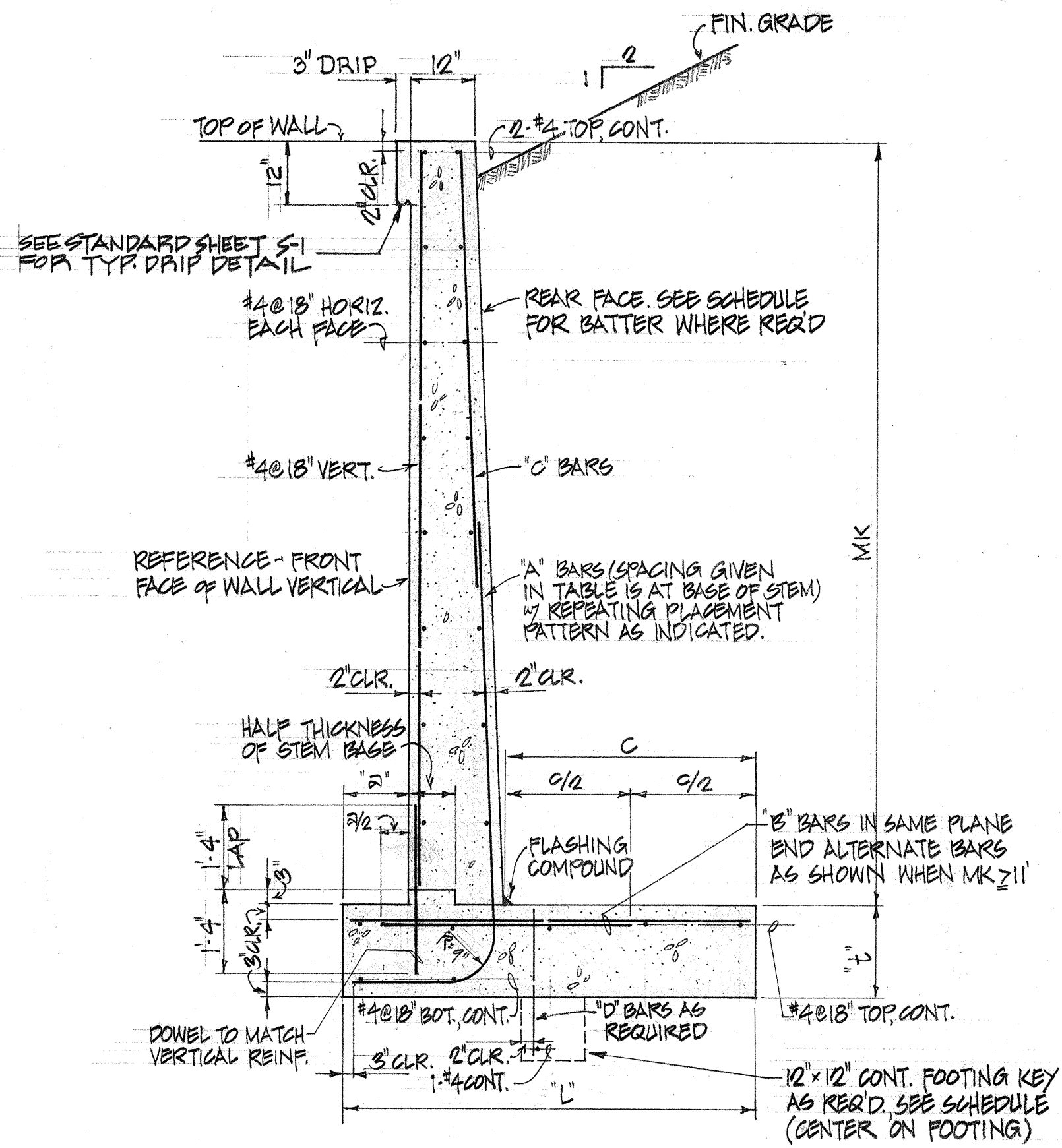
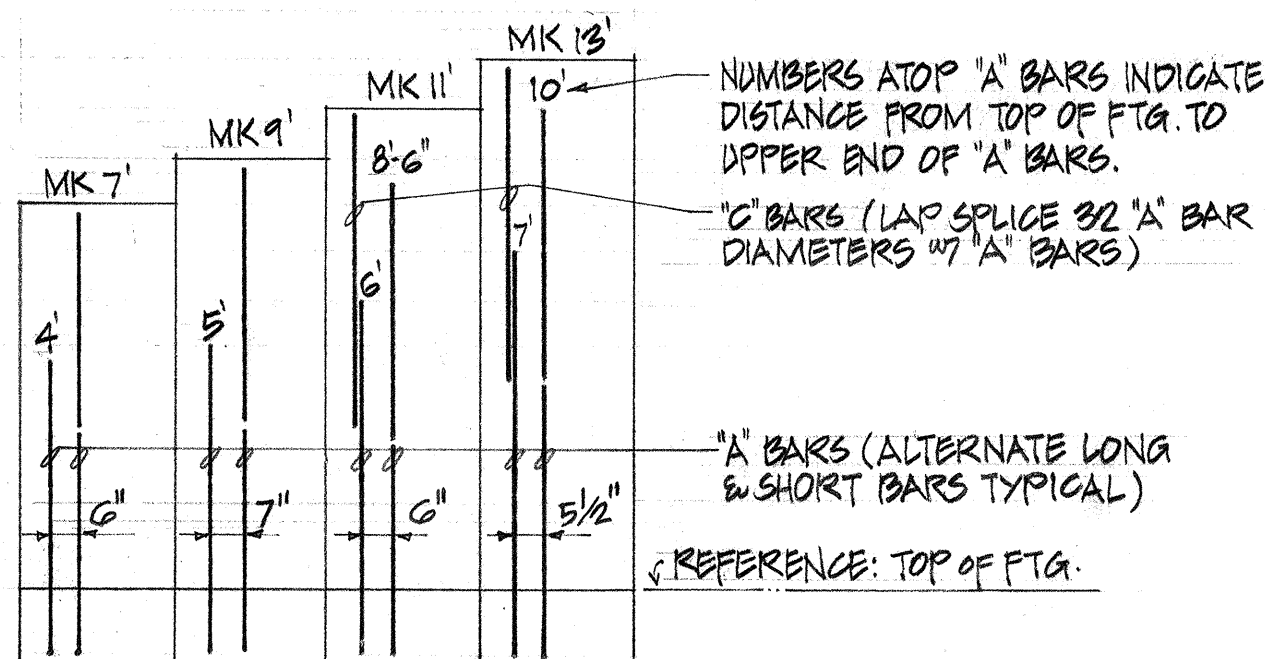




TYPICAL RETAINING WALL NO. 6 SECTION
SCALE: 1/2" = 1'-0"

* RETAINING WALL NO. 6 SCHEDULE *					
	MK 7'	MK 9'	MK 11'	MK 13'	
"5"	1'-0"	1'-0"	1'-0"	1'-6"	
"6"	1'-2"	1'-6"	1'-6"	1'-9"	
"7"	5'-0"	6'-6"	7'-0"	9'-0"	
"A" BARS	#4 @ 6"	#6 @ 7"	#6 @ 6"	#7 @ 5 1/2"	
"B" BARS	#4 @ 5 1/2"	#6 @ 6"	#7 @ 5 1/2"	#8 @ 5 1/2"	
"C" BARS	"	"	#4 @ 12"	#4 @ 11"	
"D" BARS	"	"	#3 @ 12"	#3 @ 10"	
REAR FACE BATTER FROM TOP	"	"	1/2":12	1/2":12	
12"x12" FTG. KEY	"	"	REQ'D	REQ'D	

* STEEL REINF. SHALL BE
ASTM A-615 GRADE 40



VERTICAL REINFORCING ARRANGEMENT

NOTES:

- REFER TO STANDARD DETAIL SHT. NO. 5-7 FOR:
1. TYPICAL EXPANSION JOINT DETAILS.
2. TYPICAL FOOTING STEP-UP DETAILS.
3. STRUCTURAL EXCAVATION & DRAINAGE DETAILS, EXCEPT WEEP HOLES SHALL CONFORM TO DETAIL (A) 1.

ESTIMATED QUANTITIES-PARTIAL BRIDGE & RET. WALL NO. 5, 6 & 7

ITEM NO.	ITEM	UNIT	APPROX. QUANTITY
206.60	STRUCTURAL EXCAVATION FOR PARTIAL BRIDGE AND RETAINING WALLS NO. 5, NO. 6 & NO. 7	CY	1093
206.71	STRUCTURAL BACKFILL FOR PARTIAL BRIDGE AND RETAINING WALLS NO. 5, NO. 6 & NO. 7	CY	2243
206.81	FILTER MATERIAL FOR PARTIAL BRIDGE & RETAINING WALLS NO. 5, NO. 6 & NO. 7	CY	249
503.071	CONCRETE IN PARTIAL BRIDGE AND RETAINING WALLS NO. 5, NO. 6, & NO. 7	CY	479
503.072	CONCRETE IN FOOTING FOR PARTIAL BRIDGE & RETAINING WALLS NO. 5, NO. 6 & NO. 7	CY	474
507.15	METAL BRIDGE RAILING, TWO RAILS (STEEL) ON PARAPET FOR PARTIAL BRIDGE & RET. WALL NO. 5	L.F.	410
507.70	CONCRETE BRIDGE PARAPET, INCLUDING END POST FOR PARTIAL BRIDGE & RET. WALL NO. 5	L.F.	420
602.011	REINFORCING STEEL IN PARTIAL BRIDGE & RETAINING WALLS NO. 5, NO. 6 & NO. 7	LBS.	130,300
612.01	GROUTED RUBBLE PAVING	CY	183

DATE	_____
SURVEY PLOTTED BY	_____
PLAN	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL	_____
PLAN	_____
NOTE BOOK	_____
NO.	_____

REGISTERED PROFESSIONAL ENGINEER
NO. 1000
STATE OF HAWAII

AUSTIN, YEE & PARK
(A JOINT VENTURE)
745 FORT STREET HONOLULU, HAWAII

DES. H. Y. DR. N. Y. CHK. H. Y.

APPROVED FOR JOINT VENTURE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

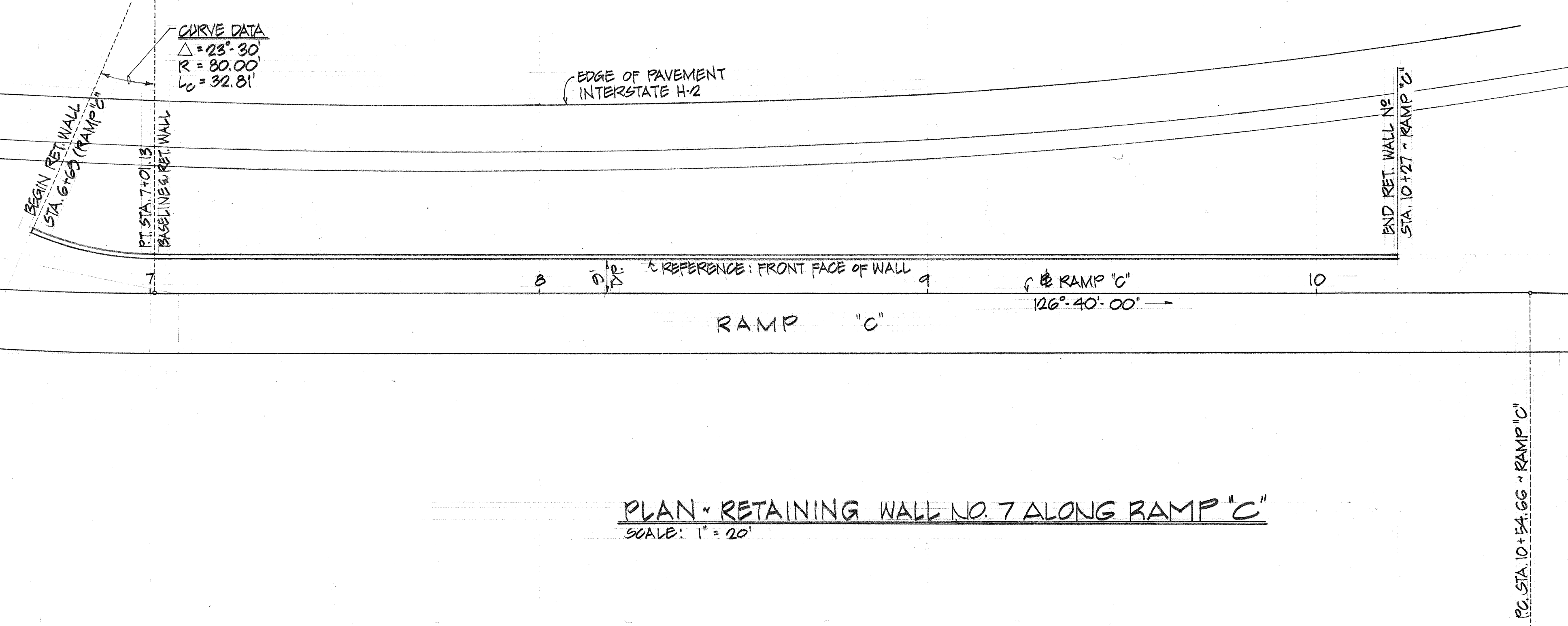
SECTION & DETAILS
RETAINING WALL NO. 6
BETWEEN RAMP "E" & LOOP "I"

WAHIANA INTERCHANGE
F.A.I. Project No. I-H2-1(11):7

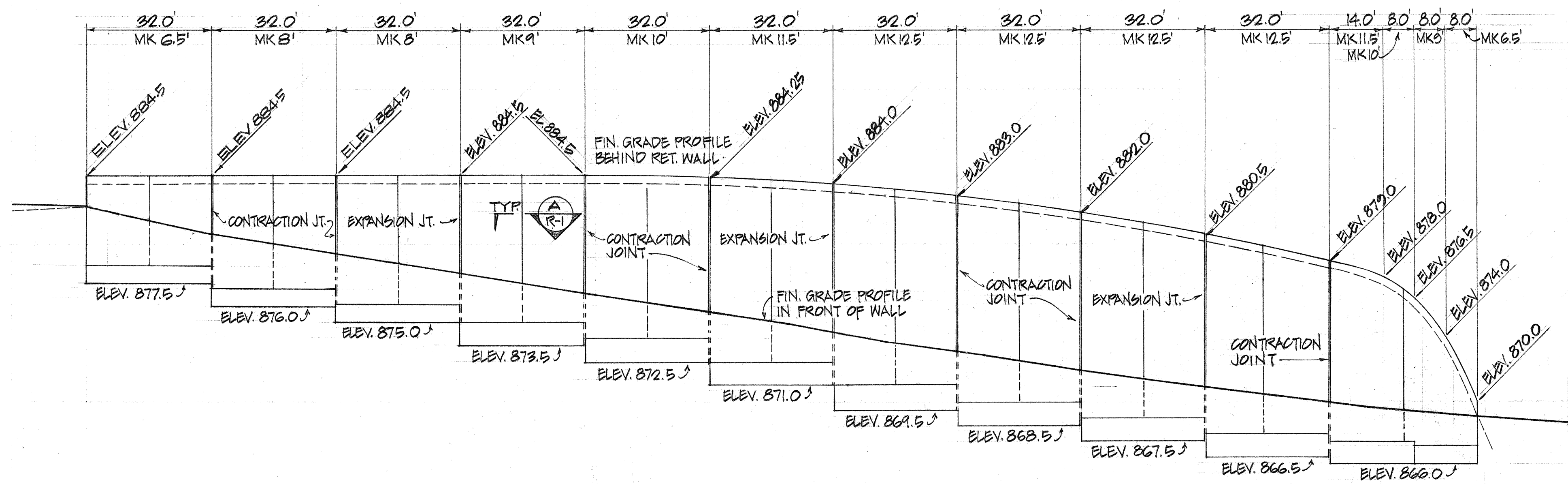
Scale: As noted Date: 4-25-73

SHEET No. R-2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H2-1(11)-7	1973	167	274



PLAN - RETAINING WALL NO. 7 ALONG RAMP "C"
SCALE: 1" = 20'



ELEVATION - RETAINING WALL NO. 7 ALONG RAMP "C"
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

SEE NOTES FOR
RETAINING WALL NO. 6
SHEET R-1

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

AUSTIN, YEE & PARK
(A JOINT VENTURE)
745 FORT STREET HONOLULU, HAWAII

DES. H.C. DR. W.J. CHK. H.C.
Donald W. Yee
APPROVED FOR JOINT VENTURE

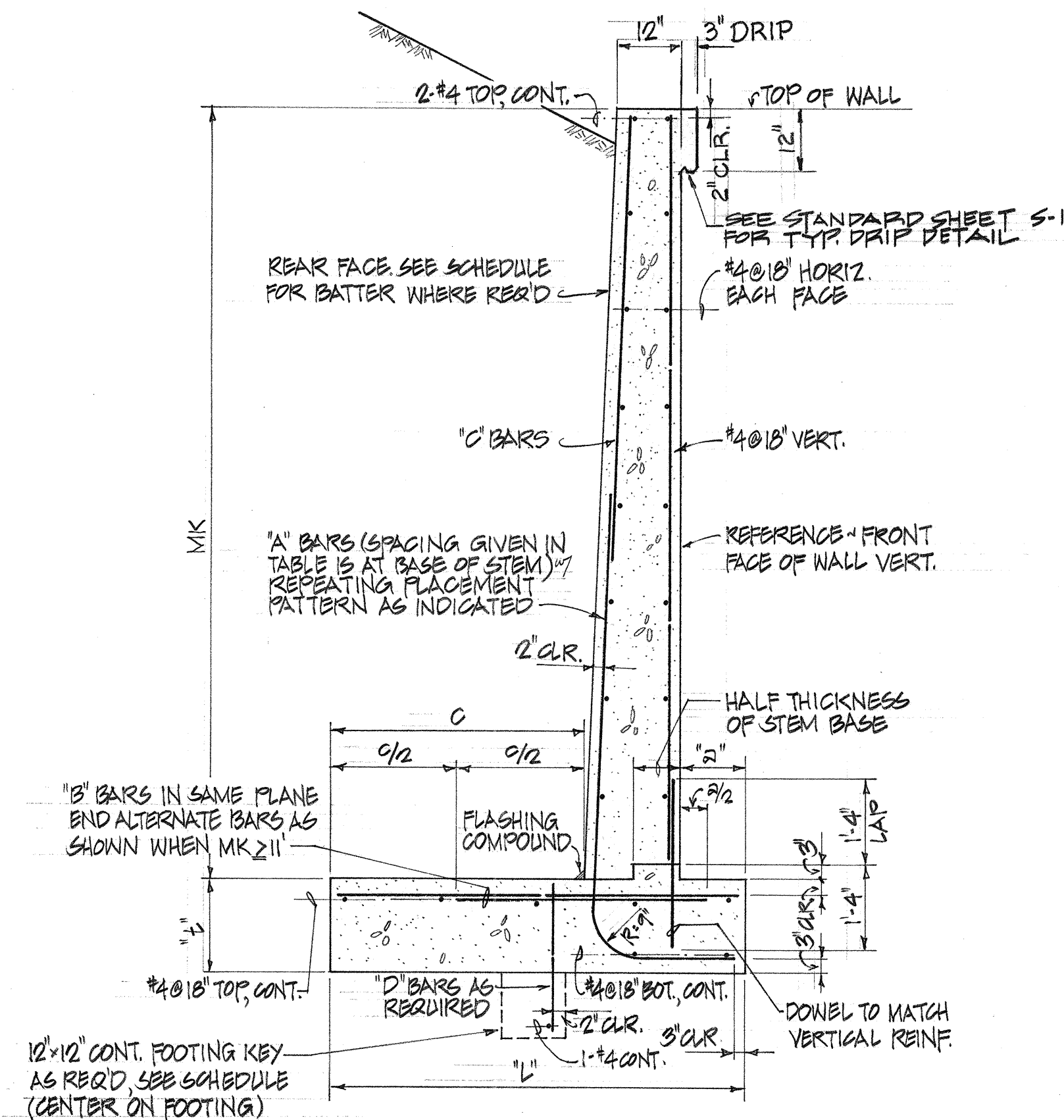
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PLAN & ELEVATION
RETAINING WALL NO. 7
ALONG RAMP "C"**

NAHIAWA INTERCHANGE
F.A.I. Project No. I-H2-1(11)-7

Scale: As noted Date: 4-25-73

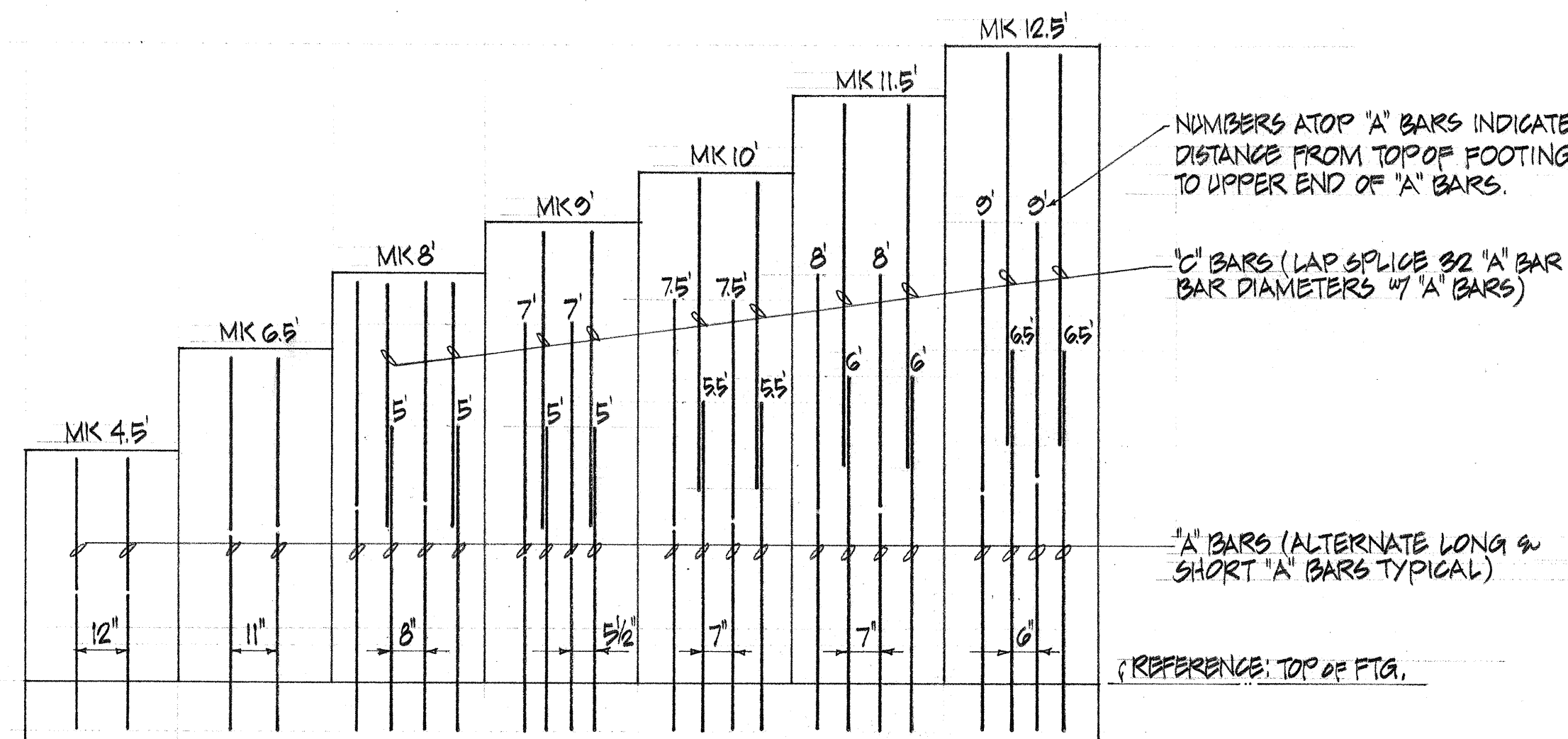
SHEET No. R-3 OF 4 SHEETS



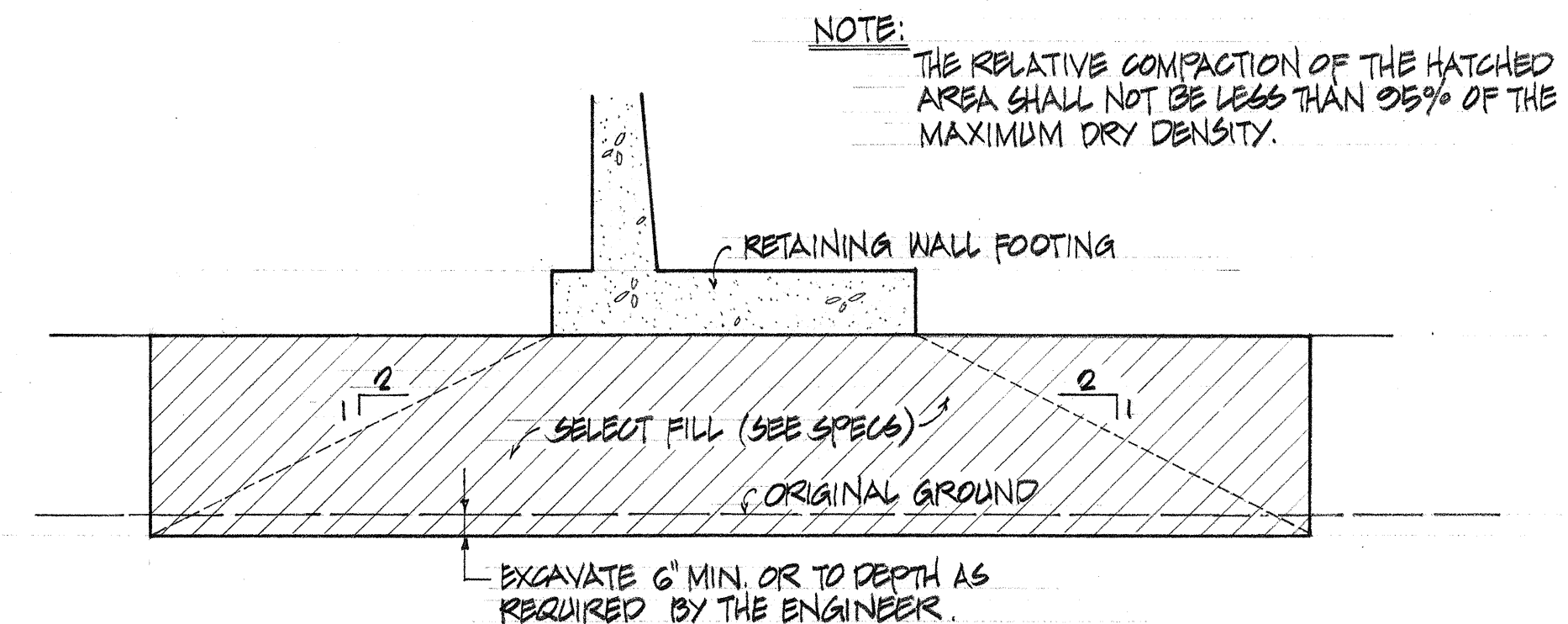
TYPICAL SECTION RETAINING WALL NO. 7
SCALE: 1/2" = 1'-0"

RETAINING WALL NO. 7 SCHEDULE *							
	MK 4.5'	MK 6.5'	MK 8'	MK 9'	MK 10'	MK 11.5'	MK 12.5'
"A" BARS	6"	12"	12"	12"	12"	12"	12"
"B" BARS	1'-2"	1'-2"	1'-2"	1'-2"	1'-6"	1'-6"	1'-6"
"C" BARS	3'-6"	4'-6"	5'-6"	6'-0"	7'-0"	7'-6"	8'-6"
"D" BARS	4@12"	4@11"	5@8"	5@5 1/2"	6@7"	6@7"	6@6"
REAR FACE BATTER FROM TOP	~	~	~	~	~	1/2:12	1/2:12
12"x12" FGA KEY	~	~	~	~	REQ'D	REQ'D	REQ'D

* STEEL REINF. SHALL BE ASTM A-615 GRADE 40



VERTICAL REINFORCING ARRANGEMENT



RETAINING WALL FOOTING EXCAVATION & FILL

NOTES

- REFER TO STANDARD DETAIL SHT. NO. S-7 FOR:
1. TYPICAL EXPANSION JOINT DETAILS.
2. TYPICAL FOOTING STEP-UP DETAILS.
3. STRUCTURAL EXCAVATION & DRAINAGE DETAILS, EXCEPT WEEP HOLES SHALL CONFORM TO DETAIL (A-1)

REGISTERED PROFESSIONAL ENGINEER
NO. 12,121
HAWAII, U.S.A.

AUSTIN, YEE & PARK
(A JOINT VENTURE)
745 FORT STREET HONOLULU, HAWAII

DES. H.C. DR. W.H. CHK. H.C.
Ronald M. Yee

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
APPROVED FOR JOINT VENTURE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SECTIONS & DETAILS
RETAINING WALL NO. 7
ALONG RAMP 'C'

WAHIAWA INTERCHANGE
F.A.I. Project No. I-H2-1(11):17

Scale: As noted Date: 4-25-73

SHEET No. R-4 OF 4 SHEETS