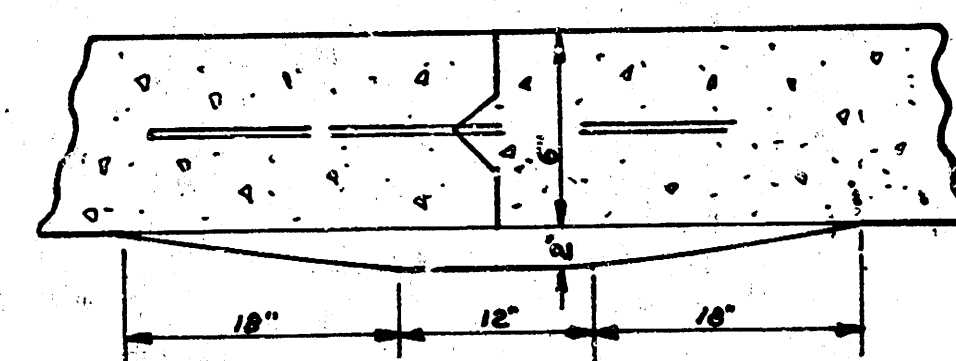
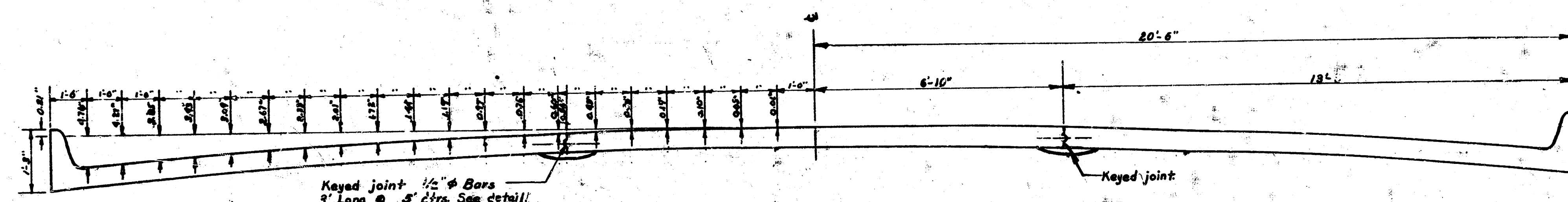




DETAIL OF KEYED JOINT  
No Scale.

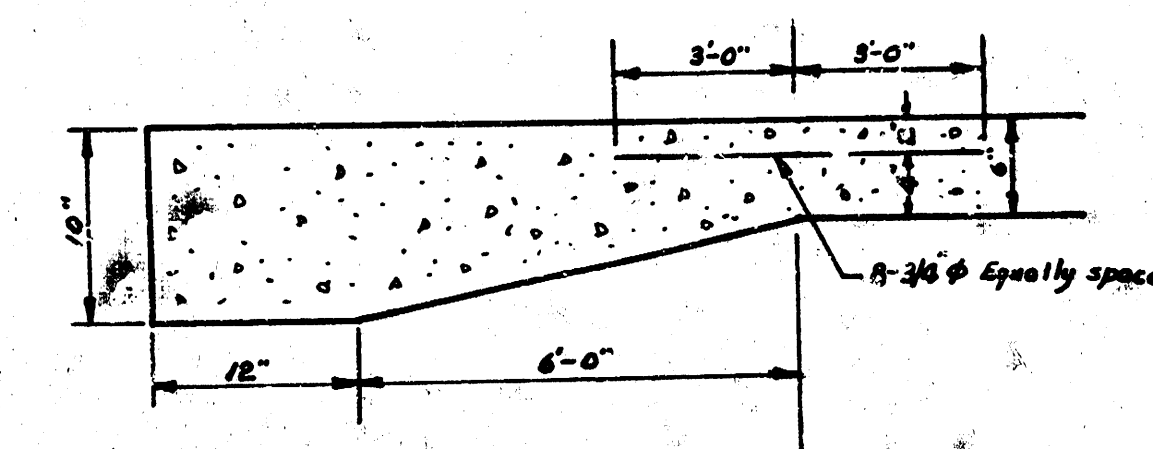


TYPICAL SECTION  
No Scale

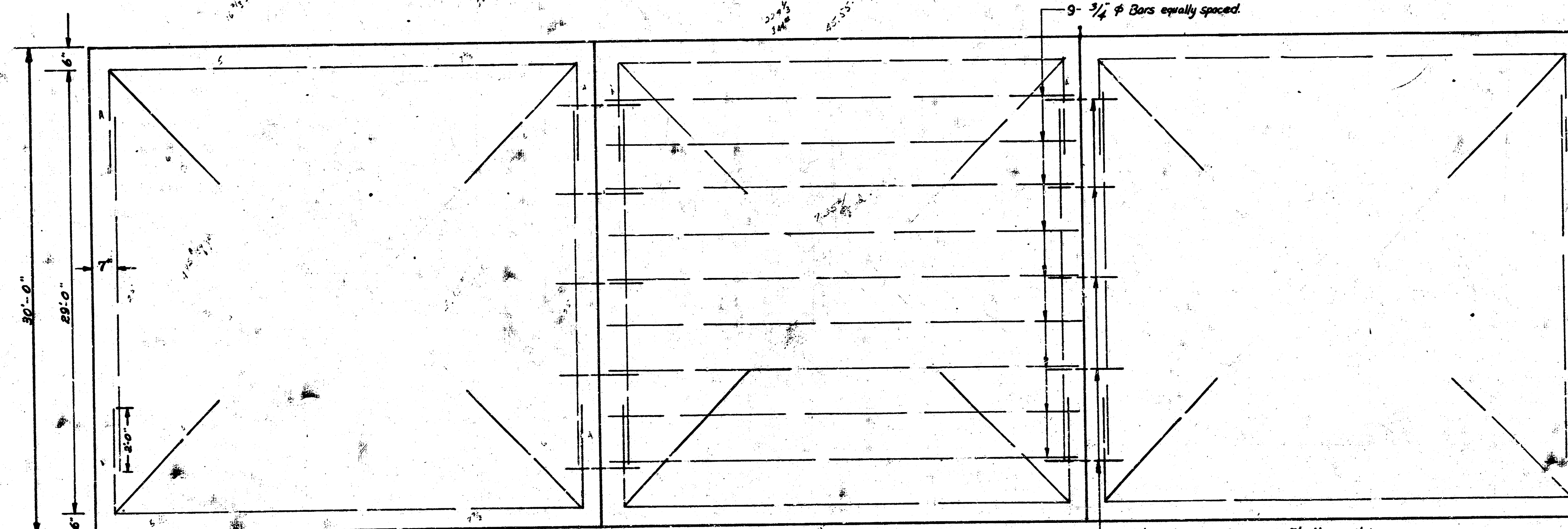
To be filled with hot asphalt



DETAIL OF CONTRACTION JOINTS  
No Scale



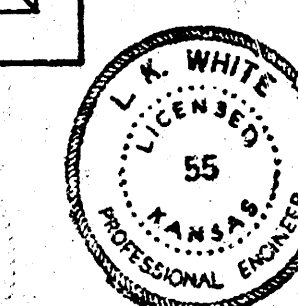
DETAILS OF SLAB THICKENING for BRIDGE APPROACH  
No Scale



STEEL PATTERN  
No Scale

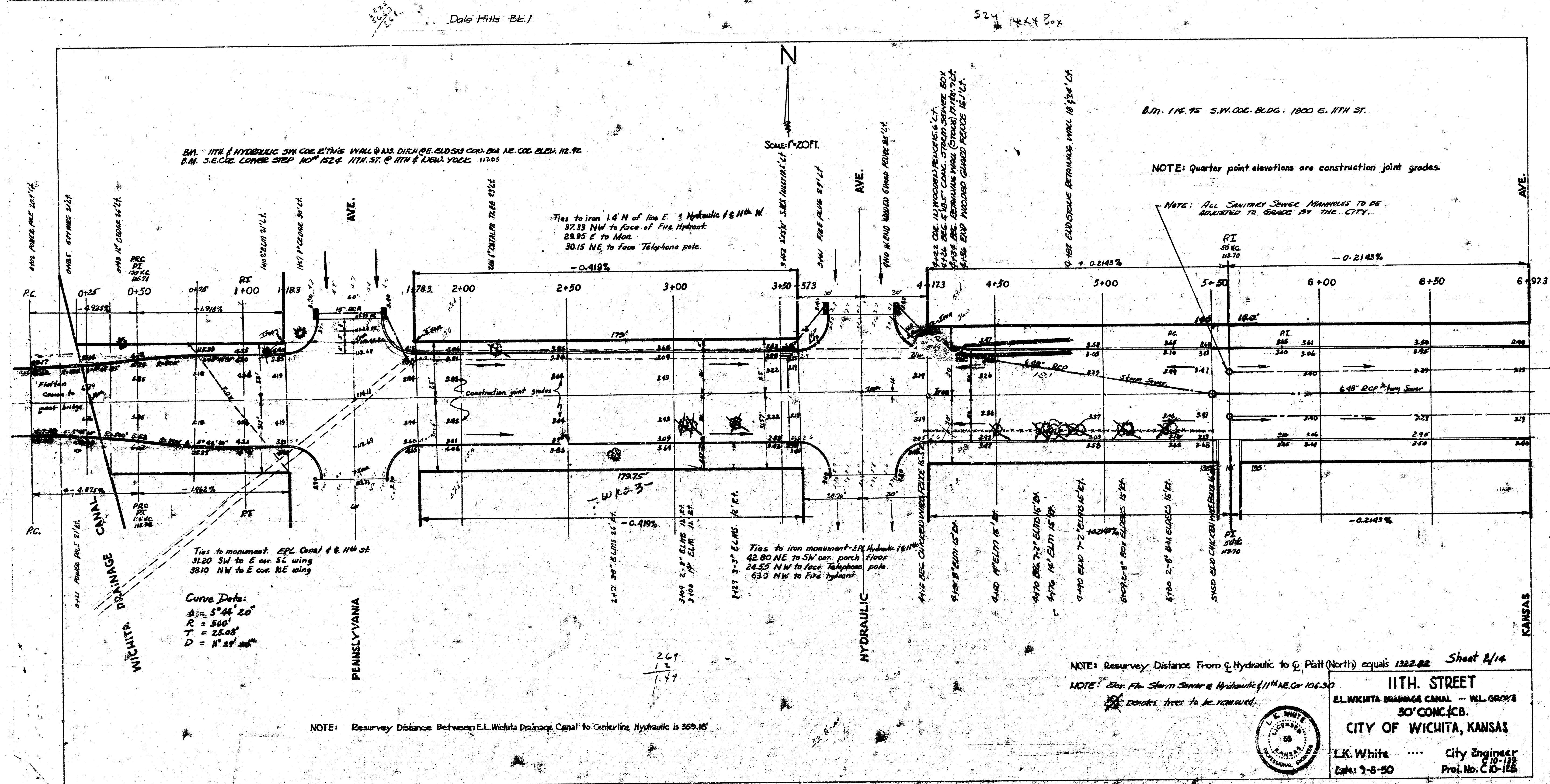
NOTE: All reinforcing bars are 3/4"  $\phi$ .  
Dowel Bars are 1/2"  $\phi$ .

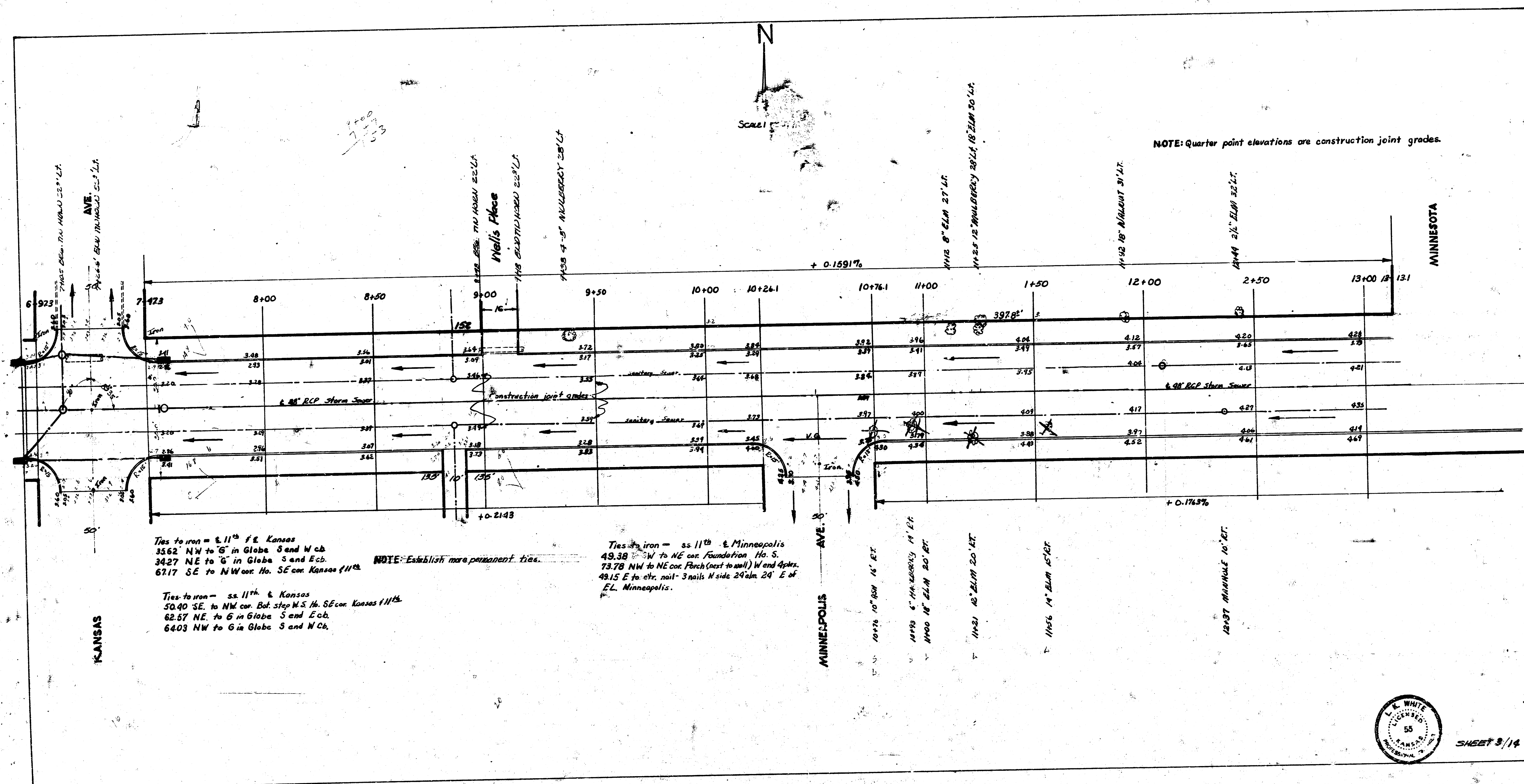
1/2"  $\phi$  Dowel Bars - 5' c/crs. 3' long.

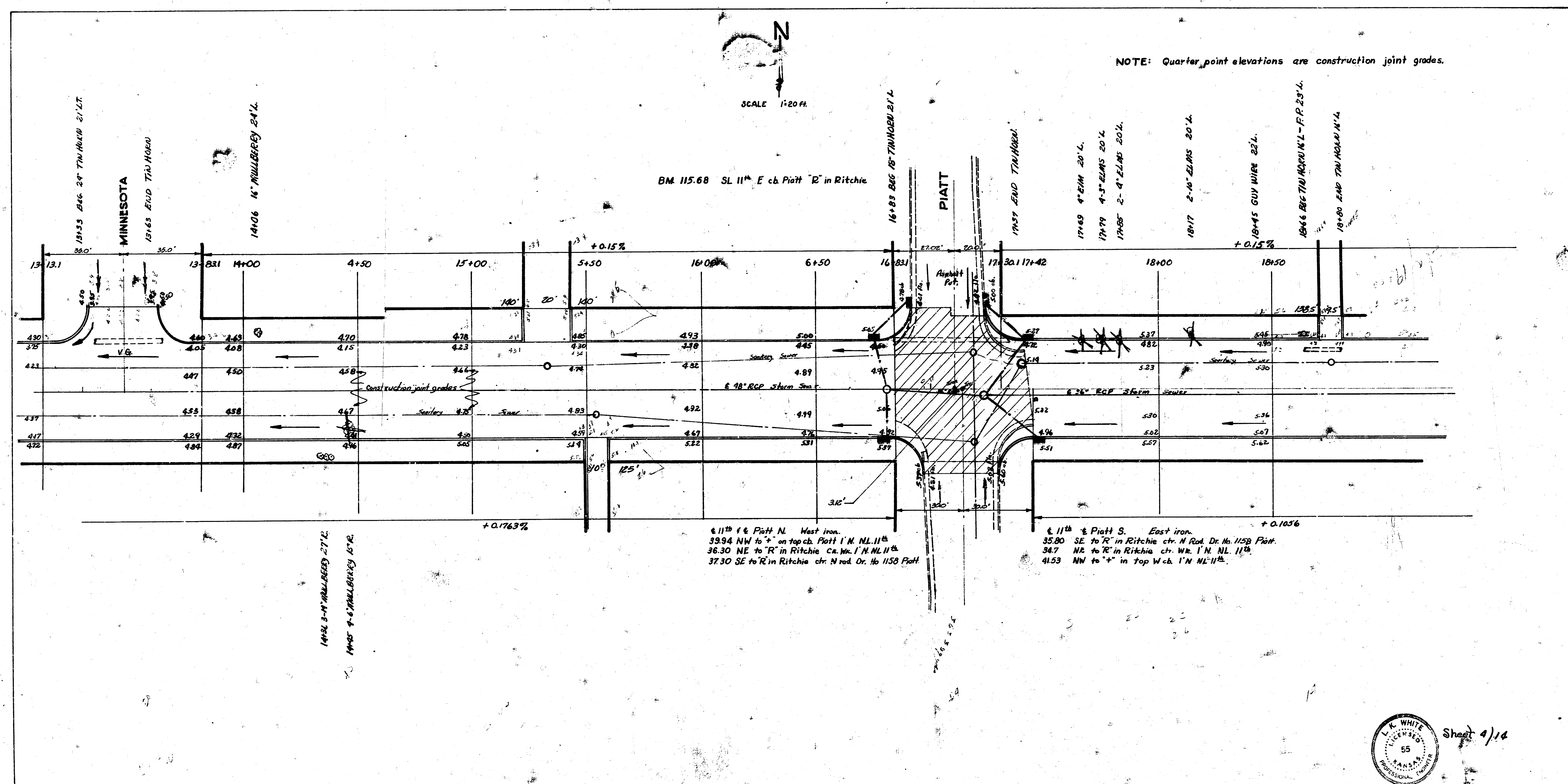


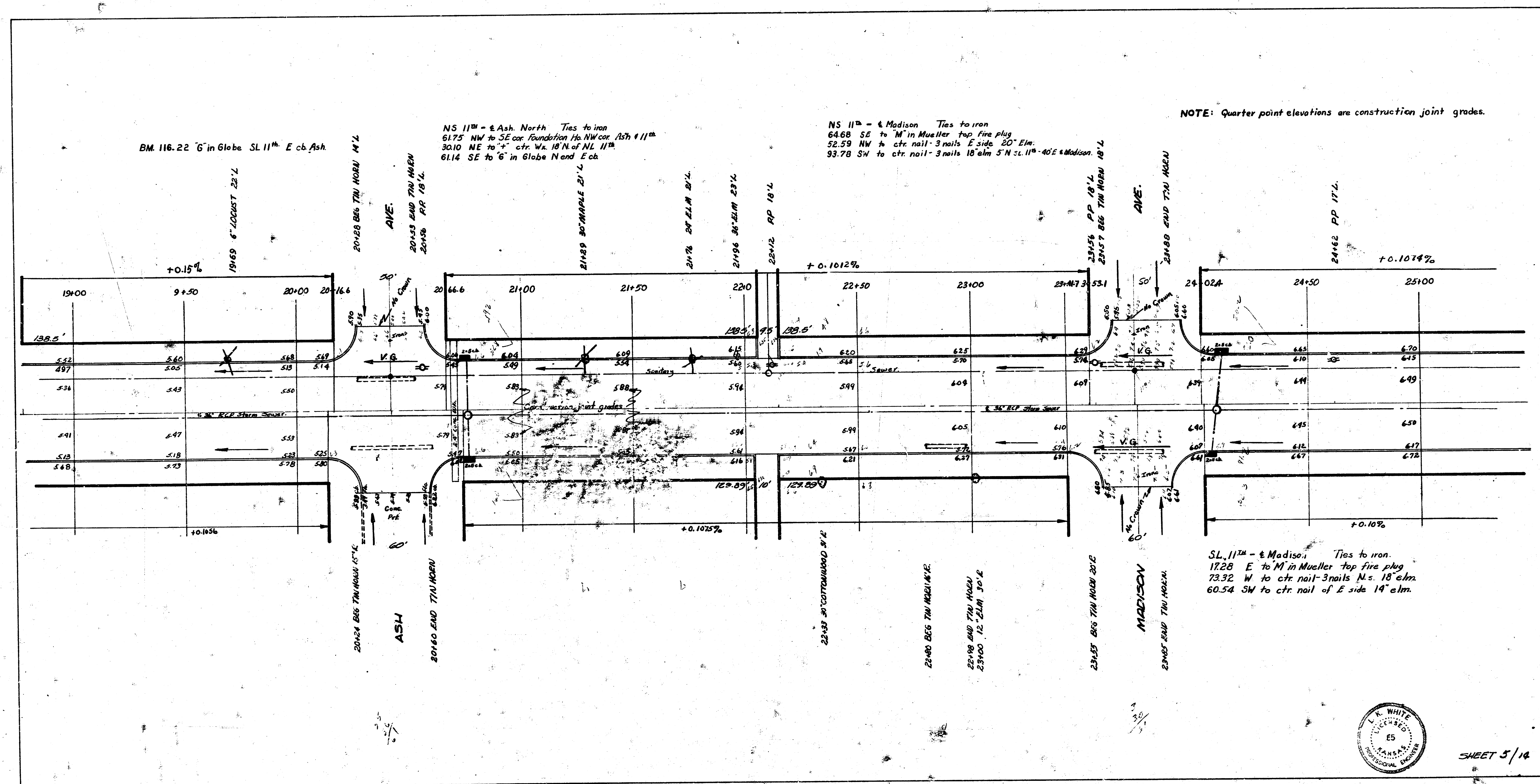
Sheet 1/14

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

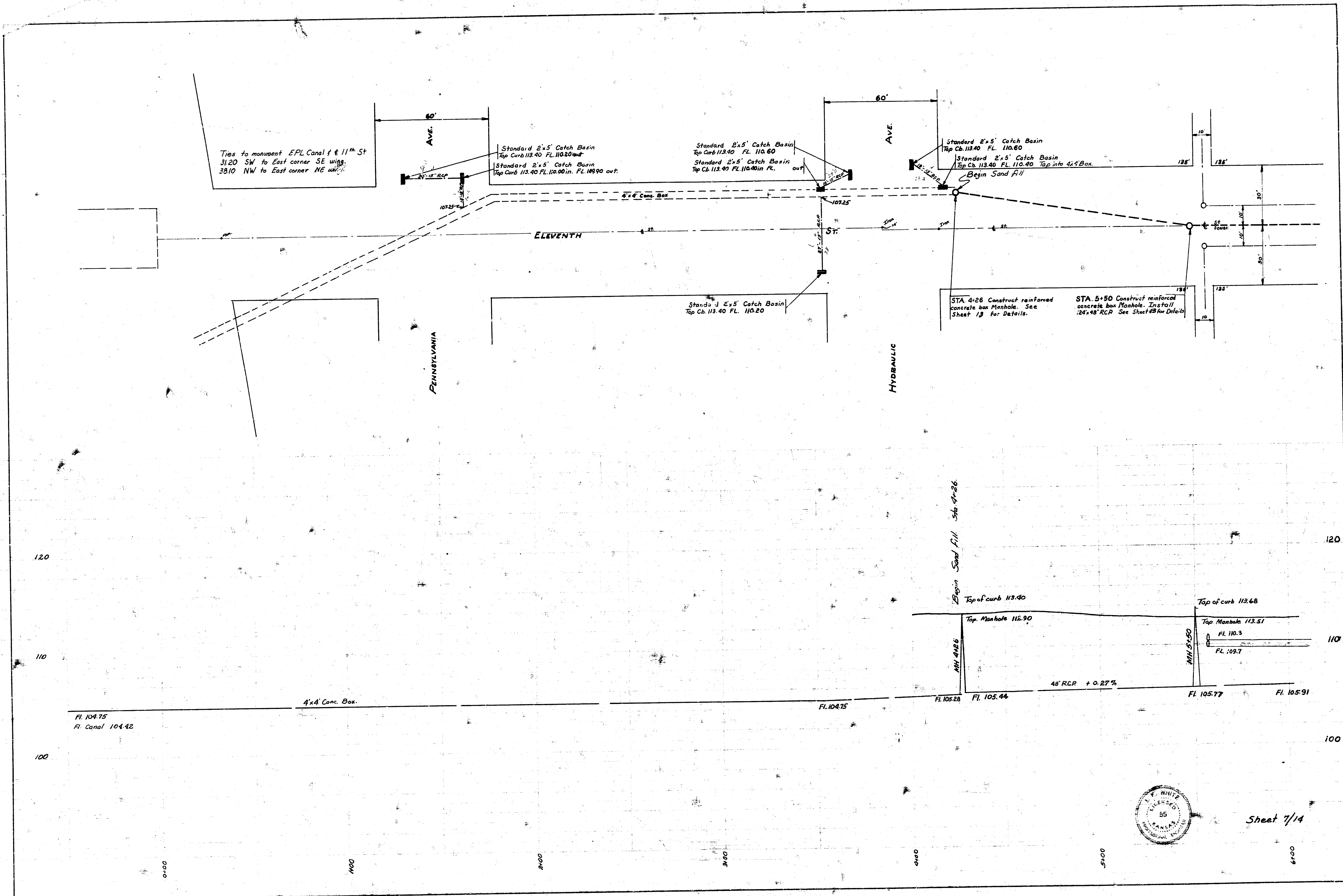


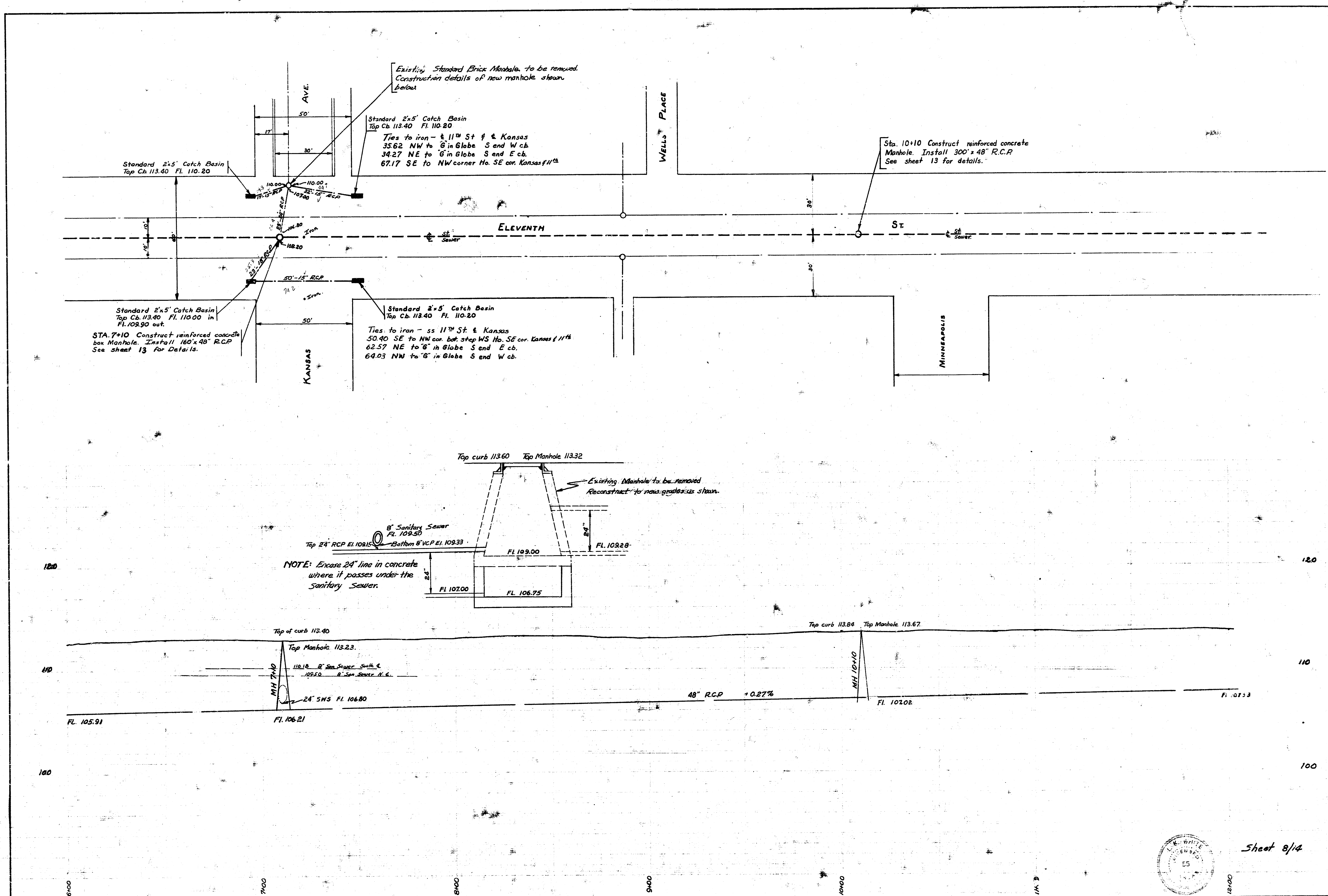


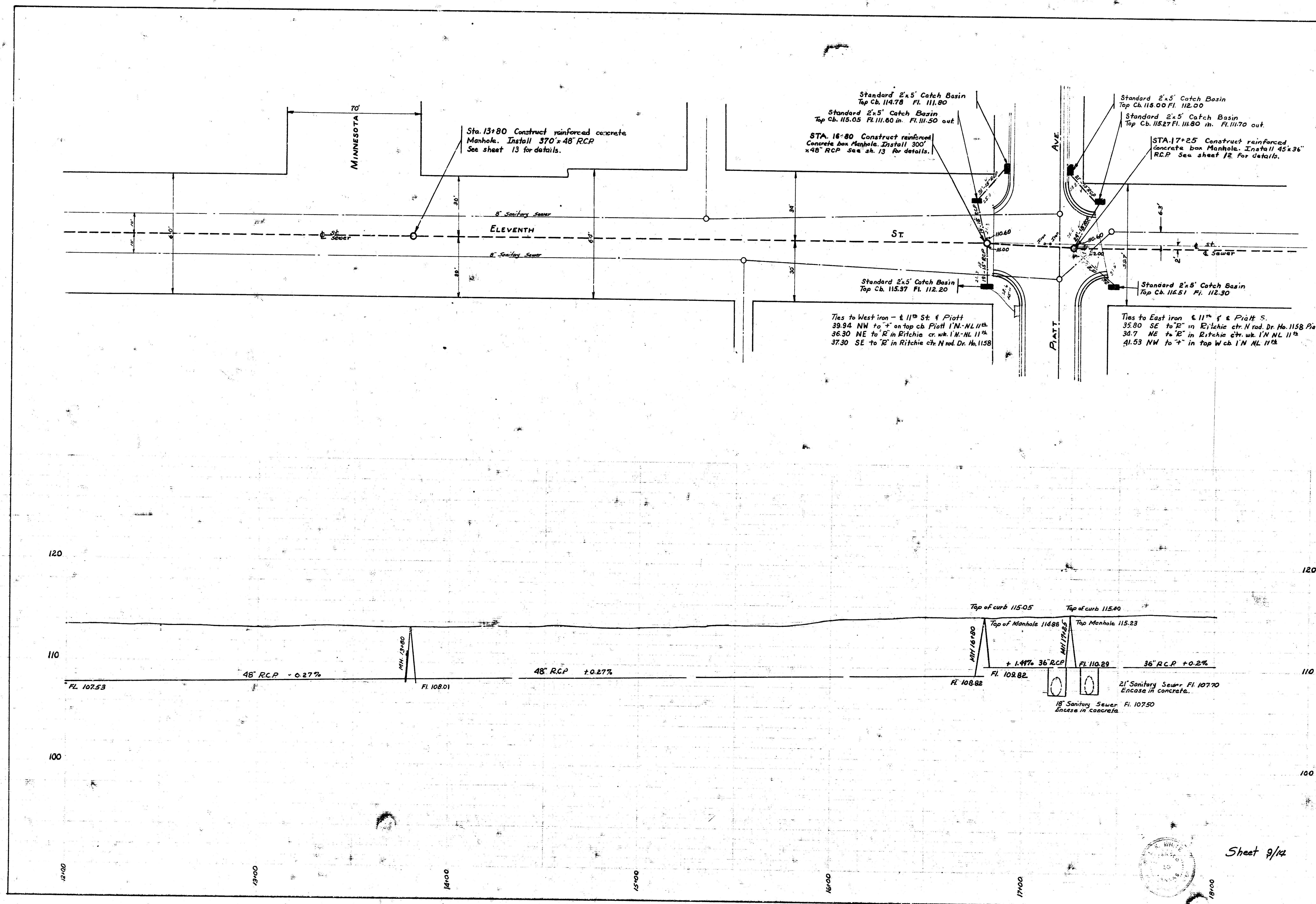


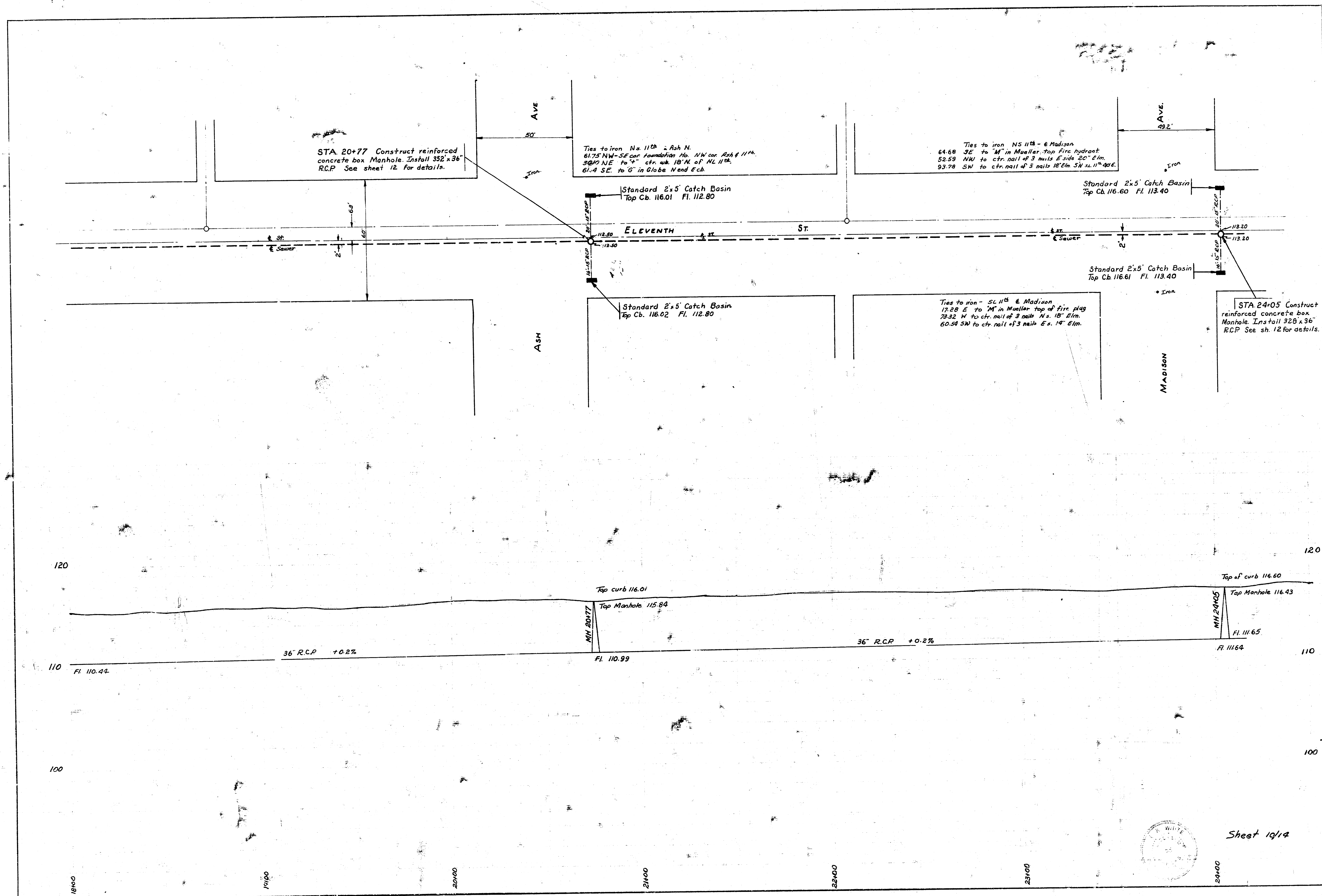




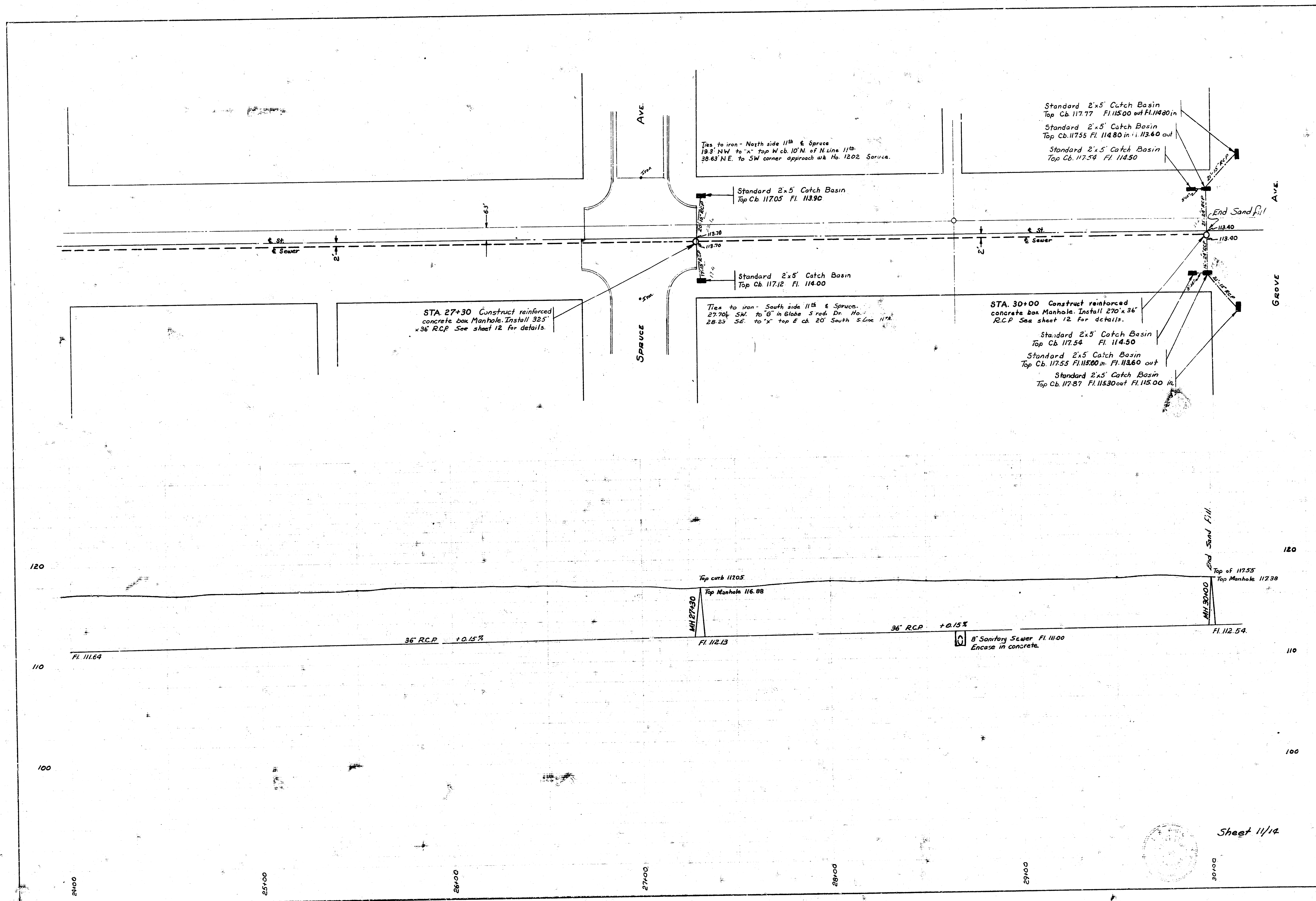




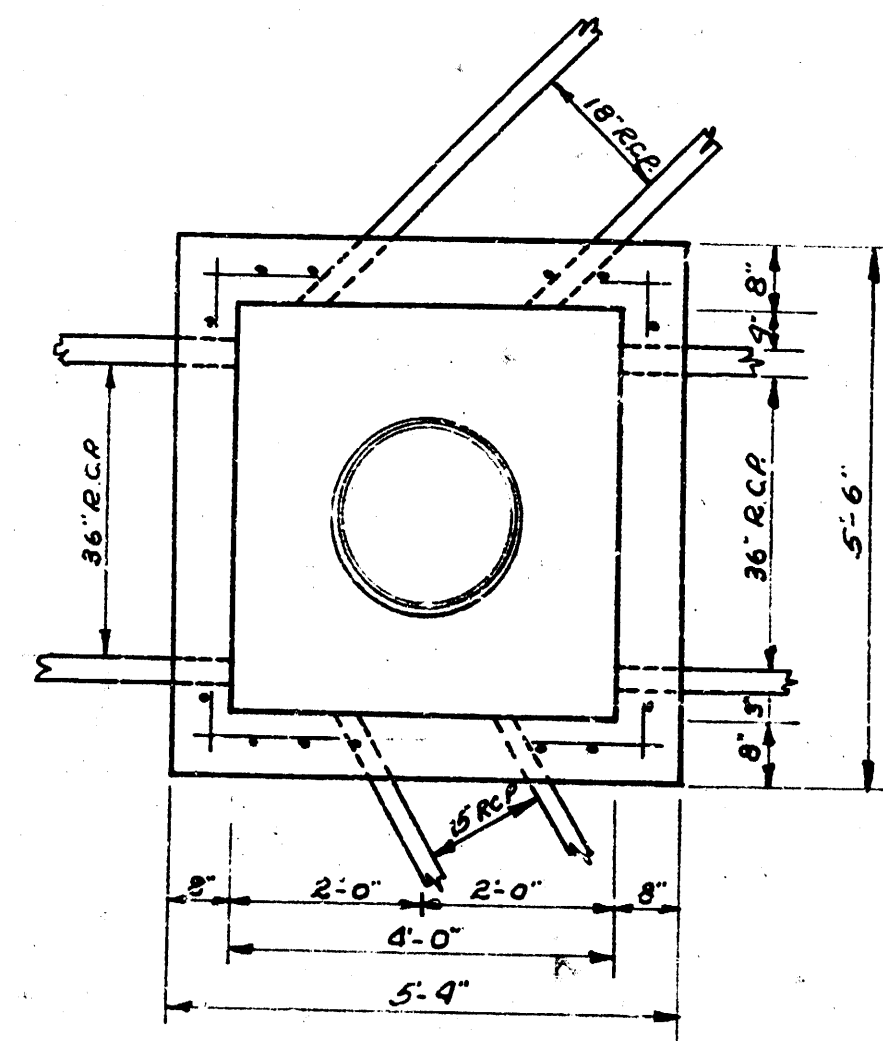




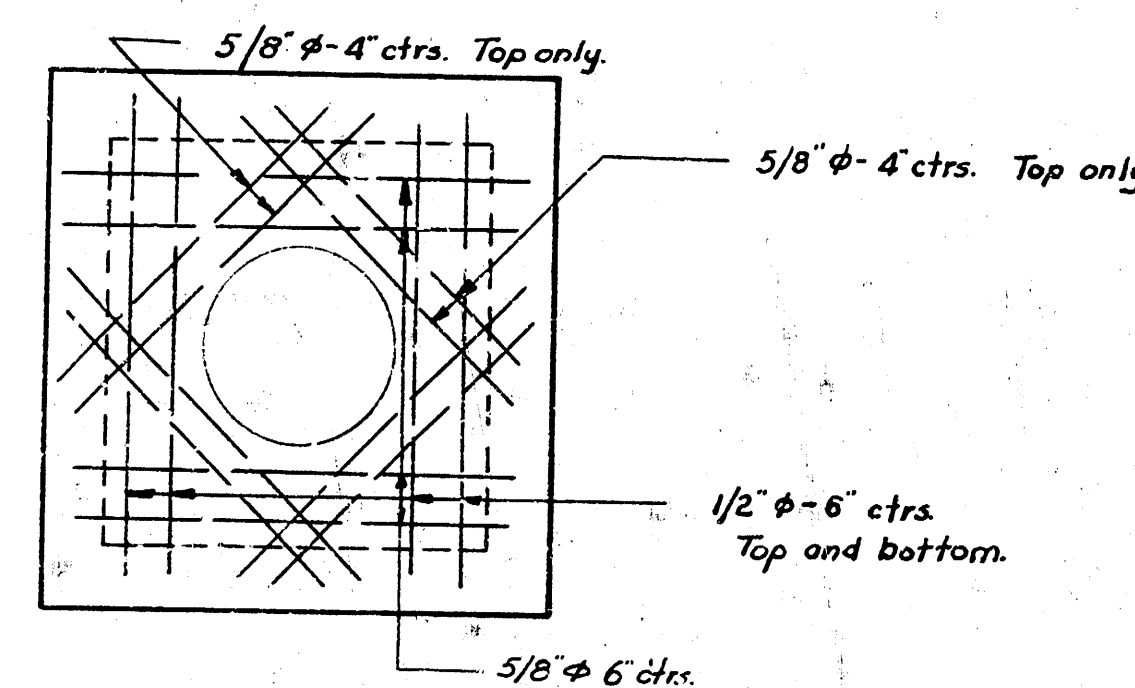
Sheet 19/14



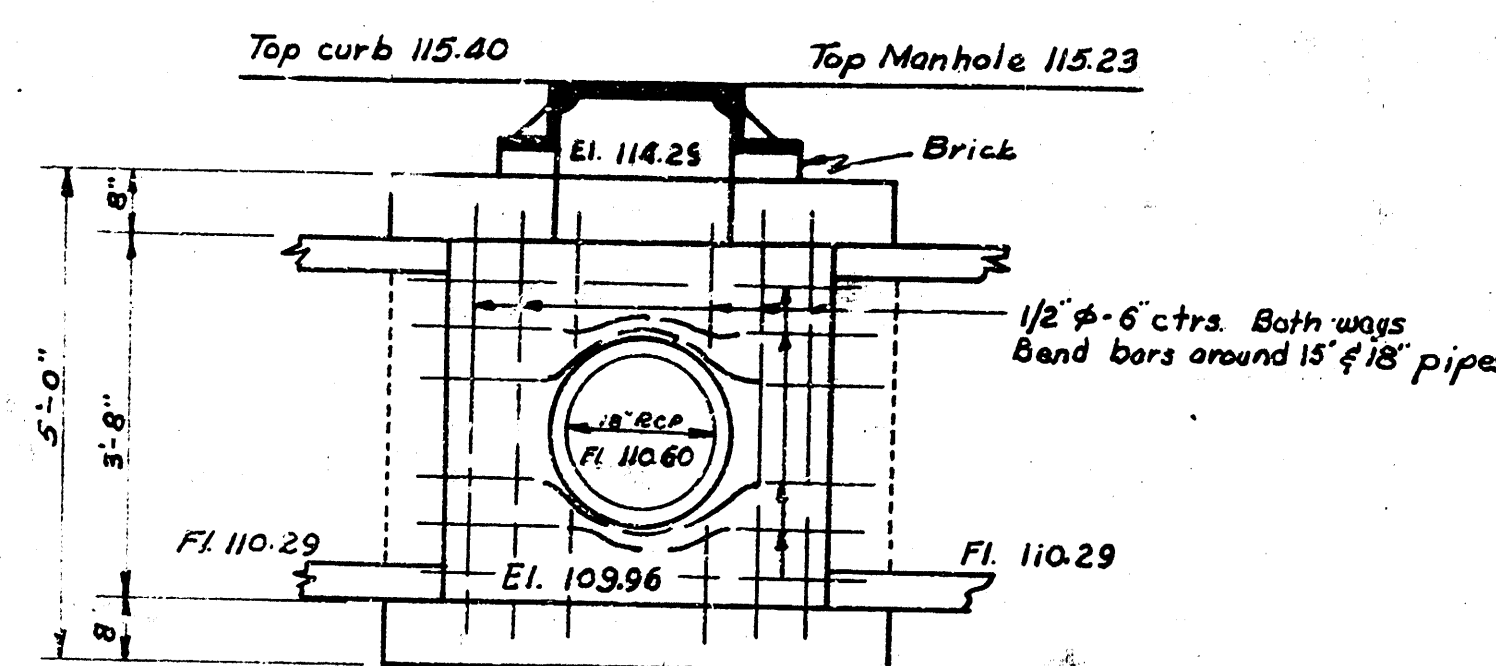
DETAILS MANHOLE 17+25



PLAN  
Showing steel placement in walls.

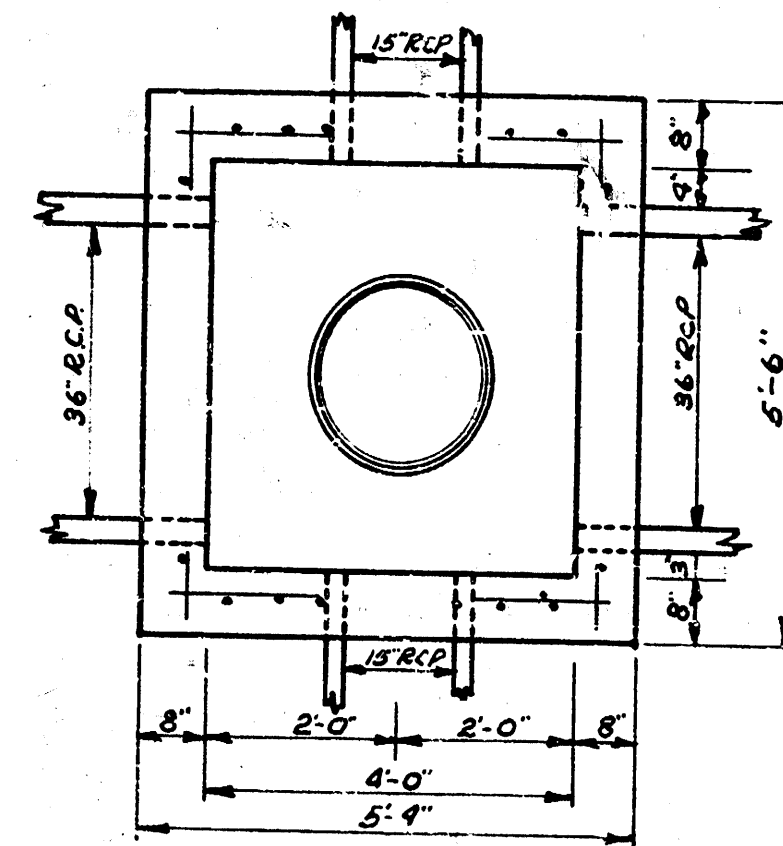


SECTION  
Showing reinforcing steel in Top & Bottom.

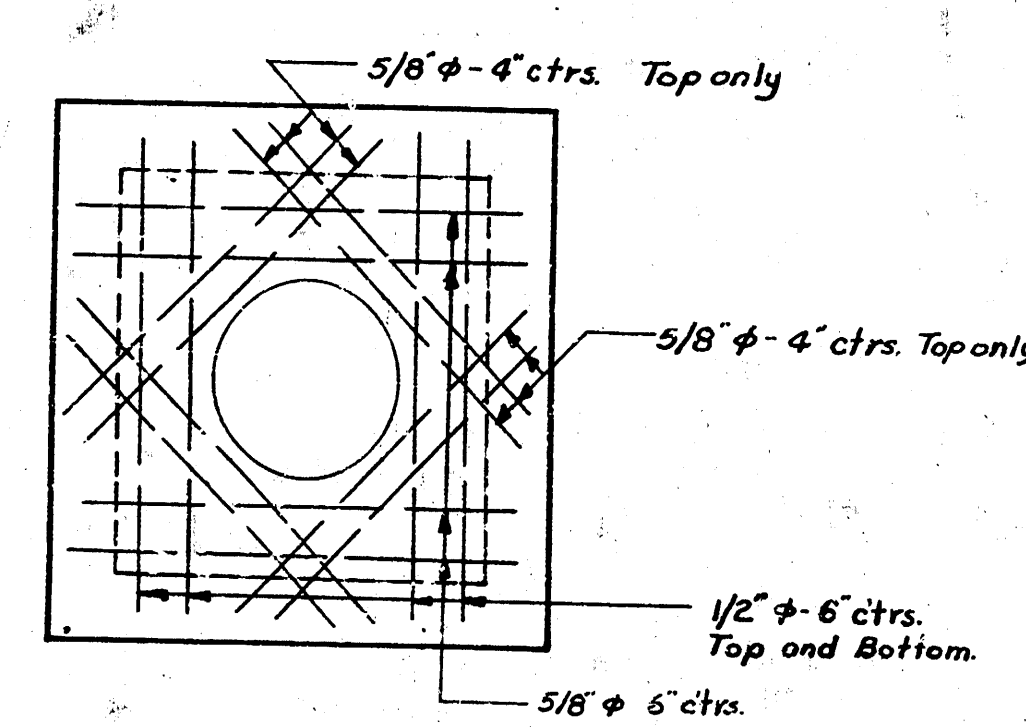


PROFILE  
Showing reinforcing steel in walls.

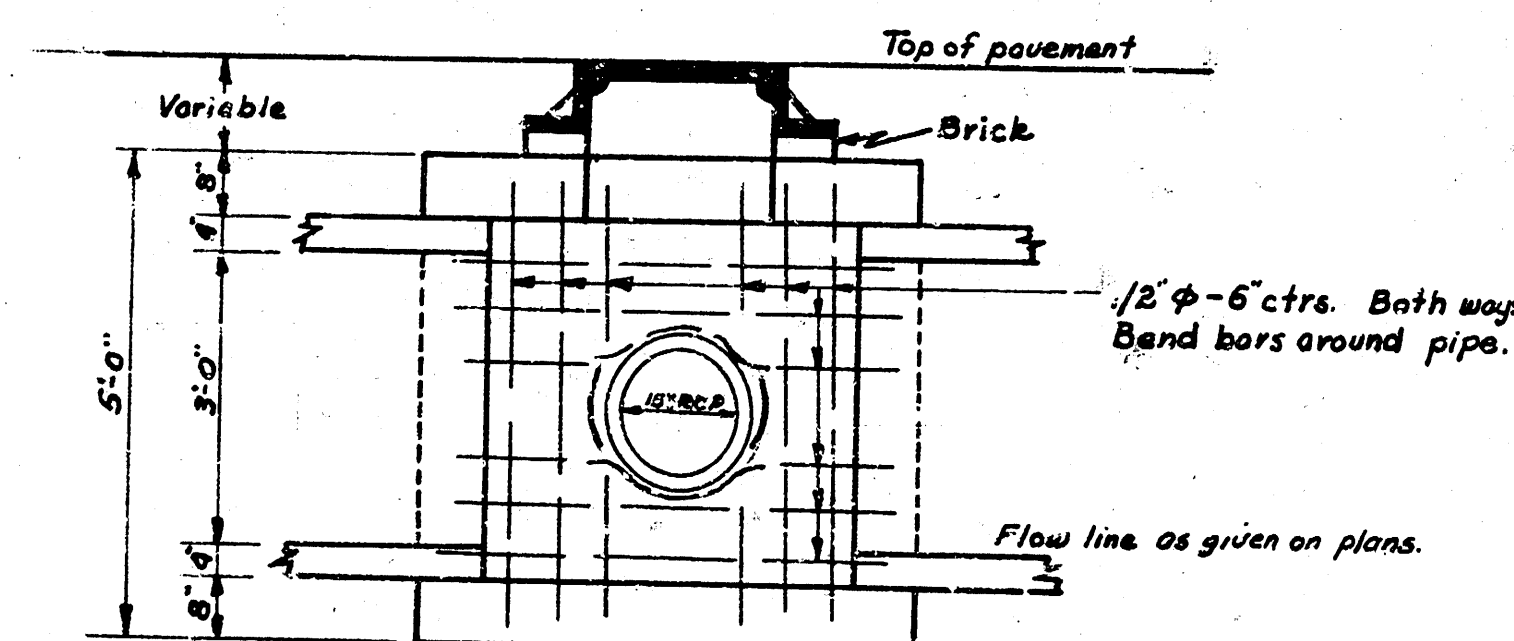
DETAILS MANHOLES 20+77 - 24+05 - 27+30



PLAN  
Showing steel placement in walls.

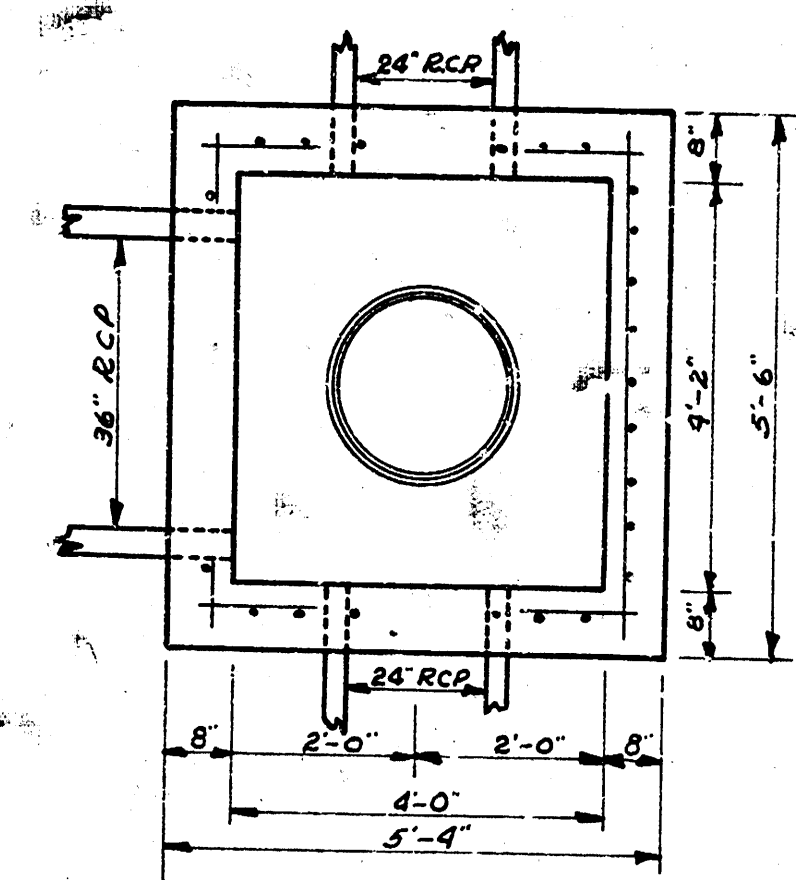


SECTION  
Showing reinforcing steel in Top & Bottom.

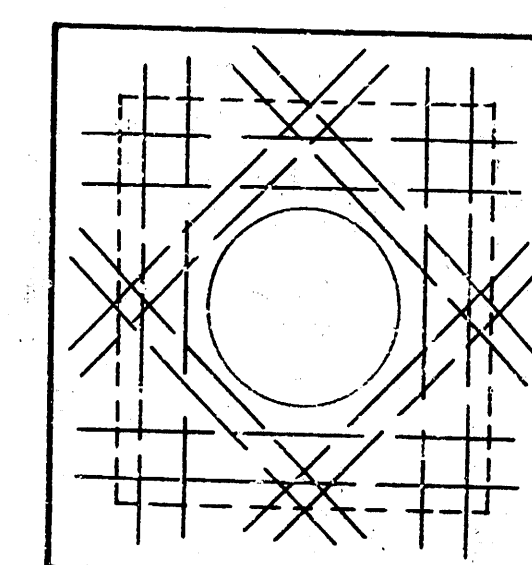


PROFILE  
Showing reinforcing steel in walls.

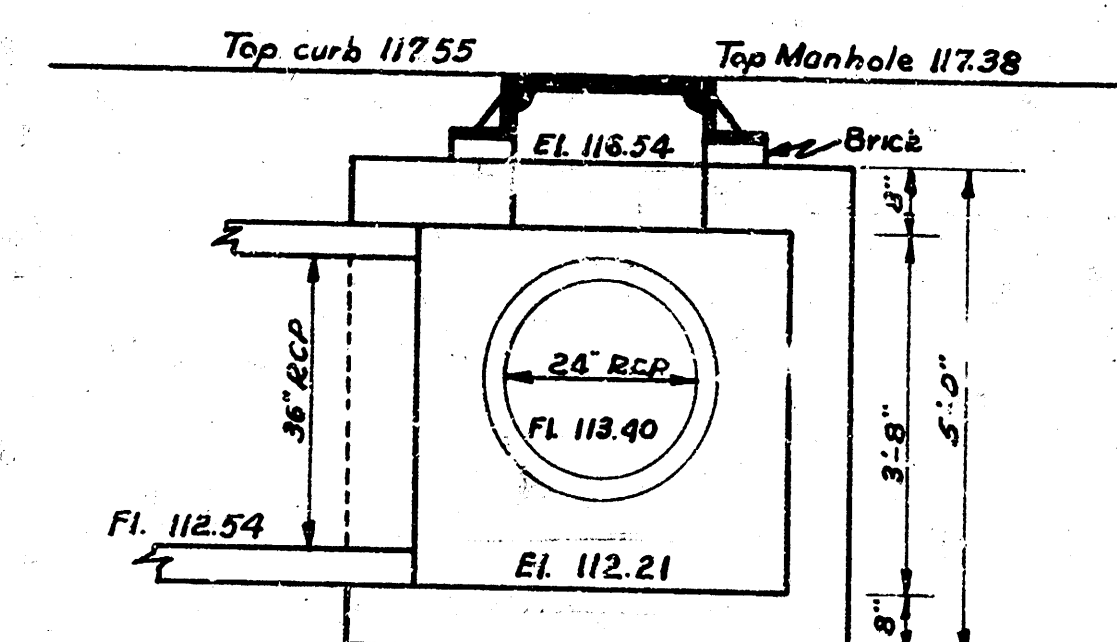
DETAILS MANHOLE 30+00



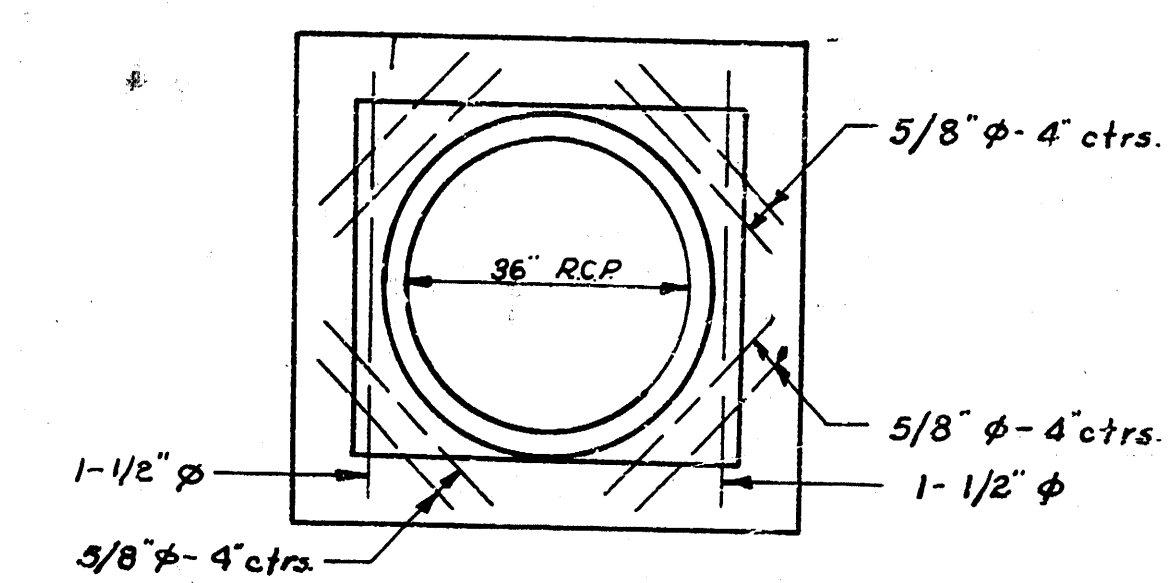
PLAN  
Showing steel placement in walls.



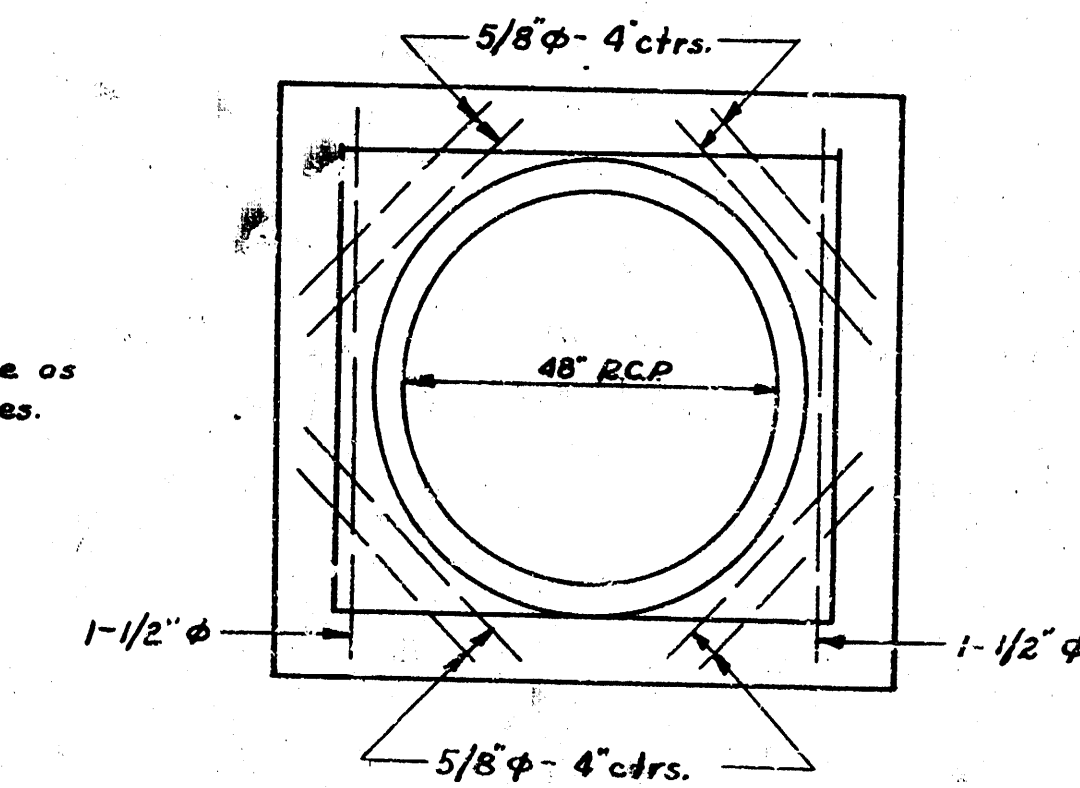
SECTION  
Showing reinforcing steel in Top & Bottom.



PROFILE  
NOTE: Steel pattern as to size and spacing same as Manhole 17+10.



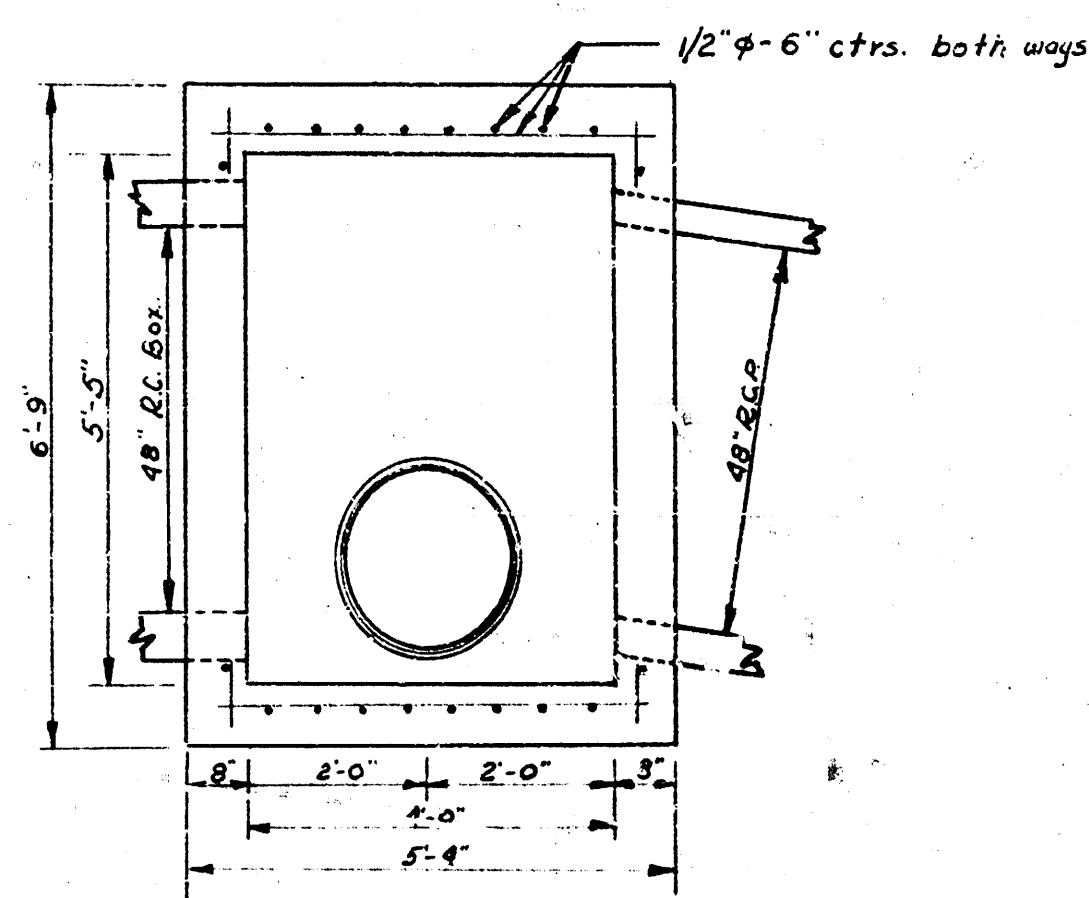
SECTION  
Showing steel pattern around 36" pipe.



SECTION  
Showing steel pattern around 48" pipe.

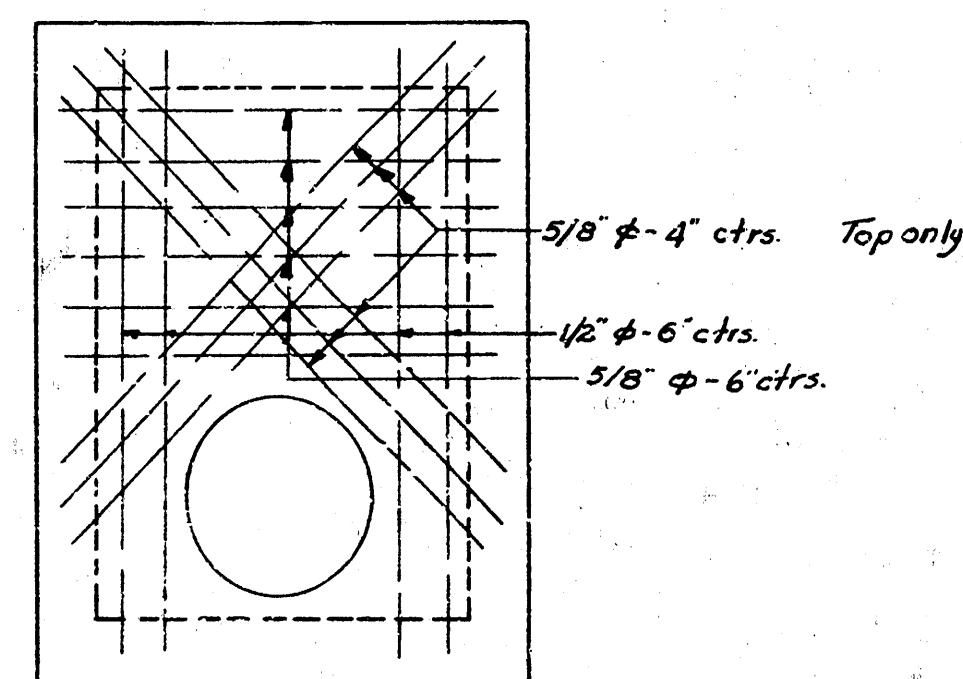
NOTE: Concrete for manholes shall contain not less than 100 barrels of cement per cubic yard. In no event shall the total water content exceed 6.25 gallons per sack of cement. The mixture of fine and coarse aggregate shall be such as will produce a maximum density and most workable mixture. In general, pipes will enter and leave the manholes at various positions; where possible bend reinforcing bars around pipe. Where pipes are large use 5/8" 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



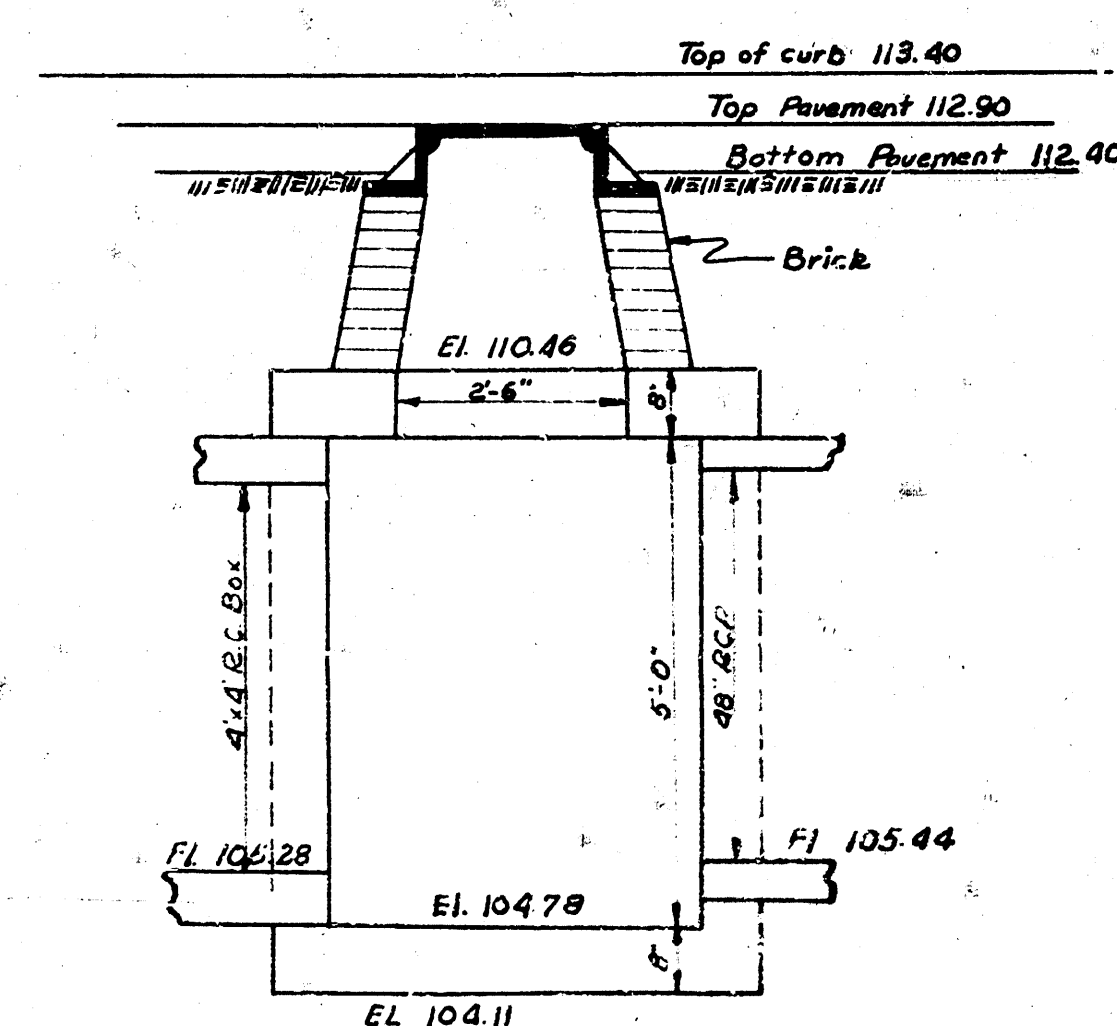
PLAN

Showing reinforcing steel placement in walls.



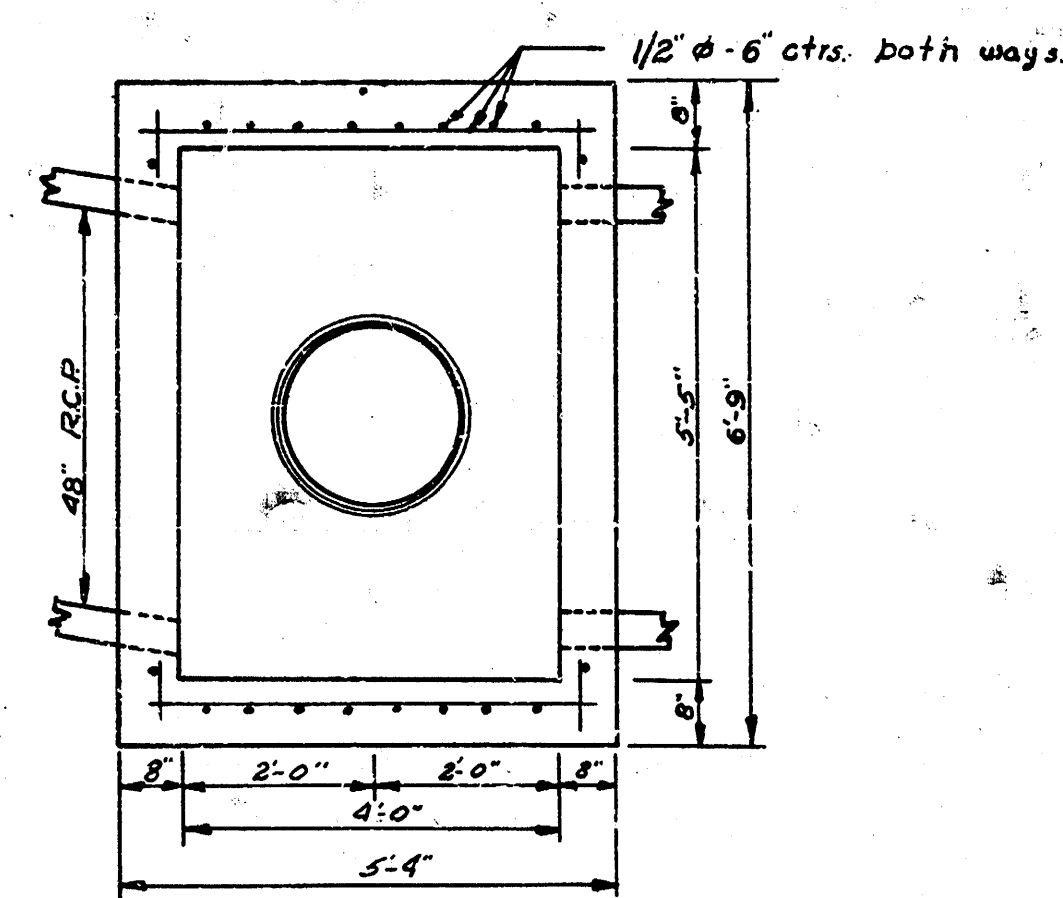
SECTION

Showing reinforcing steel in Top and Bottom.



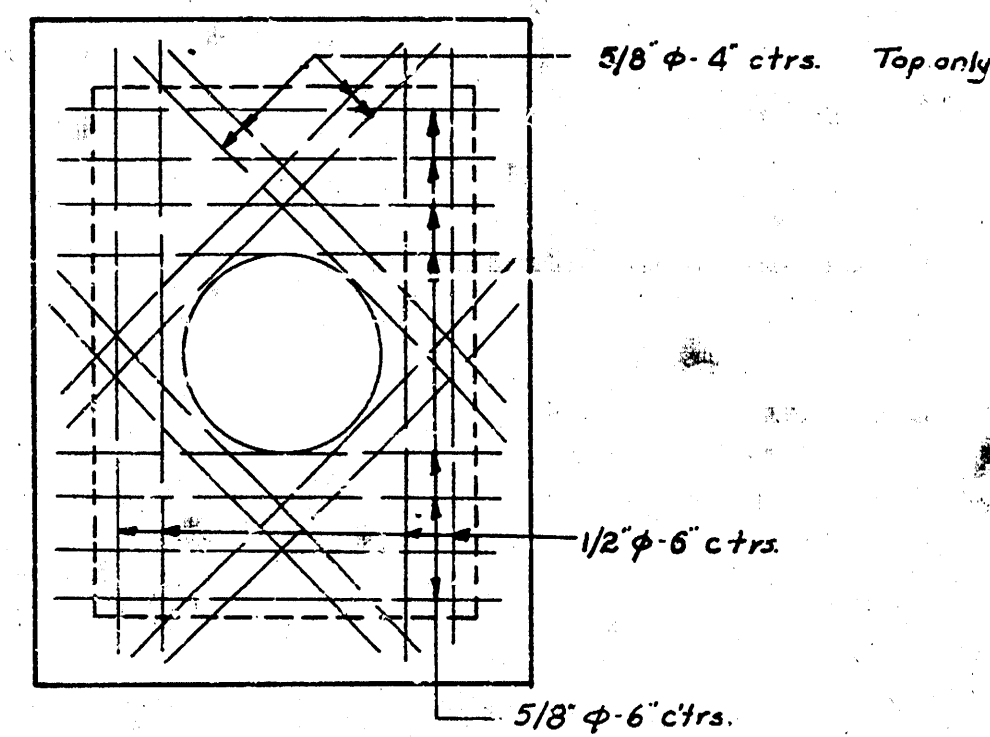
PROFILE

DETAILS MANHOLE 5x50



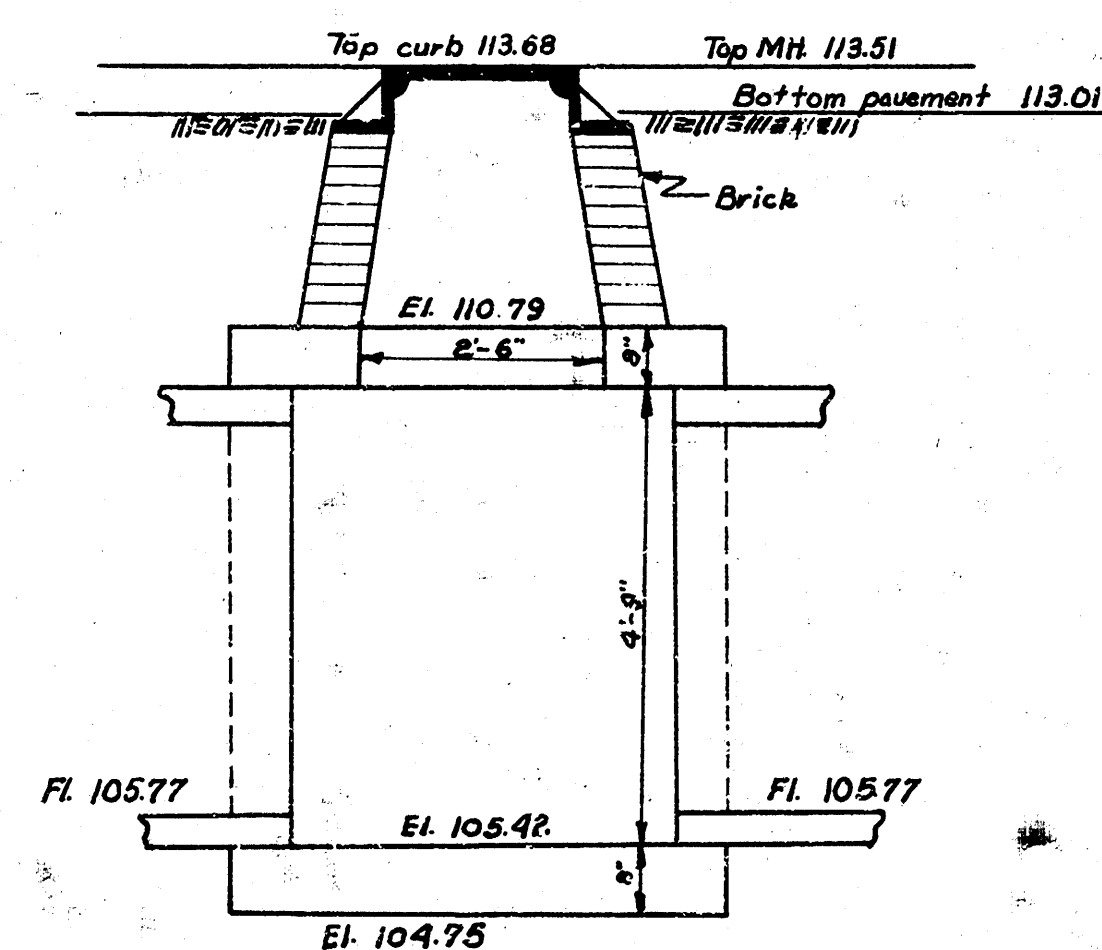
PLAN

Showing reinforcing steel placement in walls.



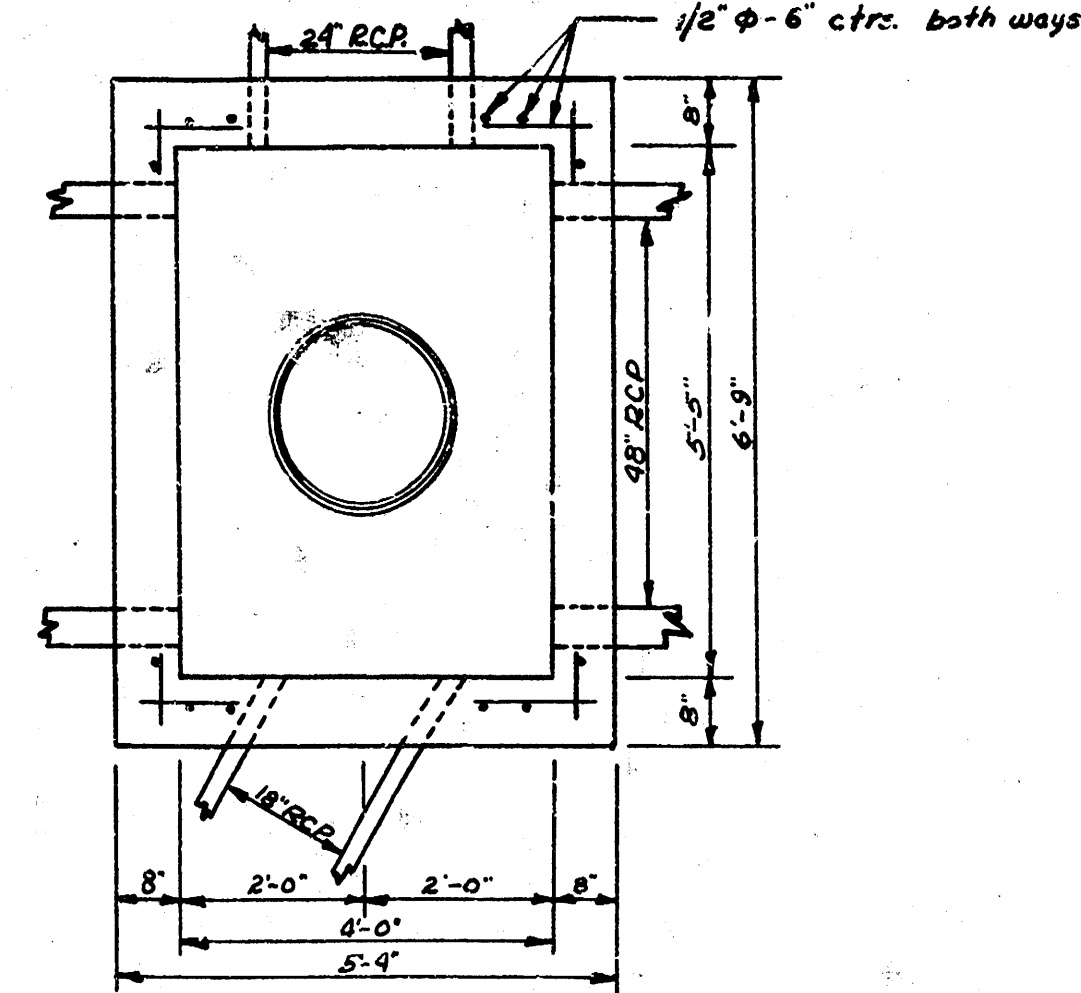
SECTION

Showing reinforcing steel in Top and Bottom.



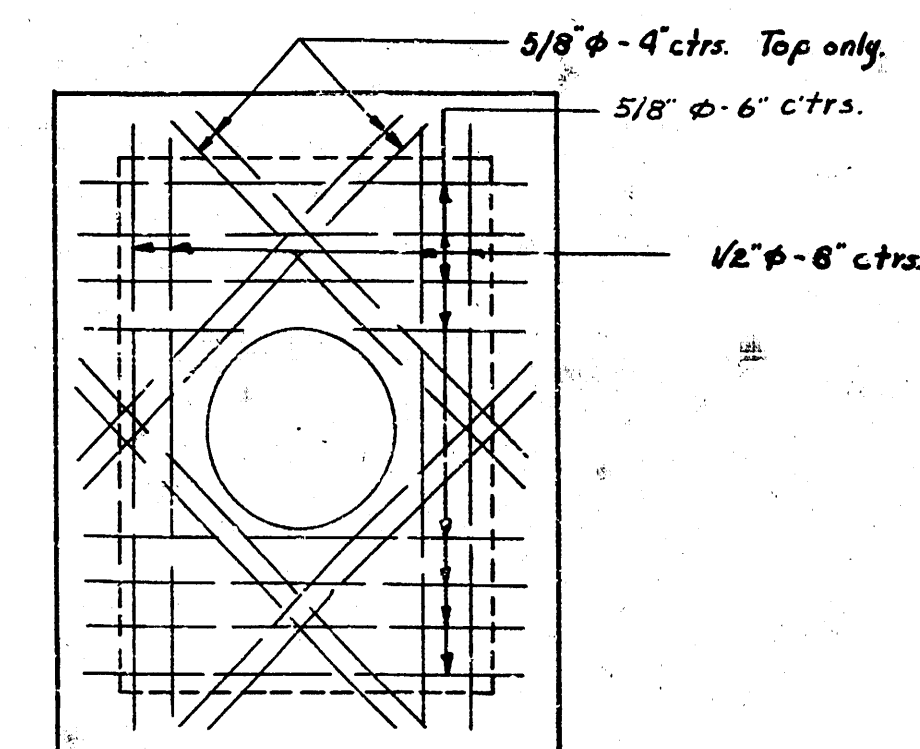
PROFILE

DETAILS MANHOLE 7x10 & 10x10 & 13x80



PLAN

Showing reinforcing steel placement in walls.

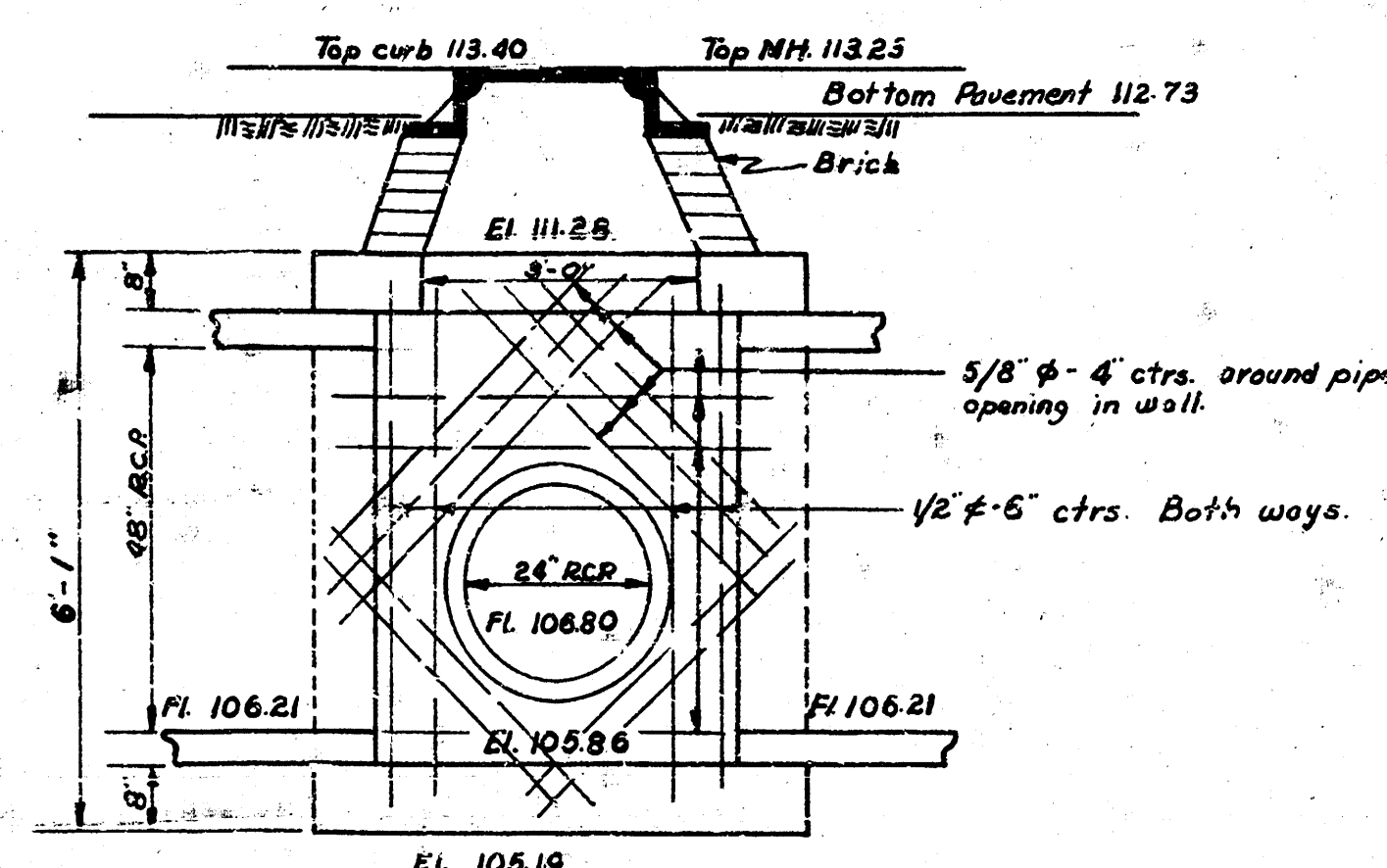


SECTION

Showing reinforcing steel in top & bottom.

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

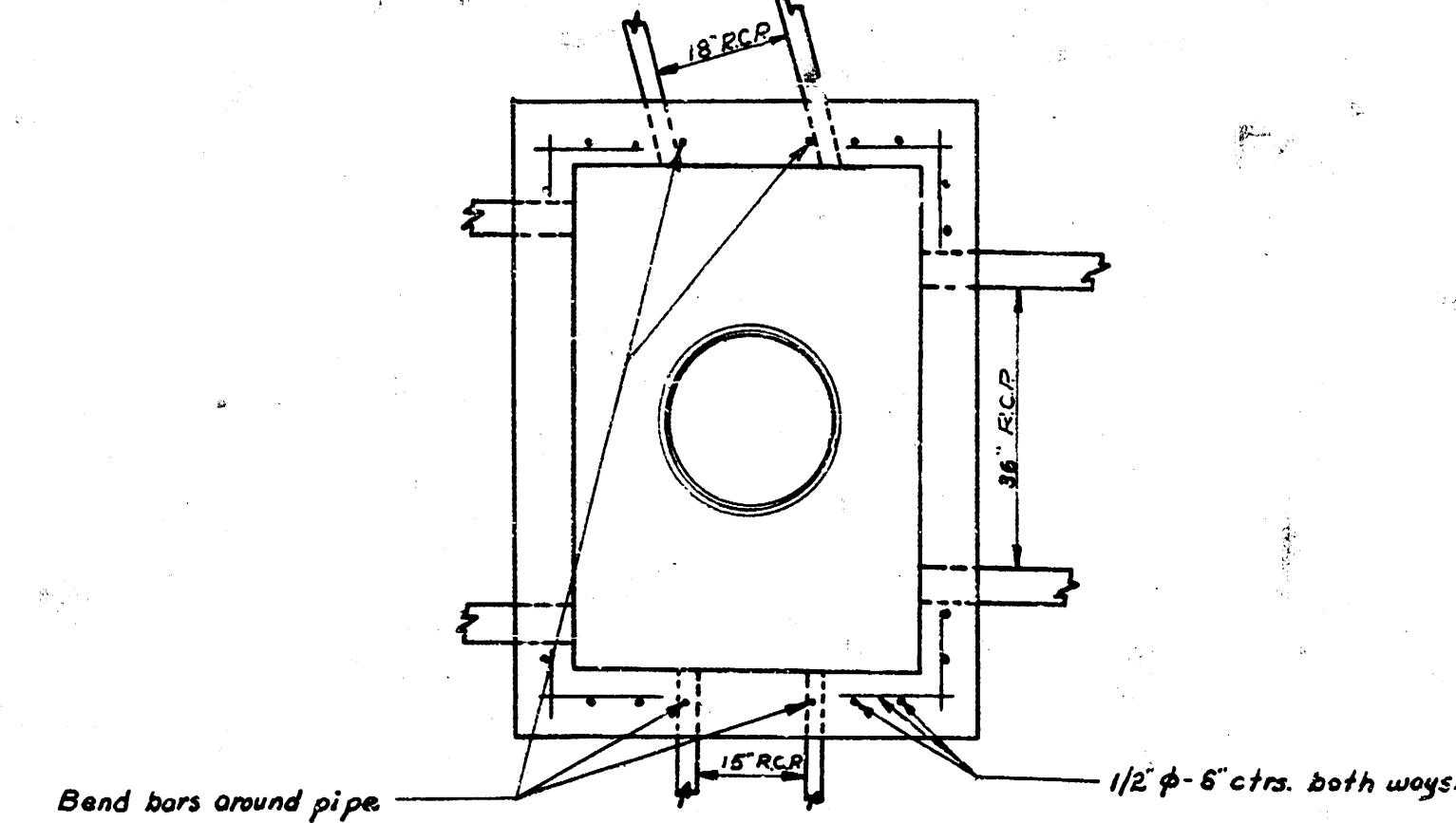
|                           | 10x10  | 13x80  |
|---------------------------|--------|--------|
| Top of curb               | 113.84 | 114.40 |
| Top of Manhole            | 113.67 | 114.43 |
| Bottom of pavement        | 113.17 | 113.95 |
| Top of concrete box       | 112.00 | 113.00 |
| Flow line of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



PROFILE

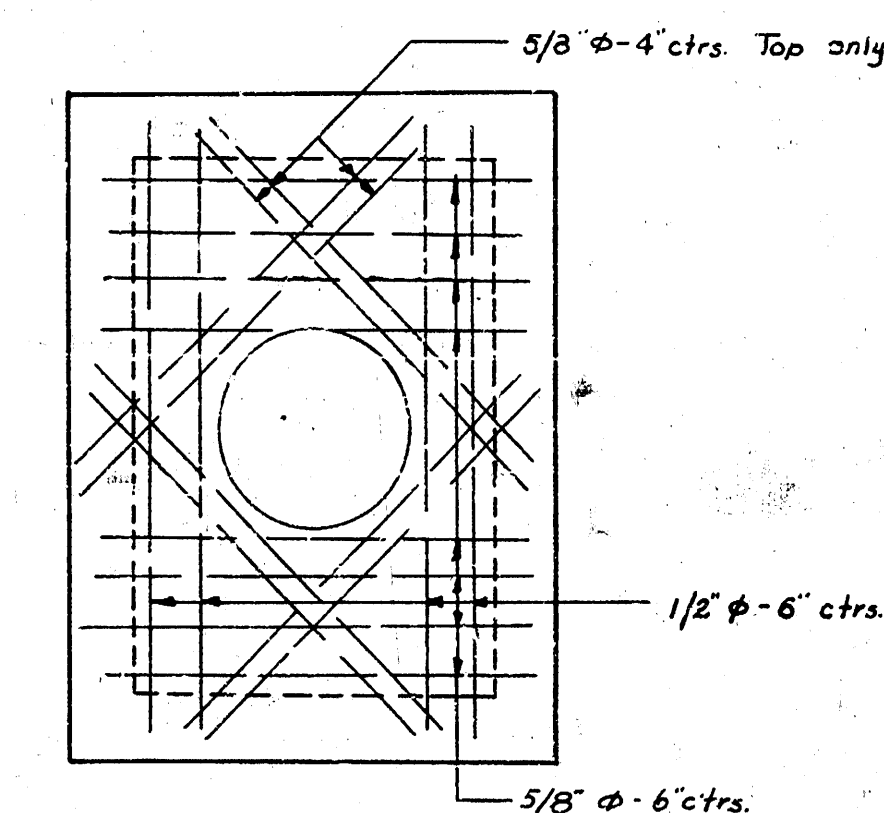
Showing steel in walls.

DETAILS MANHOLE 16x80

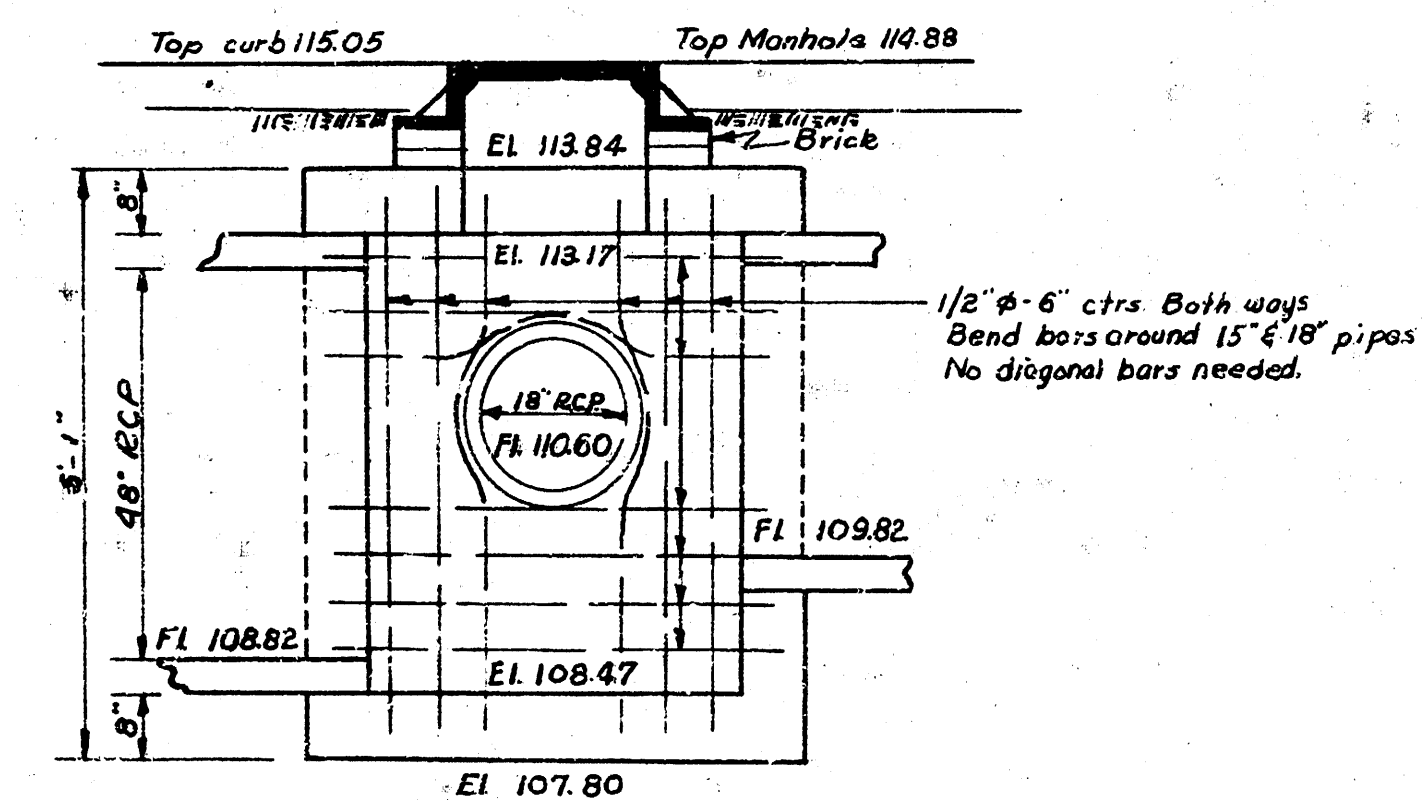


PLAN

Showing steel placement in walls.



SECTION



PROFILE

Showing steel in walls.

Sheet 13/14