

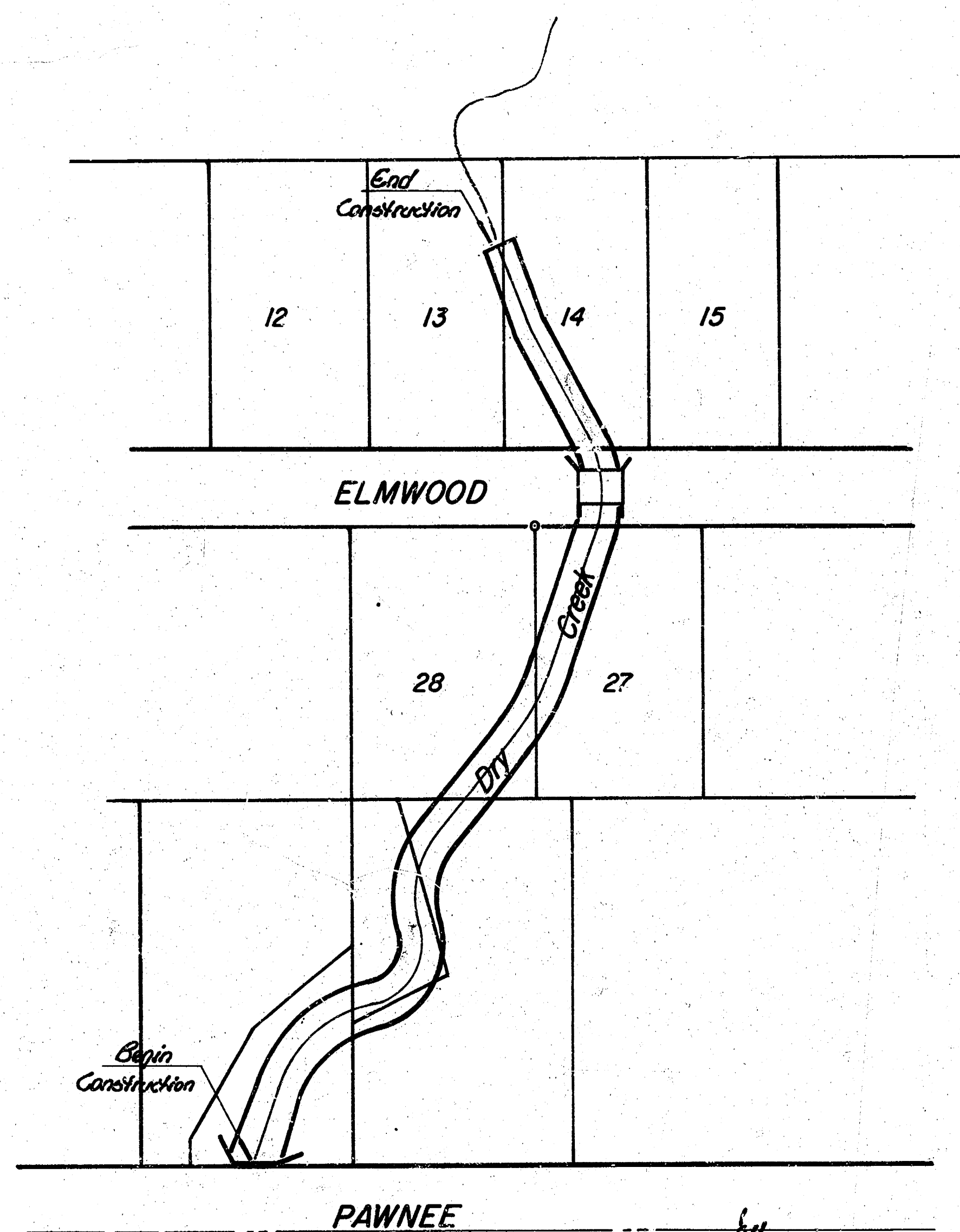
DRY CREEK DRAINAGE IMPROVEMENTS FROM N.L. PAWNEE TO 195' N. OF ELMWOOD

PILOT PROGRAM FOR GABION CONSTRUCTION

WOKB 505430
821 76 245 5005043 000 0000



SCALE
1"=100'



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5.	DETAIL SHEET
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NOTES

CONTRACTOR SHALL OBTAIN AND NOTE SPECIFICATIONS CONCERNING GABION CONSTRUCTION AND OTHER ITEMS INCLUDED.

CONTRACTOR SHALL NOTE AREAS DESIGNATED AS TEMPORARY CONSTRUCTION EASEMENTS ON SEPARATE PLANS. NO CONSTRUCTION EQUIPMENT WILL BE ALLOWED ACCESS OUTSIDE OF DESIGNATED AREAS UNLESS OTHERWISE INDICATED BY THE ENGINEER.

GABION CONSTRUCTION SHALL INCLUDE NECESSARY WIRE BASKETS, RIP-RAP, INSTALLATION, CONSTRUCTION EQUIPMENT, AND LABOR TO CONFORM WITH SPECIFICATIONS AS SET FORTH.

GABION FILL SHALL BE CONSTRUCTED IN 6" LIFTS AS PER SPEC, AND AT NO TIME DURING CONSTRUCTION SHALL THE GABION FILL EXCEED THE EXISTING GABION TIER HEIGHT.

BORROW MATERIAL FOR THE PROJECT SHALL BE OBTAINED FROM MATERIAL STOCKPILED SOUTH OF PAWNEE FROM S.W.D. #16, PROJECT NO. O&M 578091.

TREES TO BE REMOVED ARE MARKED THIS  EXCEPT THAT ANY TREE TO BE REMOVED WHICH IN THE OPINION OF THE ENGINEER CAN BE SAVED, SHALL BE SAVED.

ANY TREE NOT MARKED FOR REMOVAL, WHICH IS DAMAGED DUE TO NEGLIGENCE BY THE CONTRACTOR, SHALL BE REPLACED ACCORDING TO THE FOLLOWING:

-TREES 24" OR LARGER TO BE REPLACED WITH AN 6" TREE OF EQUAL SPECIES.

-TREES SMALLER THAN 24" TO BE REPLACED WITH A 4" TREE OF EQUAL SPECIES.

THE FIELD ENGINEER SHALL DETERMINE THE NEED TO REPLACE A TREE AND IF SO, WHAT SPECIES.

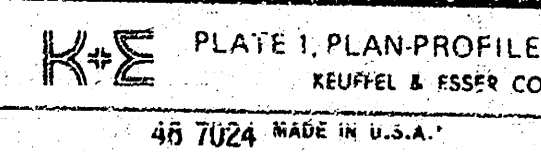
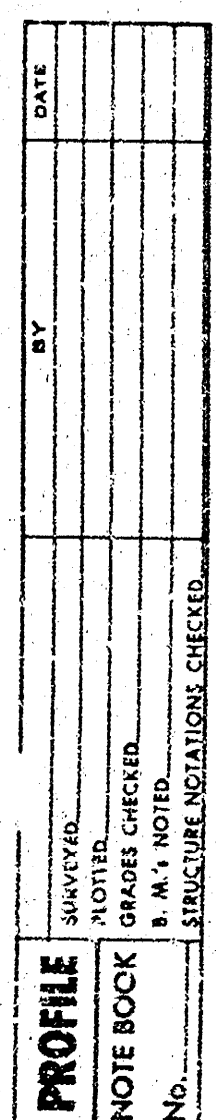
CONTRACTOR SHALL USE CAUTION WHEN WORKING OFF OF THE HIGH BANK, NOT TO DAMAGE ANY EXISTING PROPERTY THROUGH NEGLIGENT USE OF CONSTRUCTION EQUIPMENT OR OTHERWISE. ANY PROPERTY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL USE CAUTION WHEN WORKING UNDERNEATH ELMWOOD BRIDGE, NOT TO DAMAGE ANY BRIDGE PILING, SUPPORTS, OR OTHER CONNECTING STRUCTURES RELATED TO THE BRIDGE. ANY DAMAGE TO THE BRIDGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



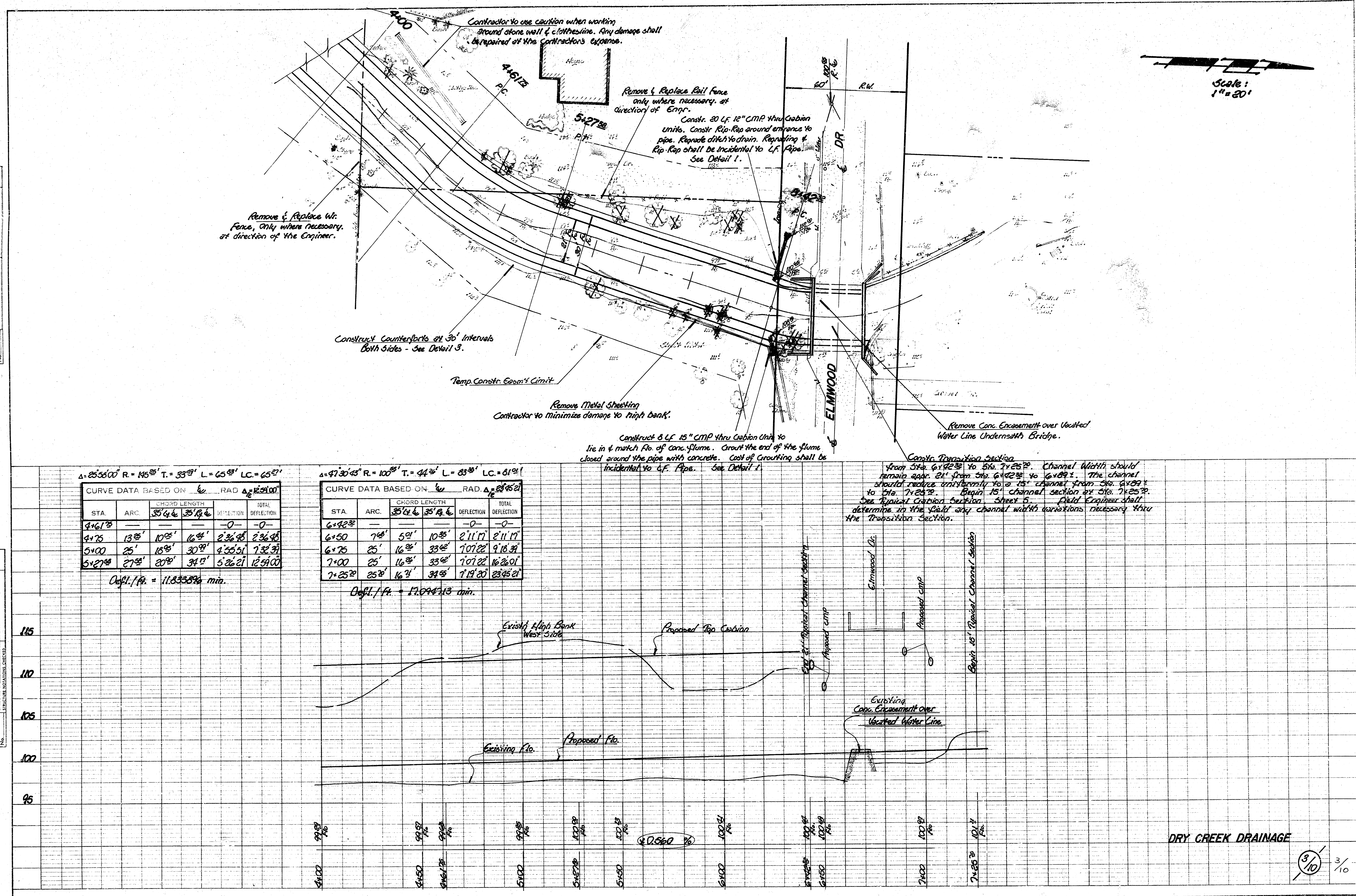
City of Wichita, KS.
R. W. Linn — City Engineer

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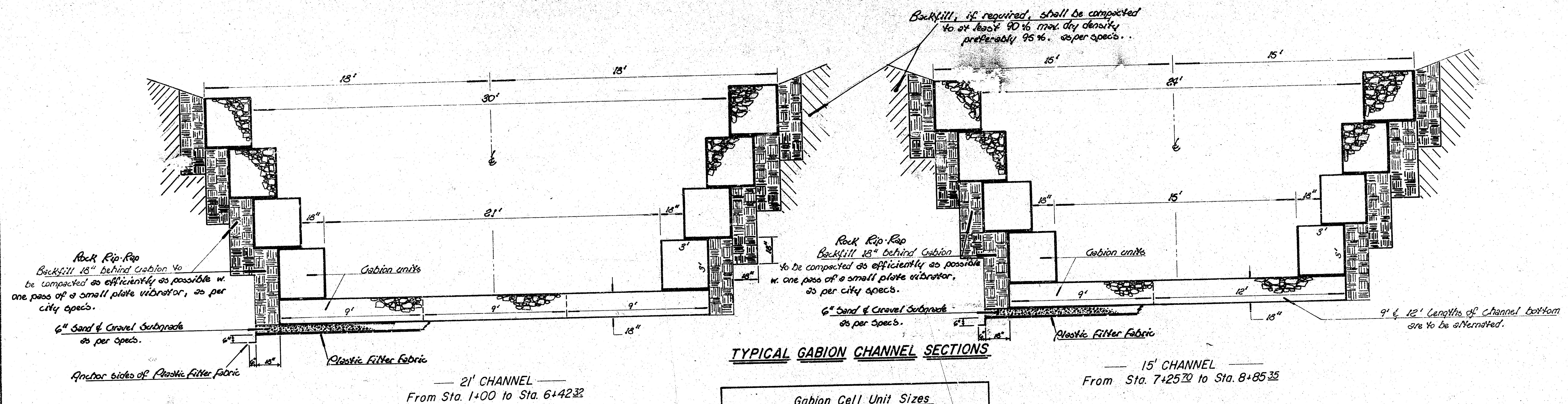


PLAN	DATE	
	BY	W.B.
	NOTED	
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PROFILE	DATE	
	BY	
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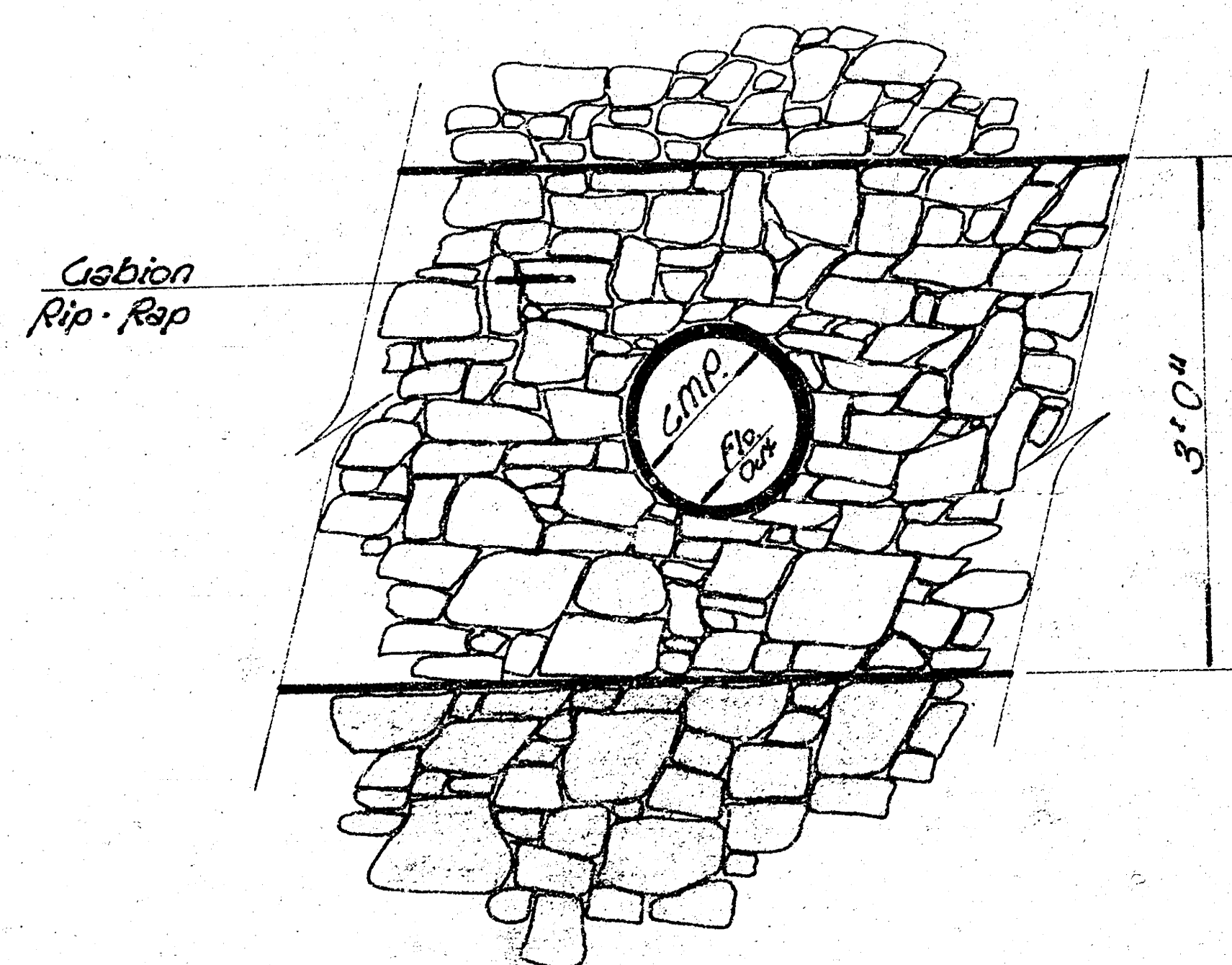
DETAIL SECTIONS



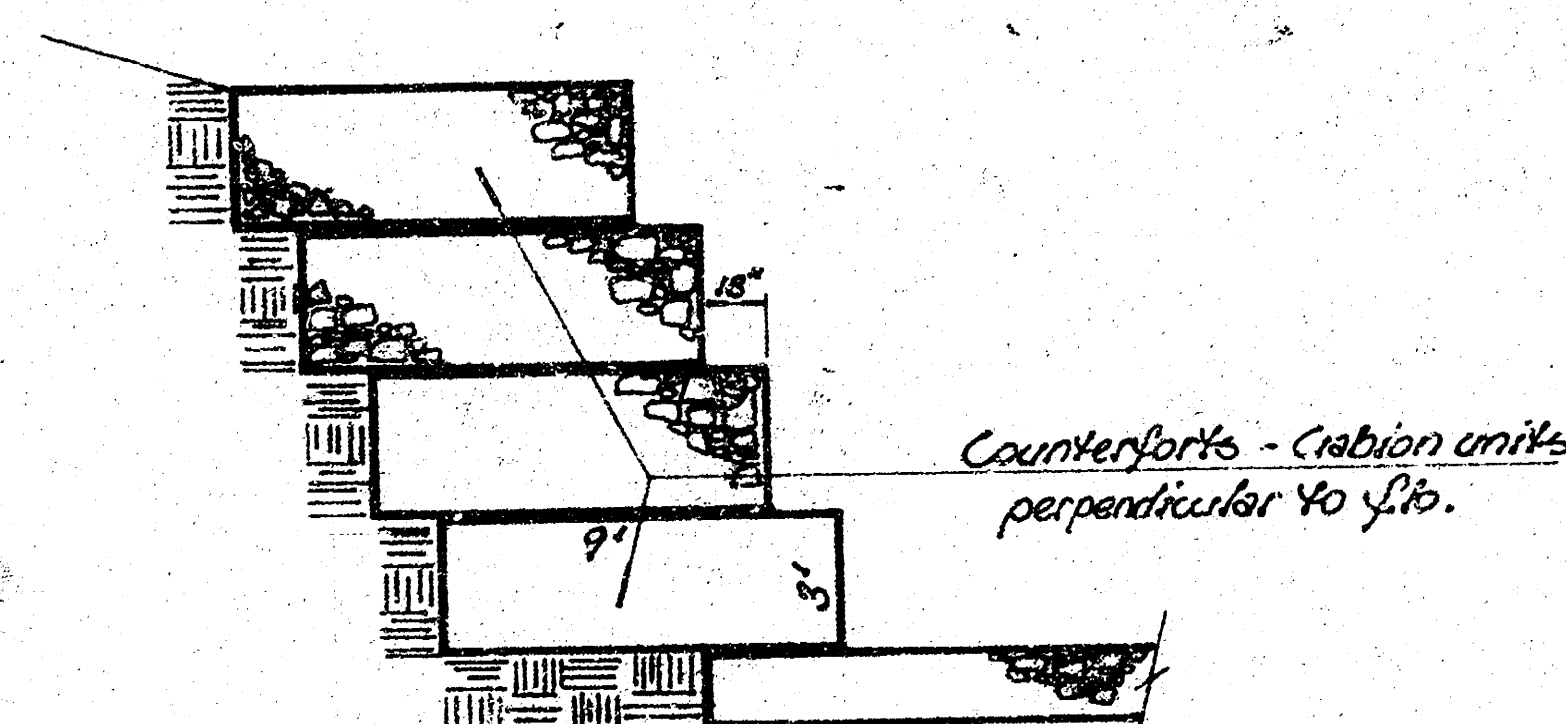
TYPICAL GABION CHANNEL SECTIONS

Gabion Cell Unit Sizes				
	Length	Width	Height	No. Cells
21' Channel Bottom	9'	3'	1' 6"	3
21' Channel Walls	9'	3'	3'	3
15' Channel Bottom	9'	3'	1' 6"	3
15' Channel Walls	12'	3'	1' 6"	4
15' Channel Walls	9'	3'	3'	3

Note: The Channel Bottom and 1st Tier of Gabions are to be PVC Coated Wire Baskets thru the project.



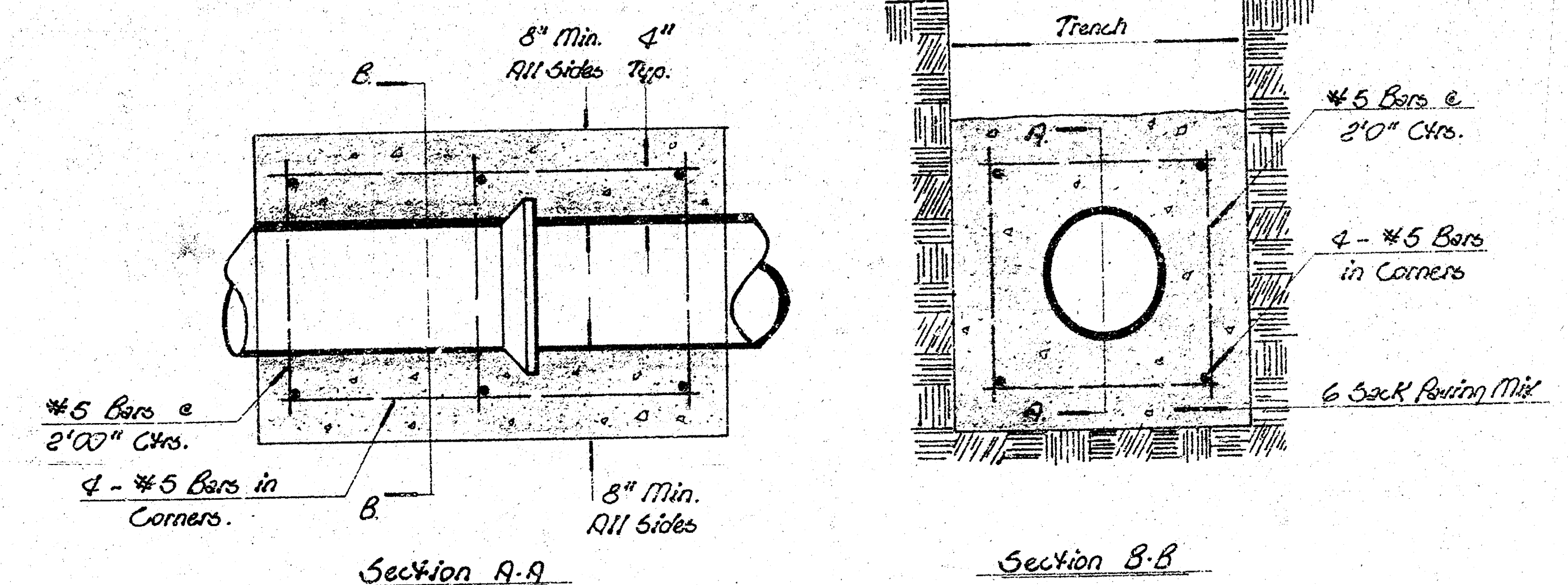
DETAIL 1
Side View -- Gabion Wall
With Pipe Outlet.



DETAIL 3
Counterforts

Gabion channel wall units shall be in dimensions of 9'x3'x3' according to the unit size chart. These units shall be constructed lengthwise with the 9' length parallel to the channel. Counterforts shall be constructed along the channel on both sides to project from the walls to the backfill area at not more than 30' intervals. Counterforts shall consist of the same size units as listed above and shall be constructed perpendicular to the channel. The Engineer shall determine in the field where the counterforts are to be located.

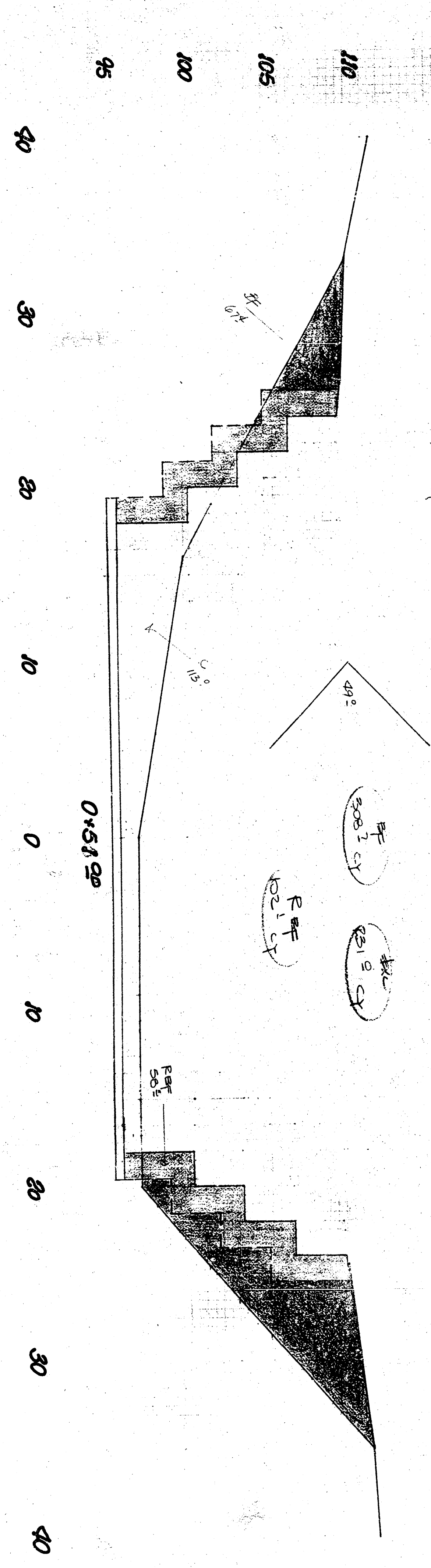
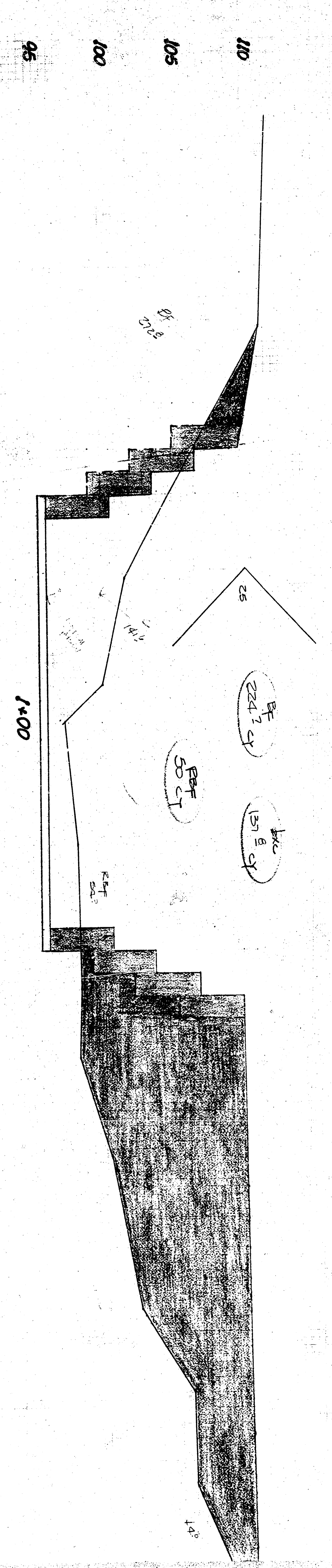
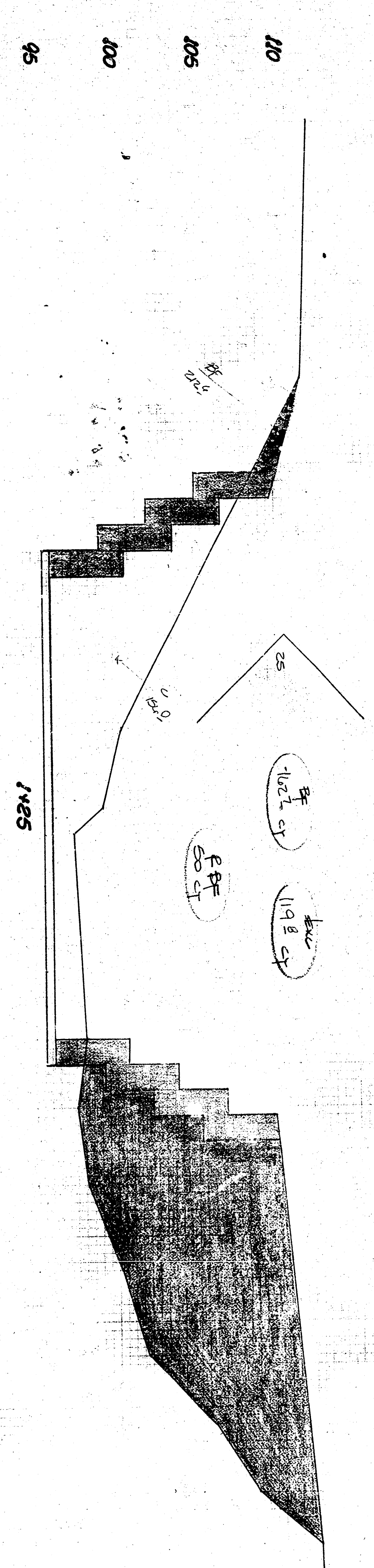
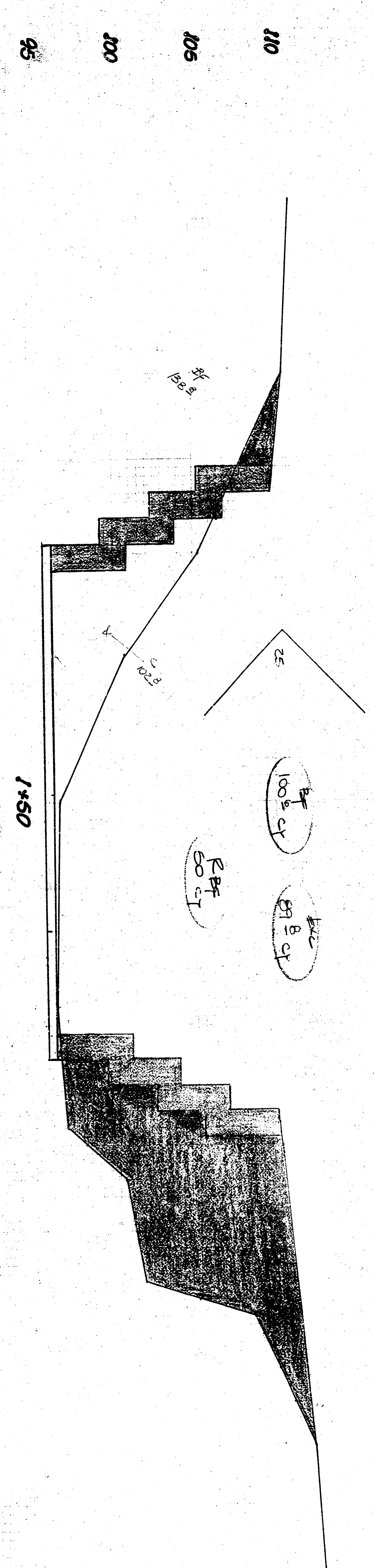
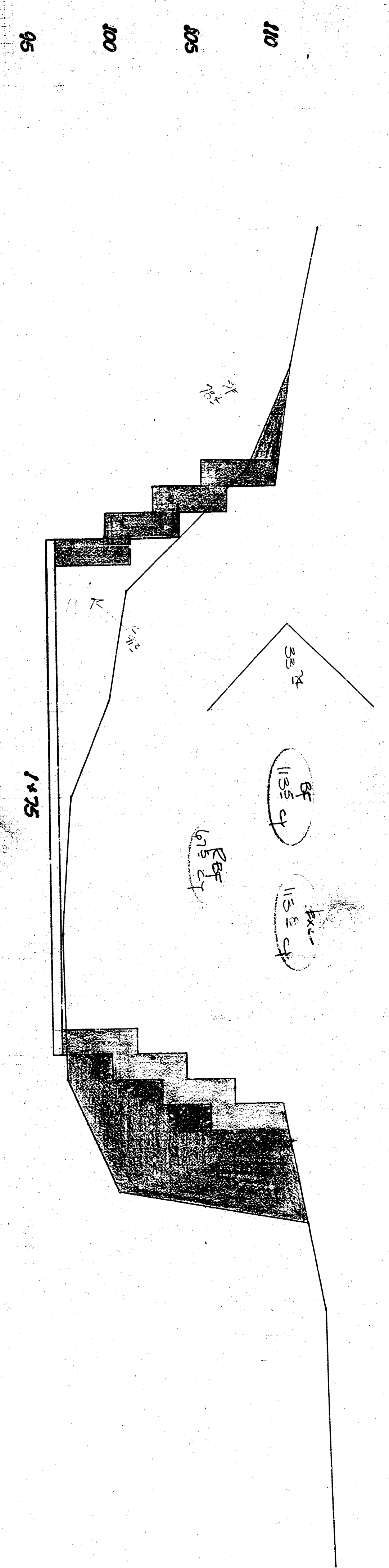
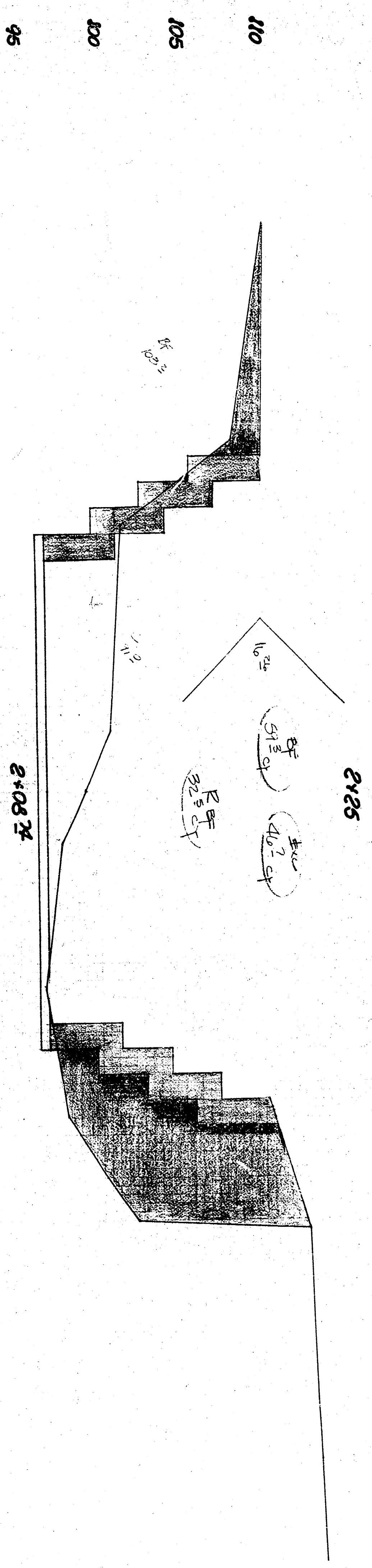
Counterfort Excavation shall allow for a 2' clearance on each side of the Gabion which extends perpendicular to the normal channel flow.



DETAIL 2
Reinforced Concrete Encasement

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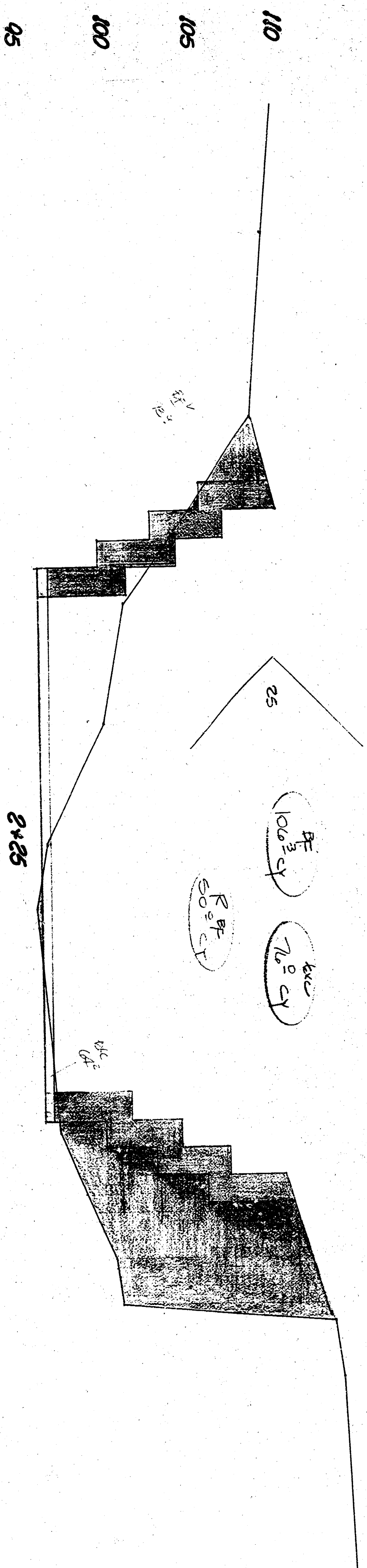
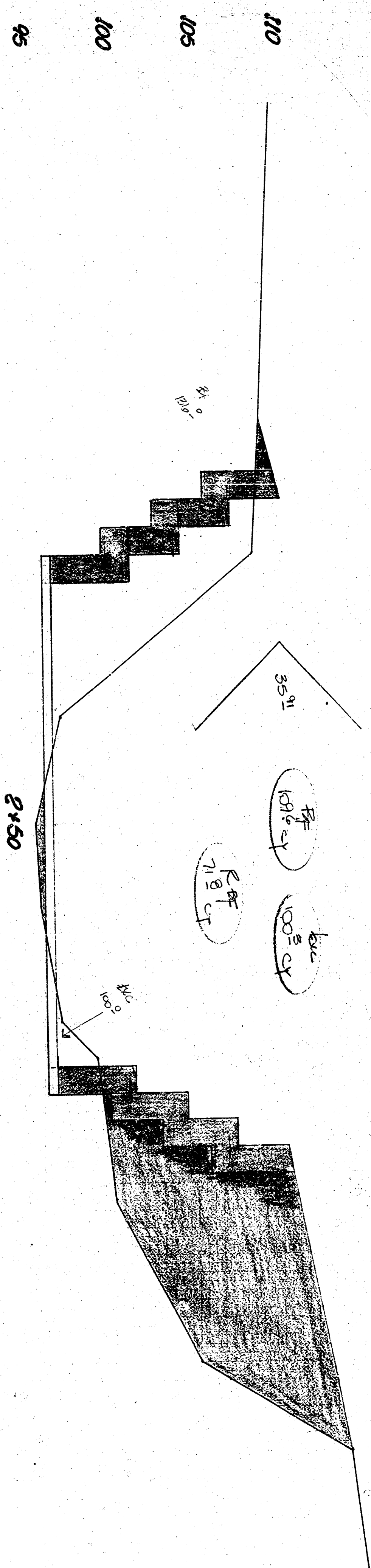
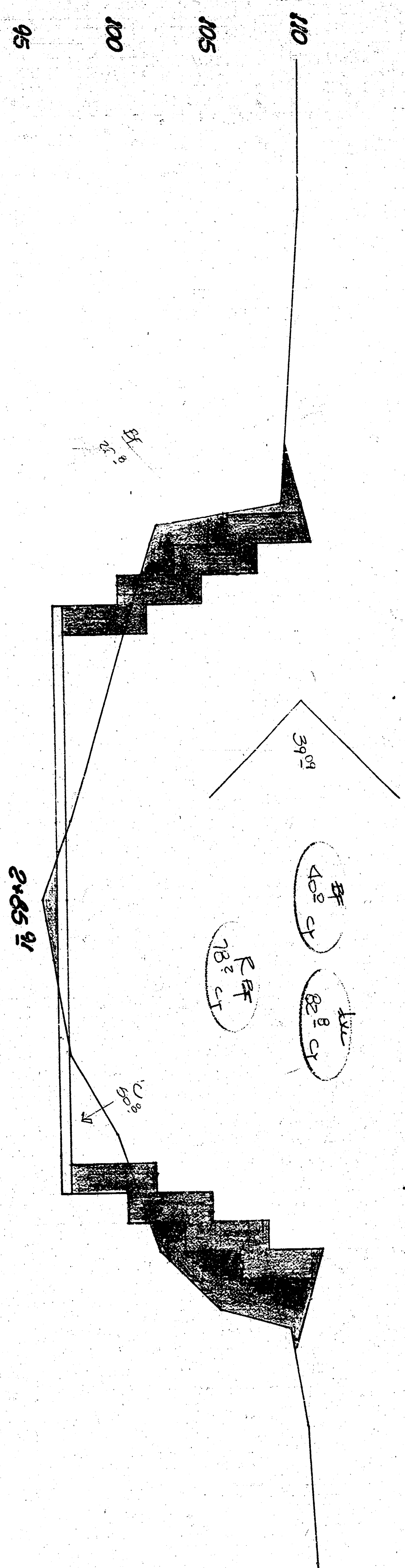
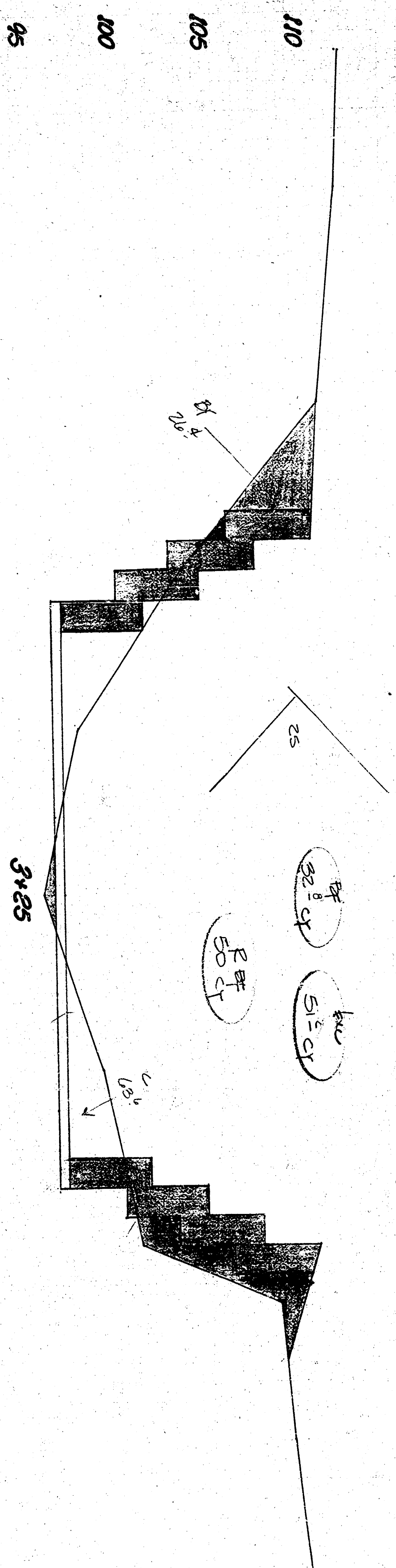
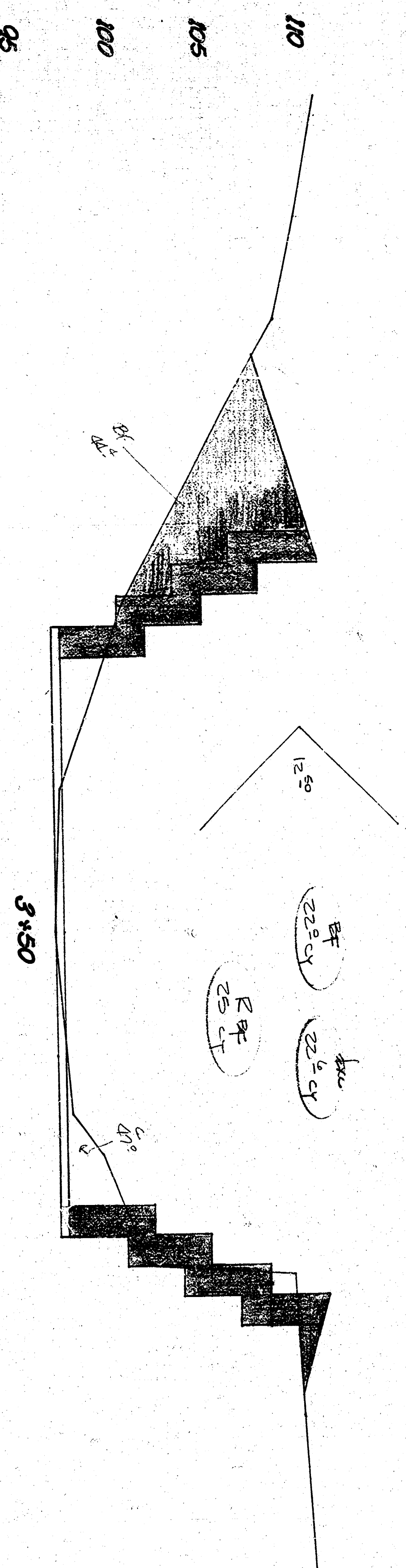
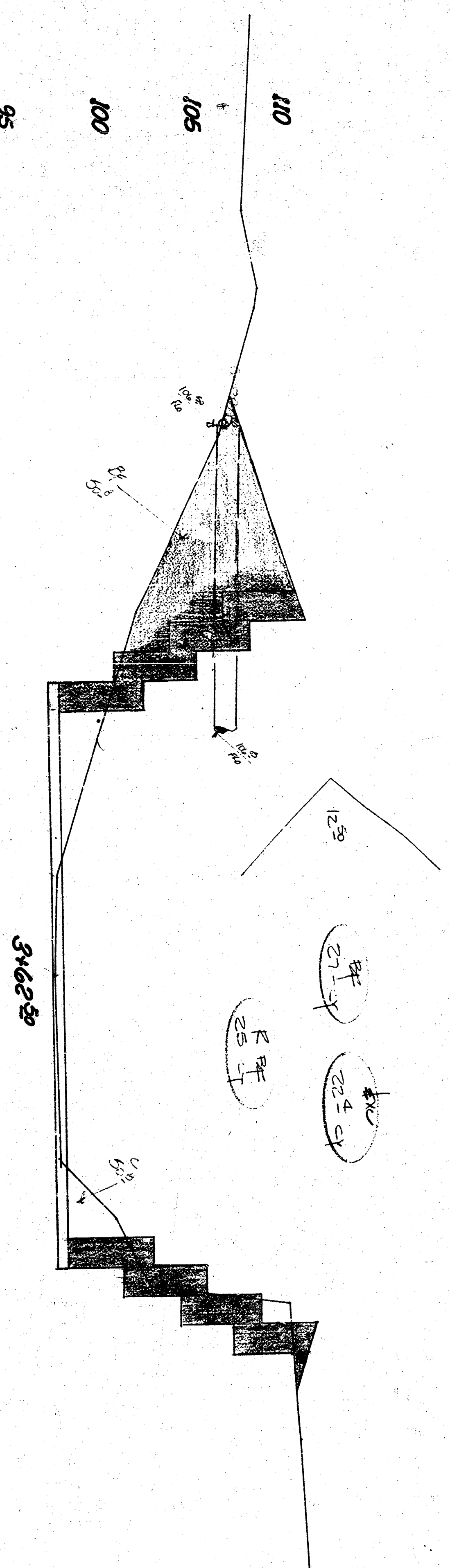
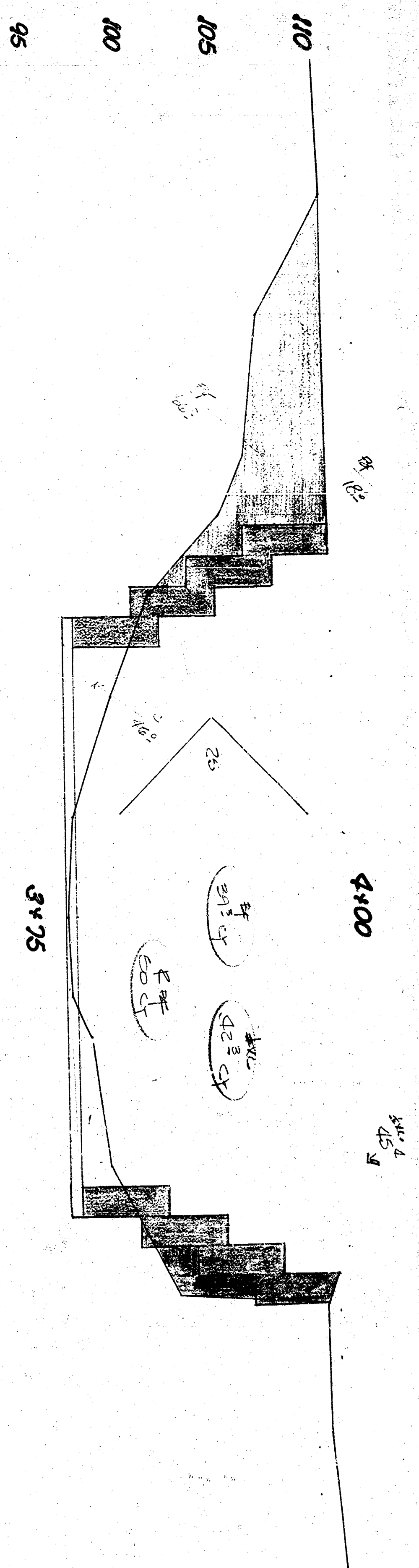
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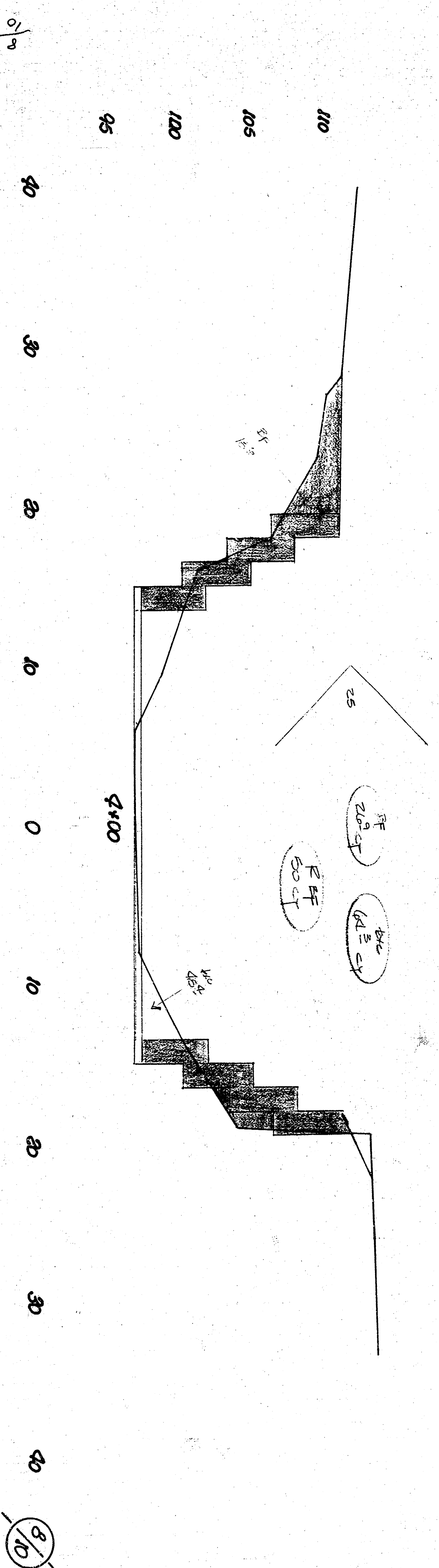
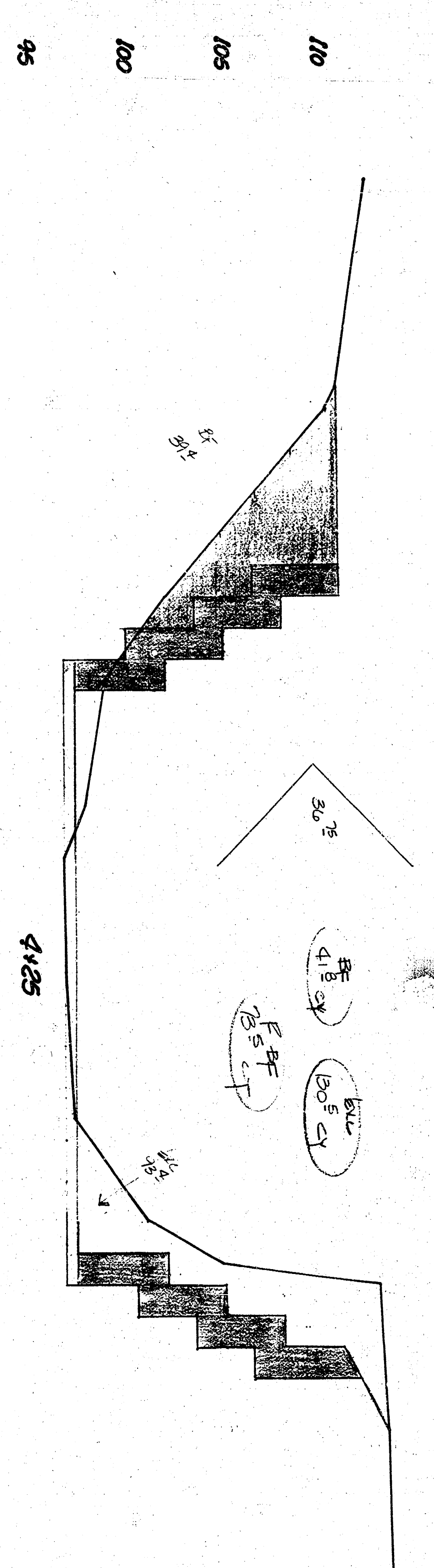
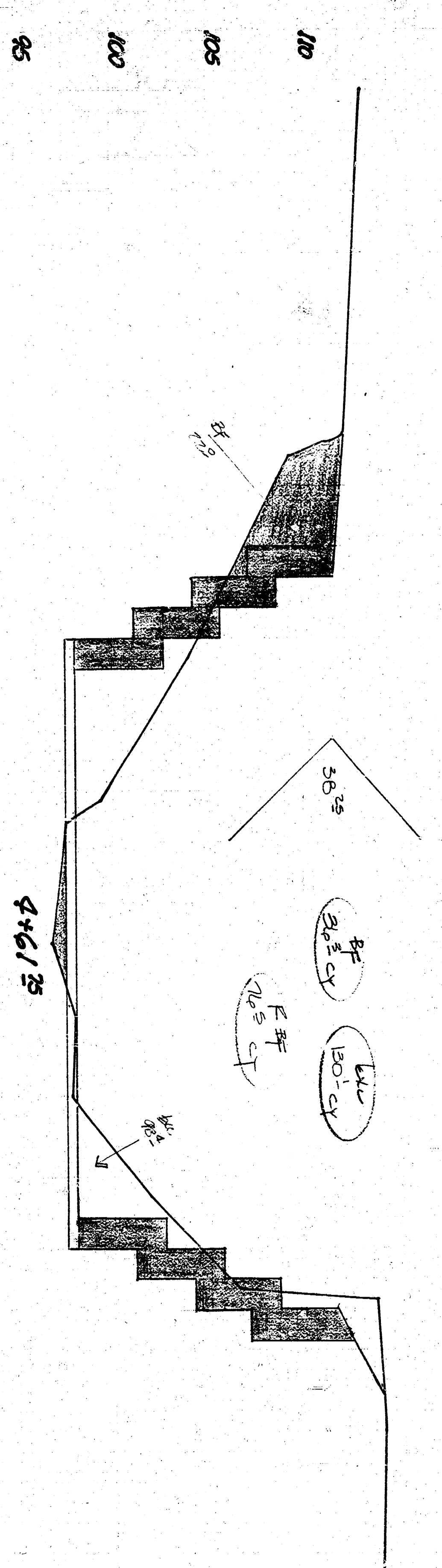
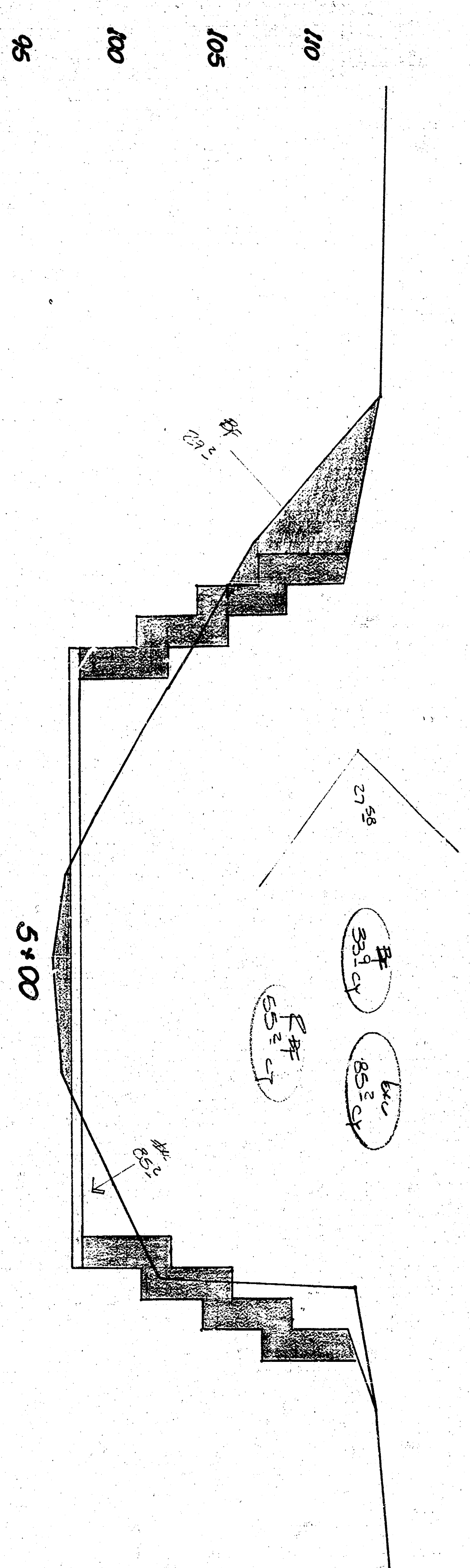
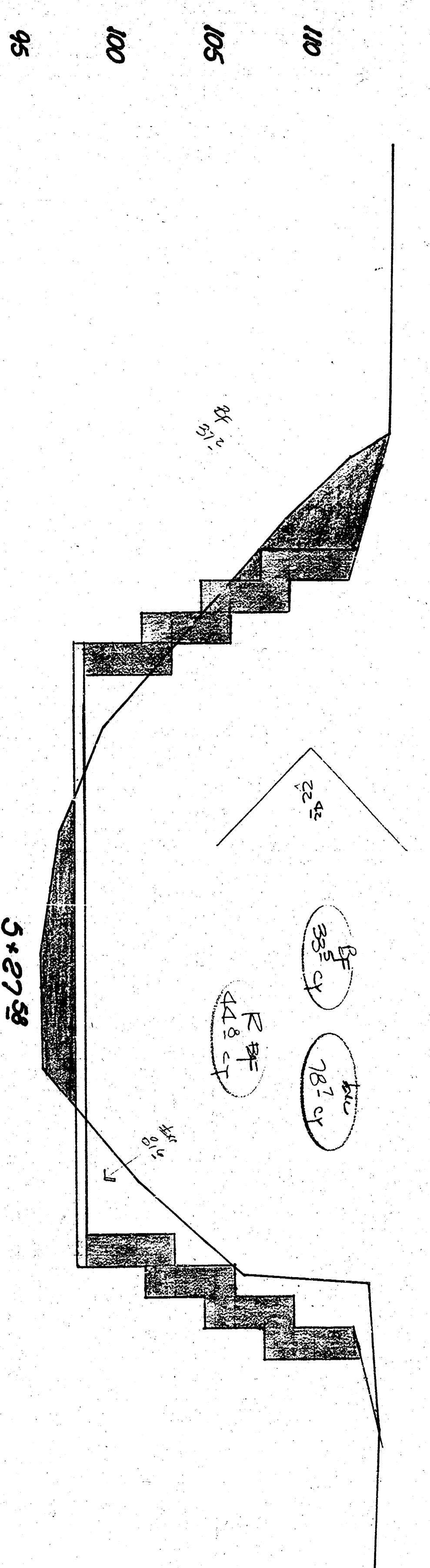
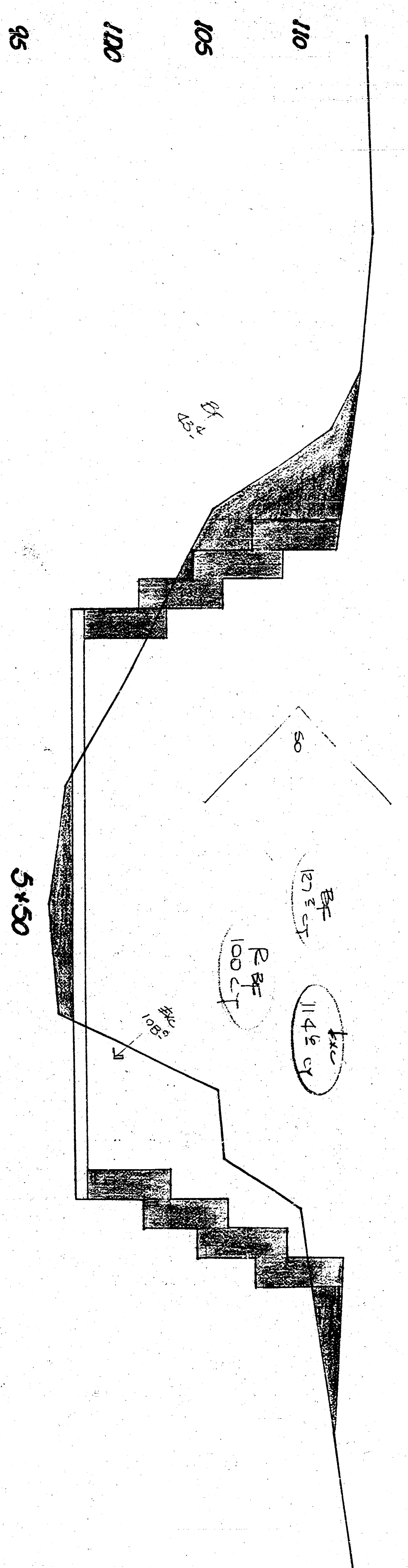
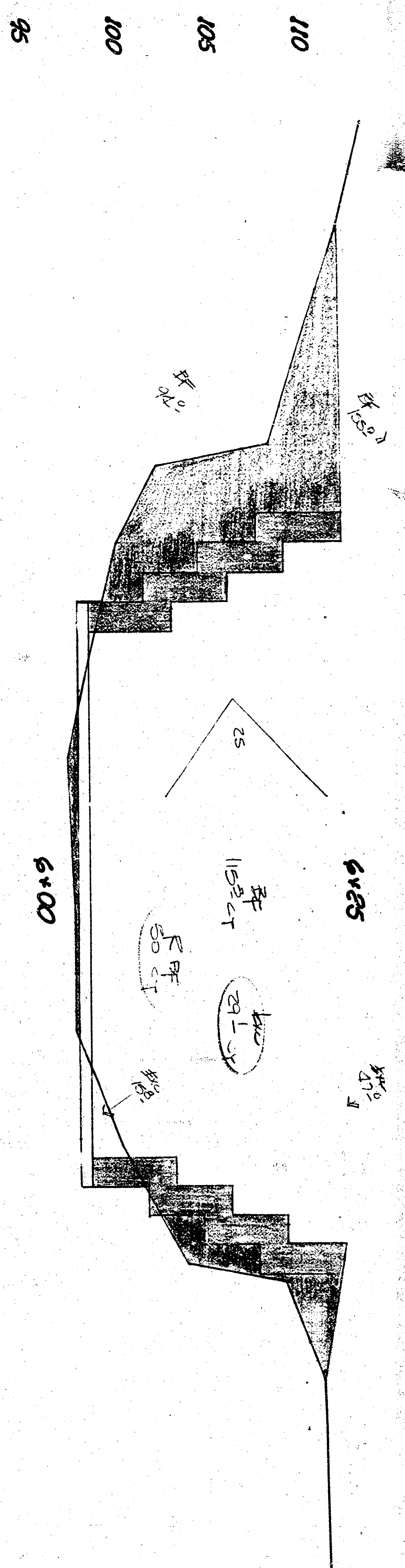


$$\begin{aligned} \text{Exc.} &= 28692 \times 933 = 26038 \text{ cu.} \\ \text{BF} &= 19493 \times 5318 = 24742 \text{ cu.} \\ \text{Back Fill} &= 15724 \end{aligned}$$

Day Creek Drainage
 N.L. Runes to 195' N. of Elmwood.
 MONS 505430

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50
10/

4

3

14

40

30

20

10

0

10

20

30

100

105

110

115

120

125

130

135

140

145

150

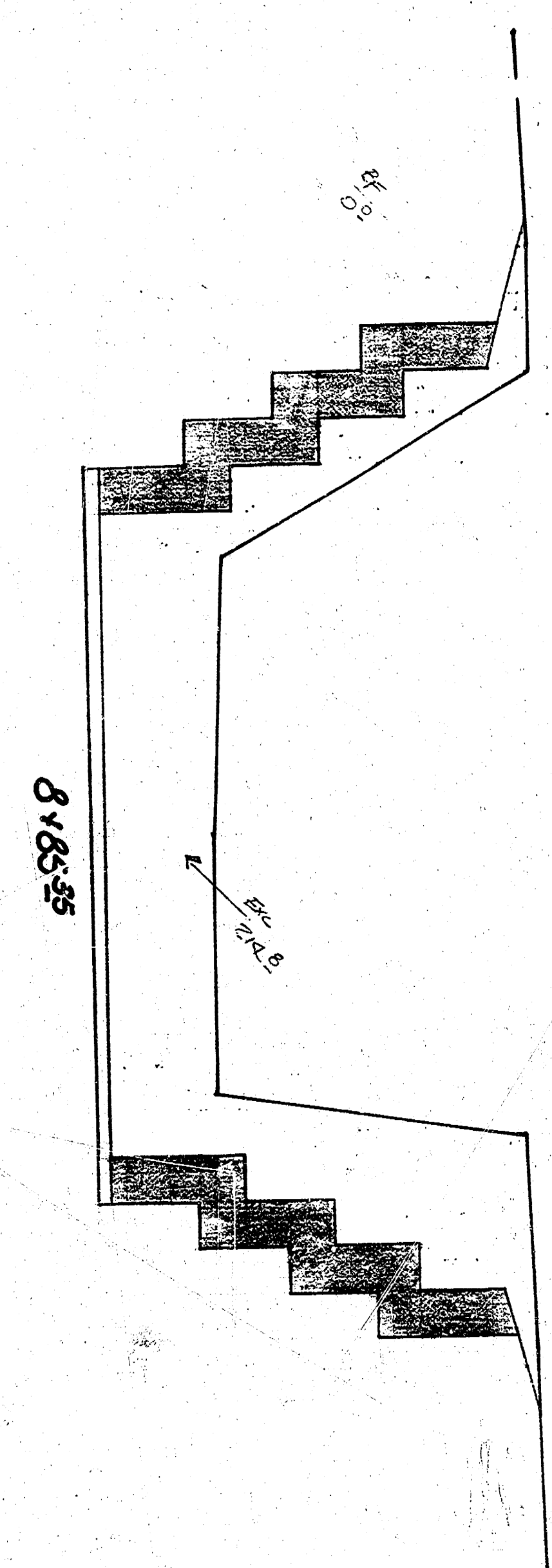
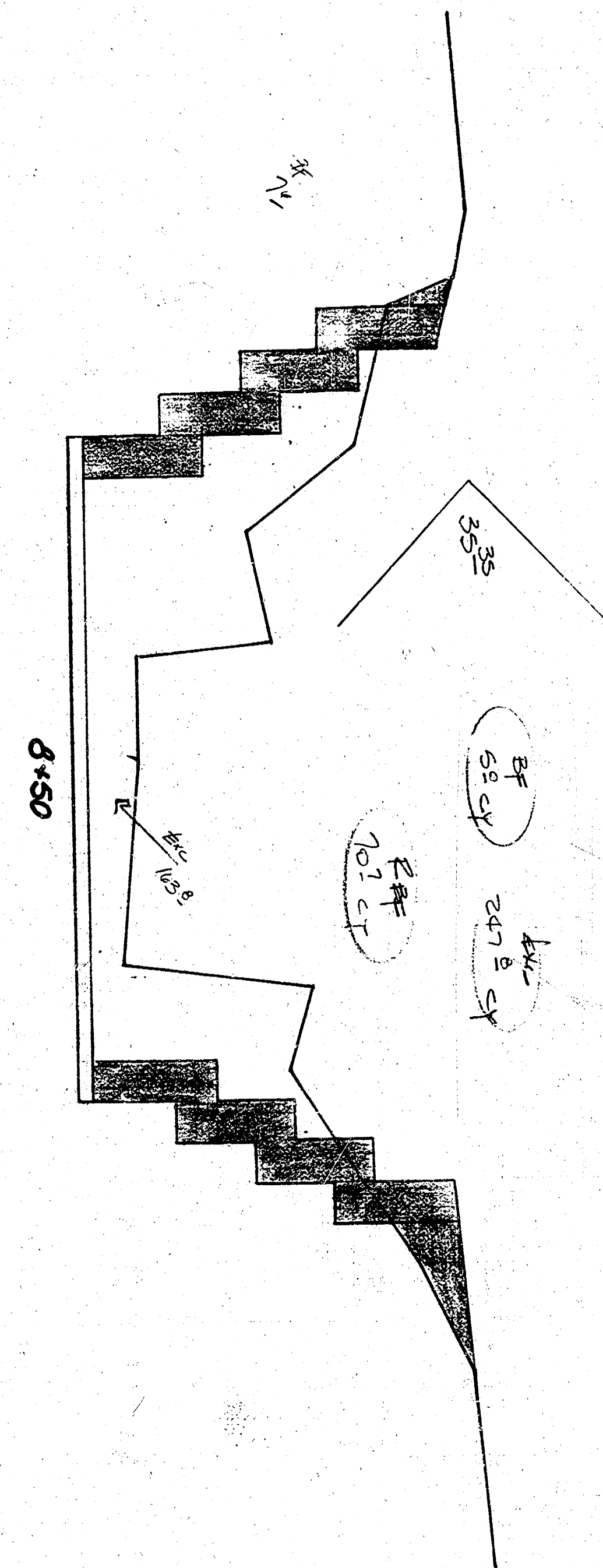
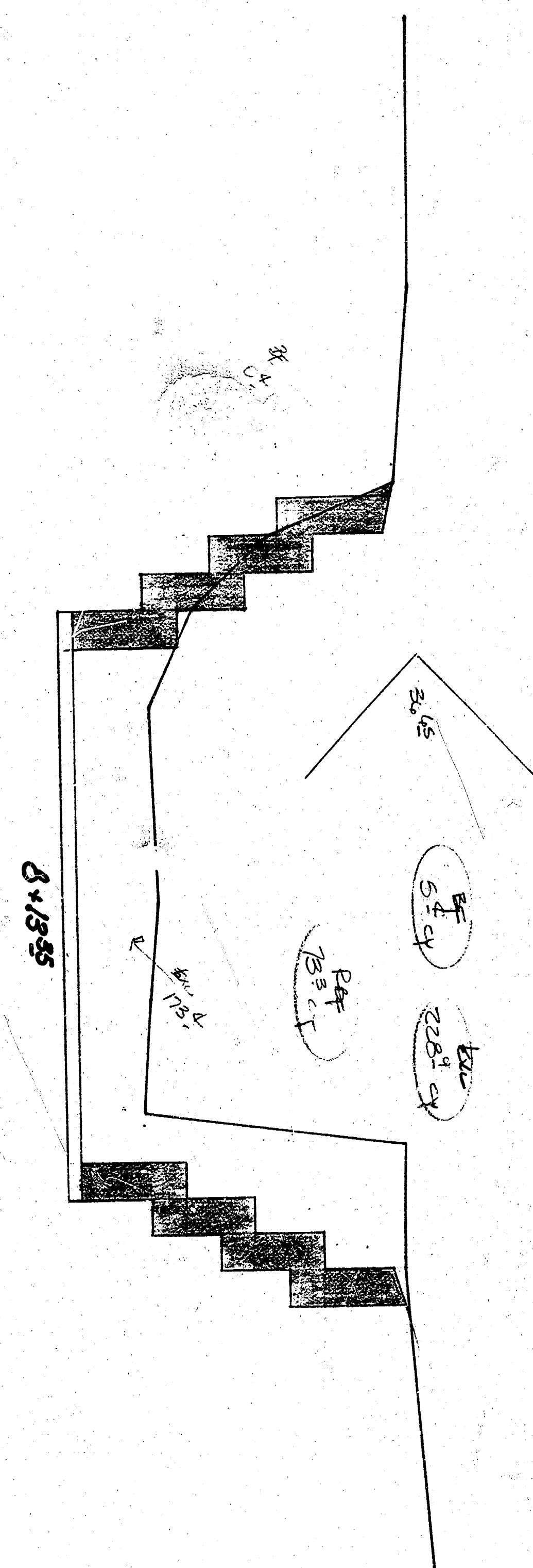
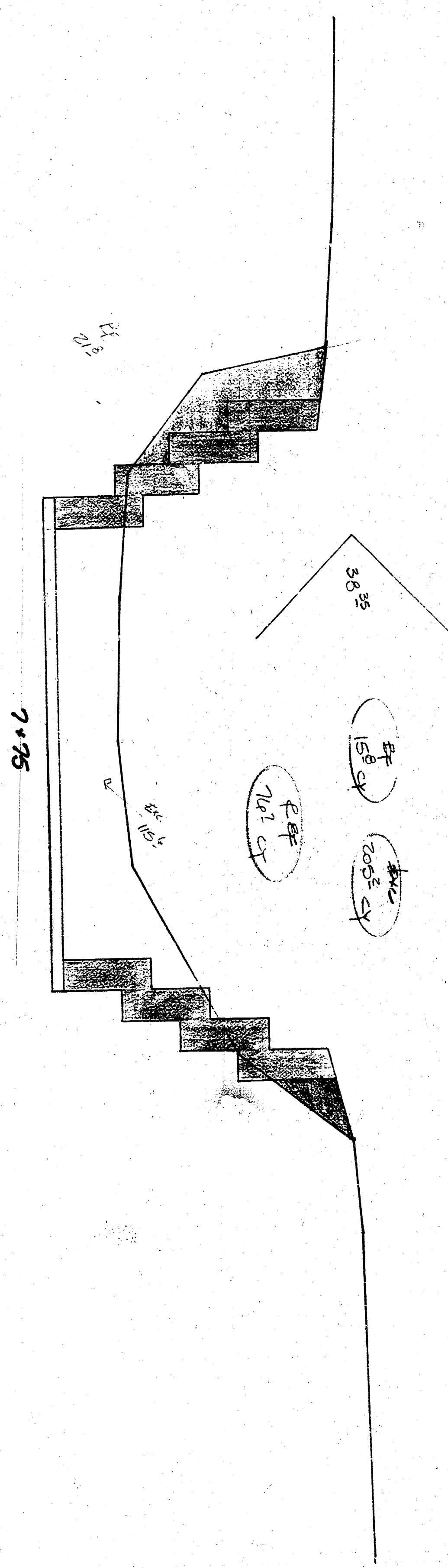
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