

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.

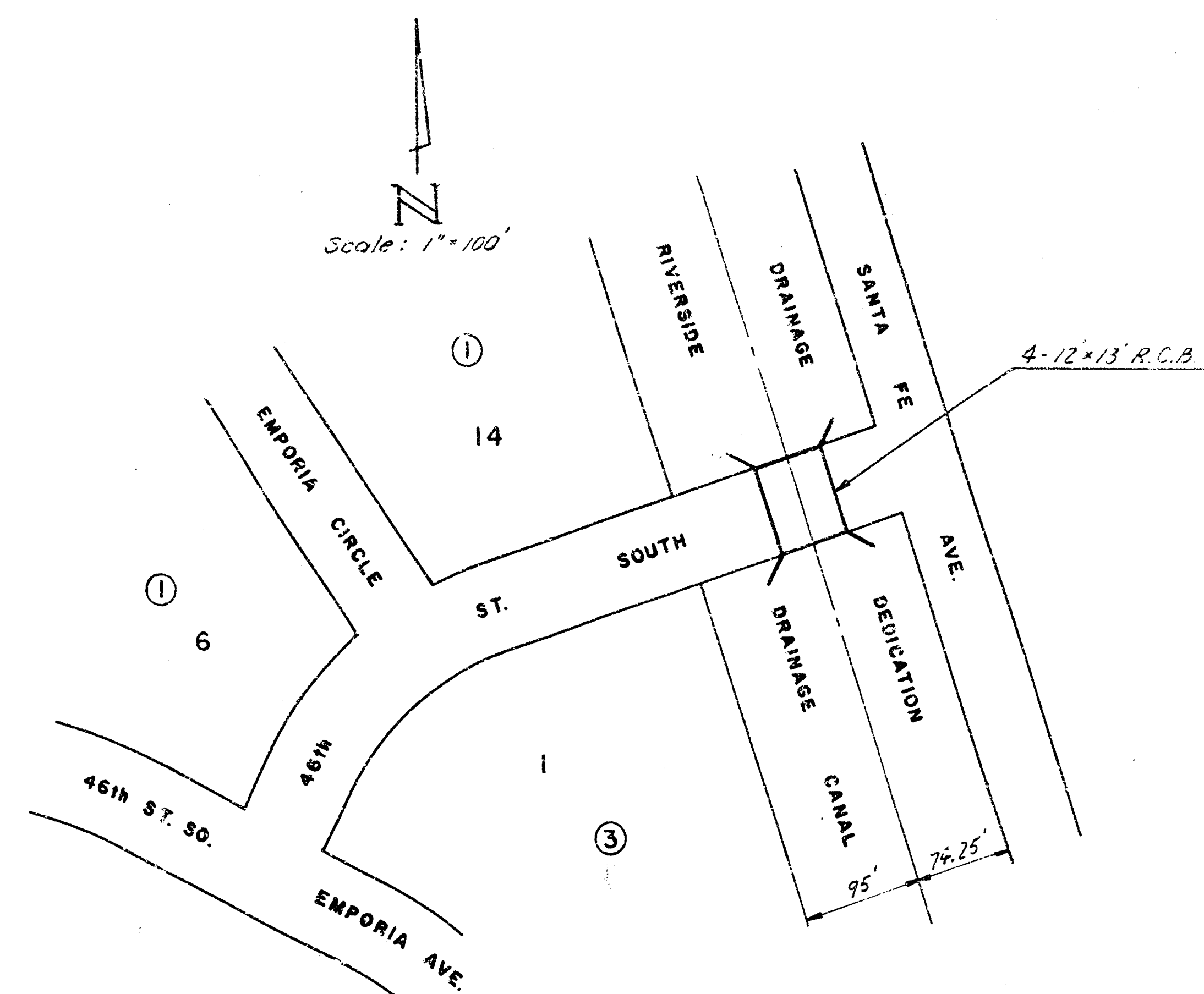
46th STREET SOUTH &
RIVERSIDE DRAINAGE CANAL

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

DATE:

PROJ. NO. 472 76 245 80756 000 000 001

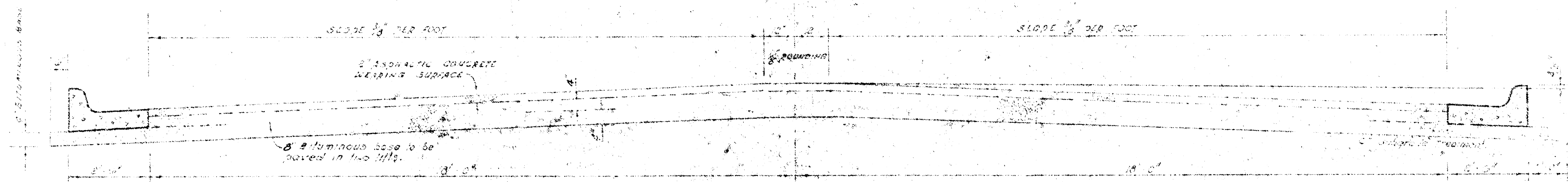


LOCATION MAP



1/14

46th STREET SOUTH
W.L. LOT 14, BLK 1, SOUTH BROADWAY INDUSTRIAL PARK
TO W.L. SANTA FE AVE.
4- 12'x13' R.C.B.C.
46th STREET SOUTH &
RIVERSIDE DRAINAGE CANAL



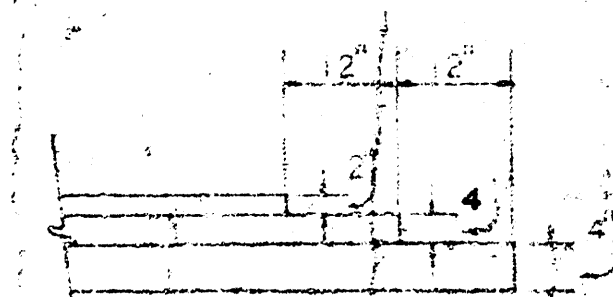
TYPICAL SECTION

The 1/4 inch movement between the curb and the pavement shall be paid as 100 yds 10" A.C. pavement. The 1/4 inch movement between the bituminous base and the curb shall be paid as 100 yds 4" bituminous base.

4" ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

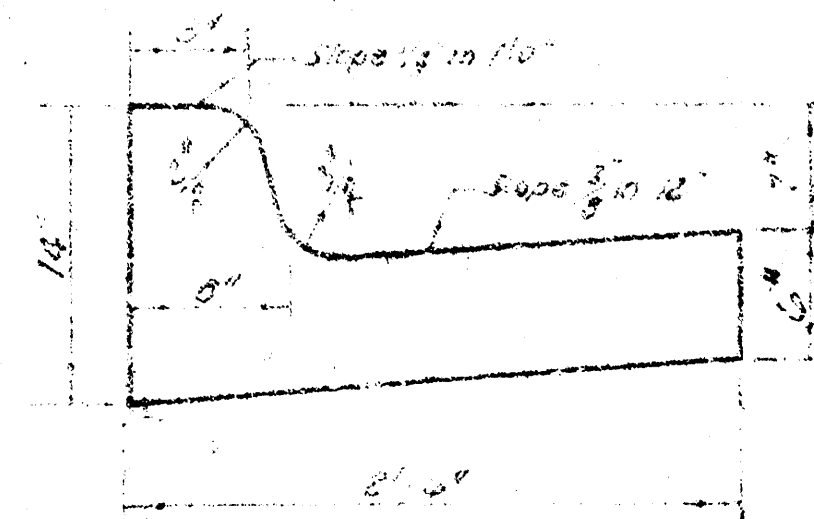
A TACK COAT OF EMULSIFIED ASPHALT 155-115 SHALL BE APPLIED AT AN APPROXIMATE RATE 0.03 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE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

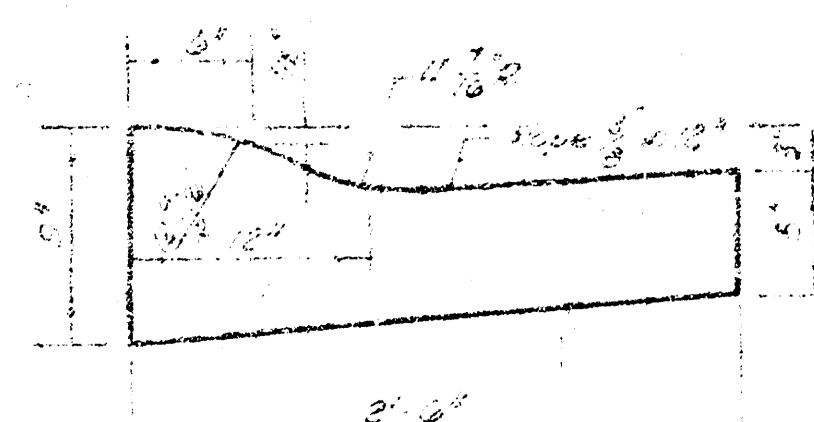


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

COMBINED CURB & GUTTER



ROLL TYPE CURB & GUTTER



CITY OF WICHITA, KANSAS

DEPARTMENT OF PUBLIC WORKS - ENGINEERING
Division

DATE

PROJ. NO. 472 76 245 80756 000 000 001

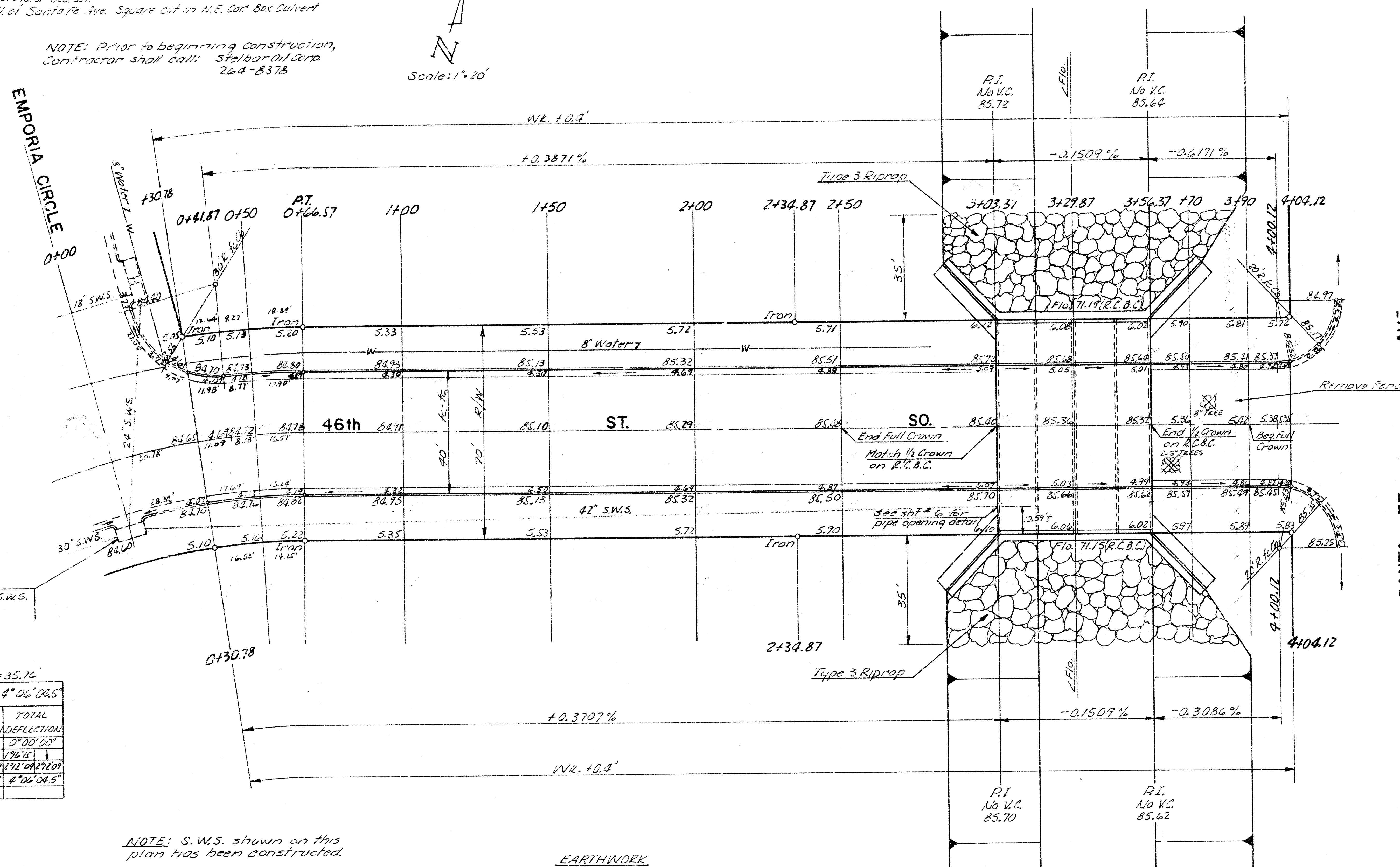
2/14

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



THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING POINTS TO BE SET FOR THE CONSTRUCTION OF THE CURVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE CURVE AND THE LOCATION OF THE CURVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE CURVE AND THE LOCATION OF THE CURVE.

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

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°55'34"	2°01'49"
0+66.57	16.57	18.82	1°53'53.5"	4°06'04.5"

Deflect. = 6.87552 min./ft.

SUBGRADE
 TYPE OF SUBGRADE TO BE USED SHALL BE DETERMINED BY THE ENGINEER. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE SPECIFICATIONS. SUBGRADE MODIFICATION, IF ANY, SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

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.

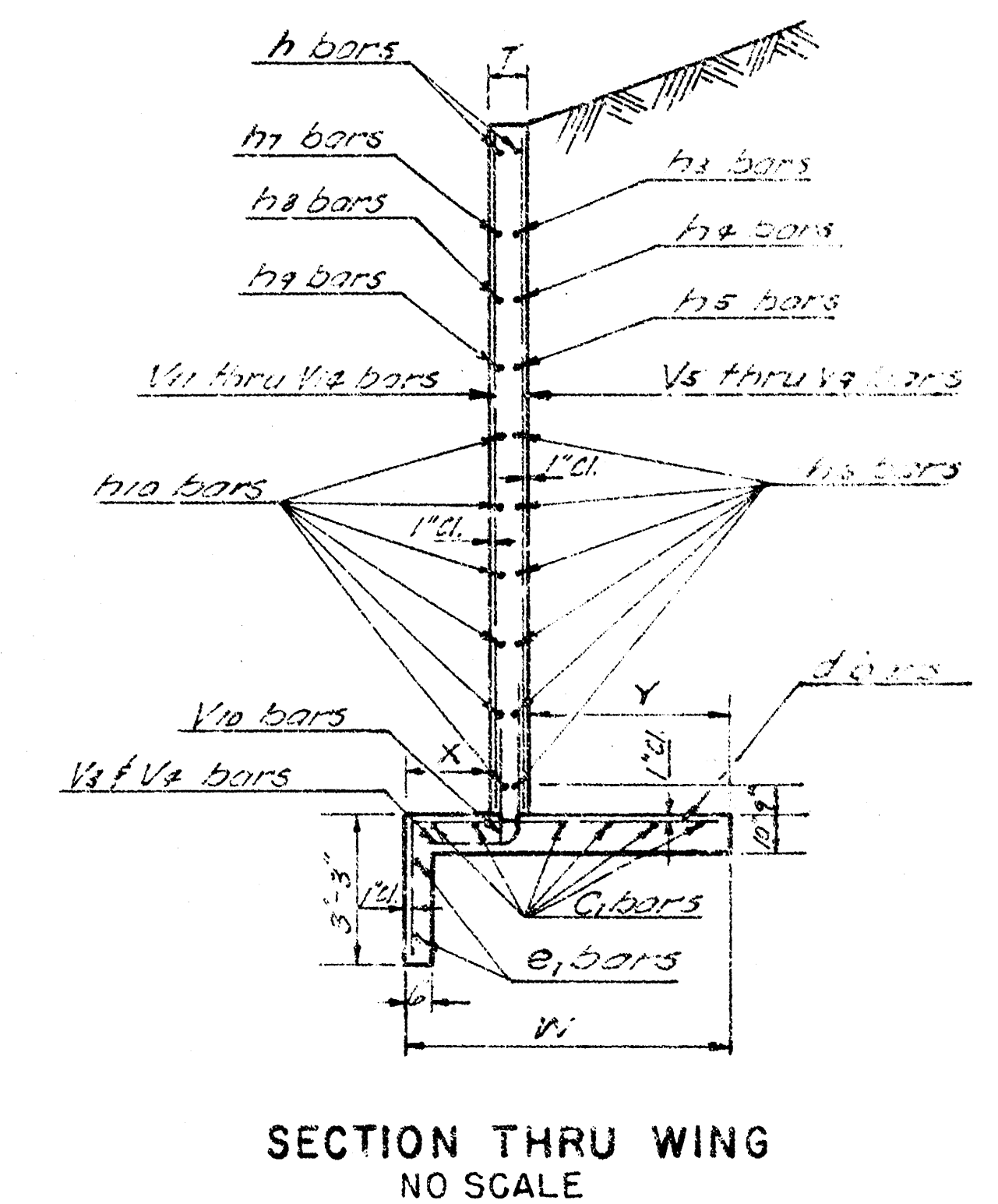
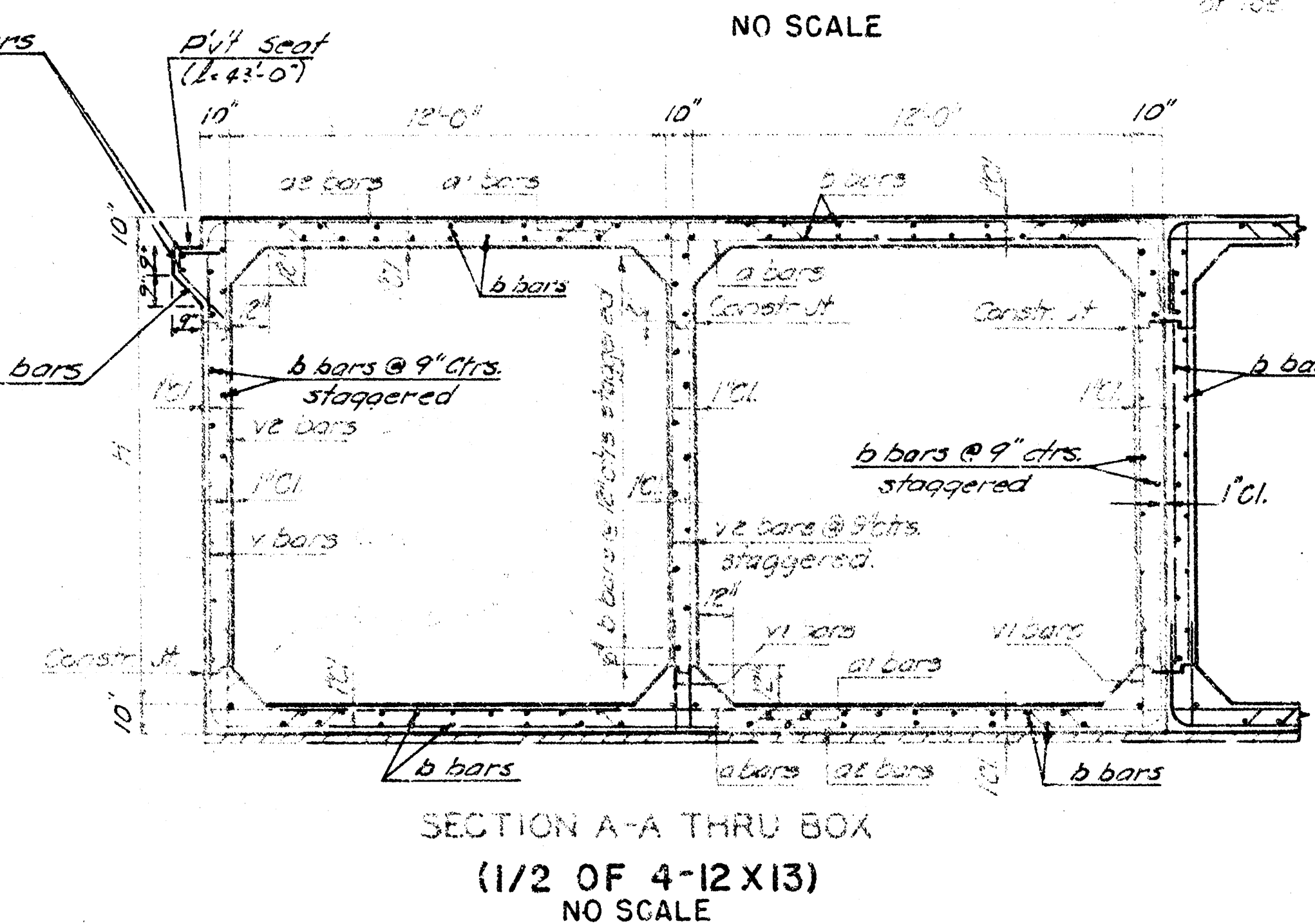
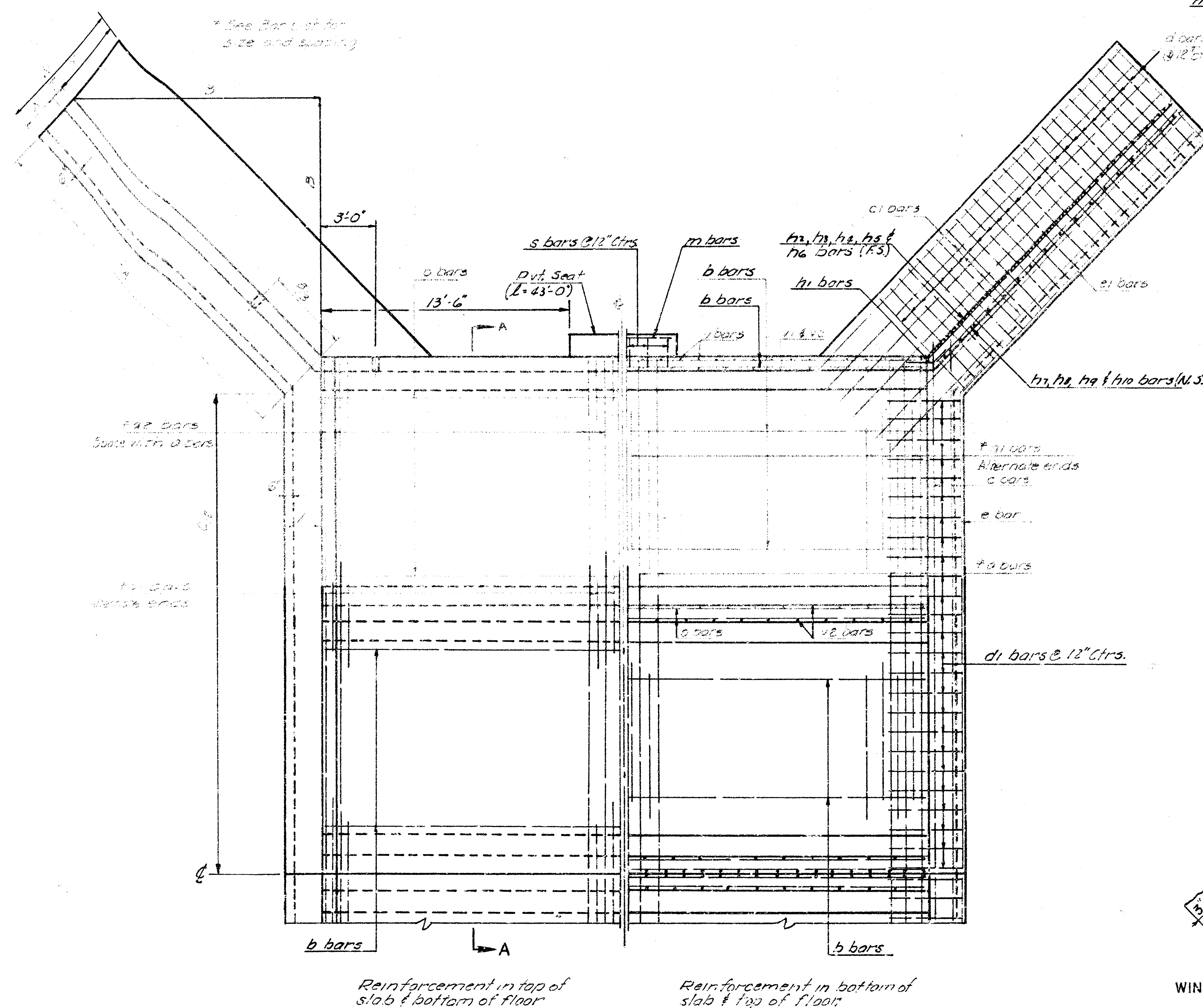
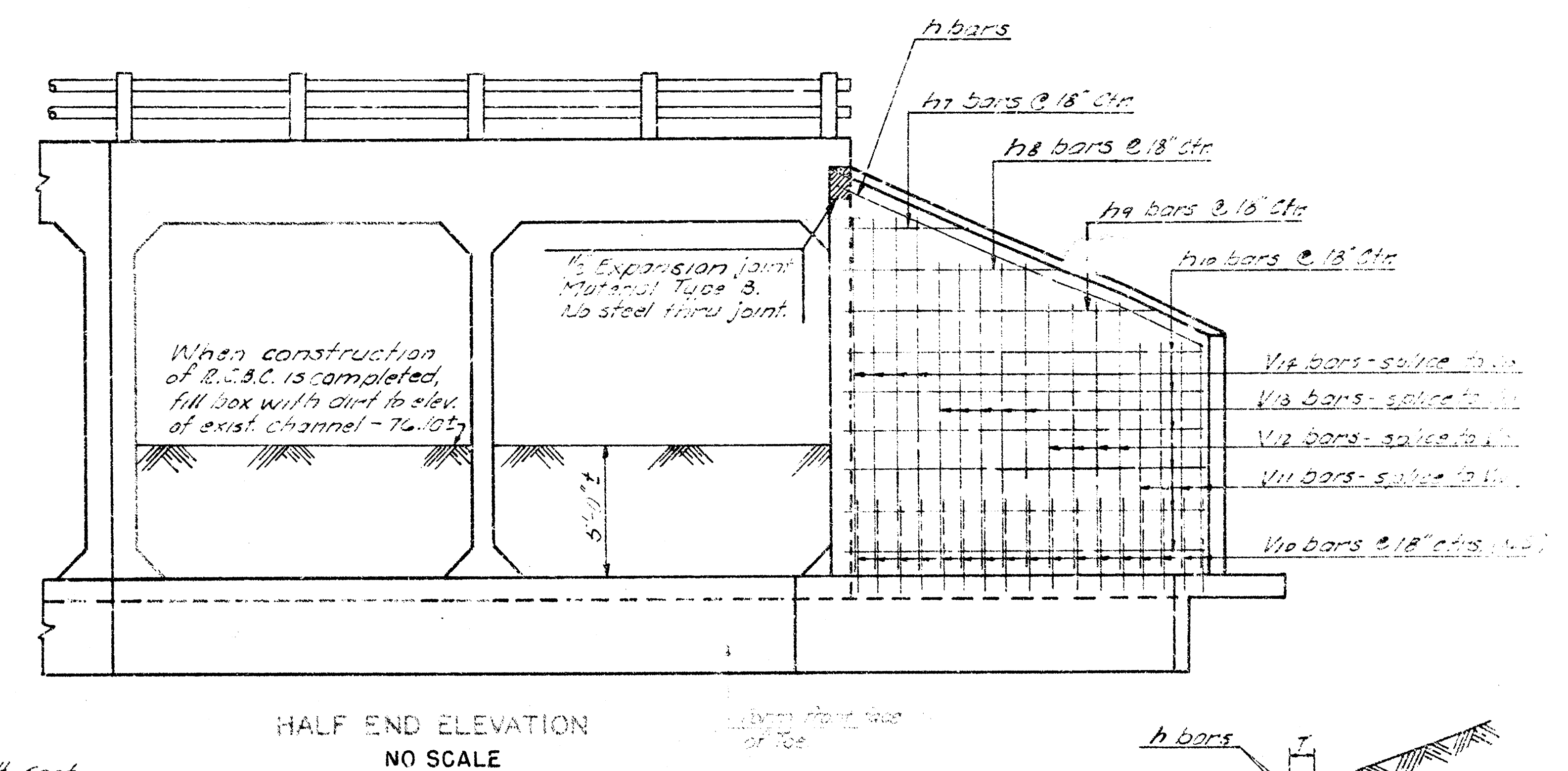
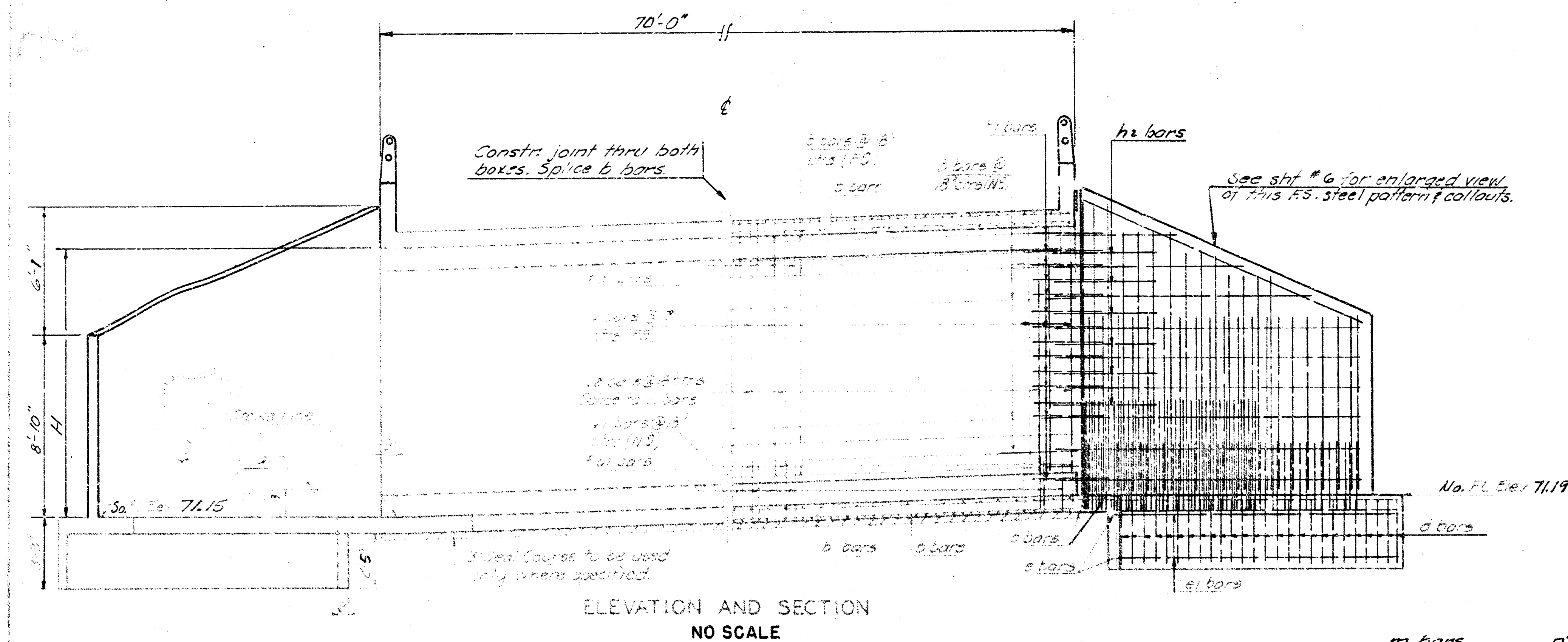
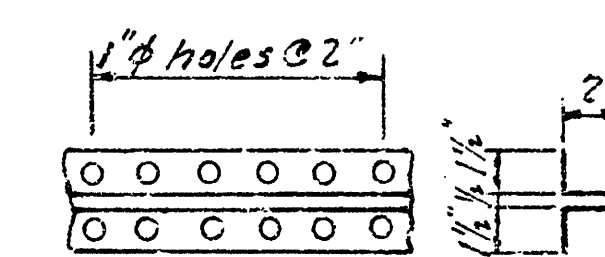
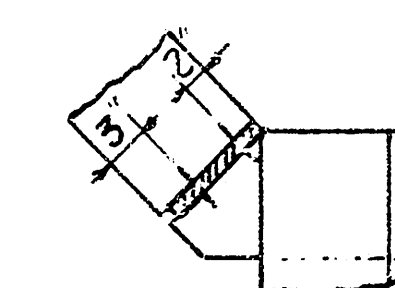
BORROW
 1227.2 C.Y.

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

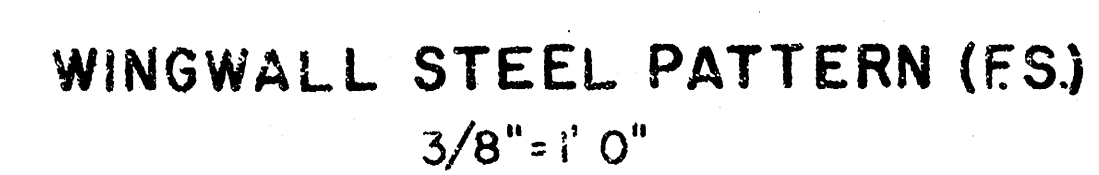
DATE
 PROJ. NO. 472 76 245 80756 000 000 001

[illegible]

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

DATE

PROJ.NO.472 76 245 80756 000 000 001



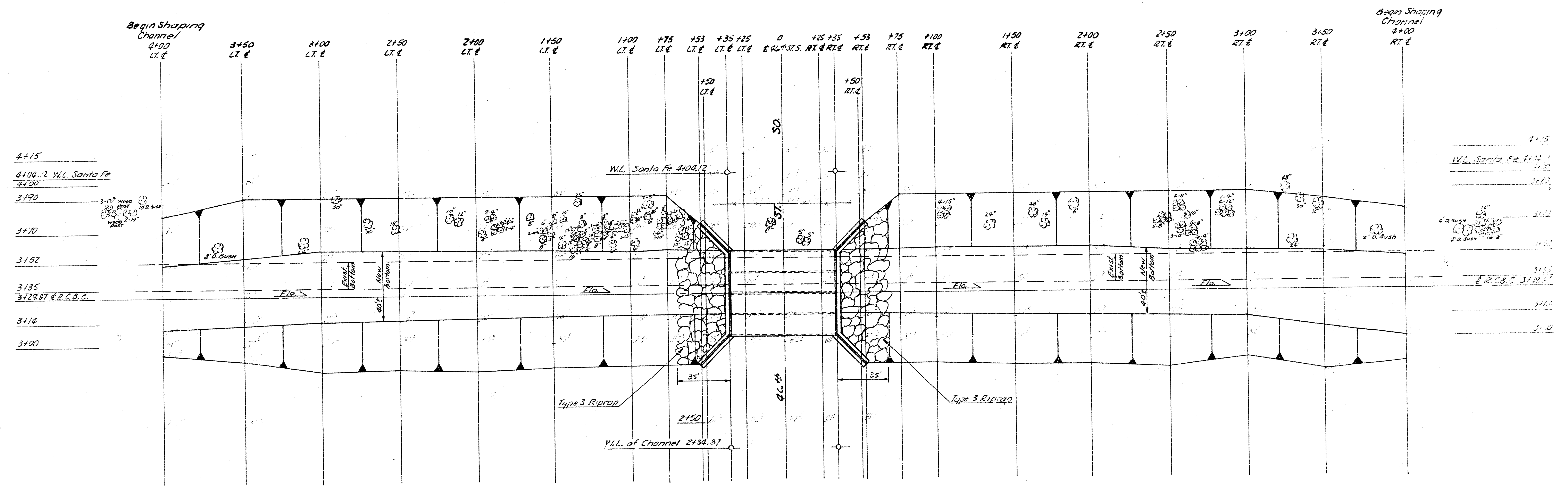
* Includes quantities for R.C.B.C. $\frac{1}{2}$ channel

- 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 30" IRREGULAR MOULDING.
 5. WEPPHOLES - COURSE AGGREGATE SHALL BE DEPOSITED AROUND EACH WEPPHOLE TO OCCUPY A SPACE EXTENDING (15") IN ALL DIRECTIONS ABOVE REEABLE 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 IS PLACED UNTIL THE SEAL COURSE IS OBTAIN RESISTANT STRONG 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 WAND RAIL. ALL OTHER ITEMS SHALL BE INCLUDED AS AND ITEMS.
 8. THE QUANTITIES SHOWN IN THE "BILL OF MATERIALS AND LABOR" 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 FOR EACH ITEM 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.
46th ST. SOUTH &
RIVERSIDE DRAINAGE CANAL
CITY OF WICHITA, KANSAS

DATE 114
PROJ.NO.472 76 245 80756 000 000 001

N
Scale: 1"=30'



NOTE: Excess dirt from channel excavation to be used for loose fill and compacted fill on 46th St. 5a. Trees in area of channel excavation are not bid as separate removal item.

CHANNEL EXCAVATION

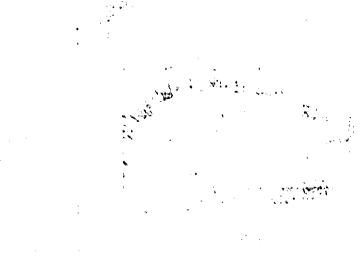
4-12'x13' R.C.B.C.
 46th ST. SOUTH &
 RIVERSIDE DRAINAGE CANAL
 PROJ. NO. 472 76 245 80756 000 000 001

7/14



8/14

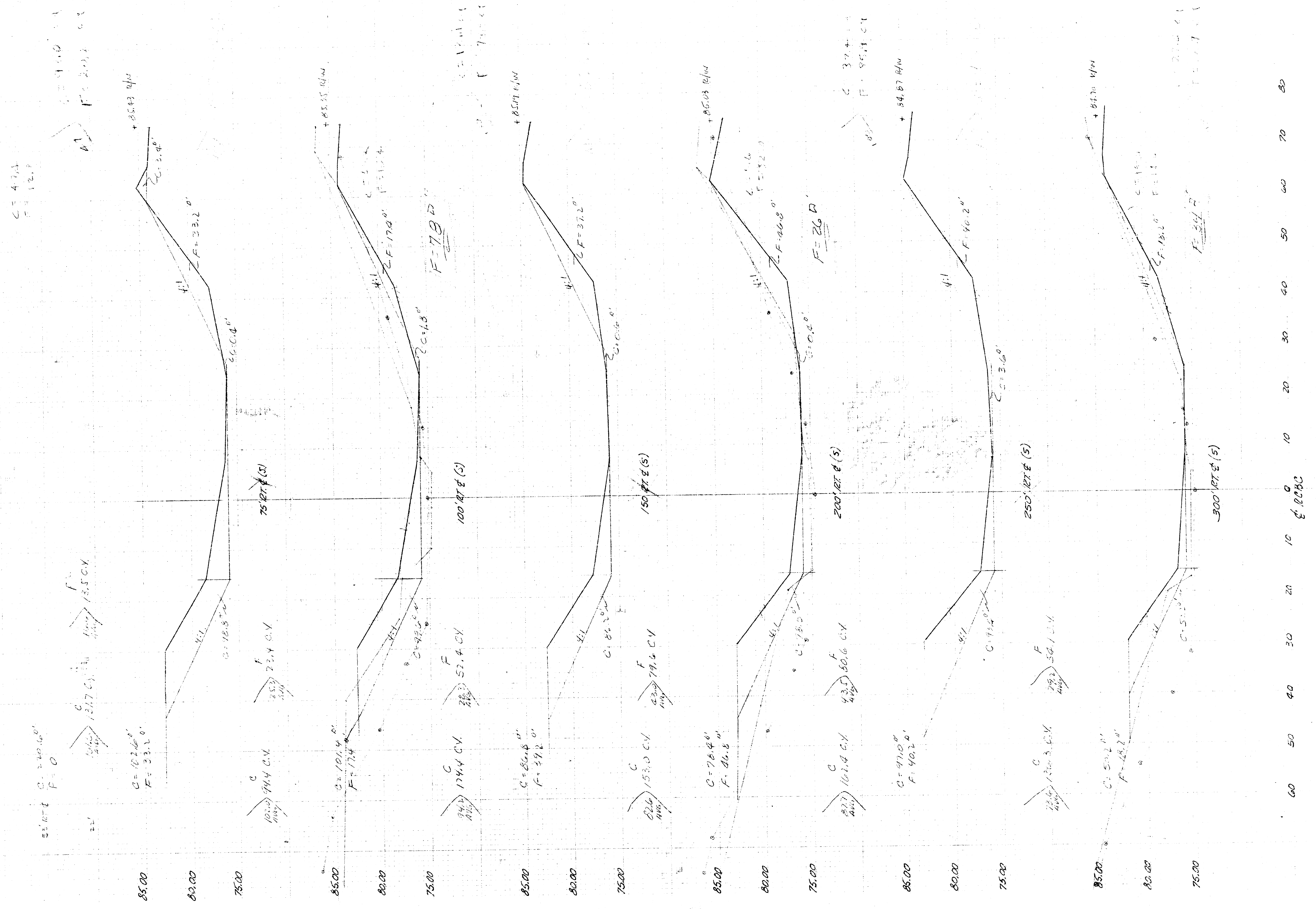
[illegible]



1

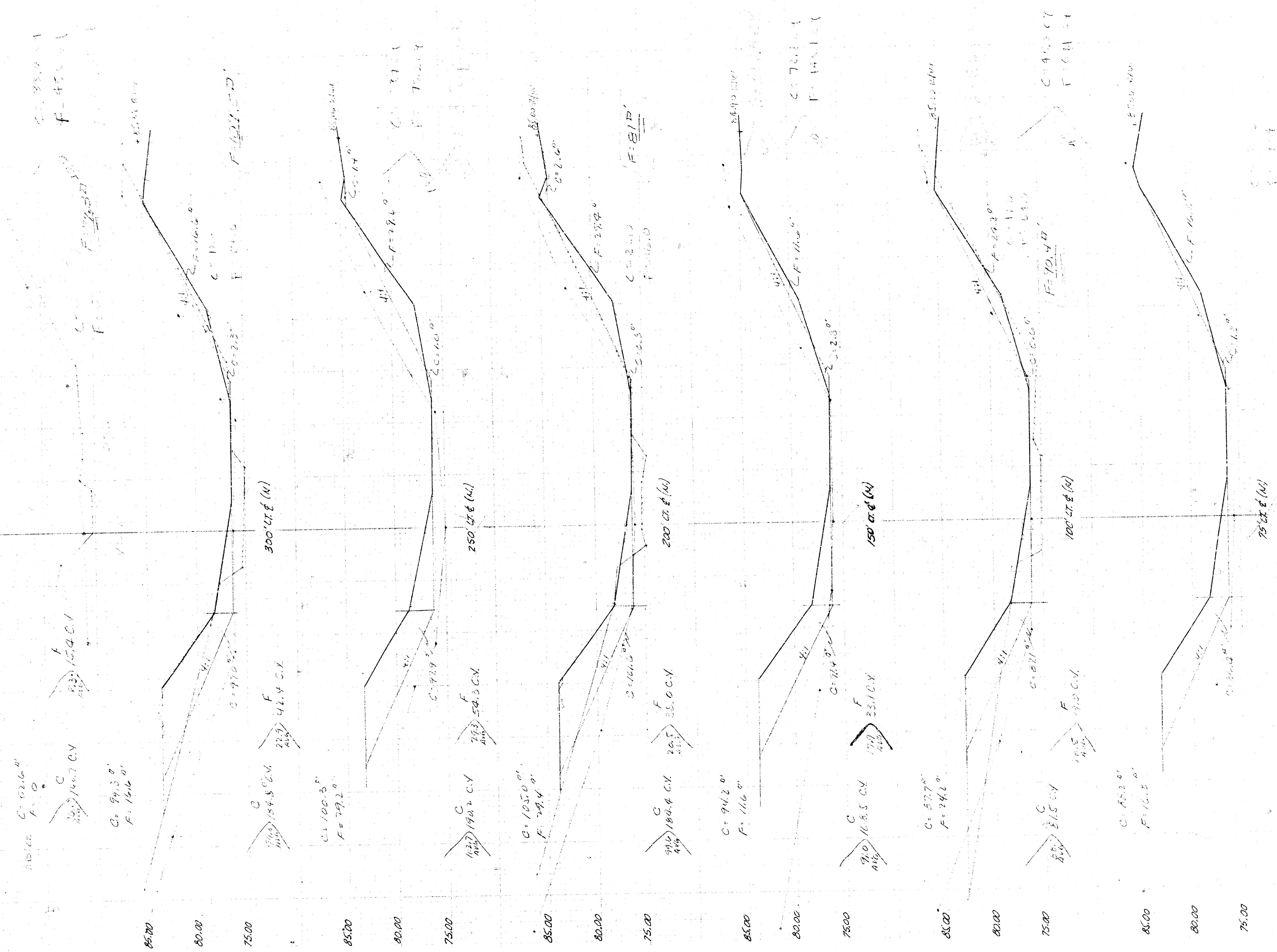
10/14

PROJ.NO.472 75 245 80756 000 000 001



4-12'x13' R.C.B.C.
 46th ST. SOUTH &
 RIVERSIDE DRAINAGE CANAL
 PROJ. NO. 472 76 245 80756 000 000 001

11/14

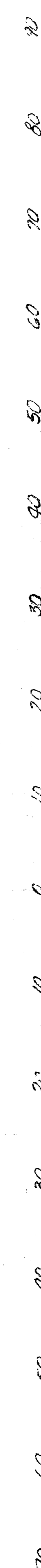


60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

4-12' x 13' R.C.B.C.
46th ST. SOUTH &
RIVERSIDE DRAINAGE CANAL

PROJ.NO. 472 76 245 80755 000 000 001

3/14



14/14