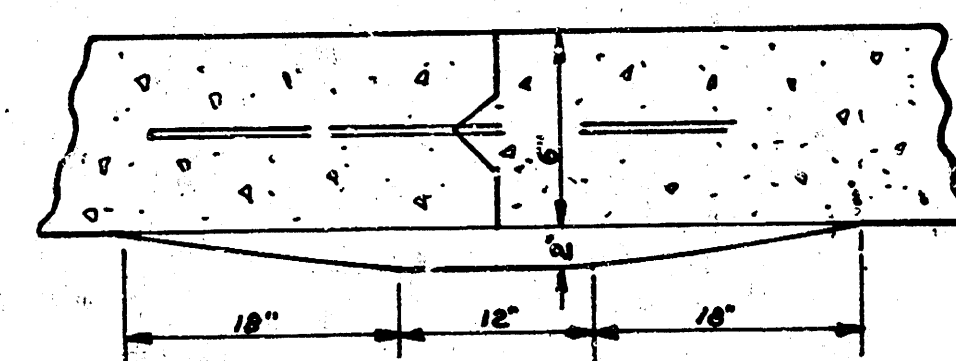
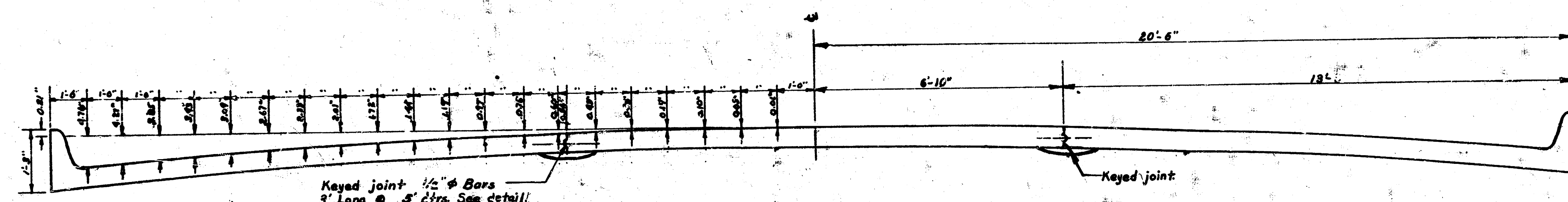




DETAIL OF KEYED JOINT
No Scale.

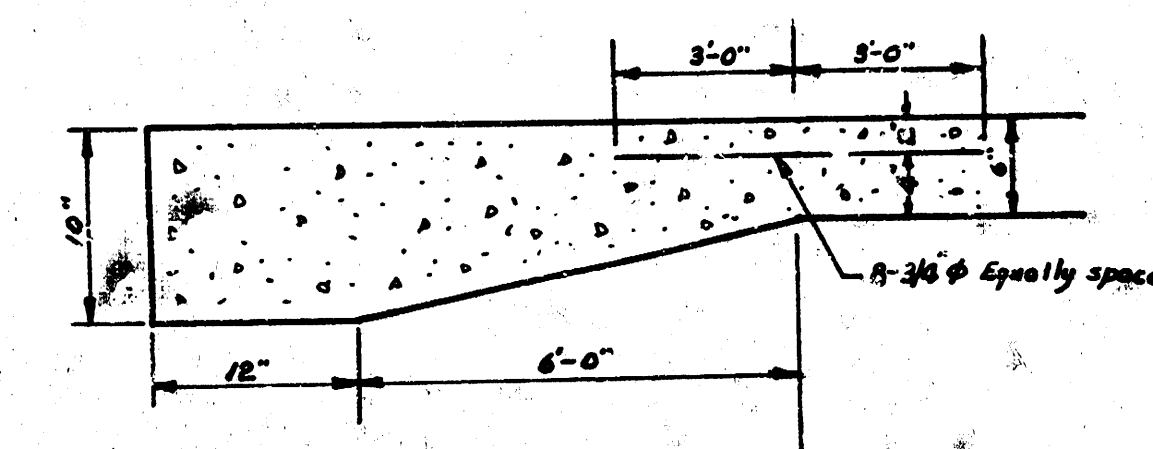


TYPICAL SECTION
No Scale

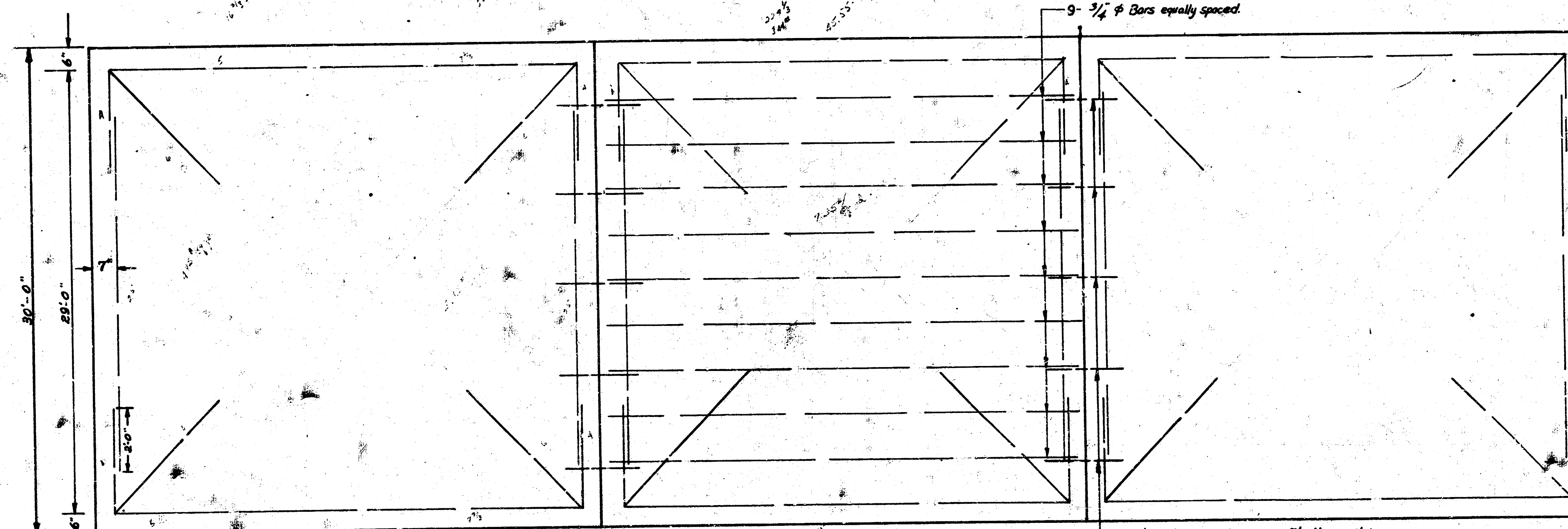
To be filled with hot asphalt



DETAIL OF CONTRACTION JOINTS
No Scale



DETAILS OF SLAB THICKENING for BRIDGE APPROACH
No Scale



STEEL PATTERN
No Scale

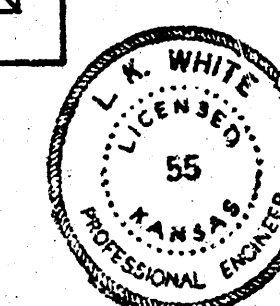
NOTE: All reinforcing bars are 3/4" ϕ .
Dowel Bars are 1/2" ϕ .

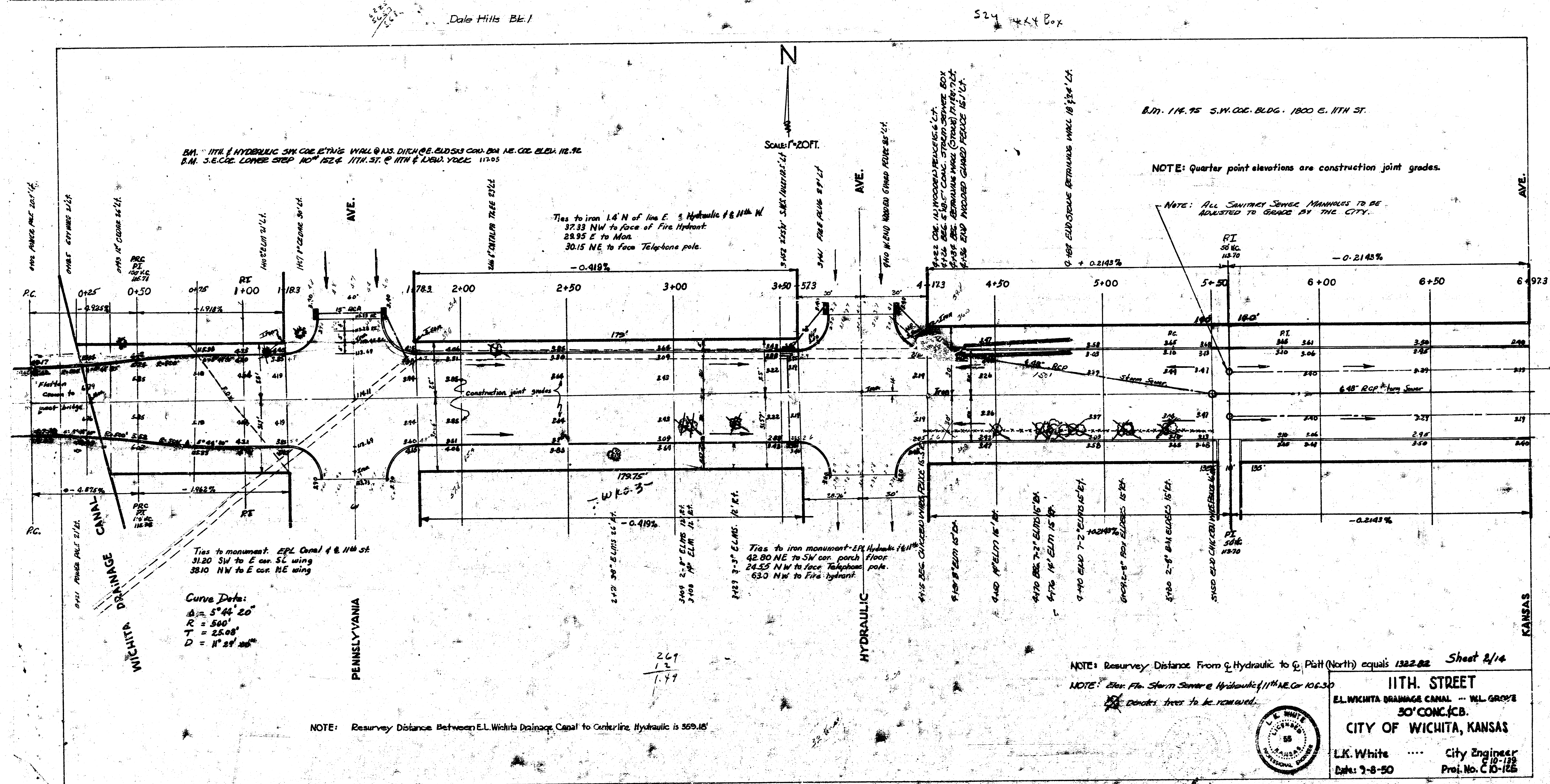
9- 3/4" ϕ Bars equally spaced.

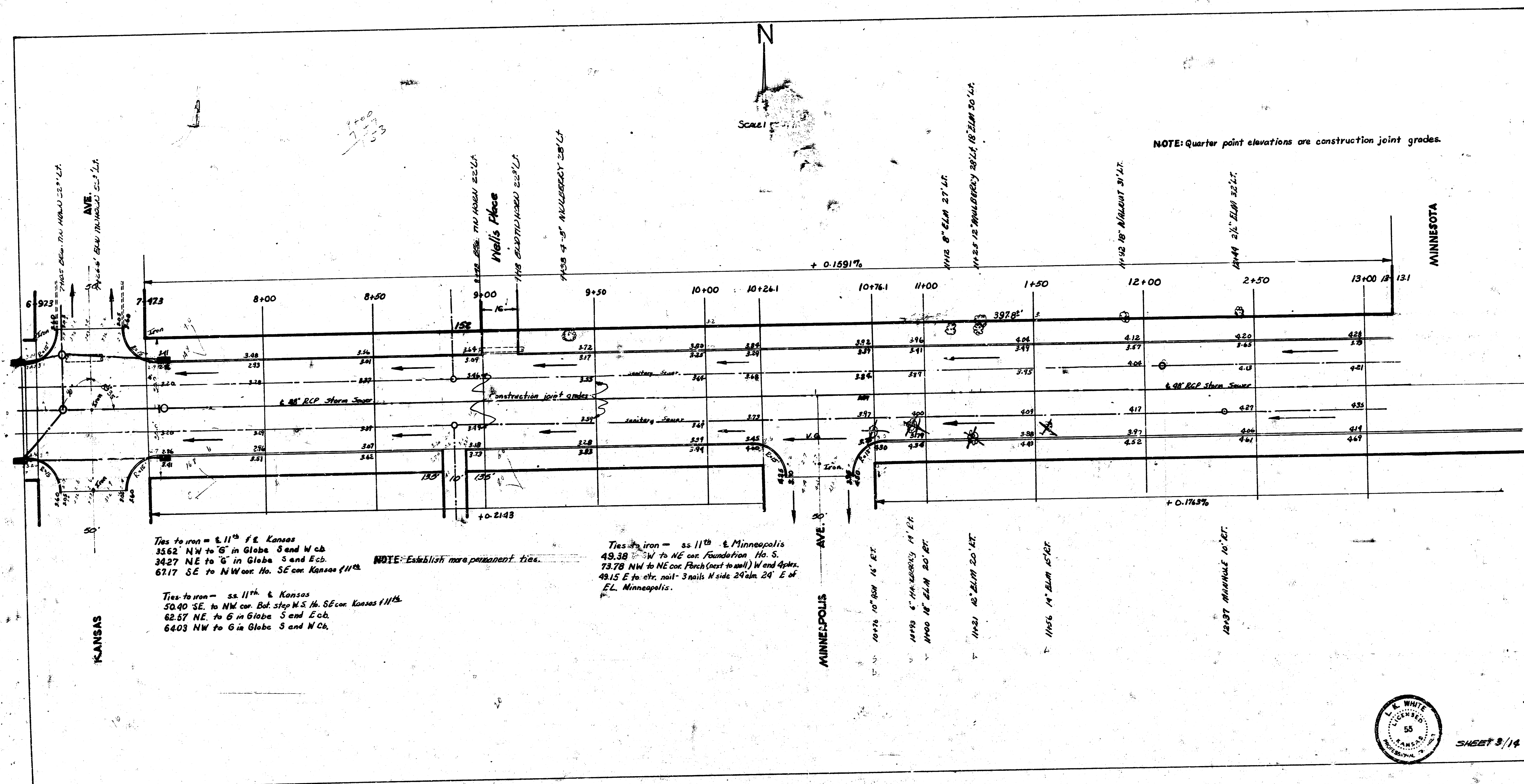
1/2" ϕ Dowel Bars - 5' ctrs. 3' long.

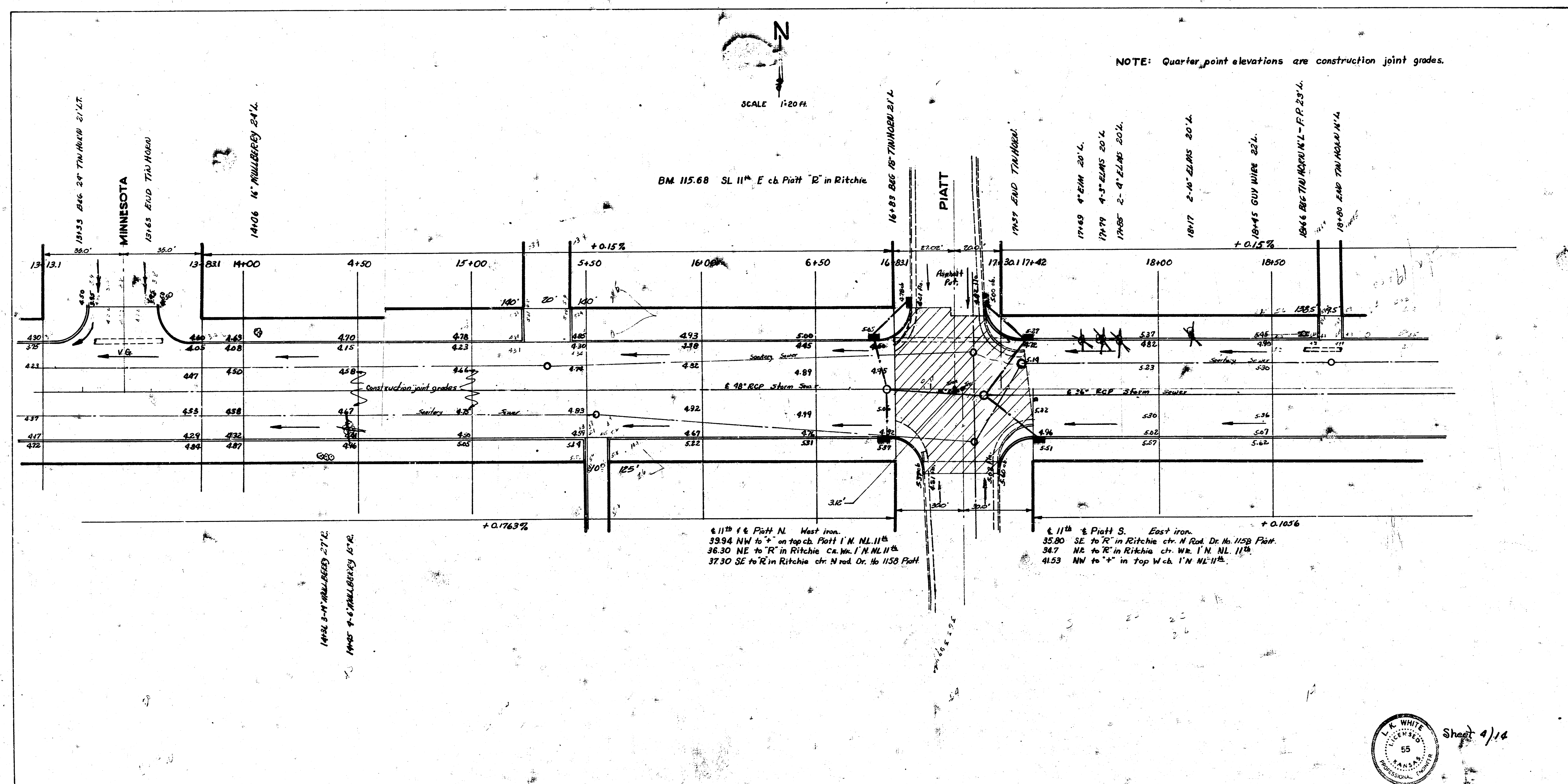
Sheet 1/14

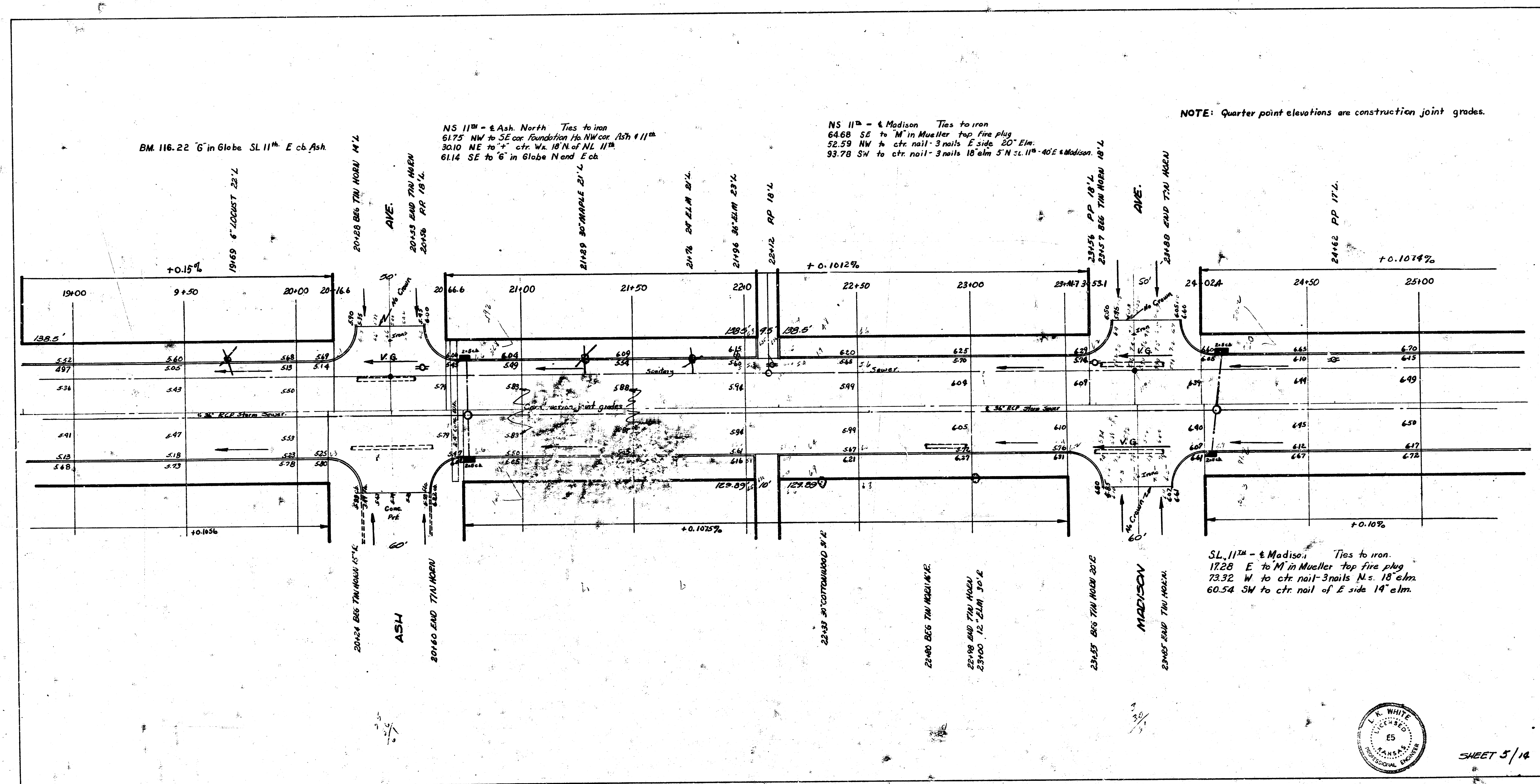
ELEVENTH ST.
EL DRAINAGE CANAL - WL GROVE
30' Conc. & Ch. - Widen to 40'
CITY OF WICHITA, KANS.
L. K. White City Engineer
Jan. 1931 PROJ NO. C10-155
C.10-155









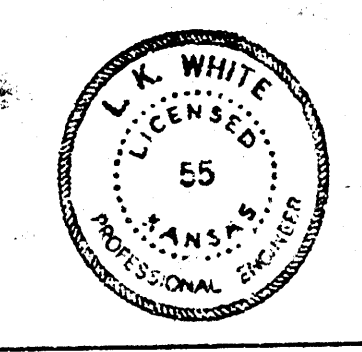
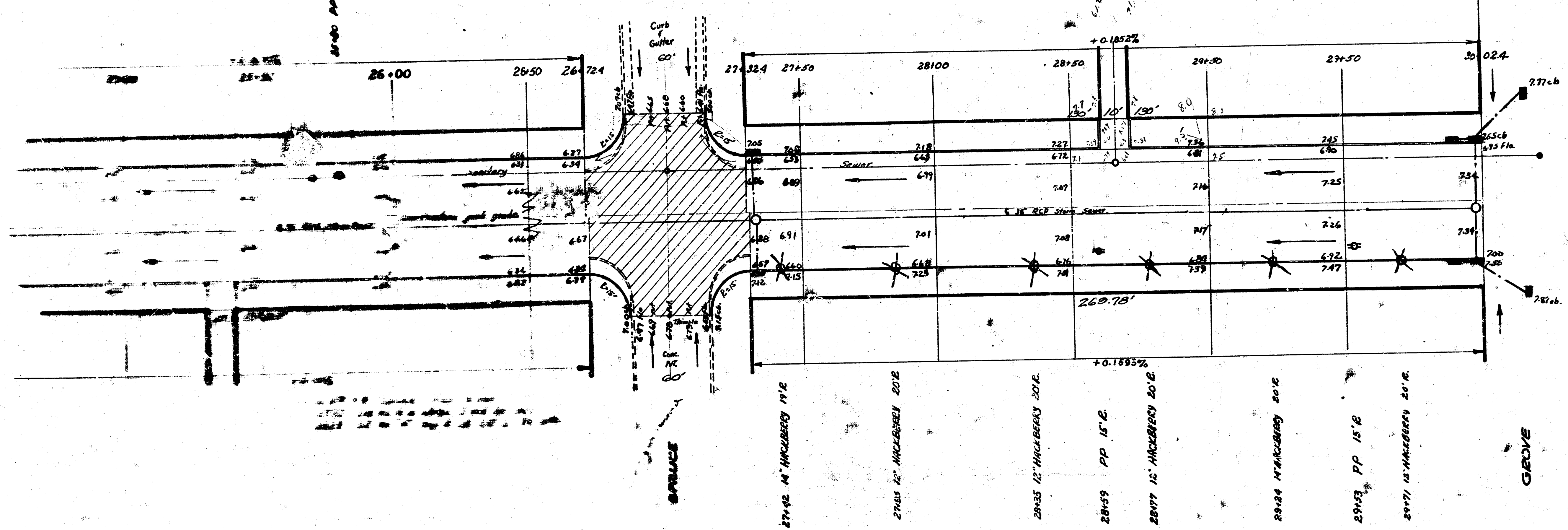




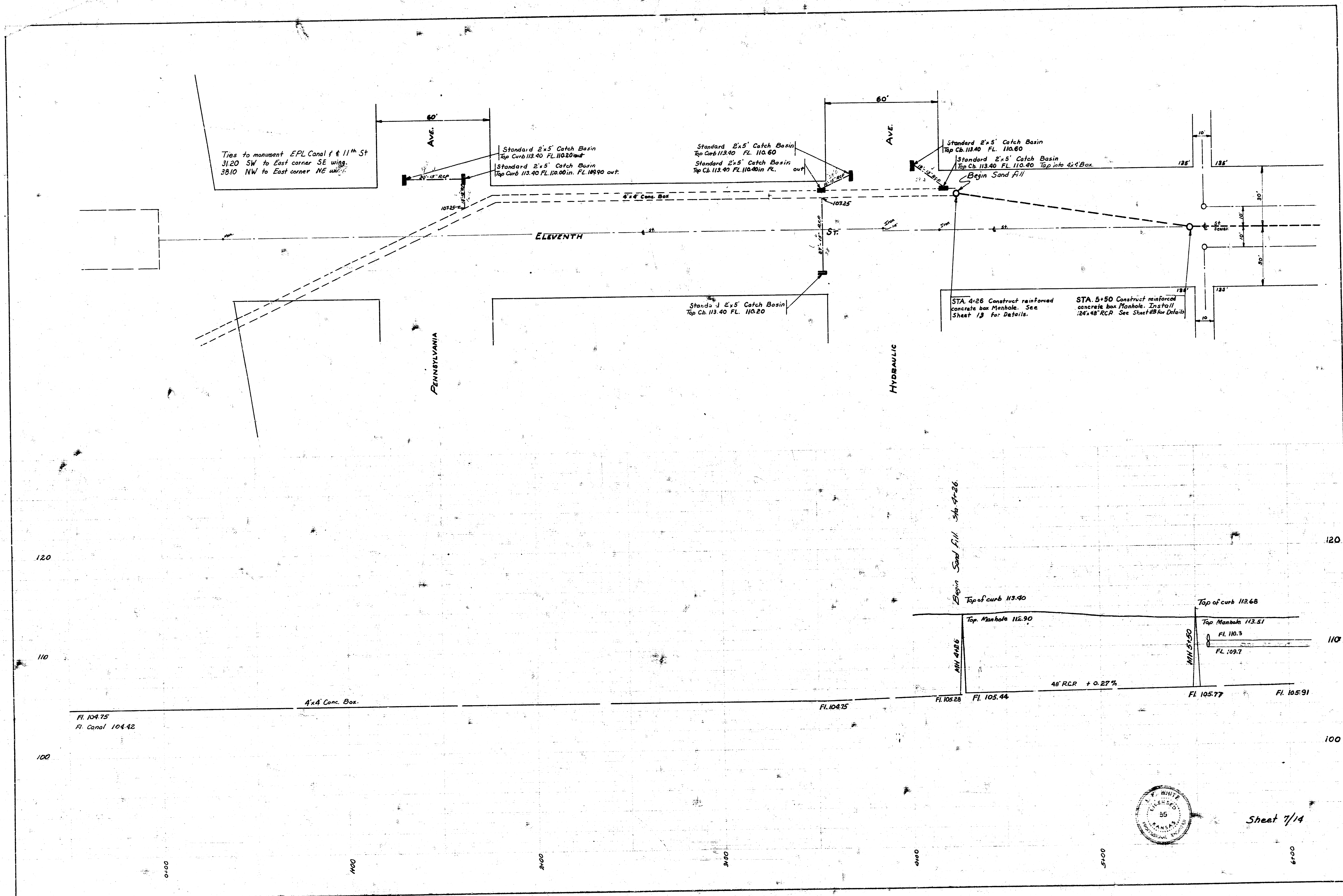
NOTE: Quarter point elevations are construction joint grades.

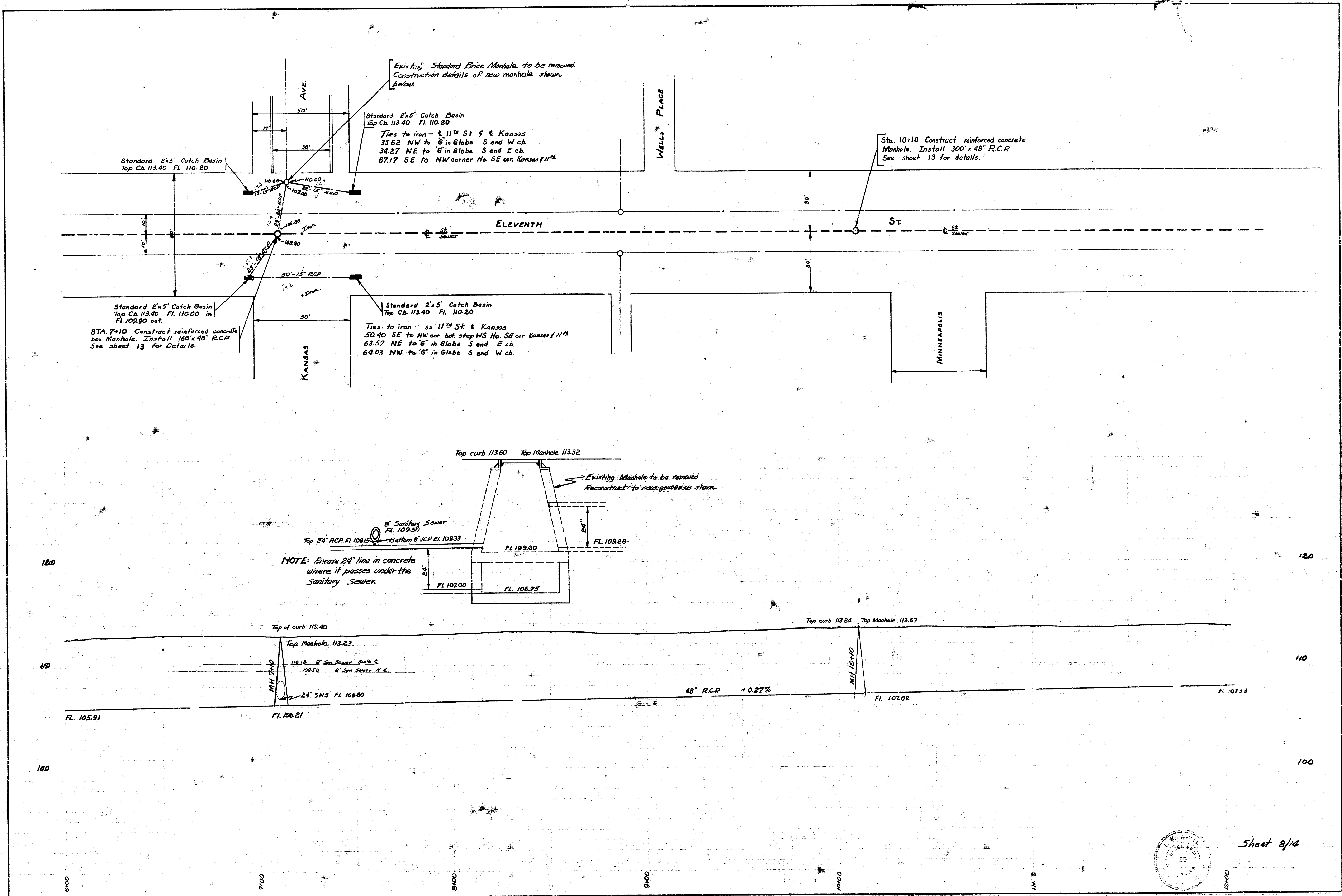
BM 11709 6" in Globe SL 11" Wcb. Spruce.

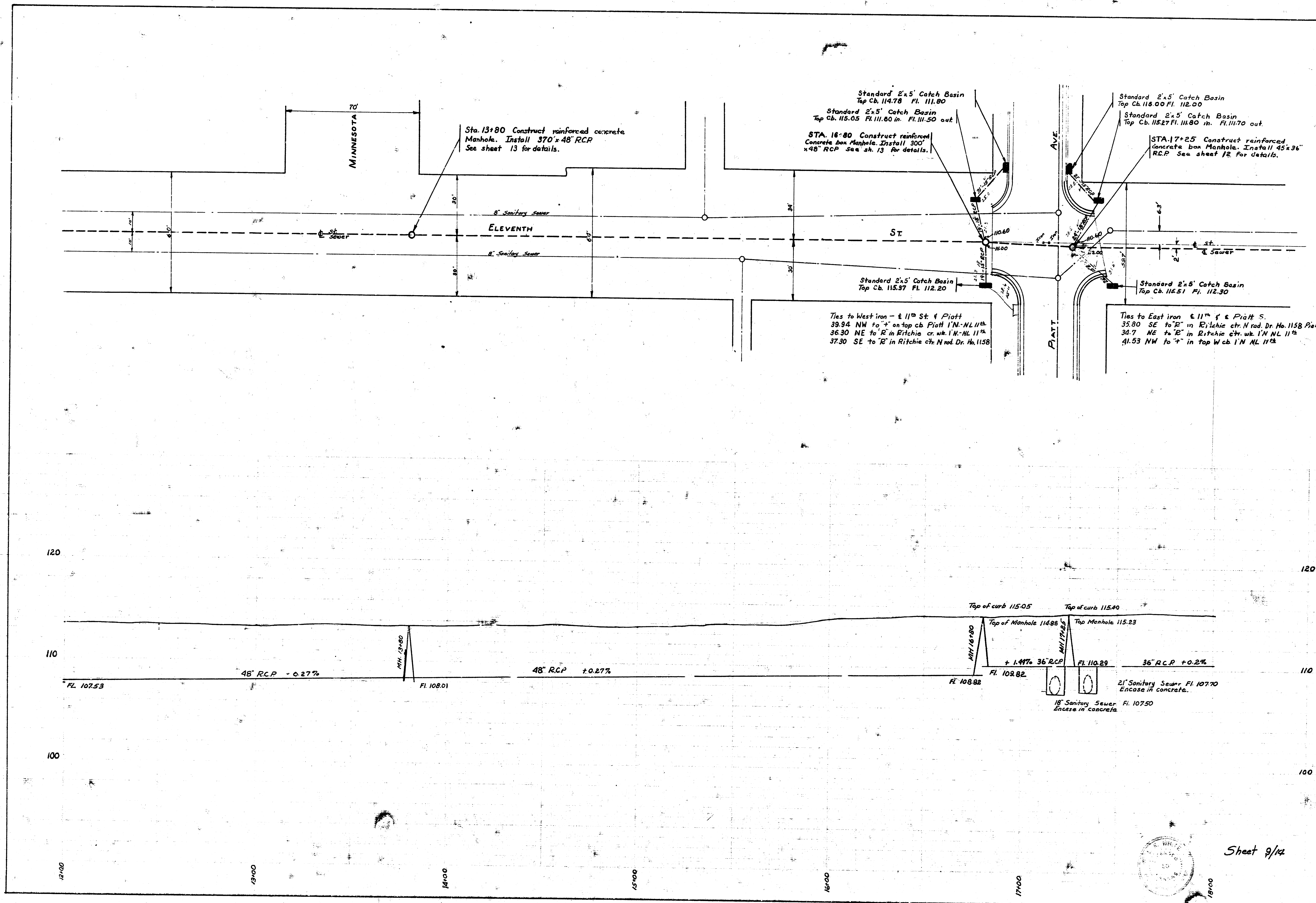
N. s. 11" x 6" Spruce Ties to iron.
193 NW to "x" top Wcb 11" N. of M.L. 11"
3863 NE. to SW cot App. Wcb. No. 1202 Spruce.

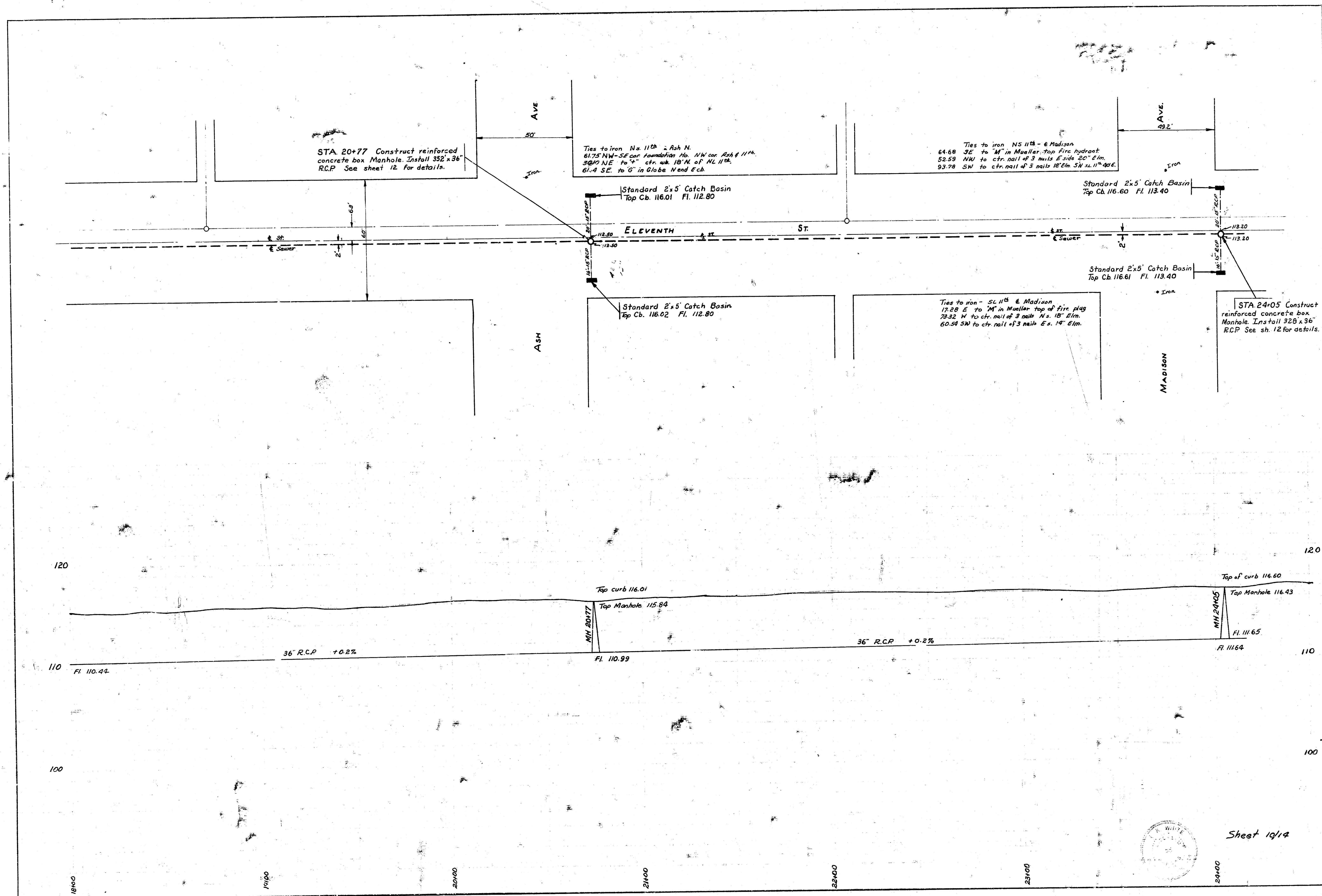


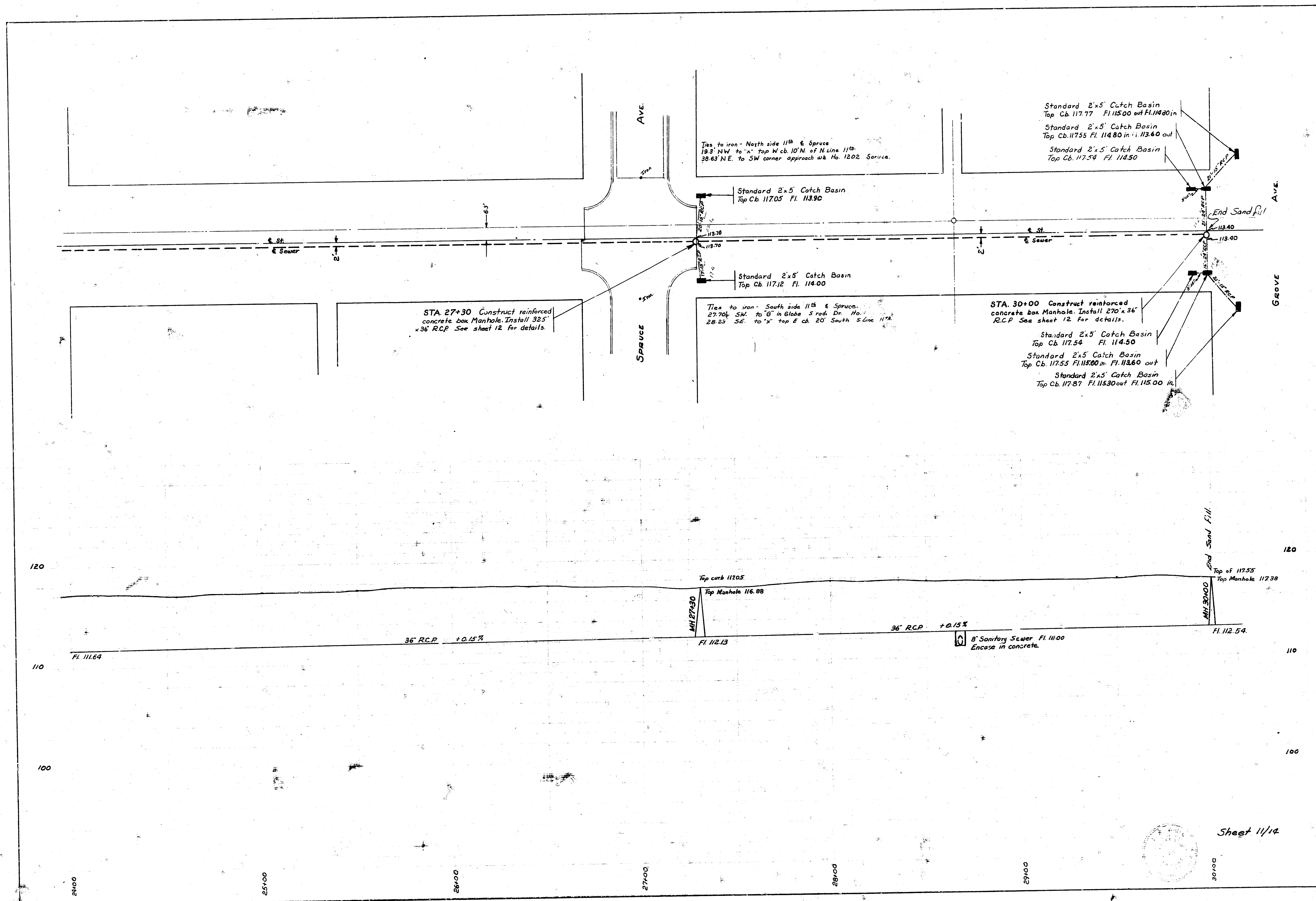
SHEET 6/14



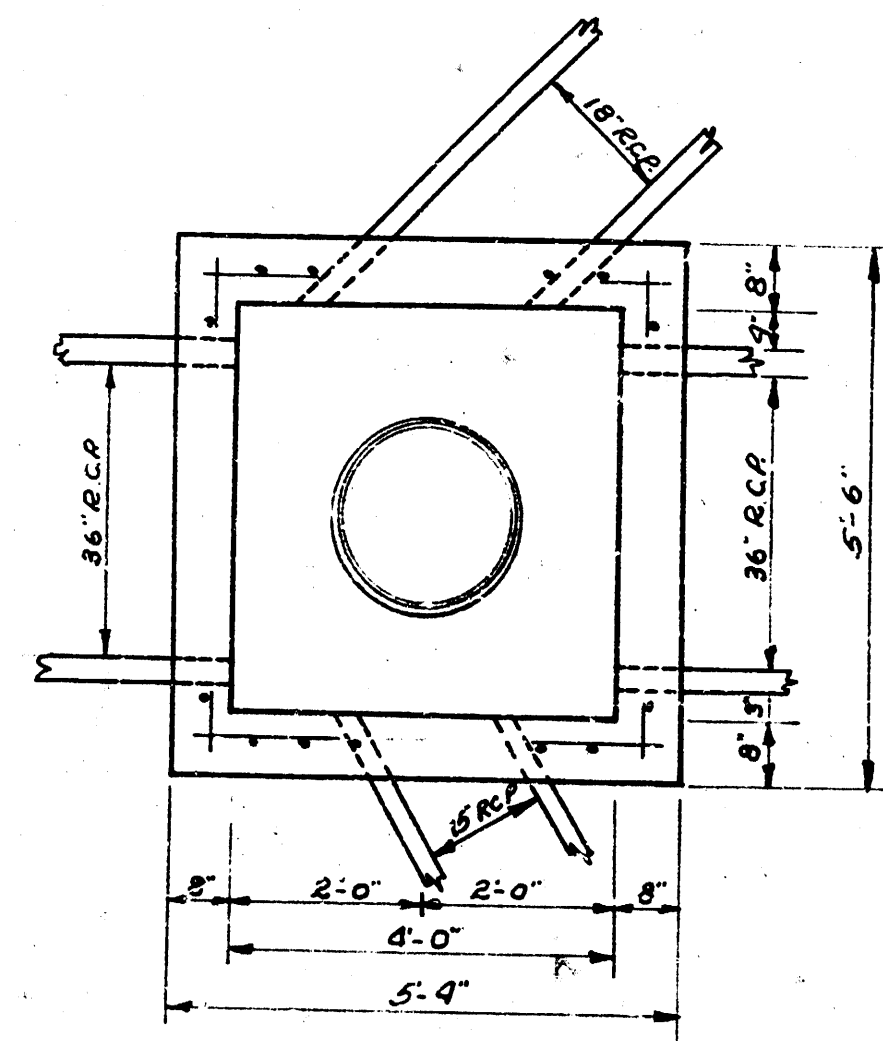




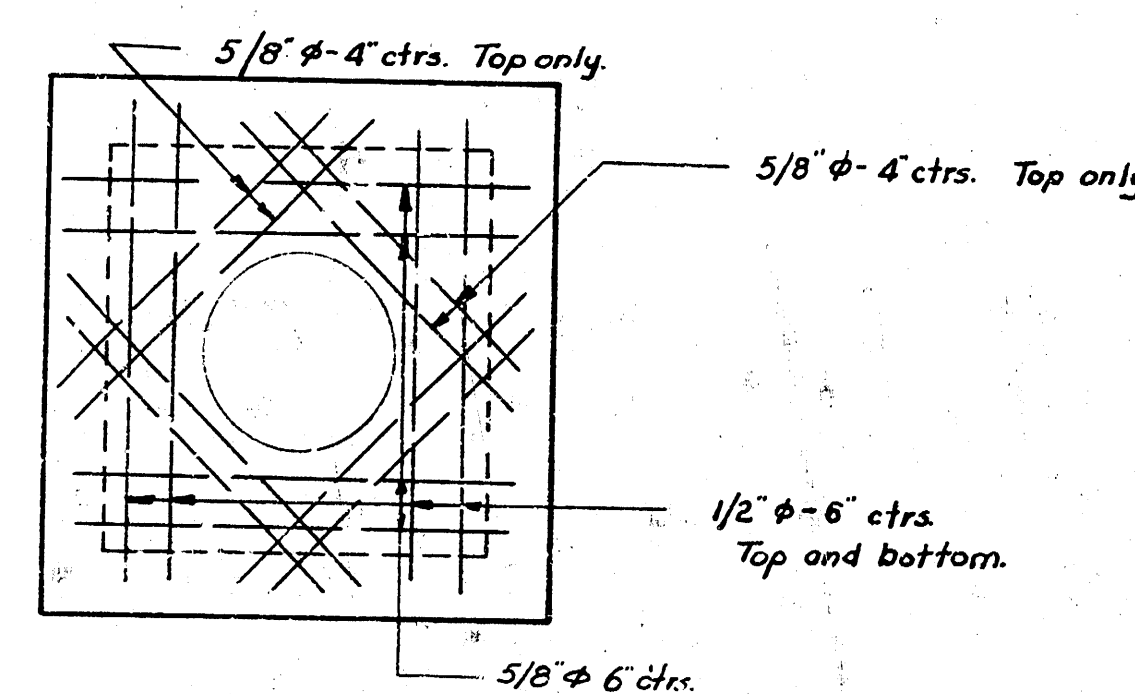




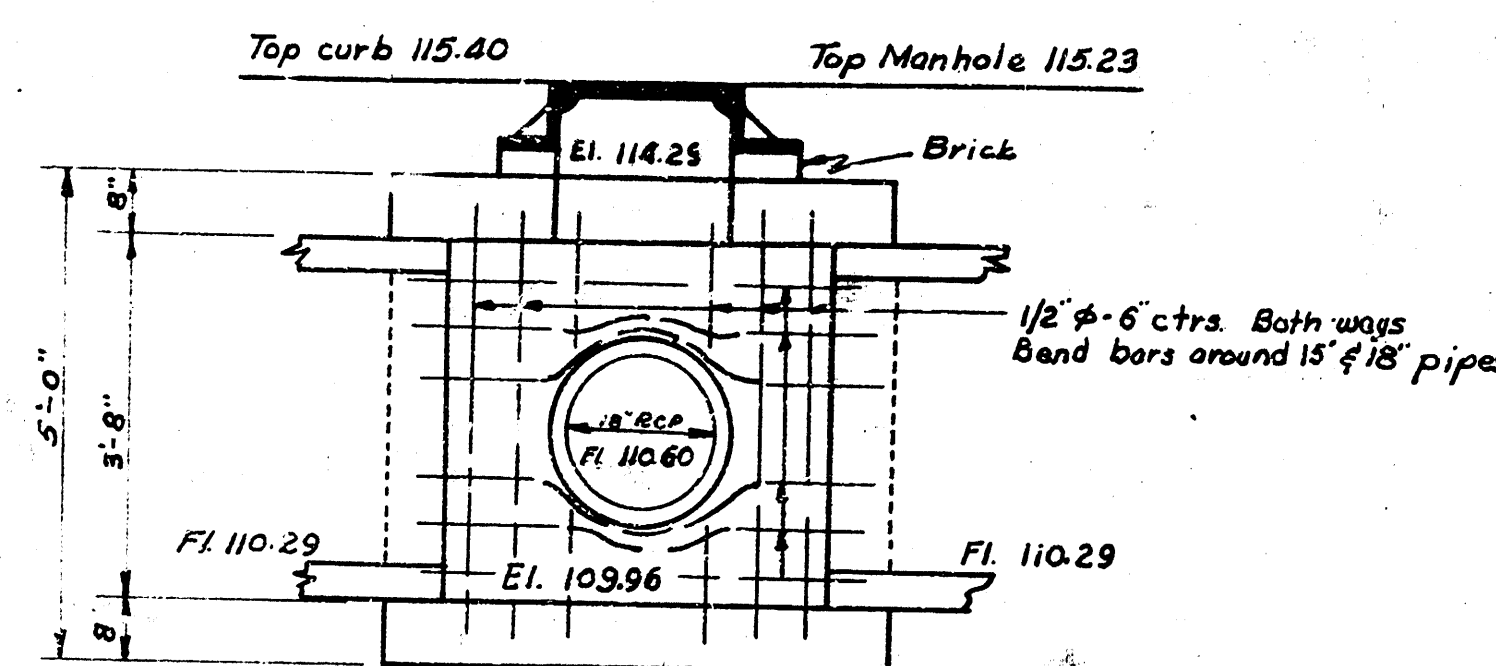
DETAILS MANHOLE 17+25



PLAN
Showing steel placement in walls.

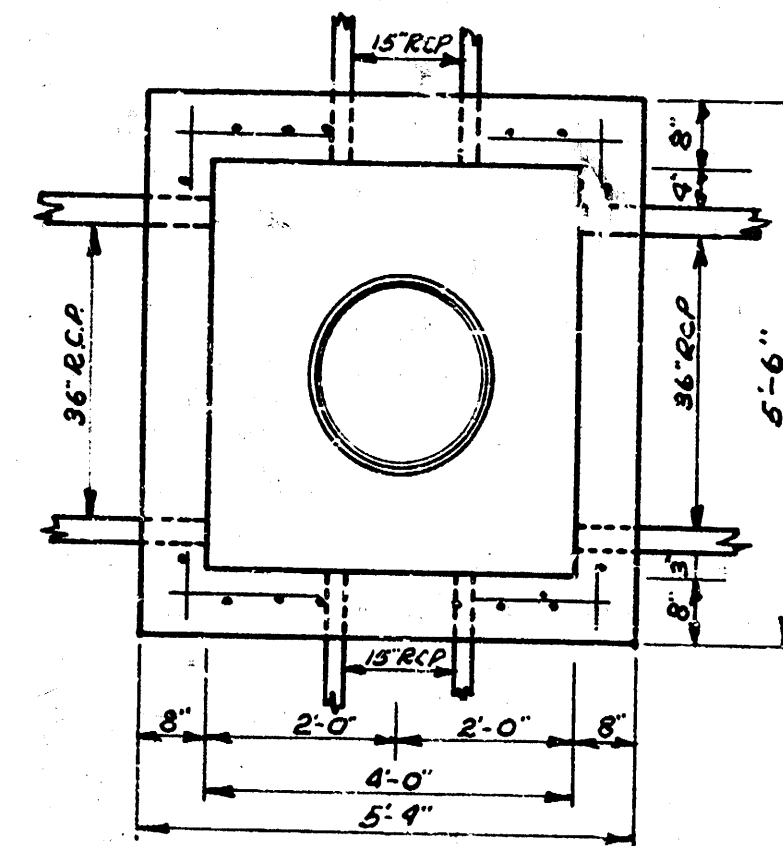


SECTION
Showing reinforcing steel in Top & Bottom.

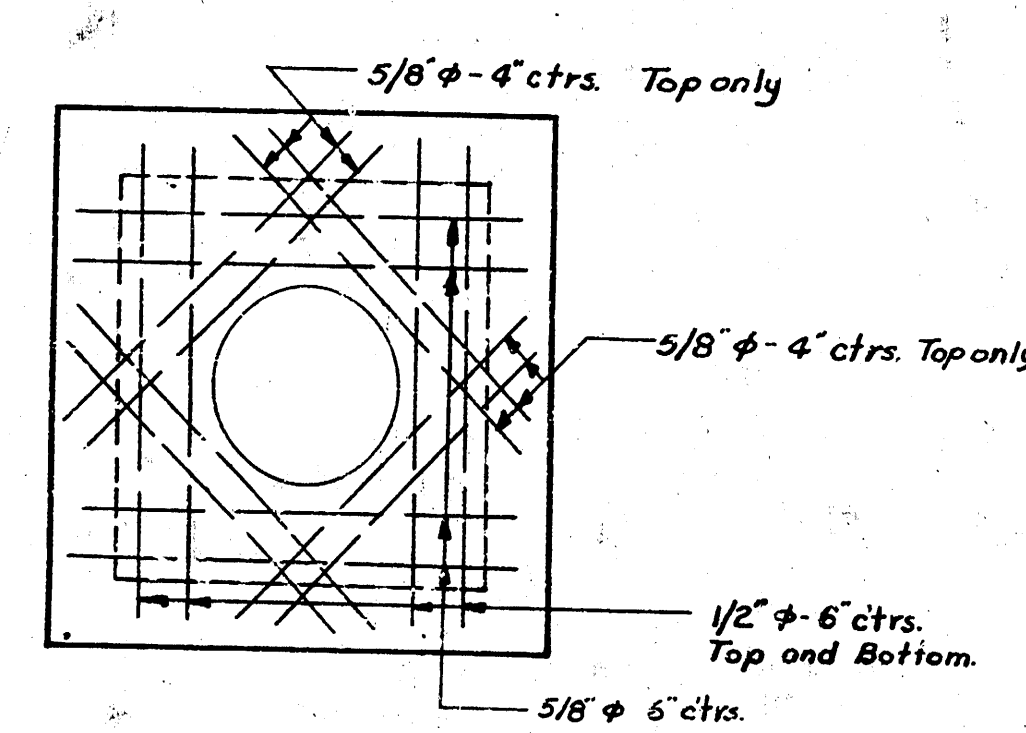


PROFILE
Showing reinforcing steel in walls.

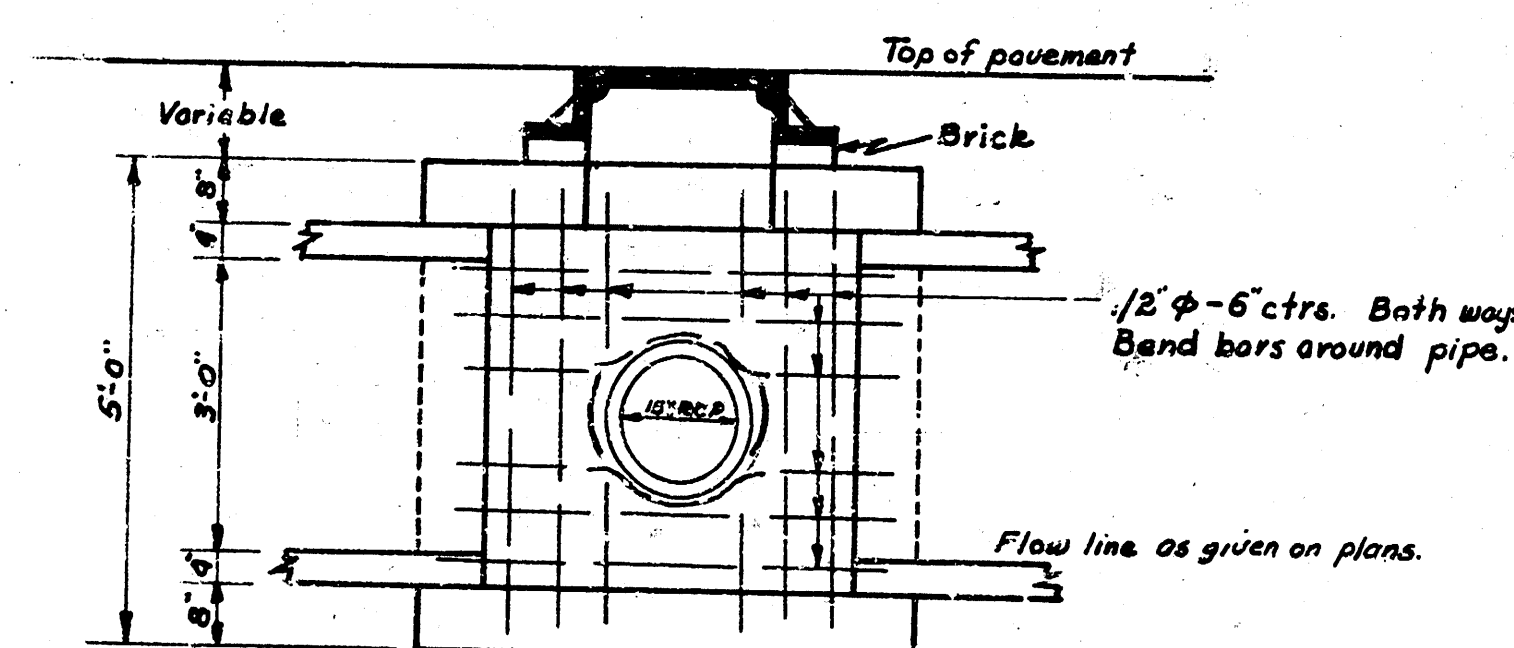
DETAILS MANHOLES 20+77 - 24+05 - 27+30



PLAN
Showing steel placement in walls.

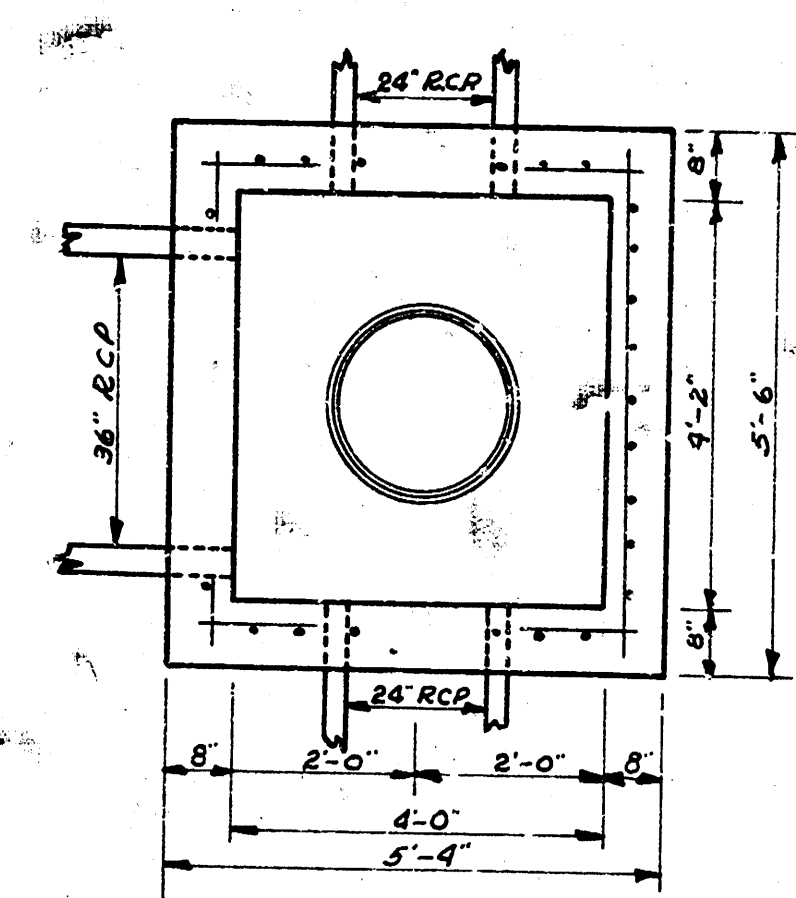


SECTION
Showing reinforcing steel in Top & Bottom.

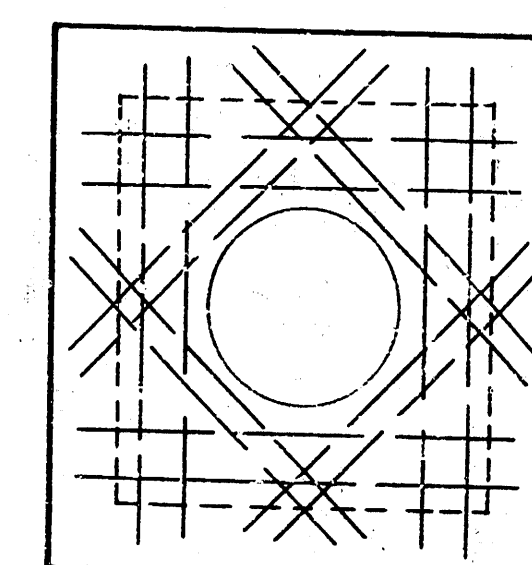


PROFILE
Showing reinforcing steel in walls.

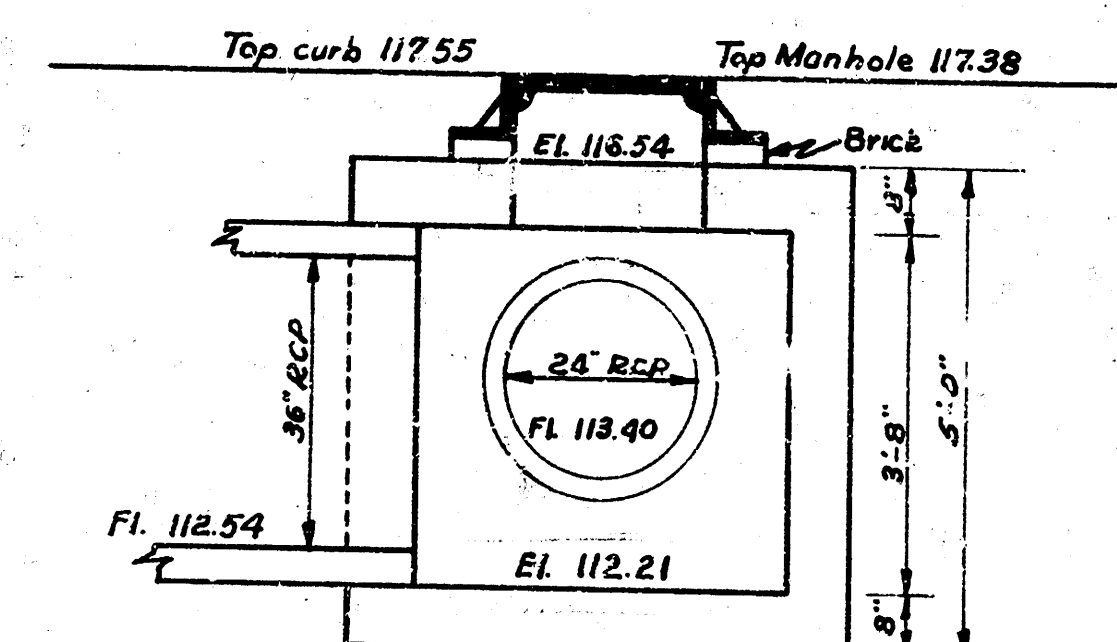
DETAILS MANHOLE 30+00



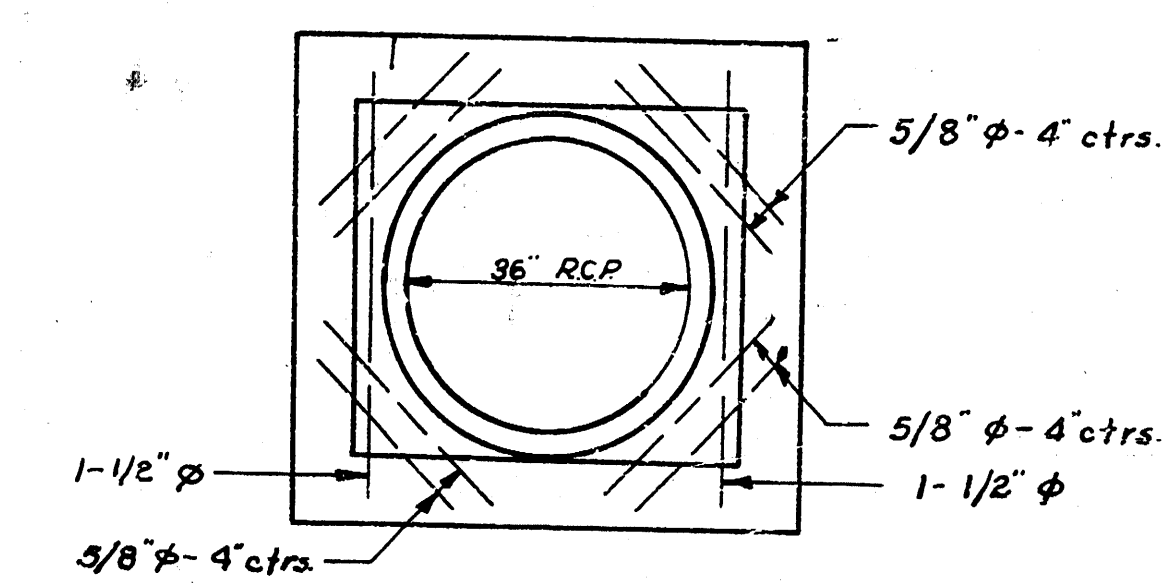
PLAN
Showing steel placement in walls.



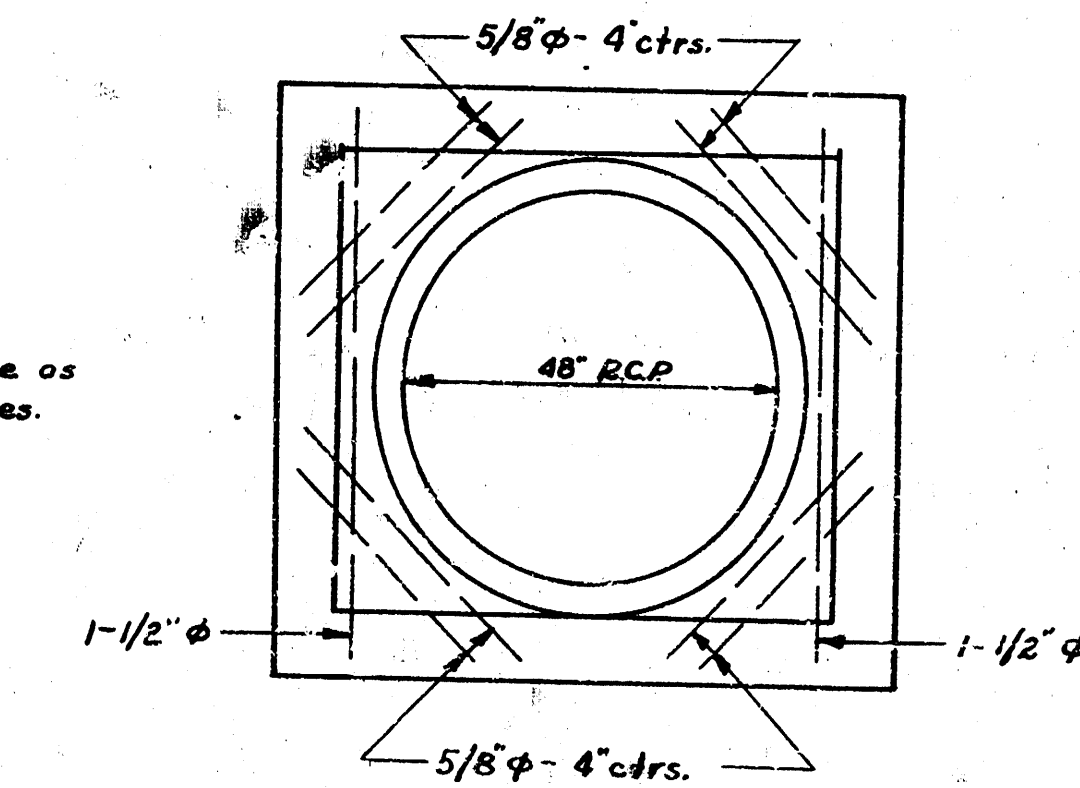
SECTION
Showing reinforcing steel in Top & Bottom.



PROFILE
NOTE: Steel pattern as to size and spacing same as Manhole 17+25.



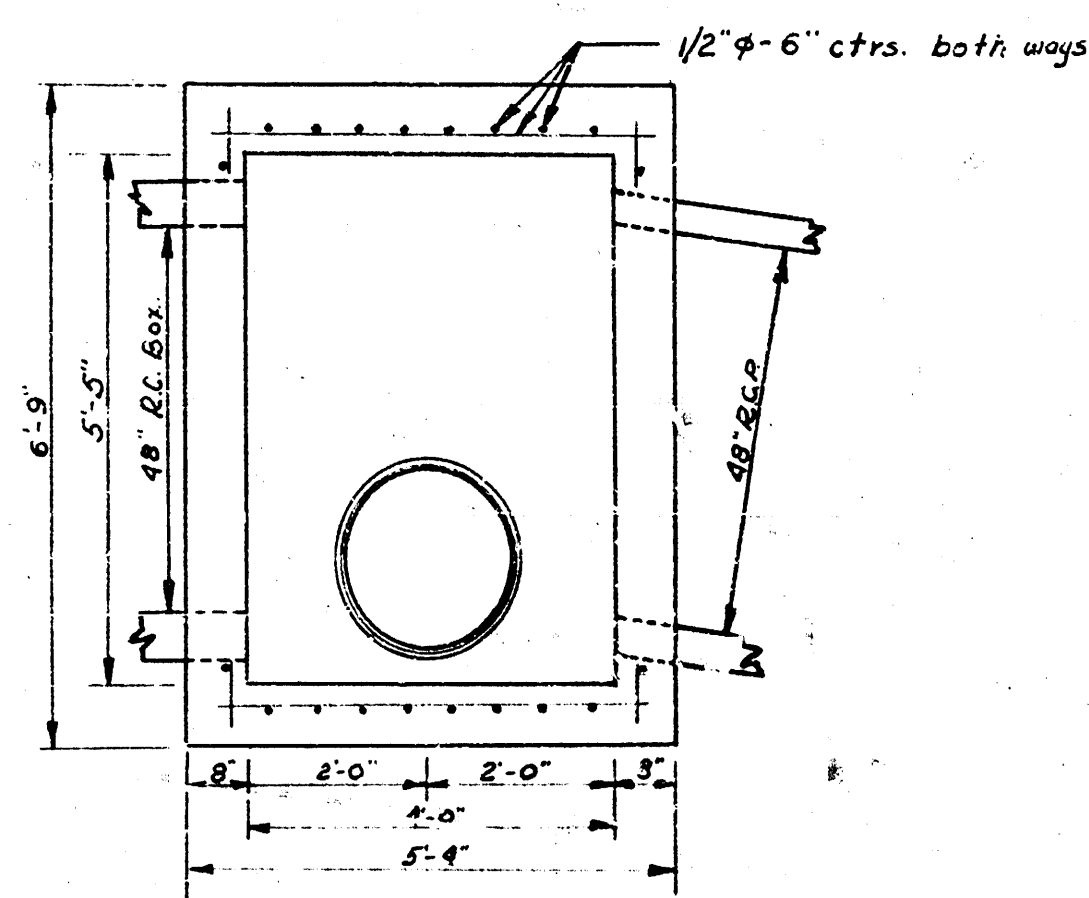
SECTION
Showing steel pattern around 36" pipe.



SECTION
Showing steel pattern around 48" pipe.

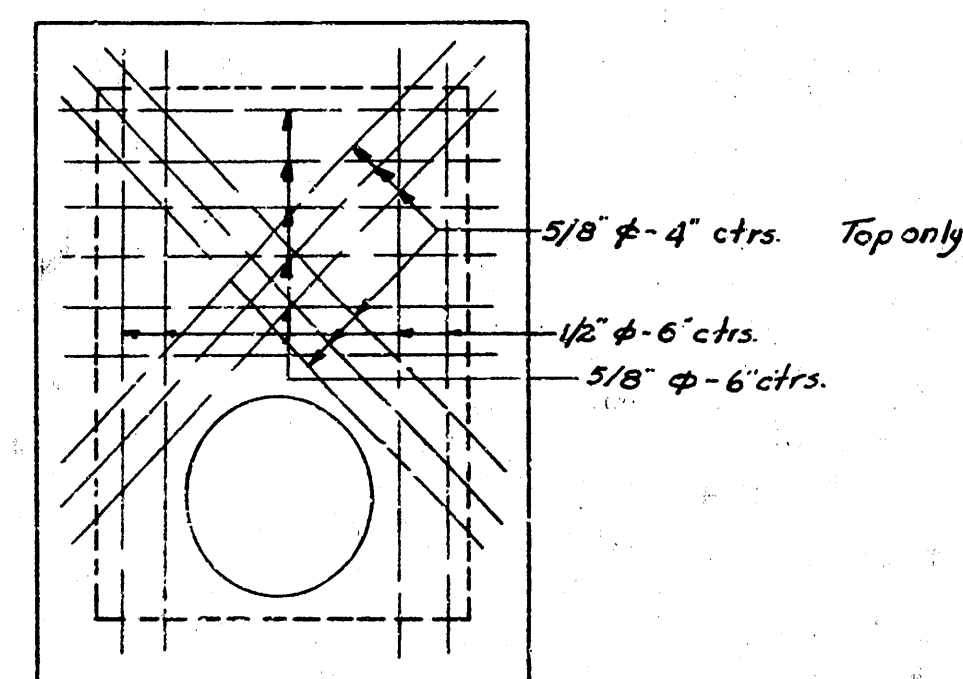
NOTE: Concrete for manholes shall contain not less than 100 barrels of cement per cubic yard. In no event shall the total water content exceed 6.25 gallons per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density and most workable mixture. In general, pipes will enter and leave the manholes at various positions; where possible bend reinforcing bars around pipe. Where pipes are large use 5/8" φ bars as shown. No reductions in concrete quantities shall be made for pipe openings. Floor of manholes are to be sloped for flow and drainage. No additions in concrete quantities shall be made for sloping floor of manholes. An internal vibrator is to be used in placing concrete.

DETAILS MANHOLE 4x26



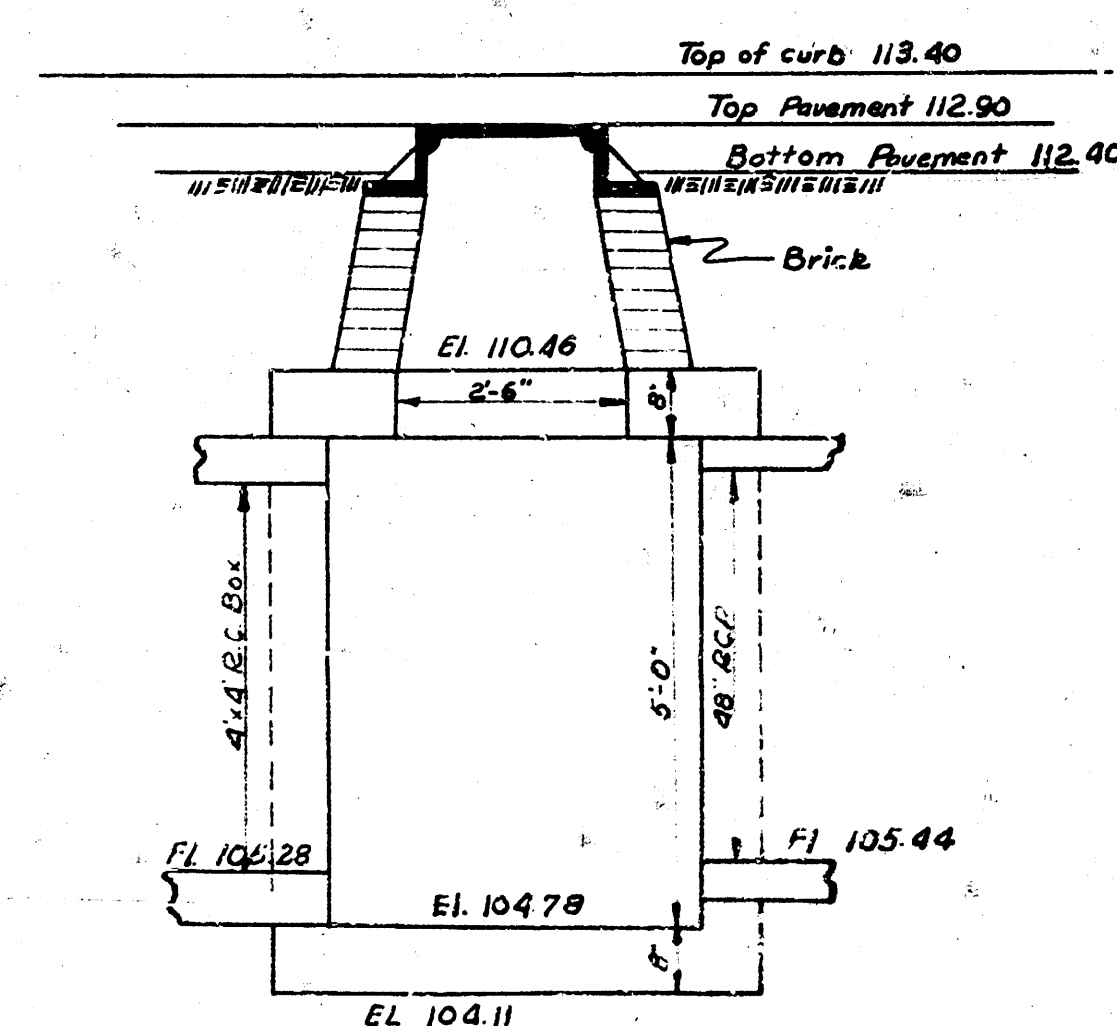
PLAN

Showing reinforcing steel placement in walls.



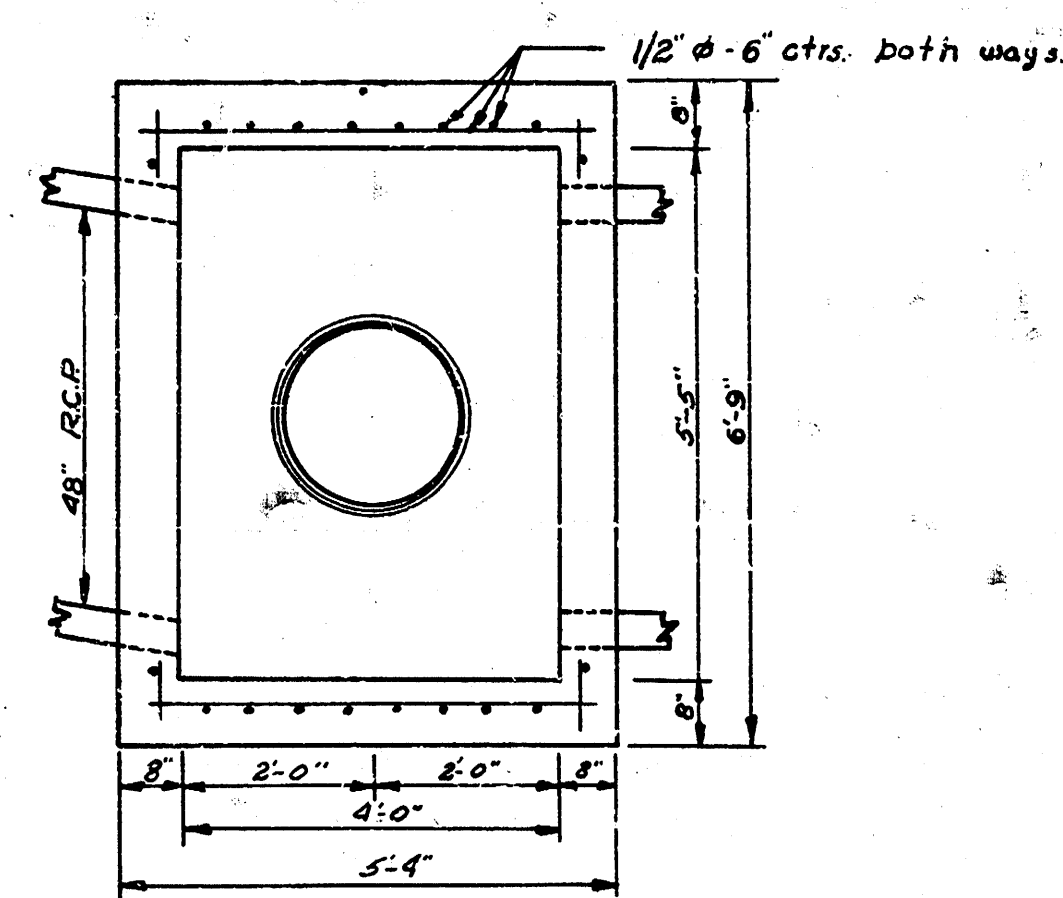
SECTION

Showing reinforcing steel in Top and Bottom.



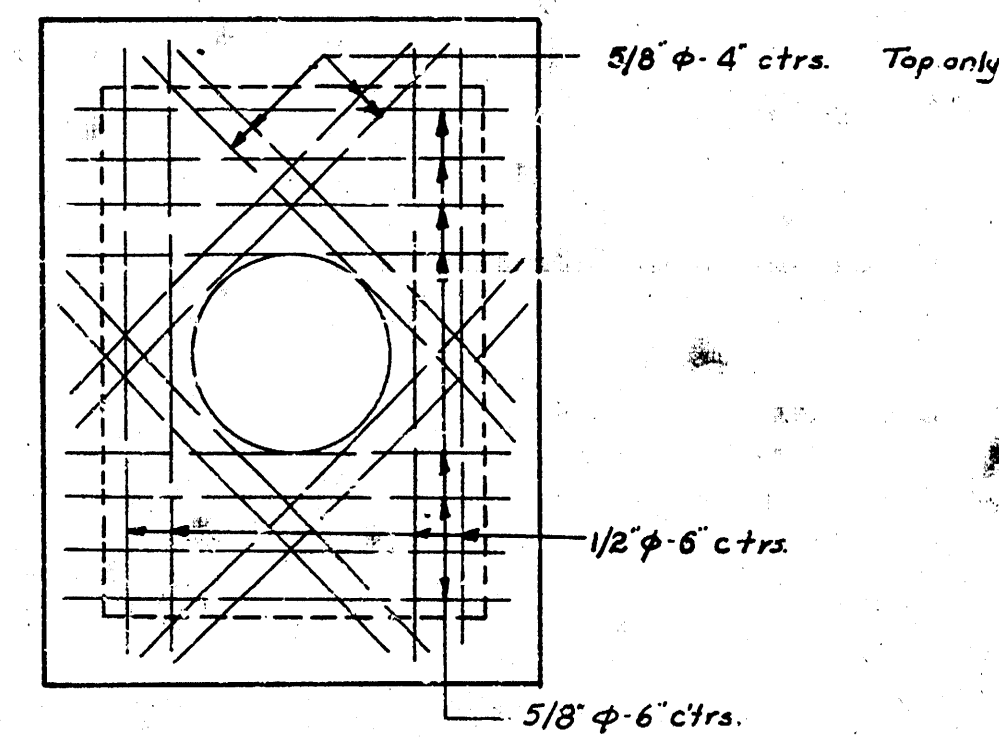
PROFILE

DETAILS MANHOLE 5x50



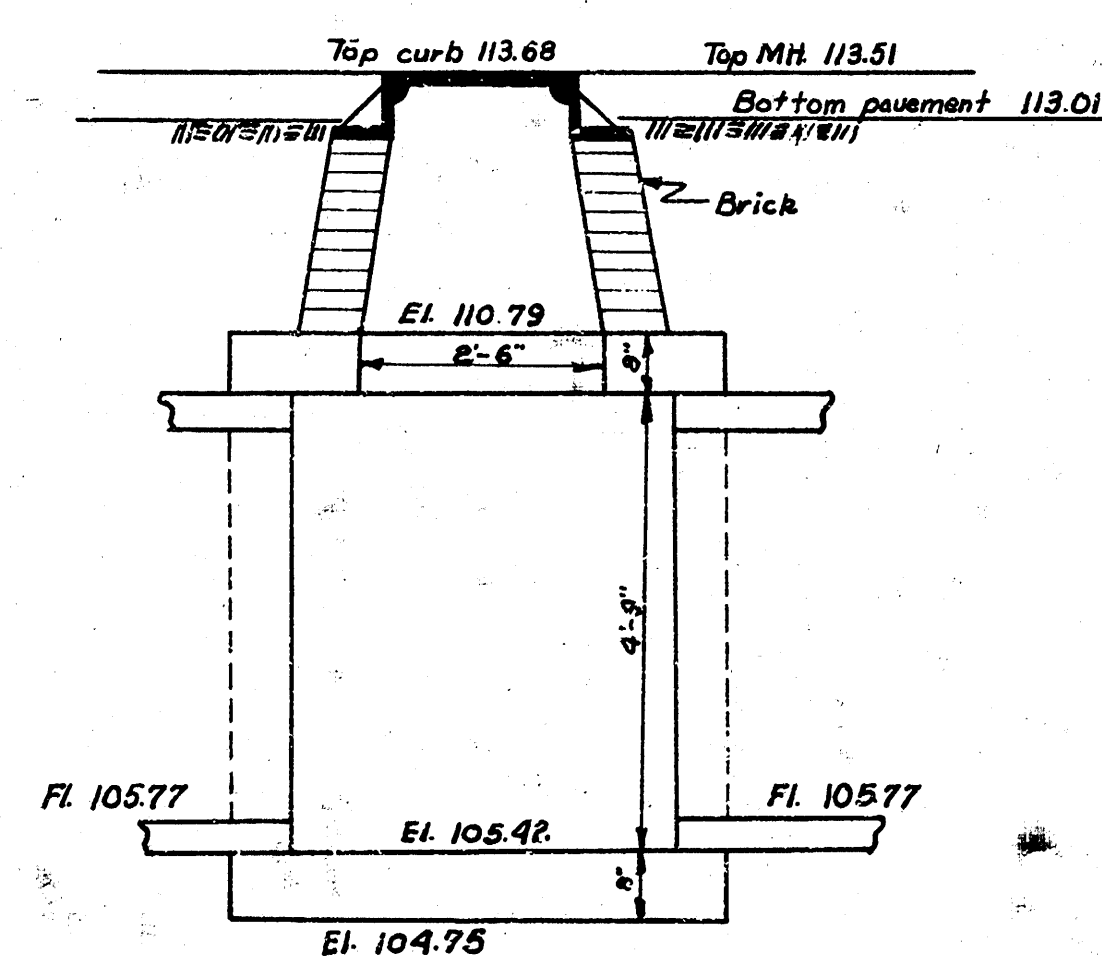
PLAN

Showing reinforcing steel placement in walls.



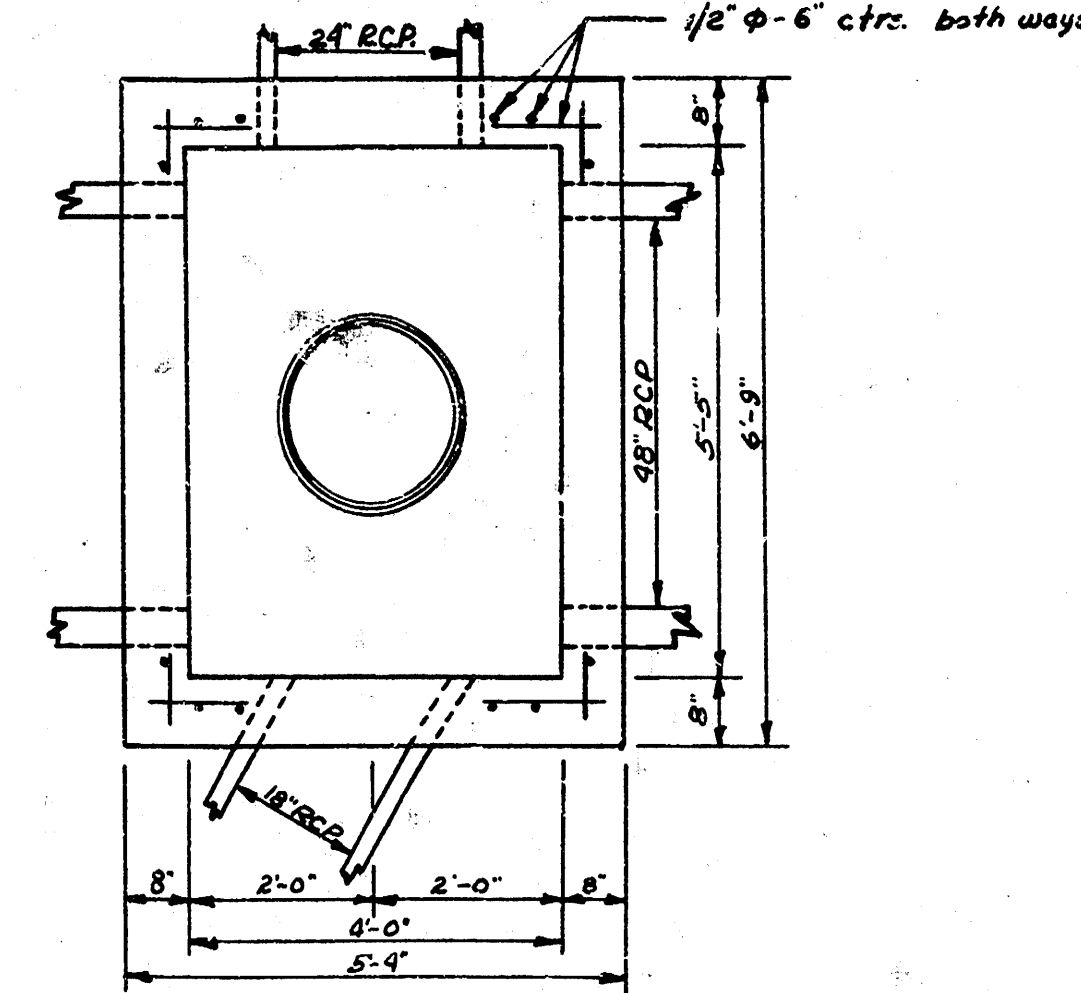
SECTION

Showing reinforcing steel in Top and Bottom.



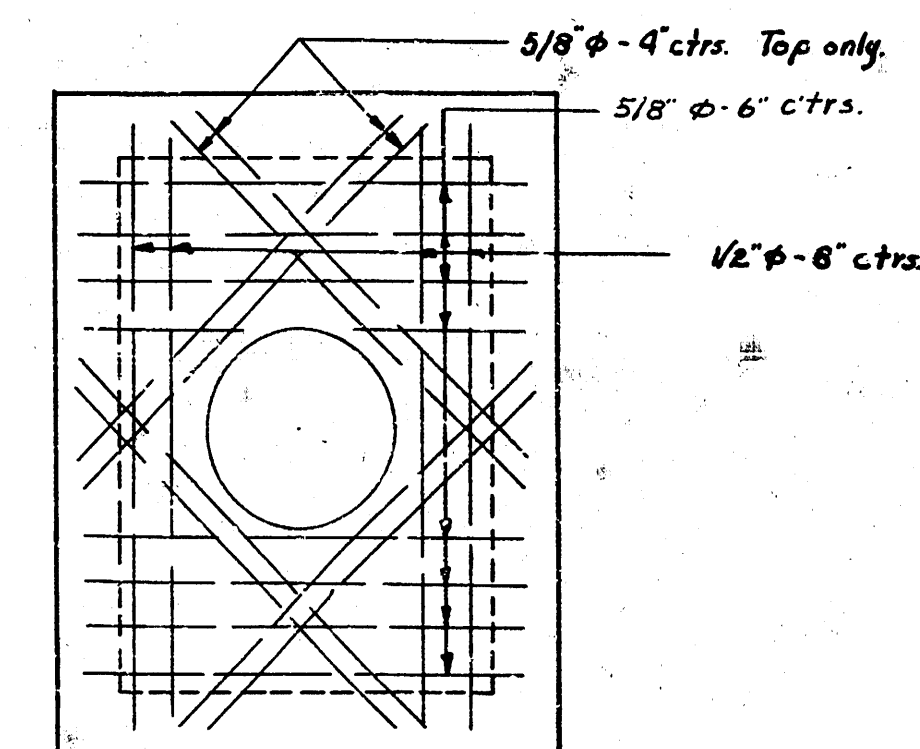
PROFILE

DETAILS MANHOLE 7x10 & 10x10 & 13x80



PLAN

Showing reinforcing steel placement in walls.

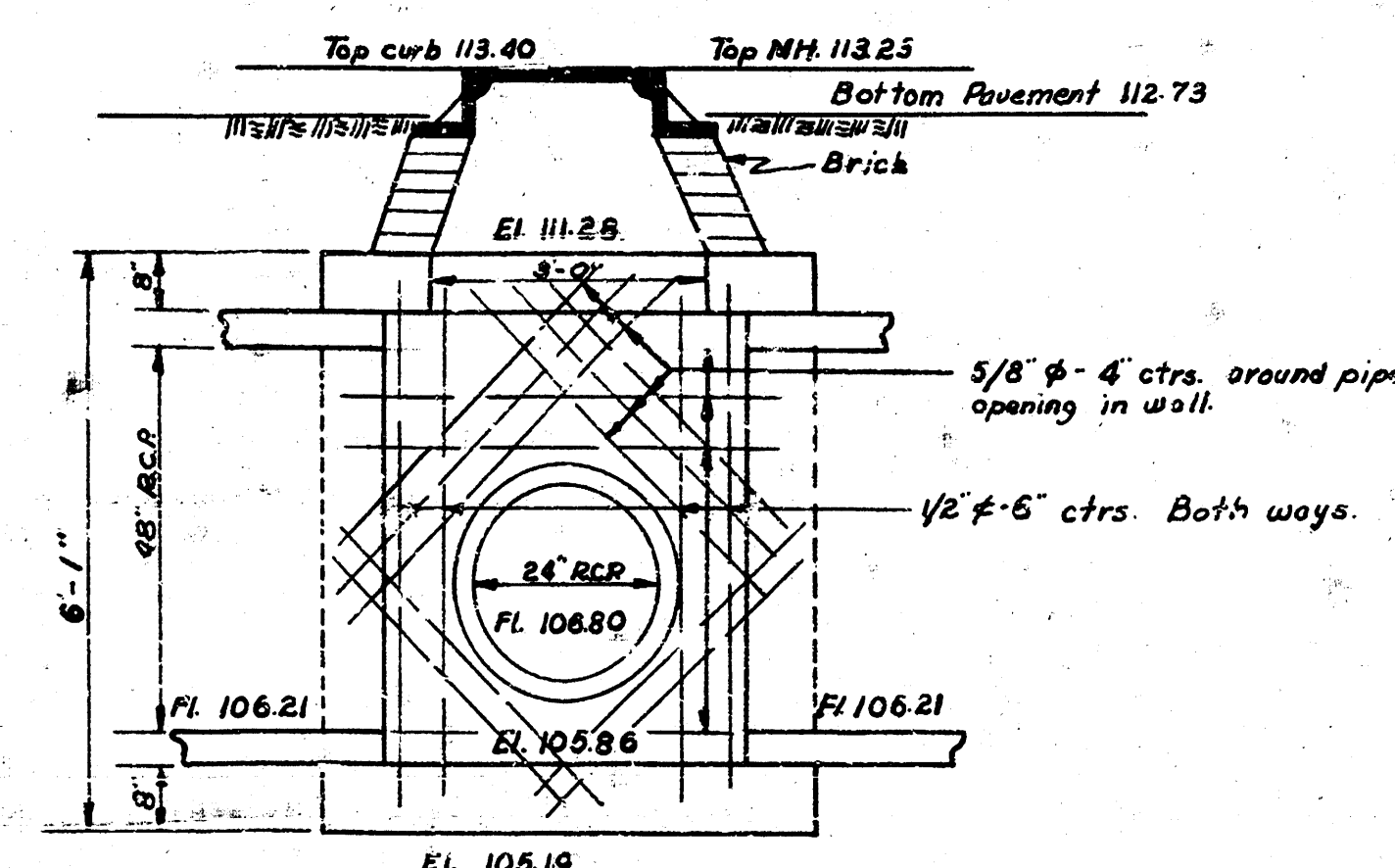


SECTION

Showing reinforcing steel in top & bottom.

NOTE: Construction grades given on Typical Profile are for Manhole 7x10 only.
Construction grades for Manhole

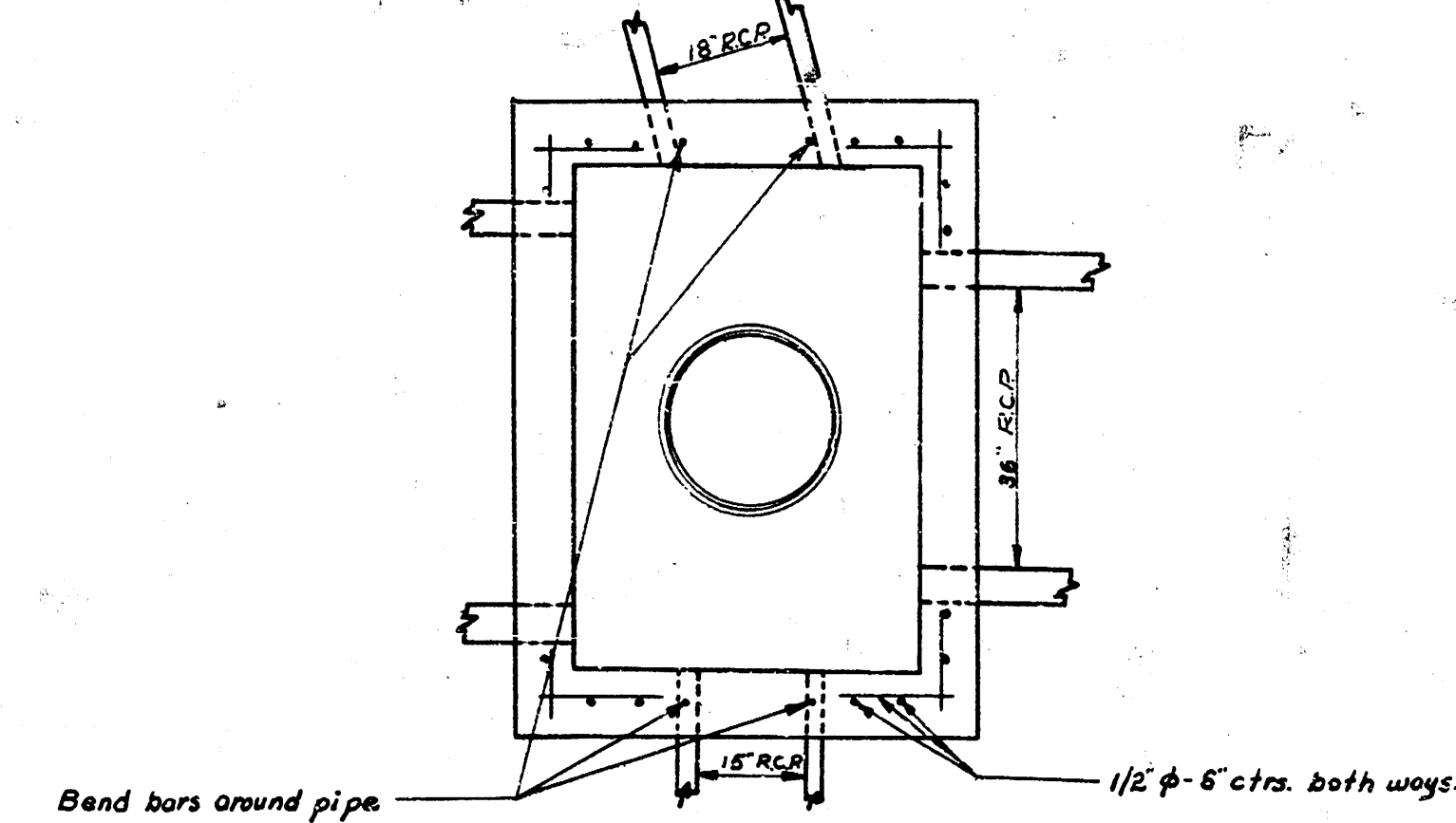
	10x10	13x80
Top of curb	113.84	114.40
Top of Manhole	113.67	114.43
Bottom of pavement	113.17	113.95
Top of concrete box	112.00	113.00
Flow line of concrete box	106.67	107.16
Bottom of concrete box	106.00	107.00



PROFILE

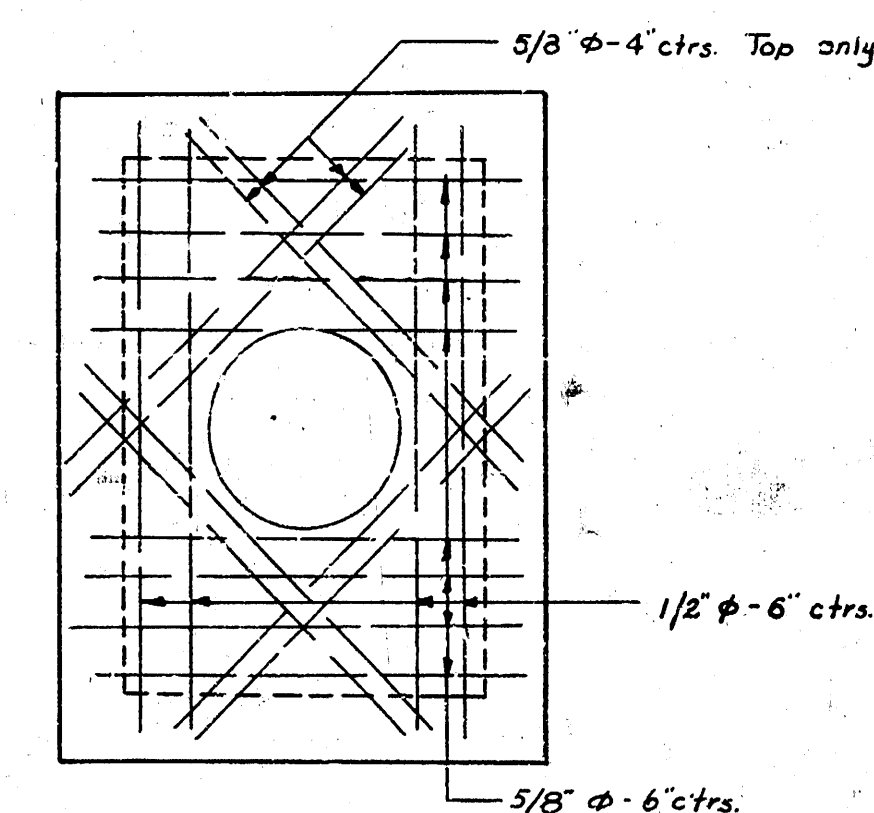
Showing steel in walls.

DETAILS MANHOLE 16x80

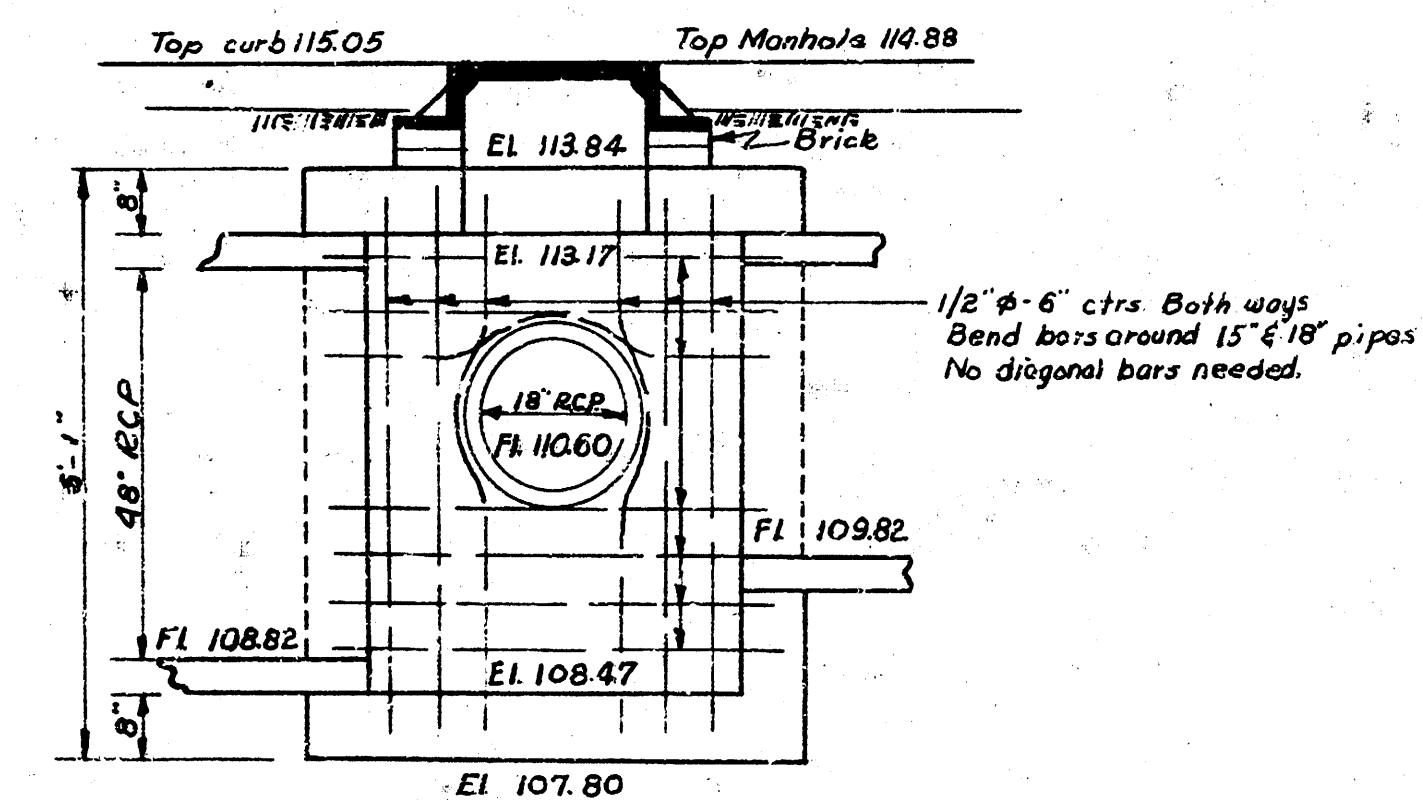


PLAN

Showing steel placement in walls.



SECTION



PROFILE

Showing steel in walls.

Sheet 13/14