

46th STREET SOUTH
W.L. LOT 14, BLK. I, SOUTH BROADWAY
INDUSTRIAL PARK ADDn TO W.L. SANTA FE

&

4-12'x13' R.C.B.C.

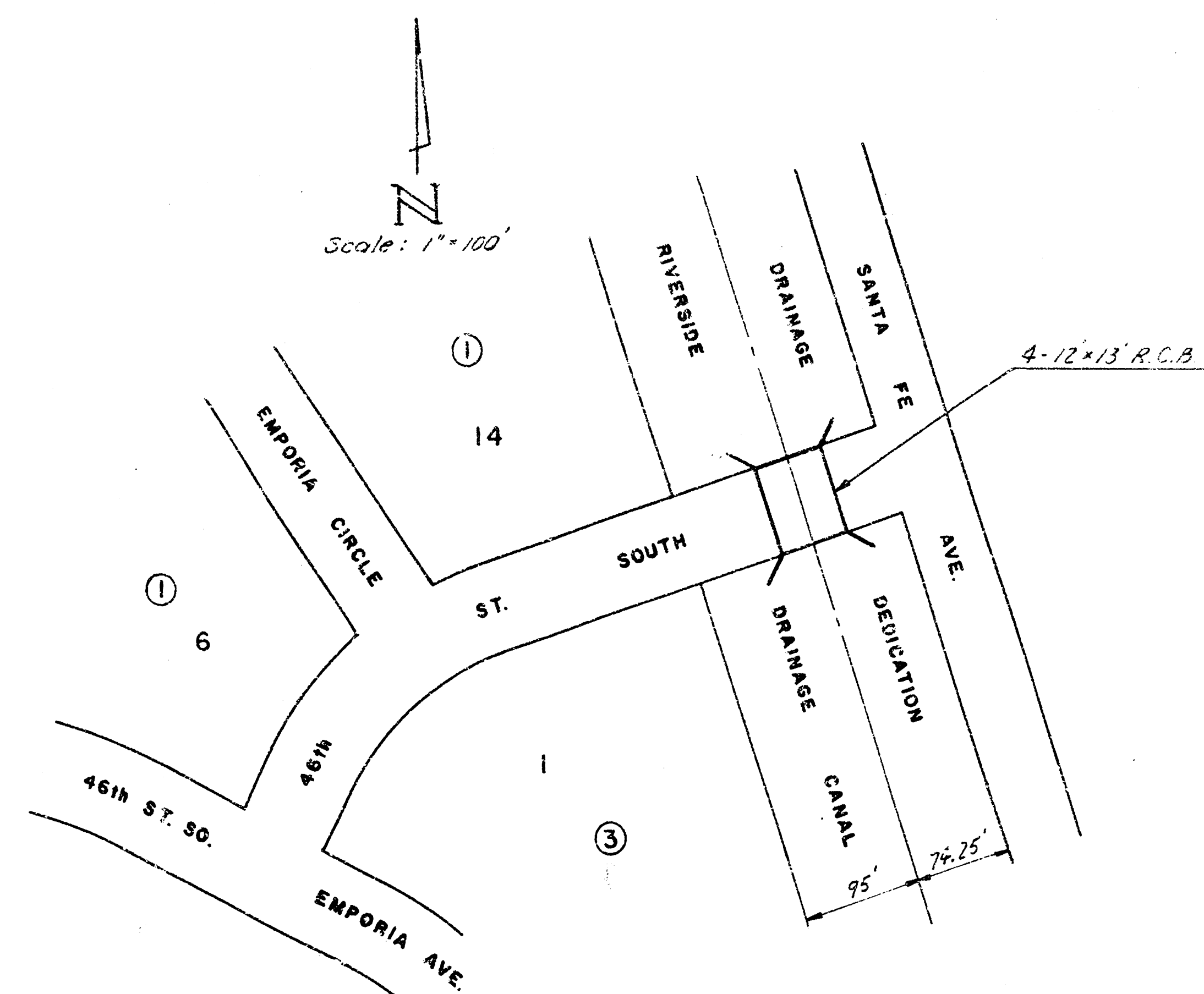
46th STREET SOUTH &
RIVERSIDE DRAINAGE CANAL

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

DATE:

PROJ. NO. 472 76 245 80756 000 000 001

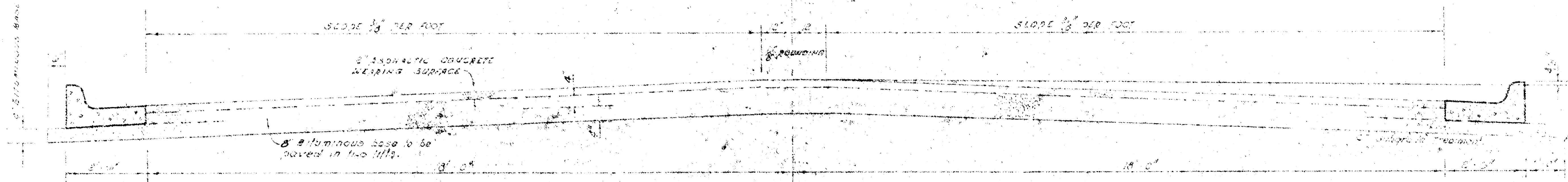


LOCATION MAP



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46th STREET SOUTH
BLK I, SOUTH BROADWAY INDUSTRIAL PARK
TO W.L. SANTA FE AVE.
4 - 12'x13' R.C.B.C. -
46th STREET SOUTH &
RIVERSIDE DRAINAGE CANAL



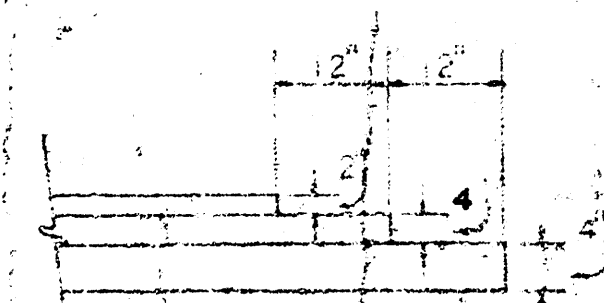
TYPICAL SECTION

41' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT 155-115 SHALL BE APPLIED AT AN APPROXIMATE RATE 0.03 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR SLOPE AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

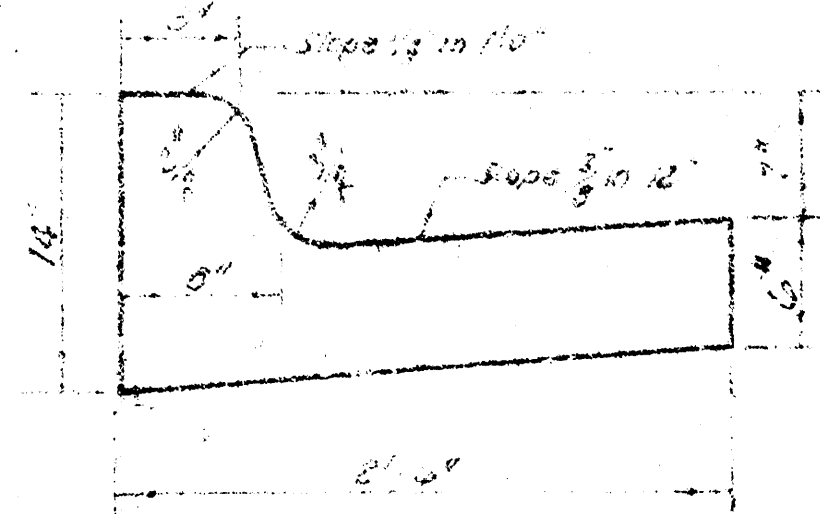
DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE
PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE
PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE
TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY
BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC
CONCRETE PAVEMENT.

The a/c pavement between the curb and 1' from curb
be paid as 2nd class 10" a/c pavement 18" from curb and 1'
the bituminous base under the curb curb 1' from curb
be paid as 50 yds 4" bituminous base.

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



CITY OF WICHITA, KANSAS

DEPARTMENT of PUBLIC WORKS - Engineer - G
Division


 JPL
 4800 GILMAN AVENUE
 PASADENA, CA 91109-1085
 TEL: 626/395-2000
 FAX: 626/395-2000
 WWW: JPL.NASA.GOV

PROJ. NO. 472 76 245 80756 000 000 001

B.M. 8423 Broadway / 41st St S, 28' E. of 28th N. of Sec. Cor.
 B.M. 8522 N. Side 47th St S, Approx. 50' W. of Santa Fe Ave. Square cut in N.E. Cor. Box Culvert

NOTE: Prior to beginning construction,
 Contractor shall call: State Oil Corp
 264-8378

Scale: 1"=20'

EMPORIA CIRCLE

SANTA FE AVE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING POINTS TO BE SET AND FOR THE QUALITY OF THE SETTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE CONSTRUCTION AND FOR THE PROTECTION OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND FOR THE PROTECTION OF THE EXISTING UTILITIES.

All curb inlets & S.W.S. pipe by others

$\Delta = 8^{\circ}12'09''$ $R = 250'$ $T = 129.3'$ $L = 35.79'$ $LC = 35.76'$

CURVE DATA BASED ON $RAD_{\frac{\Delta}{2}} = 4^{\circ}06'04.5''$

STA.	ARC	CHORD LENGTH	DEFLECTION	TOTAL
0+30.78			0°00'00"	0°00'00"
0+41.87	11.09	12.33	1°06'15"	1°06'15"
0+50	8.13	9.04	1°06'15"	1°06'15"
0+66.57	16.57	18.42	1°06'15"	1°06'15"

Deflect. = 6.87552 min./ft.

NOTE: S.W.S. shown on this plan has been constructed.

NOTE: Trees to be removed are marked thus  except that any trees marked for removal which in the opinion of the Engineer can be saved, shall be spared.

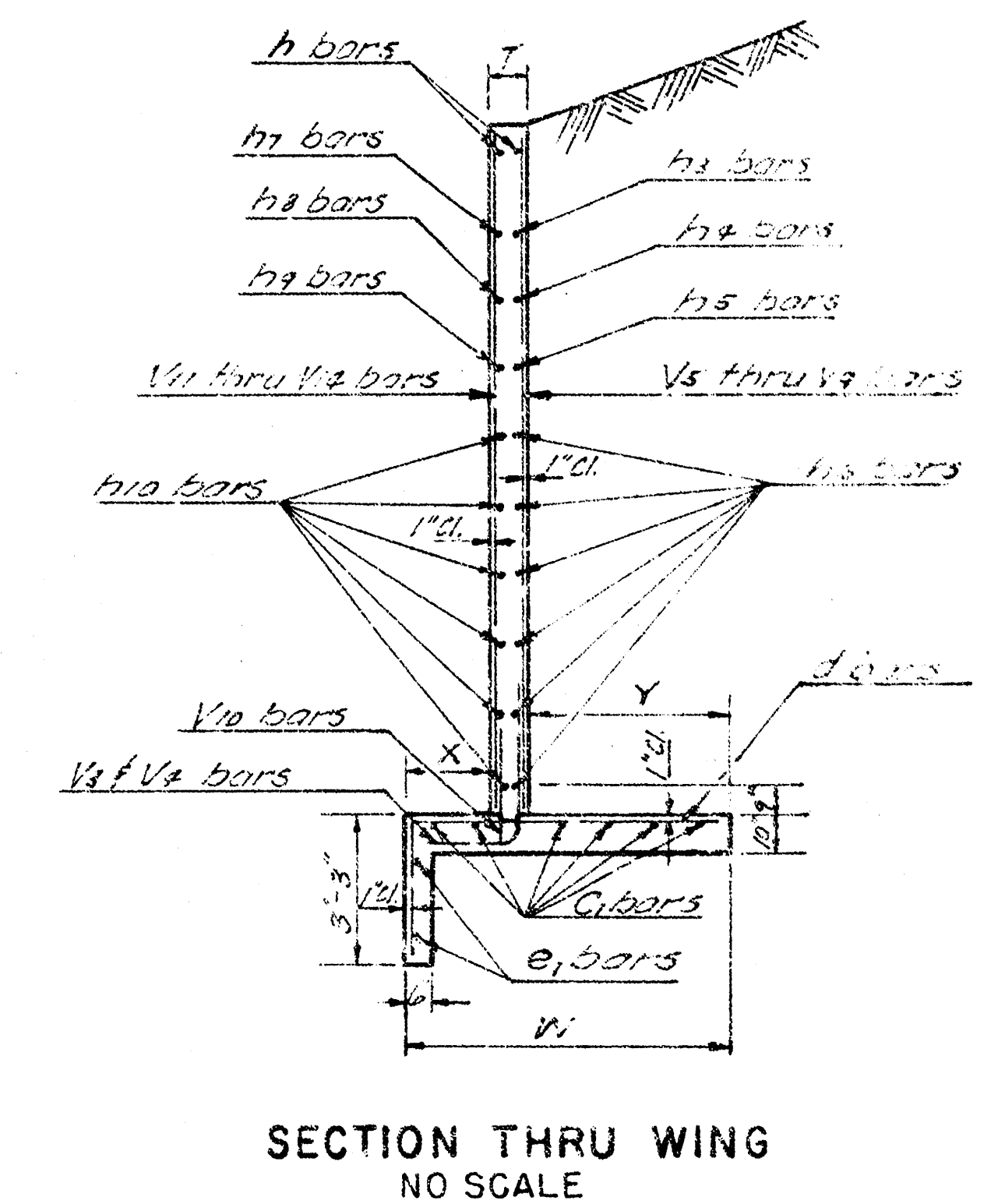
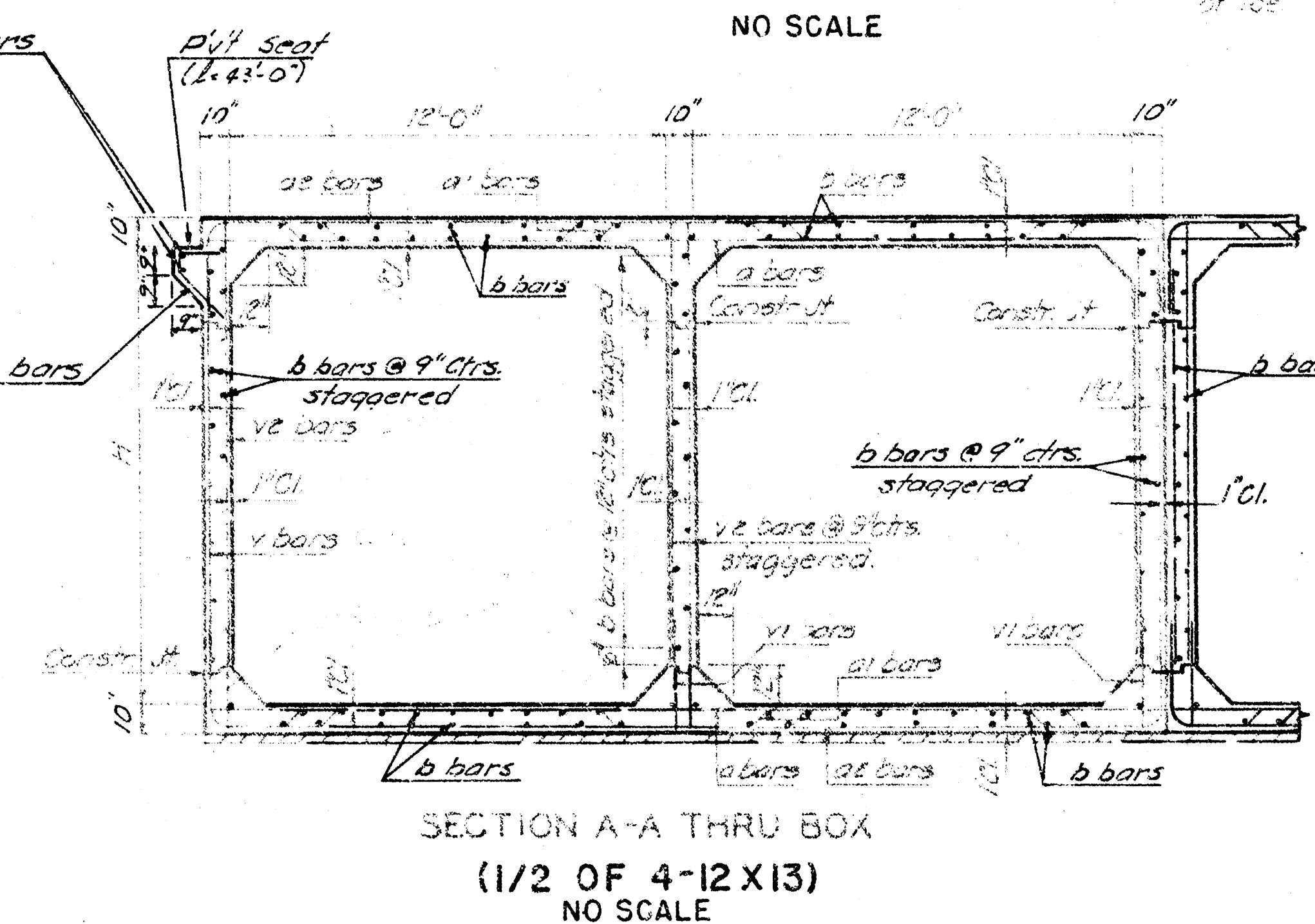
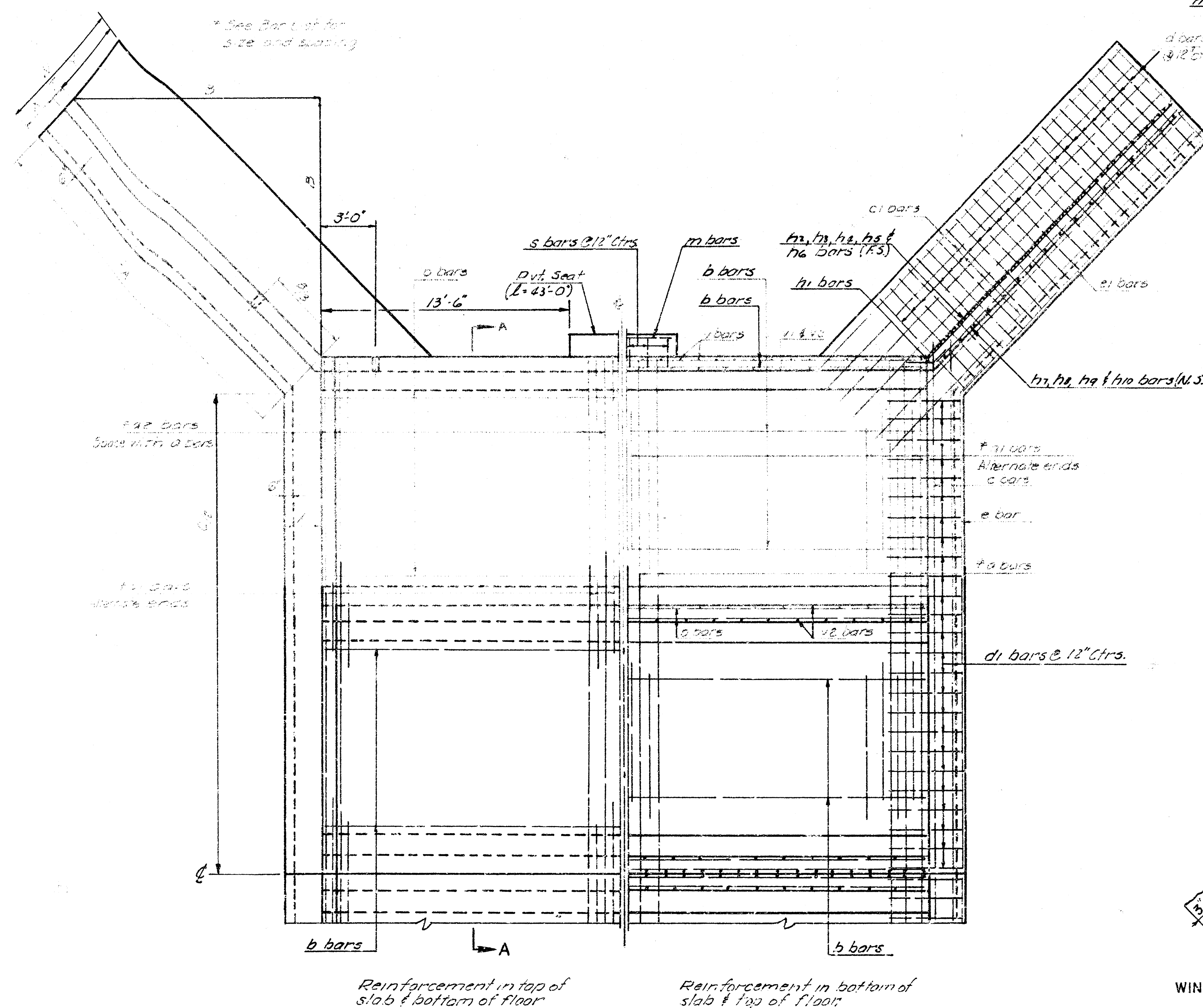
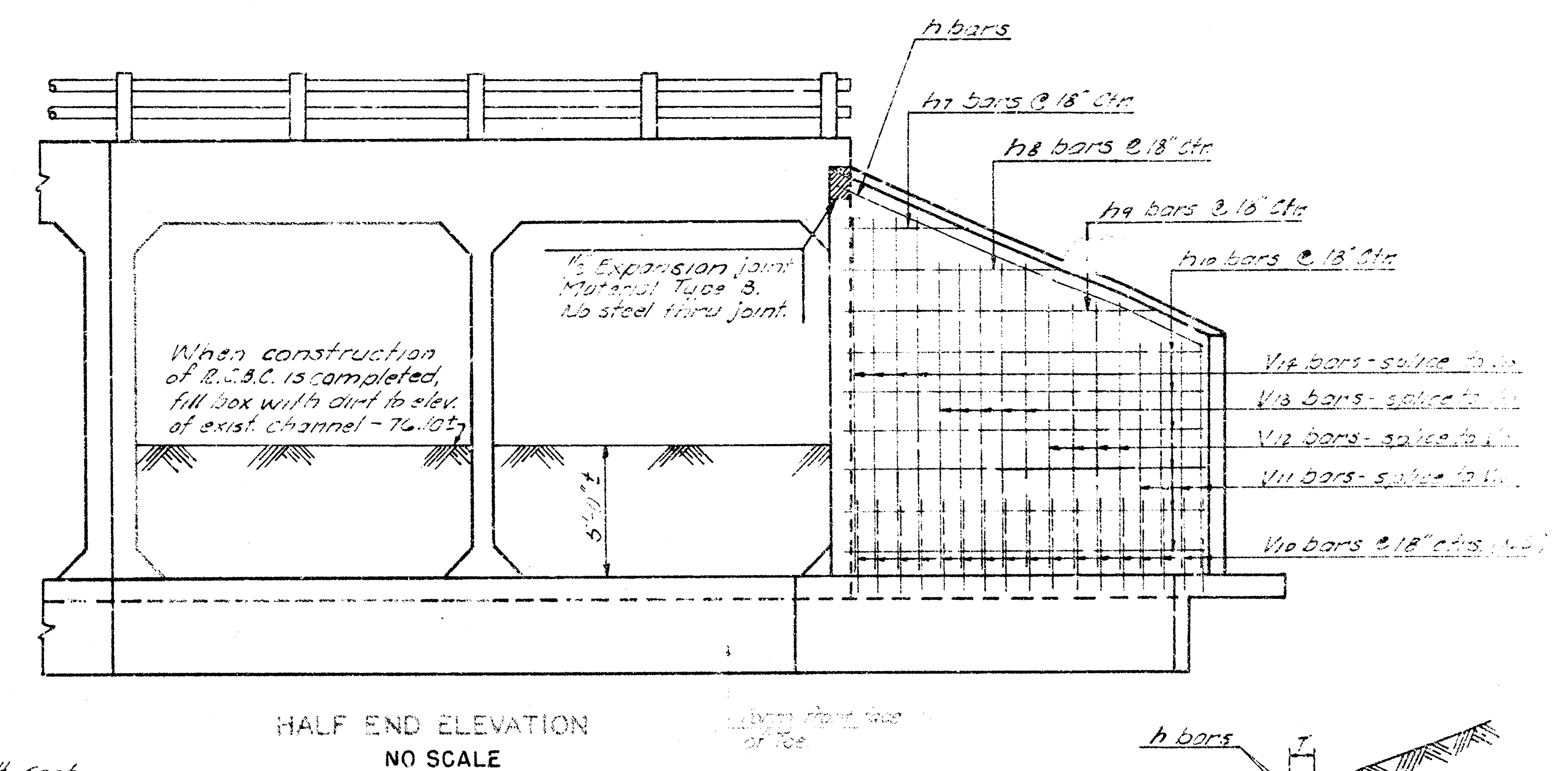
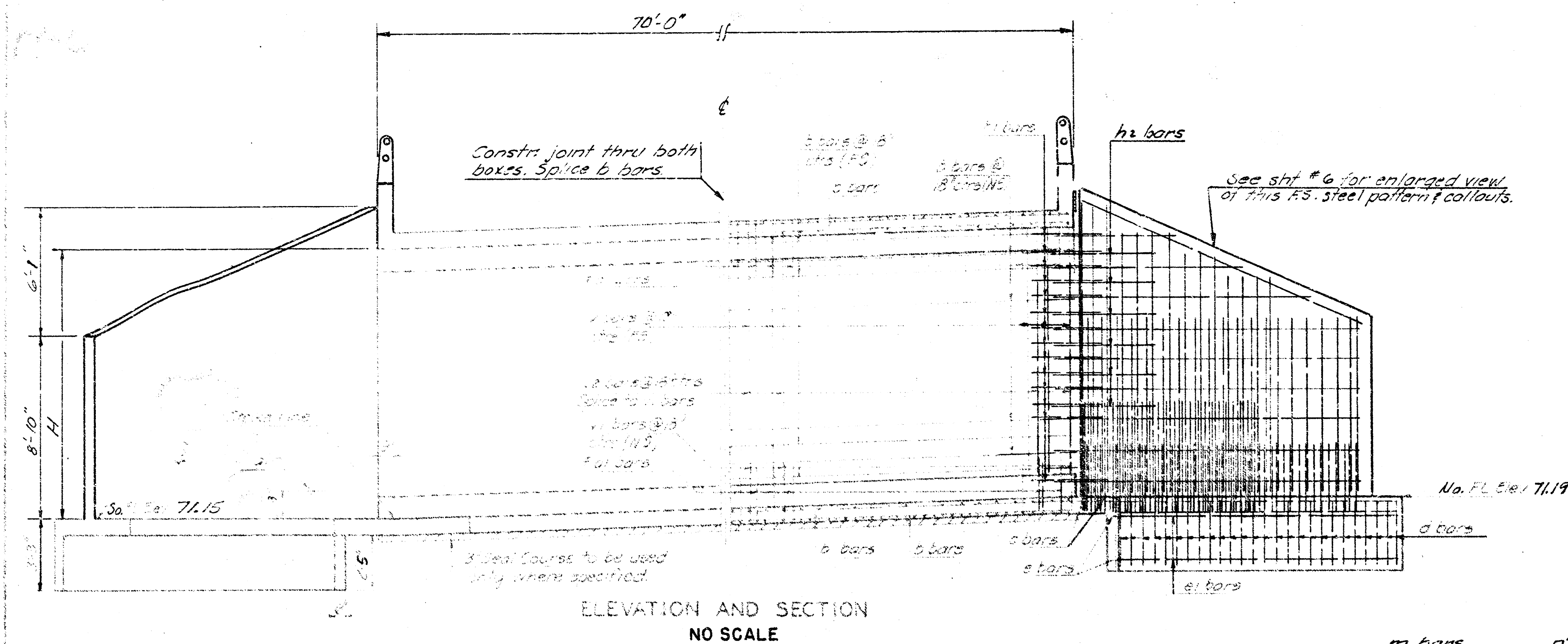
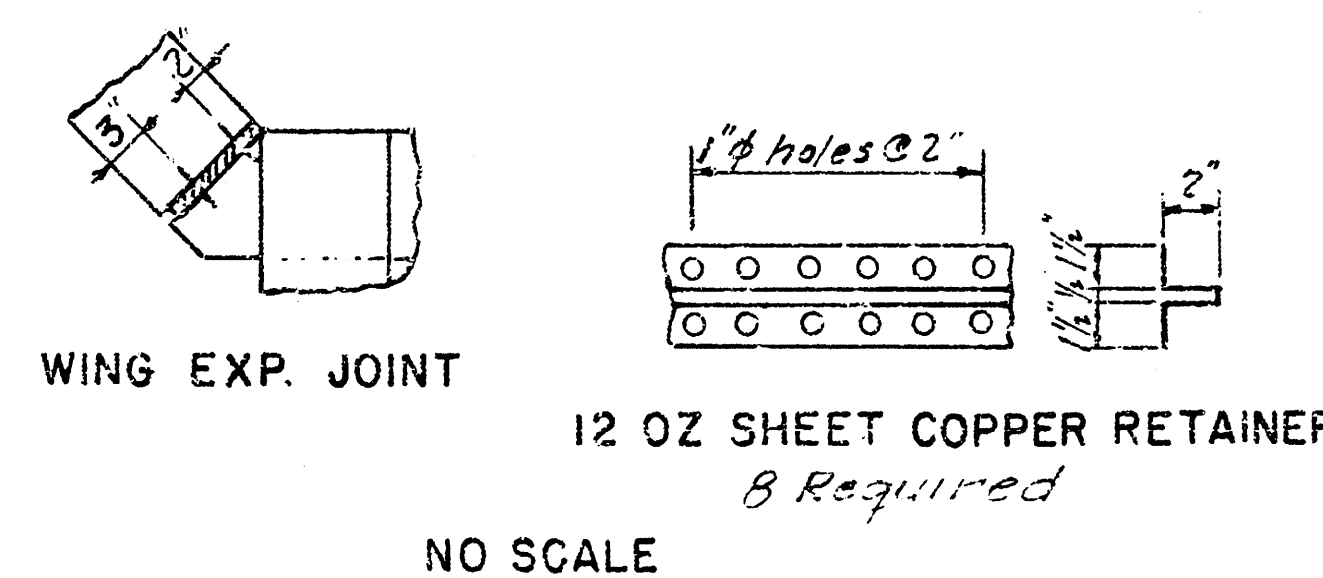
EARTHWORK	
EXCAVATION	COMPACTED FILL
27.3 C.Y.	875.7 C.Y.
+10% 2.7	+10% 96.6
Total 30.0 C.Y.	Total 963.3 C.Y.
BORROW	
1227.2 C.Y.	

Total Manipulation = 1530.5 C.Y.

NOTE: Excess dirt from channel excavation to be used for loose fill and compacted fill on 46th St. So.

46th STREET SOUTH
 W. L. LOT 14, BLK I, SOUTH
 BROADWAY INDUSTRIAL PARK
 TO W. L. SANTA FE AVE.
 CITY OF WICHITA, KANSAS

DATE
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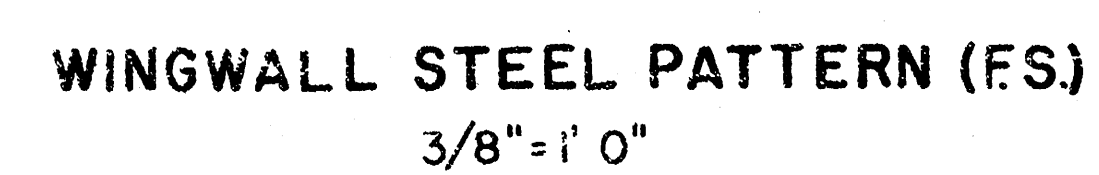
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4-12' x 13' R.C.B.C.
46th ST. SOUTH &
RIVERSIDE DRAINAGE CANAL
CITY OF WICHITA, KANSAS

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PROJ. NO. 472 76 245 80756 000 000 001

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* Includes quantities for R.C.B.C. $\frac{1}{2}$ channel

- GENERAL NOTES
1. CLASS A-AE - CONCRETE SHALL BE USED THROUGHOUT IN THE STRUCTURE. THE REINFORCING STEEL SHALL CONFORM TO A.S.T. SPECIFICATIONS.
 2. EARTHWORK - ALL EARTHWORK SHALL BE CONSIDERED AS "COMMON EXCAVATION" EXCEPT FOR THE TOTALS. TOTAL EXCAVATION SHALL BE OBTAINED BY "COMMON SID".
 3. BACKFILL - ALL BACKFILL AND EXCAVATION IS EXTENDED TO CITY SEWER SIDES OF BOX AND WING-WALLS.
 4. BEVEL - ALL EXPOSED EDGES OF CONCRETE WITH 3/4" IRREGULAR FINISHING.
 5. WEPPHOLES - COURSE AGGREGATE SHALL BE DEPOSITED AROUND EACH WEPPHOLE TO OCCUPY A SPACE EXTENDING (15") IN ALL DIRECTIONS ABOVE WEPPHOLE PLAN LINE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED A PART OF THE EXCAVATION WORK.
 6. SEAL COURSE - A SEAL COURSE CONSISTING OF 5" CLASS A OR B CONCRETE SHALL BE CONSTRUCTED ONLY WHERE SPECIFIED ON THE PLANS OF ANY OF THE BOXES. NO REINFORCING STEEL BE PLACED UNTIL THE SEAL COURSE IS OBTAIN SUFFICIENT STRENGTH TO PERMIT WORKING UPON IT WITHOUT DAMAGE.
 7. RIDDING OF CULVERT - THE CULVERT SHALL BE BID AS A TEMPORARY STRUCTURE WHICH SHALL INCLUDE THE FOLLOWING ITEMS: CLASS A-AE CONCRETE, REINFORCING STEEL, HAND EXCAVATION, AND ALUMINUM WIND RAIL. ALL OTHER ITEMS SHALL BE INCLUDED AS AND ITEMS.
 8. THE QUANTITIES SHOWN IN THE "BILL OF MATERIALS" PORTION WHICH ARE INCLUDED IN THE "LUMP SUM BID" OF THE CULVERT ARE FOR "CONSTRUCTION PURPOSES ONLY". THE CONTRACTOR MUST SATISFY HIMSELF AS TO THE "QUANTITIES" AND BE RESPONSIBLE ASSUMES NO RESPONSIBILITIES FOR THEIR ACCURACY. THE CONTRACTOR WILL HAVE THE FULL RESPONSIBILITY FOR PROVIDING ALL MATERIALS ON THE DETAILS PLANS NECESSARY TO COMPLETE THE PROJECT.

4-12'x13' R.C.B.C.
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CITY OF WICHITA, KANSAS

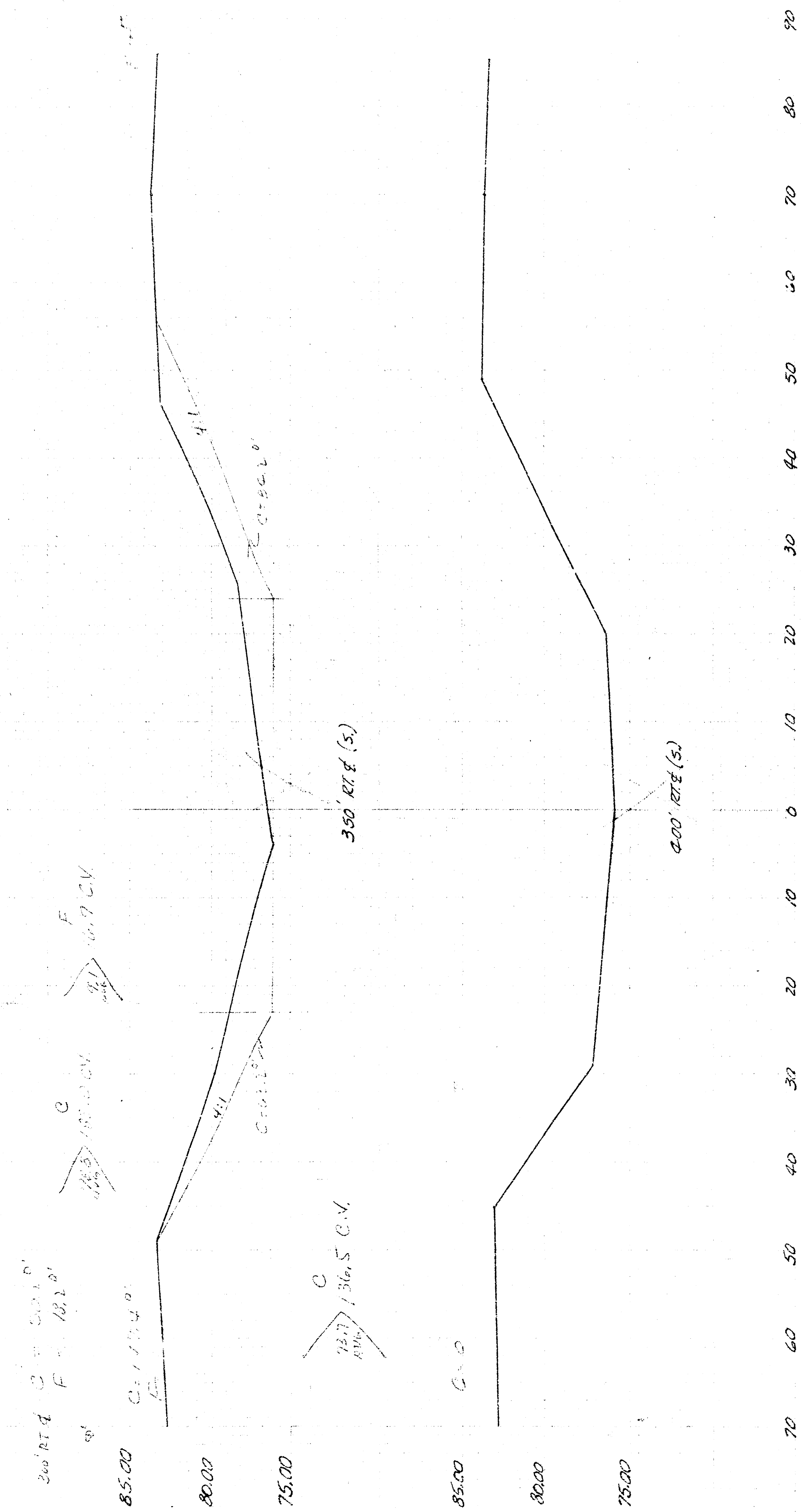
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46th STREET SOUTH
W. L. LOT 14, BLK 1, SOUTH
BROADWAY INDUSTRIAL PARK
TO W. L. SANTA FE AVE.

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PROJ. NO. 472 76 245 80756 000 000001



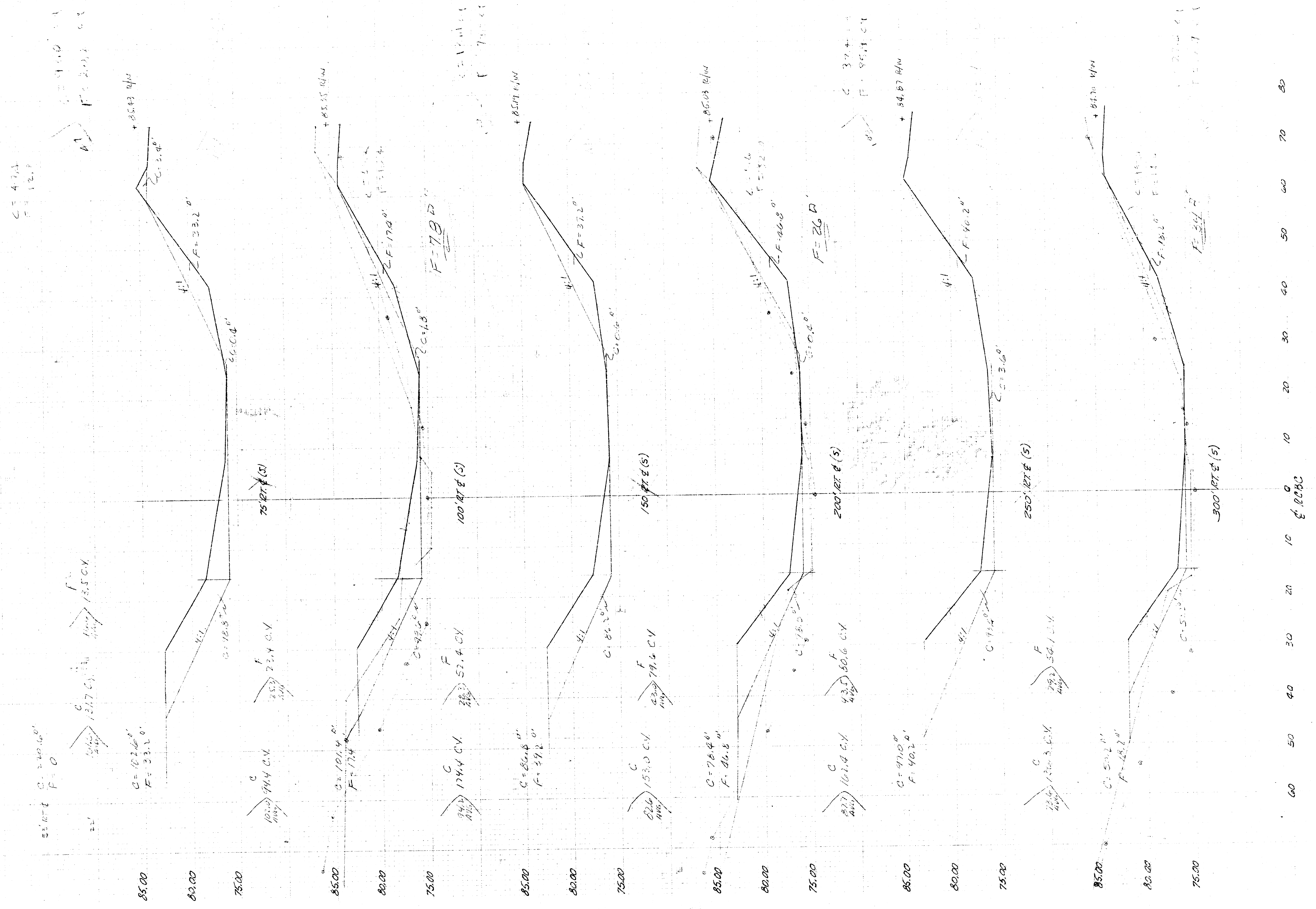
ENTRANCE - THIS SHEET
 EXCAV 345 CY
 FILL 149 CY

ENTRANCE TOTALS - 2.000 S.M. S.M. S.M.
 EXCAV 345 CY
 FILL 149 CY
 TOTAL 494 CY

4-12' x 13' R.C.B.C.
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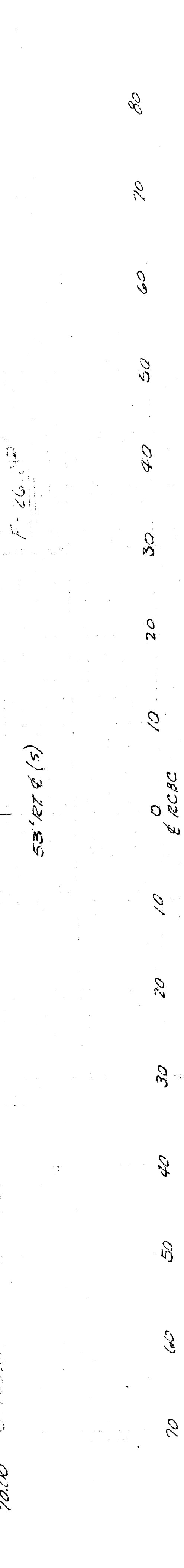
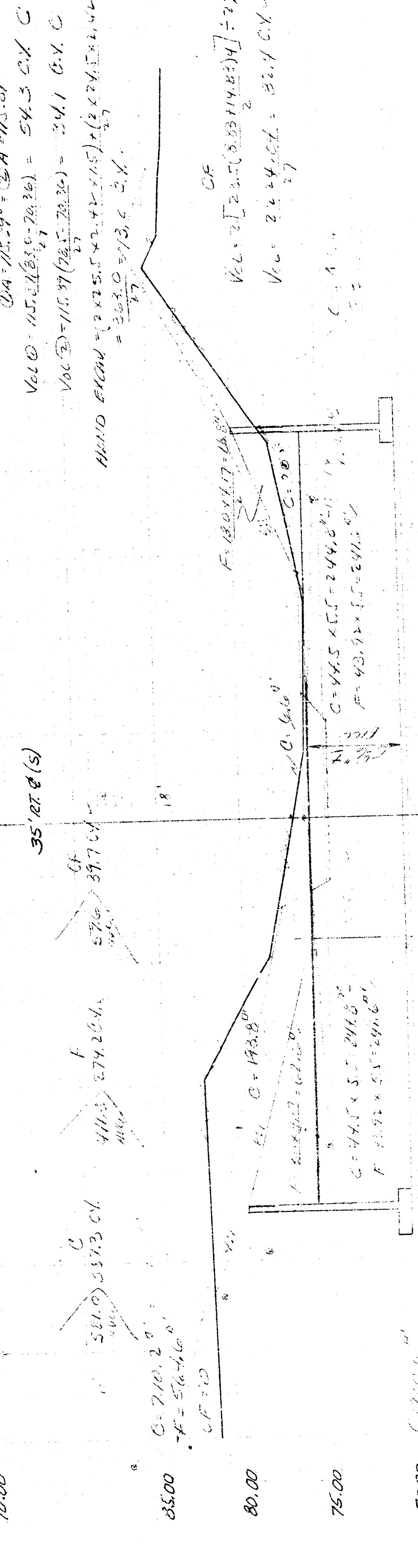
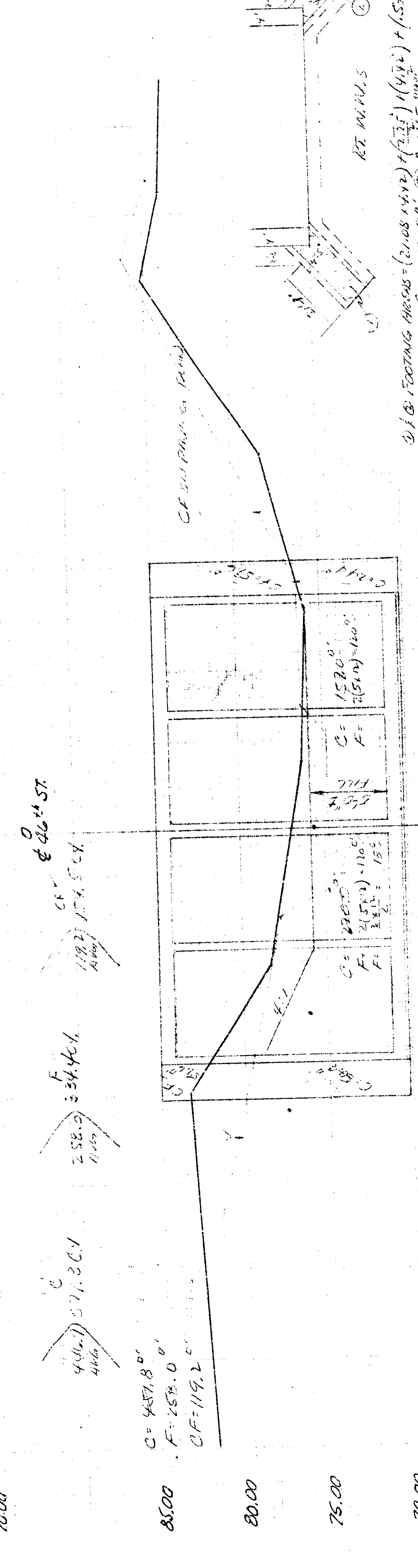
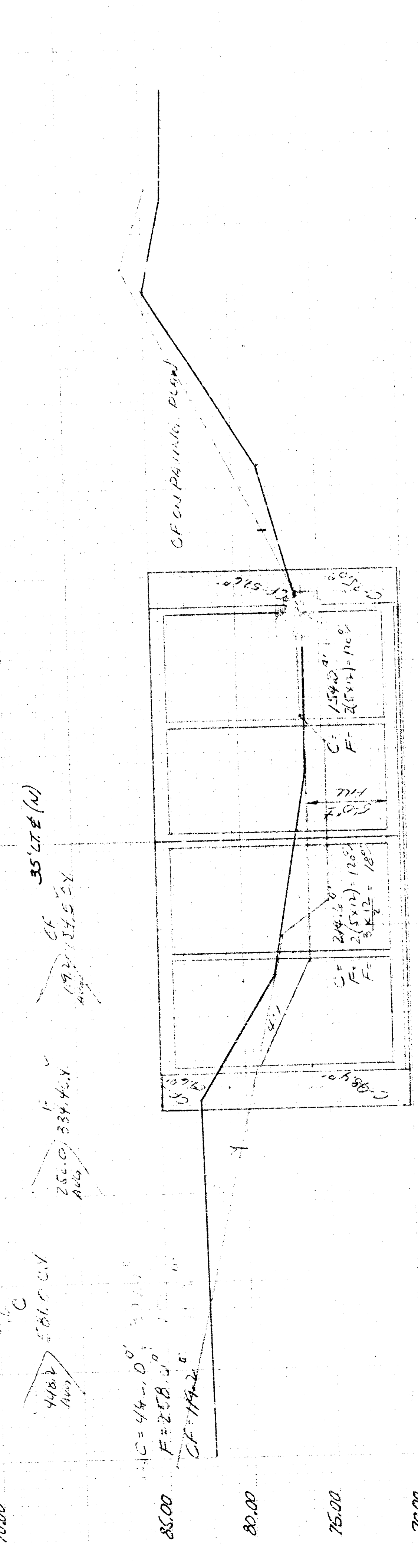
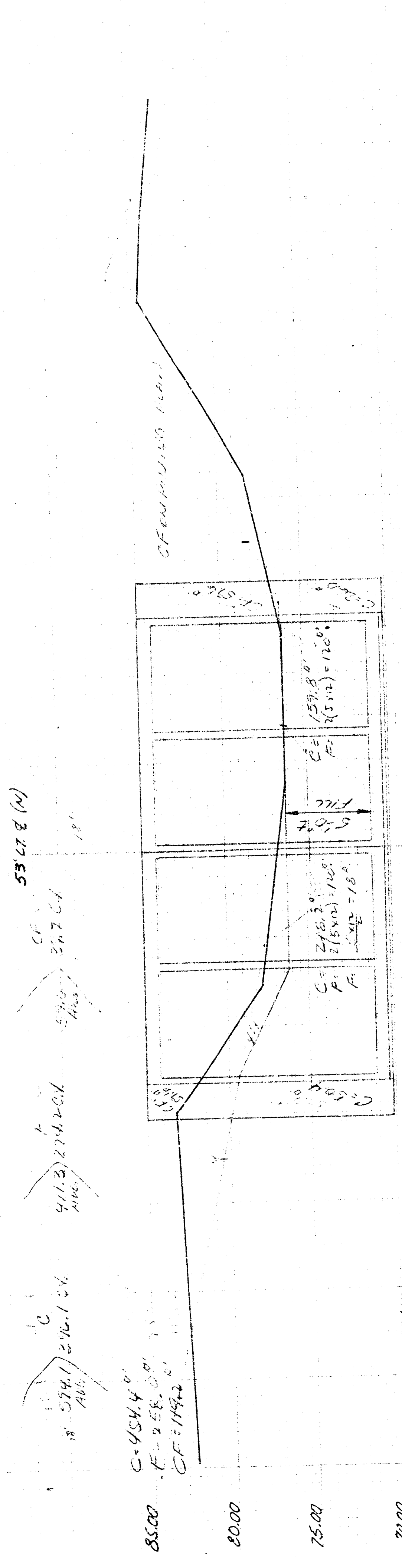
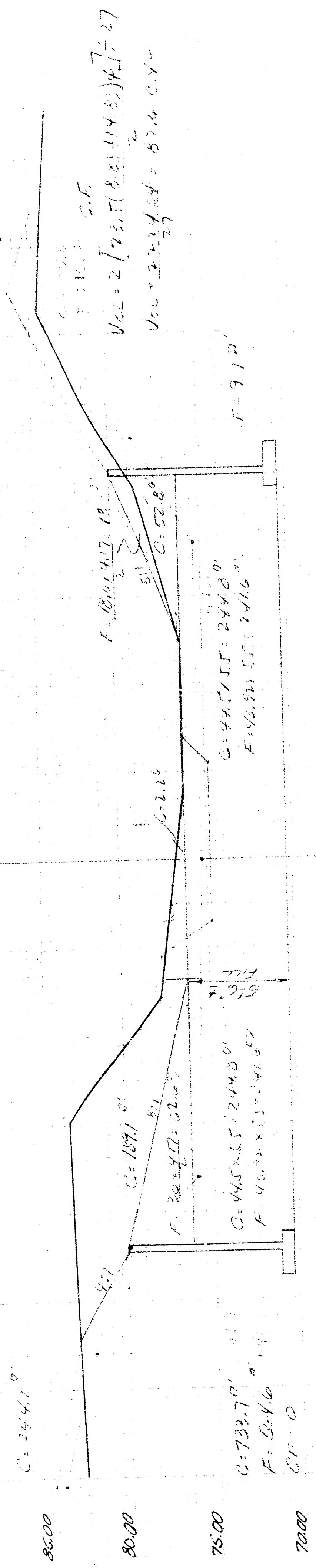
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4-12'x13' R.C.B.C.
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11/14

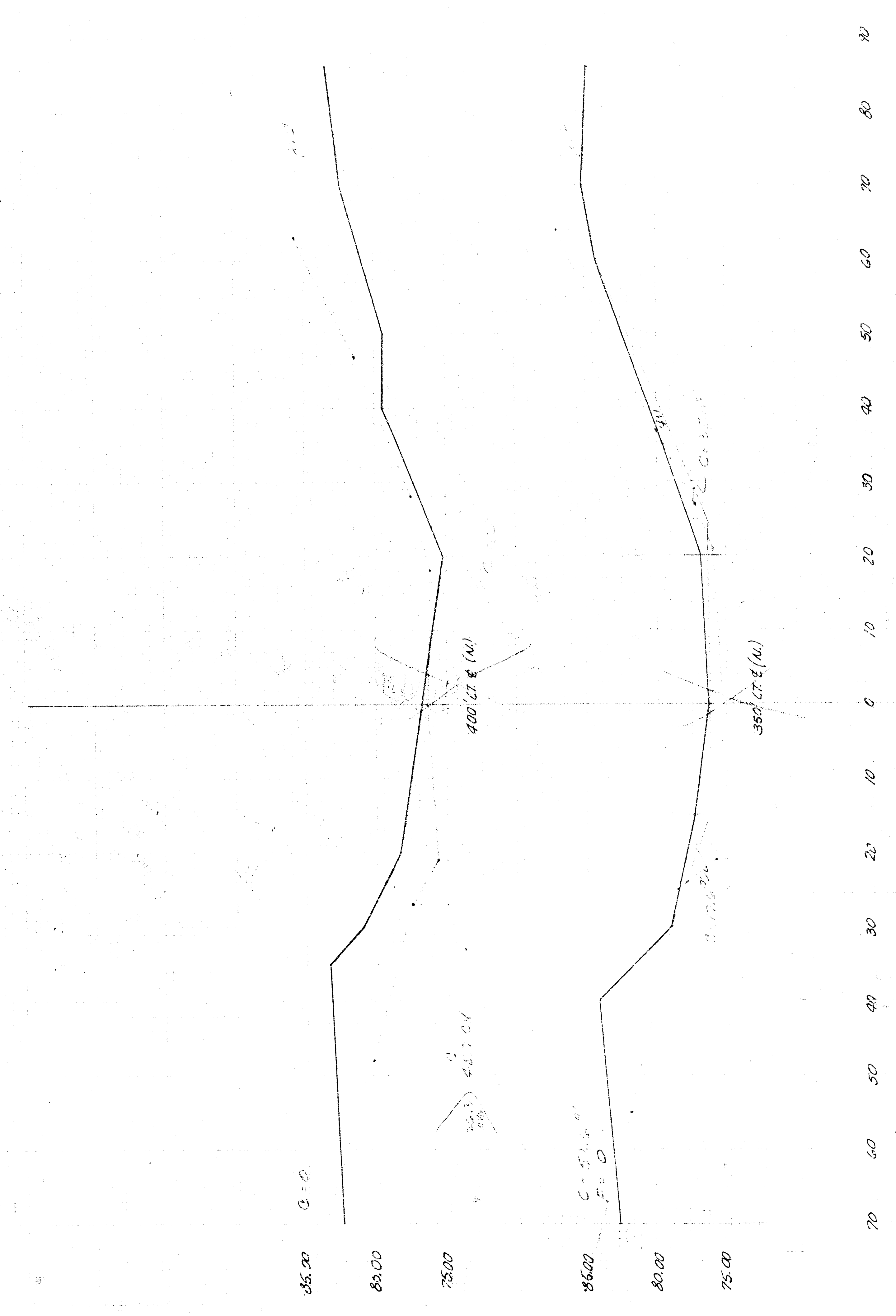
25.27 C.B.C. 8.5%
 11.62' 7.5% C.V.
 0.13' FLOORING AREA (2.08' x 4.4') = 9.15' (4.4') x (5.0') = 22.00'
 0.41' 11.5% 3.9' = 3.9' x 11.5% = 4.48' C.V. C
 0.40' = 11.5% (3.9' x 3.9') = 1.74' C.V. C
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 HAND EXISTING = (2.08' x 4.4' x 11.5%) + (4.4' x 5.0' x 11.5%)
 = 20.30' = 13.4 C.V.



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4-12'x13'RC.B.C.
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