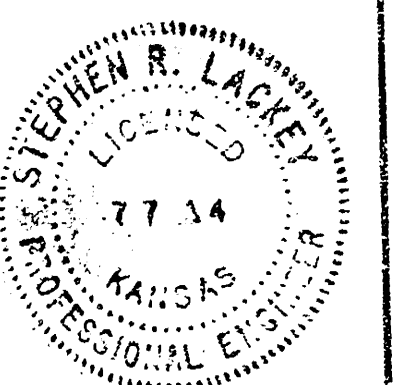
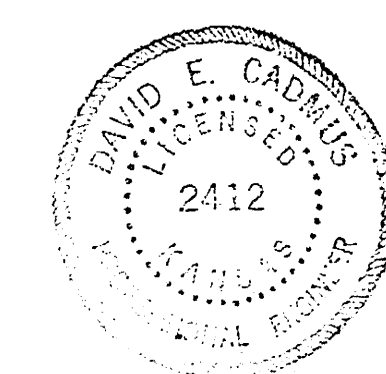
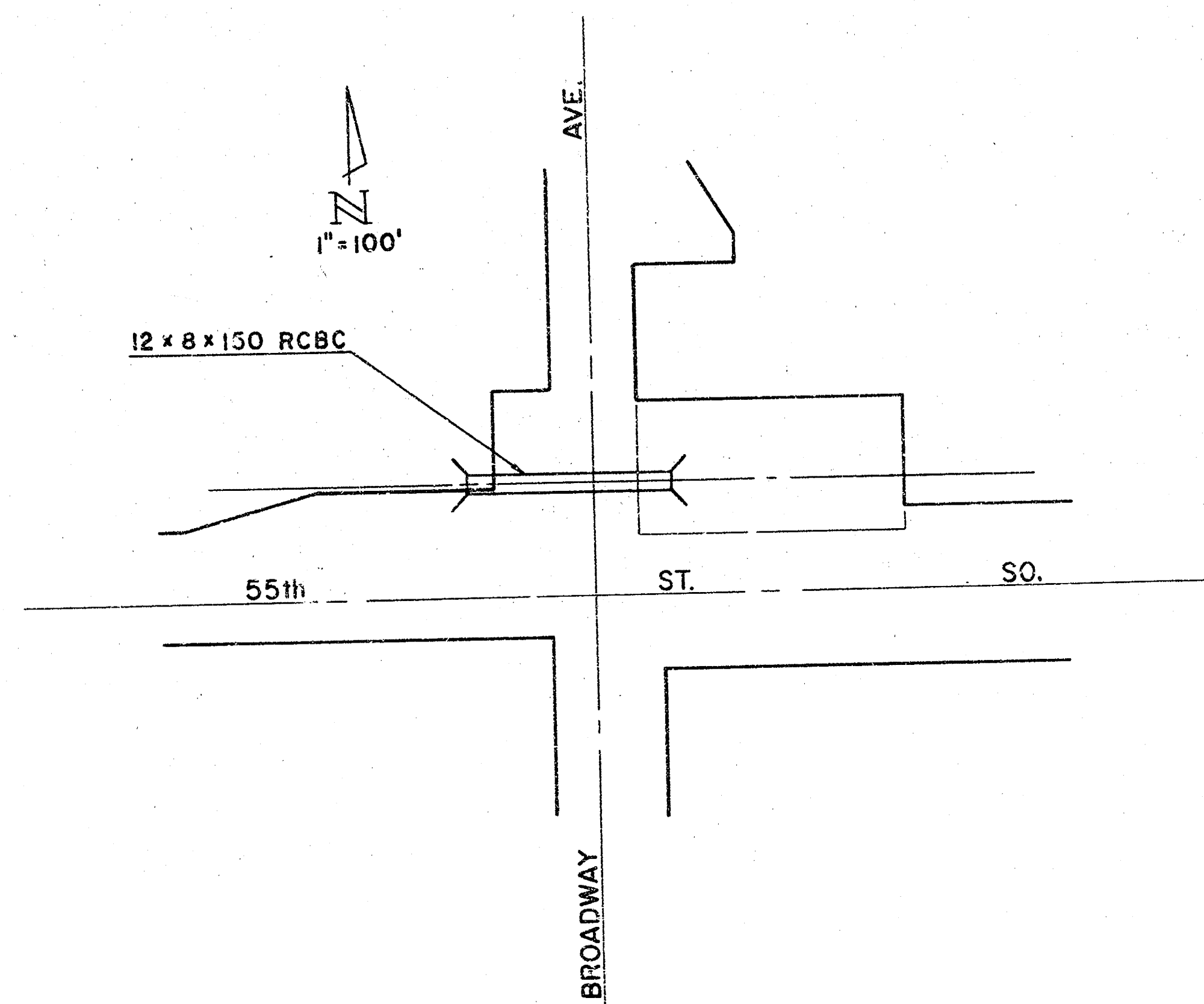


12'x8'x150' R.C.B.C.
BROADWAY - 80' NORTH $\oslash$ 55th ST. SO.

CITY OF WICHITA, KANSAS
D. SELLERS CITY ENGINEER
PROJECT NO. 468 76 245 80583 000 000 004
DATE:



B.M. 83.50 C.R. Sta. 0+00, 41.5' E of E. Broadway + 55' N of S.

NOTE: Construct 2" plank bulkheads and install over ends of pipe stubouts. 4 req'd. Pipe stubouts and bulkheads to be considered incidental to cost of R.C.B.C. construction.

Remove existing pavement for box construction. Replace with 8" Asph. Conc. Pav. (2" Surface, 6" Base).

Service Station Bldg. Conc. Pyl. Pumps, 1 Tanks to be removed by Others. Before excavating for R.C.B.C. and channel, area is to be cross sectioned.

Inlet 3 pipe by Others. Sta. 220+3.84, State Hwy. Plans. Stub out 4 L.F. 36" R.C.P. from R.C.B.C. See Sht. # 4 for box opening detail. Flo. Out Inlet 16.50 Flo. In R.C.B.C. 16.20.

End Proj. 3+13.5

Install Type 3 Rip Rap

Install Type 3 Rip Rap

55th ST.

SO

Inlet 1 pipe by Others. Sta. 47+0.44, State Hwy. Plans. Stub out 4 L.F. 36" R.C.P. from R.C.B.C. See Sht. # 4 for box opening detail. Flo. Out Inlet 18.65 Flo. In R.C.B.C. 18.10.

Inlet 4 pipe by Others. Sta. 50+49.44, State Hwy. Plans. Stub out 4 L.F. 36" R.C.P. from R.C.B.C. See Sht. # 4 for box opening detail. Flo. Out Inlet 19.00 Flo. In R.C.B.C. 18.35.

Extend width of exist. Pav. with 8" Asph. mat for detour. Provide barricades for channeling traffic.

Construct West Three 30' Sections of R.C.B.C. (90 L.F.)

Construct East Two 30' Sections of R.C.B.C. (60 L.F.)

Fill over completed section of R.C.B.C. and place 8" Asph. mat for detour. Provide barricades for channeling traffic.

Note: Subgrade compaction in connection with paving the detour shall be considered incidental to cost of 8" Asph. Conc. (Base). Compaction over completed R.C.B.C. and 2' each side shall be paid for as 6% compacted fill determined by the cross-sections.

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CONSTRUCTION SEQUENCE

1. THE 12' x 8' x 150' R.C.B.C. IS DESIGNED WITH FOUR KEYS JOINTS IN WALLS AND SLABS MAKING FIVE SECTIONS 30 FT. LONG. AS NOTED ON THE PLAN, THE CONTRACTOR, AT HIS OPTION, MAY SUBSTITUTE NO. 4 STEEL REINFORCING BARS FOR THE KEYS JOINTS (SEE NOTE SHEET NO. 3).
2. THE R.C.B.C. CONSTRUCTION SEQUENCE DETAIL (1), THIS SHEET, SHOWS THE EAST 60 L.F. (2-30' SECTIONS) OF THE R.C.B.C. IS TO BE CONSTRUCTED FIRST WHILE THE TRAFFIC IS DIVERTED BY DETOUR AROUND THE WEST END OF THE CONSTRUCTION AREA. THE NEW PAVEMENT FOR DETOUR SHALL BE 8" ASPHALTIC CONCRETE (BASE MATERIAL).
3. THE R.C.B.C. CONSTRUCTION SEQUENCE DETAIL (2), THIS SHEET, SHOWS THE WEST 90 L.F. (3-30' SECTIONS) OF THE R.C.B.C. IS TO BE CONSTRUCTED WHILE TRAFFIC IS DIVERTED BY DETOUR AROUND THE EAST END OF THE CONSTRUCTION AREA OVER THE COMPLETED 60 L.F. OF R.C.B.C. THE NEW PAVEMENT FOR DETOUR SHALL BE 8" ASPHALTIC CONCRETE (BASE MATERIAL).
4. TRAFFIC ENGINEERING SHALL POST THE SPEED LIMIT SIGNS OF 20 M.P.H., AND WILL PROVIDE TEMPORARY MARKINGS AS REQUIRED.
5. THE CONTRACTOR SHALL FURNISH AND MAINTAIN PROPER BARRICADES WITH FLASHERS FOR CHANNELING TRAFFIC SAFELY THROUGH THE DETOURS.
6. PRIOR TO PLACING THE 8" ASPHALTIC CONCRETE FOR DETOURS AND FOR REPLACING EXISTING PAVEMENT REMOVED, THE SUBGRADE SHALL BE COMPACTED TO CITY SPECIFICATIONS.
7. AFTER CONSTRUCTION IS COMPLETE, REMOVE ALL ASPHALT MAT USED FOR TEMPORARY DETOURS, AND FILL AND LEVEL GROUND.
8. ANY SPOIL NOT NEEDED FOR CONSTRUCTION MAY BE DISPOSED OF BY CALLING W. DALE COOPER OF ROBBINS REALTY AT 522-1587.

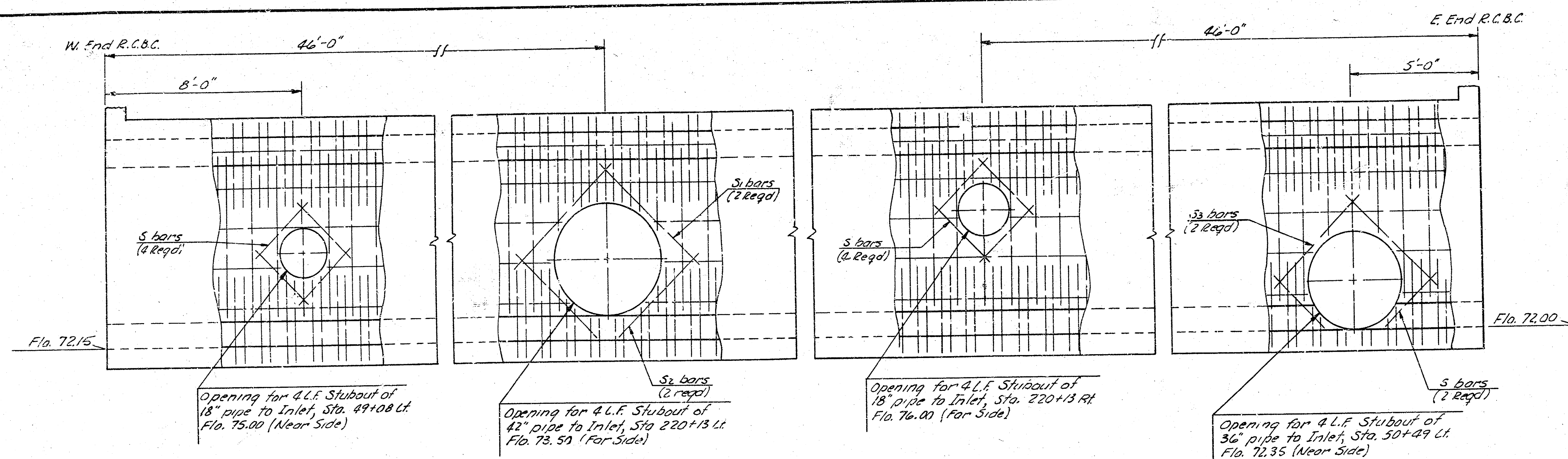
TYPICAL SECTION EXIST. ROADWAY

CONSTRUCTION SEQUENCE

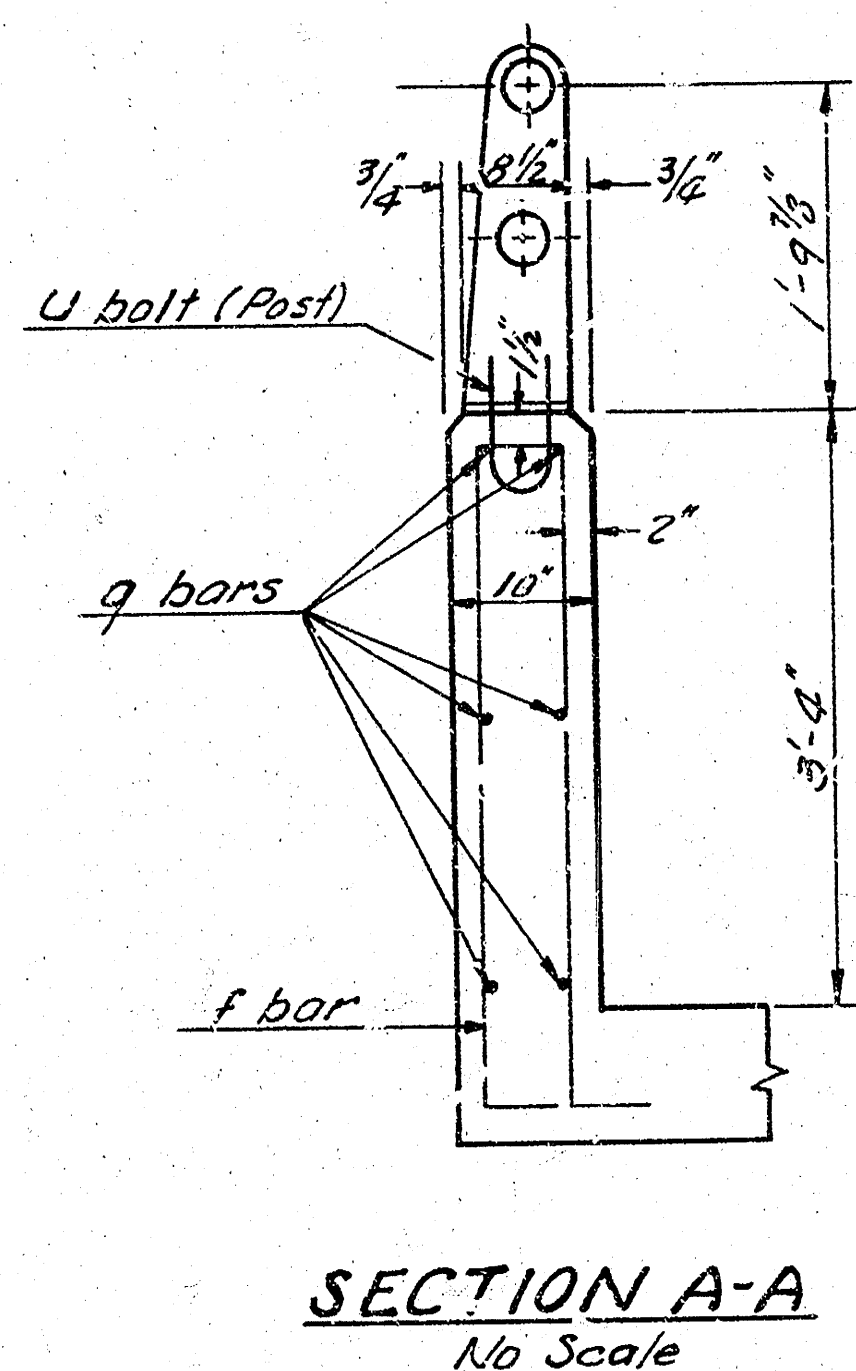
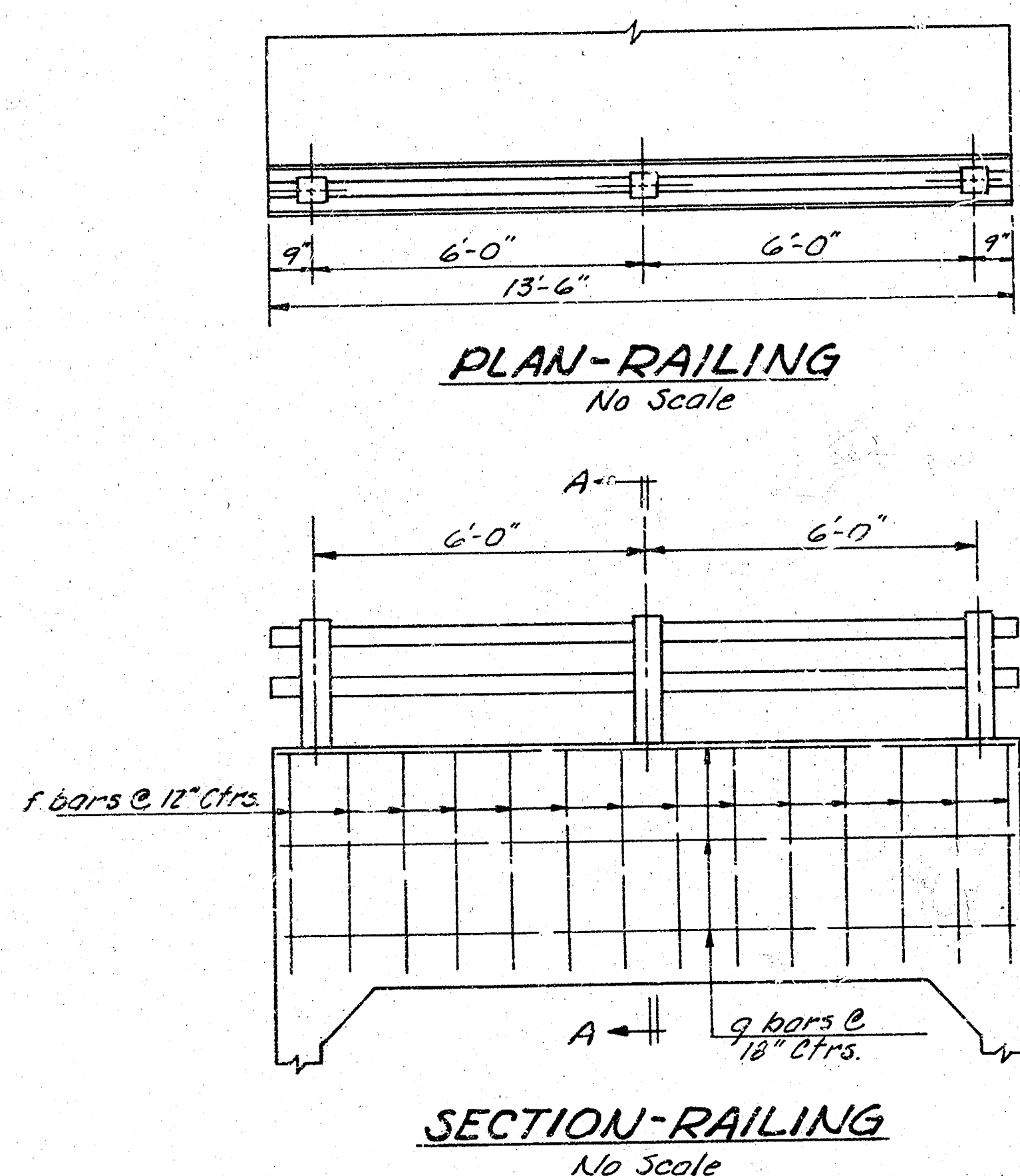
12' x 8' R.C.B.C.
BROADWAY - 80' NORTH
E 55th ST. SO.

CITY OF WICHITA, KANSAS
R.W. LINN - CITY ENGINEER

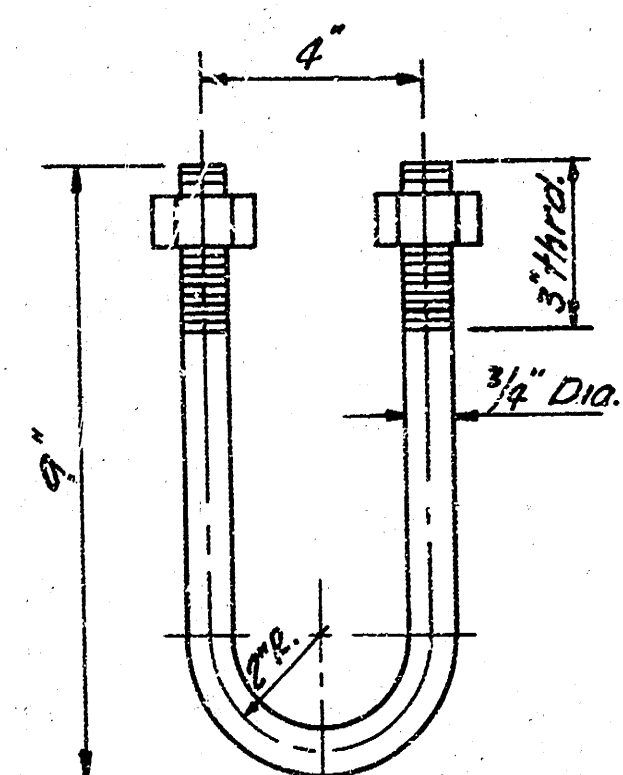
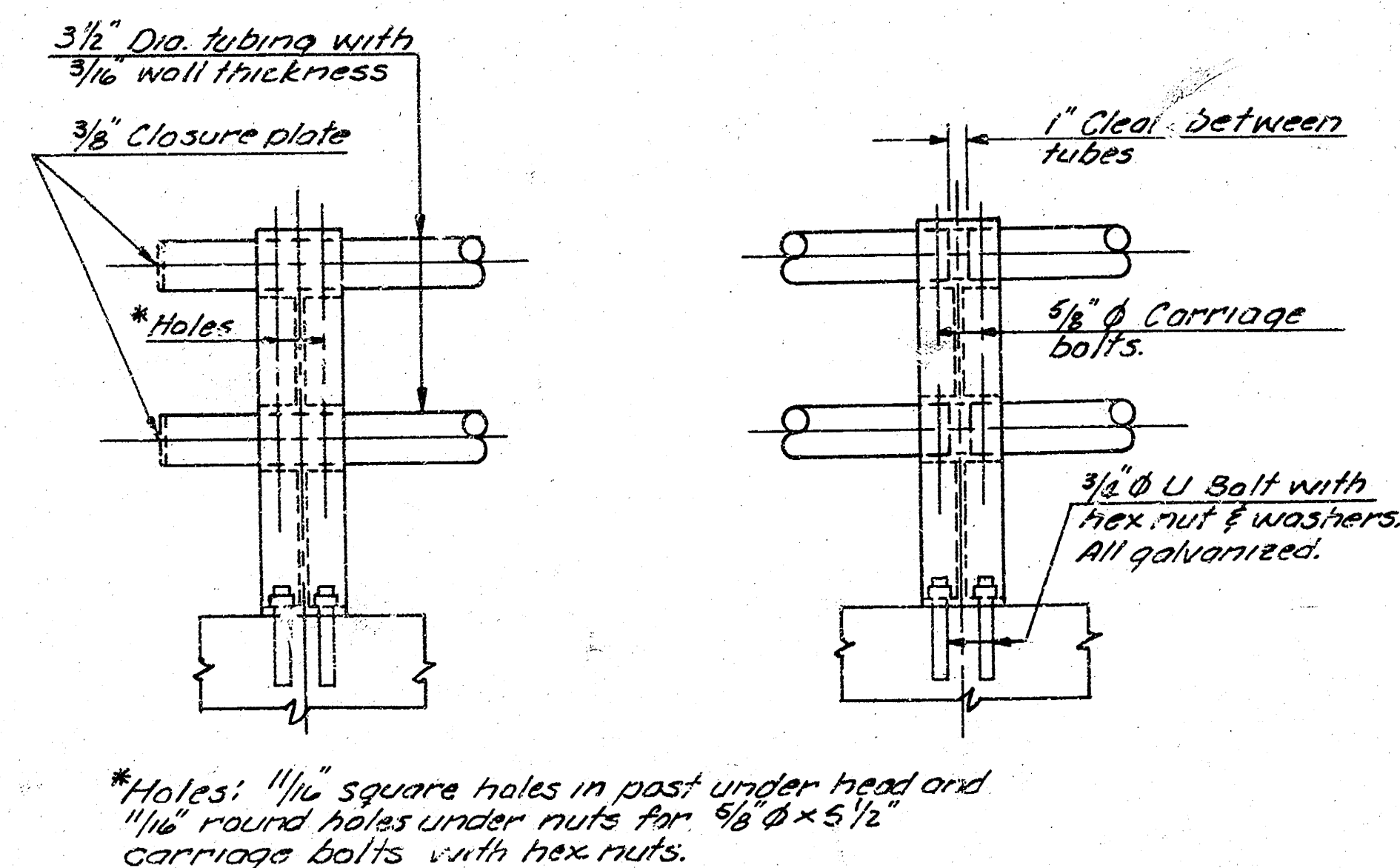
DATE
PROJ. NO. 468 To 345 60583 000 000 004



DETAILS
PIPE OPENINGS - RCBC
No Scale



Note: Aluminum Handrail
Aluminum posts shall be Reynolds Aluminum Highway Products
Bridge Railing System, 1 1/2" dia. or equal.
Top f bar/rail shall be 3/4" O.D. x 3/8" wall tube of
6063-T6 Aluminum.
Aluminum shims between concrete and post base may be used.
The space below posts shall be thoroughly caulked with
Alumilastic compound or other approved material.



GENERAL NOTES

1. CLASS A-AE - CONCRETE SHALL BE USED THROUGHOUT ON THE STRUCTURE. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATIONS.
2. EARTHWORK - ALL EARTHWORK SHALL BE CONSIDERED AS "COMMON EXCAVATION" EXCEPT FOR THE TOW-WALL. TOW-WALL EXCAVATION SHALL BE INCLUDED IN "LUMP SUM BID".
3. BACKFILL - ALL BACKFILL AND EXCAVATION TO EXTEND TO (2') BEYOND SIDES OF BOX AND WING-WALLS.
4. BEVEL - ALL EXPOSED EDGES OF CONCRETE WITH 3/4" TRIANGULAR MOULDING.
5. WEEPHOLES - COURSE AGGREGATE SHALL BE DEPOSITED BEHIND EACH WEEPHOLE TO OCCUPY A SPACE EXTENDING (15") IN ALL DIRECTIONS ABOVE WEEPHOLE FLOW 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 3" CLASS "A" CONCRETE SHALL BE CONSTRUCTED ONLY WHERE SPECIFIED ON THE PLANS OR BY THE ENGINEER. NO REINFORCING SHALL BE PLACED UNTIL THE SEAL COURSE HAS GAINED SUFFICIENT STRENGTH TO PERMIT WORKING UPON IT WITHOUT DAMAGE.
7. BIDDING OF CULVERT - THE CULVERT SHALL BE BID AS A "LUMP SUM BID" WHICH SHALL INCLUDE THE FOLLOWING ITEMS: CLASS A-AE CONCRETE, REINFORCING STEEL, HAND EXCAVATION, AND ALUMINUM HANDRAIL. ALL OTHER ITEMS SHALL BE INCLUDED AS BID ITEMS.
8. THE QUANTITIES SHOWN IN THE "BILL OF MATERIALS" WHICH ARE INCLUDED IN THE "LUMP SUM BID" OF THE CULVERT ARE FOR "INFORMATION PURPOSES ONLY". THE CONTRACTOR MUST SATISFY HIMSELF AS TO THE "QUANTITIES" AND THE ENGINEER ASSUMES NO RESPONSIBILITIES FOR THEIR ACCURACY. THE CONTRACTOR WILL HAVE THE FULL RESPONSIBILITY FOR PROVIDING ALL THE MATERIALS ON THE DETAILED PLANS NECESSARY TO COMPLETE THE PROJECT.

BILL OF MATERIALS		
ITEMS	QUANTITY	UNIT
Class A-AE Concrete	224.24	C.Y.
Reinforcing Steel	28.275	Lbs.
Hand Excavation	10.8	C.Y.
Aluminum Handrail	27	L.F.
Class A Concrete-Seal Course	3.75	C.Y.
Excavation	4859.3	C.Y.
Compacted Fill	494.5	C.Y.
Ricrap - Type 3	189.0	S.Y.

Lump Sum Bid

Bid Items

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