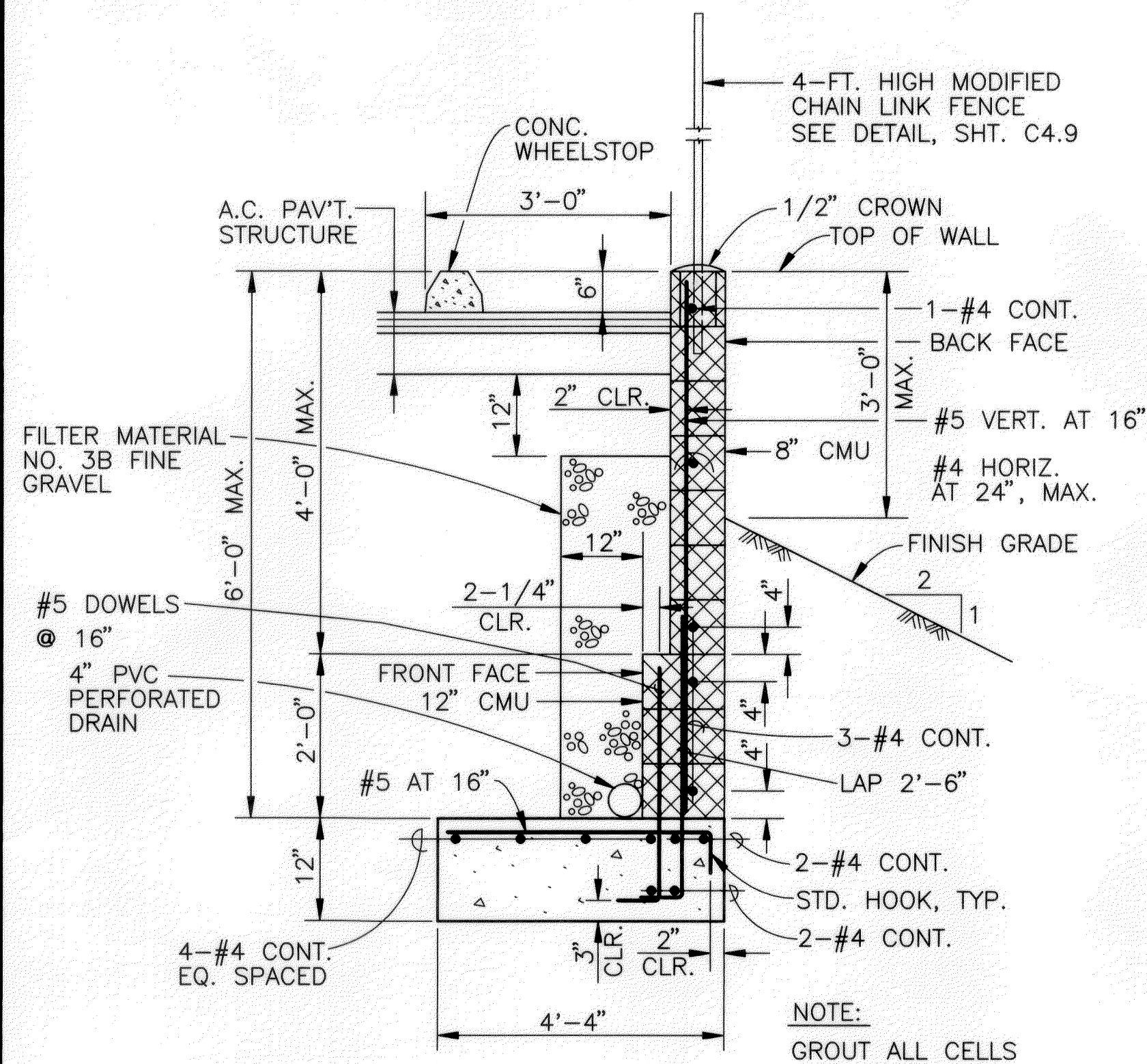
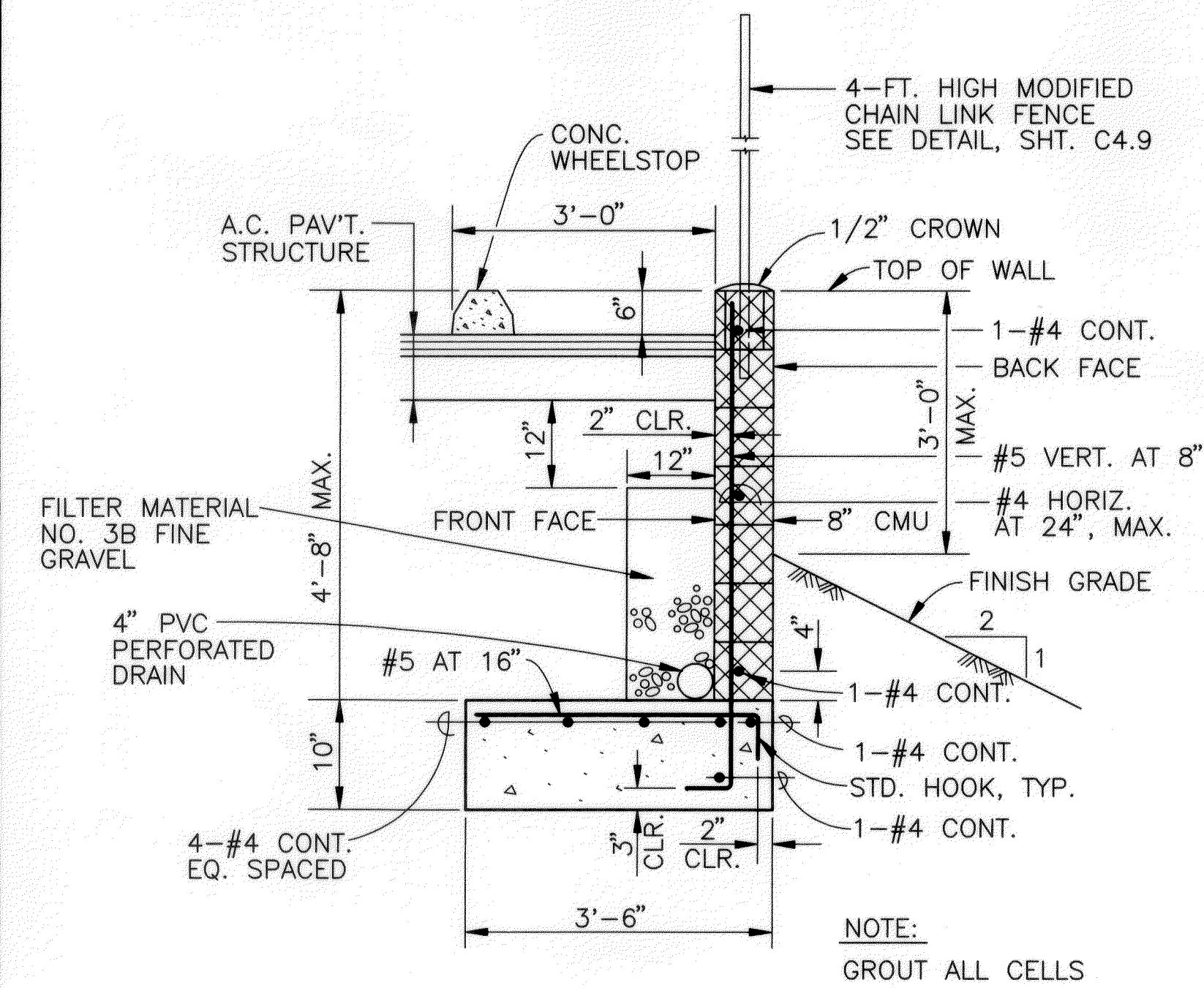


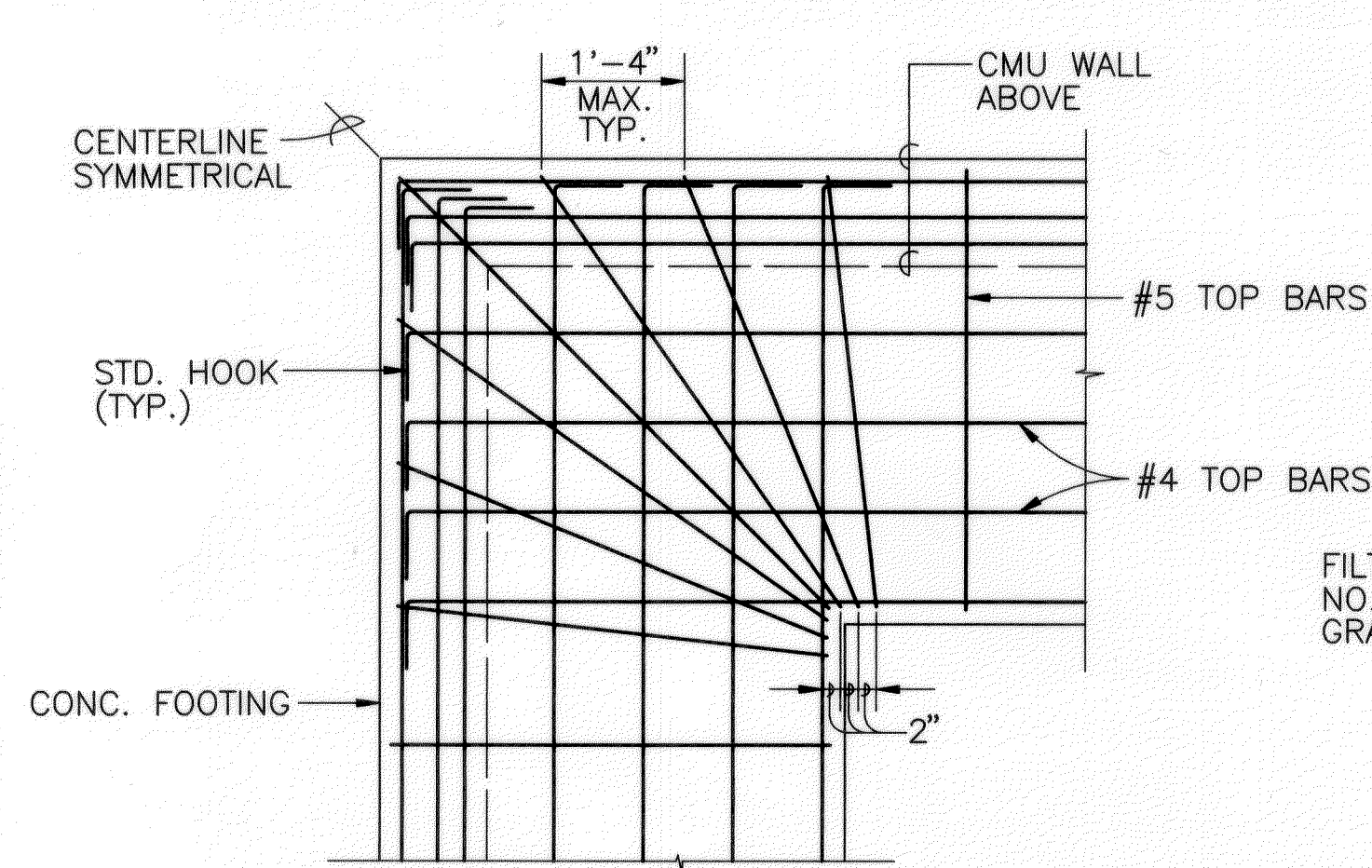
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-98	2002	22	99



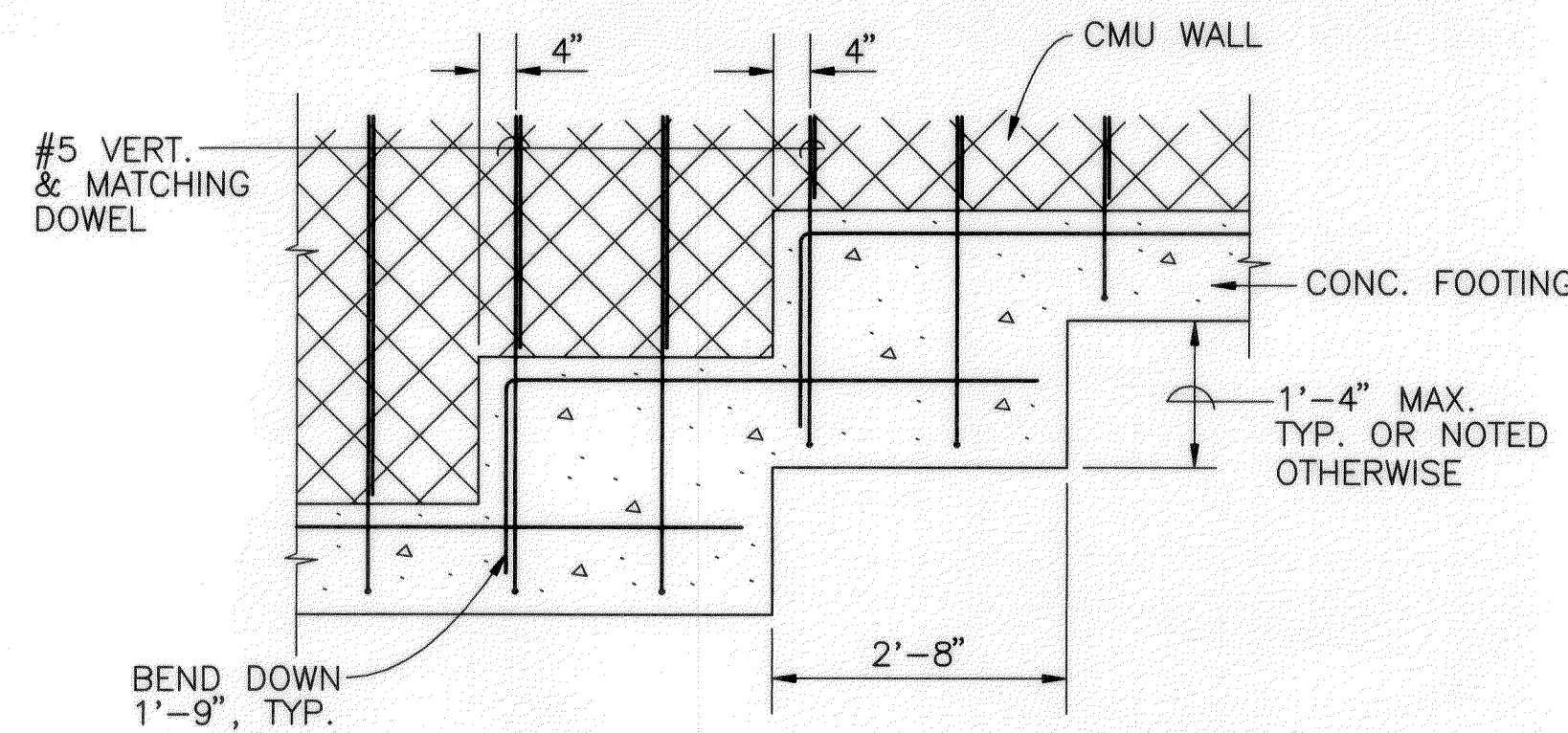
TYPE "A" WALL
TYPICAL SECTION
RETAINING WALL NO. 1
 NOT TO SCALE



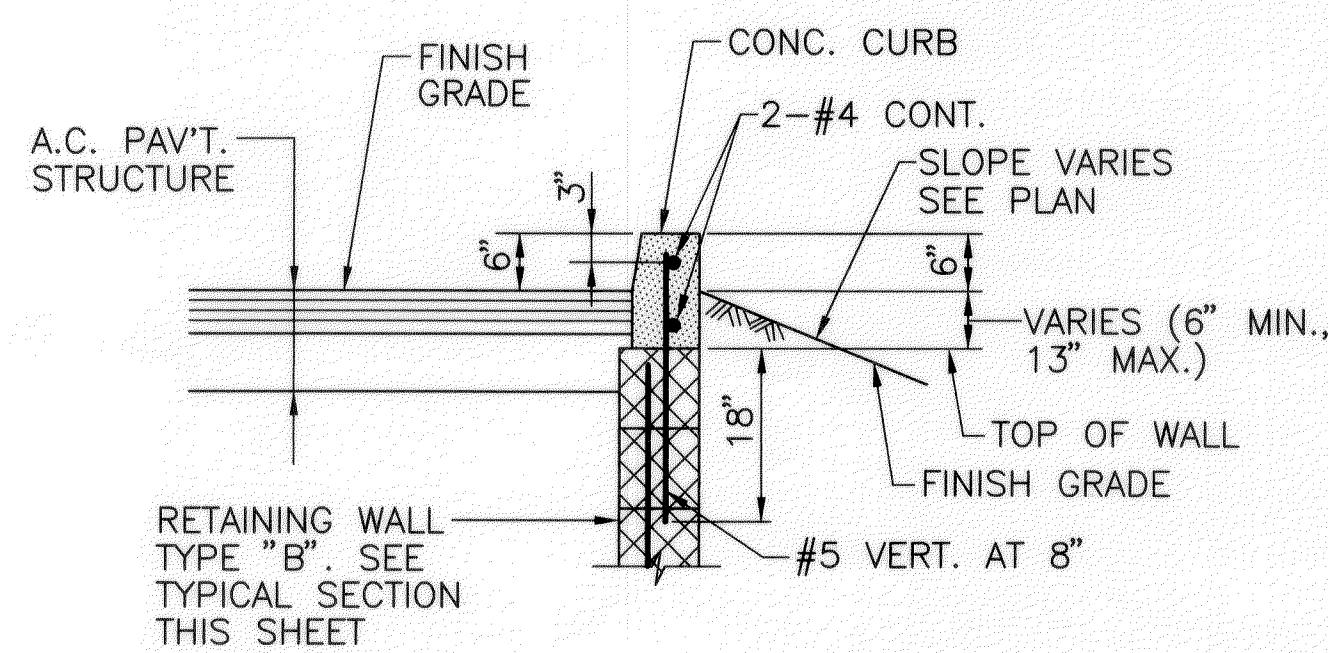
TYPE "B" WALL
TYPICAL SECTION
RETAINING WALL NO. 1
 NOT TO SCALE



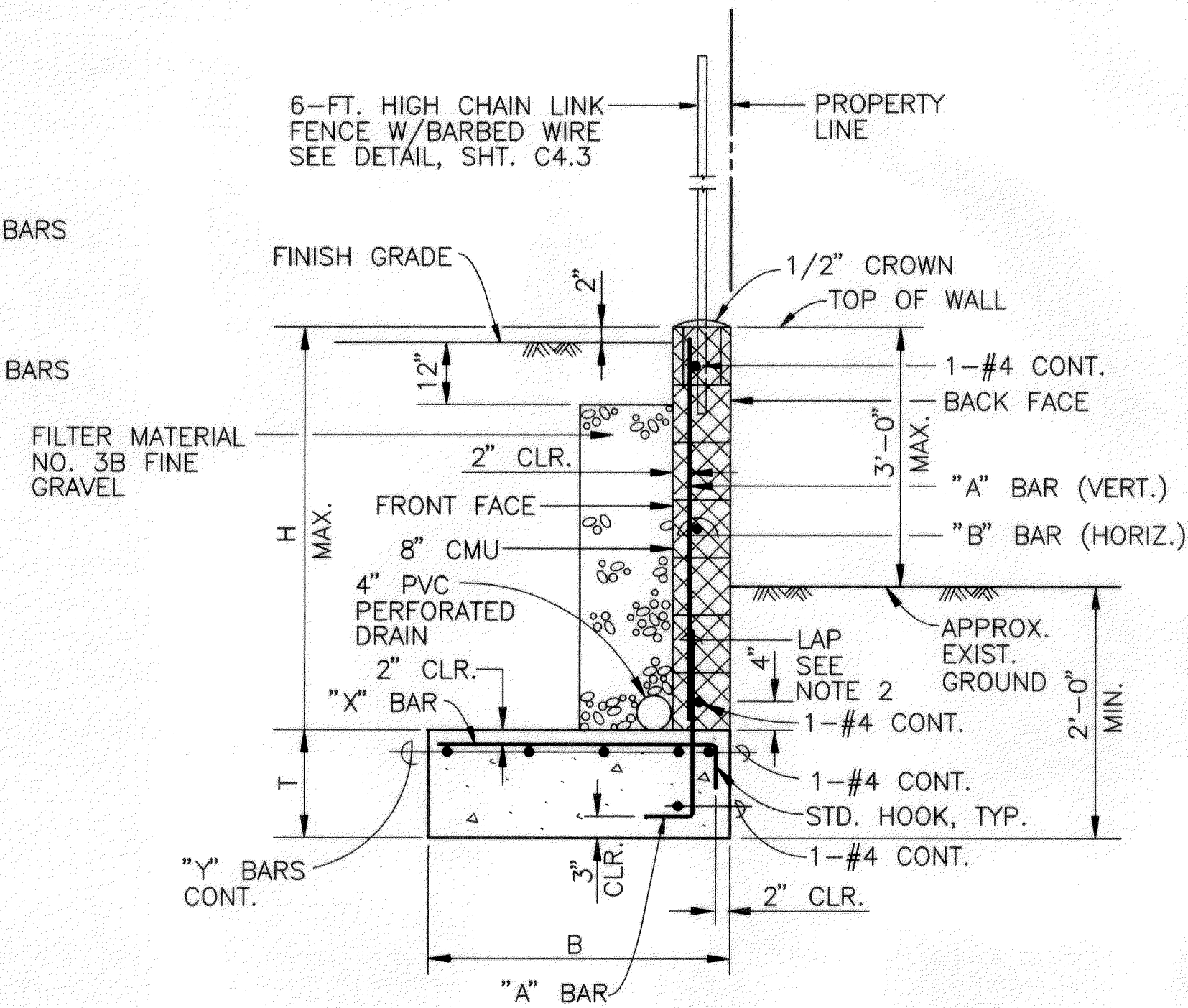
RETAINING WALL NO. 1
DETAIL - PLAN AT CORNER
 NOT TO SCALE



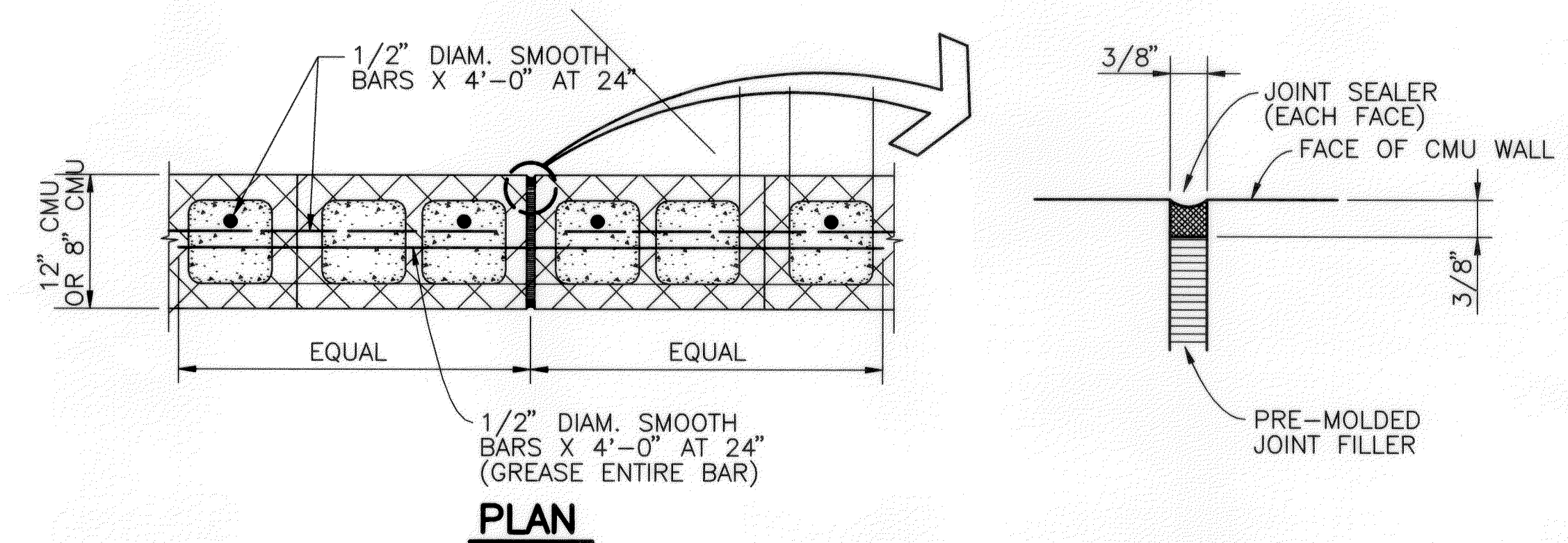
TYPICAL STEPPED FOOTING DETAIL
 NOT TO SCALE



TYPICAL SECTION
RETAINING WALL NO. 3
 NOT TO SCALE



TYPE "C", "D" AND "E" WALL
TYPICAL SECTION - RETAINING WALL NO. 2
 NOT TO SCALE



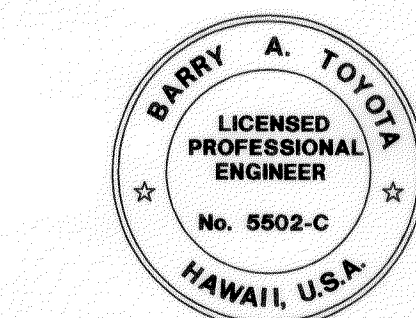
- NOTES:
1. TERMINATE ALL HORIZONTAL REINFORCING IN CMU WALL AT CONTROL JOINTS.
 2. JOINTS SHALL BE FULL HEIGHT OF WALL.

TYPICAL CONTROL JOINT AT MASONRY WALL
 NOT TO SCALE

WALL TYPE	"C"	"D"	"E"
H	3'-4"	4'-8"	6'-8"
B	2'-4"	3'-6"	3'-6"
T	10"	10"	10"
"A" BAR	#4 AT 16"	#5 AT 16"	#5 AT 8"
"B" BAR	#4 AT 24"	#4 AT 24"	#4 AT 24"
"X" BAR	#4 AT 16"	#5 AT 16"	#5 AT 16"
"Y" BAR	3-#4 (EQ. SP.)	4-#4 (EQ. SP.)	4-#4 (EQ. SP.)

- NOTES:
1. GROUT ALL CELLS
 2. LAP SPICE LENGTH: 24" FOR #4
30" FOR #5

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



THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION

Barry A. Tojima

DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
RETAINING WALL
SECTIONS AND DETAILS
 MOLOKAI BASEYARD
 MOLOKAI INDUSTRIAL PARK
 Project No. HWY-M-05-98
 Scale: As Noted Date: Sept. 13, 2001
SHEET NO. C4.10 OF C4.10 SHEETS