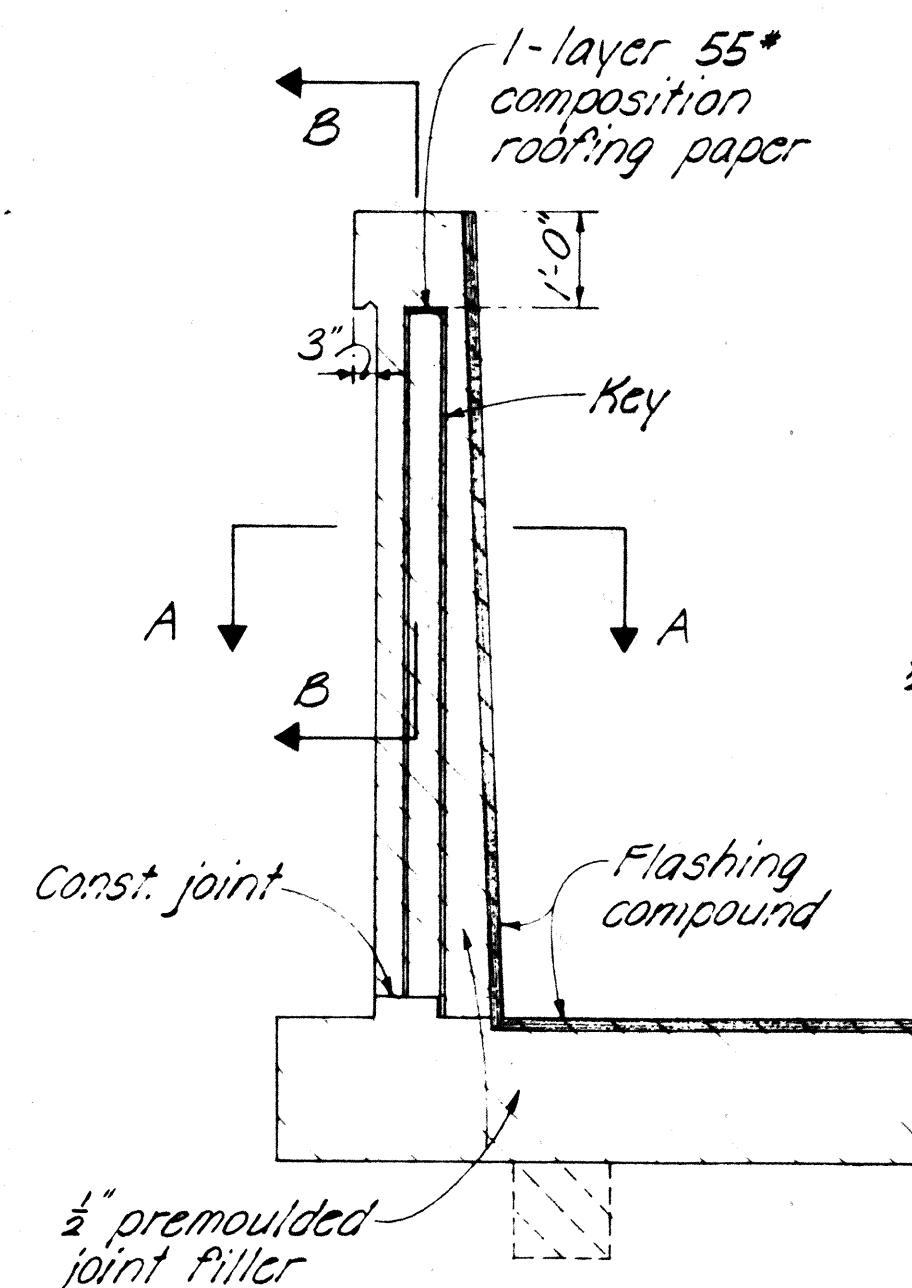


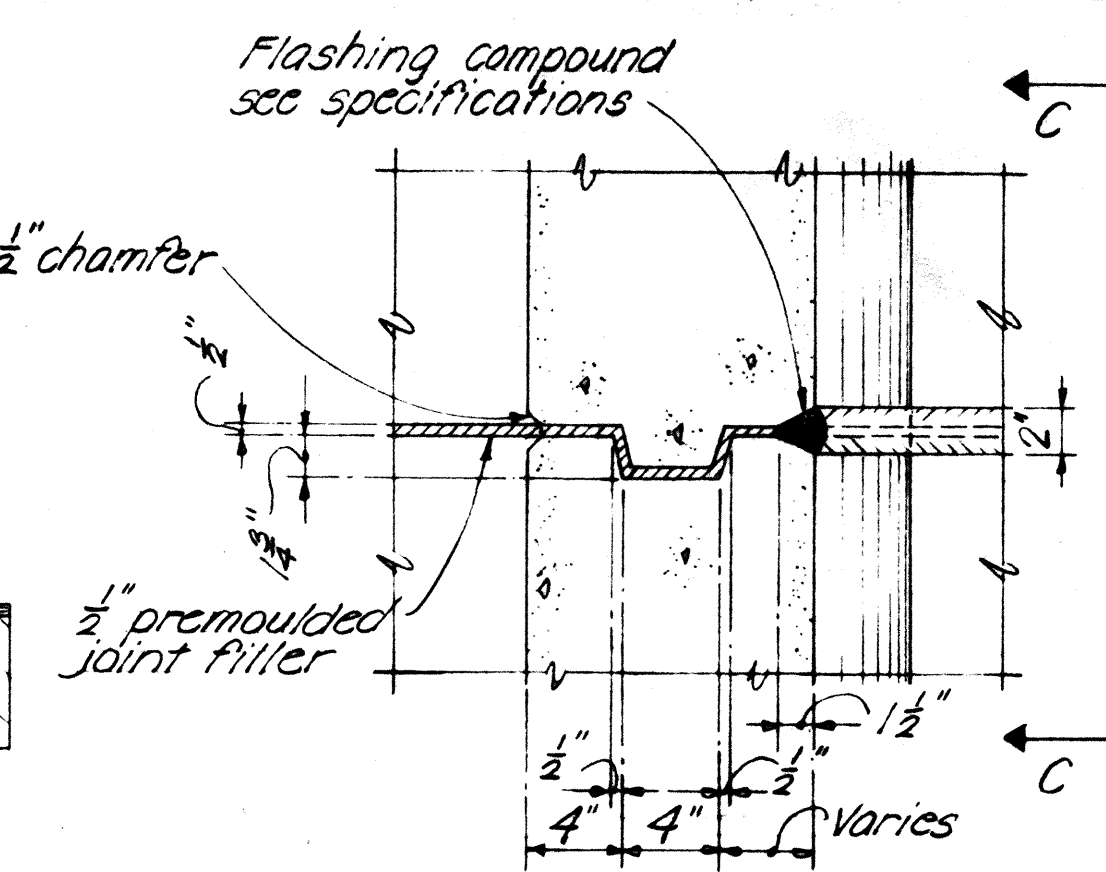
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-090-1(16)	1968	7	50

June 1968
Sept 1968

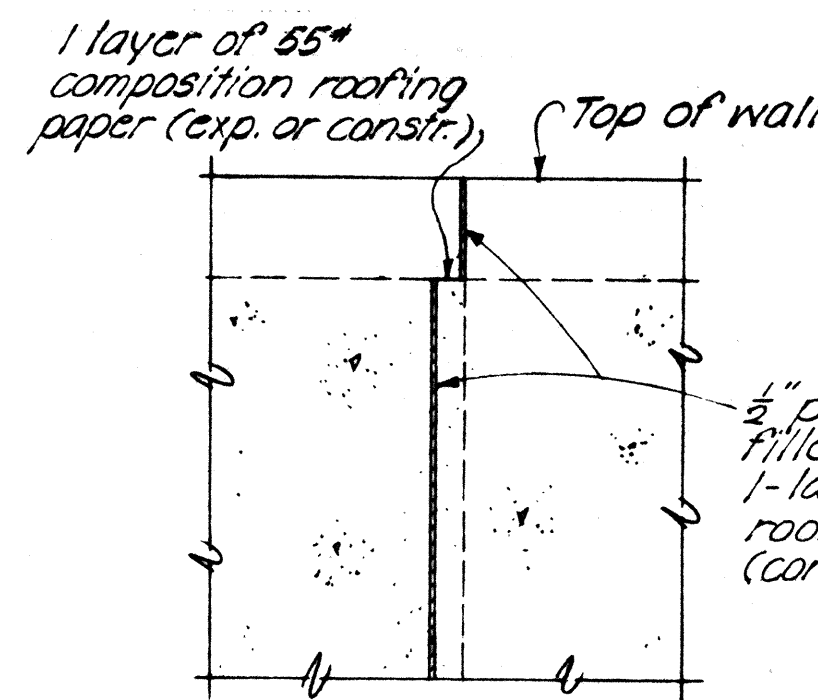


JOINT ELEVATION

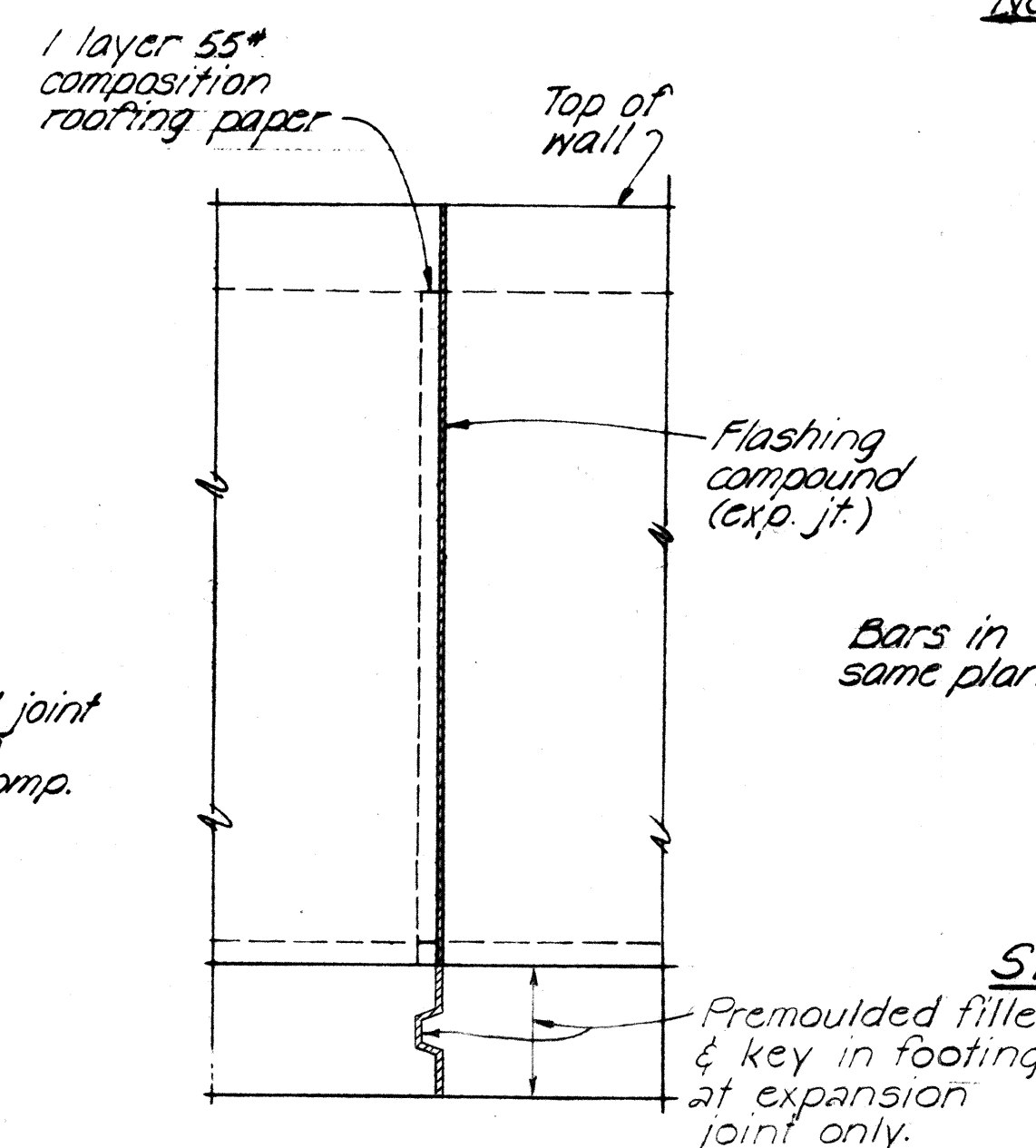
NOTE
Spacing of joints
Expansion = 30'-0" max.
Contraction = 30'-0" max. except where conc. railing or curb occurs 26'-8" max. (match with railing joint above.)
For alternate contraction joint and control joint details - See Detail below.



SECTION A-A

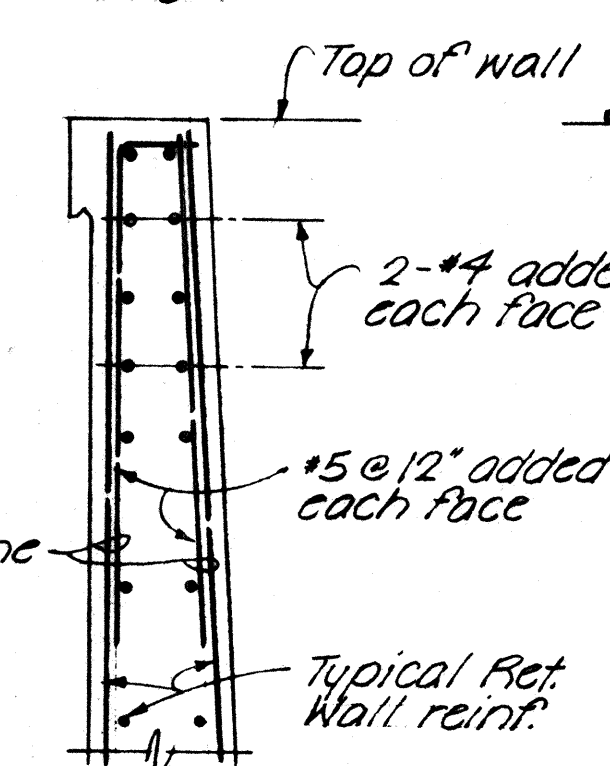


SECTION B-B

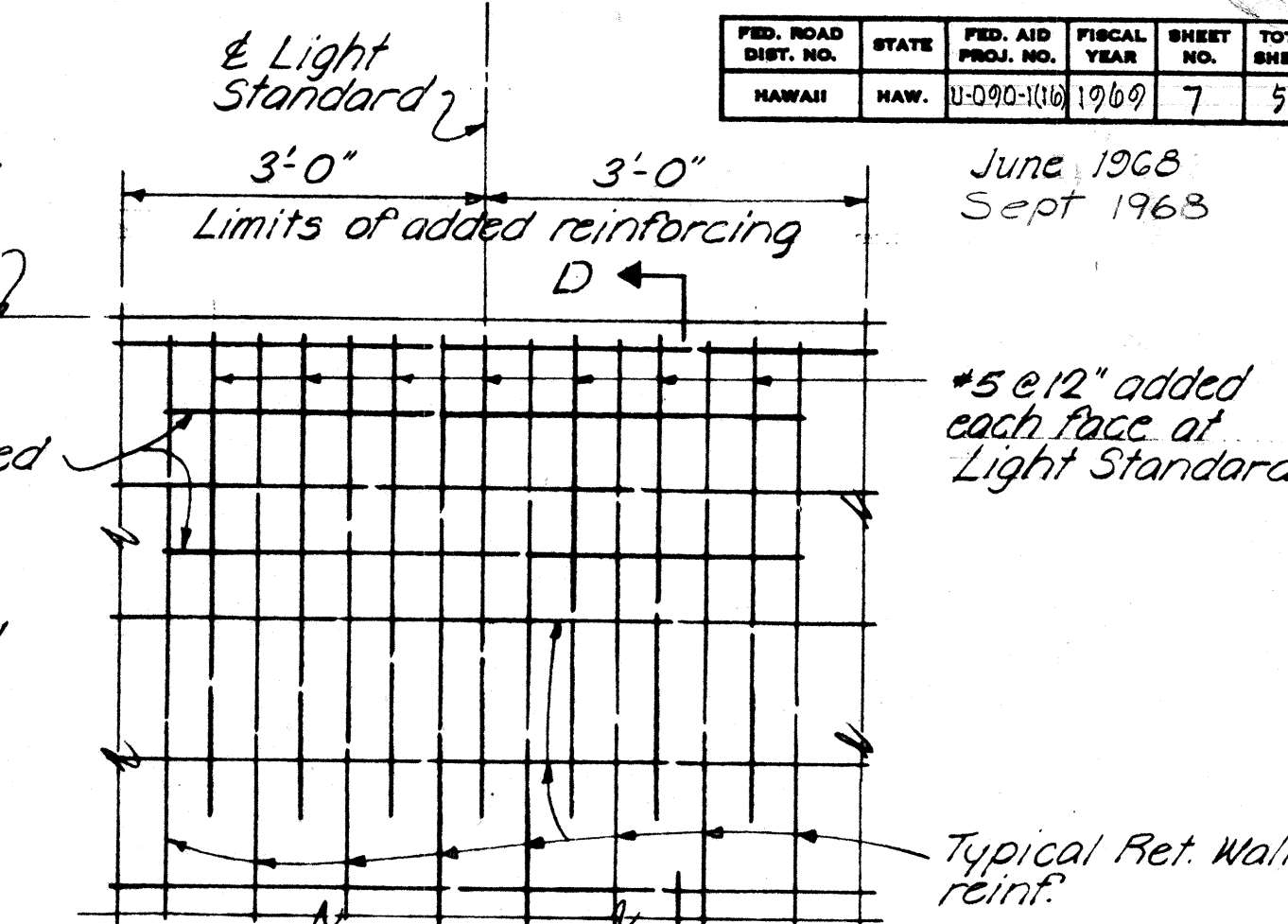


SECTION C-C

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

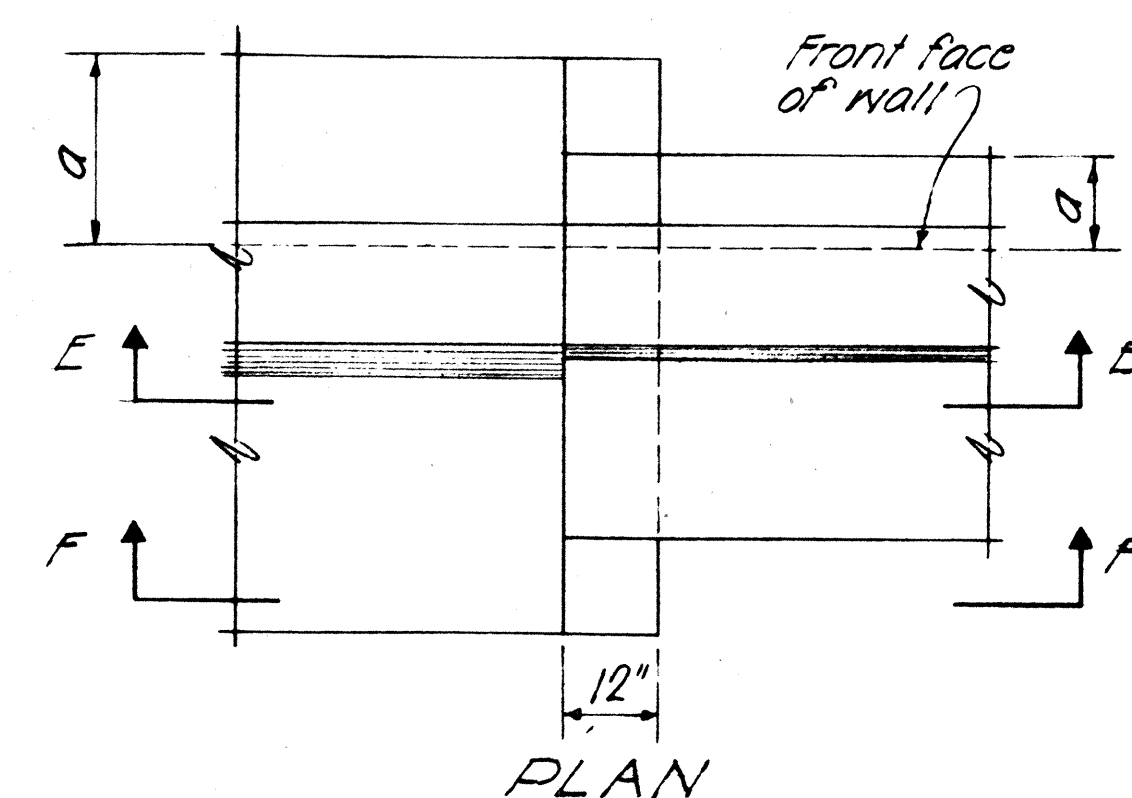


SECTION D-D

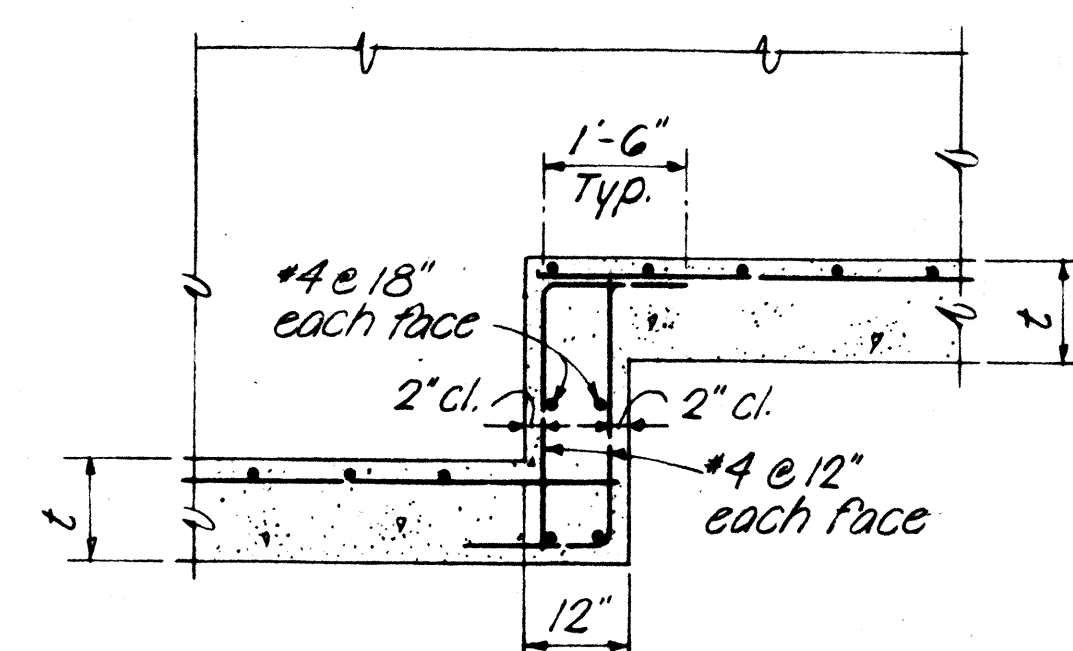


ELEVATION

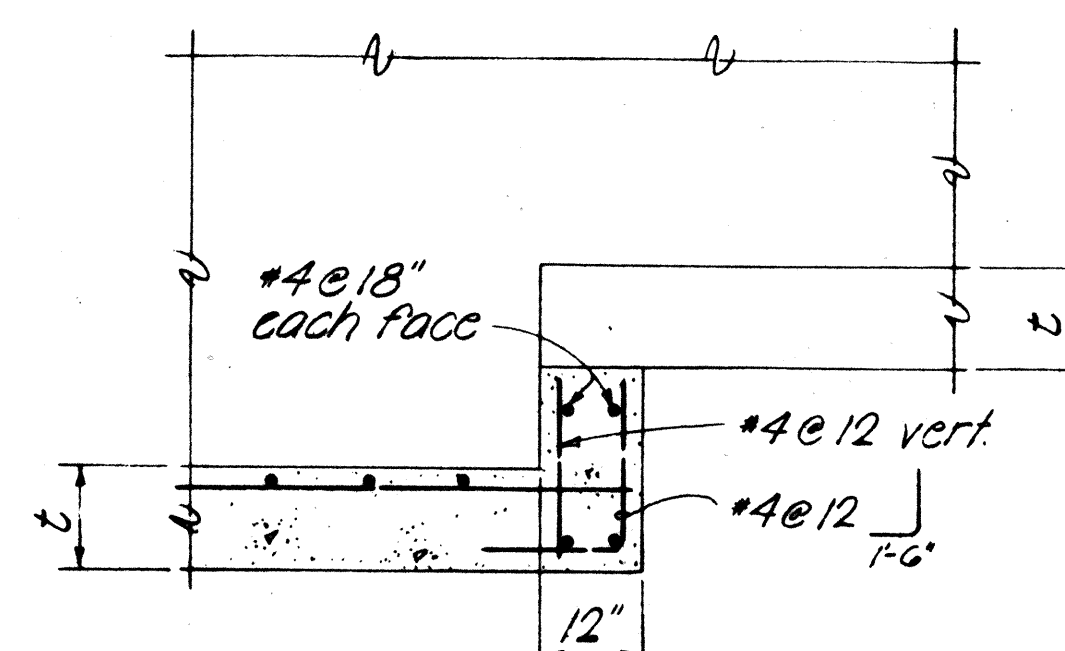
**TYPICAL ADDED REINFORCEMENT
AT LIGHT STANDARD BASE** No Scale



PLAN

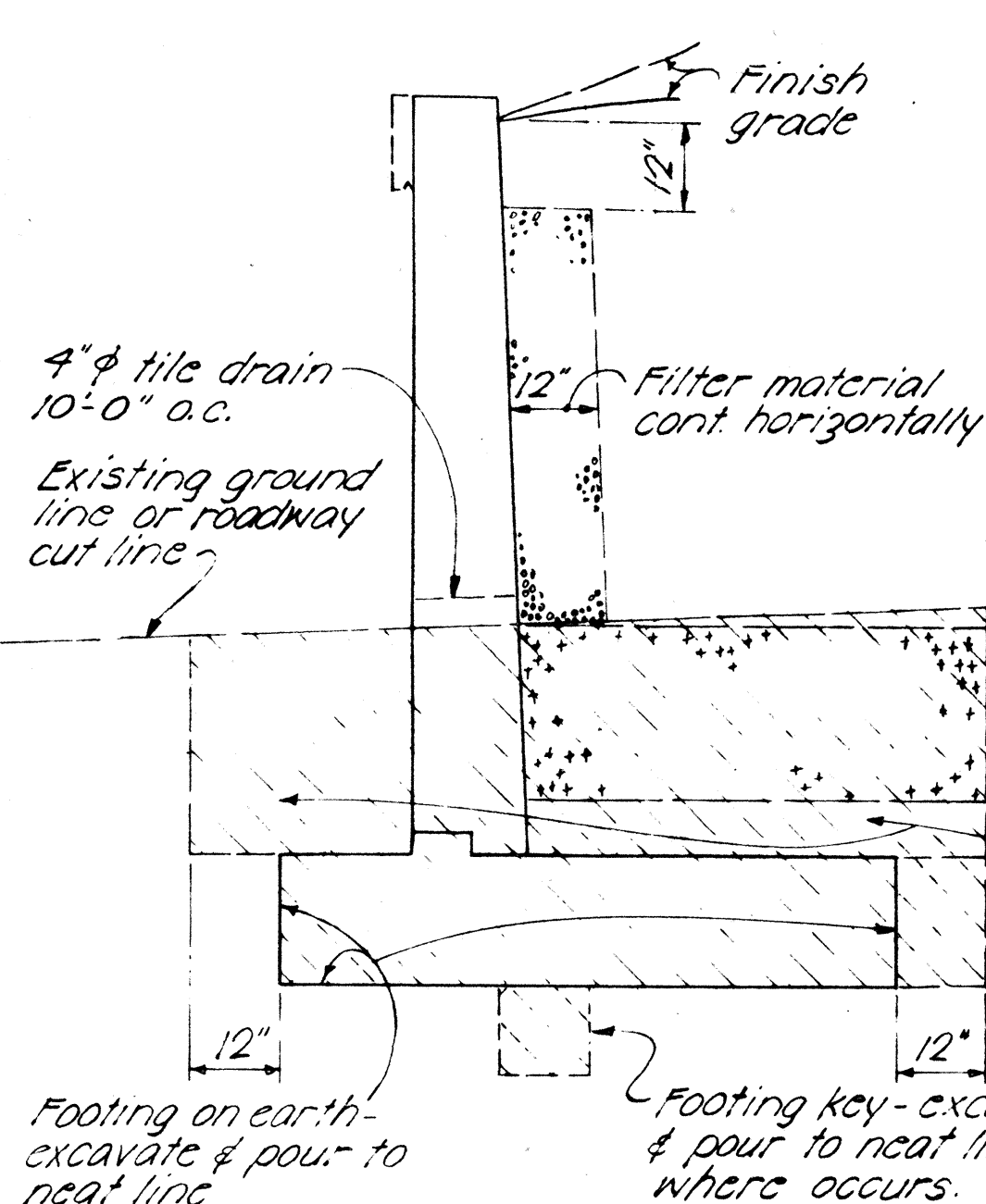


SECTION E-E



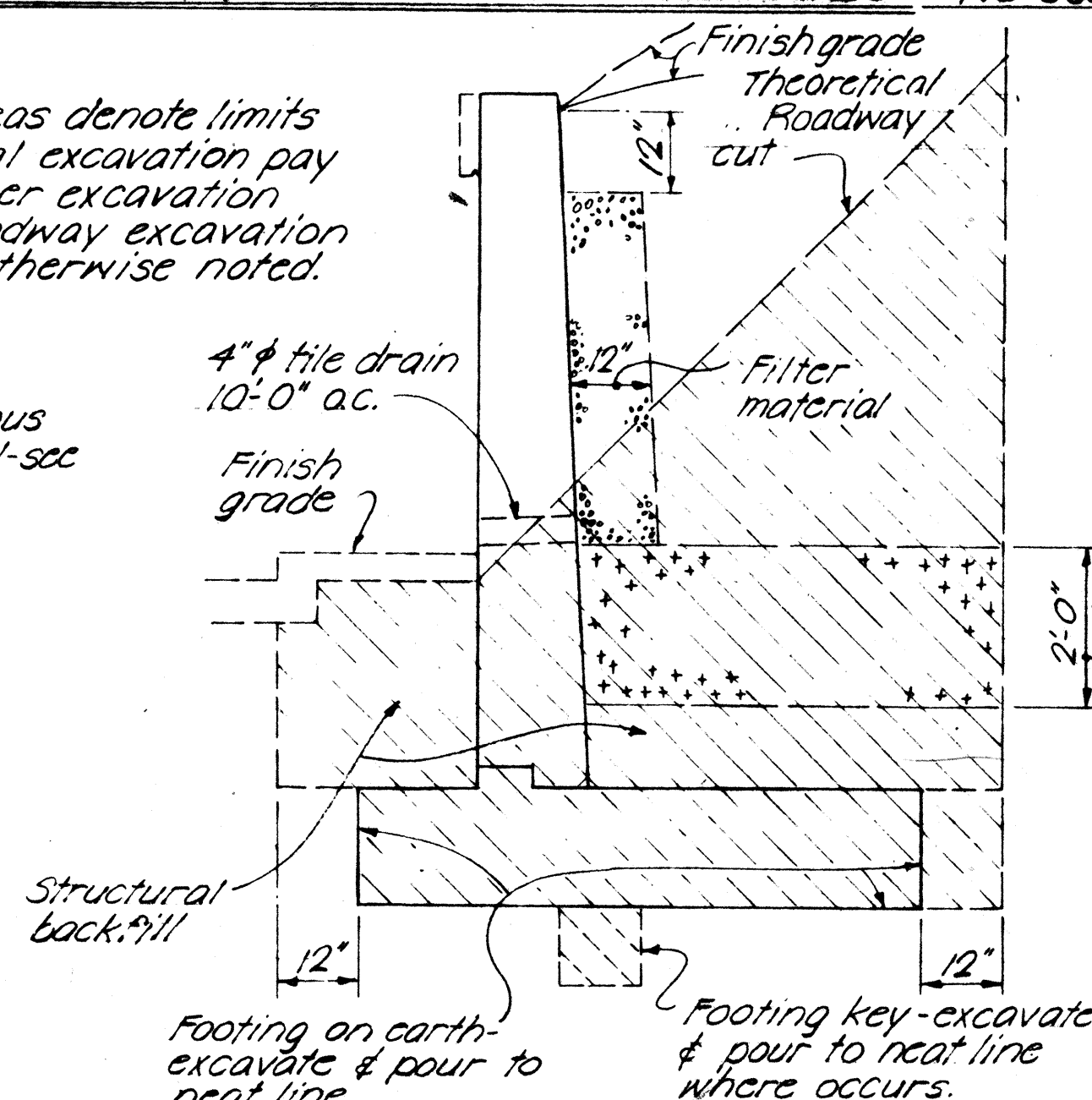
SECTION F-F

FOOTING STEP-UP DETAILS No Scale



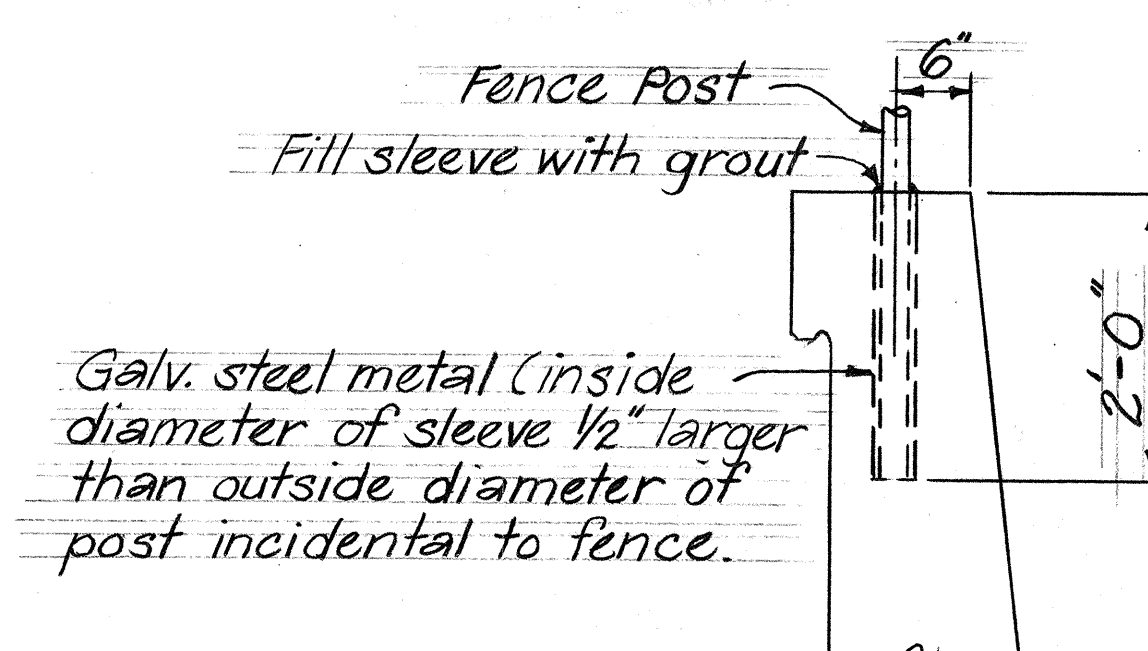
CASE I

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

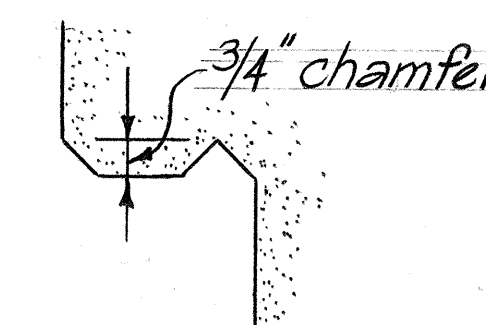


CASE II

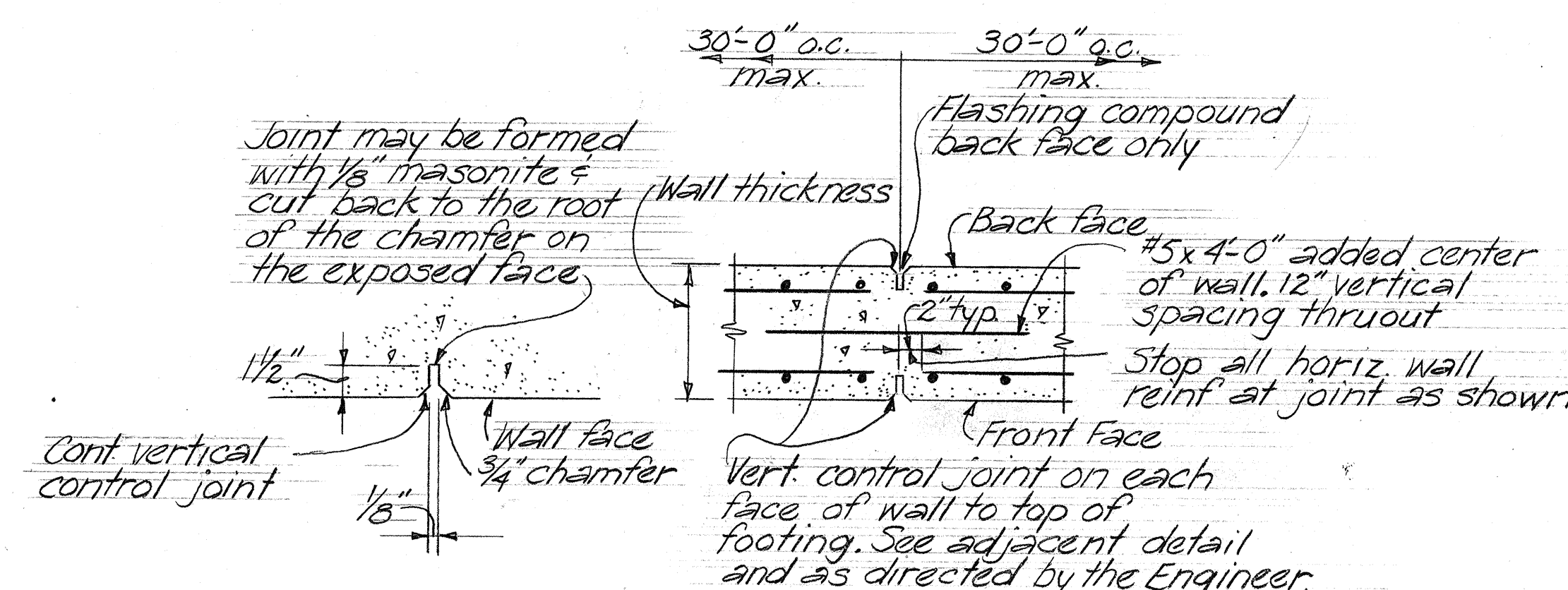
STRUCTURAL EXCAVATION & DRAINAGE DETAILS No Scale



CHAIN LINK FENCE
POST DETAIL



TYPICAL DRIP DETAIL

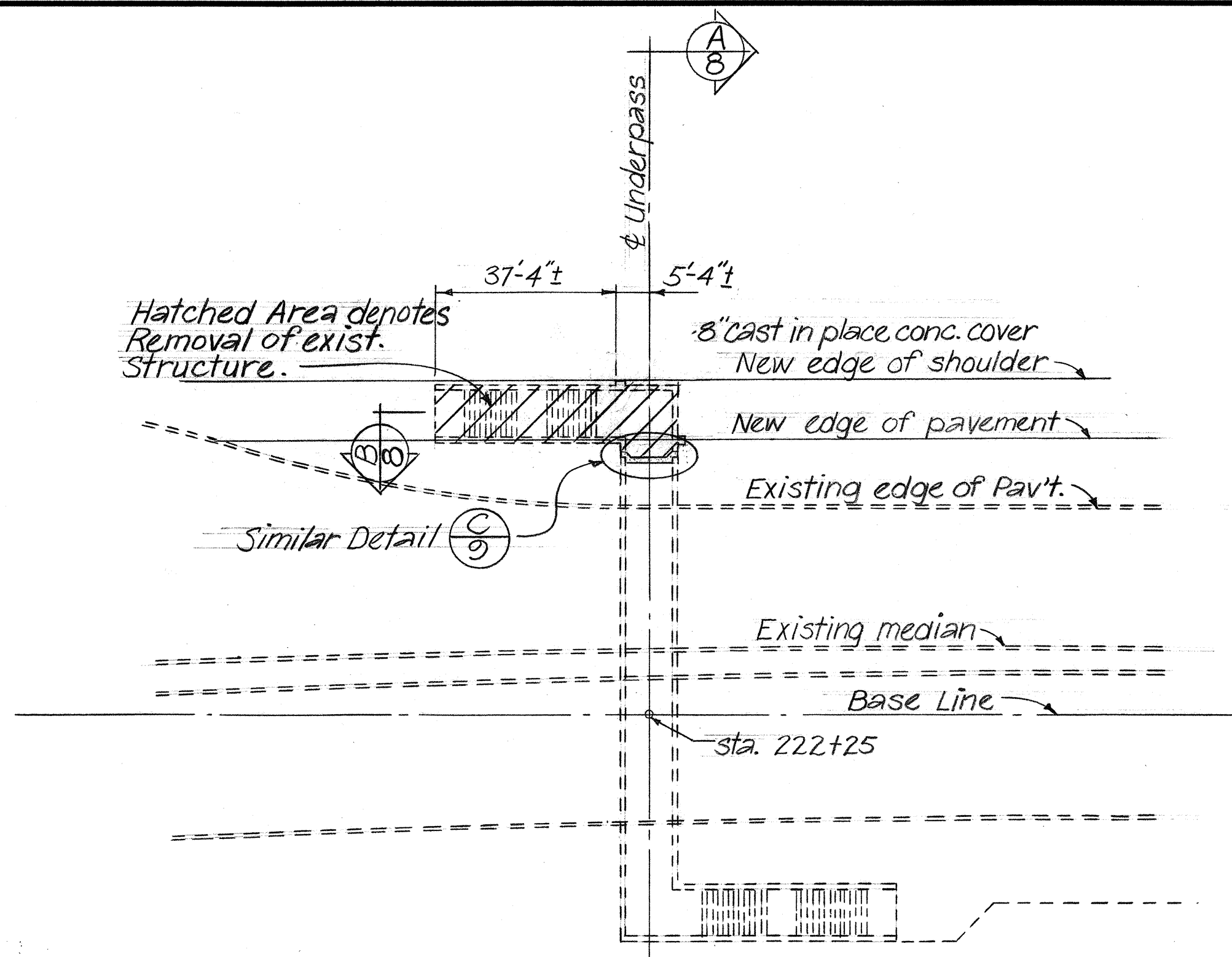


ALTERNATE CONTRACTION & CONTROL JT. DETAIL

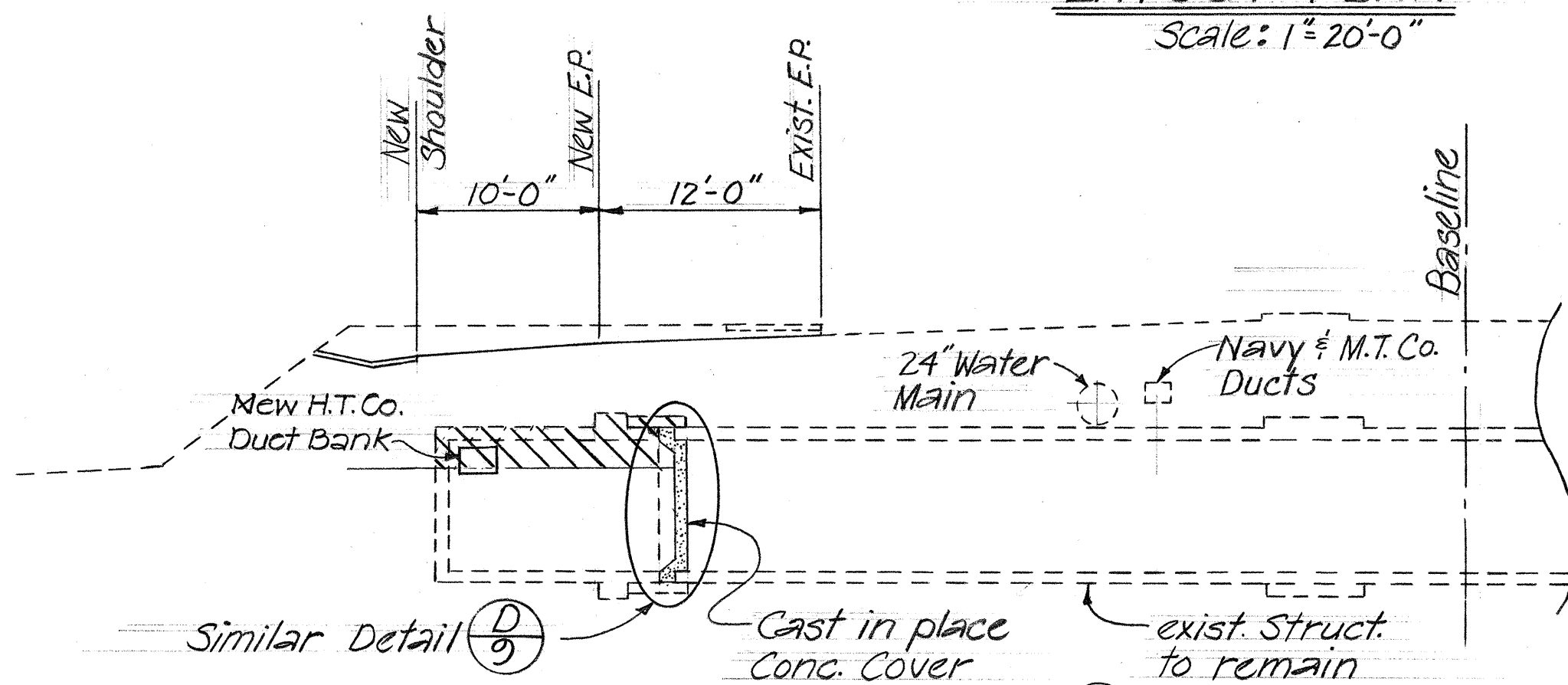
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
STANDARD DETAILS
RETAINING WALL
PROJ. NO. U-090-1(16)
SCALE AS NOTED DATE: JUNE 1968
SHEET No. 7 OF 4 SHEETS

DATE	
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	

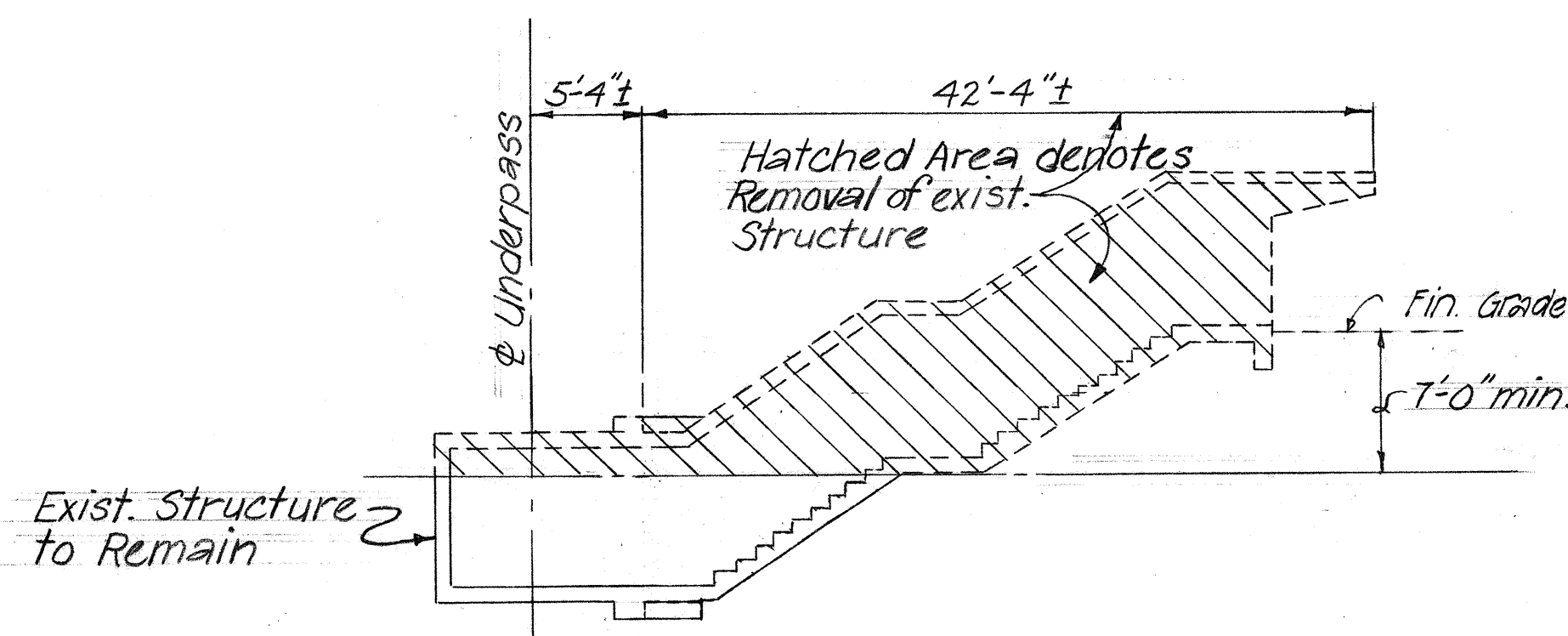
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-090-1(16)	1969	8	50



LAYOUT PLAN
Scale: 1" = 20'-0"



SECTION (A)
Scale: 1/8" = 1'-0"



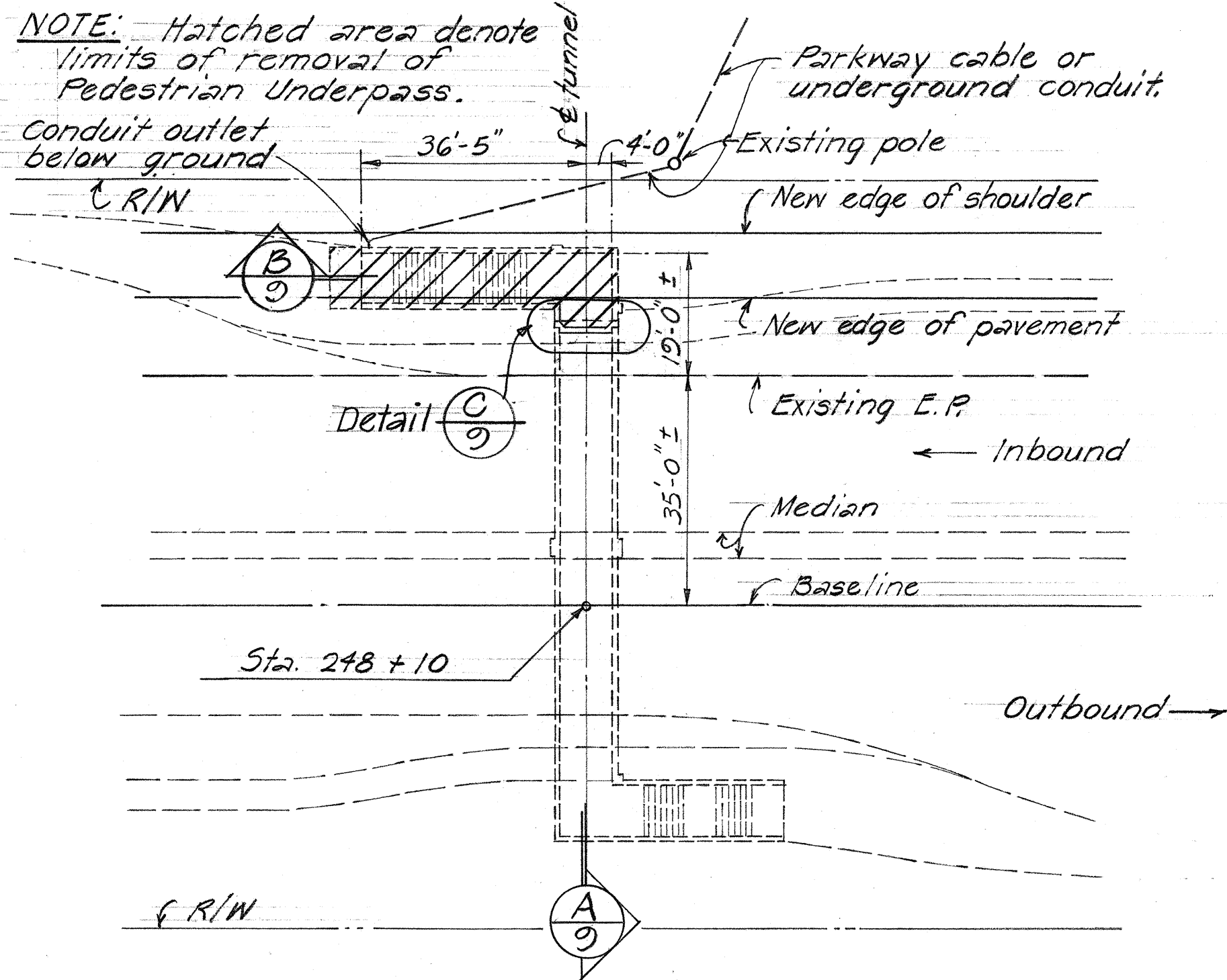
SECTION (B)
Scale: 1/8" = 1'-0"

NOTE:
The Contractor shall verify the location of all existing utility lines and notify the respective owners before commencing work of excavation.

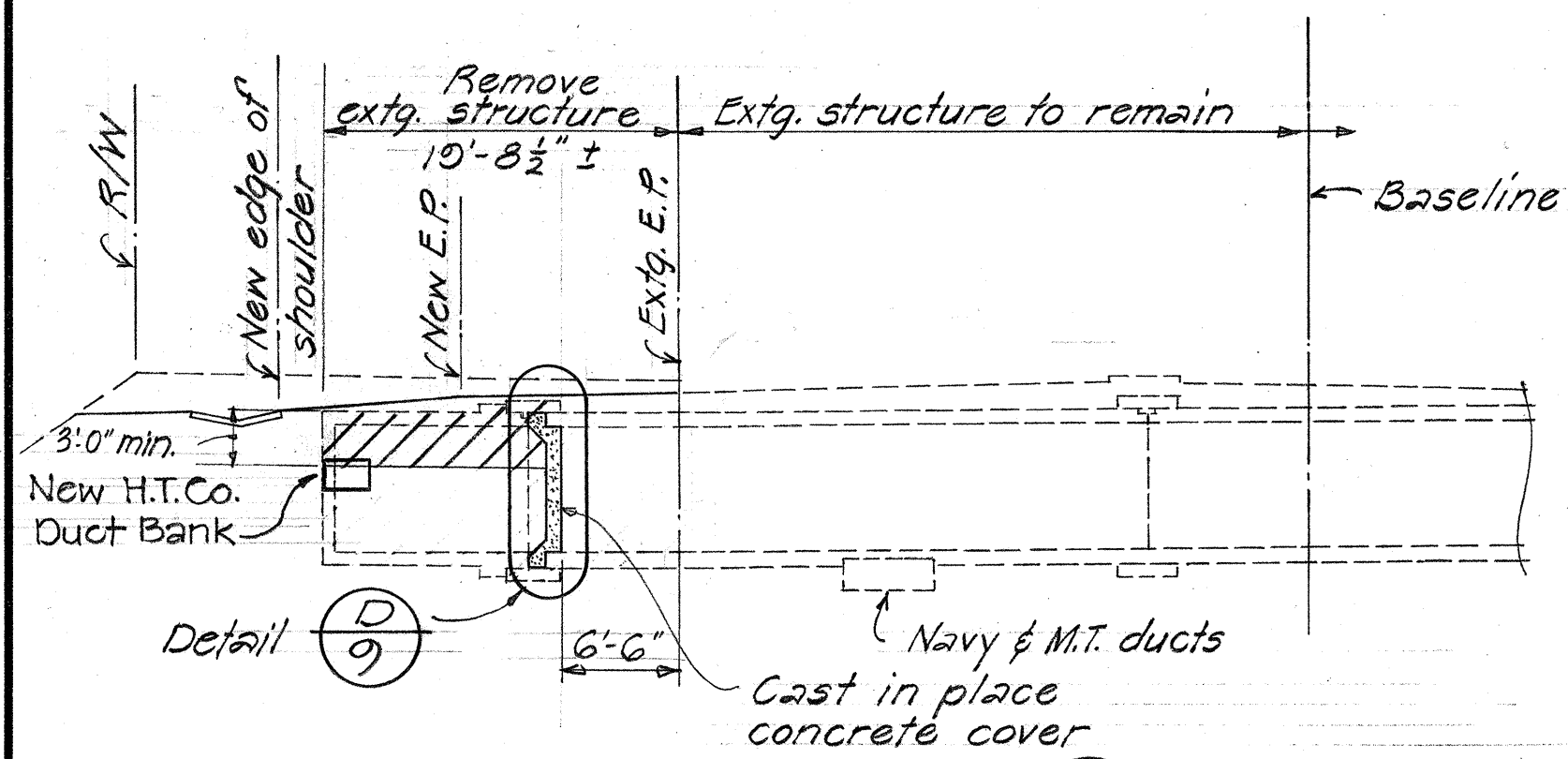
CONCRETE COVER	
ESTIMATED QUANTITIES	
CLASS A CONC.	L.S. (30 C.Y.)
REINF. STEEL	L.S. (520.0 Lbs.)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SEALING EXIST. PEDESTRIAN UNDERPASS - KAM HWY.
STA. 222+25
PROJECT NO. U-090-1(16)
Scale as shown
SHEET No. 3 OF 4 SHEETS

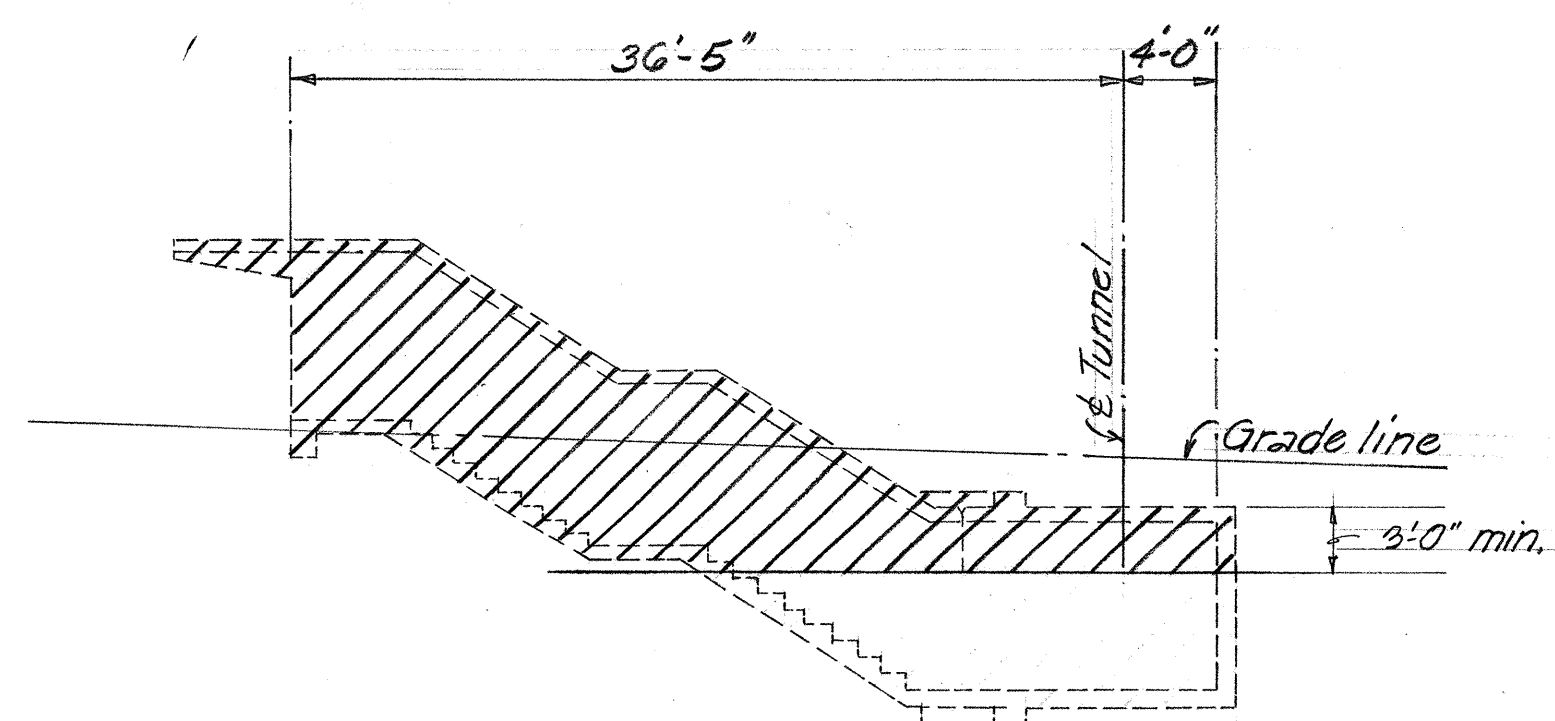
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



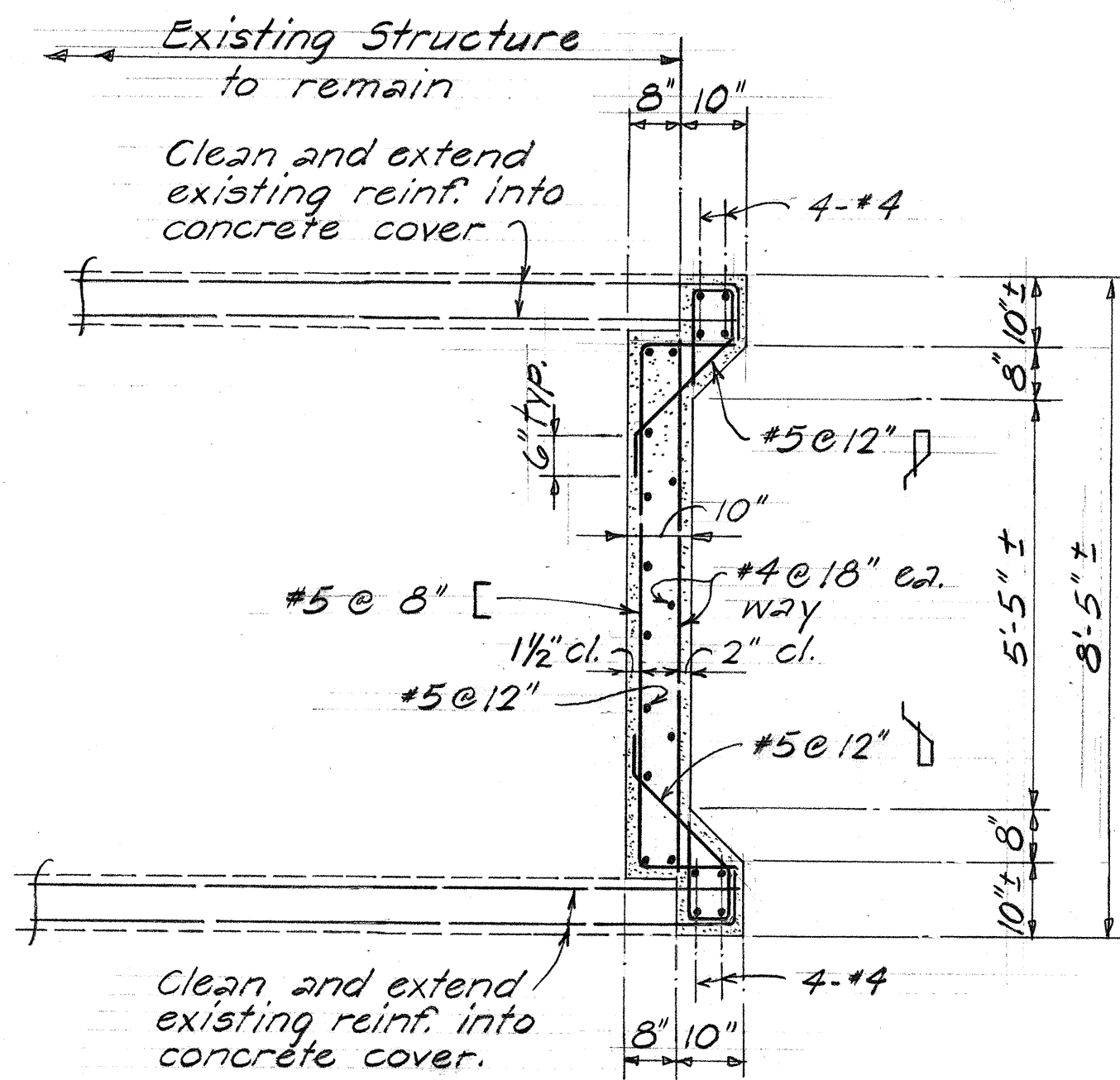
LAYOUT PLAN Scale: 1"=20'-0"



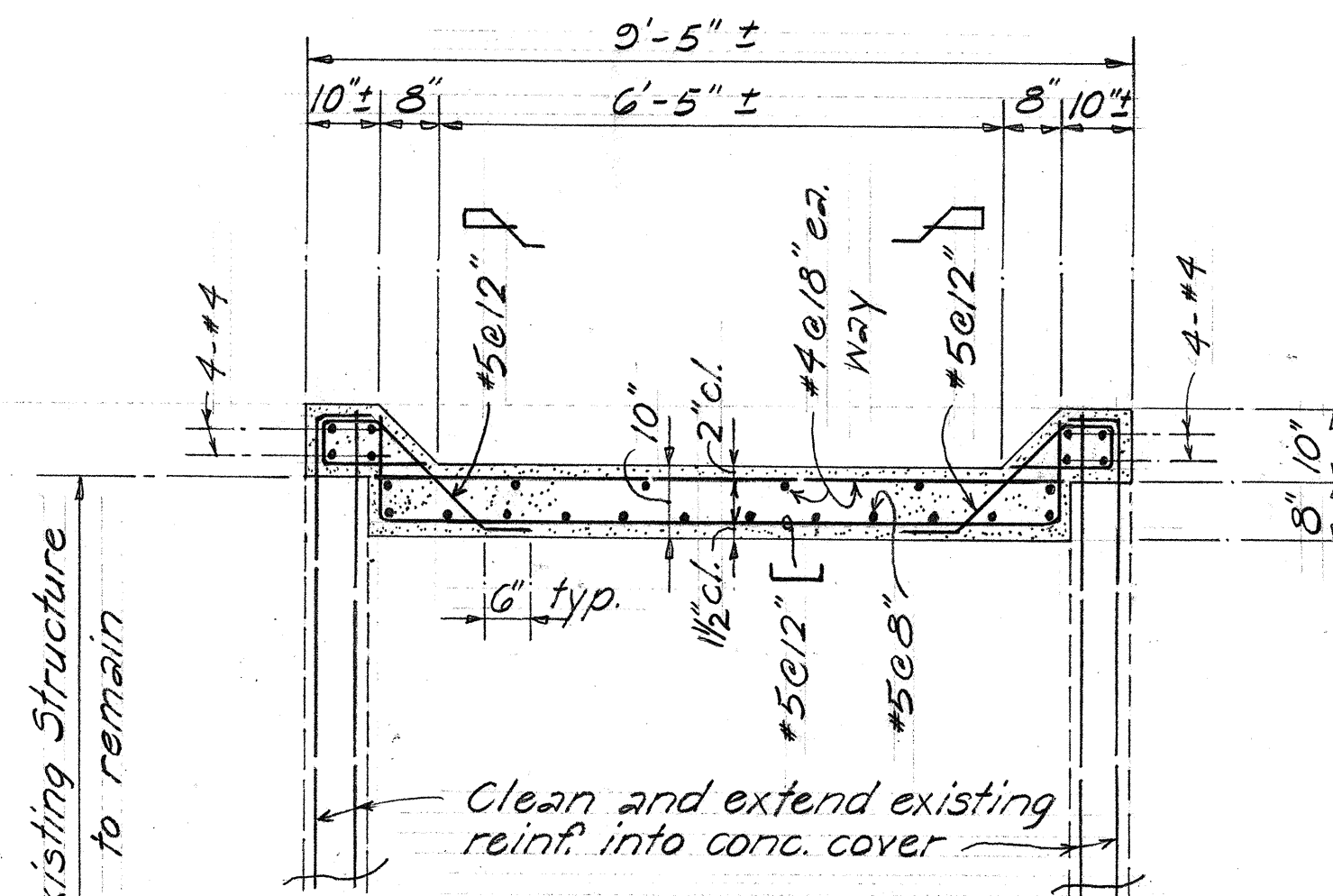
SECTION (A) 9 Scale: 1"=10'-0"



SECTION (B) 9 Scale: 1"=1'-0"



TYPICAL SECTION CONCRETE COVER Scale: 1/2"=1'-0"



DETAIL (C) 9 Scale: 1/2"=1'-0"

ESTIMATED QUANTITIES

Class A Concrete L.S. (3.0 C.Y.)

Reinforcing Steel L.S. (520.0 Lbs)

NOTE!

The Contractor shall verify the location of all existing utility lines and notify the respective owners before commencing work of excavation.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U-90-1(16)	1969	9	50

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SEALING EXISTING PEDESTRIAN UNDERPASS

Baseline Station 2+8 + 10

Proj. No. U-90-1(16) July 1969

SHEET No. 4 OF 4 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	