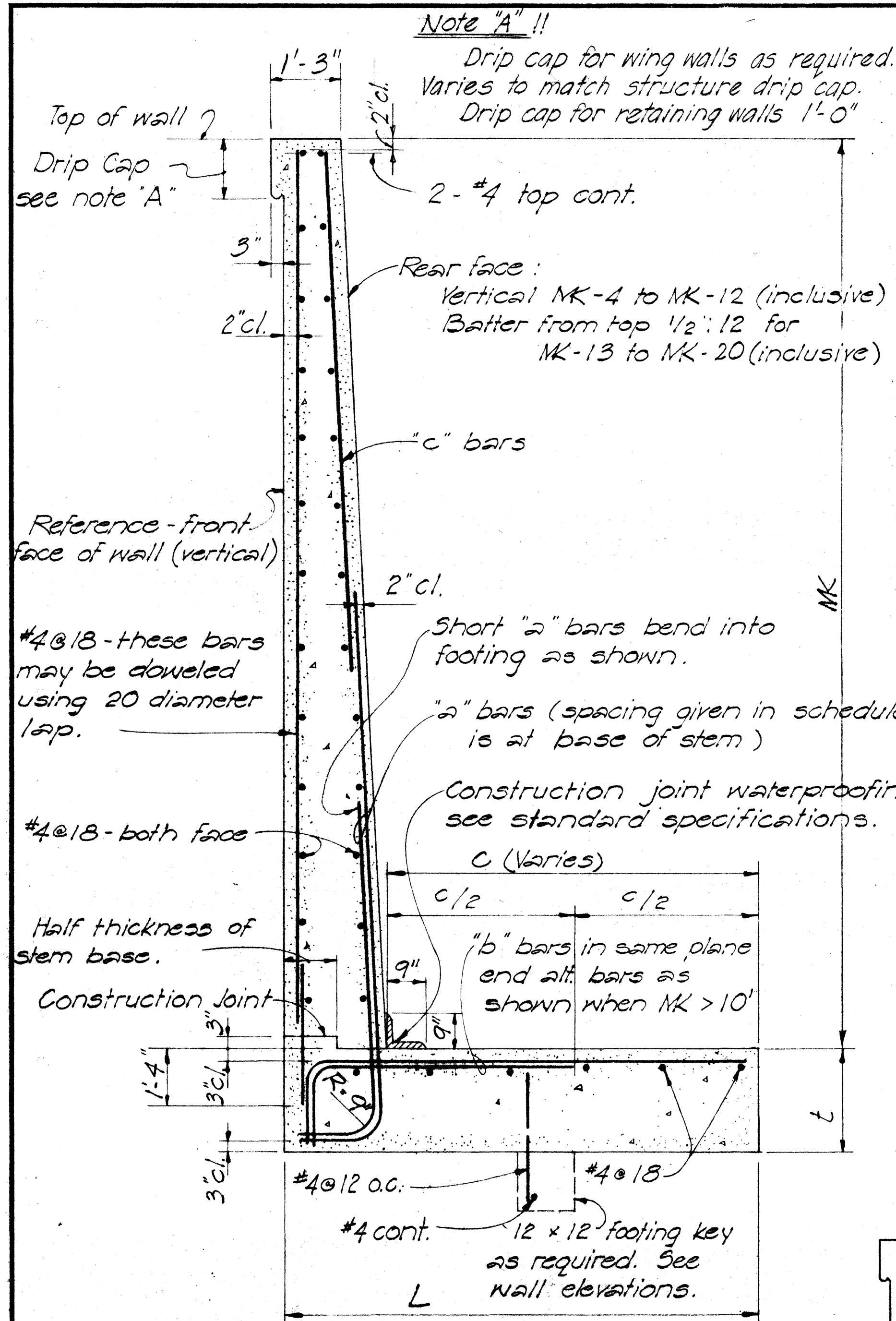
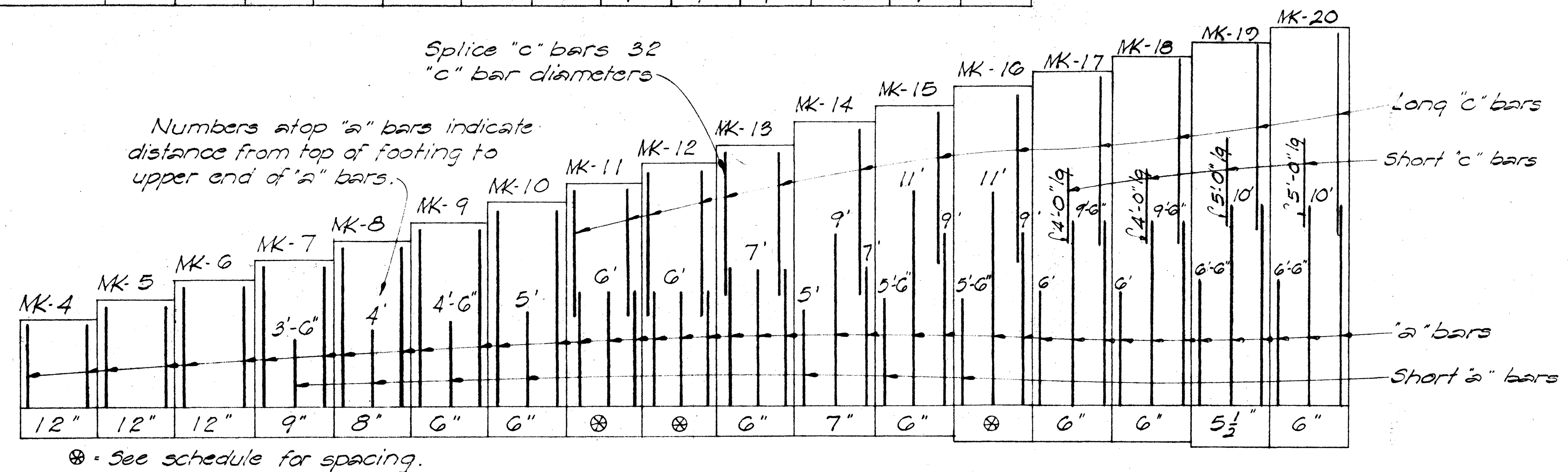




TYPE "L-1" WALL SCHEDULE OF DIMENSIONS AND REINFORCING STEEL

Maximum "MK"	4 E	5 E	6 E	7 E	8 E	9 E	10 E	11 E	12 E	13 E	14 E	15 E	16 E	17 E	18 E	19 E	20 E
L	3.0'	3.25'	3.5'	4.25'	4.75'	5.5'	6.0'	6.75'	7.5'	8.5'	9.25'	10.5'	12.0'	12.75'	14.00'	15.50'	17.00'
t	14"	14"	14"	14"	14"	14"	14"	18"	18"	18"	21"	24"	27"	27"	30"	30"	
"a"	#3@12"	#3@12"	#4@12"	#4@9"	#5@8"	#5@6"	#6@6"	#6@6"	#7@6"	#6@6"	#7@7"	#7@6"	#8@5 1/2"	#8@6"	#8@6"	#8@5 1/2"	#9@6"
"b"	#3@12"	#3@12"	#4@12"	#4@9"	#5@8"	#5@6"	#6@6"	#6@6"	#7@6"	#8@6"	#9@7"	#9@6"	#10@5 1/2"	#8@6"	#8@6"	#8@5 1/2"	#9@6"
"c"	—	—	—	—	—	—	—	#4	#4	#4	#4	#4	#5	#5	#5	#5	#5

Maximum "MK"	4 R	5 R	6 R	7 R	8 R	9 R	10 R	11 R	12 R	13 R	14 R	15 R	16 R
L	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	5.5'	6.0'	6.5'	7.0'	7.5'	8.0'	8.5'
t	14"	14"	14"	14"	14"	14"	14"	14"	14"	18"	18"	18"	18"
"a"	#3@12"	#3@12"	#4@12"	#4@9"	#5@8"	#5@6"	#6@6"	#7@6"	#8@6"	#7@6"	#7@6"	#8@6"	#8@6"
"b"	#3@12"	#3@12"	#4@12"	#4@9"	#5@8"	#5@6"	#6@6"	#7@6"	#8@6"	#7@6"	#8@6"	#8@6"	#9@6"
"c"	—	—	—	—	—	—	—	#4	#4	#4	#4	#4	#5

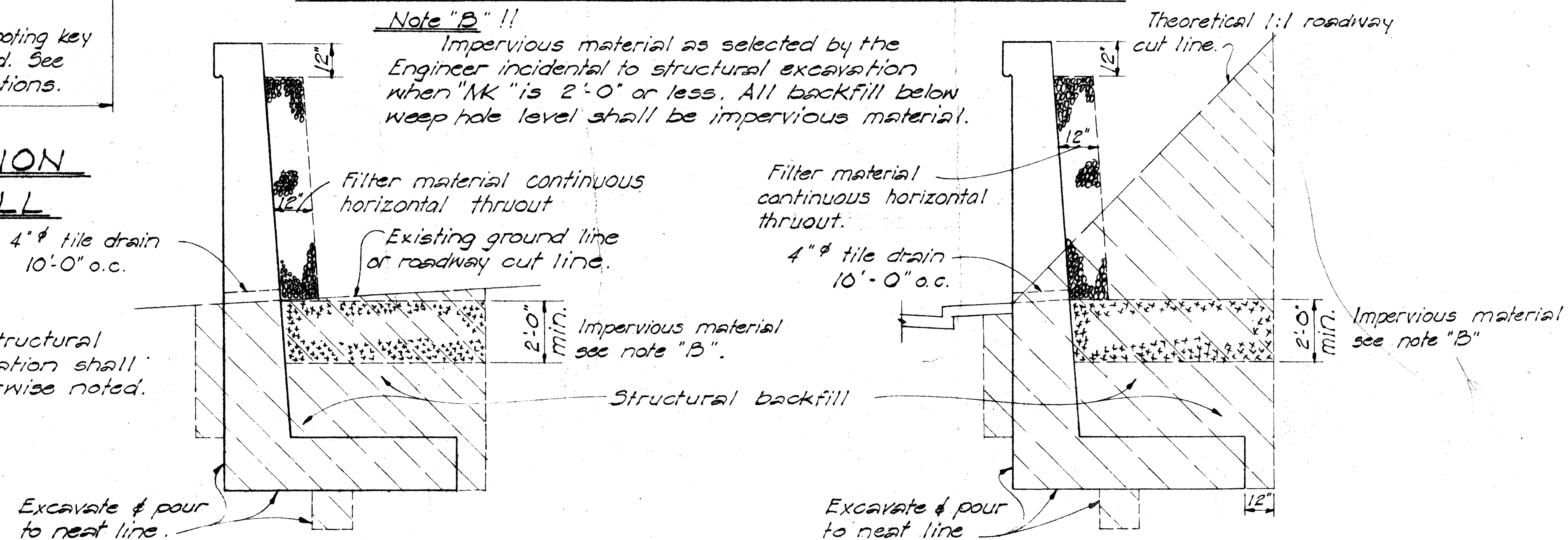


VERTICAL REINFORCING STEEL ARRANGEMENT

Note "B" !!
Impervious material as selected by the Engineer incidental to structural excavation when "MK" is 2'-0" or less. All backfill below weep hole level shall be impervious material.

TYPICAL SECTION TYPE "L-1" WALL

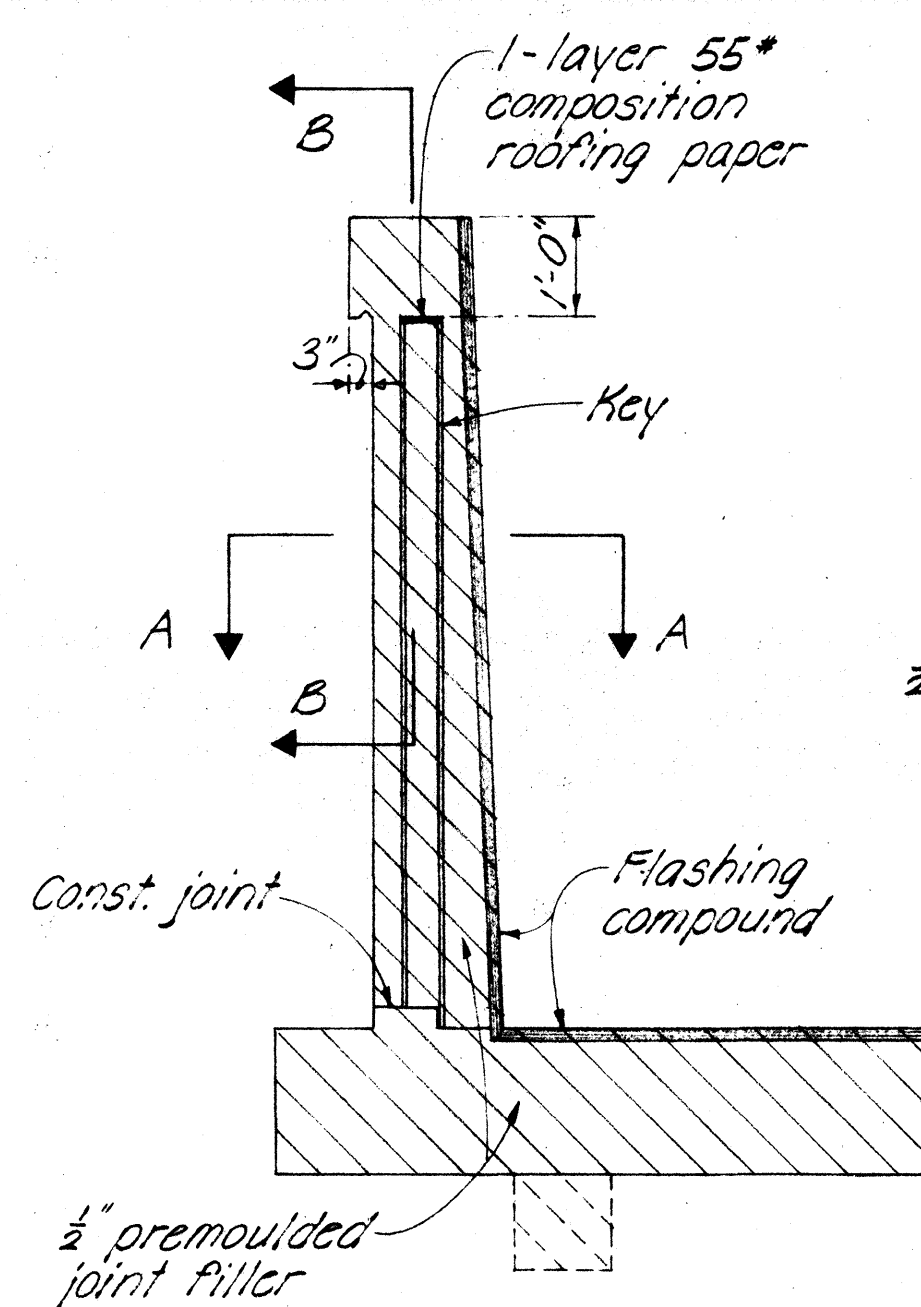
Note:
Hatched areas denotes limits of structural excavation pay line. All other excavation shall be roadway excavation except as otherwise noted.



STRUCTURAL EXCAVATION & DRAINAGE DETAILS

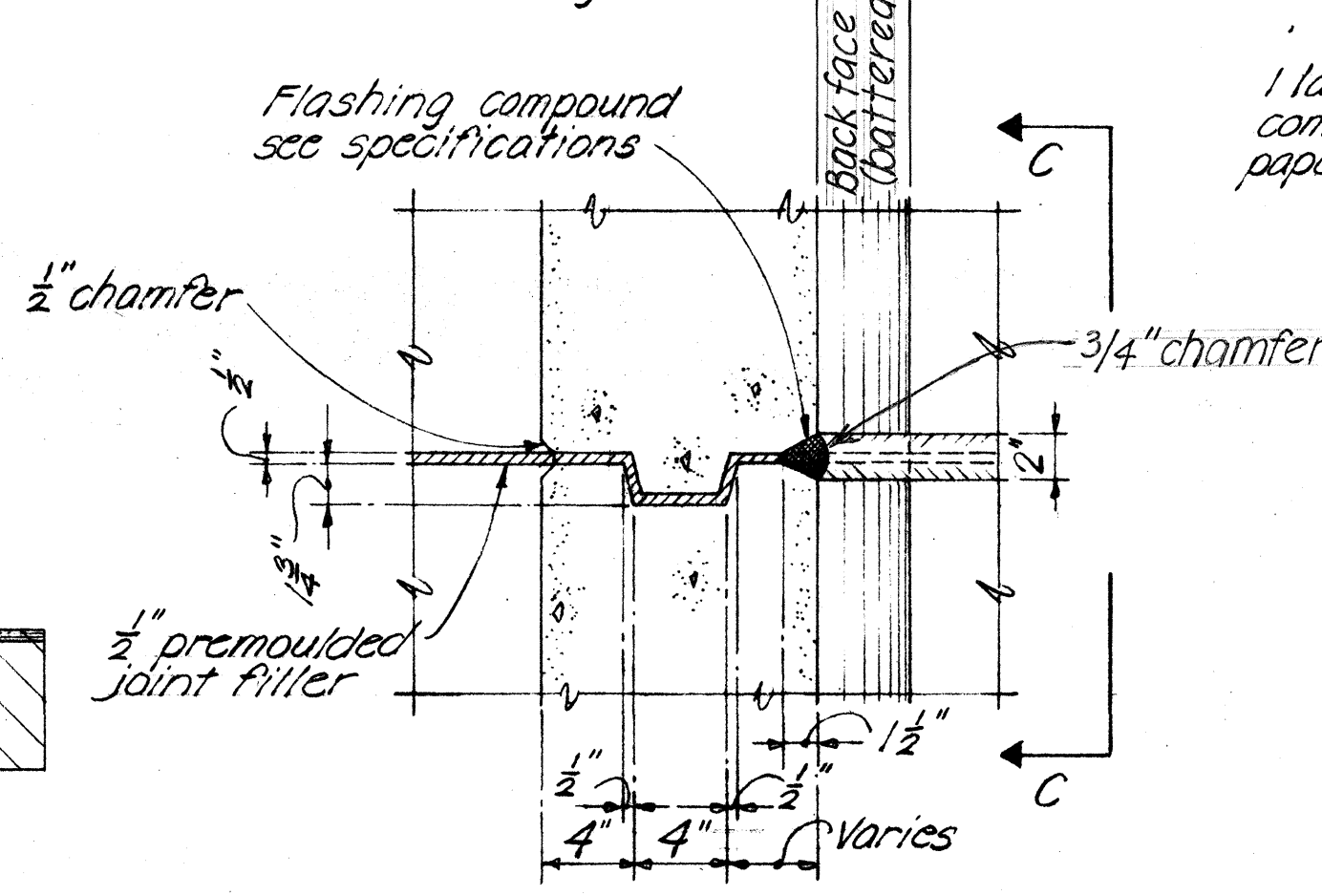
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1967	37	76

PROJECT NO. B-900-01-64 UNIT I

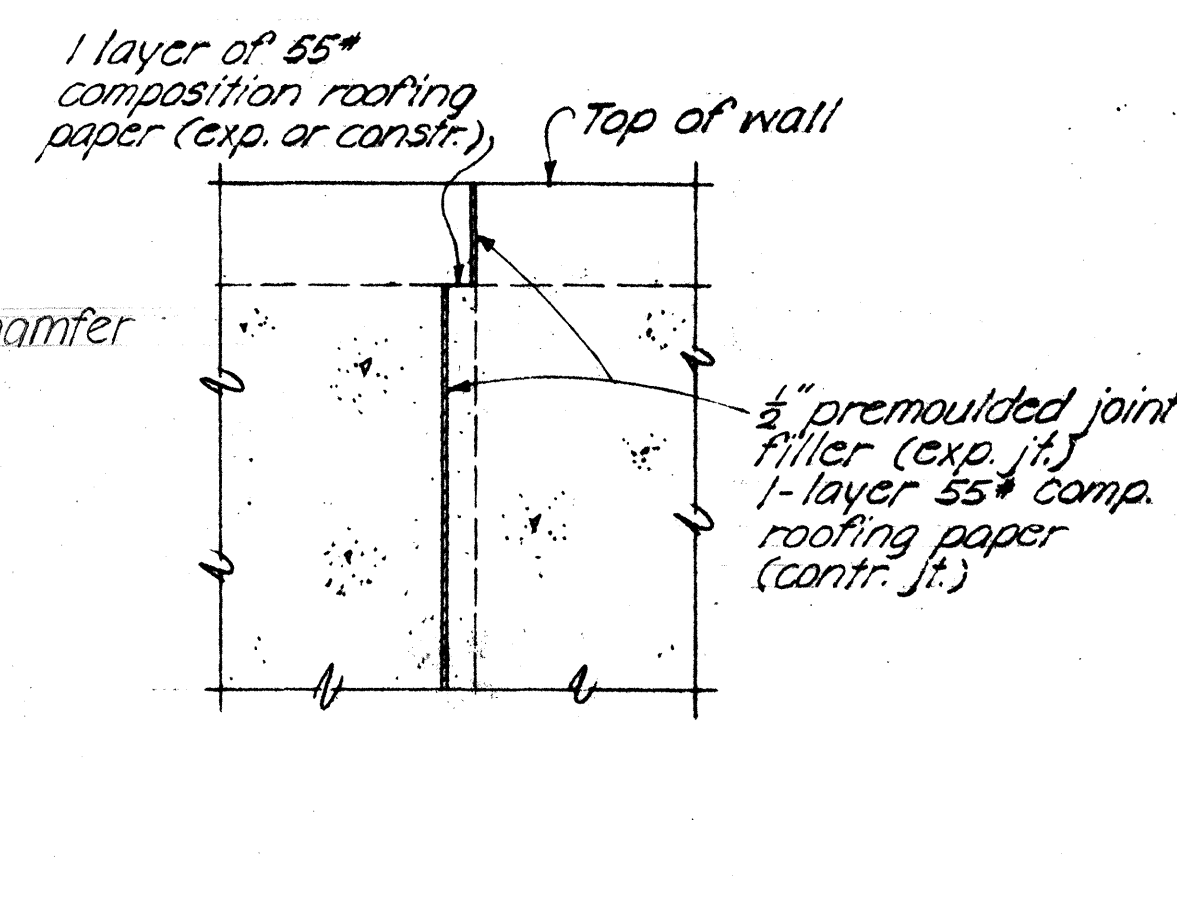


JOINT ELEVATION

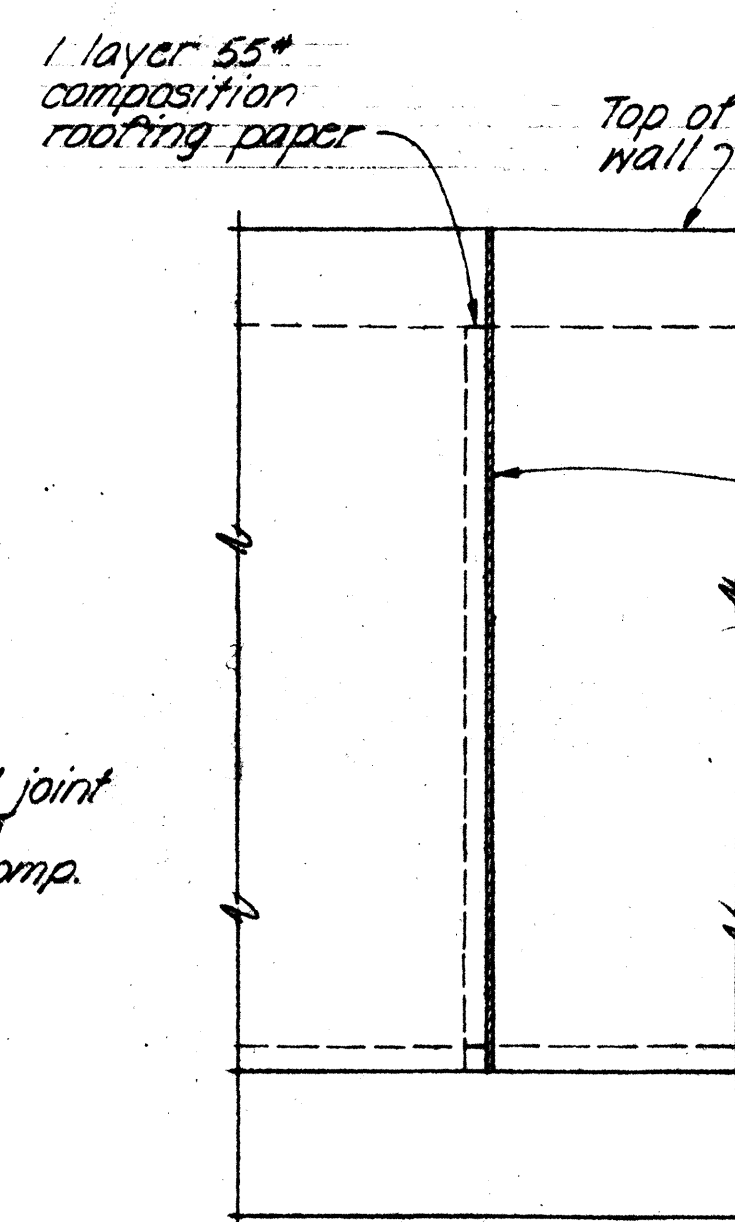
NOTE
Spacing of joints
Exp. = 90'-0" max.
Contr. = 30'-0" max.
For alternate contraction joint and control joint details see Standard Bridge Details.



SECTION A-A

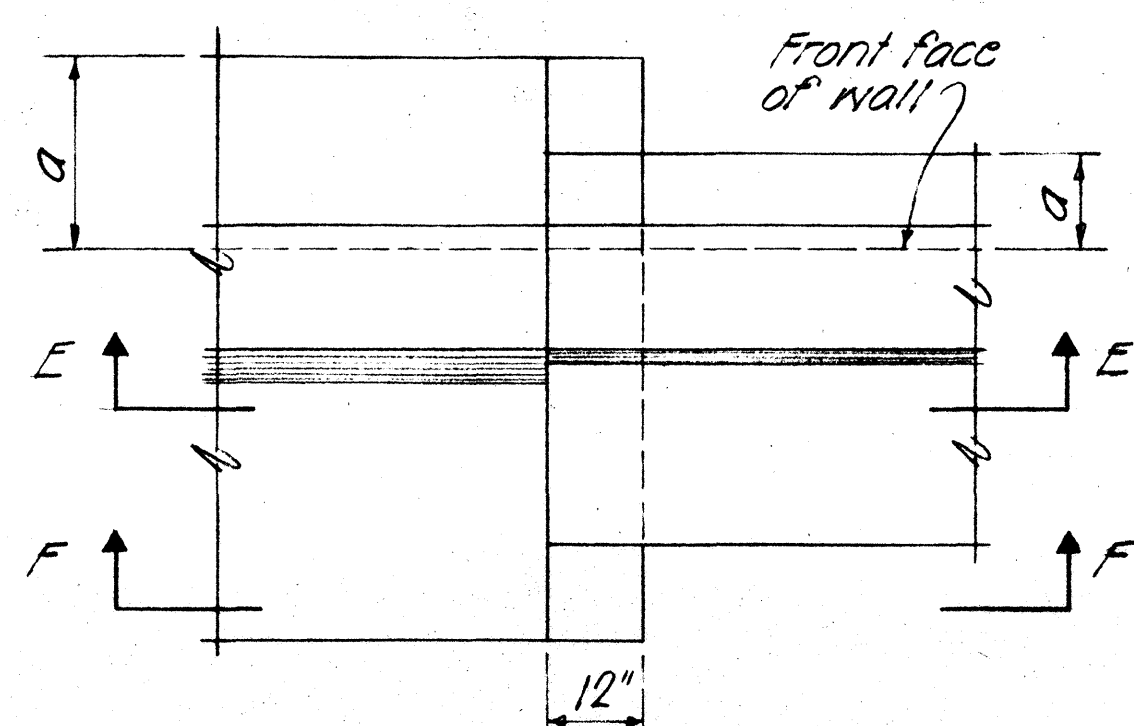


SECTION B-B

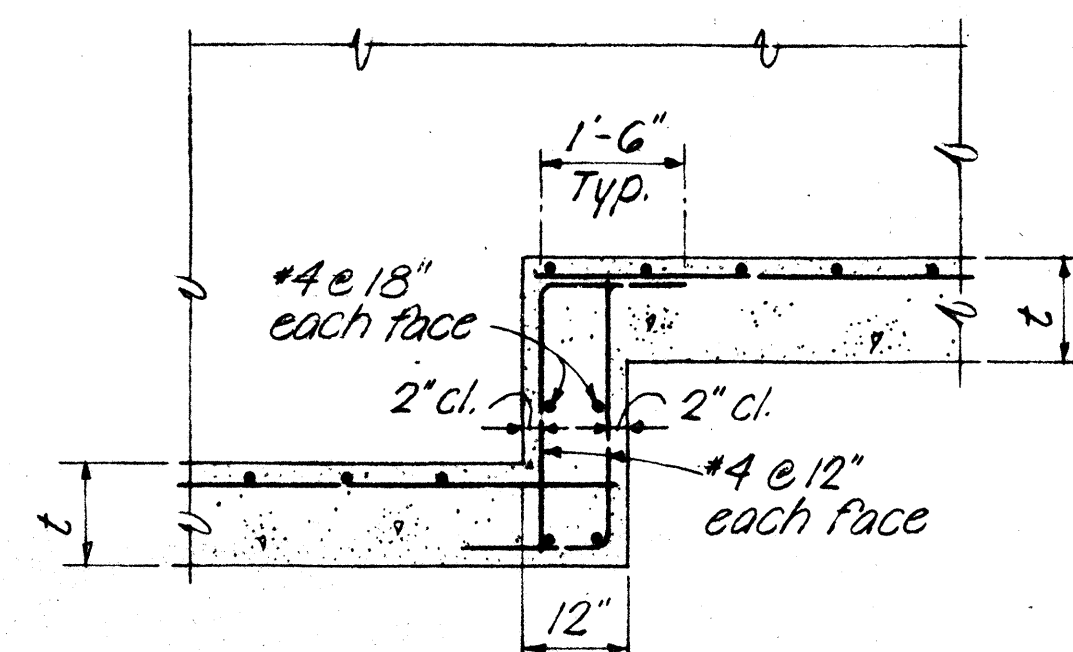


SECTION C-C

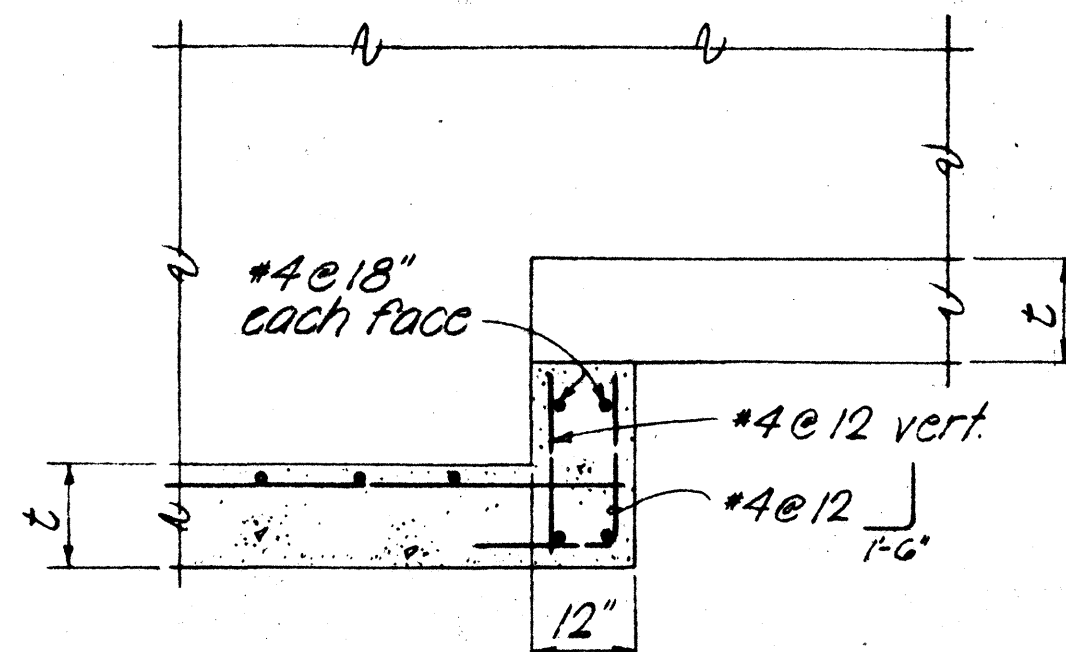
TYPICAL EXPANSION JOINT DETAILS No Scale



PLAN

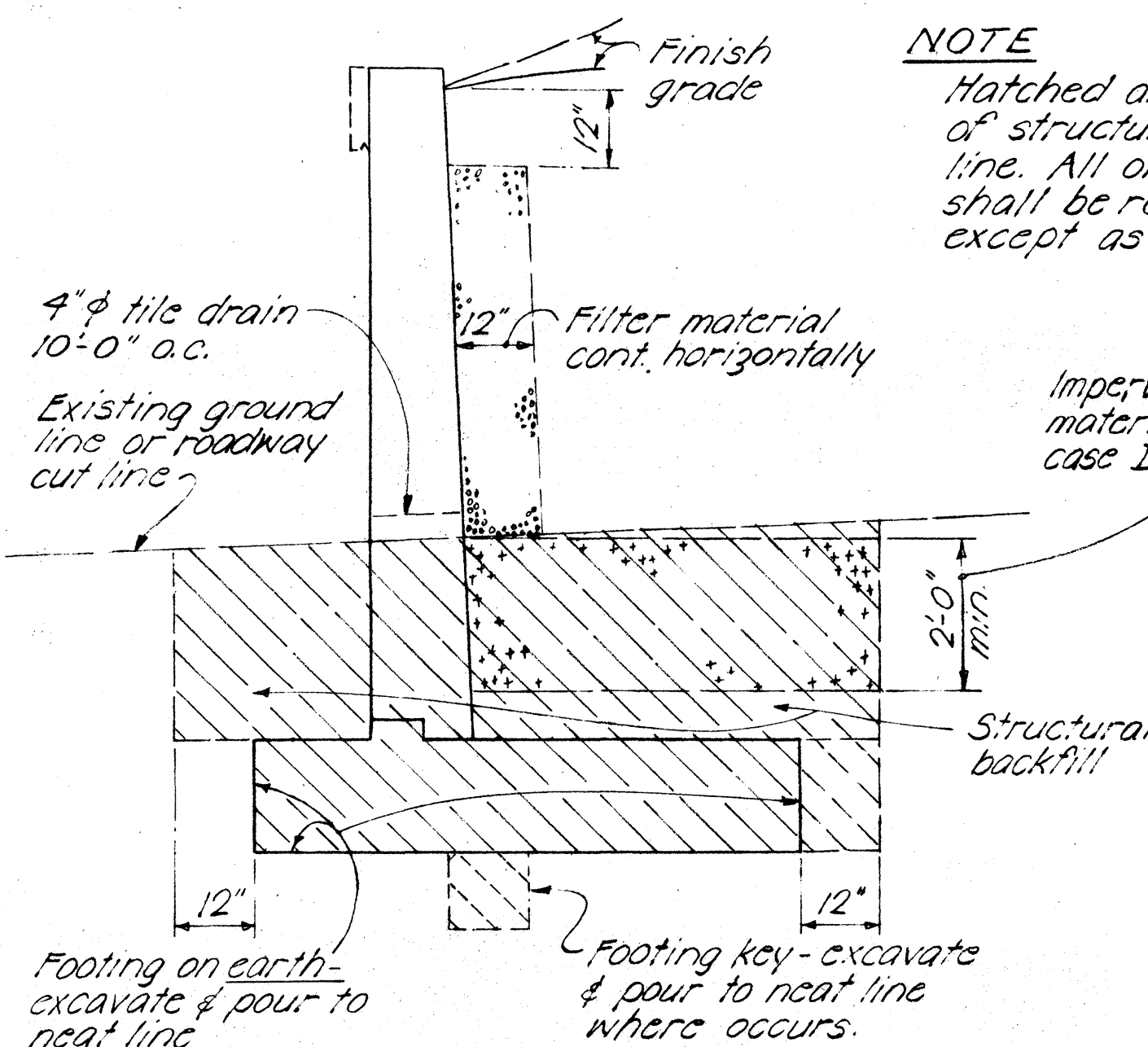


SECTION E-E



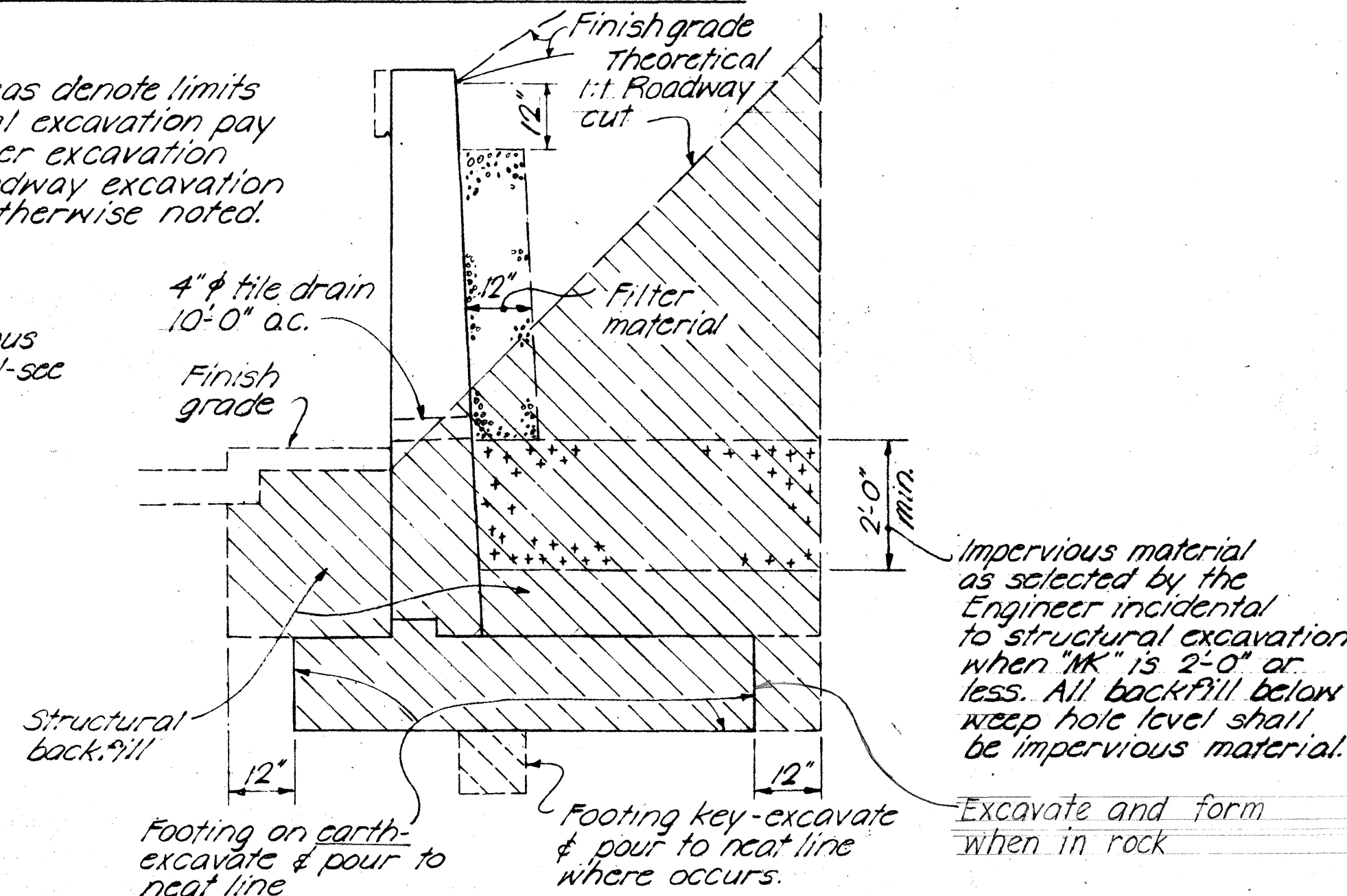
SECTION F-F

FOOTING STEP-UP DETAILS No Scale



CASE I

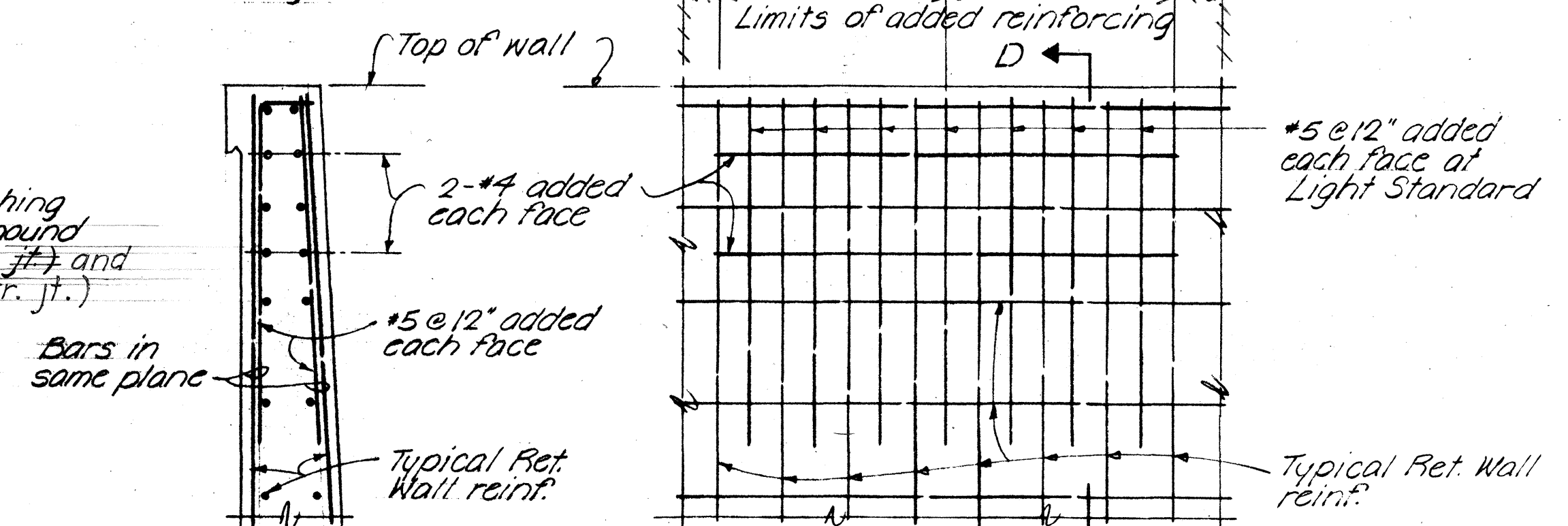
NOTE
Hatched areas denote limits of structural excavation pay line. All other excavation shall be roadway excavation except as otherwise noted.



CASE II

STRUCTURAL EXCAVATION & DRAINAGE DETAILS No Scale

NOTE:
Limits of added reinf.
Height 0'-18' L = 4'-0"
Height 19'-30' L = 6'-0"



SECTION D-D

TYPICAL ADDED REINFORCEMENT AT LIGHT STANDARD BASE No Scale

ELEVATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
RETAINING WALL TYPE T-1

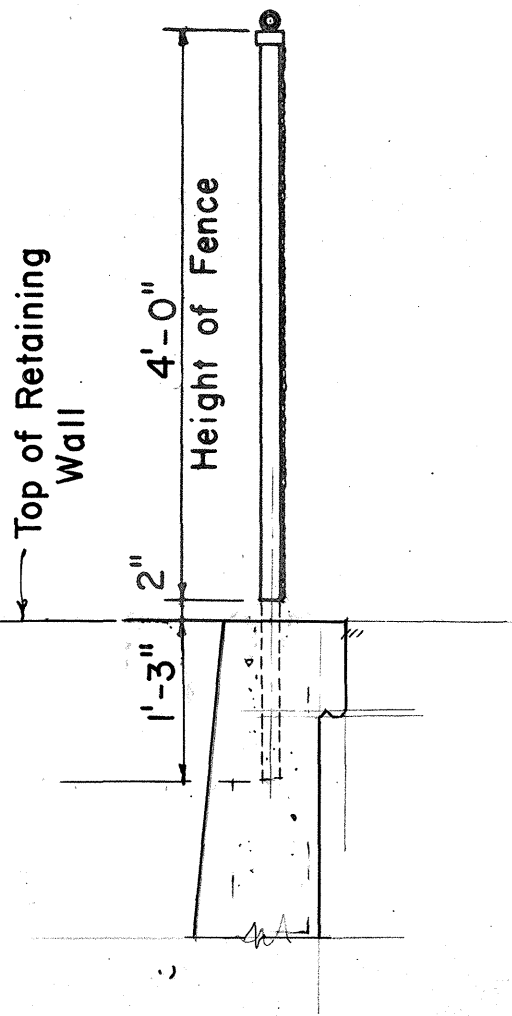
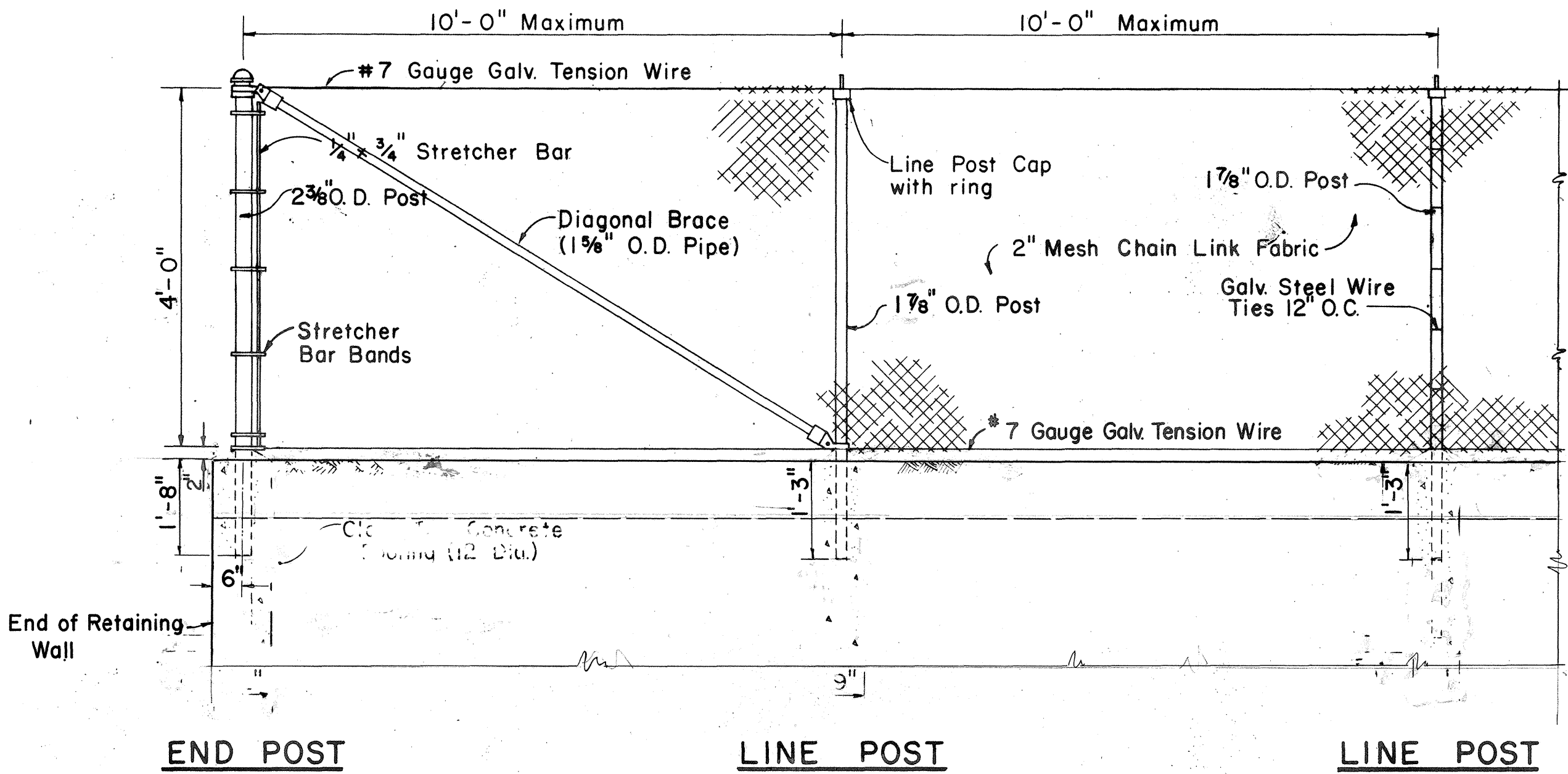
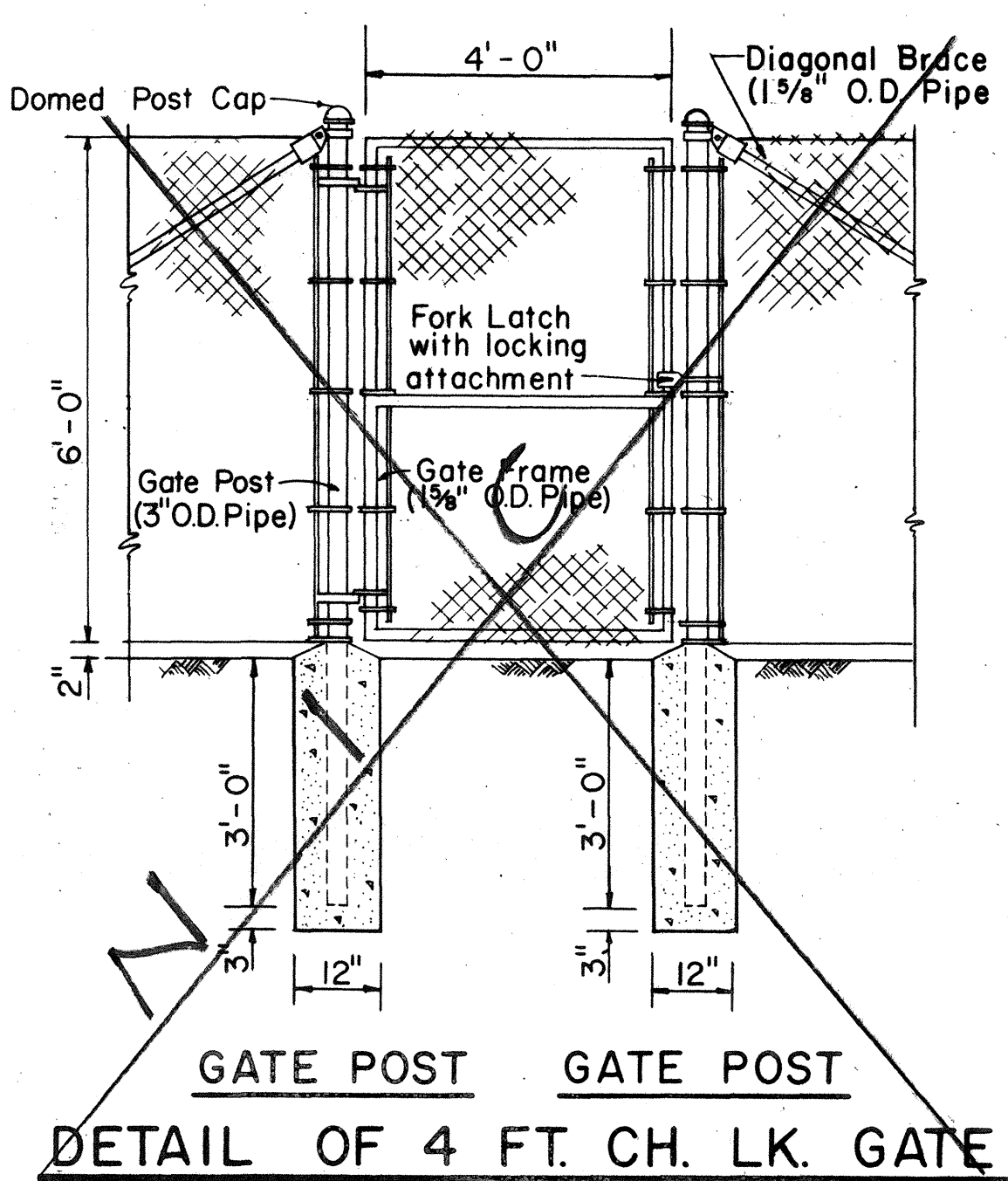
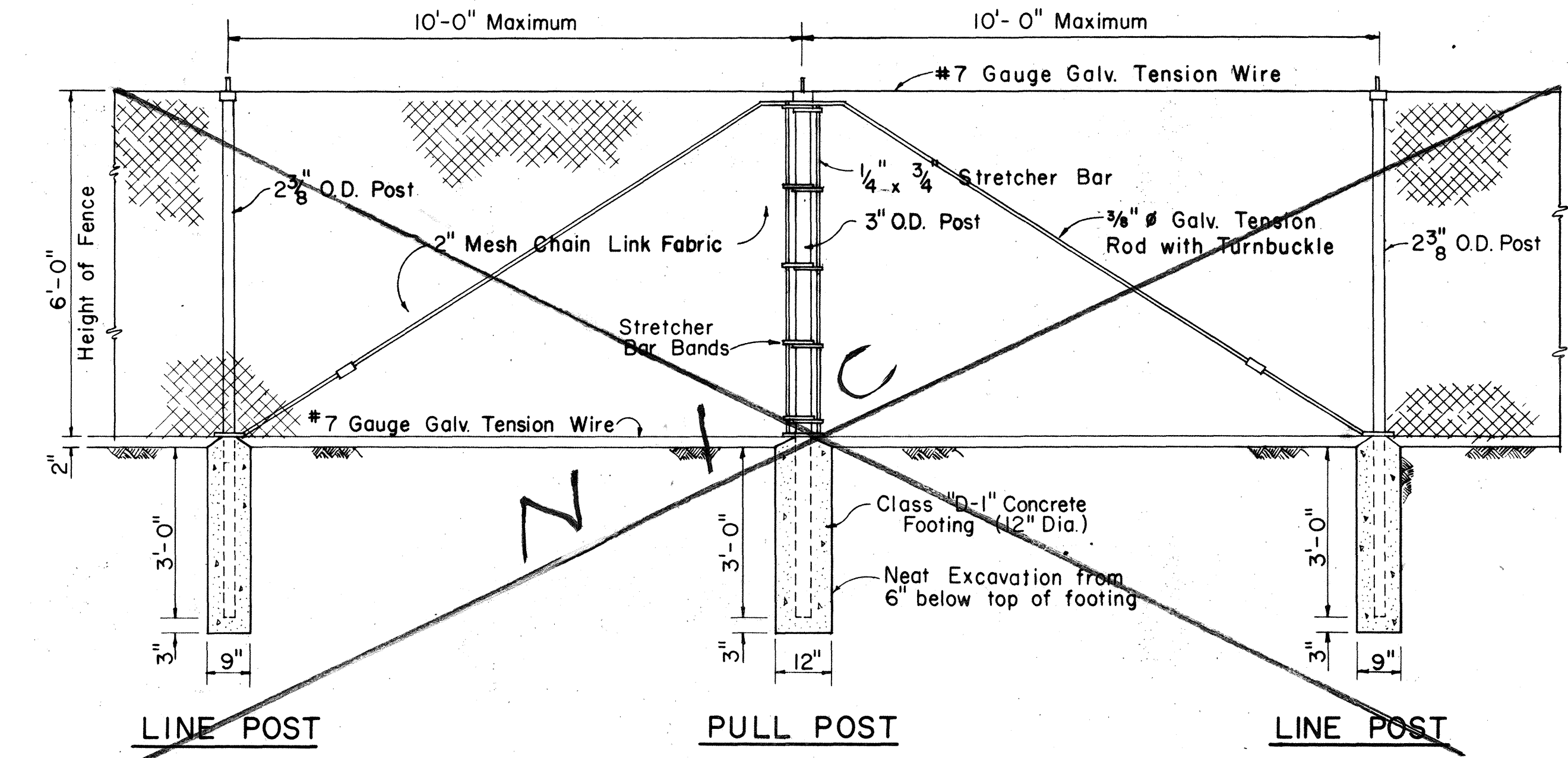
FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64

SCALE AS NOTED DATE: SHEET No. 4 OF 5 SHEETS

337

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1967	38	76

PROJECT NO. B-900-01-64 UNIT I



NOTE: O.D. refers to outside diameter.

CHAIN LINK FENCE DETAILS

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS

FARRINGTON HIGHWAY WIDENING
PROJECT B-900-01-64
Scales: As Noted UNIT I Date:
SHEET No. 5 OF 5 SHEETS