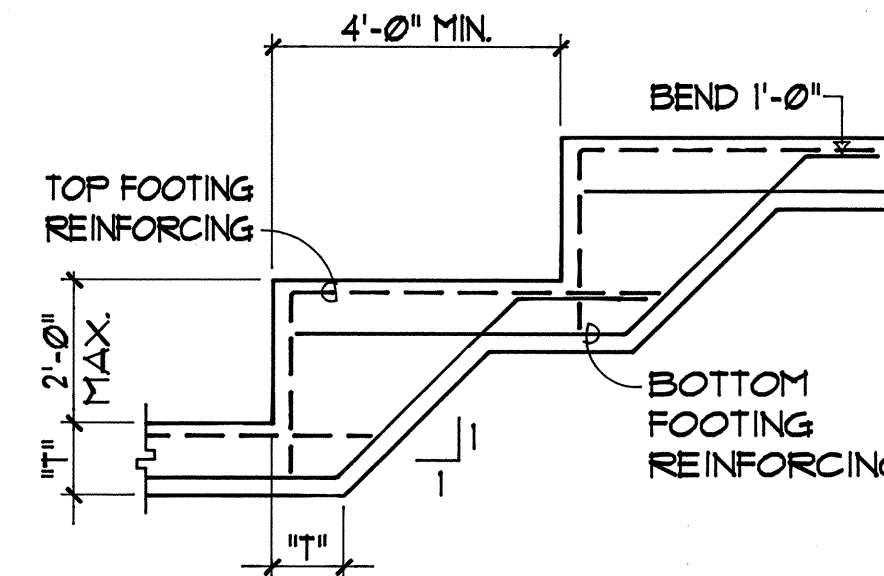
HOOK SCHEDULE

BAR SIZE	L1 INCHES	L2 INCHES	L3 INCHES
#3	4 1/2	1 1/2	2 1/2
#4	6	2	2 1/2
#5	7 1/2	2 1/2	2 1/2
#6	9	3	3
#7	10 1/2	3 1/2	3 1/2
#8	12	4	4
#9	13 1/2	5 5/8	4 1/2
#10	15	6 1/4	5
#11	16 1/2	6 7/8	5 1/2



FOOTING SETBACK at SLOPE

NOT TO SCALE

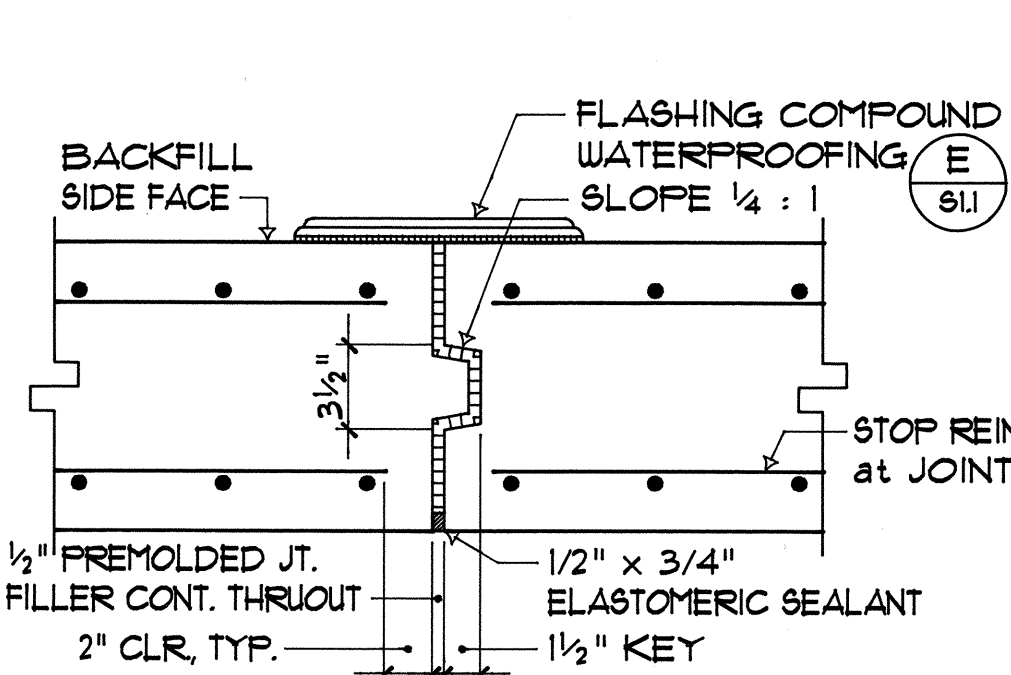


STEPPED FOOTING

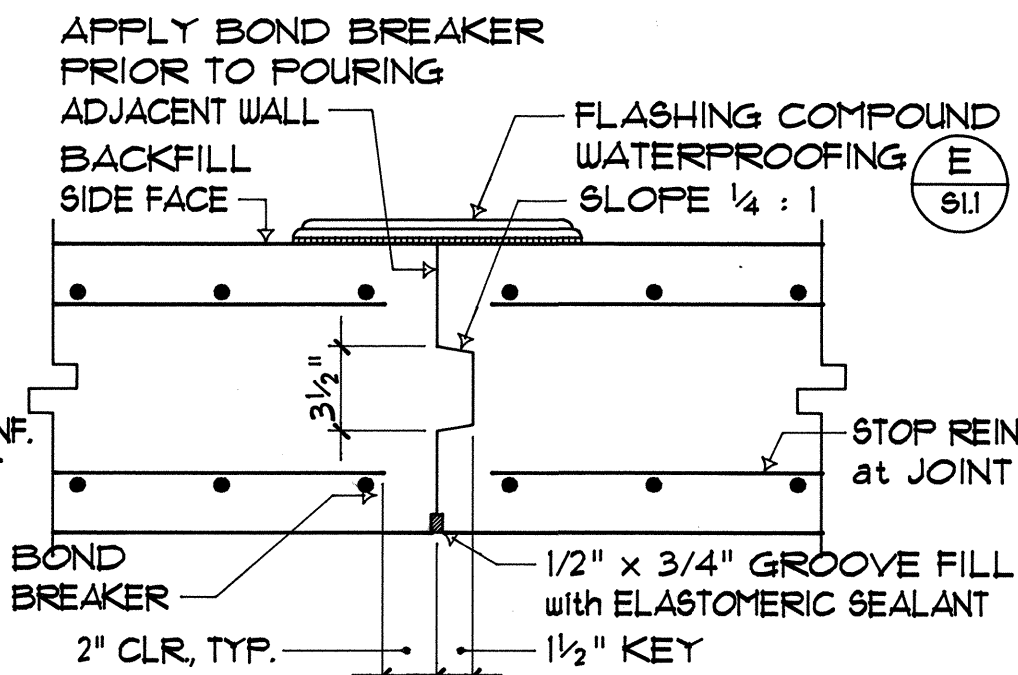
NOT TO SCALE

STANDARD HOOK DETAIL

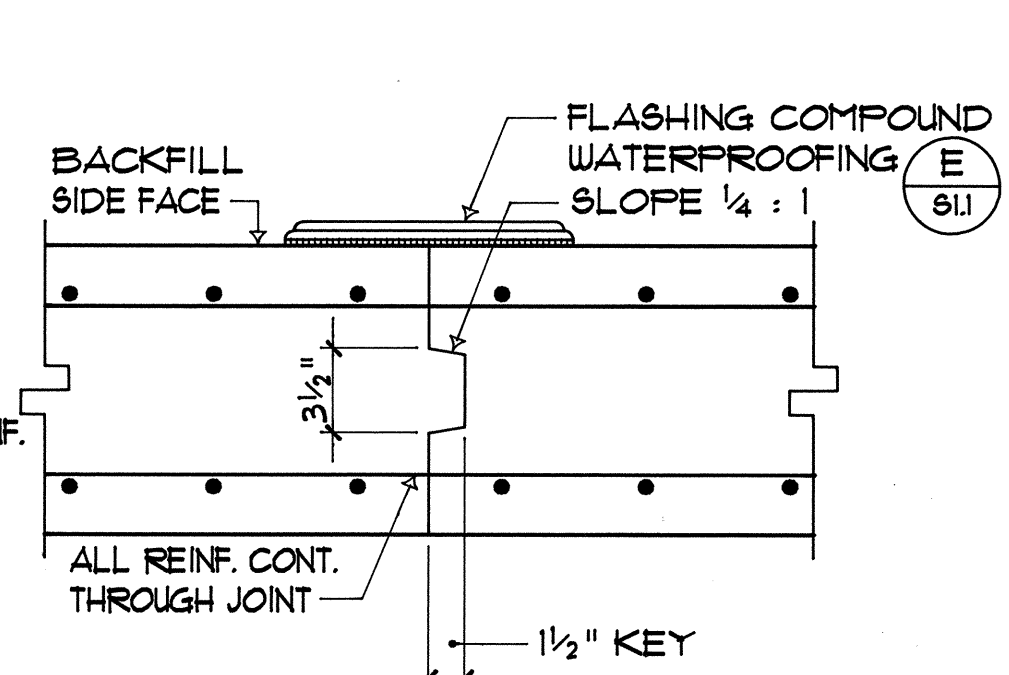
NOT TO SCALE



EXPANSION JOINT (E.J.)



CONTRACTION JOINT



CONSTRUCTION JOINT

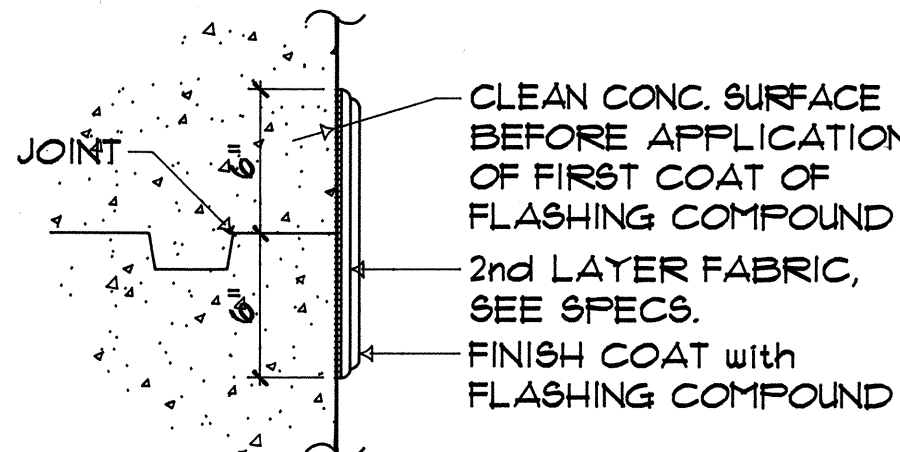
NOTES:

- AT CONSTRUCTION JOINT LOCATIONS. CLEAN JOINT PRIOR TO POURING ADJACENT SECTION. BE SURE JOINT SURFACE IS CLEAN AND FREE OF BOND REDUCING CONTAMINANTS.
- PRIOR TO APPLYING ELASTOMERIC JOINT SEALANT, BLOW OUT JOINT WITH COMPRESSED AIR. ENSURE THAT JOINT IS CLEAN AND FREE OF BOND REDUCING CONTAMINANTS.
- SEE WALL PROFILES FOR JOINT LOCATIONS.

JOINT DETAILS

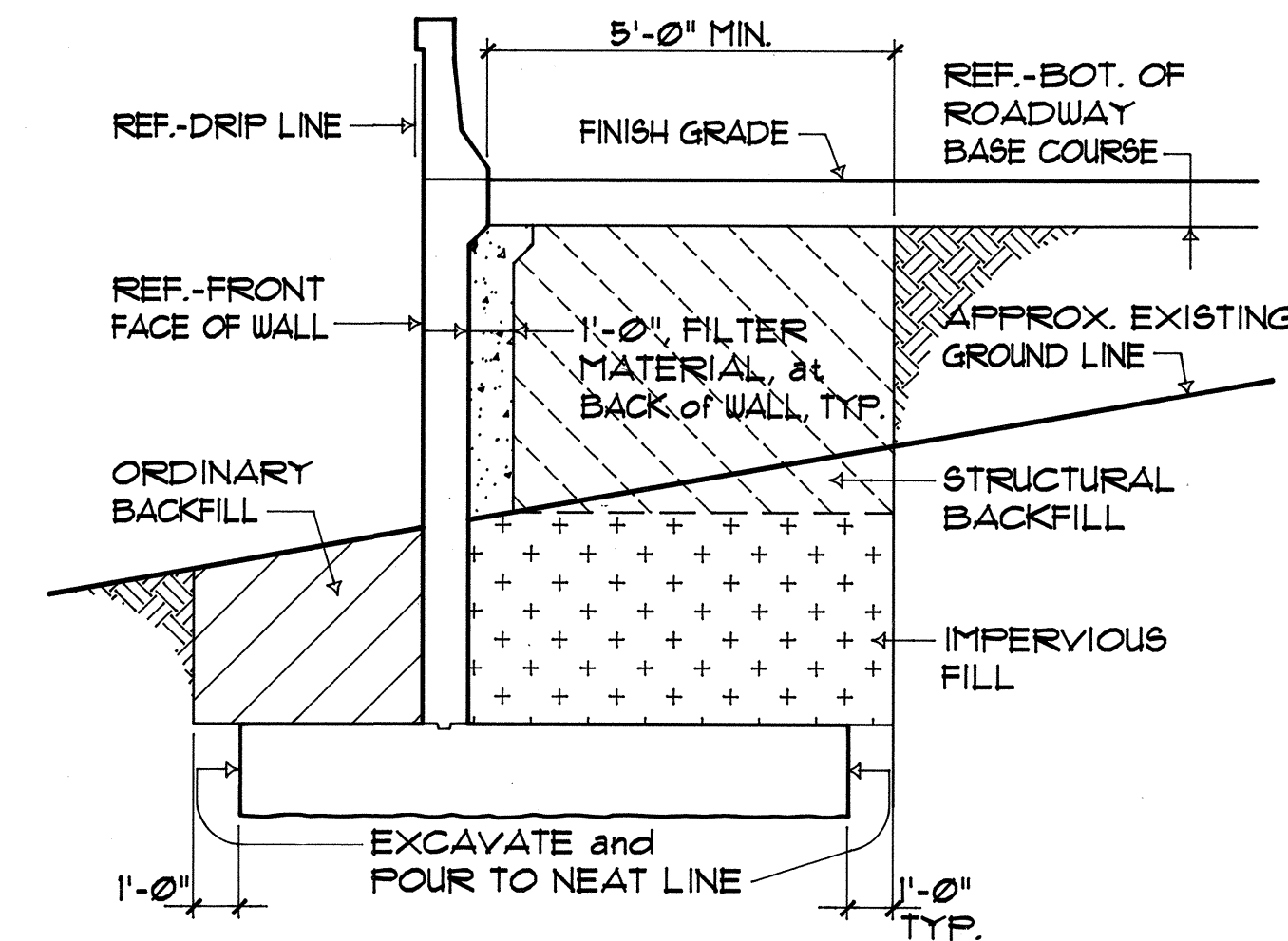
NOT TO SCALE

FLASHING COMPOUND FOR CONSTRUCTION JOINT WATERPROOFING SHALL CONFORM TO THE REQUIREMENT OF ASTM SPECIFICATIONS D 4586 AS A FLYING CEMENT IN THE CONSTRUCTION OF MEMBRANE WATERPROOFING SYSTEMS WITH FABRICS CONFORMING TO ASTM SPECIFICATION D 1668 (ASPHALT TYPES). THE PRODUCT SHALL ADHERE TO DAMP CONCRETE AND MASONRY SURFACES.



TYP. FLASHING COMPOUND WATERPROOFING DET.

SC: N.T.S.



EXCAVATION and BACKFILL PAY LIMITS

NOT TO SCALE

ALTERNATE NO. 2 - WALL NO. 1 REINFORCED CONCRETE WALL

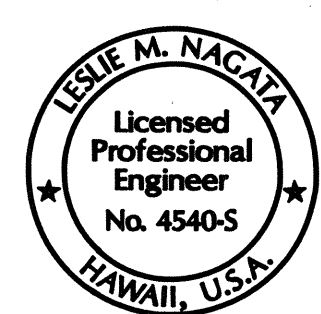
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES and TYP. DETAILS WALL NOS. 1, 2 and 3

INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMP
F.A.I. Proj. No. IM-H2-1 (29)

SCALE: AS NOTED DATE: MAR. 1997

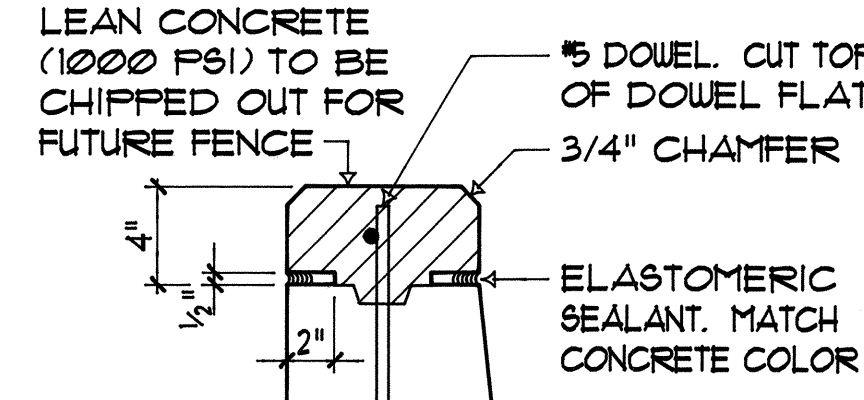
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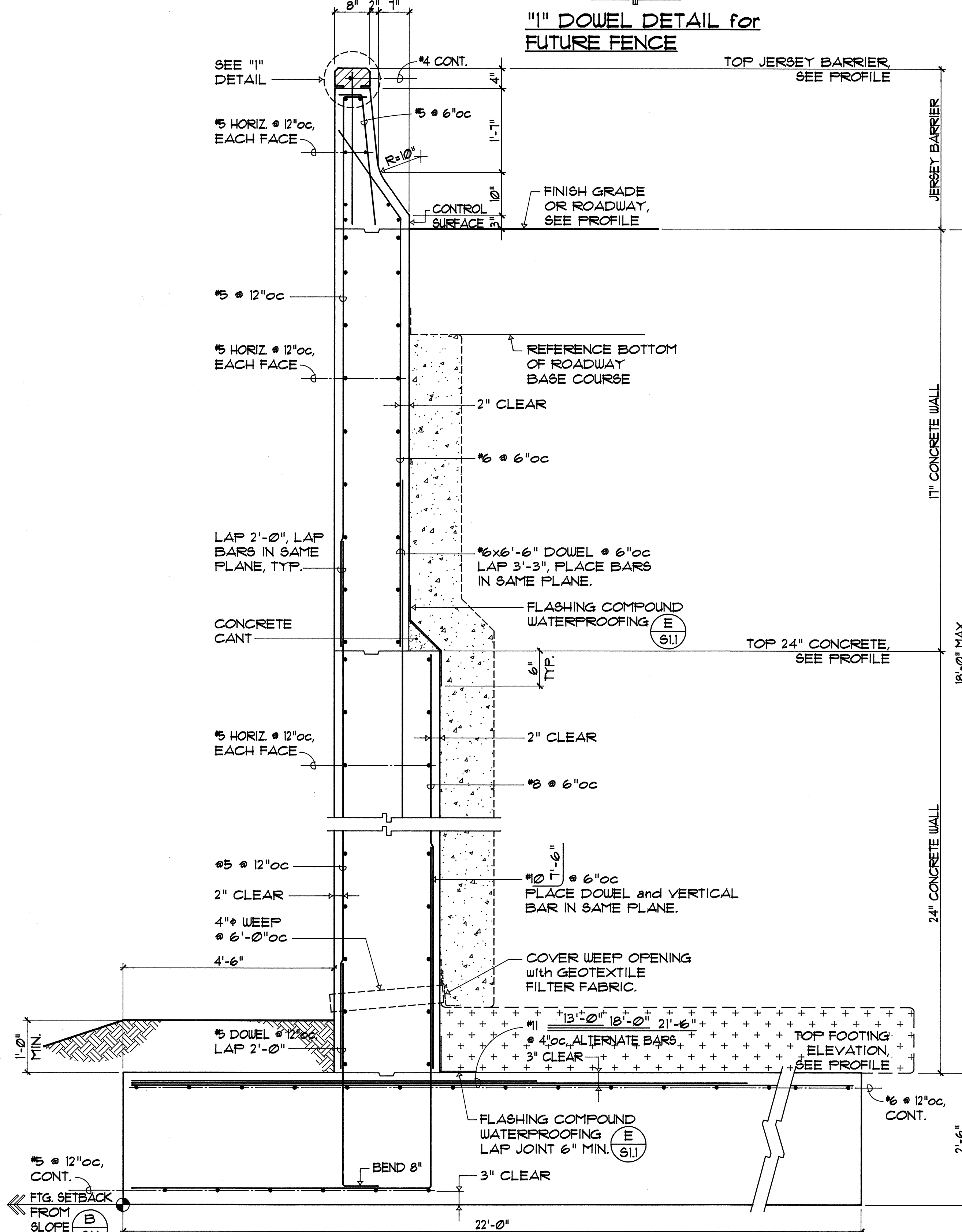
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"AS-BUILT" 95

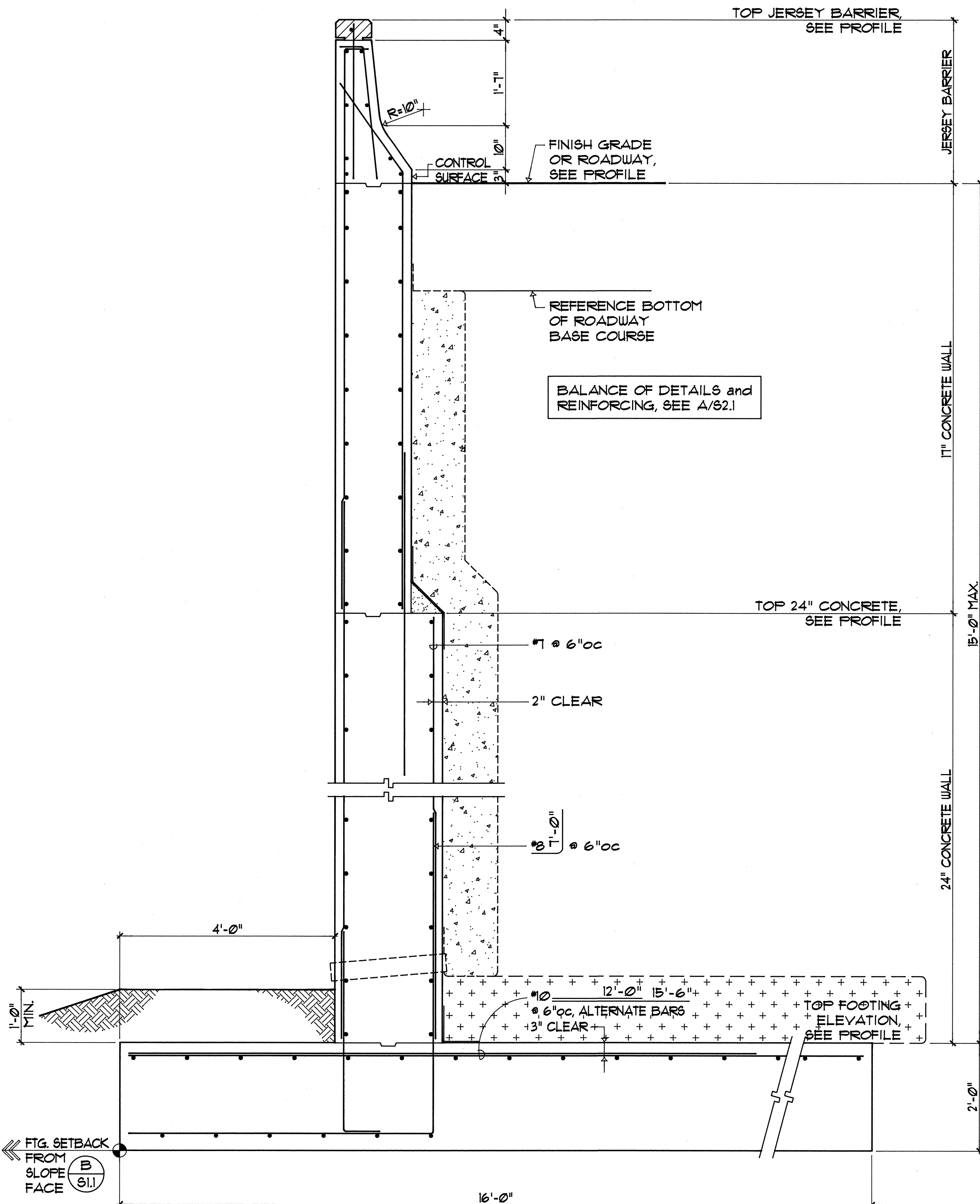
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	96	129



1" DOWEL DETAIL for FUTURE FENCE



A RETAINING WALL RW-1A
 SC: 3/4" = 1'-0"



B RETAINING WALL RW-1B
 SC: 3/4" = 1'-0"

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ALTERNATE NO. 2 - WALL NO. 1 REINFORCED CONCRETE WALL

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

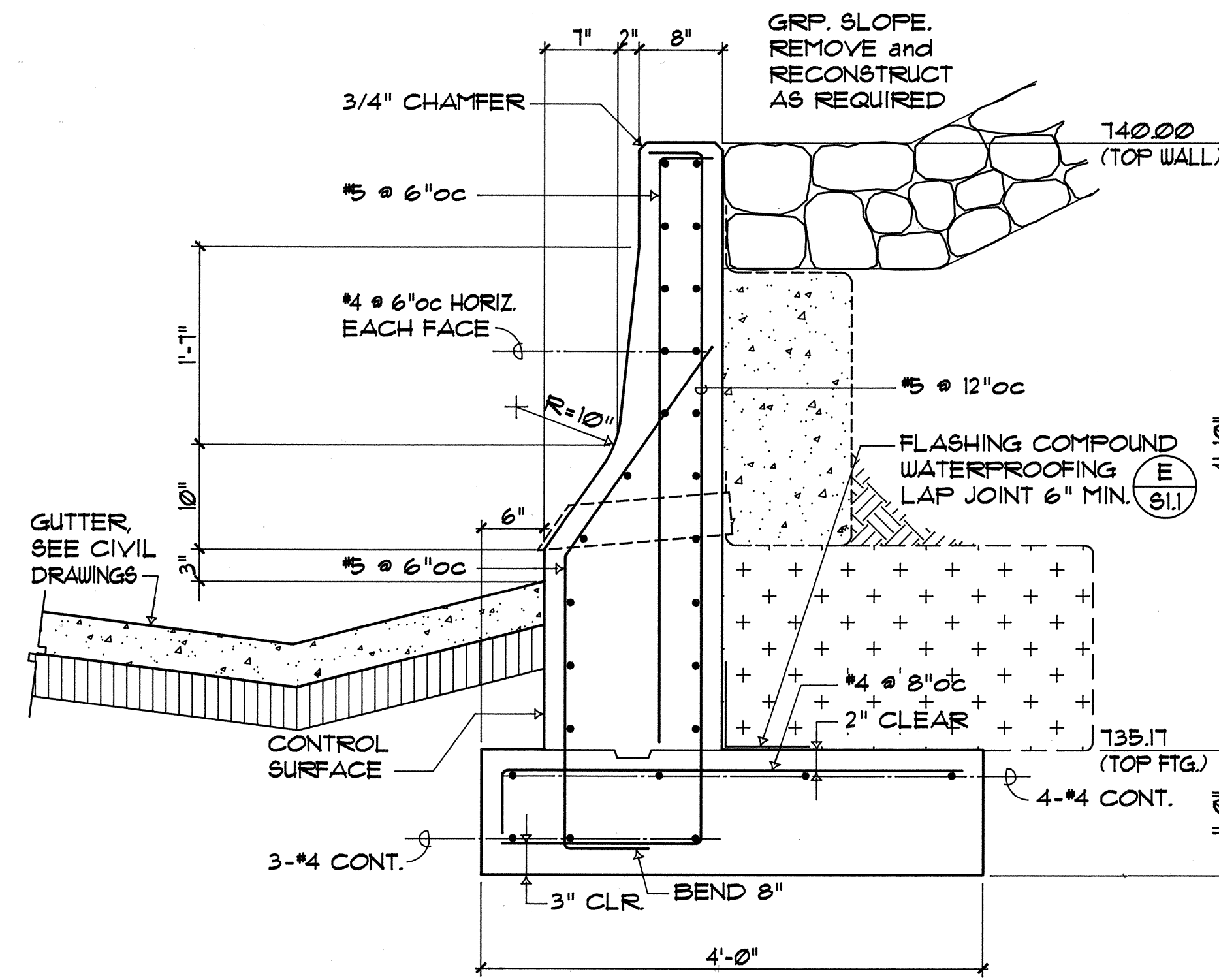
WALL DETAILS
WALL NOS. 1, 2 and 3

INTERSTATE ROUTE H-2
 MILLANI INTERCHANGE
 SOUTHBOUND ON-AND-OFF-RAMPS
 F.A.I. Proj. No. IM-H2-1 (29)

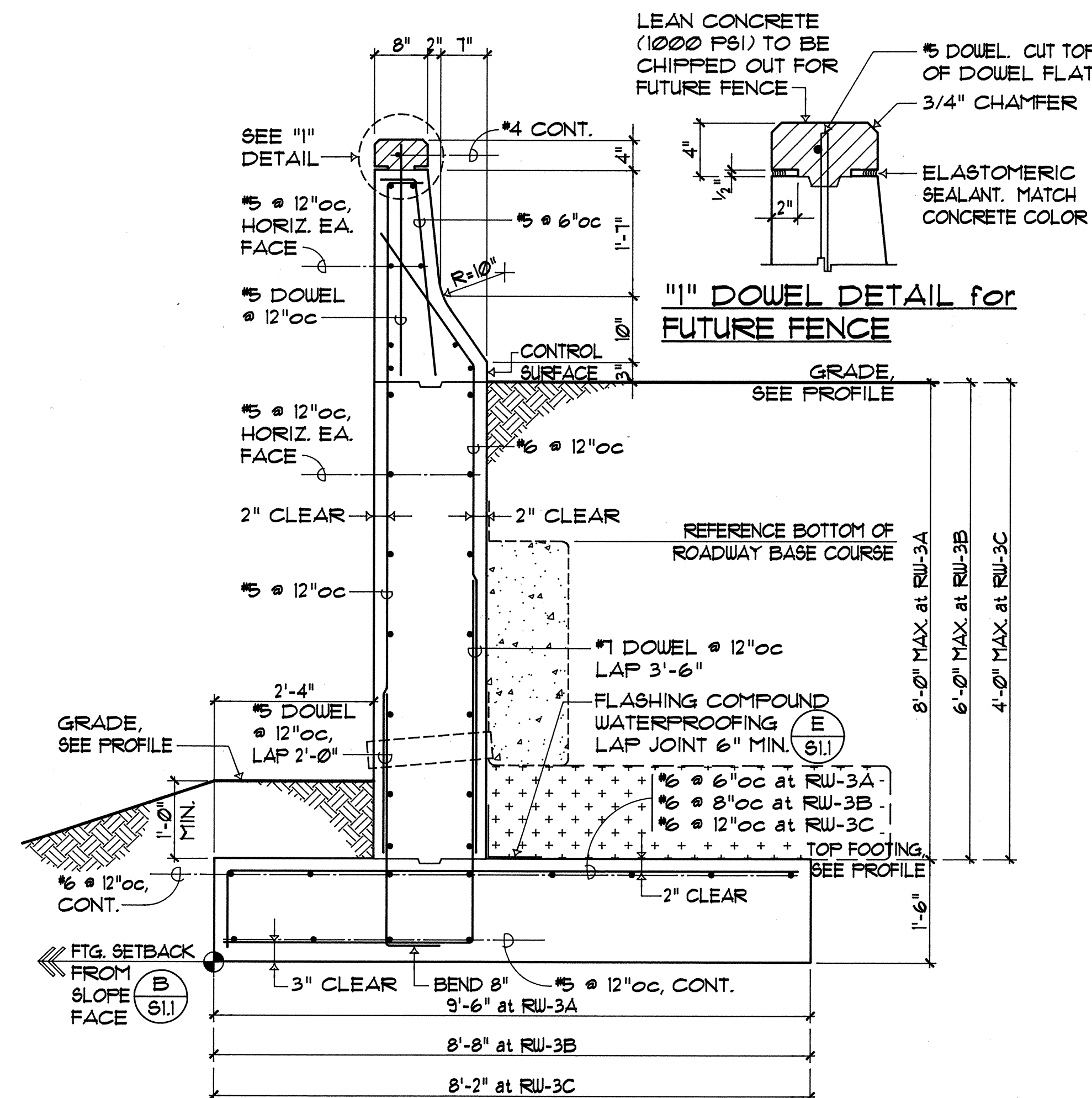
SCALE: AS NOTED DATE: MAR. 1997
 SHEET No. R7 OF 10 SHEETS

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

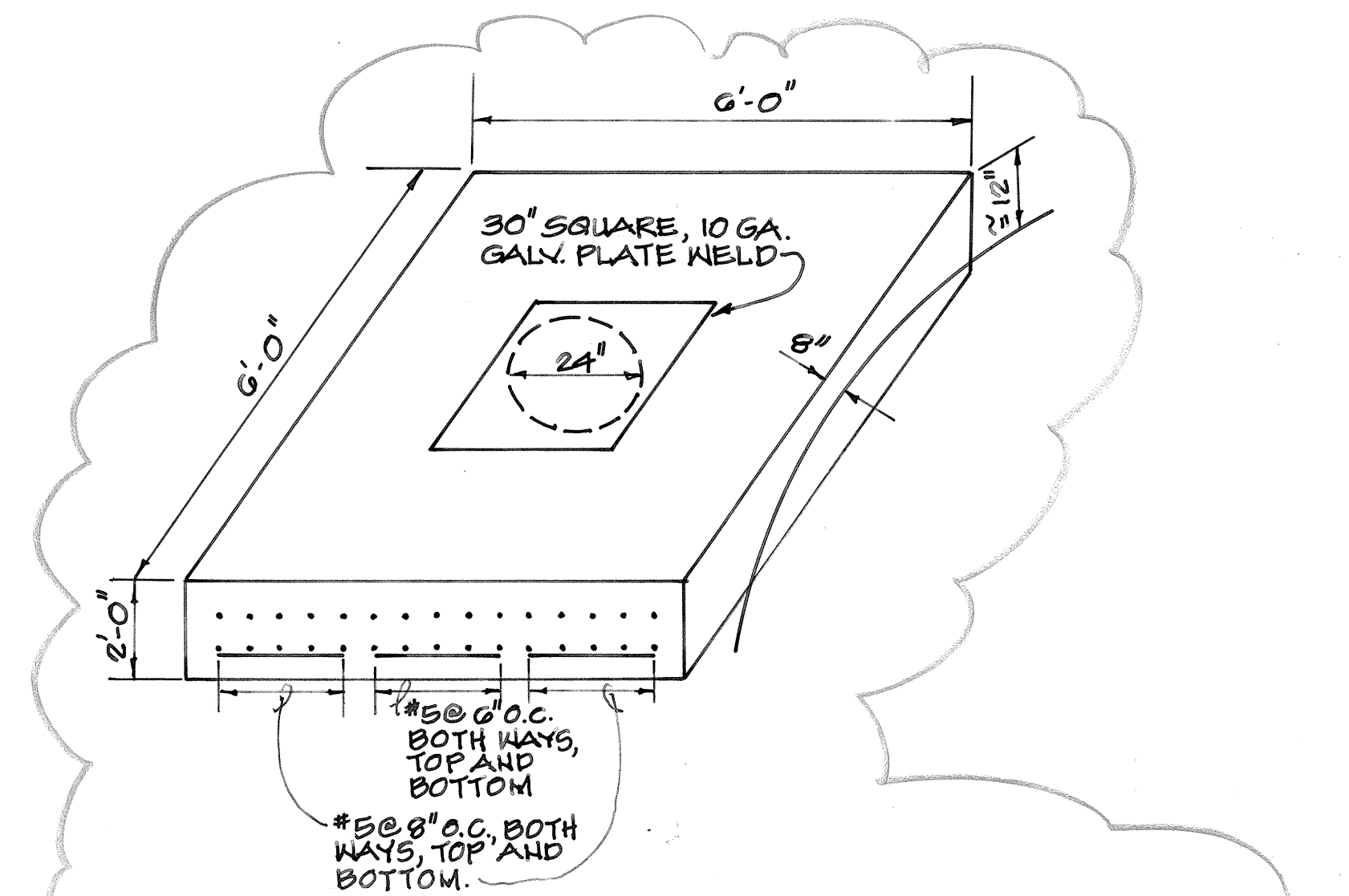
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	97	129



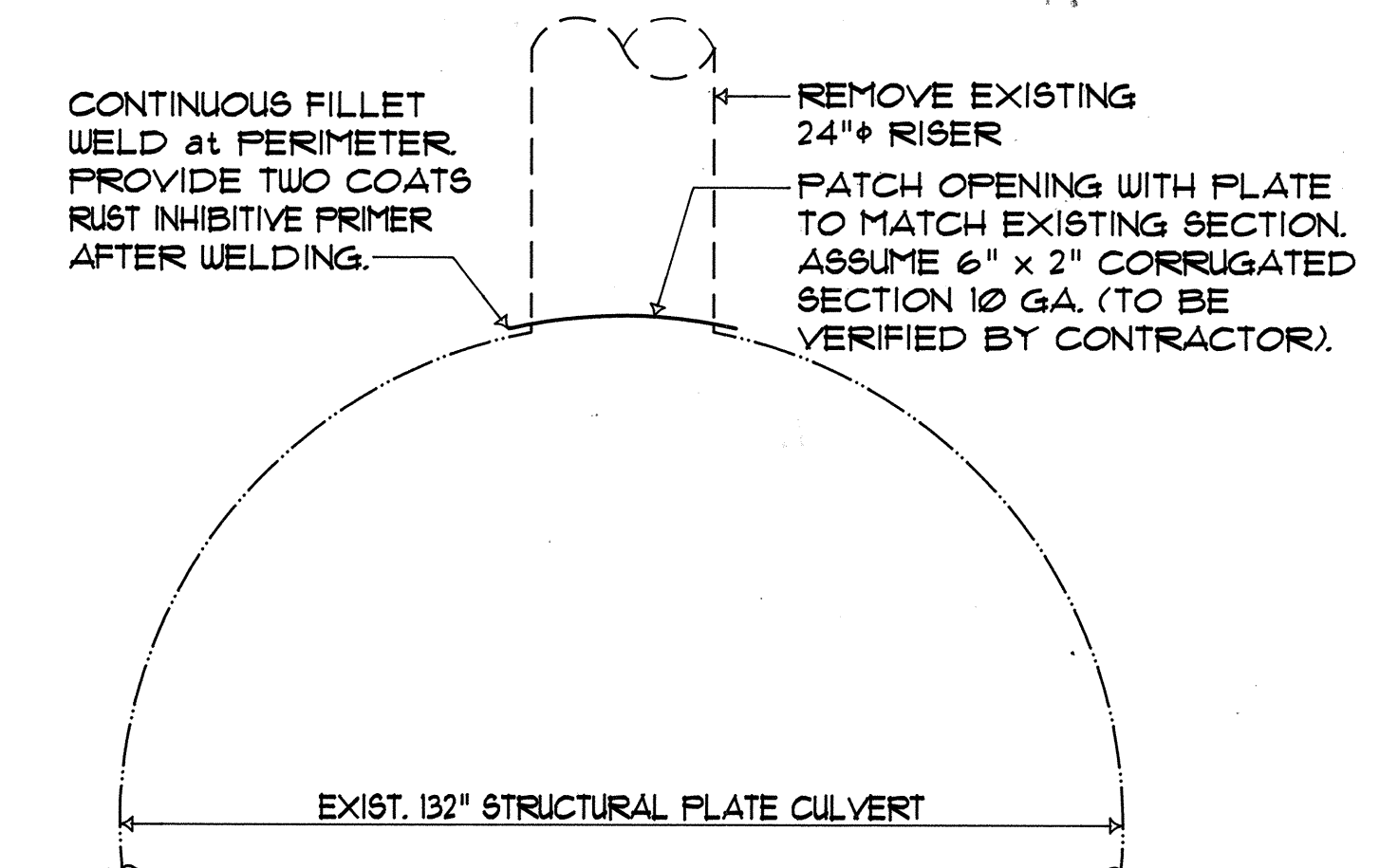
B WALL No. 2
S22 SC: 1" = 1'-0"



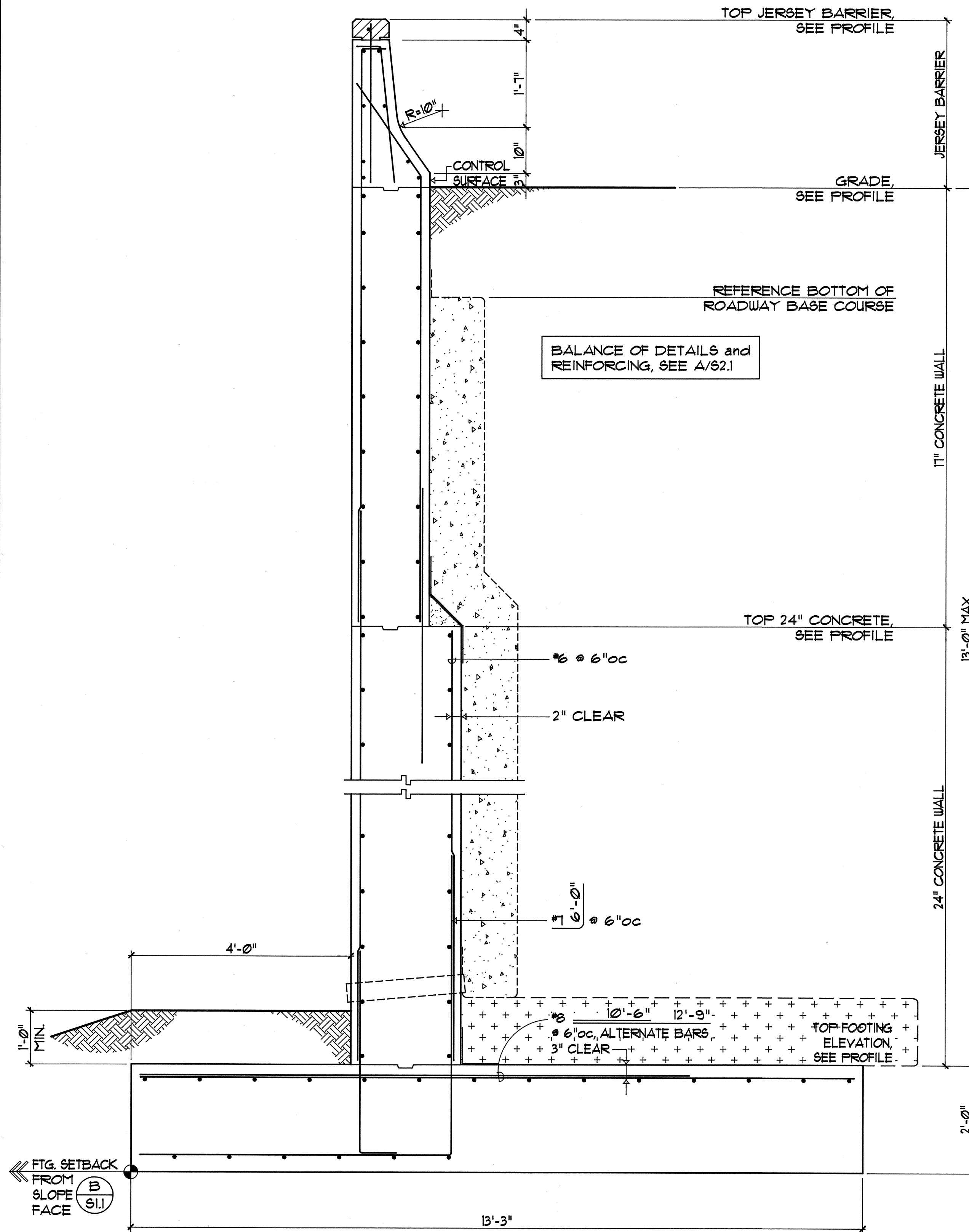
C RETAINING WALL RW-3A, RW-3B, RW-3C
S22 SC: 3/4" = 1'-0"



CONCRETE CAP AT 24" RISER SECTIONS
NOT TO SCALE



E DRAIN PATCH DETAIL
S22 SC: 1/2" = 1'-0"



A RETAINING WALL RW-1C
S22 SC: 3/4" = 1'-0"

**ALTERNATE NO. 2 - WALL NO. 1
REINFORCED CONCRETE WALL**

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**WALL DETAILS
WALL NOS. 1, 2 and 3**

**INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)**

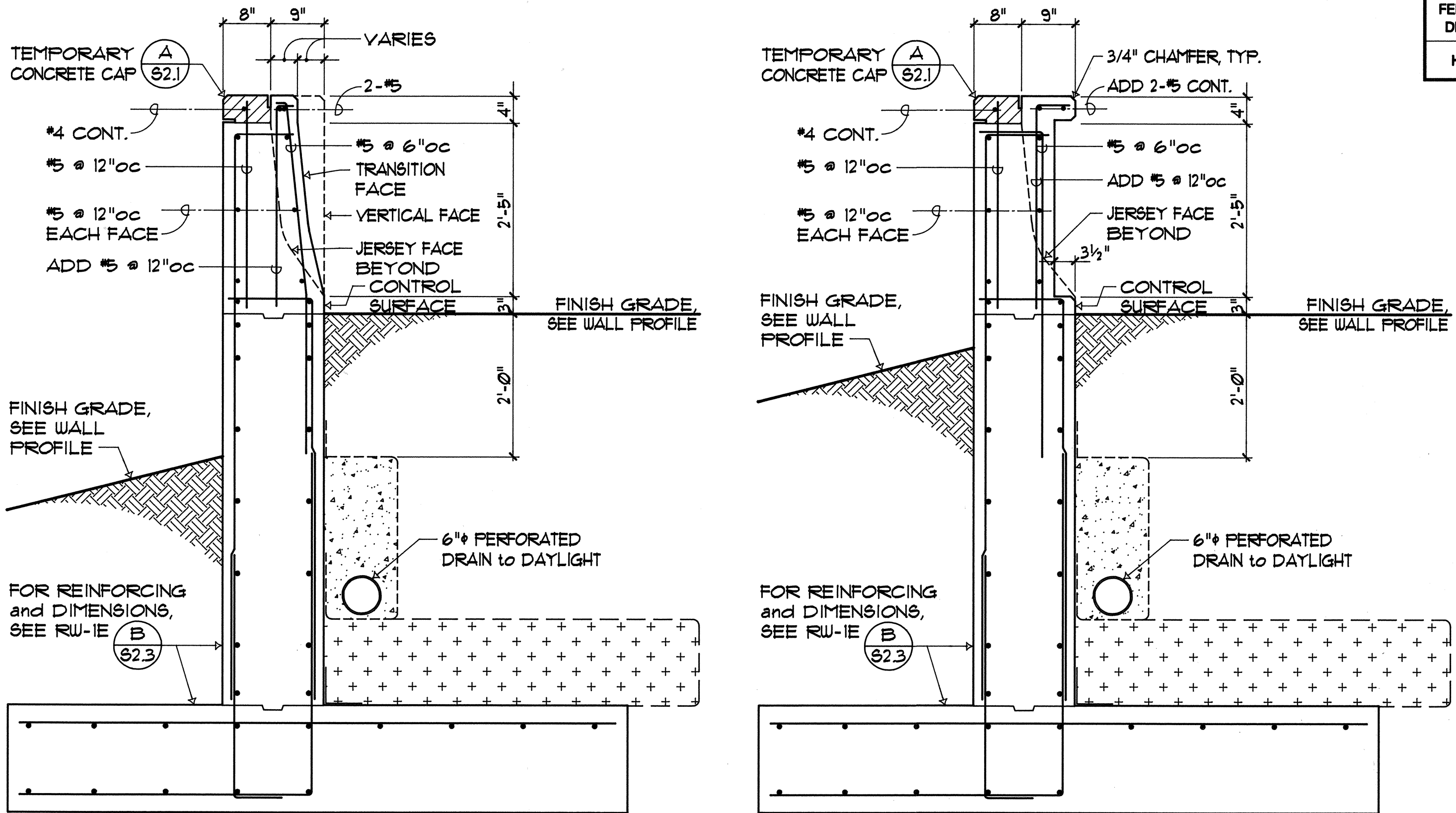
SCALE: AS NOTED DATE: MAR. 1997
SHEET No. 88 OF 10 SHEETS



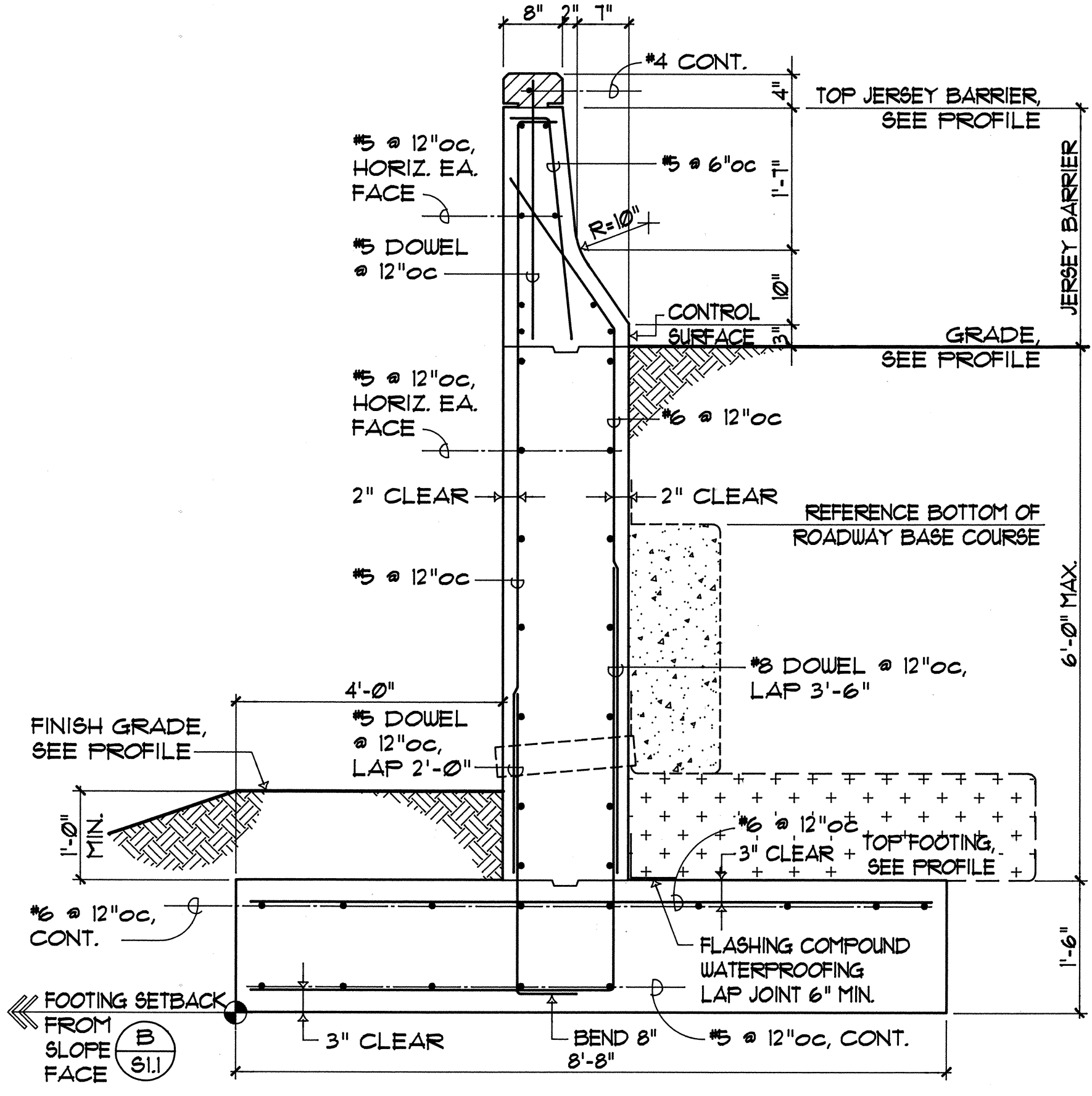
THIS WORK WAS PREPARED
BY ME OR UNDER MY
SUPERVISION.

"AS-BUILT" 97

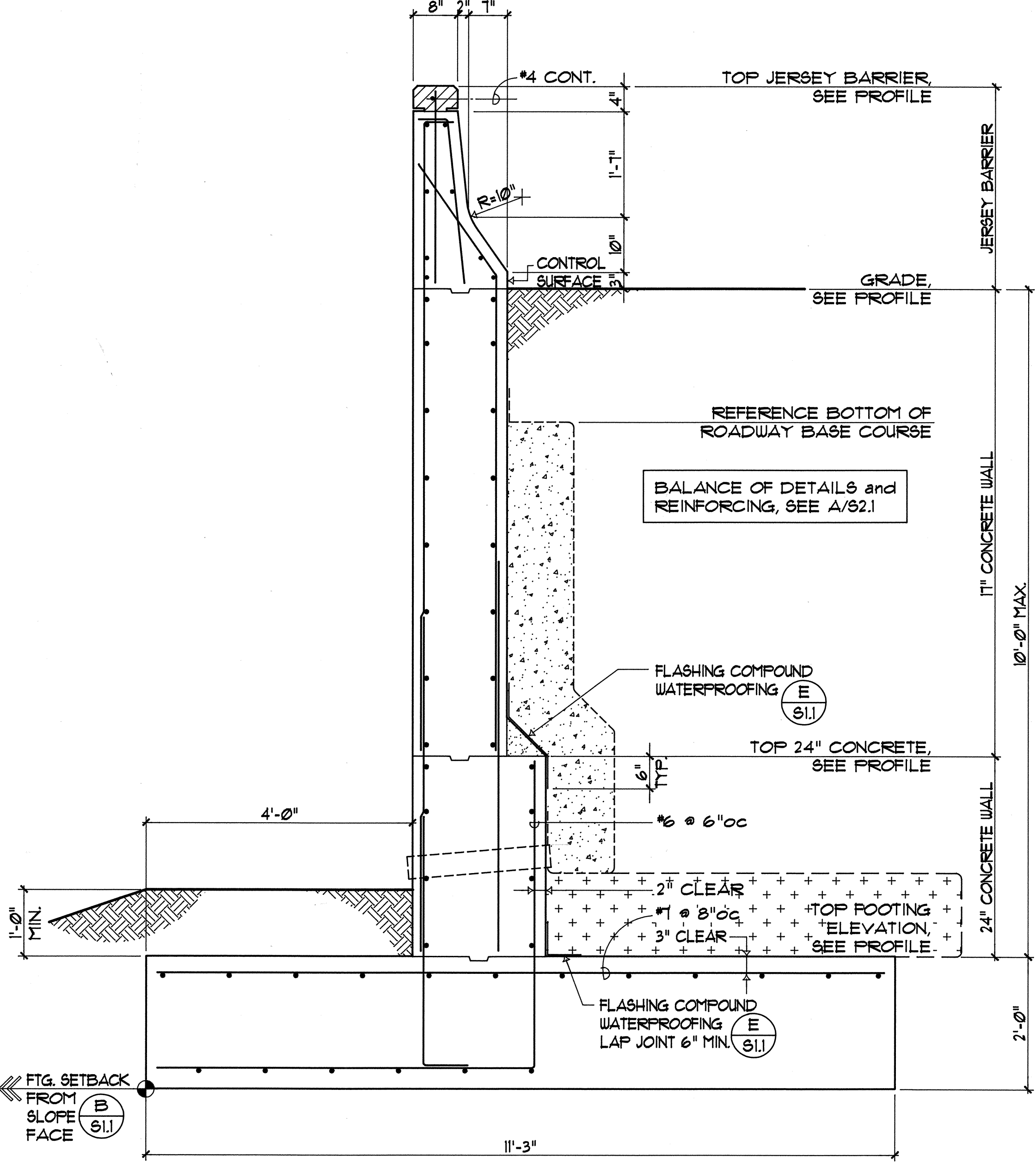
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	98	129



TRANSITION FROM JERSEY to VERTICAL FACE AT GUARDRAIL CONNECTION
(C) METAL GUARDRAIL #3 to WALL #1 TRANSITION
 SC: 3/4" = 1'-0"



(B) RETAINING WALL RW-1E
 SC: 3/4" = 1'-0"



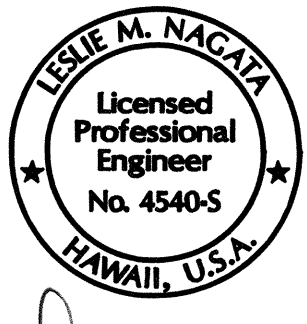
(A) RETAINING WALL RW-1D
 SC: 3/4" = 1'-0"

**ALTERNATE NO. 2 - WALL NO. 1
 REINFORCED CONCRETE WALL**

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WALL DETAILS
WALL NOS. 1, 2 and 3
INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)

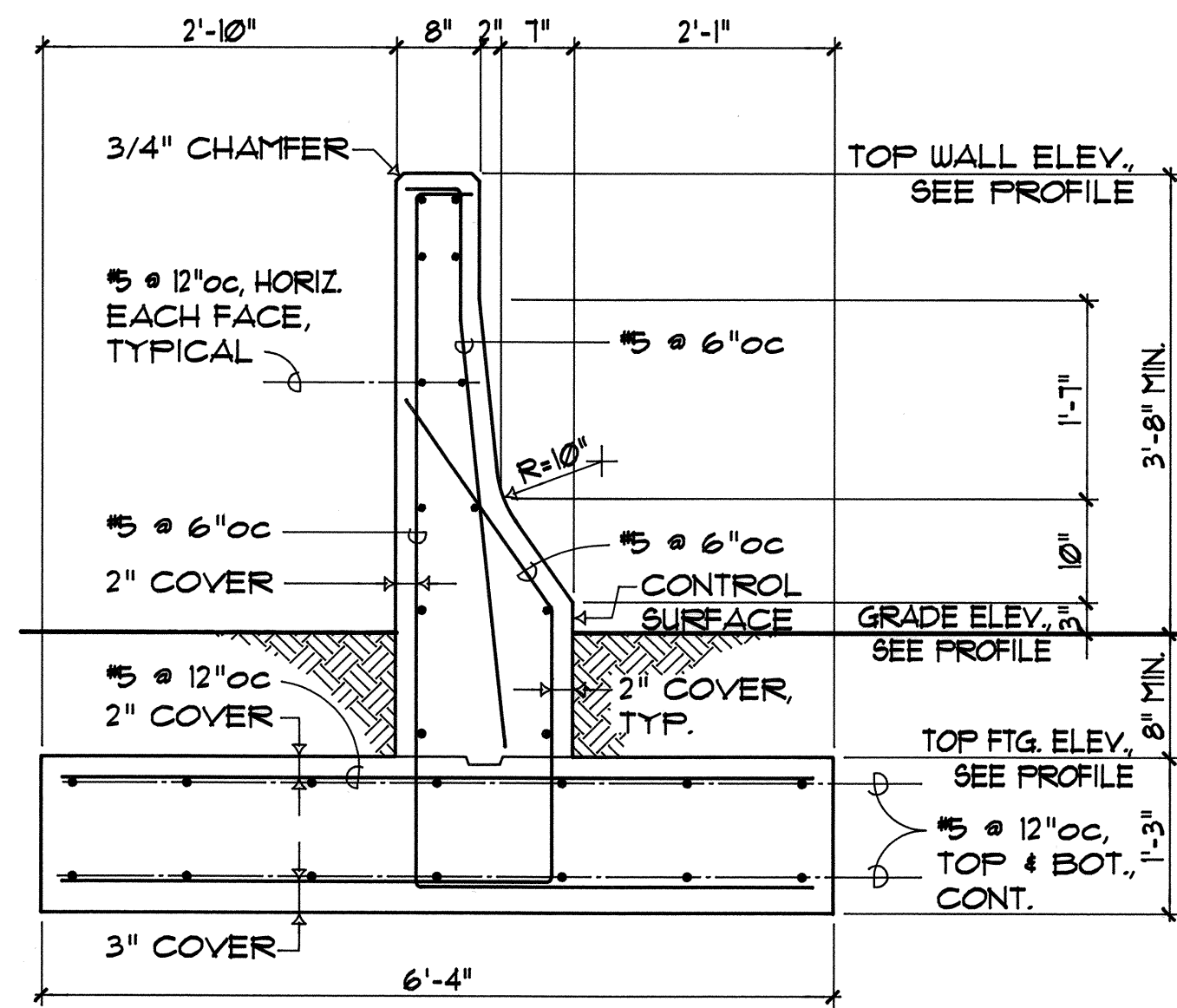
SCALE: AS NOTED
DATE: MAR. 1997
SHEET No. R9 OF 10 SHEETS



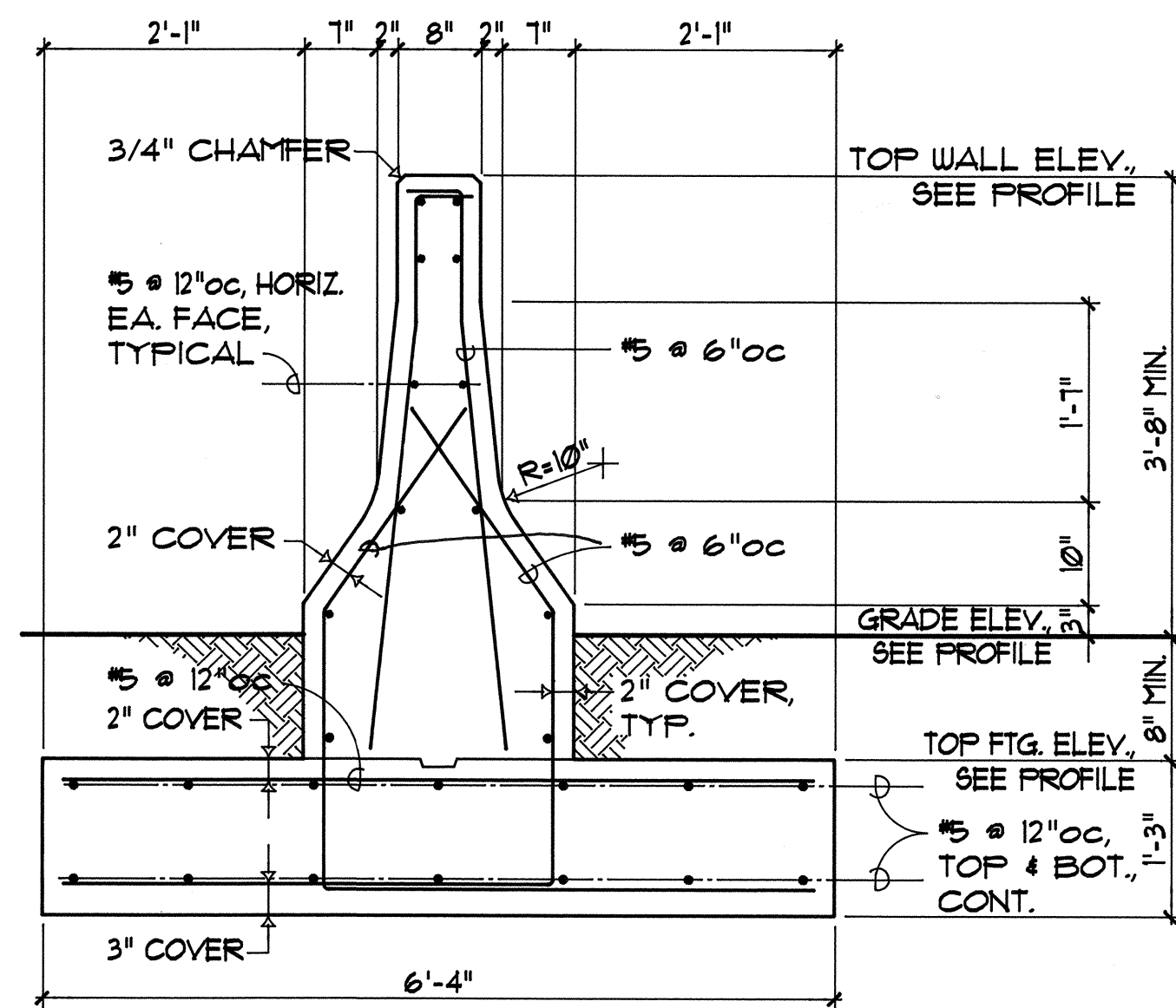
THIS WORK WAS PREPARED
 BY ME OR UNDER MY
 SUPERVISION.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

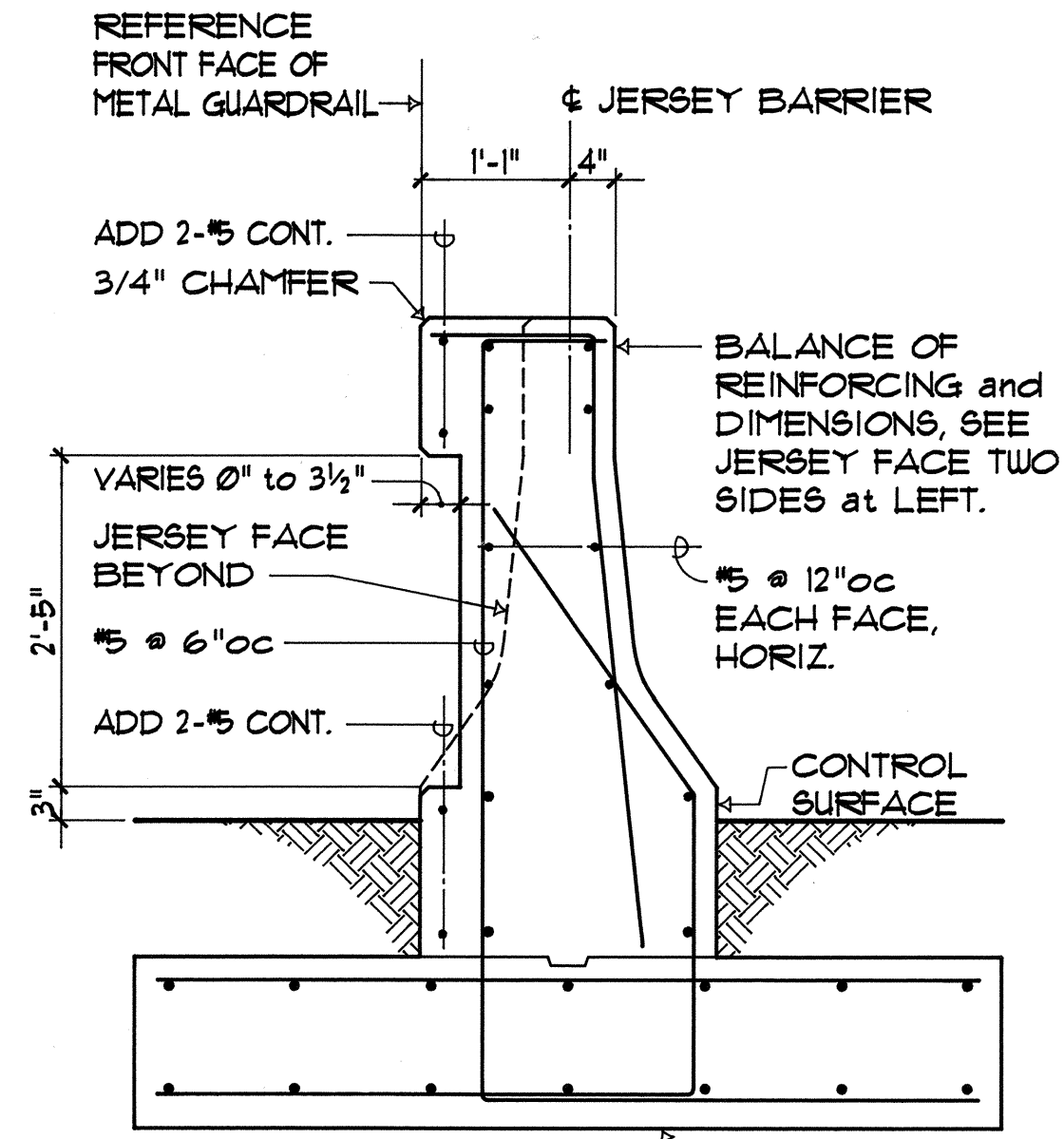
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1 (29)	1997	99	129



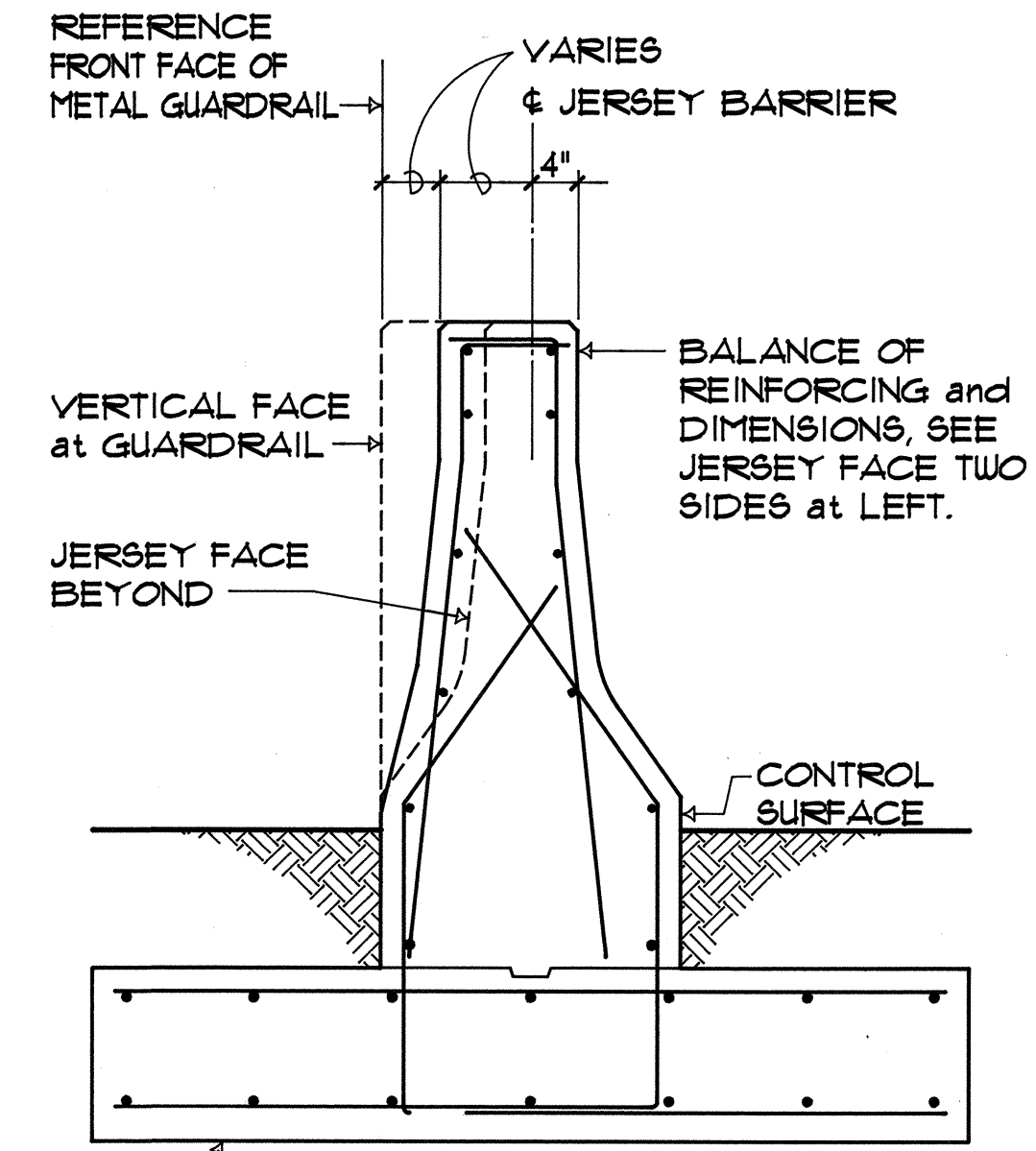
JERSEY FACE ONE SIDE ONLY



JERSEY FACE TWO SIDES



at ATTACHMENT to METAL GUARDRAIL

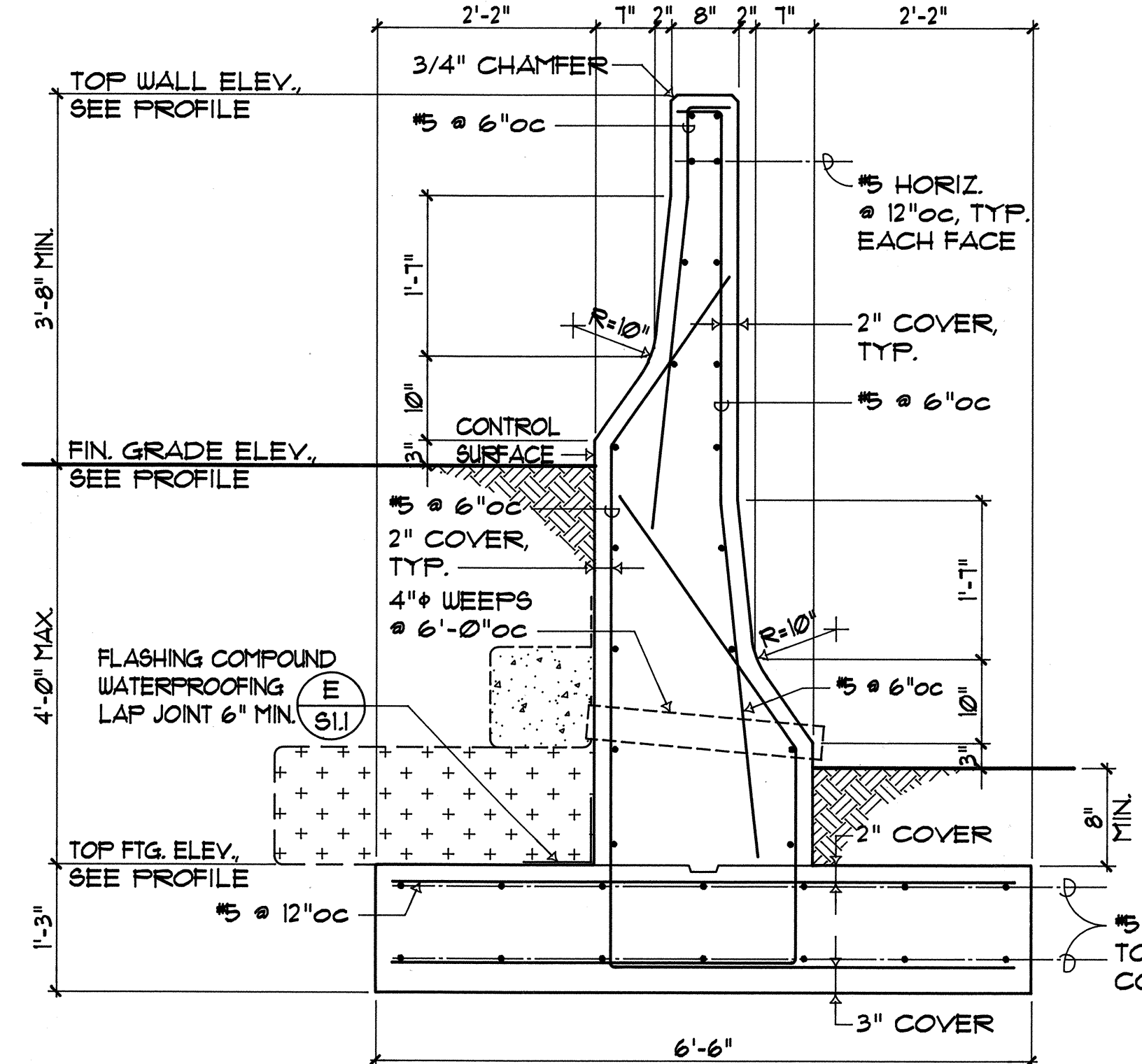


TRANSITION from VERTICAL to JERSEY FACE

JERSEY BARRIER J-2

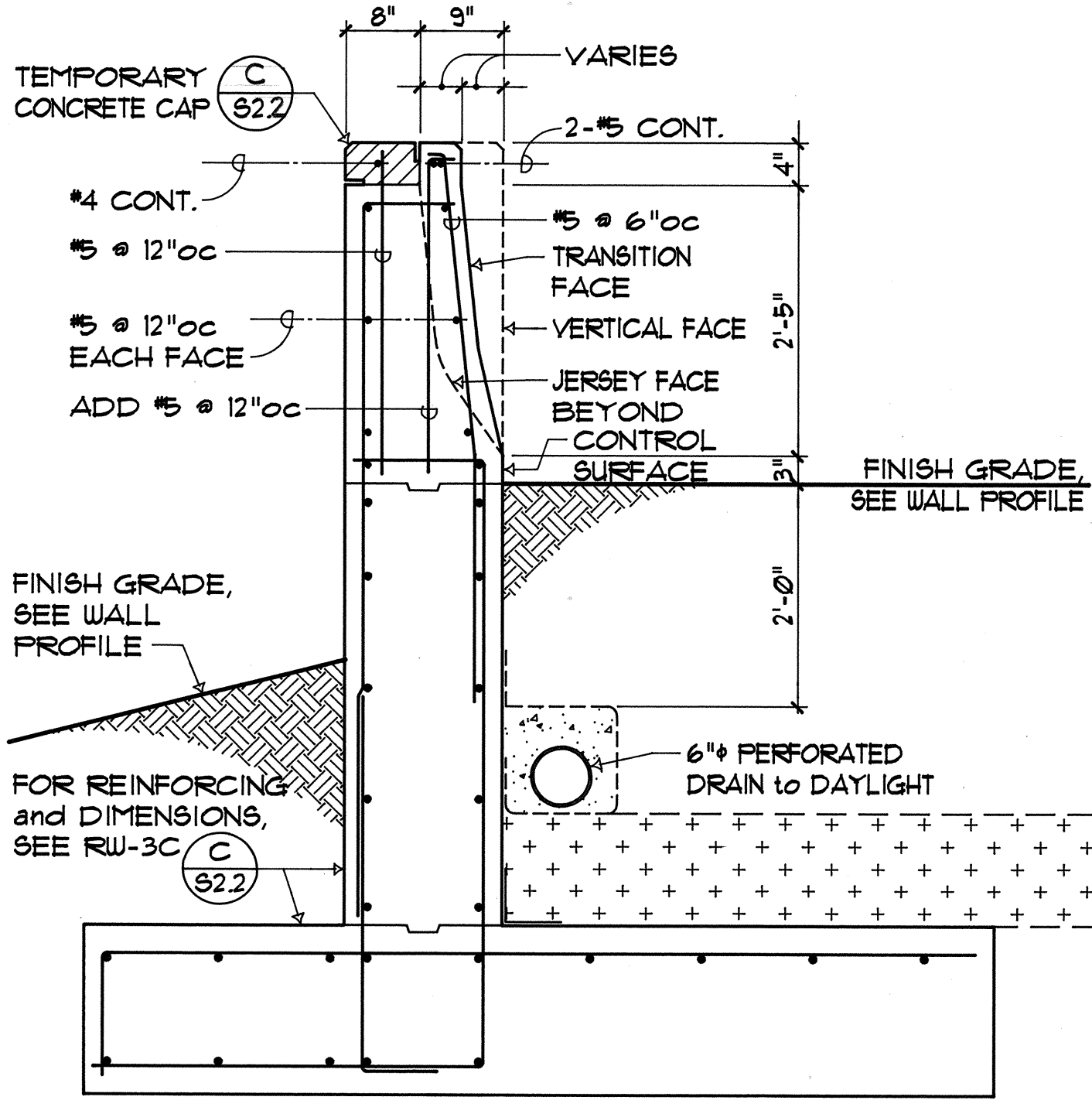
SC: 3/4" = 1'-0"

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NO.	

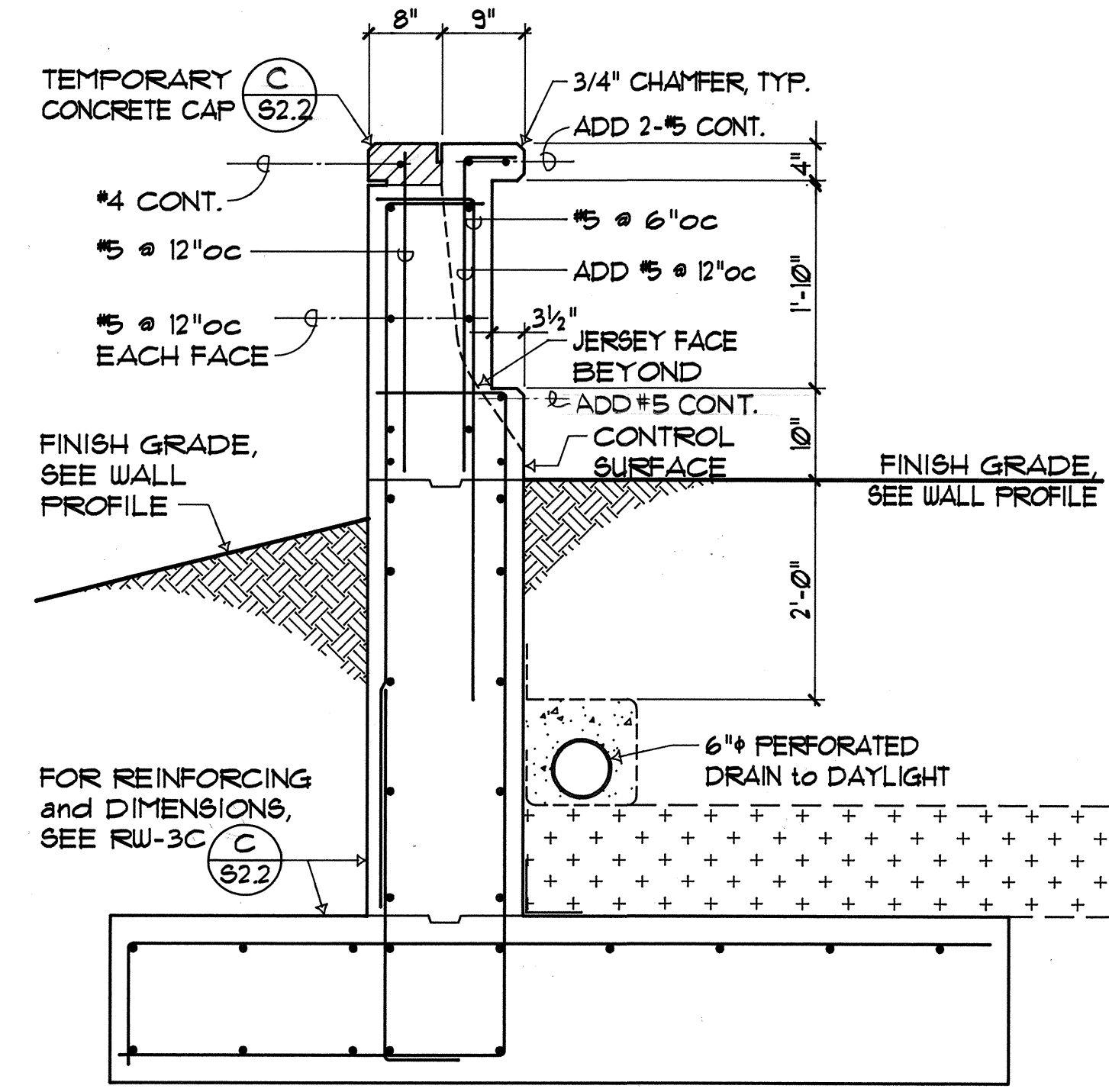


JERSEY BARRIER J-1

SC: 3/4" = 1'-0"



TRANSITION FROM JERSEY to VERTICAL FACE



AT GUARDRAIL CONNECTION

METAL GUARDRAIL #5 to WALL #3 TRANSITION

SC: 3/4" = 1'-0"



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

JERSEY WALLS J-1 and J-2

INTERSTATE ROUTE H-2
MILILANI INTERCHANGE
SOUTHBOUND ON-AND-OFF-RAMPS
F.A.I. Proj. No. IM-H2-1 (29)

SCALE: AS NOTED
DATE: MAR. 1997
SHEET No. 910 OF 10 SHEETS

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