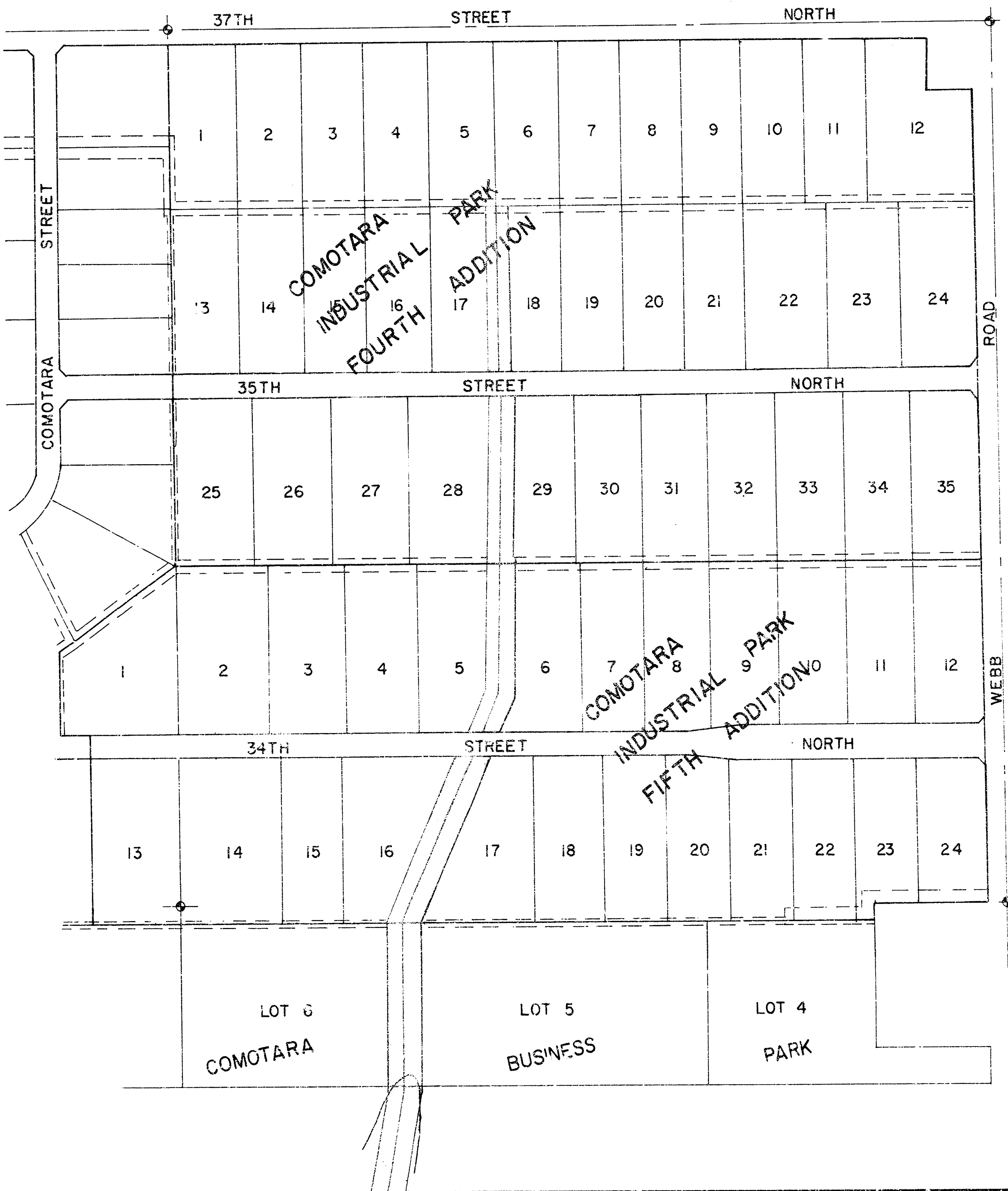


S.W.D. NO. 20
STORM CHANNEL IN COMOTARA INDUSTRIAL PARK

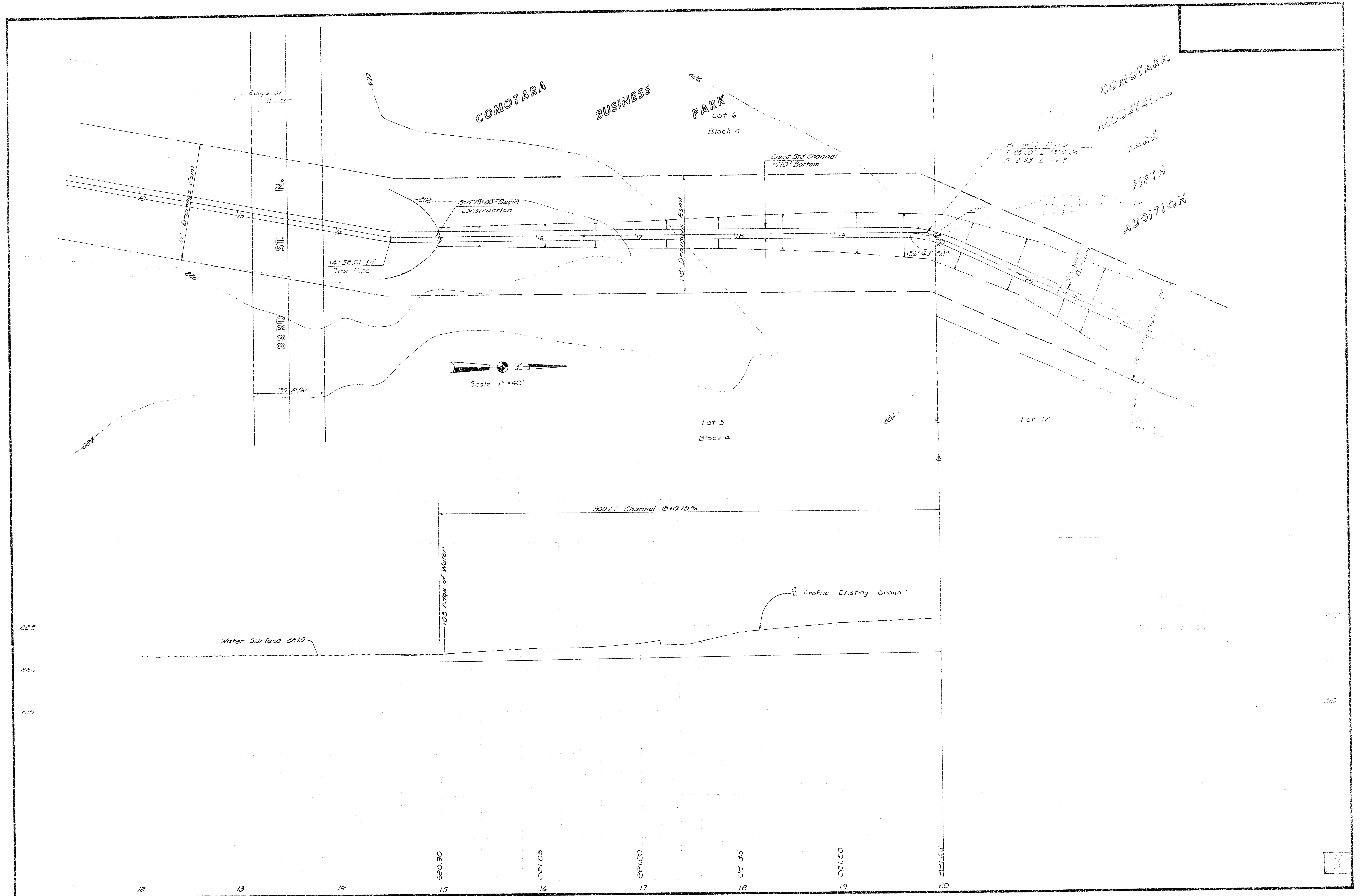
PROJECT NO.
468-76-245-80170-000-000-001
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER

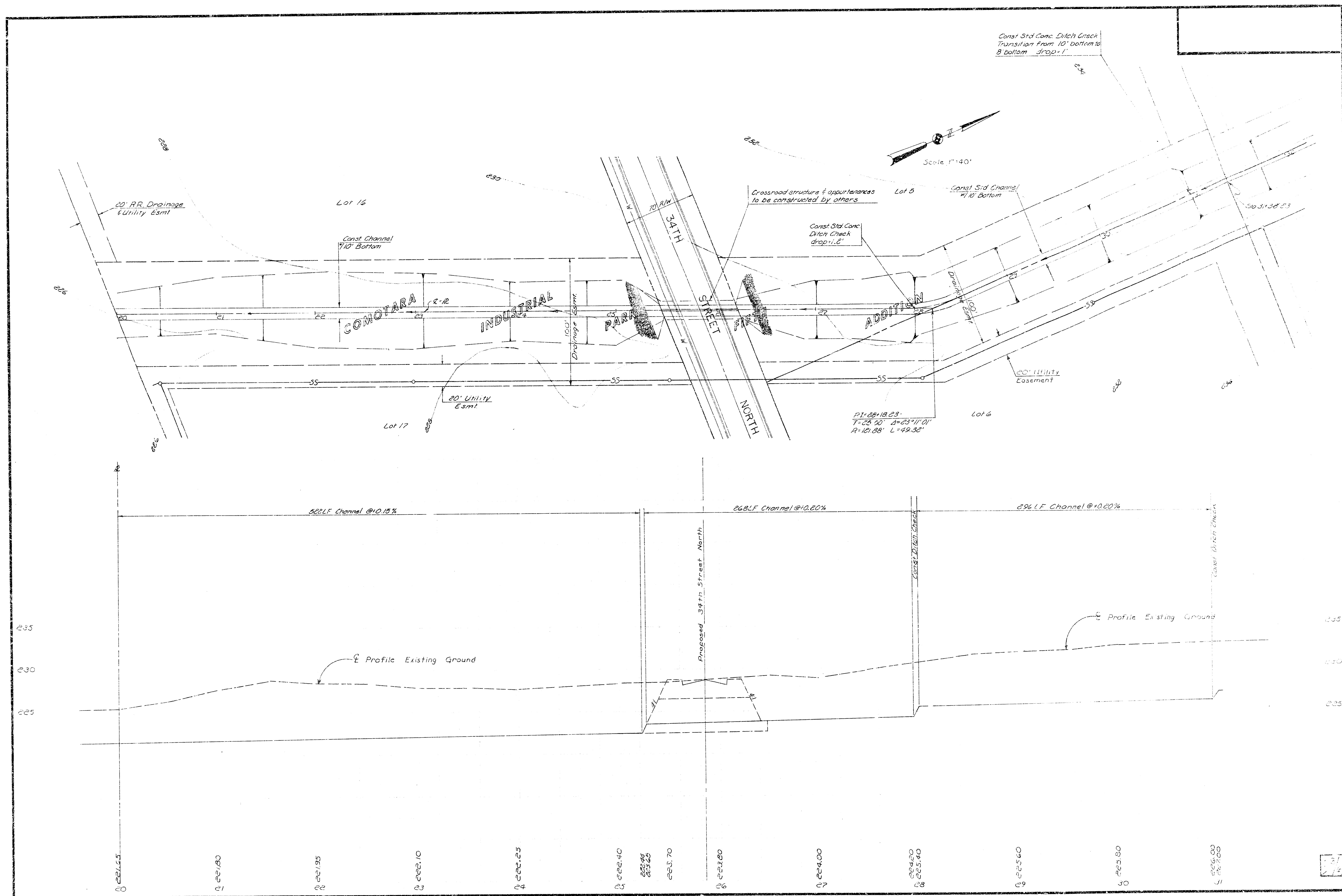
- GENERAL NOTES:
- 1. Excess excavated material to be disposed of on adjacent site as directed by developer, developer's engineer or site engineer.
 - 2. FIELD SIGNAGE SHALL BE 18" X 30" X 1/4" ALUMINUM PLATE WITH 1/2" X 1/4" X 1/4" ALUMINUM RODS SHALL BE REPLACED TO ORIGINAL LOCATION AND REPAIRED.

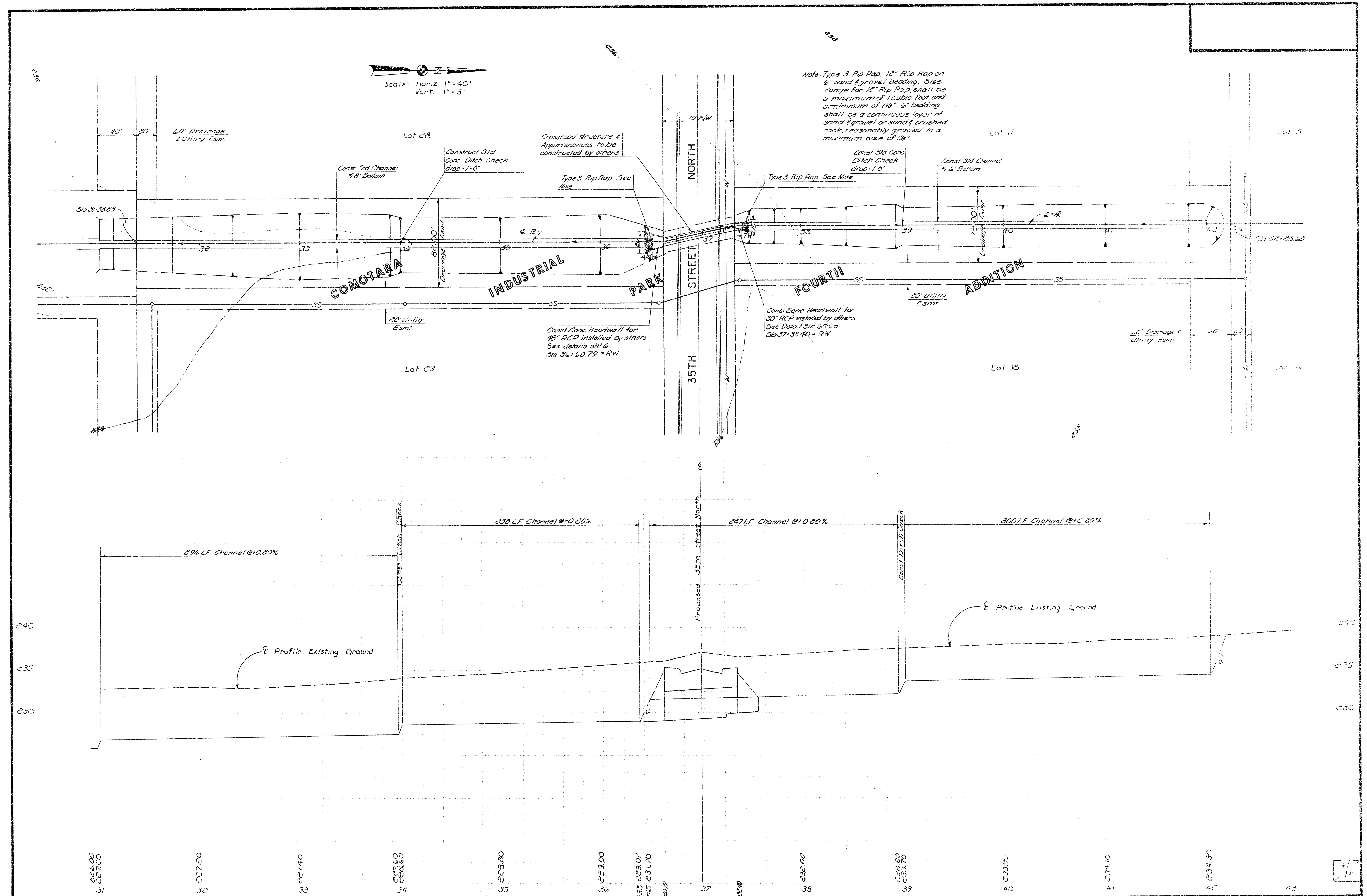


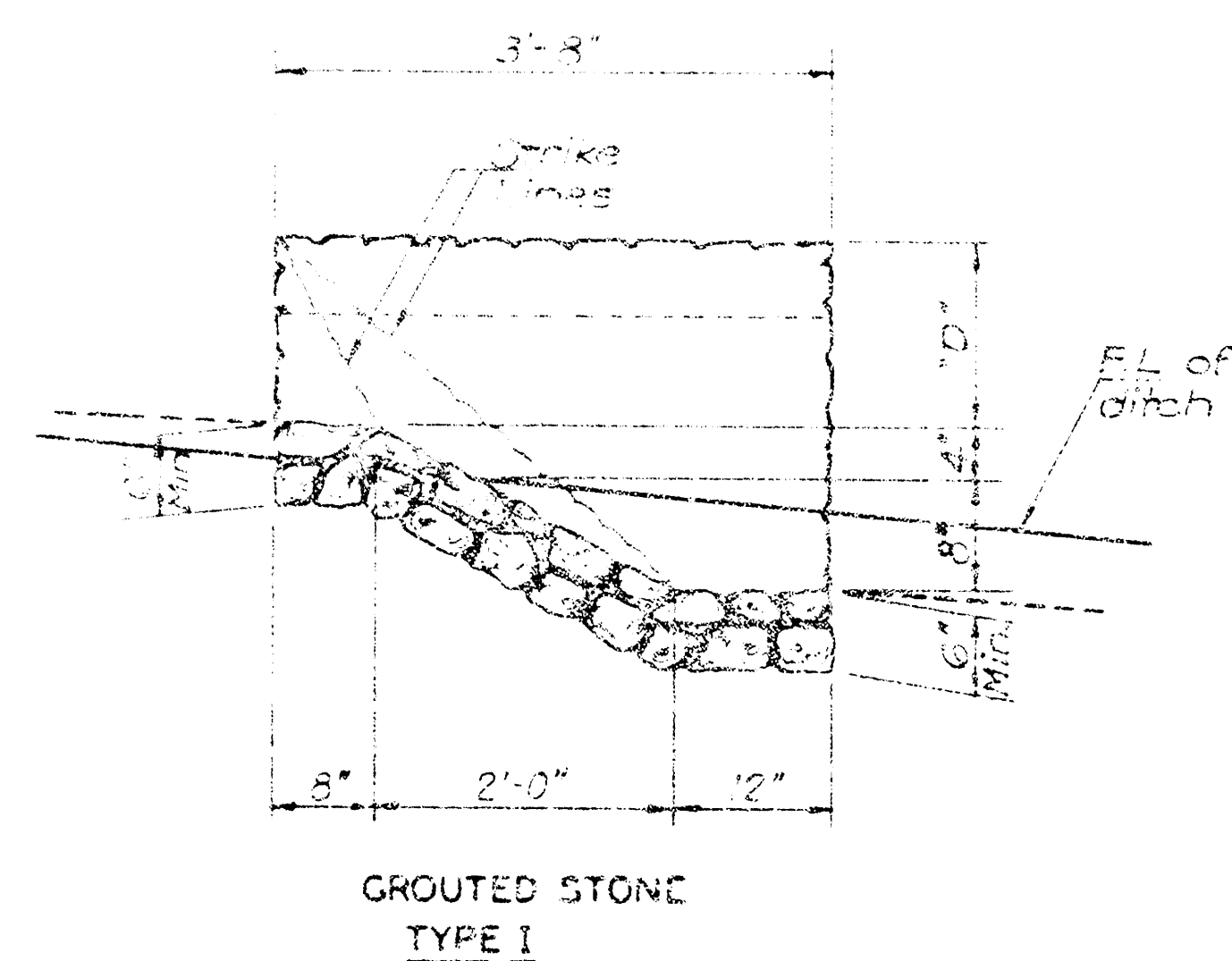
INDEX TO DRAWINGS

- 1 TITLE SHEET
- 2-4 PLAN & PROFILE
- 5 DITCH DETAILS
- 6 HEADWALL DETAIL
- 6a SOIL SAVER DETAIL
- 7-11 CROSS SECTIONS



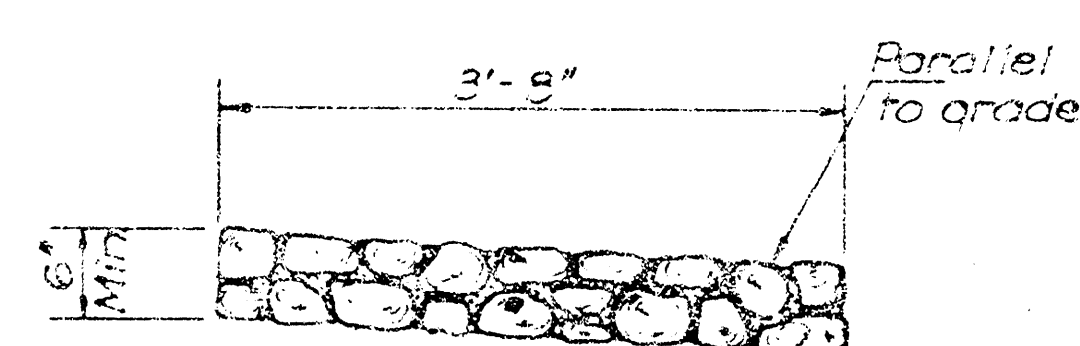






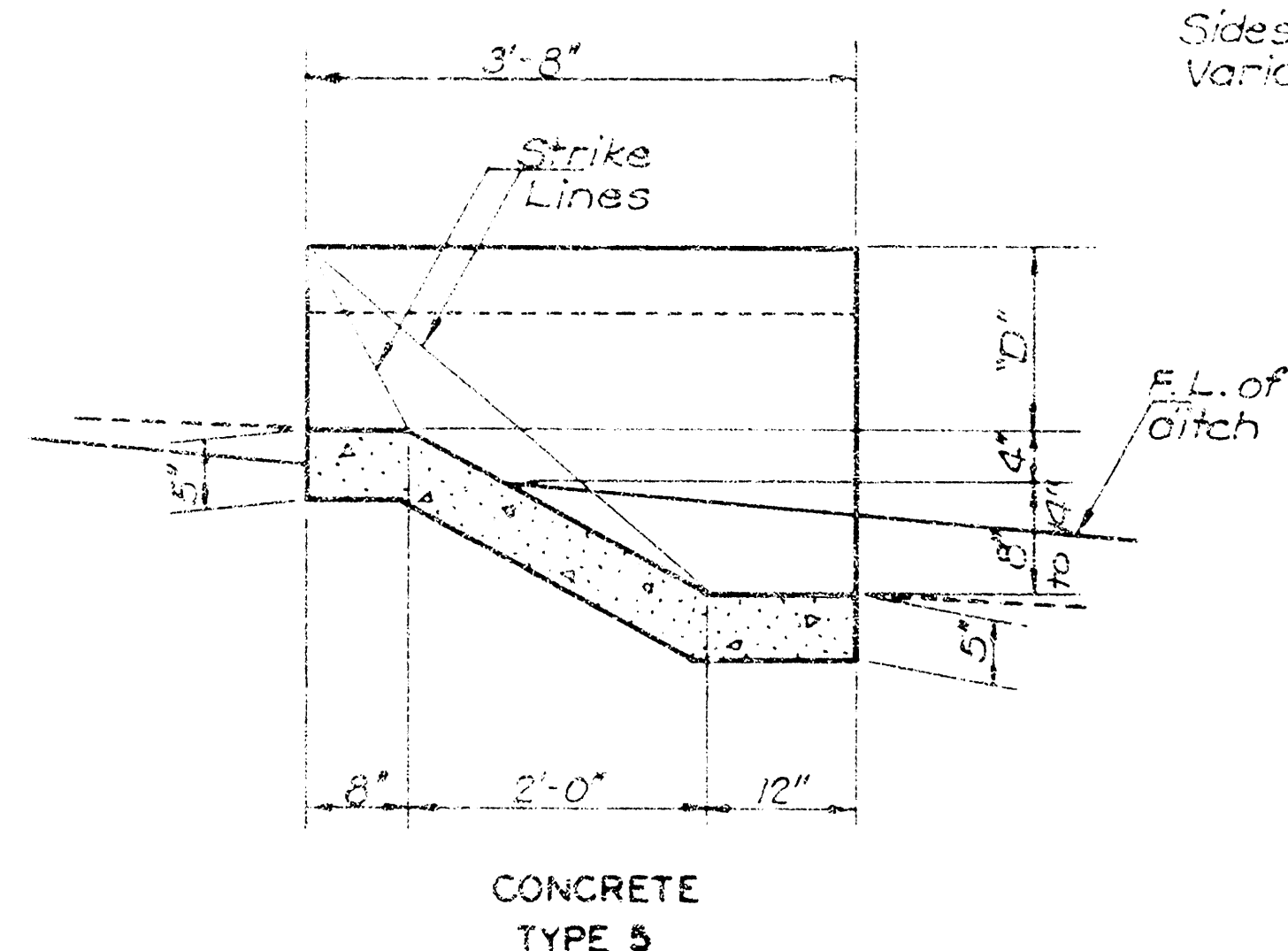
GRAOUTED STONE
TYPE I

SECTION A-A
Without Toe Wall.

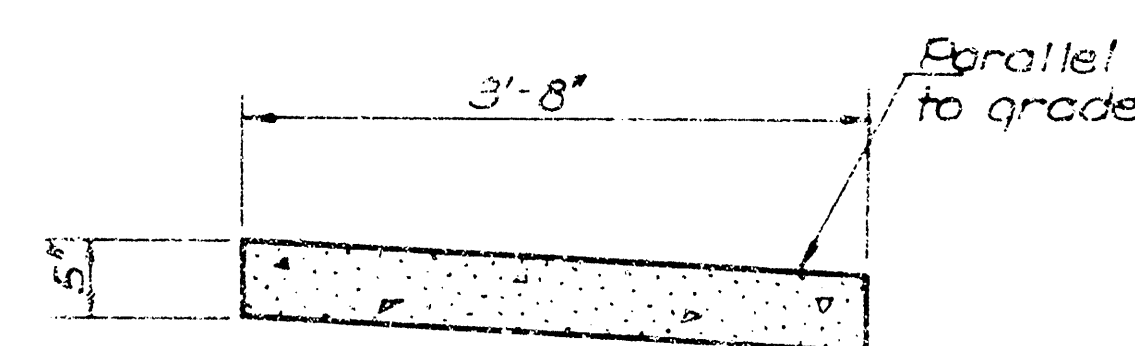


GRAOUTED STONE
TYPE I

Note: The stone in all stone wash checks shall be laid in a 3" mortar bed and the spaces between stones shall be filled with mortar.

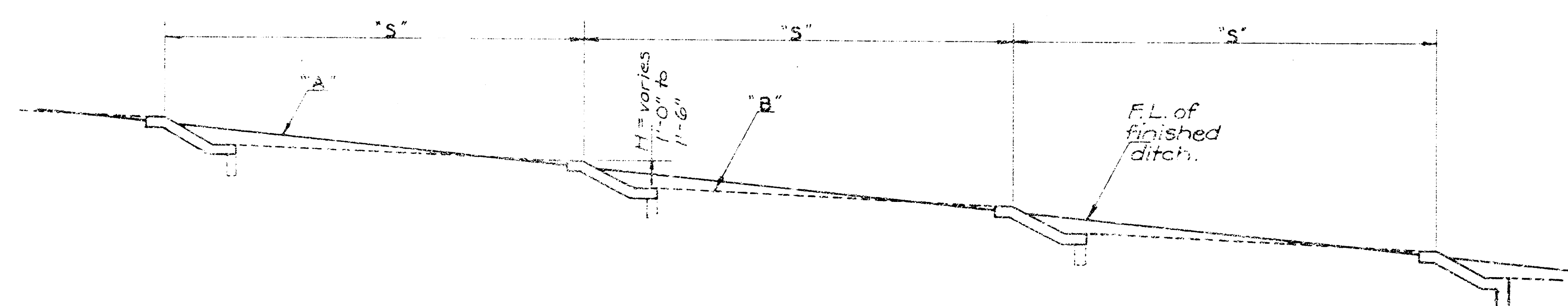


CONCRETE
TYPE 2



CONCRETE
TYPE 2

Note: Use Class "A" concrete thruout for Type 2 & 5-T Wash Checks.



SPACING DIAGRAM
Same for each type.

S = Spacing of units in feet (10' min.).
A = Percent grade of ditch.
B = Percent at which washing is expected to stop. This will vary with the type of soil, etc.
H = Height of drop at each unit.

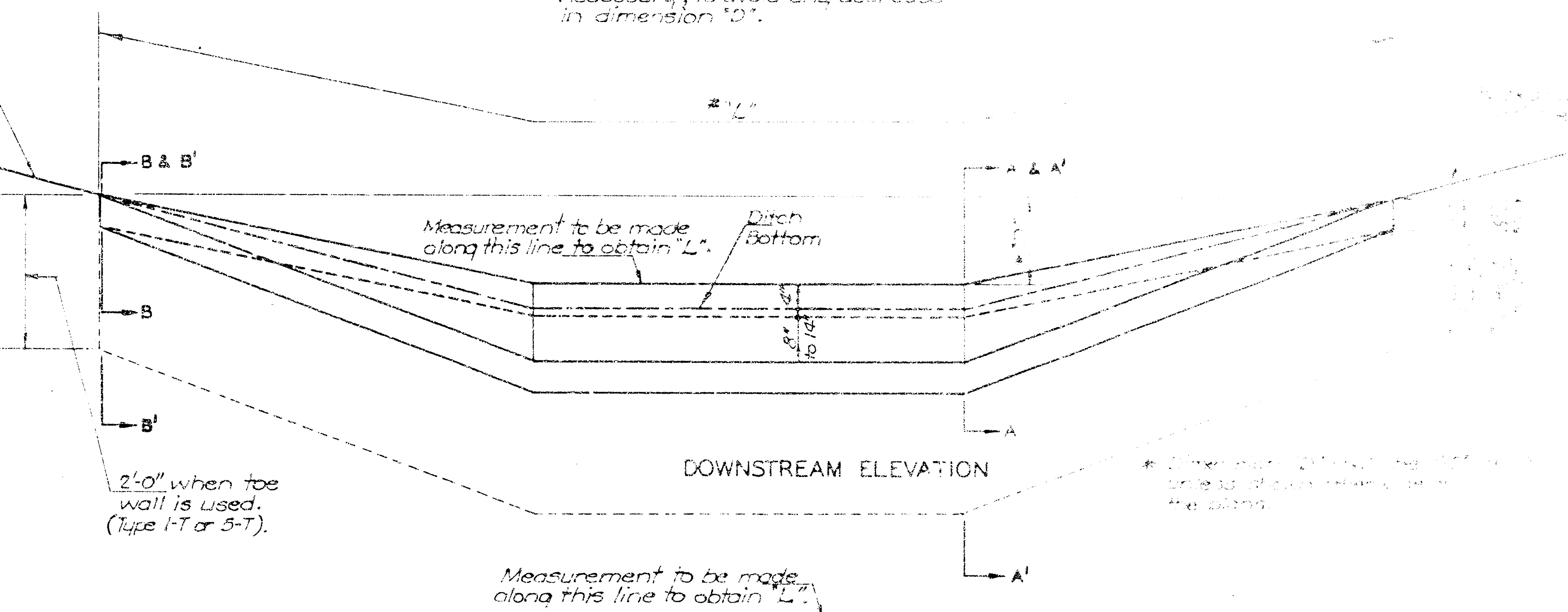
$$S = \frac{100H}{(A-B)} \text{ (1.0' min.)}$$

FORMULA

TABLE OF SPACING Same for each type			
(A-B)	Spacing	(A-B)	Spacing
1	100'	6	17'
1.5	67'	6.5	15.5'
2	50'	7	14'
2.5	40'	7.5	13'
3	33'	8	12.5'
3.5	29'	8.5	12'
4	25'	9	11'
4.5	22'	9.5	10.5'
5	20'	10	10'
5.5	18'		

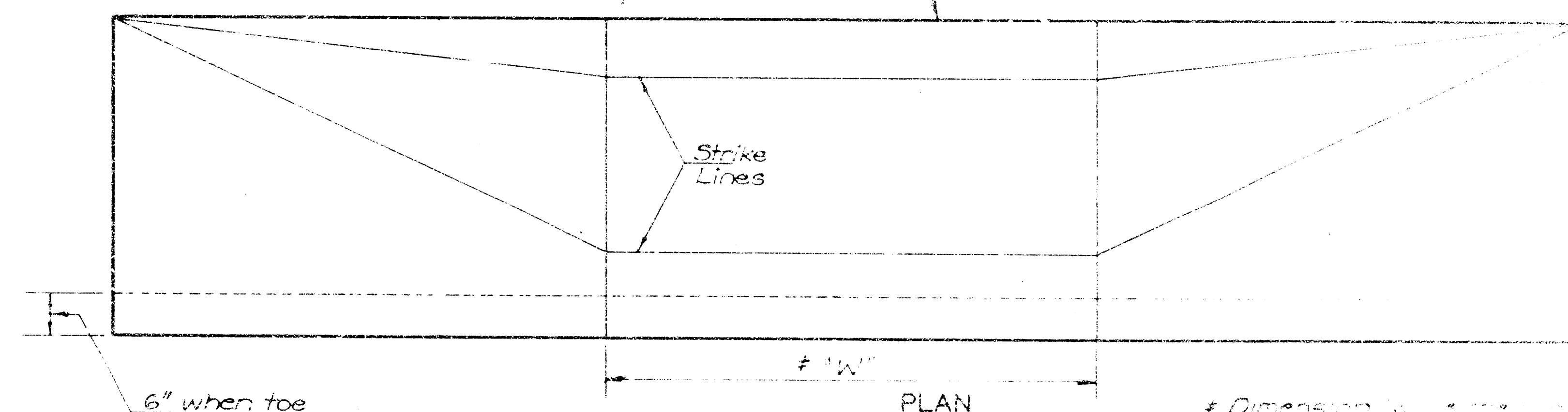
Dimension "L" may be varied if necessary, to avoid any decrease in dimension "D".

Sideslope
Variable



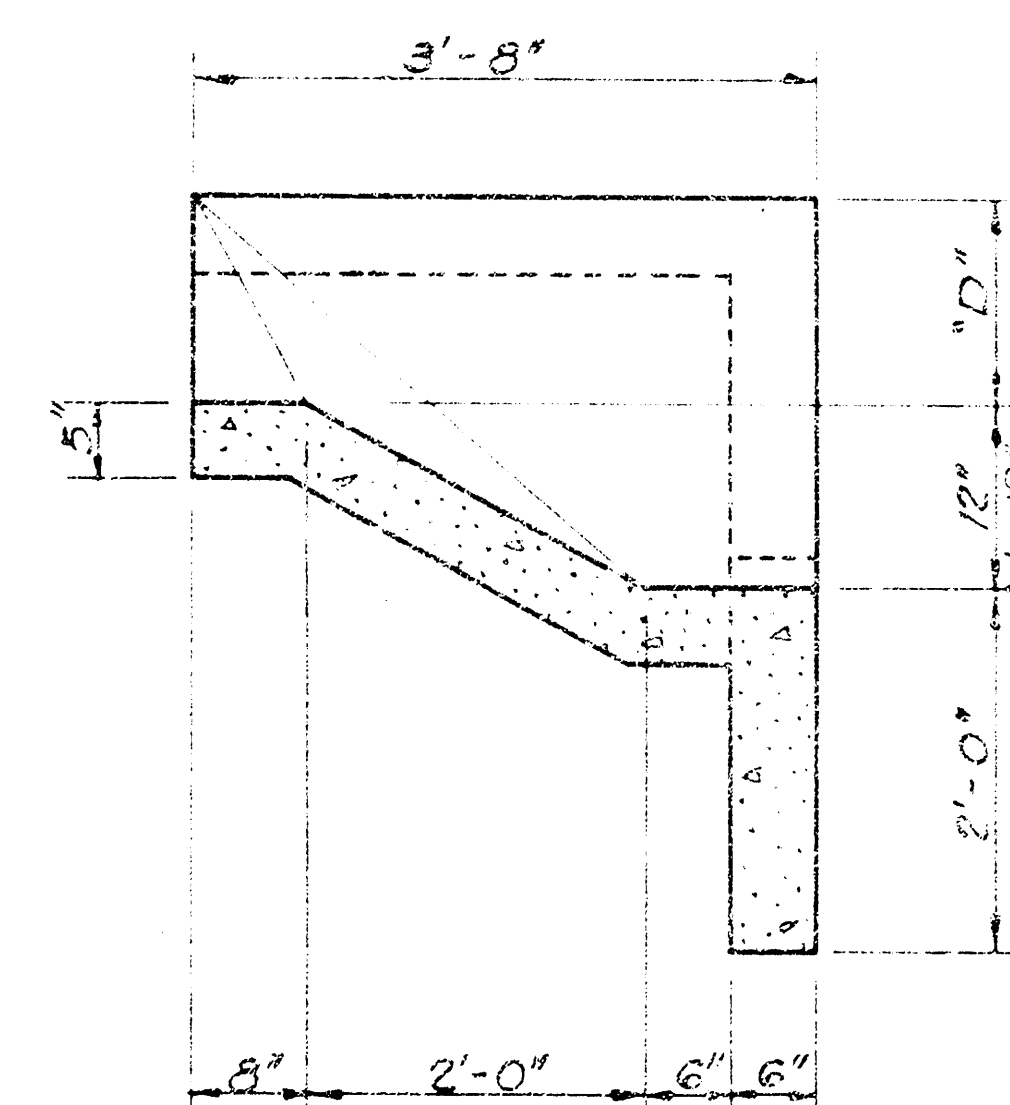
DOWNSTREAM ELEVATION

Measurement to be made along this line to obtain "L".



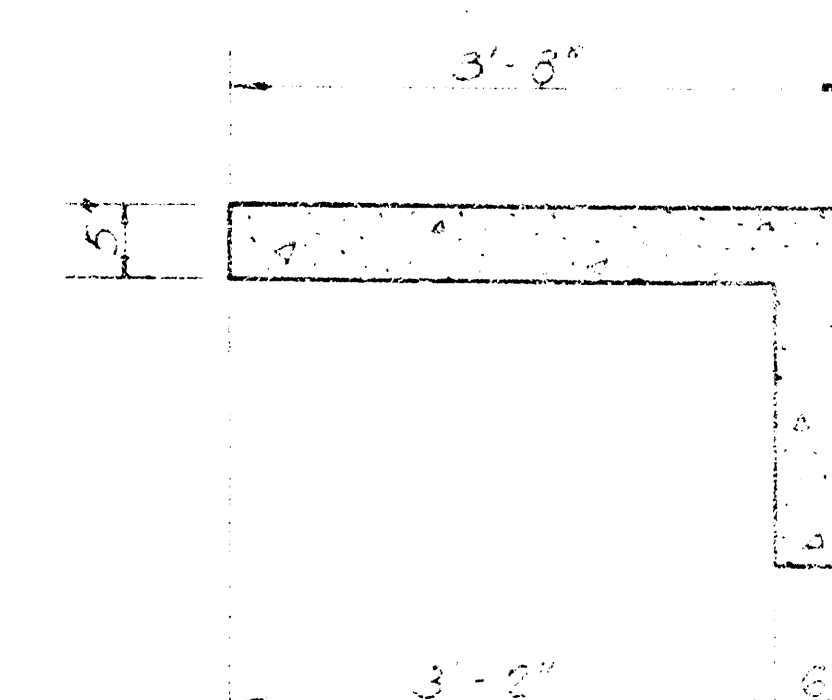
PLAN

Dimension "L" of the ditch as shown on the plan.

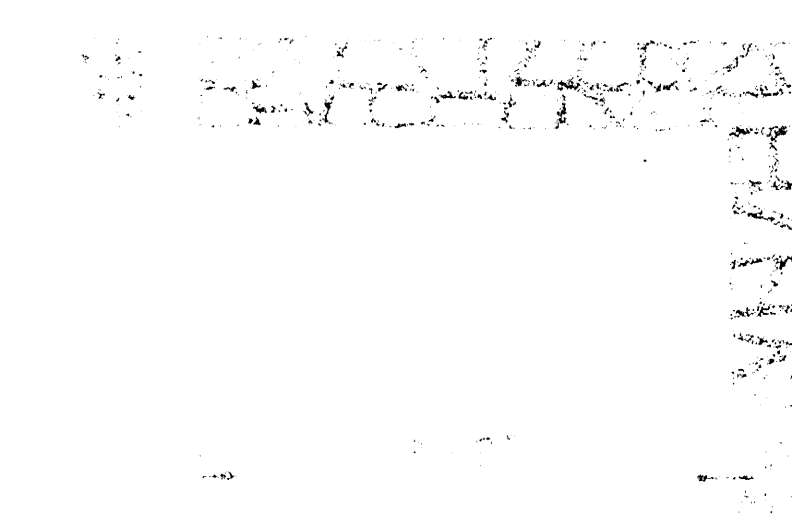


SECTION A'-A'
With Toe Wall
TYPE 2-T

Note: Type 2-T or 5-T wash checks shall be used on the lowest unit in each row. Additional locations where these units are to be constructed shall be designated by the Engineer.



SECTION B'-B'
With Toe Wall
TYPE 2-T



SECTION B-B'
Without Toe Wall
TYPE 2

Note: These wash checks shall be used on the lowest unit in each row.

KANSAS DEPARTMENT OF TRANSPORTATION

WASH CHECKS
TYPE 1 & TYPE 2

STD NO 508

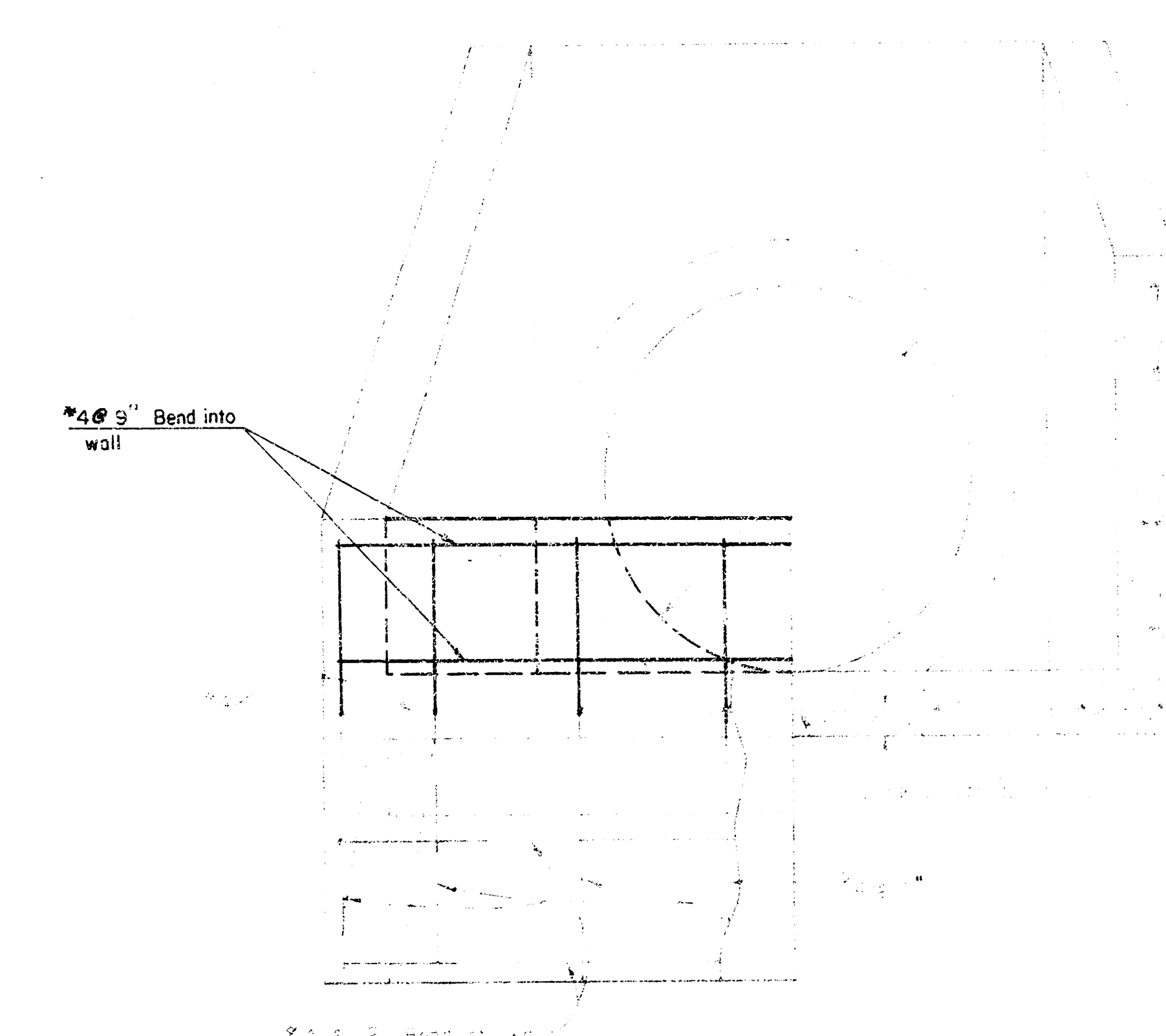
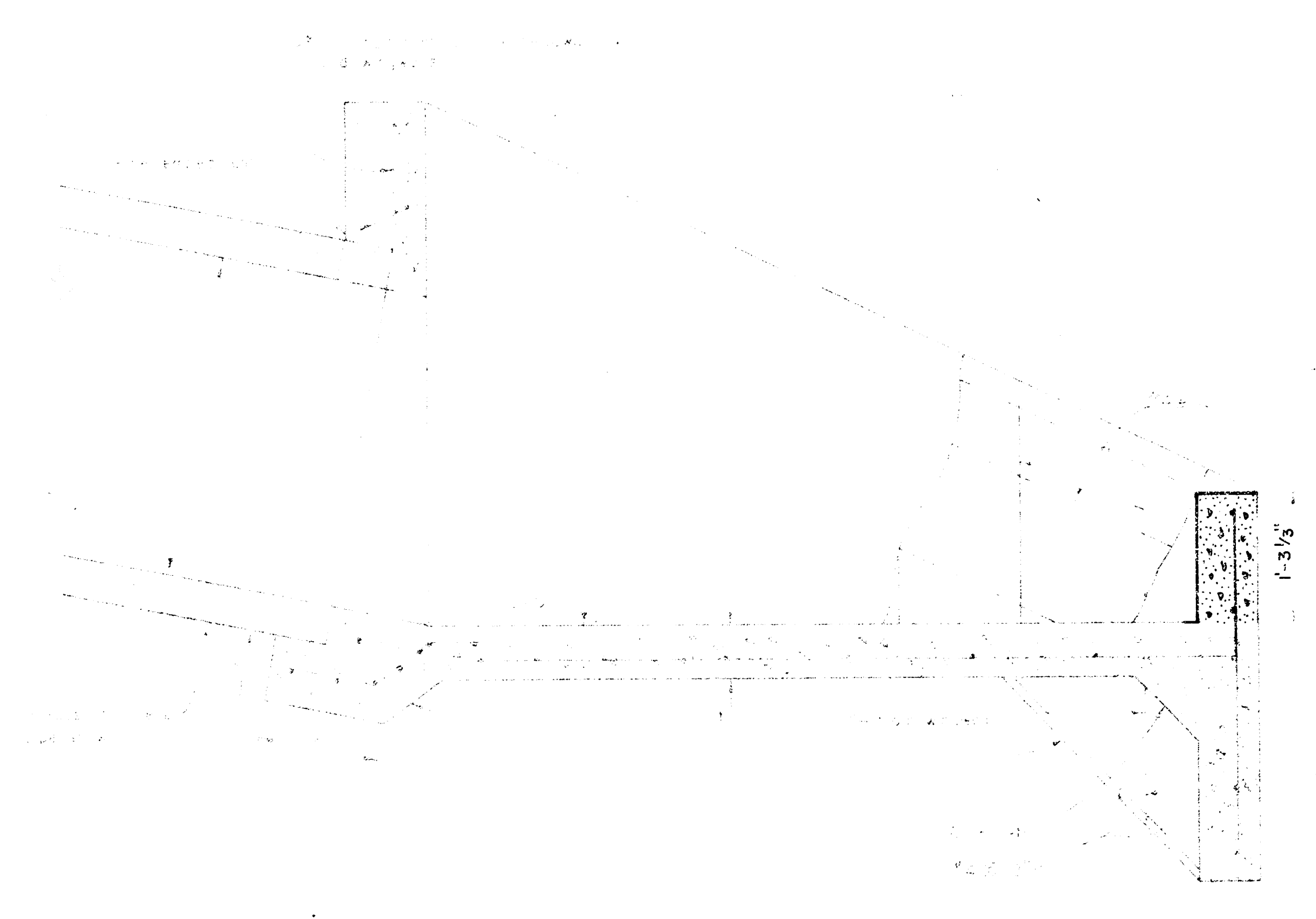
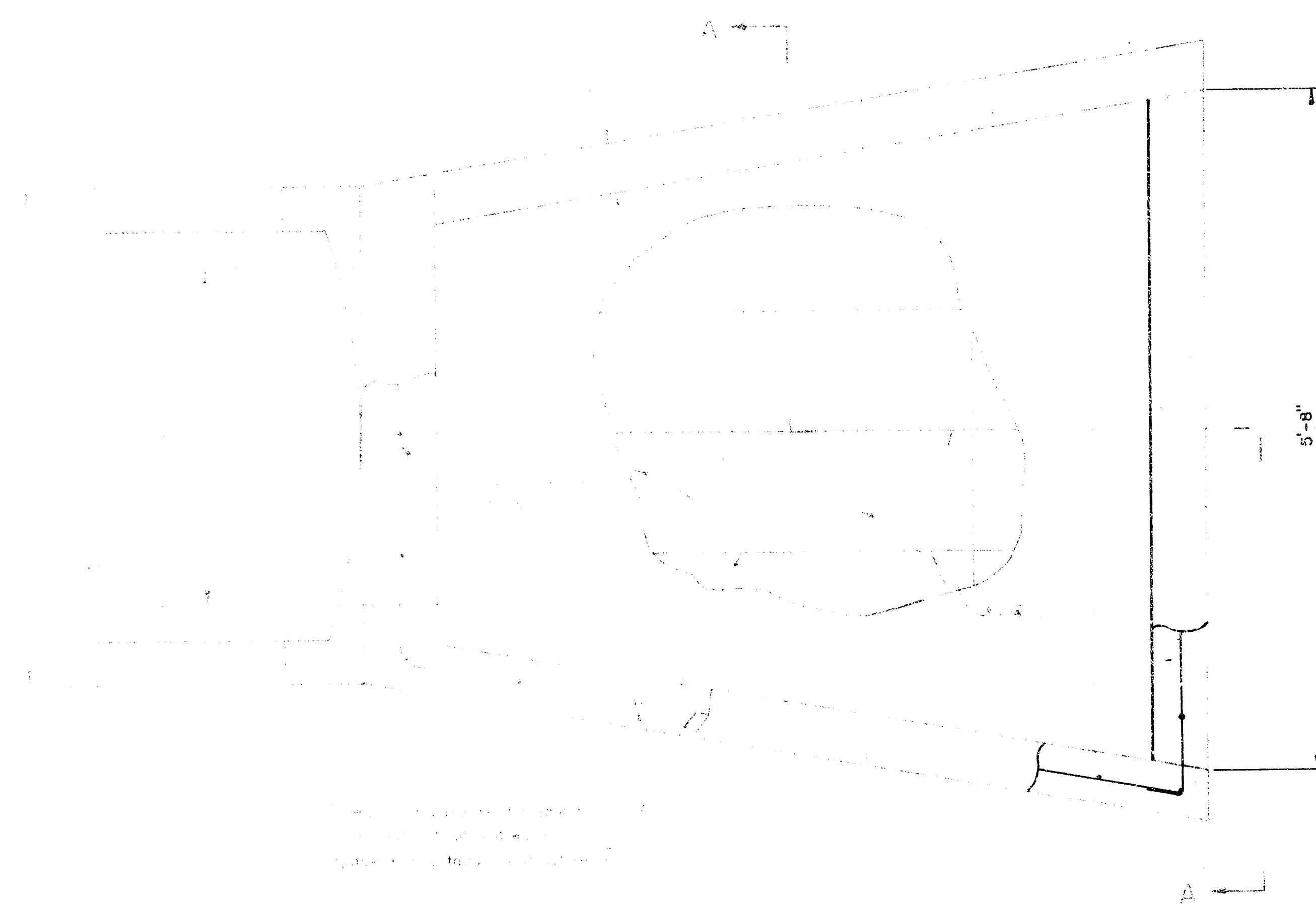
DESIGNED BY: [] CHECKED BY: []

DATE: []

DESIGNER: []

ENGINEER: []

5



SECTION A-A

K.H.B. FEB. 79 78-226	SOIL SAVER FOR R.C. CULVERT	
	11	