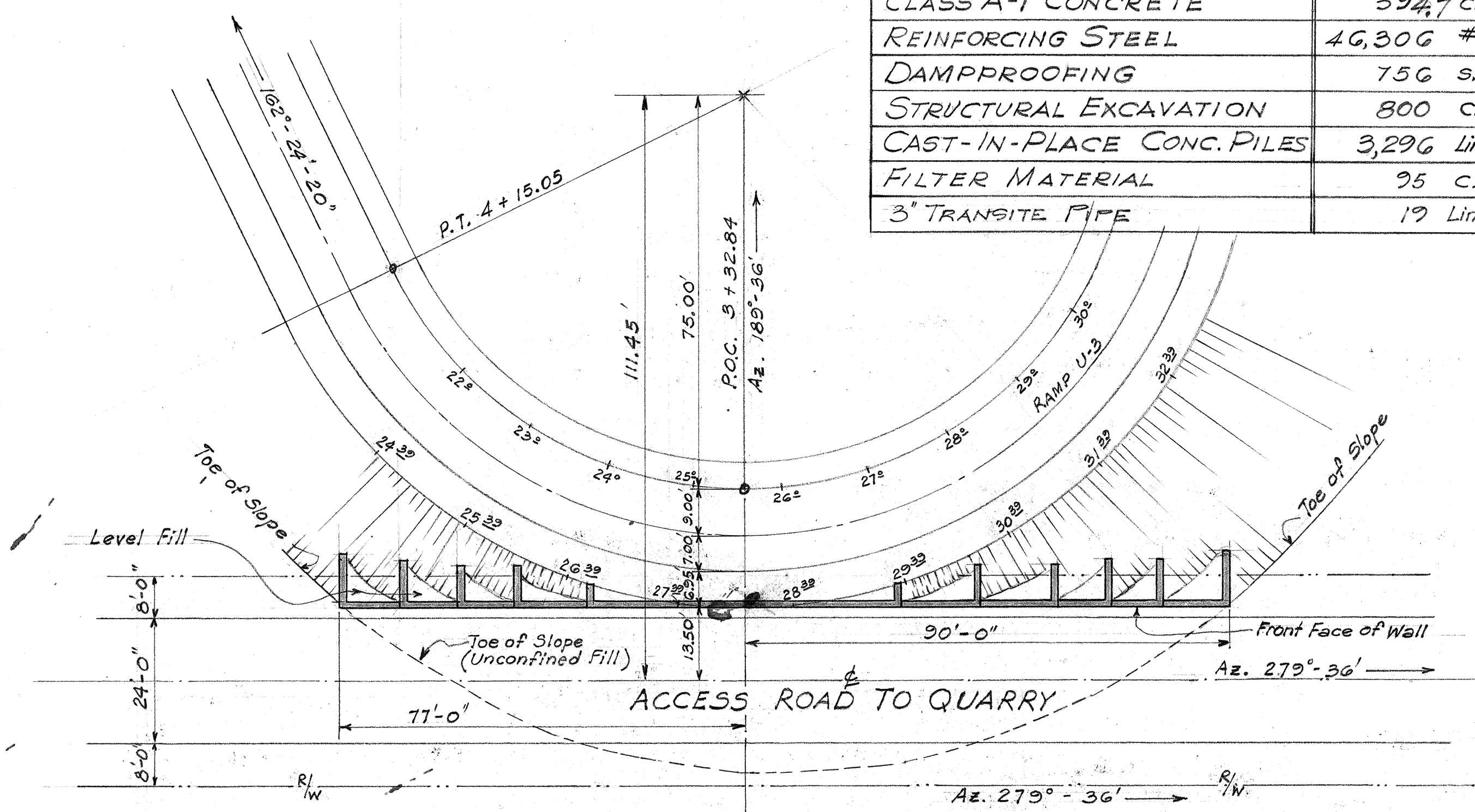
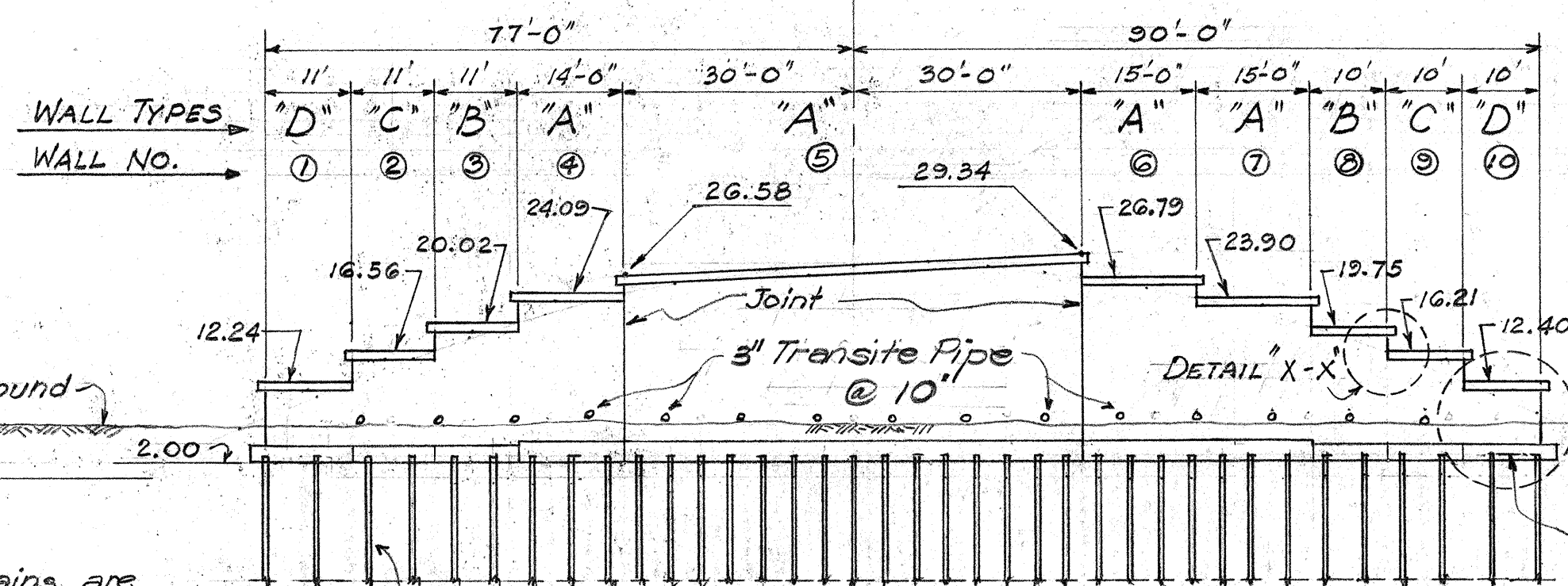


ESTIMATED QUANTITIES	
CLASS A-1 CONCRETE	394.7 C.Y.
REINFORCING STEEL	46,306 #
DAMPPOOFING	756 S.Y.
STRUCTURAL EXCAVATION	800 C.Y.
CAST-IN-PLACE CONC. PILES	3,296 Lin.F.
FILTER MATERIAL	95 C.Y.
3" TRANSITE PIPE	17 Lin.F.



LAYOUT PLAN

1" = 20'-0"



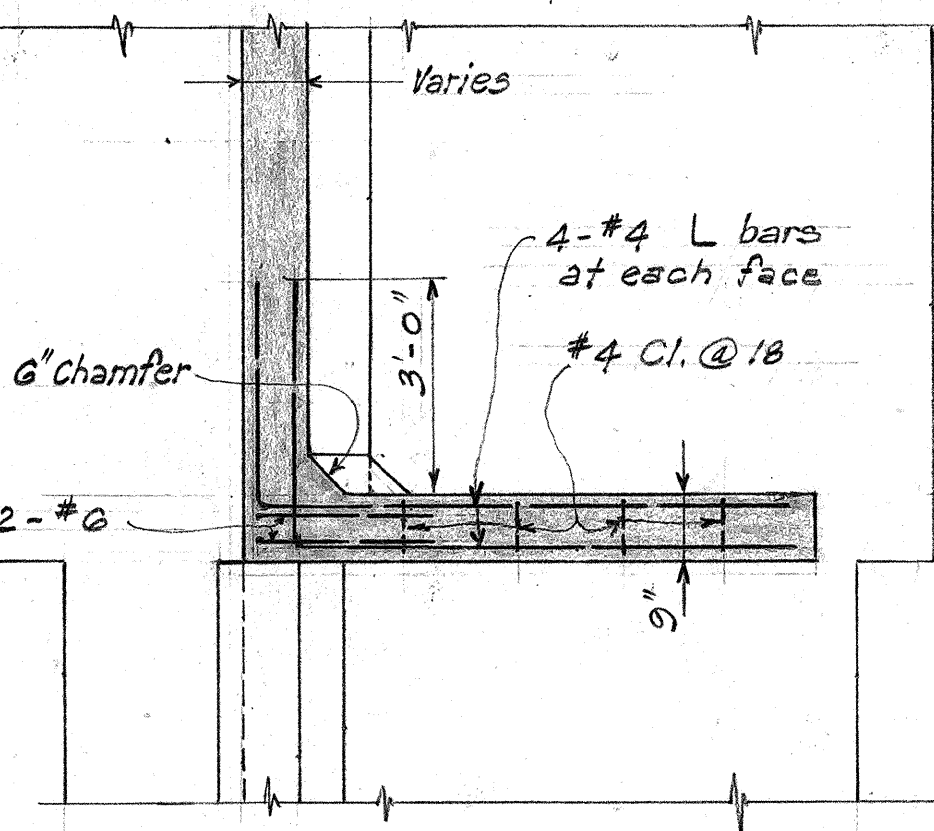
ELEVATION WALL

1" = 20'-0"

NOTE: 4" Tile Drains are incidental to class A-1 Conc. 32'-0" long, "Cast-in-place" concrete piles (Raymond Step Taper Concrete Piles or equal)

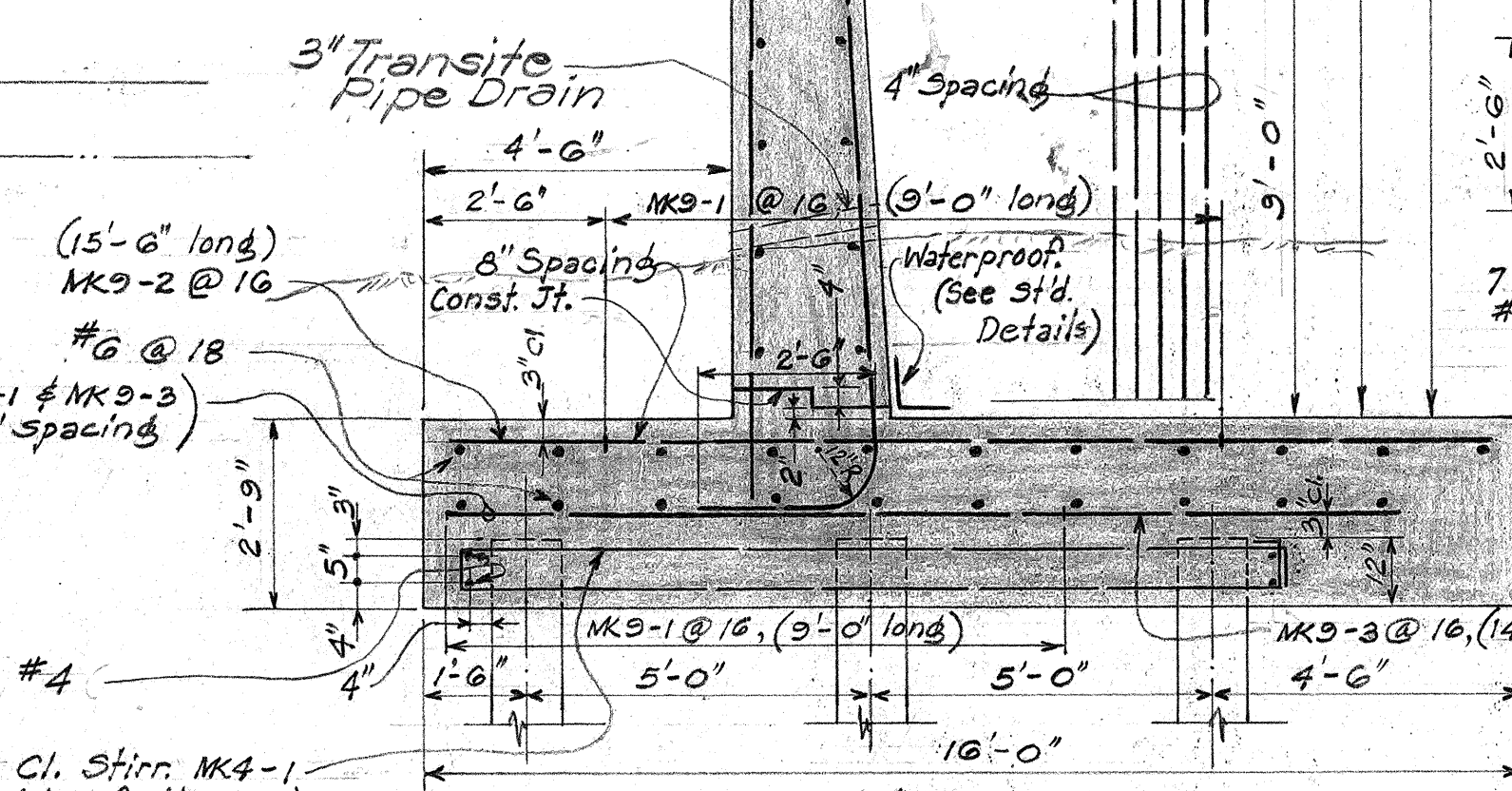
Pile cut-off El. = 3.00
Backfill to level with wall

LOCATION	DIMENSION "Z"
Between Walls ① & ②	8'-0"
② & ③	7'-0"
③ & ④	7'-0"
④ & ⑤	3'-6"
⑤ & ⑥	3'-6"
⑥ & ⑦	7'-0"
⑦ & ⑧	7'-0"
⑧ & ⑨	8'-0"
⑨ & ⑩	8'-0"



SECTION F-F

3/8" = 1'-0"



TYPE 'A' WALL

3/8" = 1'-0"

NOTE: Walls ①, ②, ③ & ④ are integral.
Walls ⑤, ⑥, ⑦, ⑧ & ⑩ are integral
16.56

Install when setting curbs. (Fay item)

3" Transite pipe drain. For exact location, see layout plan.
Exist. Road

Filter material (Crusher run, stream gravel, coarse rock, or other suitable mat'l.)

Resident Engineer shall select impervious material for backfill below weephole level.

Incidental to concrete

Class 2

2.00 El.

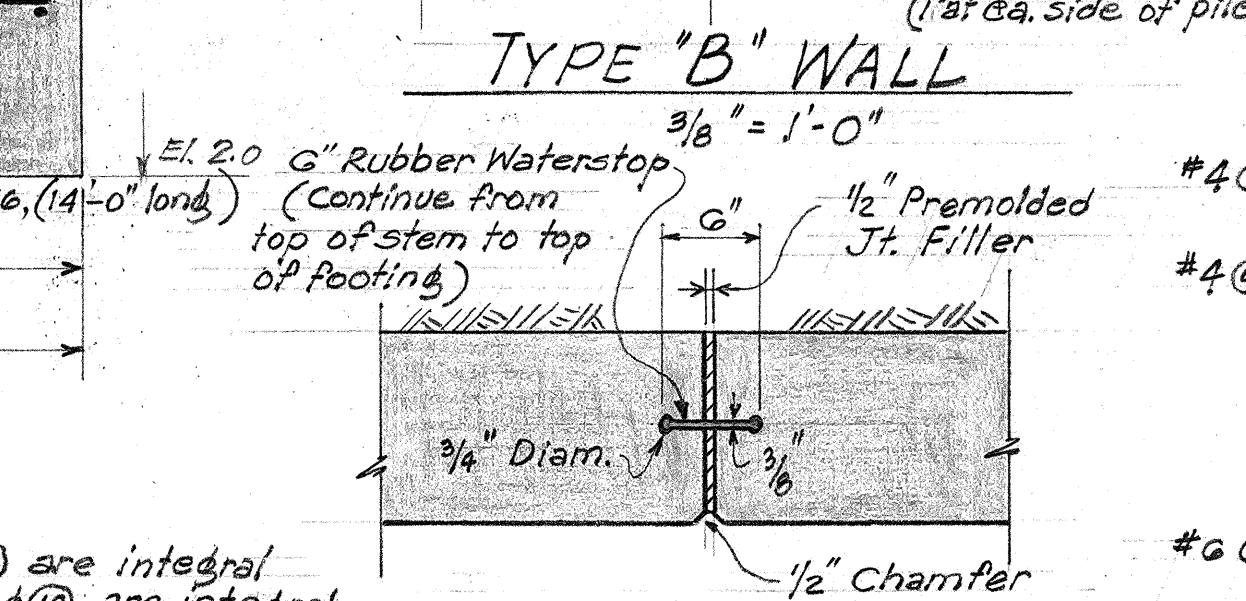
Piles

Scale: 3/8" = 1'-0"

VOID

NOTE: This sheet deleted from plans 5/26/52

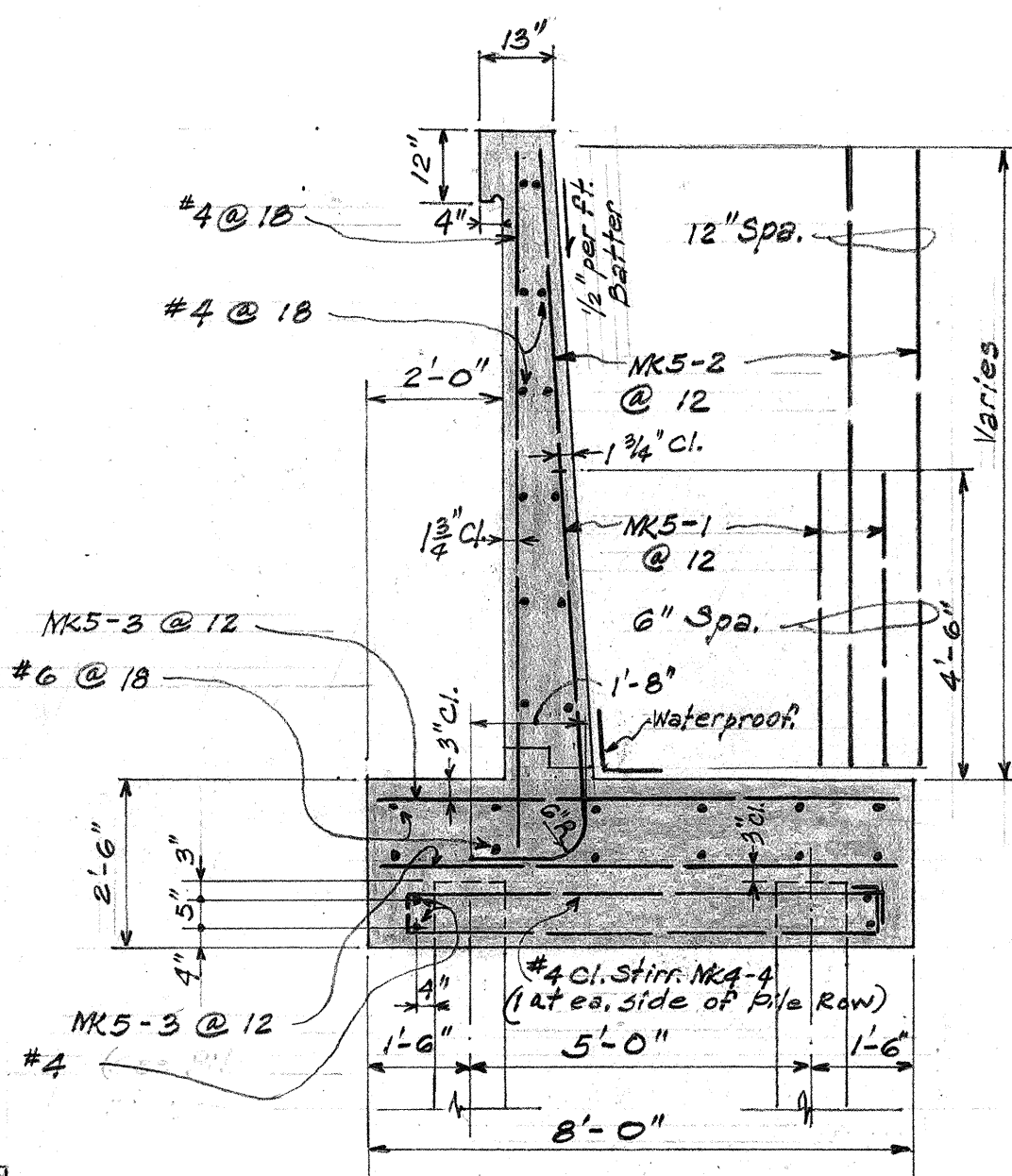
Typical Section Thru Wall Showing Drainage Details



TYPE 'B' WALL

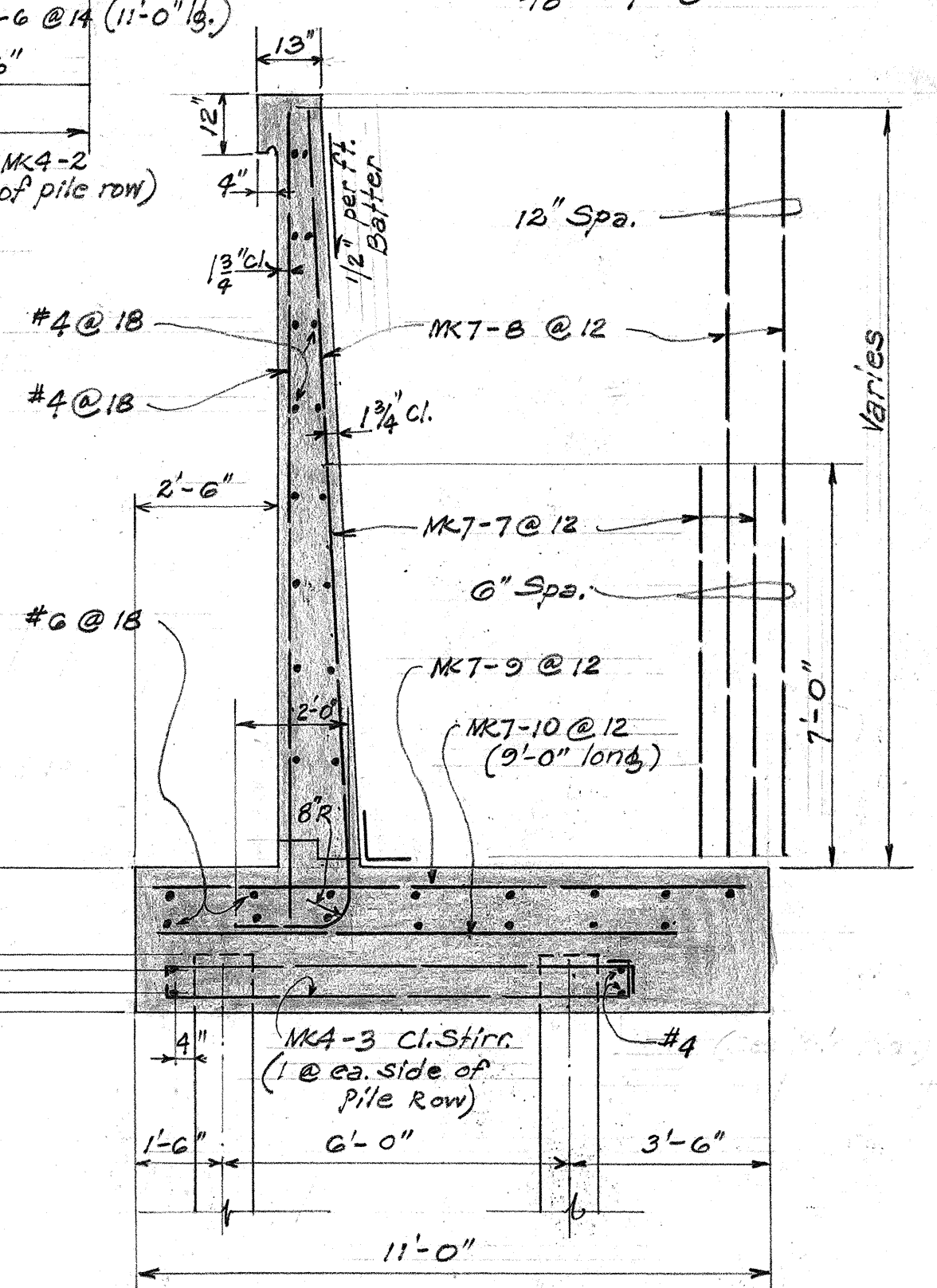
3/8" = 1'-0"

JOINT DETAIL FOR WALL STEM



TYPE 'D' WALL

3/8" = 1'-0"



TYPE 'C' WALL

3/8" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
RETAINING WALL
Sta. 3+32± RAMP U-3
MAUKA ARTERIAL ~~FU 59 (2)~~
U59(3)
September 1951

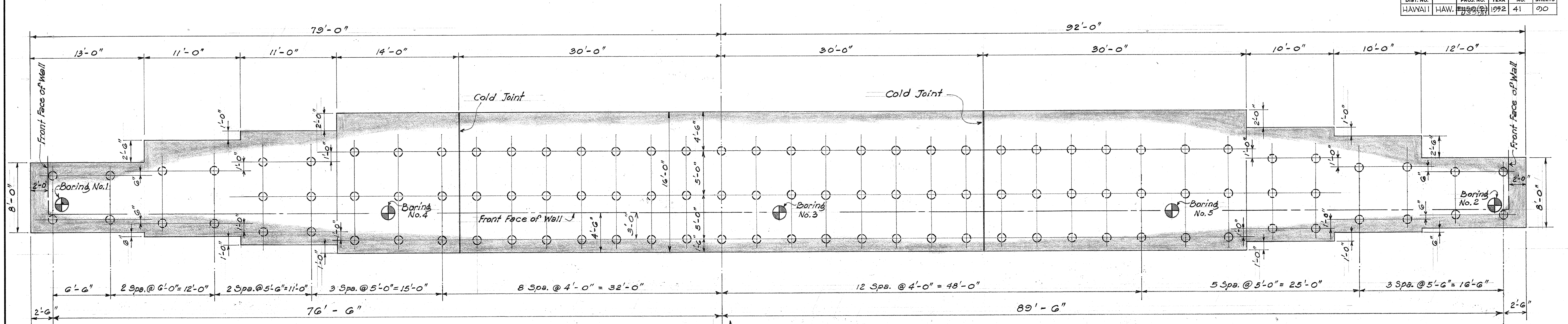
SHEET NO. 1 OF 2 SHEETS

5508.40

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1092	1952	40	50

Design Book #208

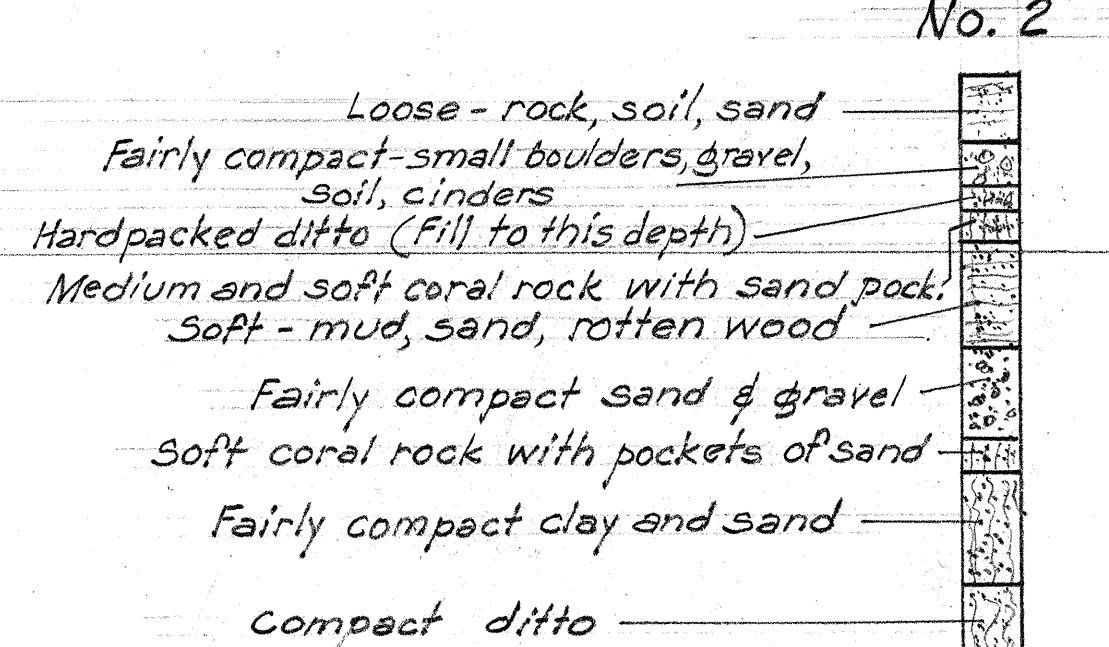
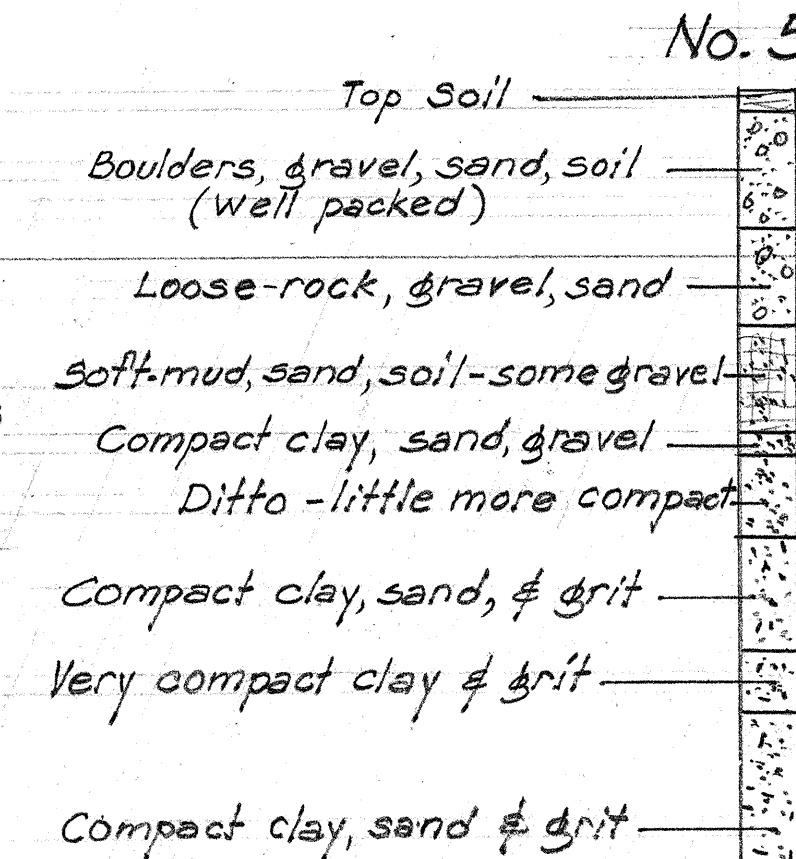
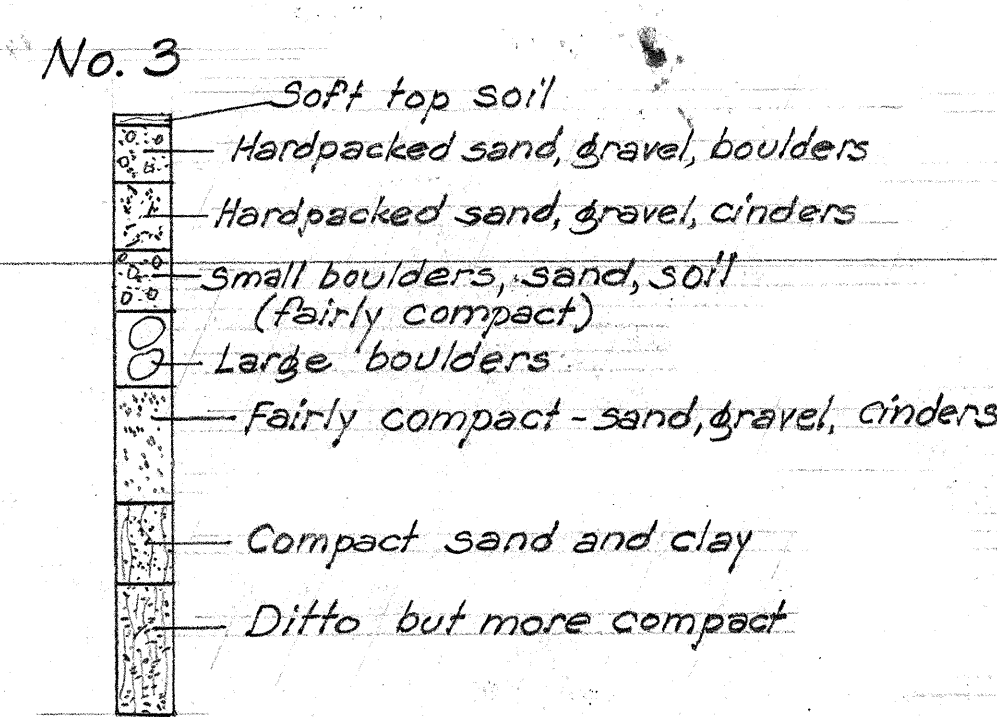
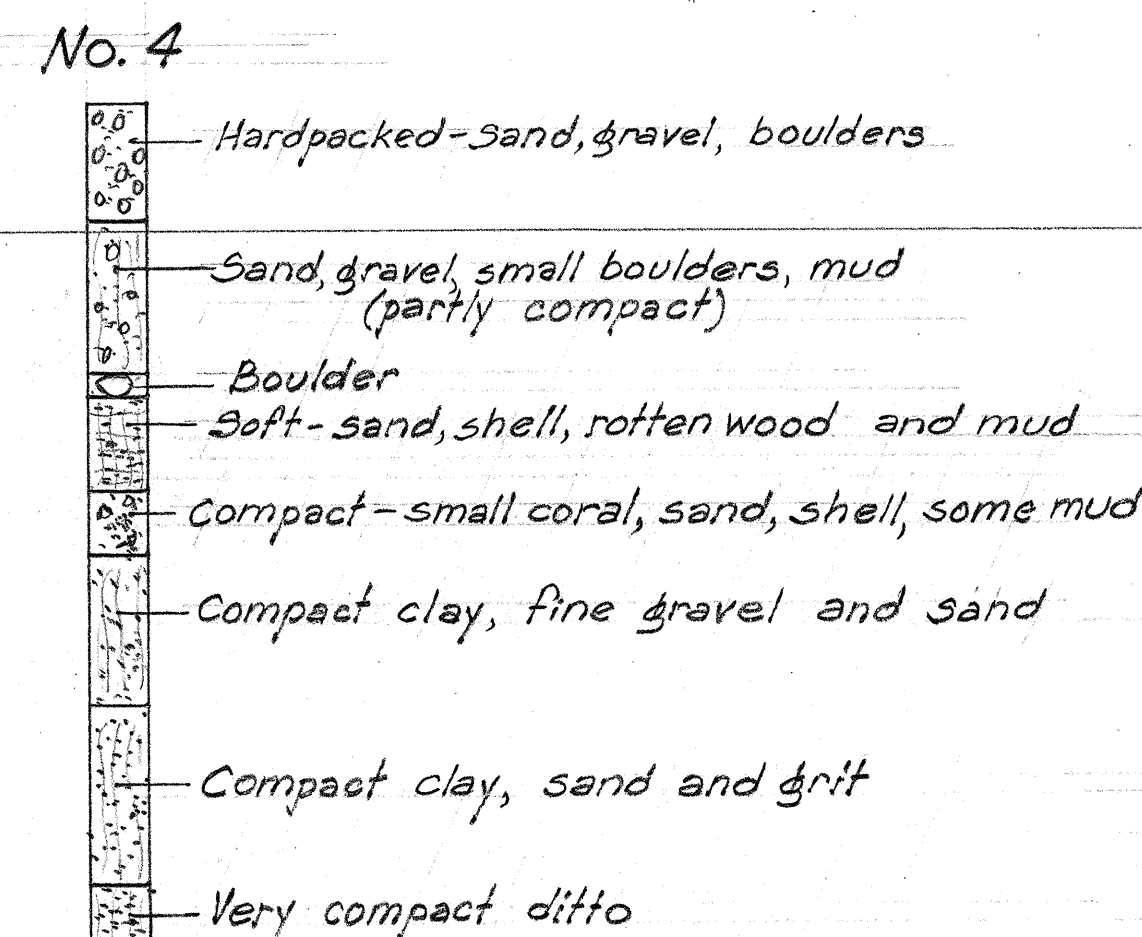
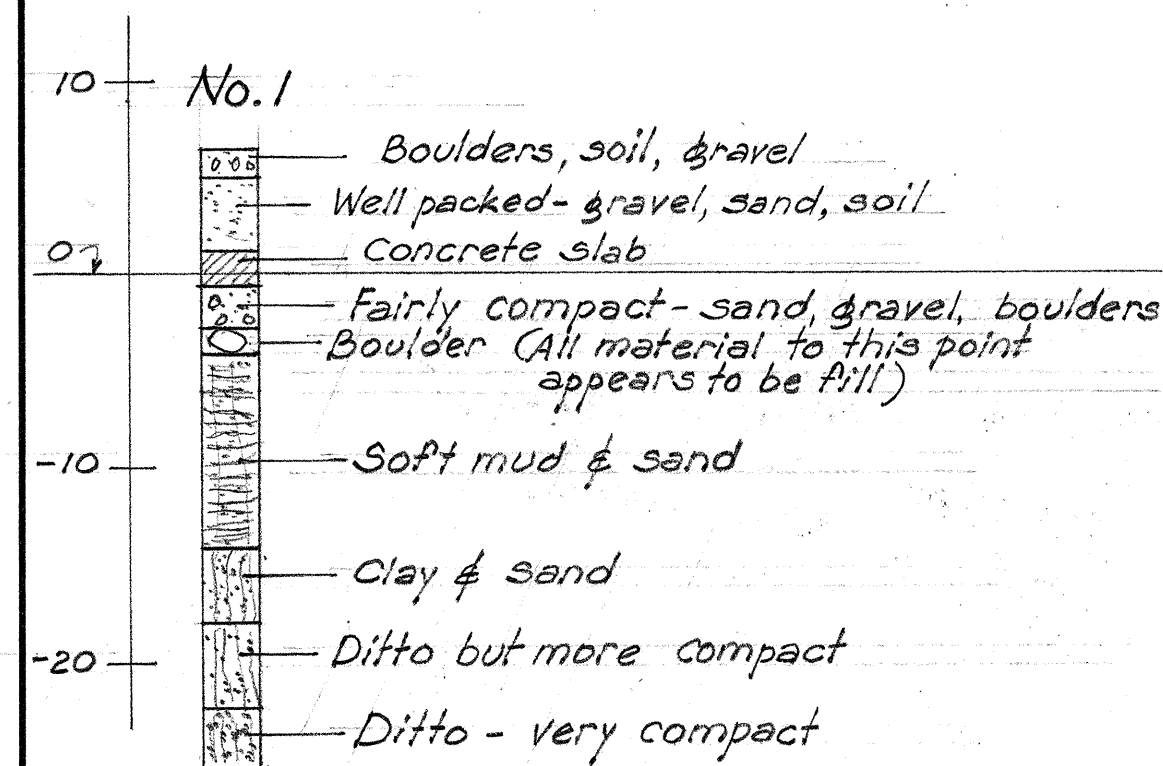
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTE BOOK NO.	



FOOTING & PILE PLAN

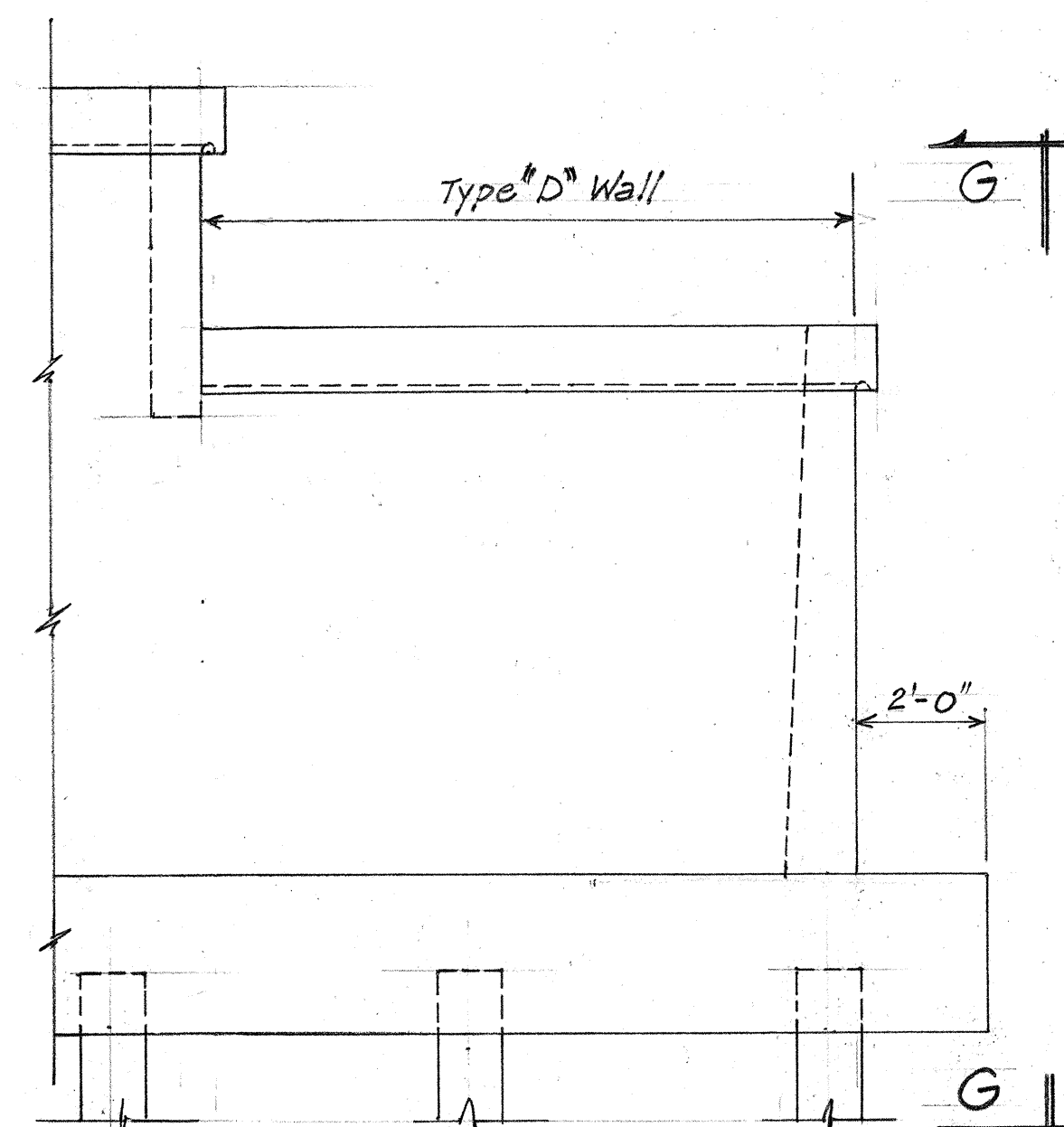
$\frac{3}{16}'' = 1'-0''$

NOTE: All Piles shall be "Cast-in-place" concrete piles (Raymond Step Taper Concrete Piles or equal)
All piles are 32'-0" long
Pile cut-off El. = 3.00



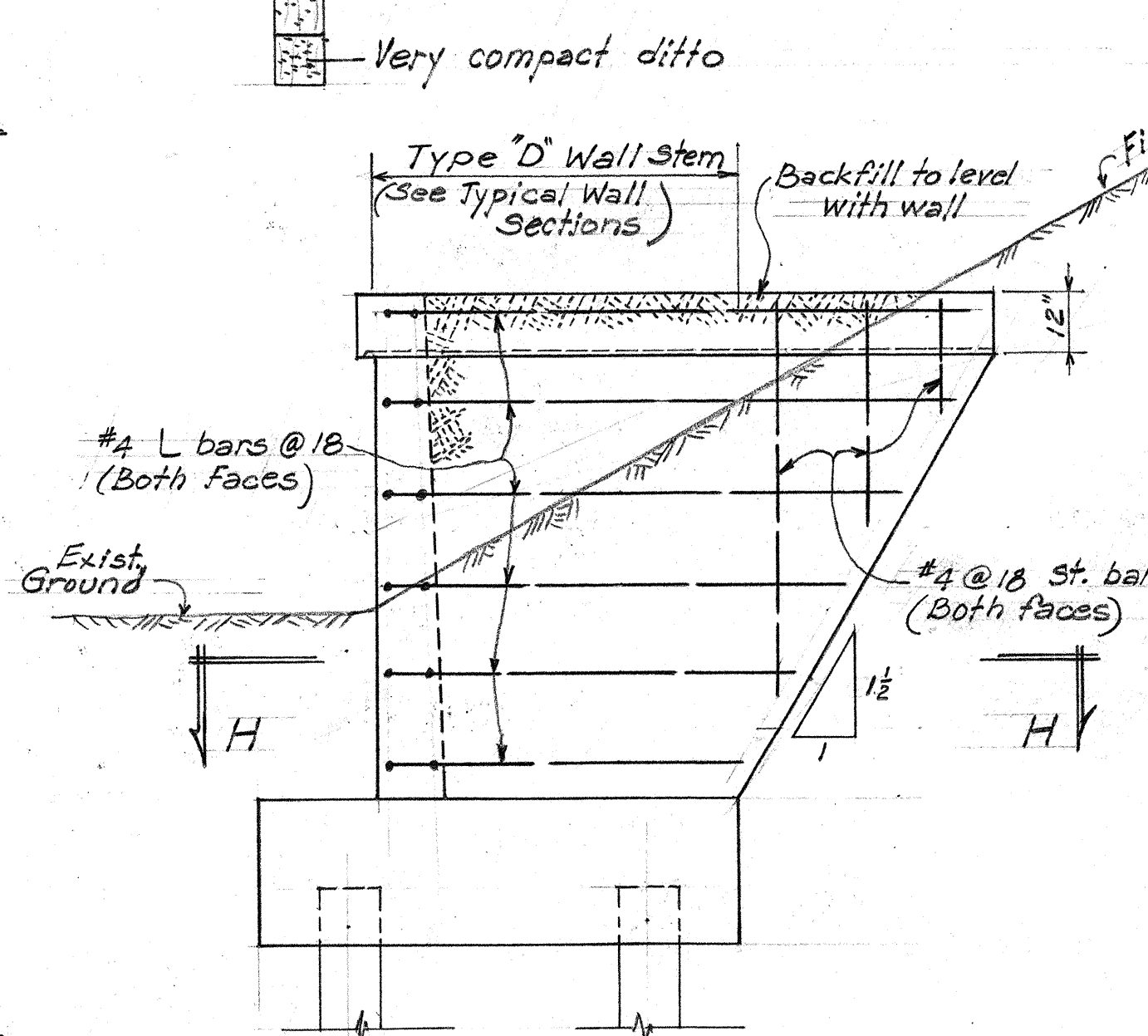
BORING DATA

Vertical 1" = 10'-0"



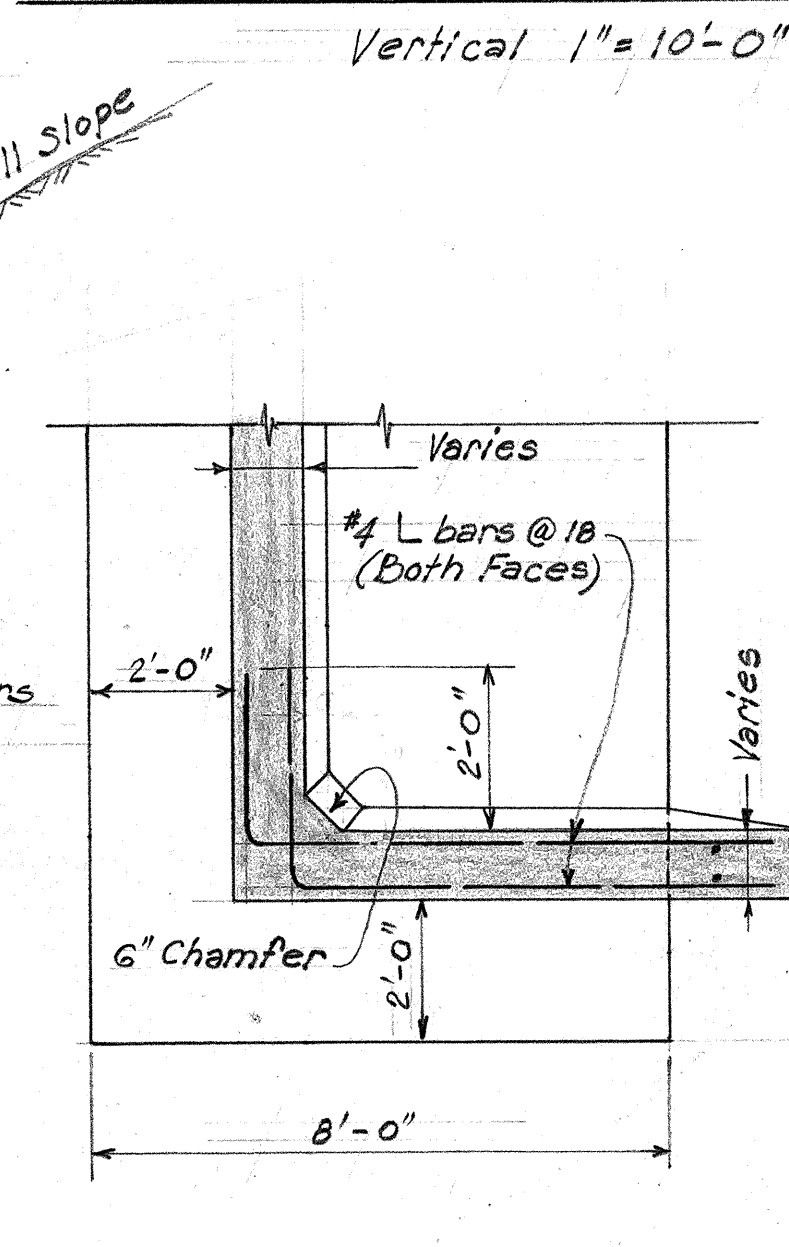
DETAIL "Y-Y" (See Sheet 1)

$\frac{3}{8}'' = 1'-0''$



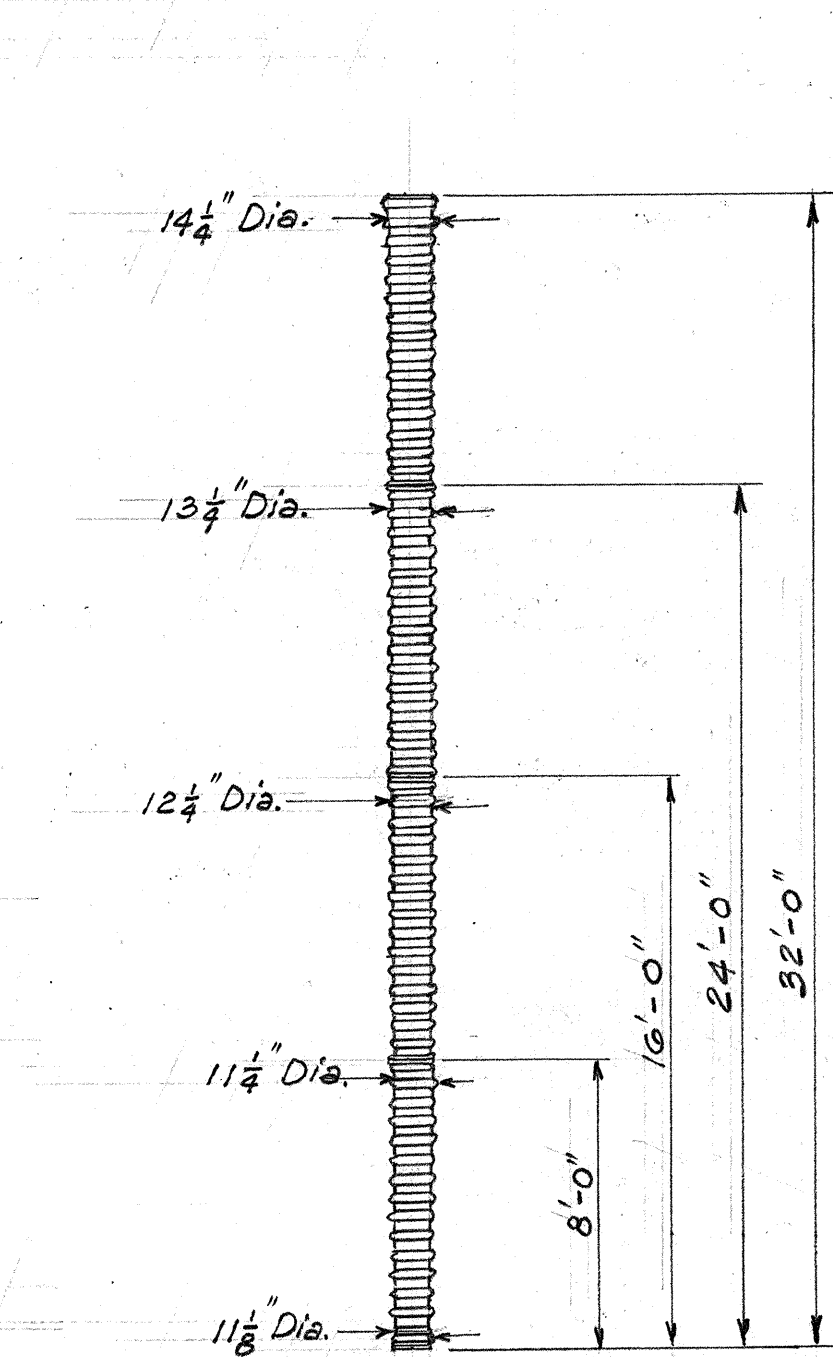
ELEVATION G-G

$\frac{3}{8}'' = 1'-0''$



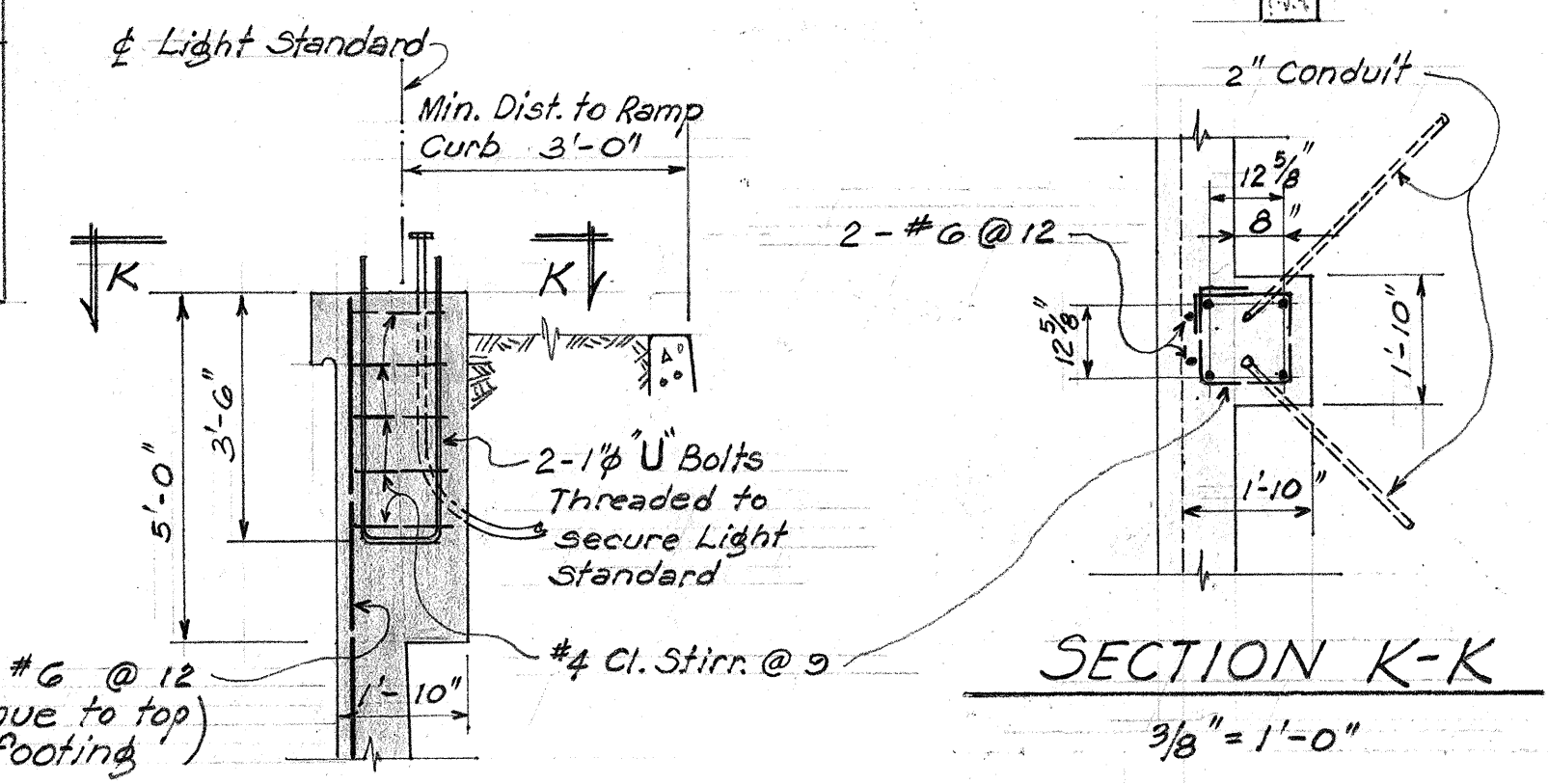
SECTION H-H

$\frac{3}{8}'' = 1'-0''$



DETAIL OF CAST-IN-PLACE CONCRETE PILE

$\frac{3}{16}'' = 1'-0''$



DETAIL OF LIGHT STANDARD FOUNDATION

$\frac{3}{8}'' = 1'-0''$

VOID

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
RETAINING WALL
Sta. 3+32 ± RAMP U-3
MAUKA ARTERIAL
September 1951

SHEET No. 2 OF 2 SHEETS

5508.41

DATE: 5-26-52
DESIGNED BY: A. J. J.
DRAWN BY: A. J. J.
CHECKED BY: A. J. J.
ORIGINAL PLAN NO. 1
NOTE BOOK NO. 1

Note: This sheet deleted from plans. 5/26/52