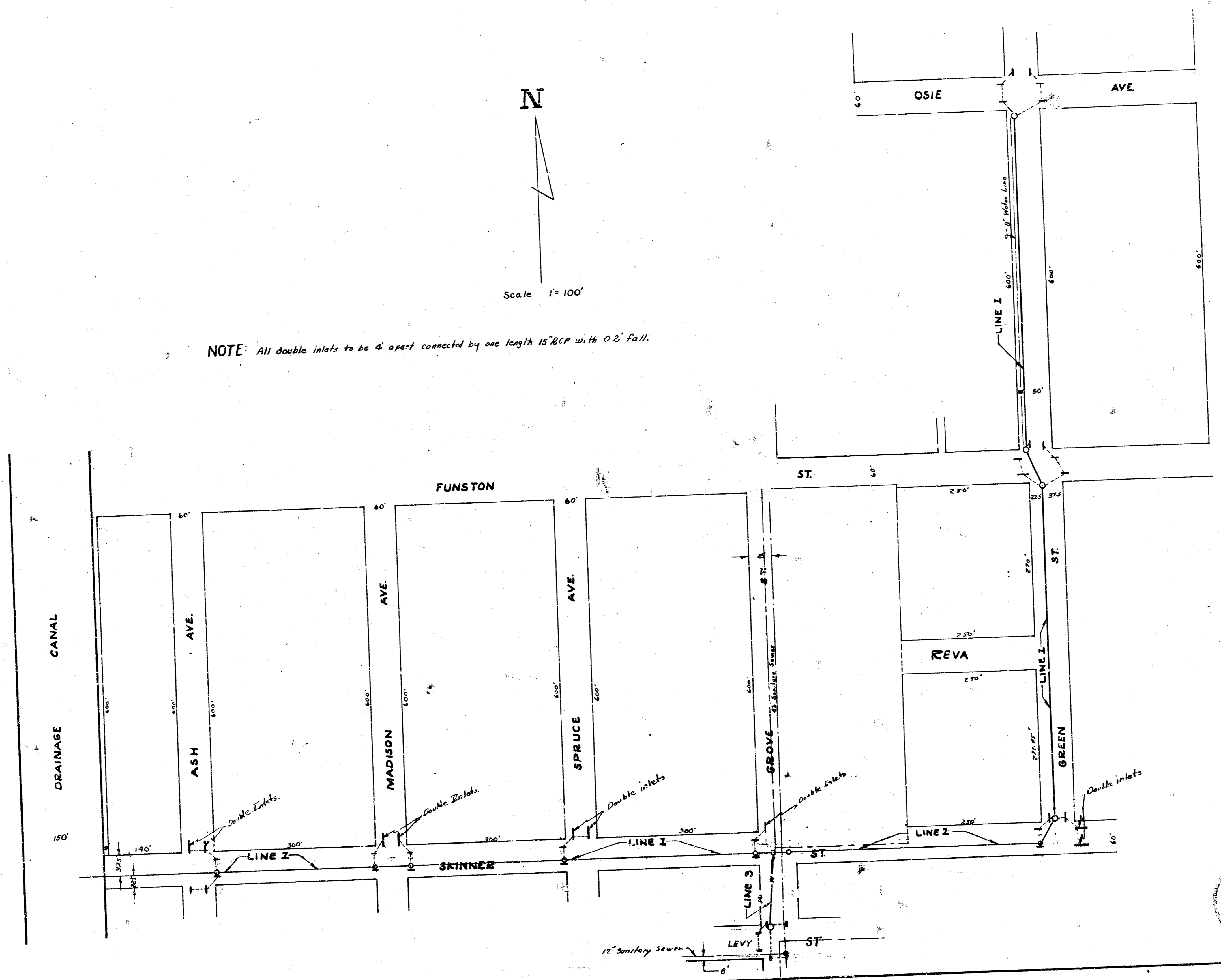
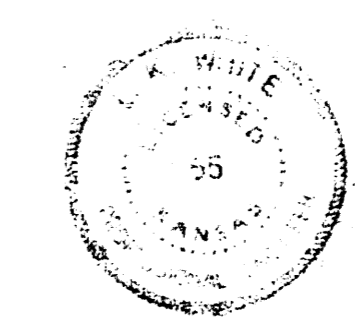


NOTE: All double inlets to be 4' apart connected by one length 15' BCP with 0.2' fall.

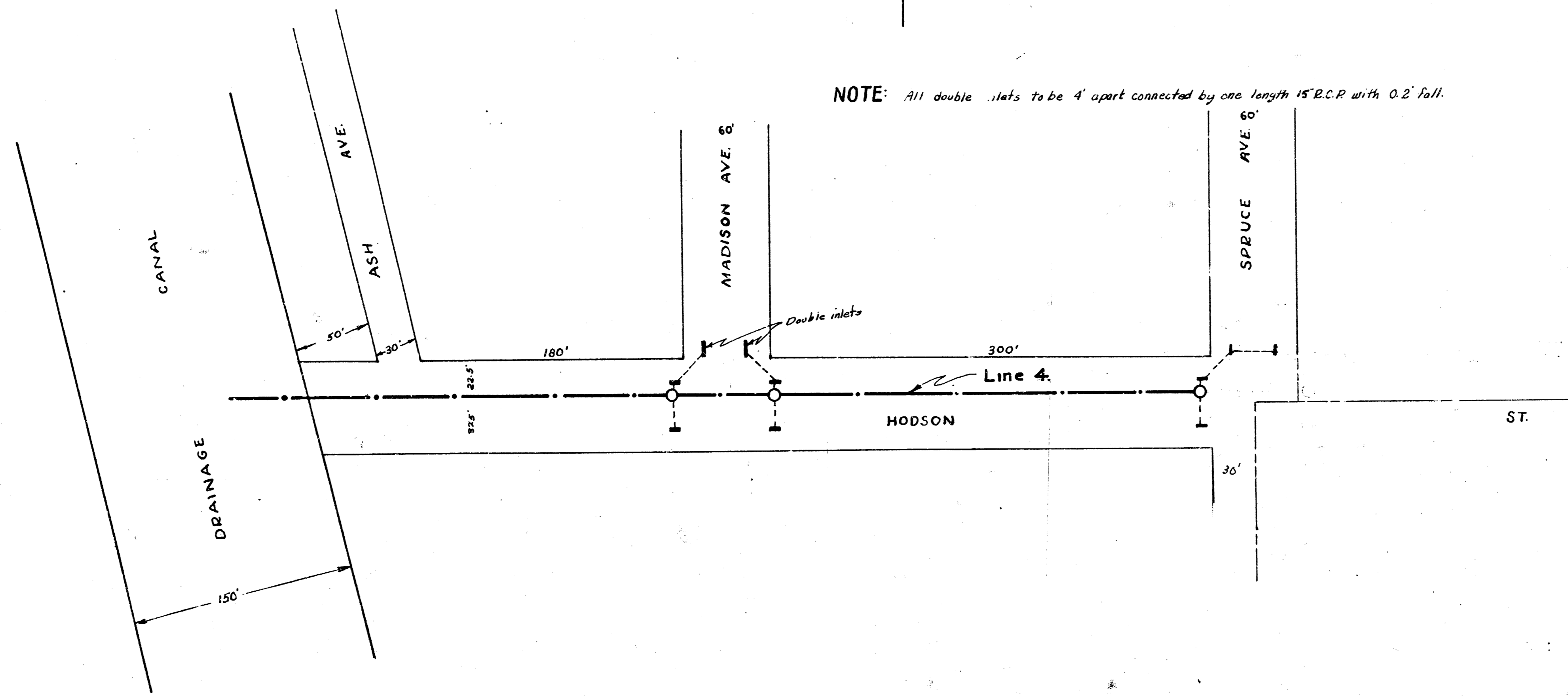


STORM SEWER NO. 38
WICHITA, KANSAS
L. K. WHITE CITY ENGINEER
1950
PROJECT NO. C20-66





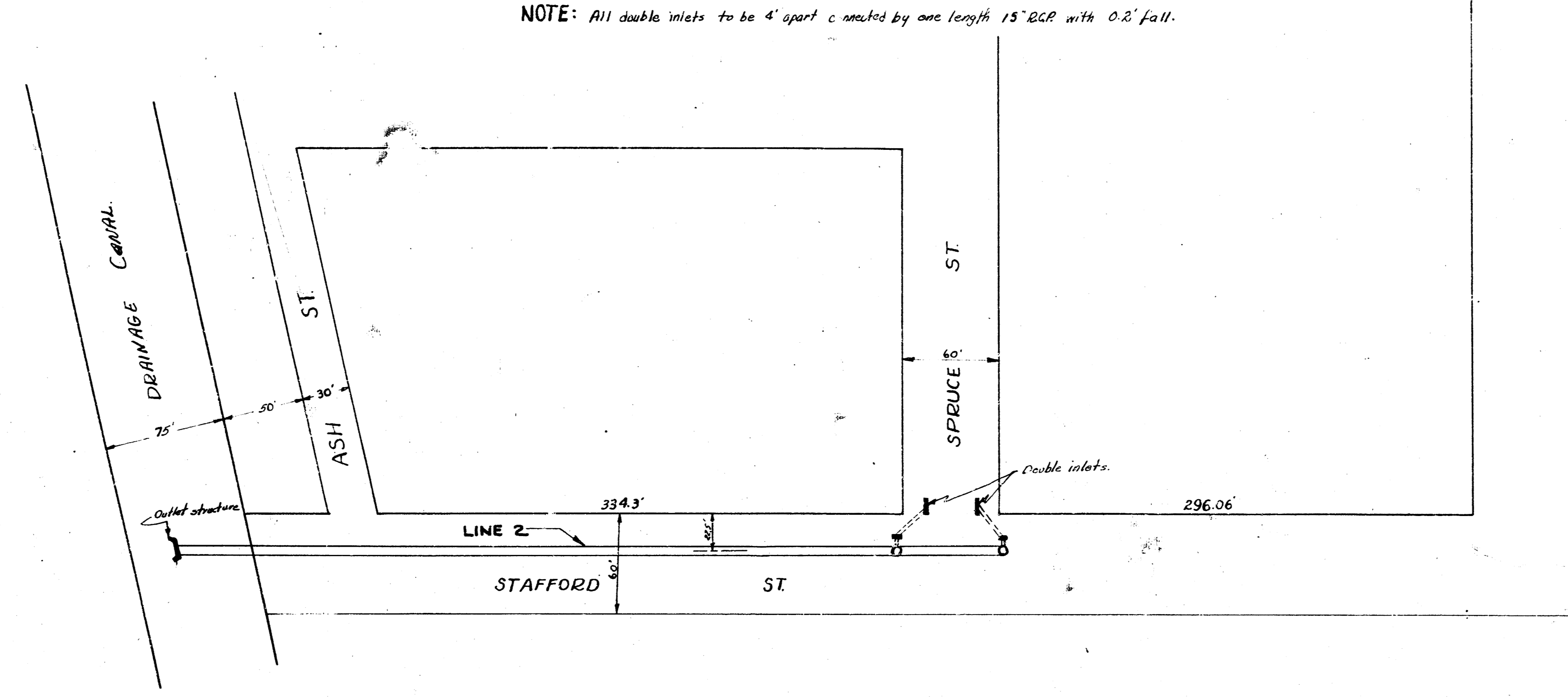
NOTE: All double inlets to be 4' apart connected by one length 15' B.C.P. with 0.2' fall.



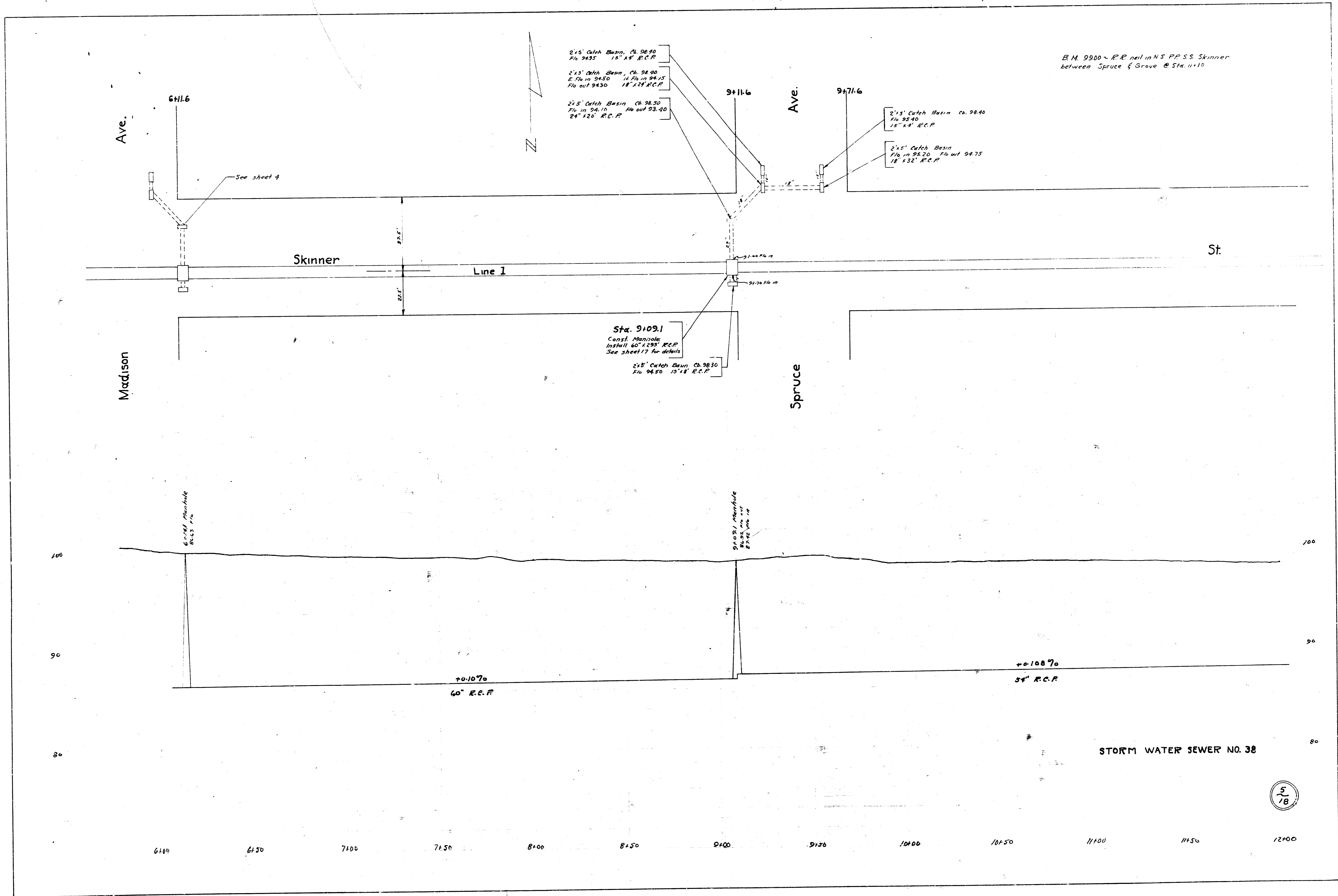
STORM SEWER NO. 38
WICHITA, KANSAS
L.K. WHITE CITY ENGINEER
1950

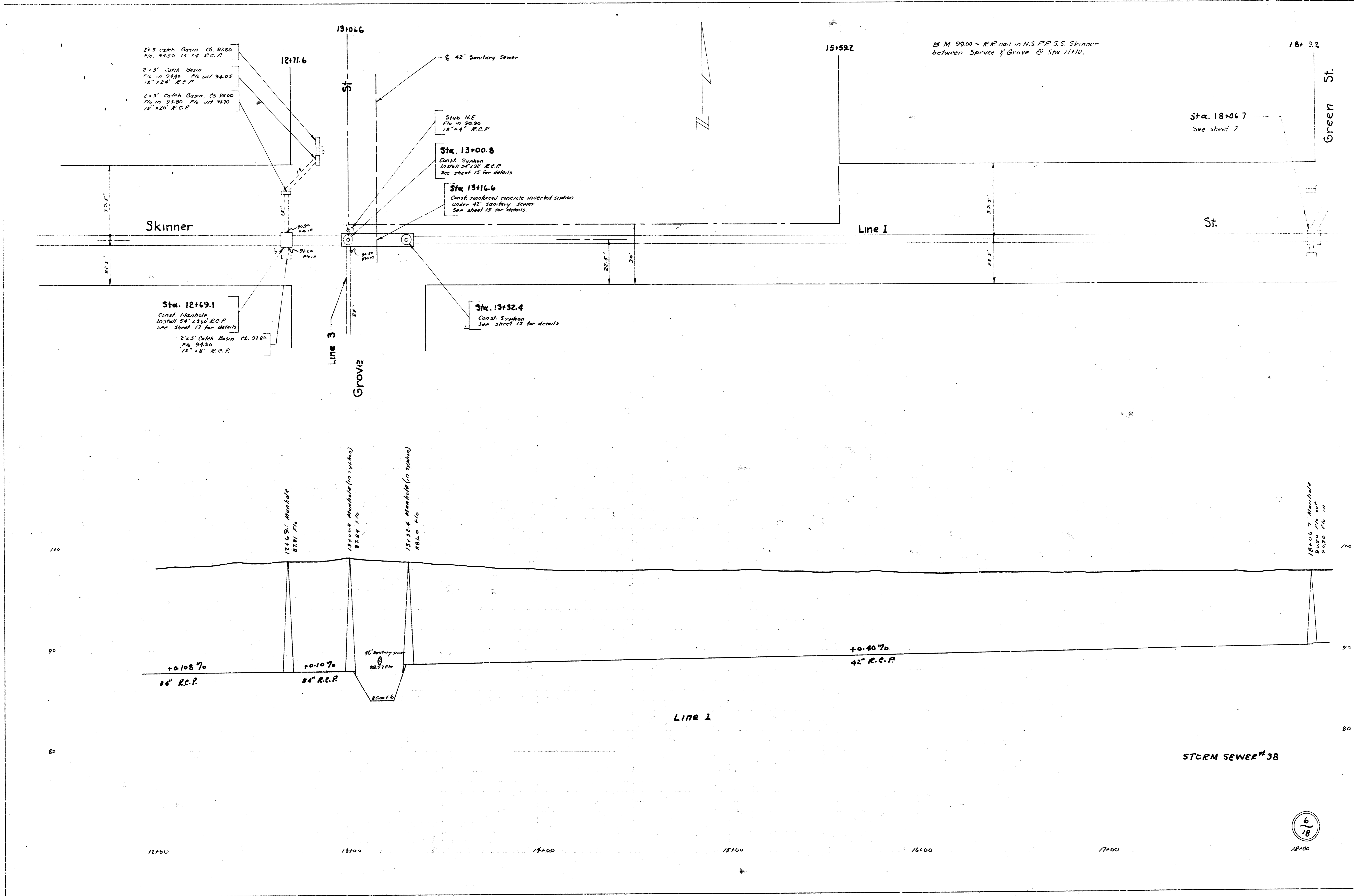


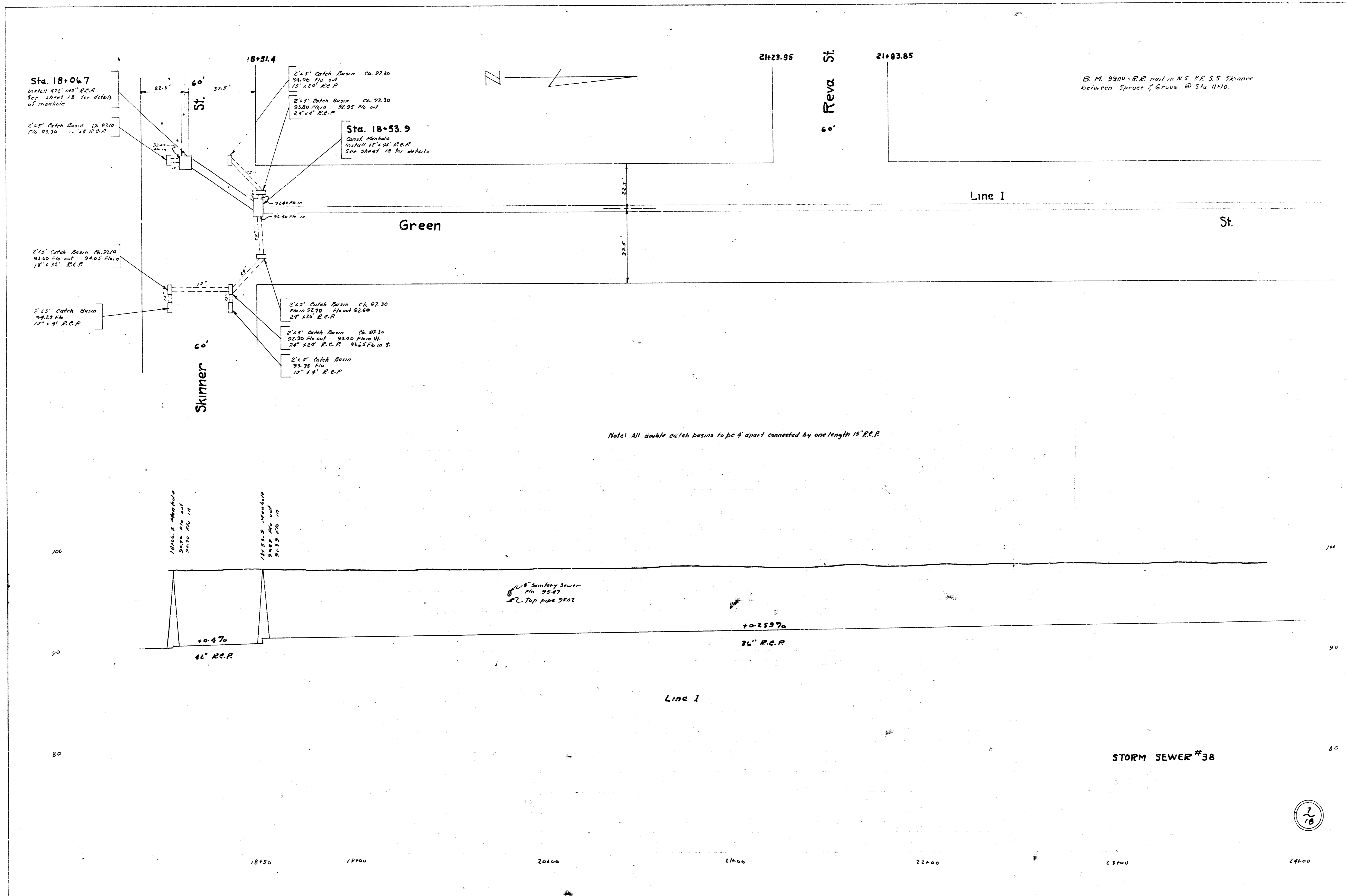
NOTE: All double inlets to be 4' apart & connected by one length 15" RCP with 0.2' fall.

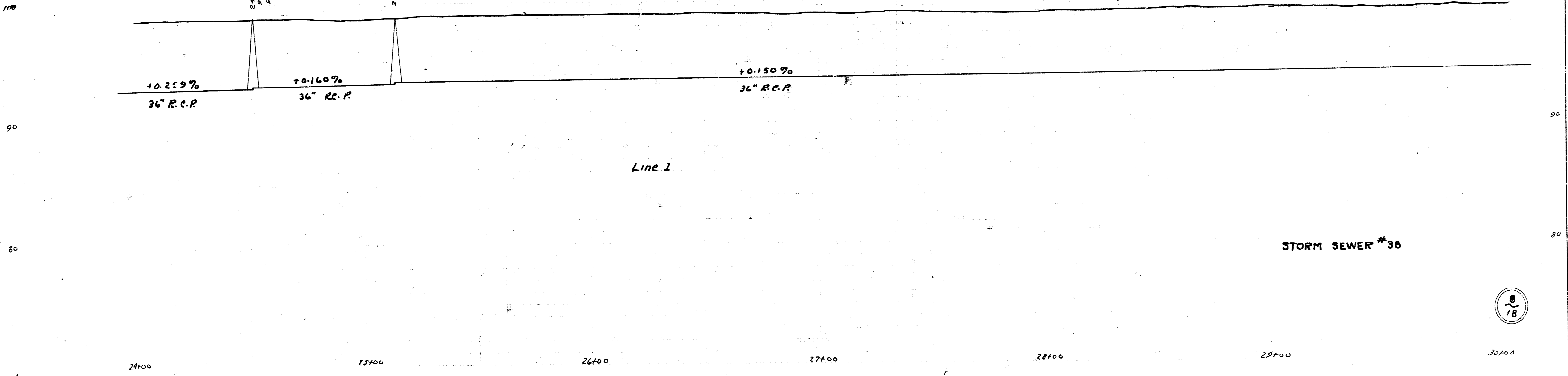
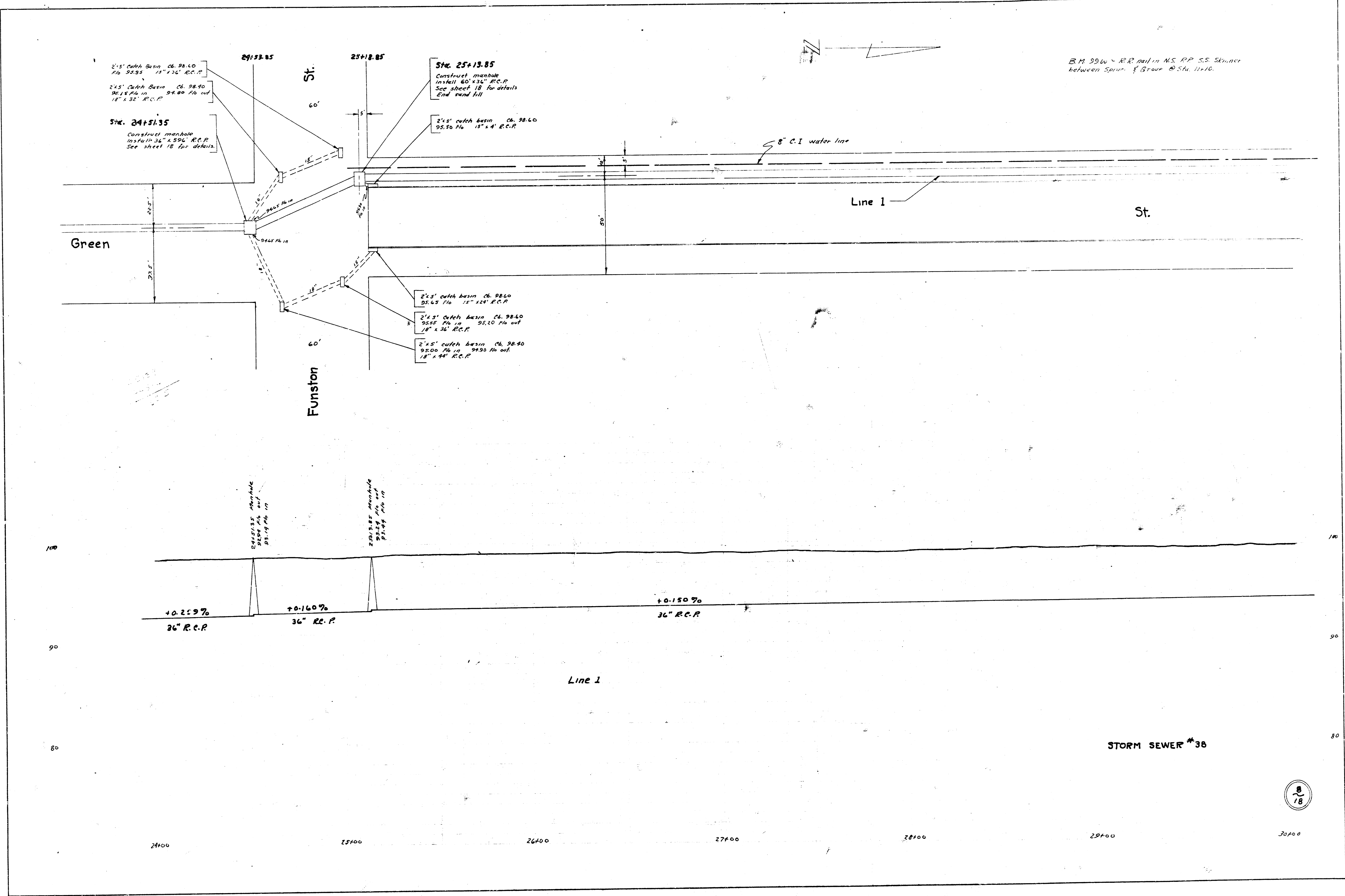


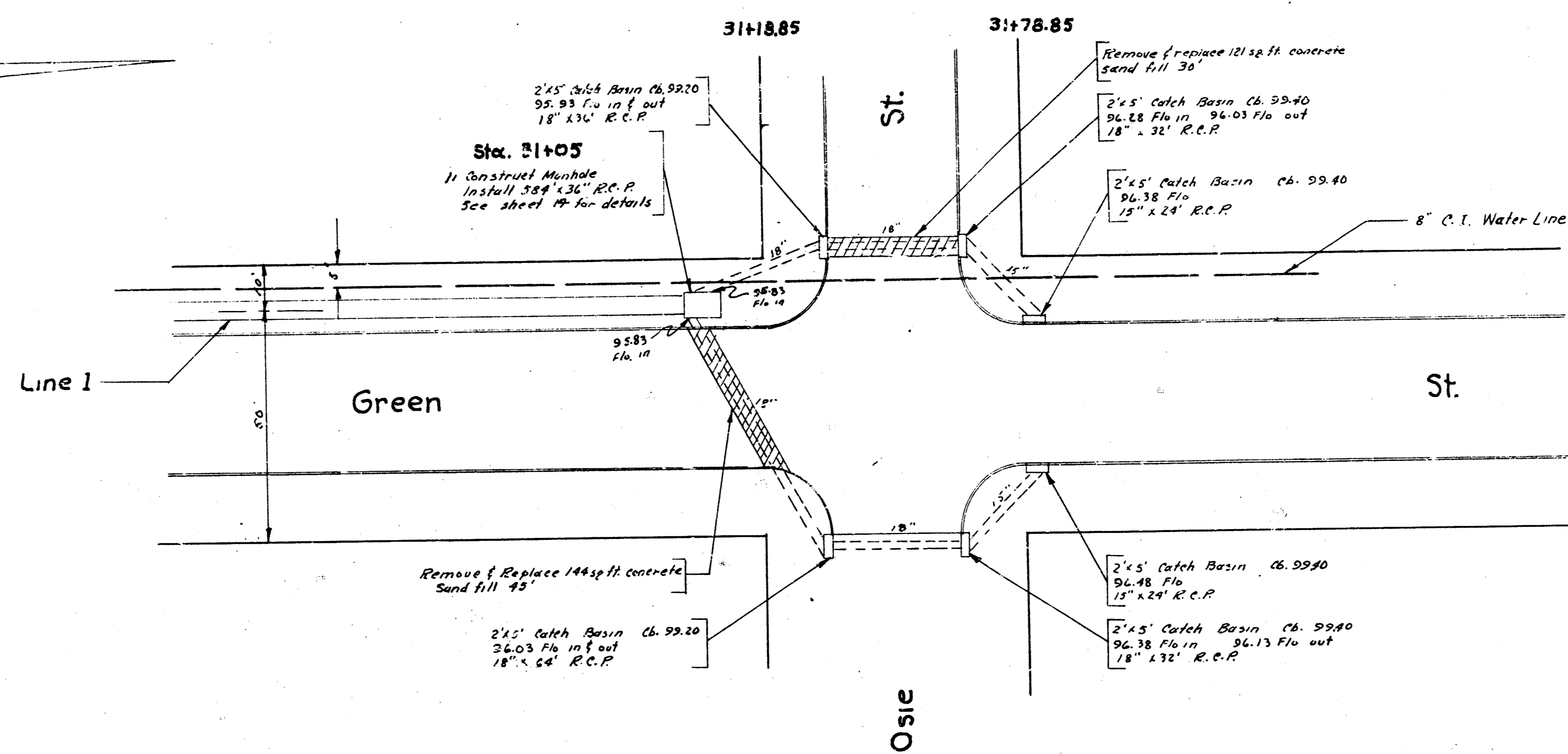
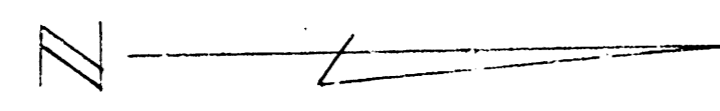
STORM WATER SEWER # 38
Wichita Kansas
L. K. White City Engineer
1950



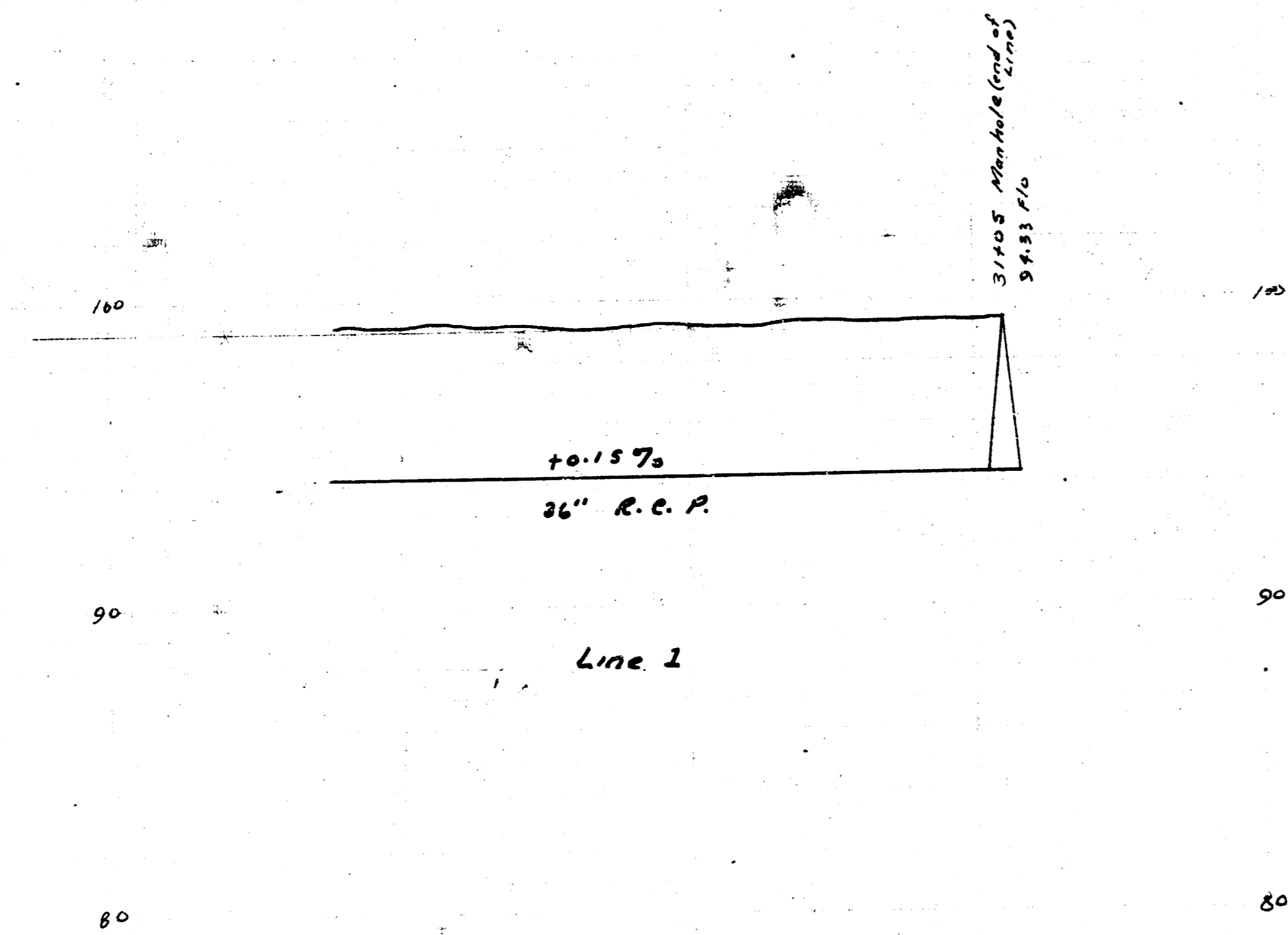






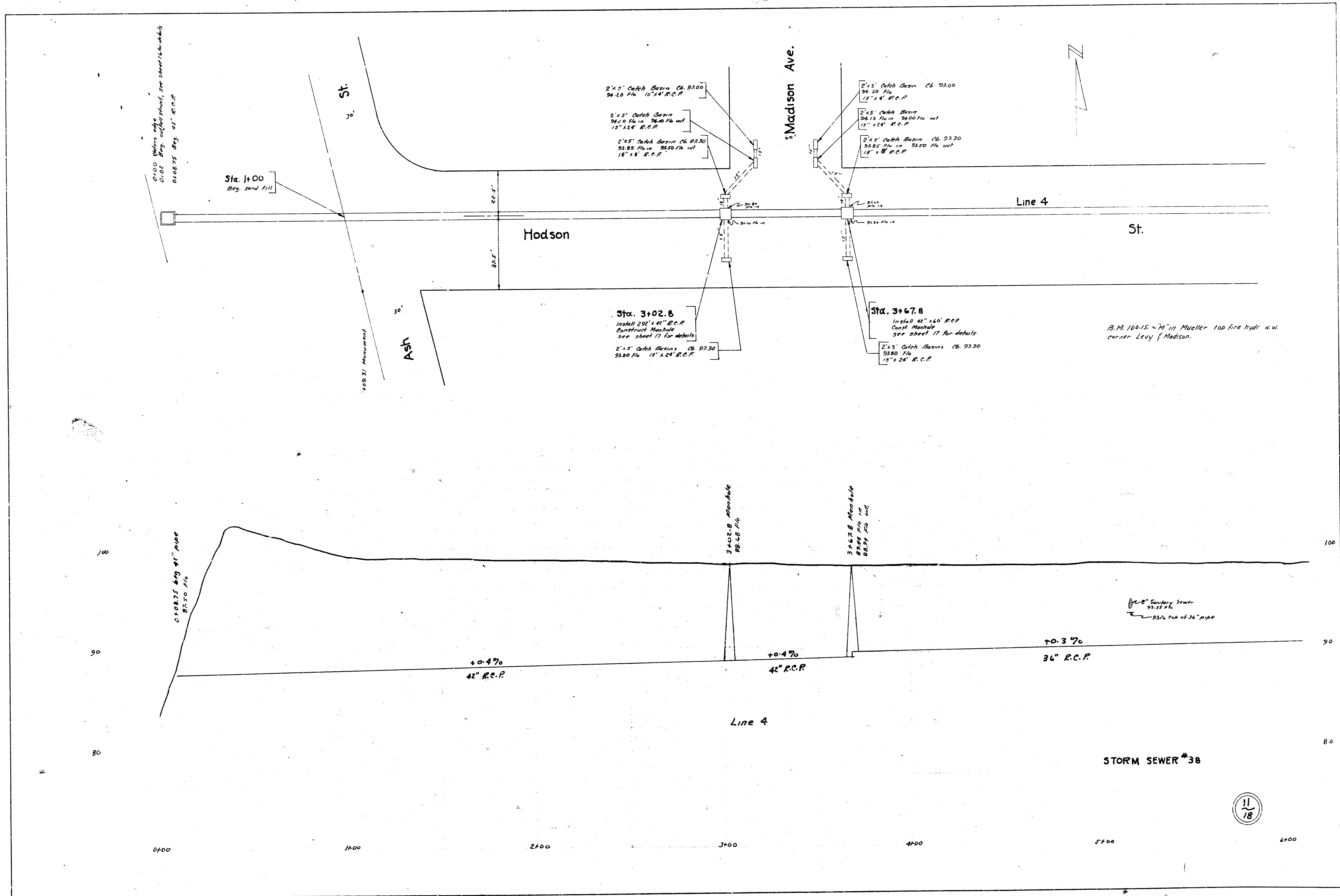


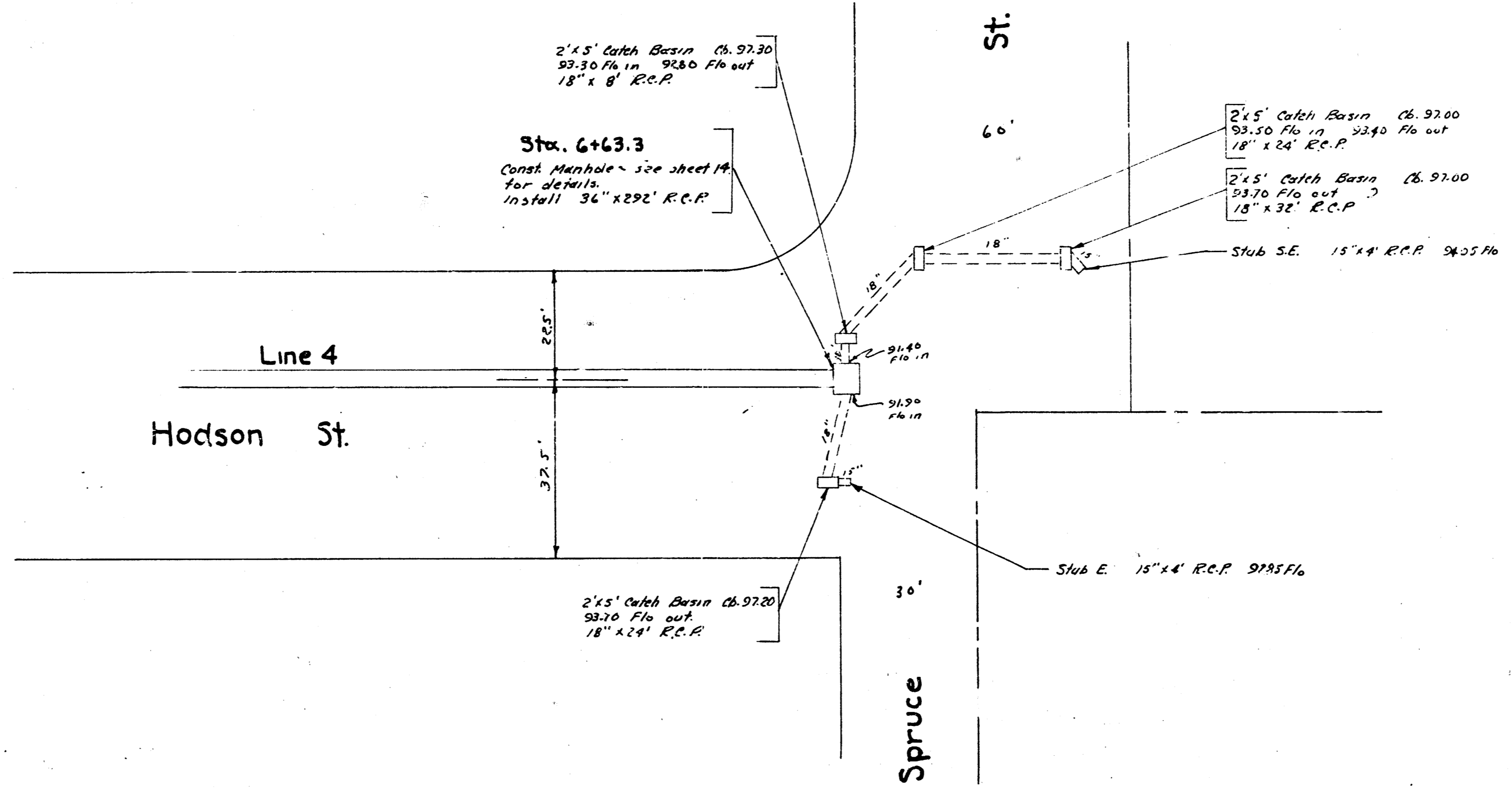
B.M. 5500 ~ P.P. nail in N.S. P.P.S.S. Skinner between Spruce Grove & Sta 11+10.



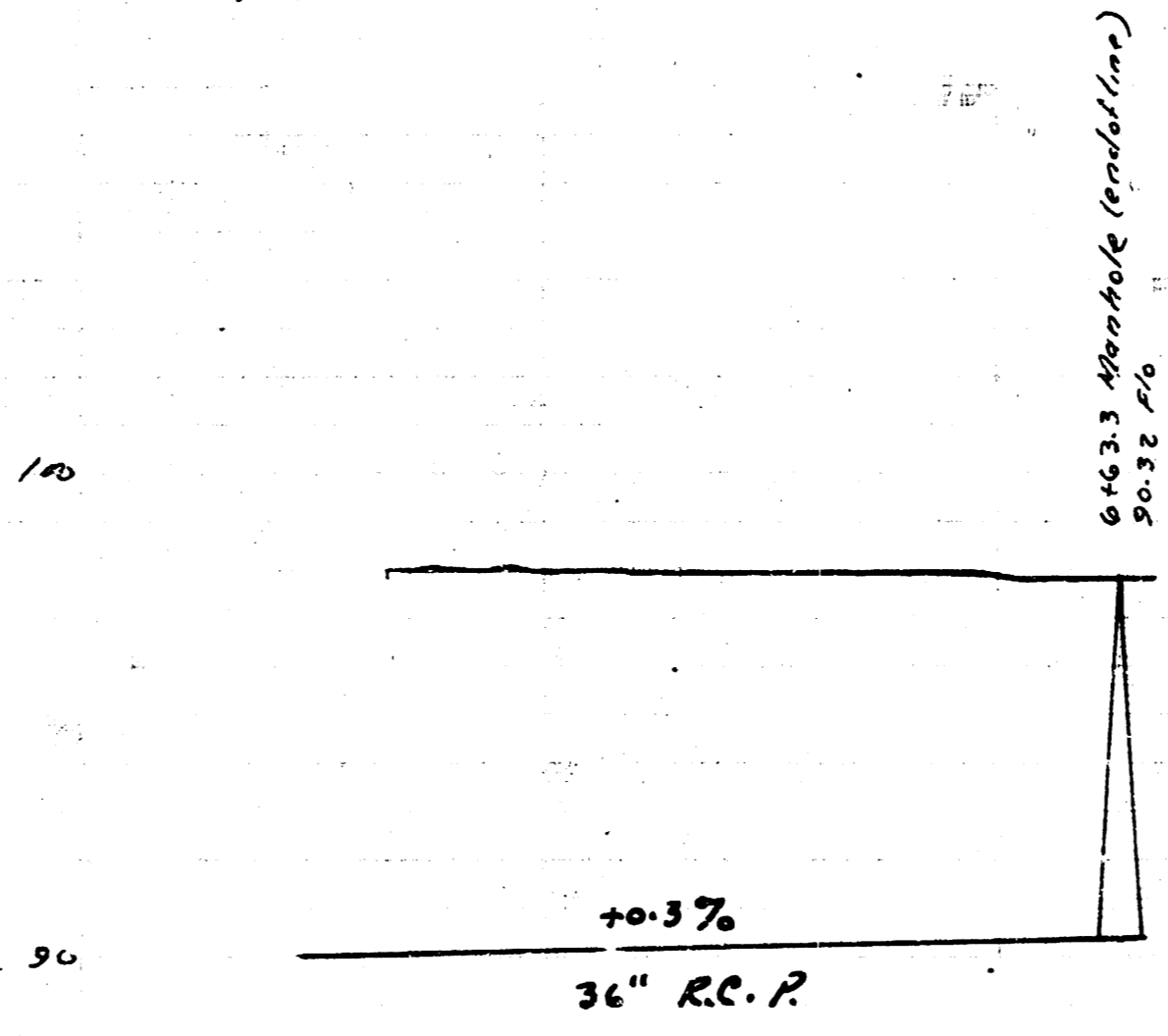
STORM SEWER #38







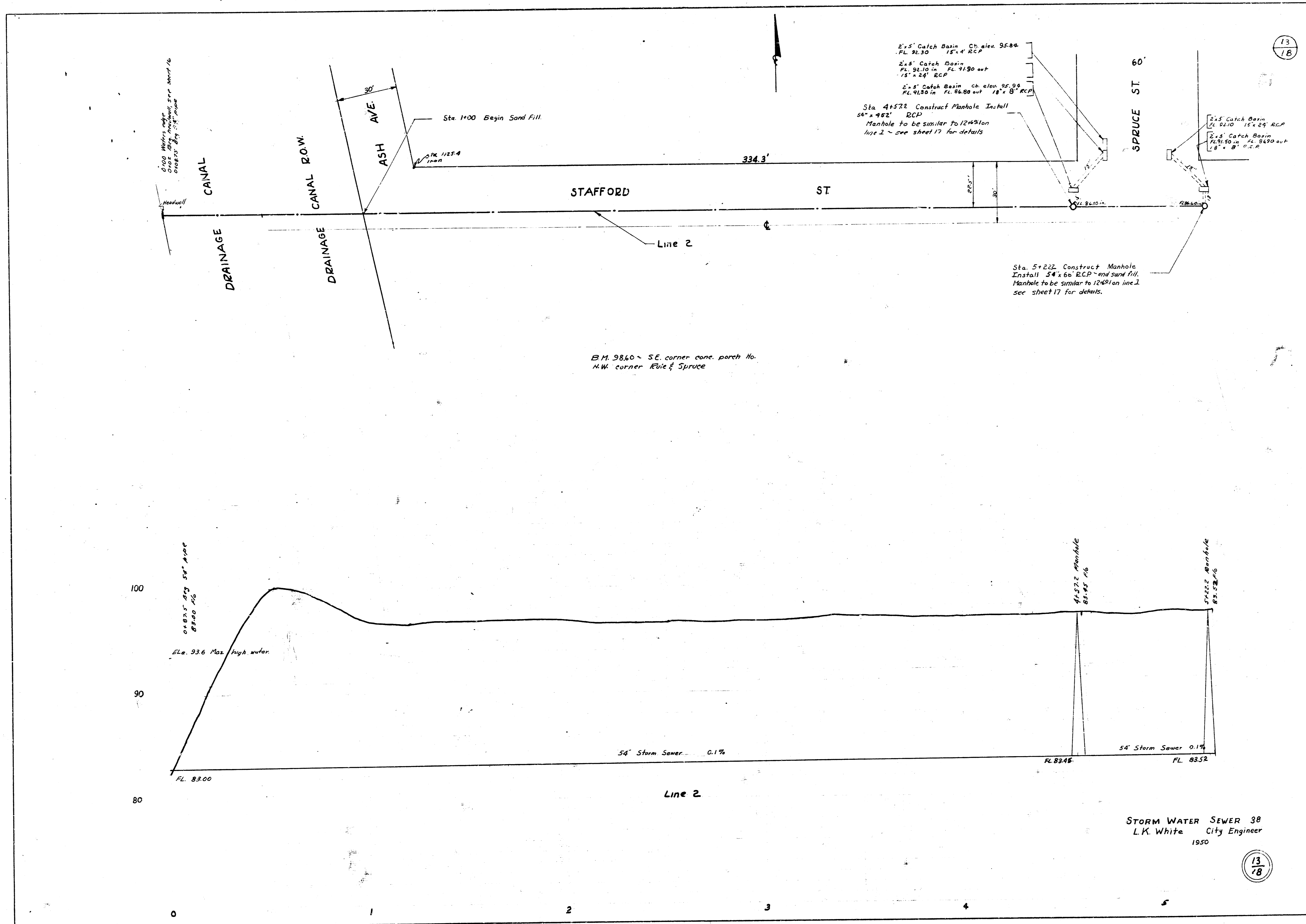
B.M. 100.15 - 74" in Mueller top fire hydr. NW corner Levy & Madison.



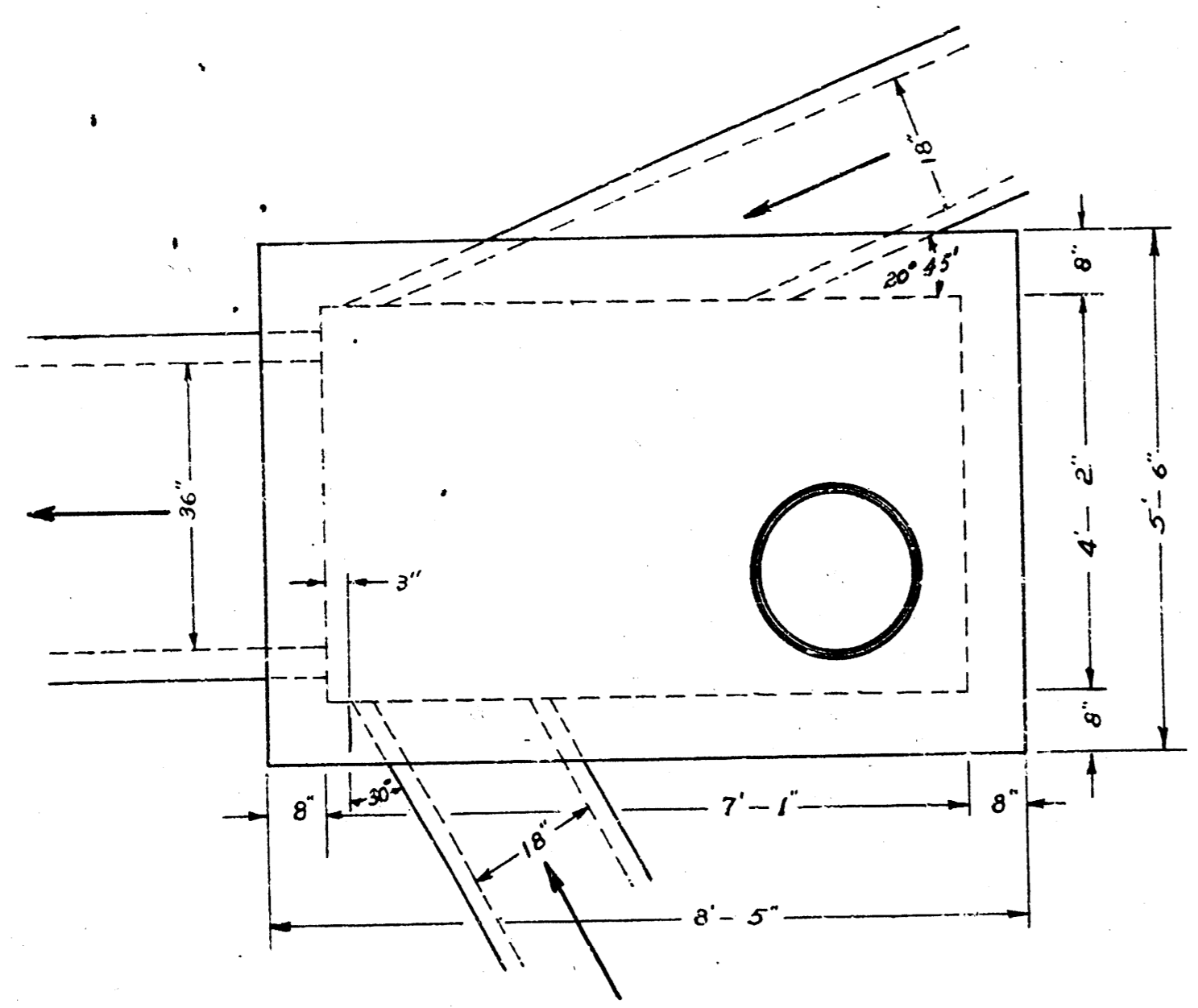
STORM SEWER #38

12/78

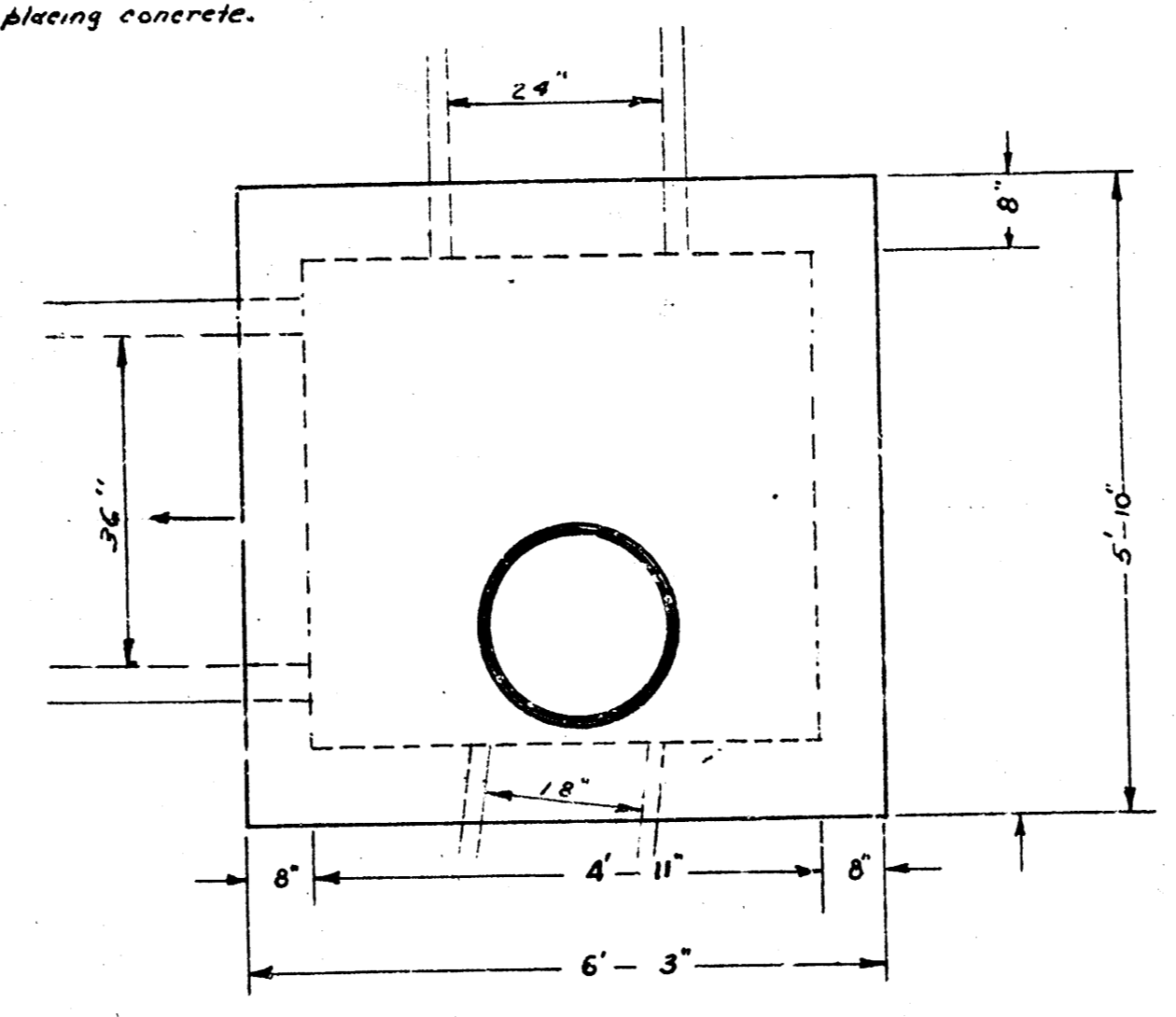
6600 6450 7600



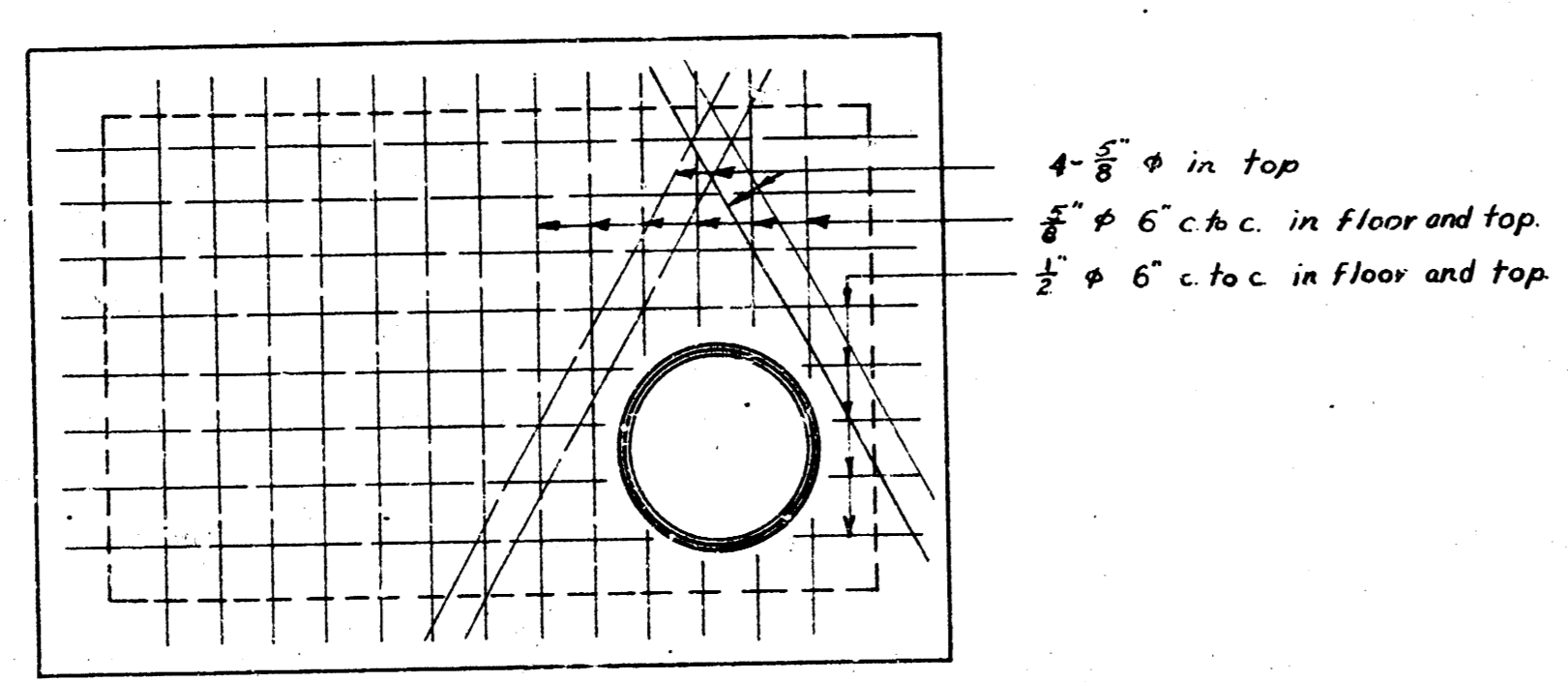
Note:
 Concrete for manholes shall contain not less than 145 barrels of cement per cu yd. In no event shall the water content exceed 4.5 gals per sack of cement. The mixture of fine & coarse aggregate shall be such as will produce a maximum density of the most workable mixture.
 In general pipes will enter & leave the manholes at various positions, where possible bend large manholes. Where pipes are large use $\frac{3}{8}$ " bars as shown.
 Floors of manholes to be sloped for flow & drainage with concrete.
 No deduction in concrete quantities shall be made for pipe openings.
 No additions in concrete quantities shall be made for sloping floor of manholes.
 Internal vibrator to be used for placing concrete.



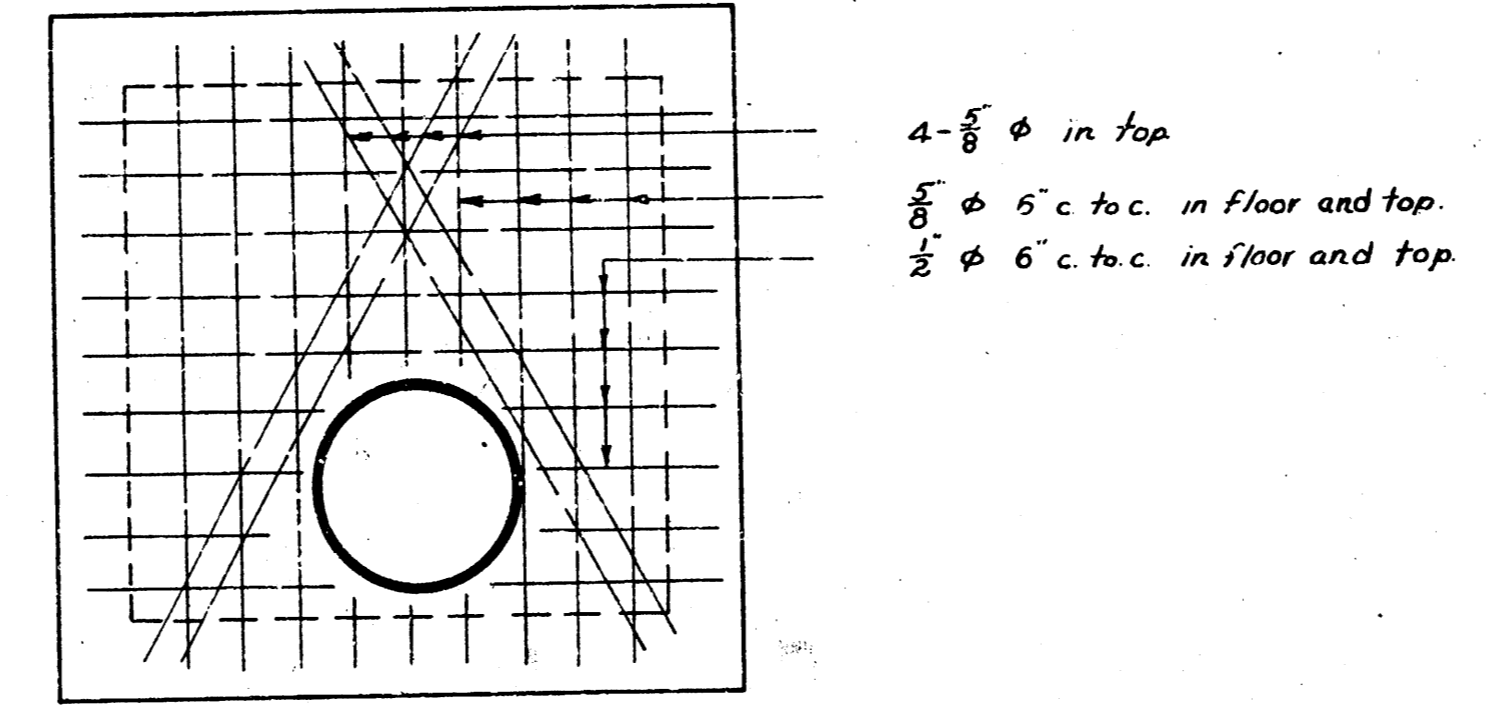
Manhole Layout Sta. 31+05



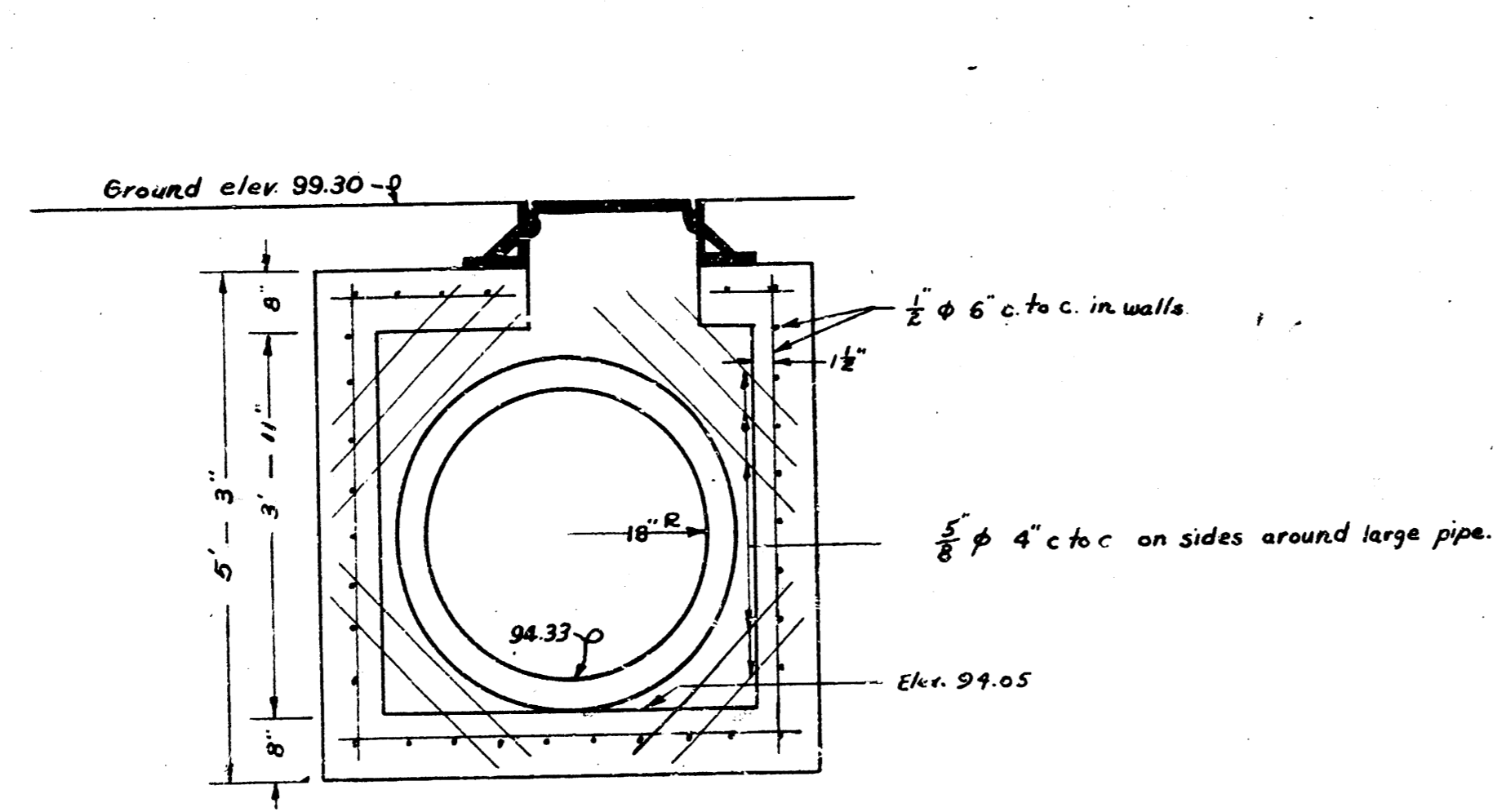
Manhole Layout Sta. 44633



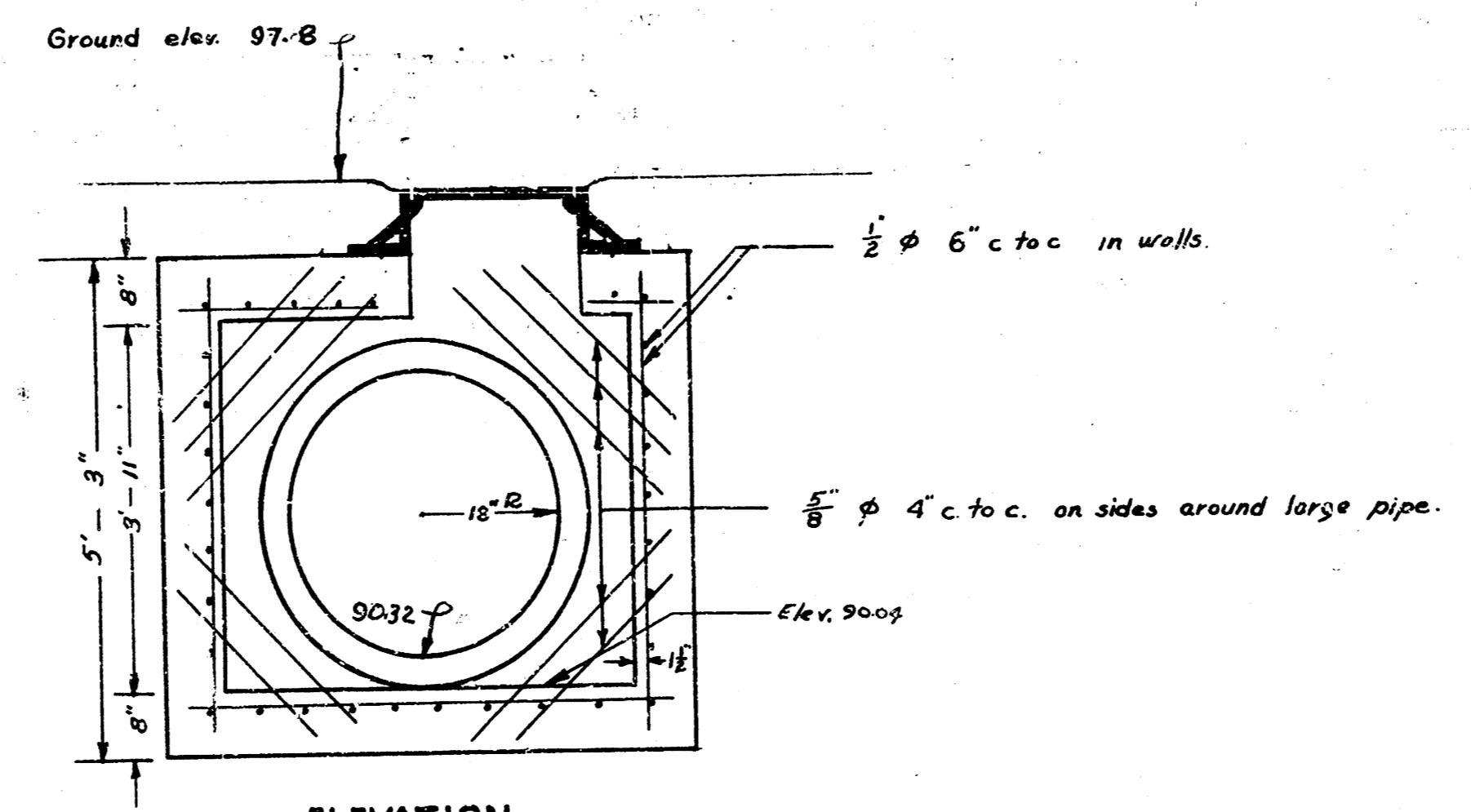
PLAN
Showing re-inforcing steel in top and floor.



PLAN
Showing re-inforcing steel in top and floor.

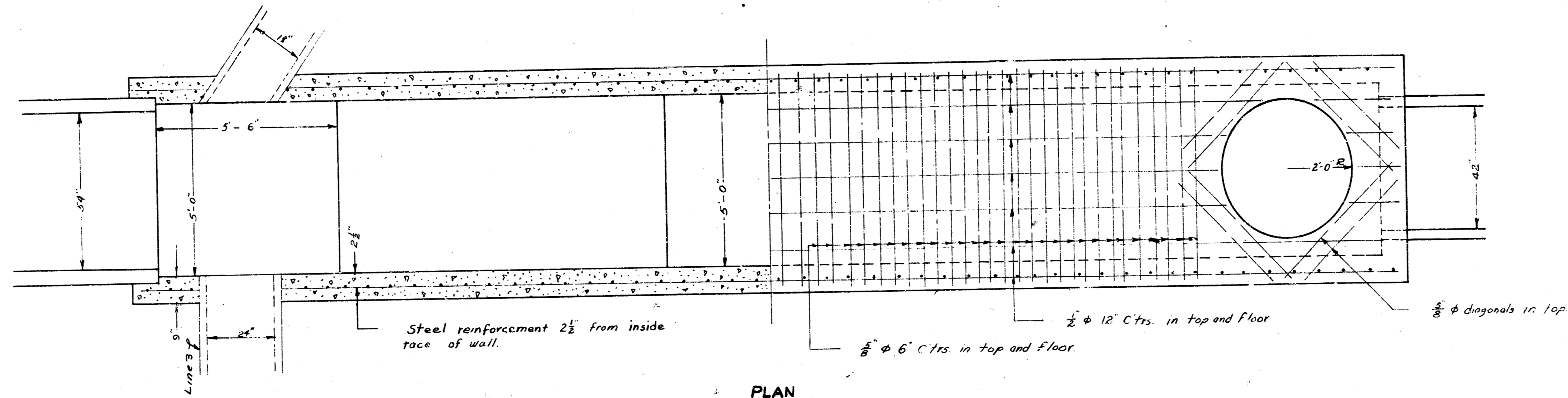


ELEVATION
Showing re-inforcing steel in walls.



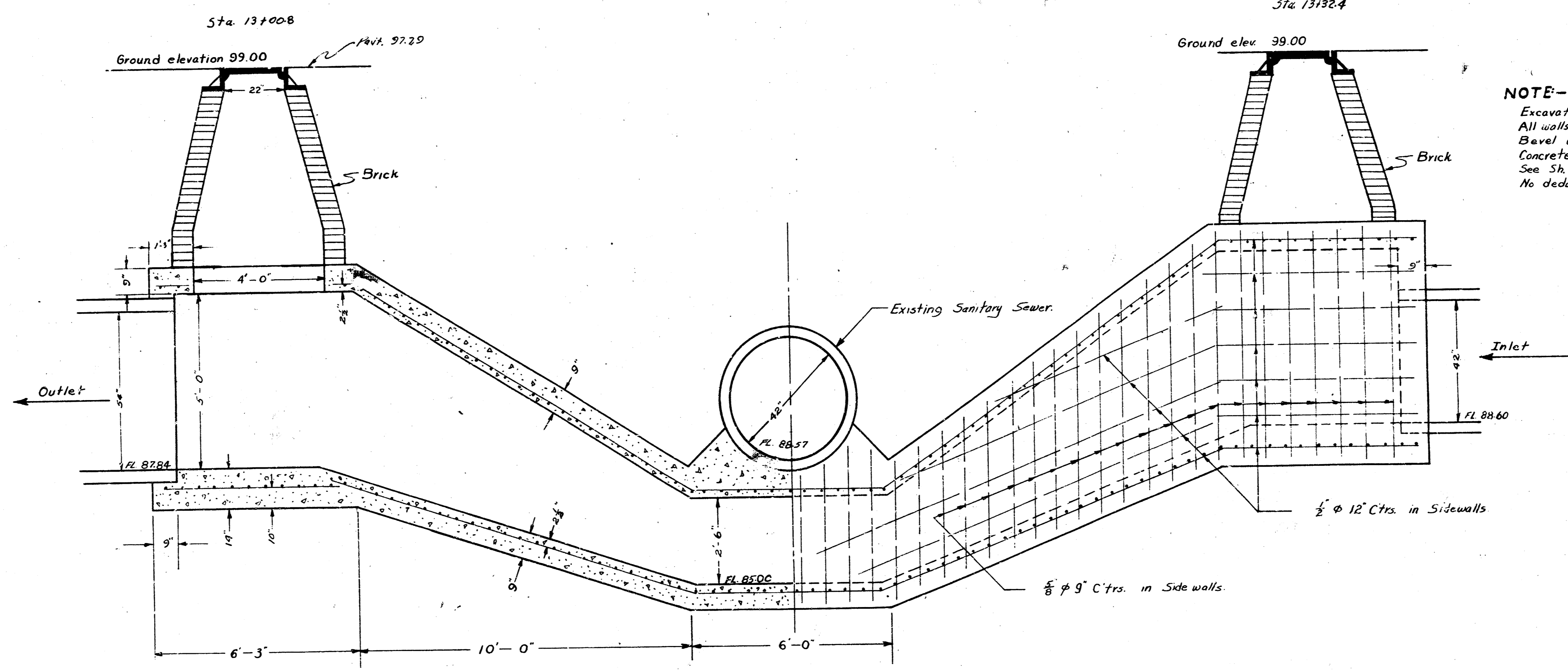
ELEVATION
Showing re-inforcing steel in walls.

STORM SEWER # 38
 WICHITA, KANSAS
 L. K. WHITE CITY ENGINEER
 1950



PLAN

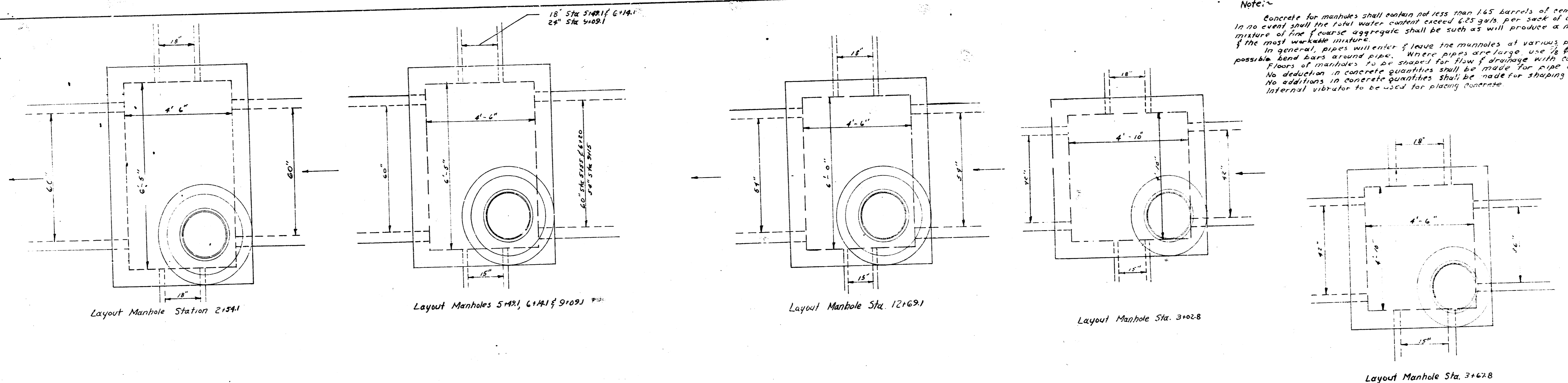
BILL OF MATERIAL	
Excavation	145 cu yds.
Concrete	2.5 cu yds.
Reinf. Steel	2335 lbs.
2 Brick Manholes	11'-8"



LONGITUDINAL SECTION
scale 1/2" = 1'

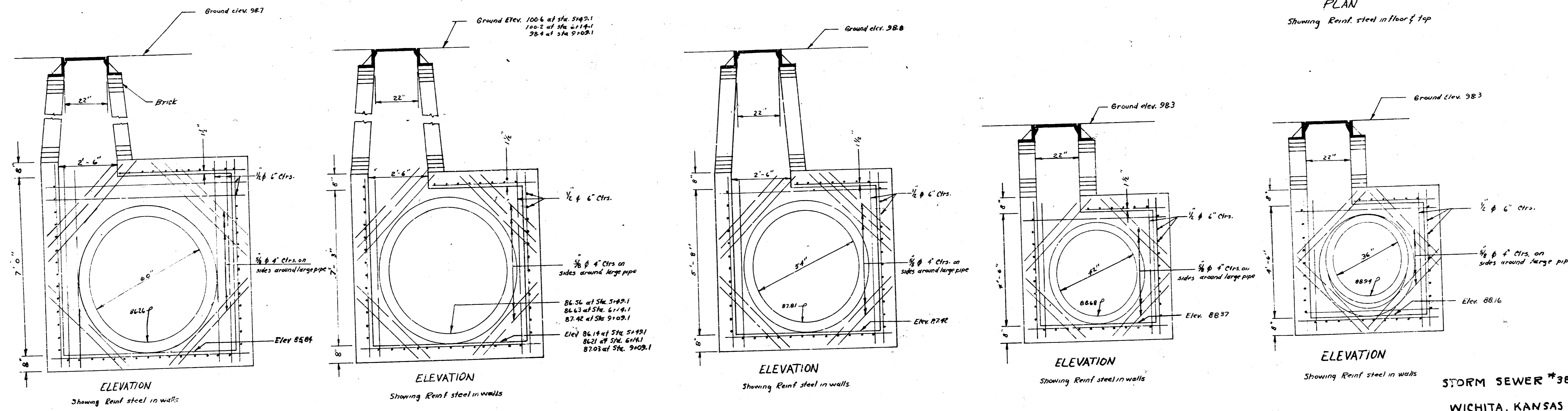
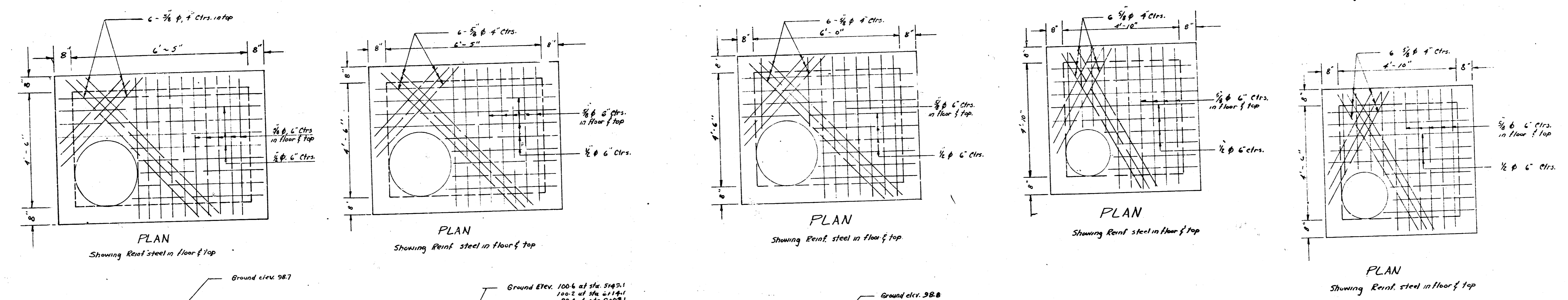
NOTE-
Excavation is figured 1 ft. outside of walls.
All walls to be formed on both sides.
Bevel all exposed edges with 3/4" Triangular Moulding.
Concrete to be mixed the same as noted for Manholes.
See Sh.
No deduction of concrete quantities for pipe opening.

STORM SEWER #38
LAYOUT & DETAIL FOR INVERTED SIPHON
WICHITA, KANSAS
L. K. WHITE, CITY ENGINEER
1950



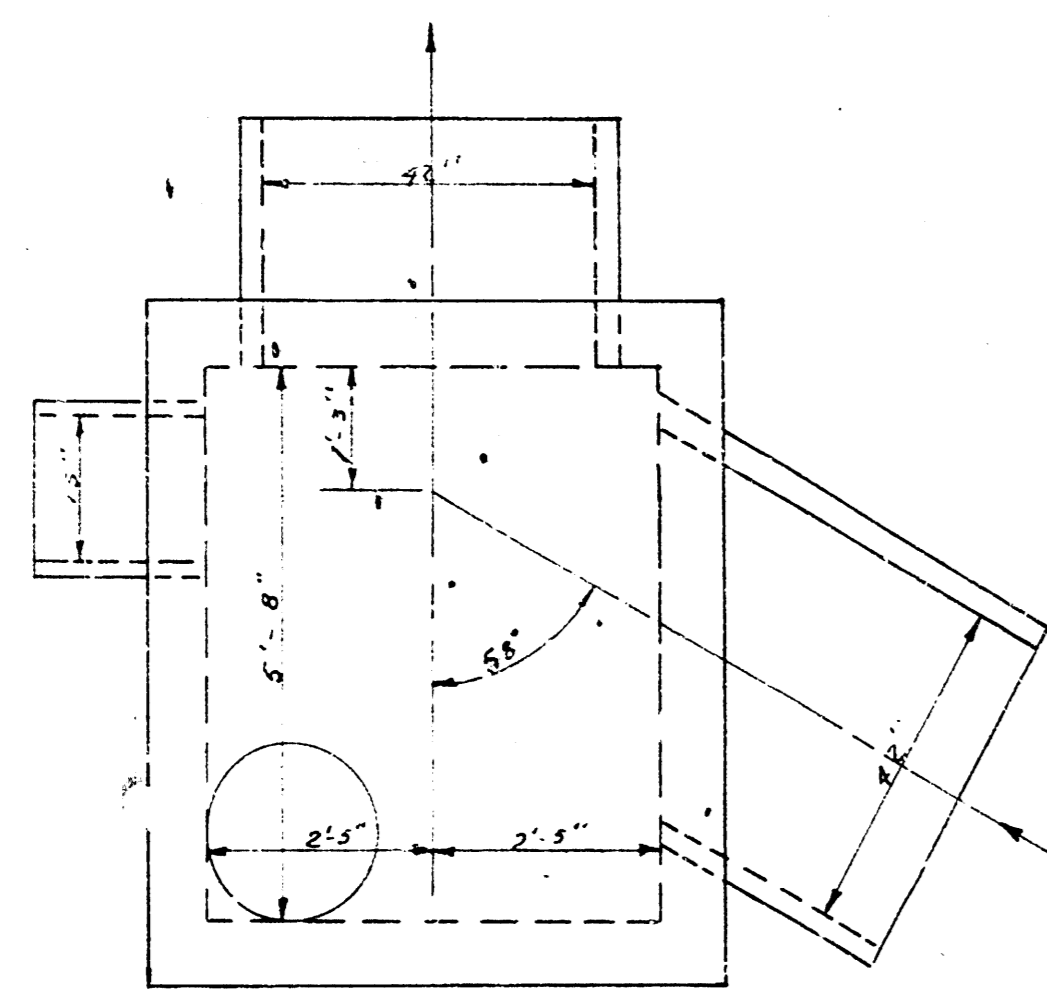
Note:-
Concrete for manholes shall contain not less than 145 barrels of cement per cu yd. In no event shall the total water content exceed 425 gals. per sack of cement. The mixture of fine & coarse aggregate shall be such as will produce a maximum density of the most workable mixture.
In general, pipes will enter from the manholes at various positions, where possible bend bars around pipe. Where pipes are large, use 1/2" bars as shown. Floors of manholes to be sloped for flow of drainage with concrete.
No deduction in concrete quantities shall be made for pipe openings.
No additions in concrete quantities shall be made for shaping floor of manholes.
Internal vibrator to be used for placing concrete.

17
18

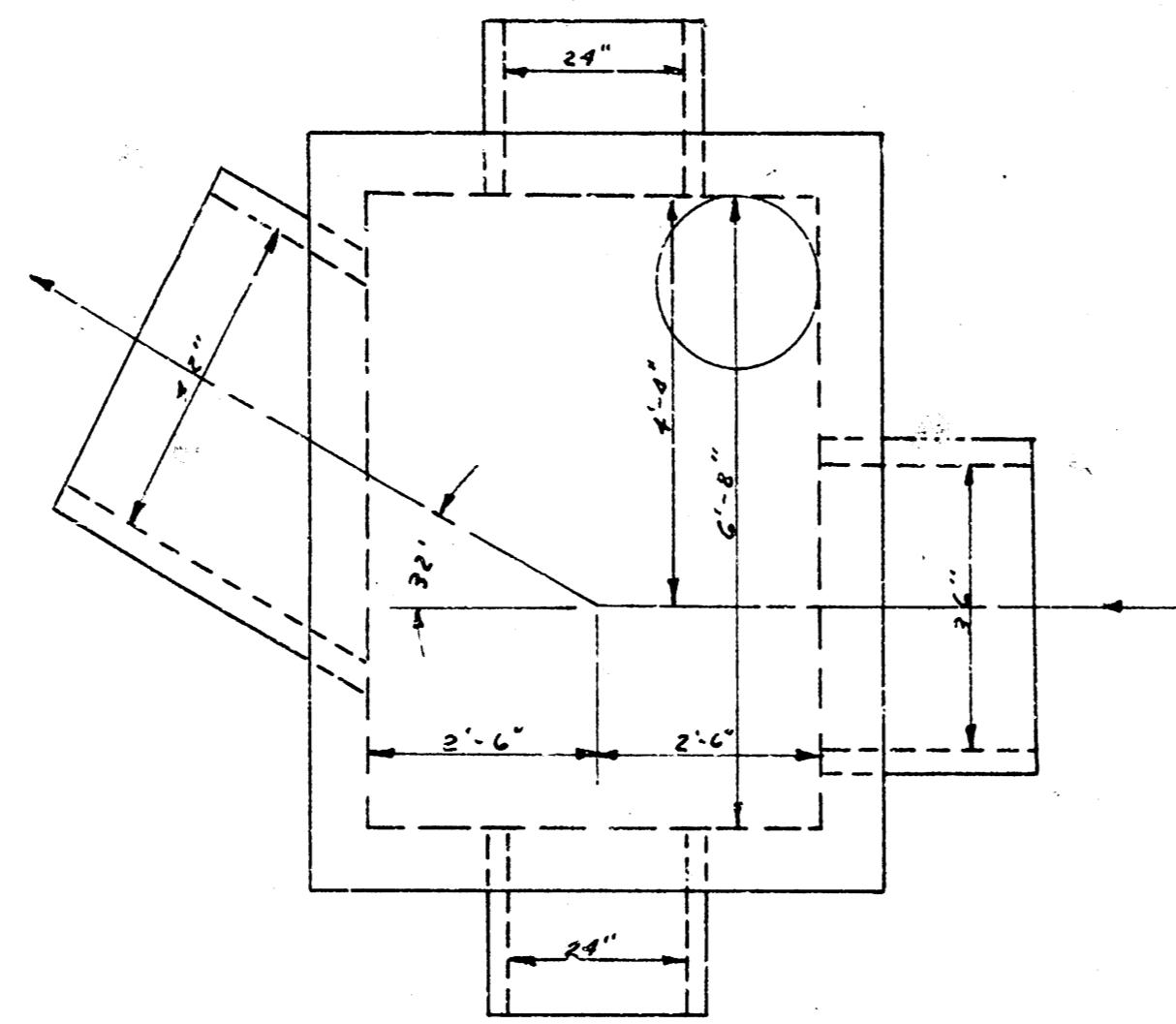


STORM SEWER #38
WICHITA, KANSAS

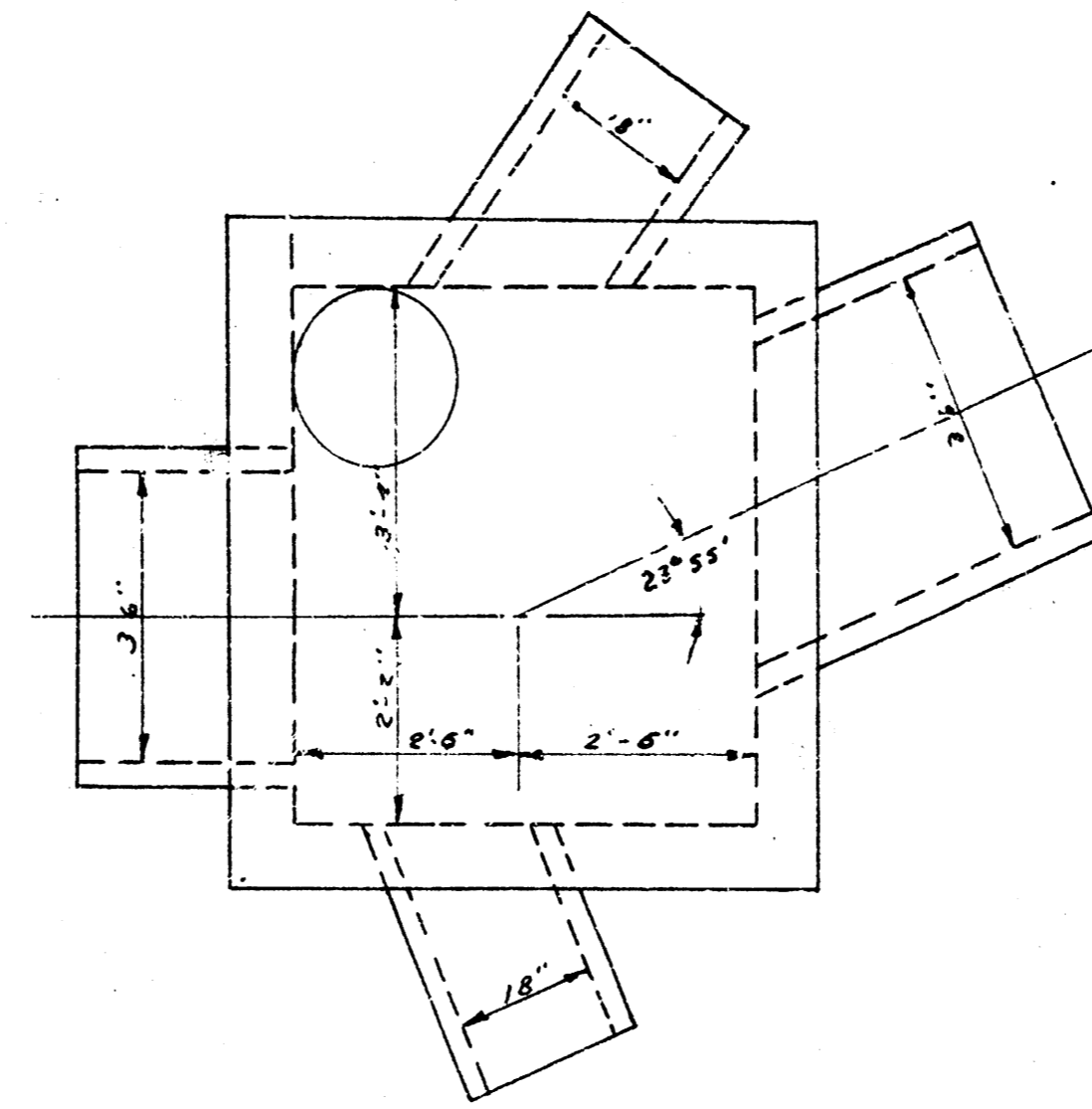
17
18



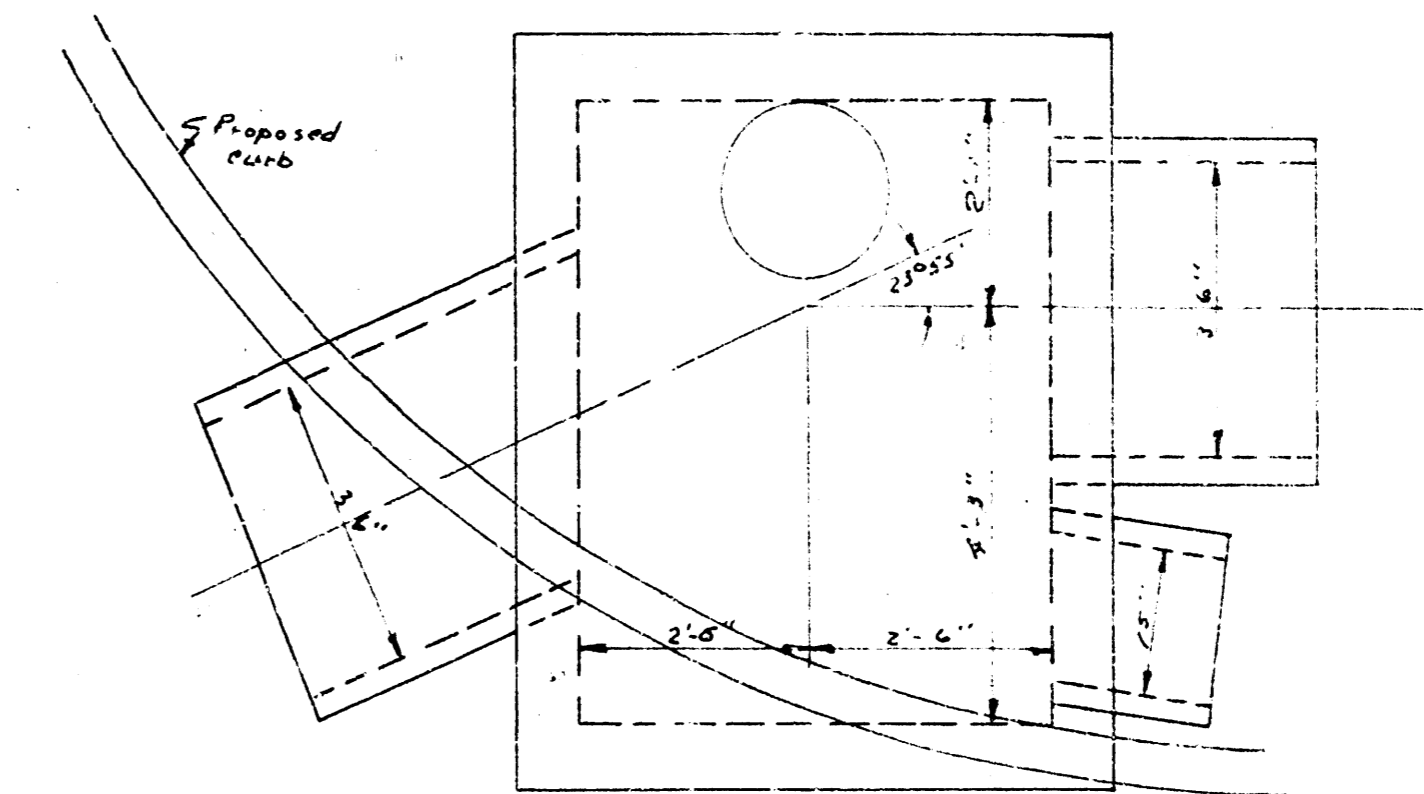
Layout Manhole Sta. 18+06.7



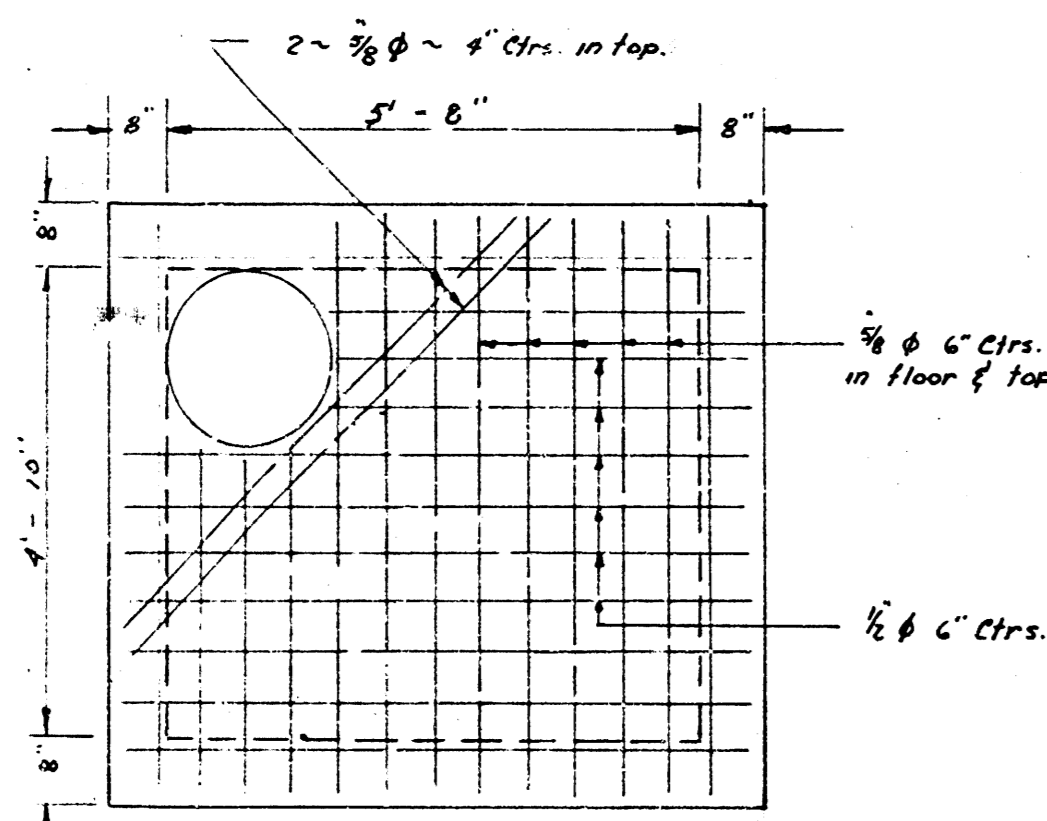
Layout Manhole Sta. 18+33.9



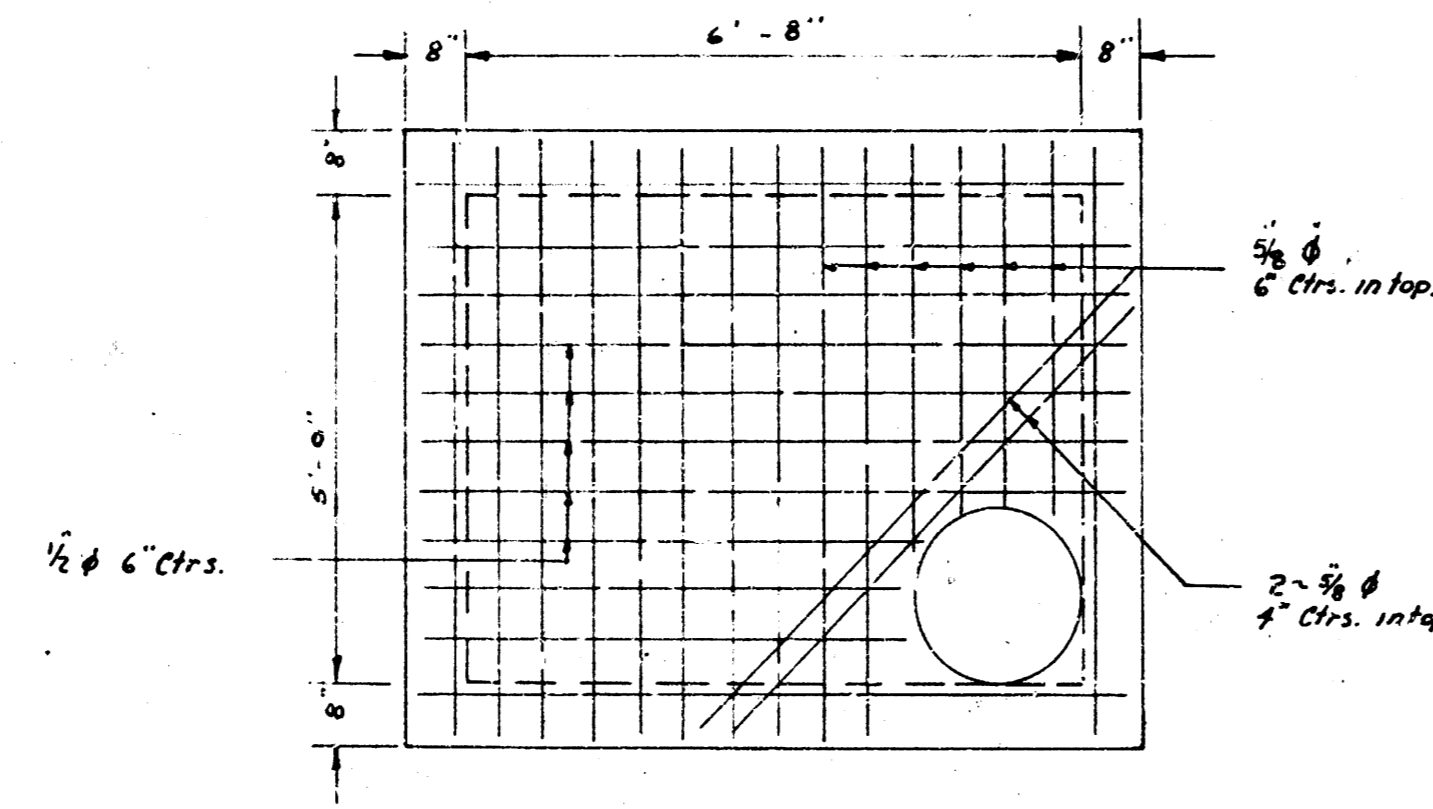
Layout Manhole Sta. 24+51.35



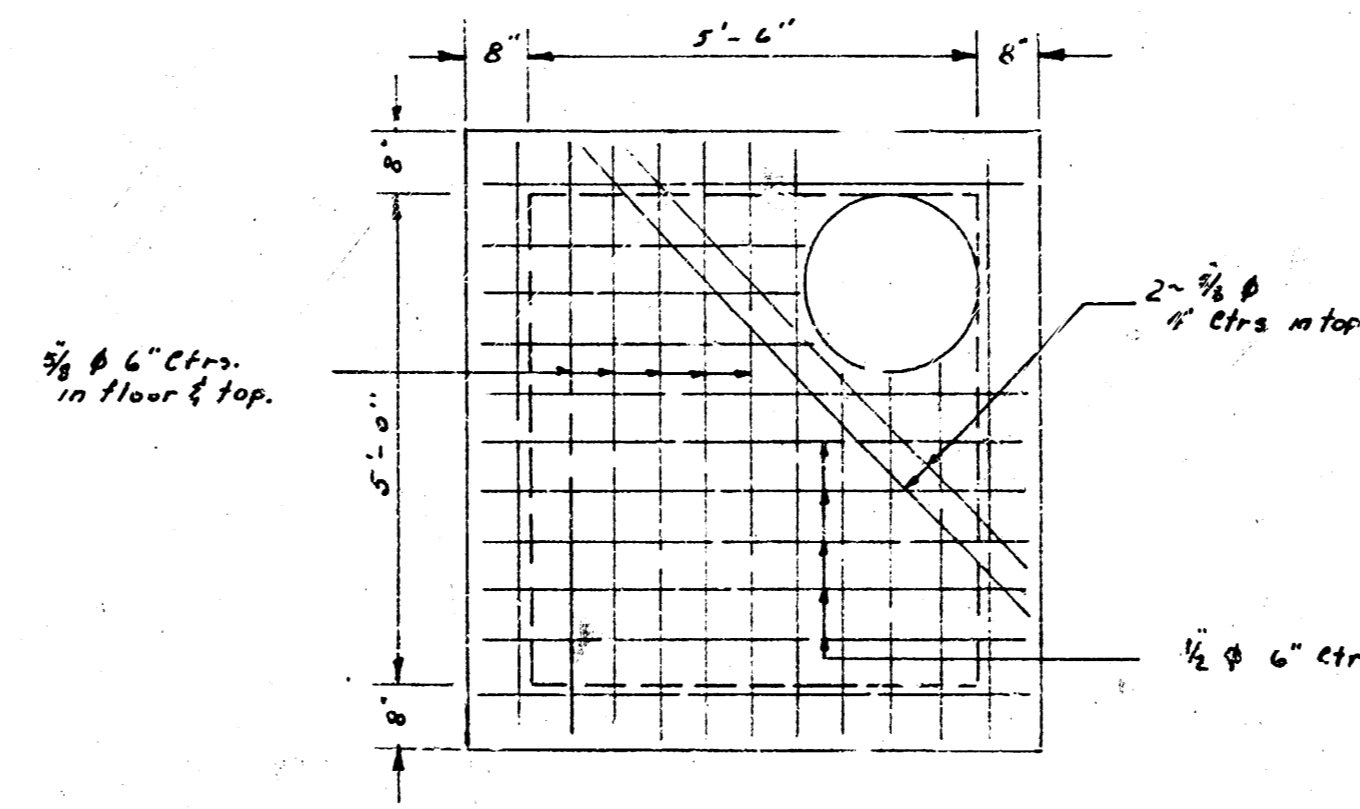
Layout Manhole Sta. 25+13.85



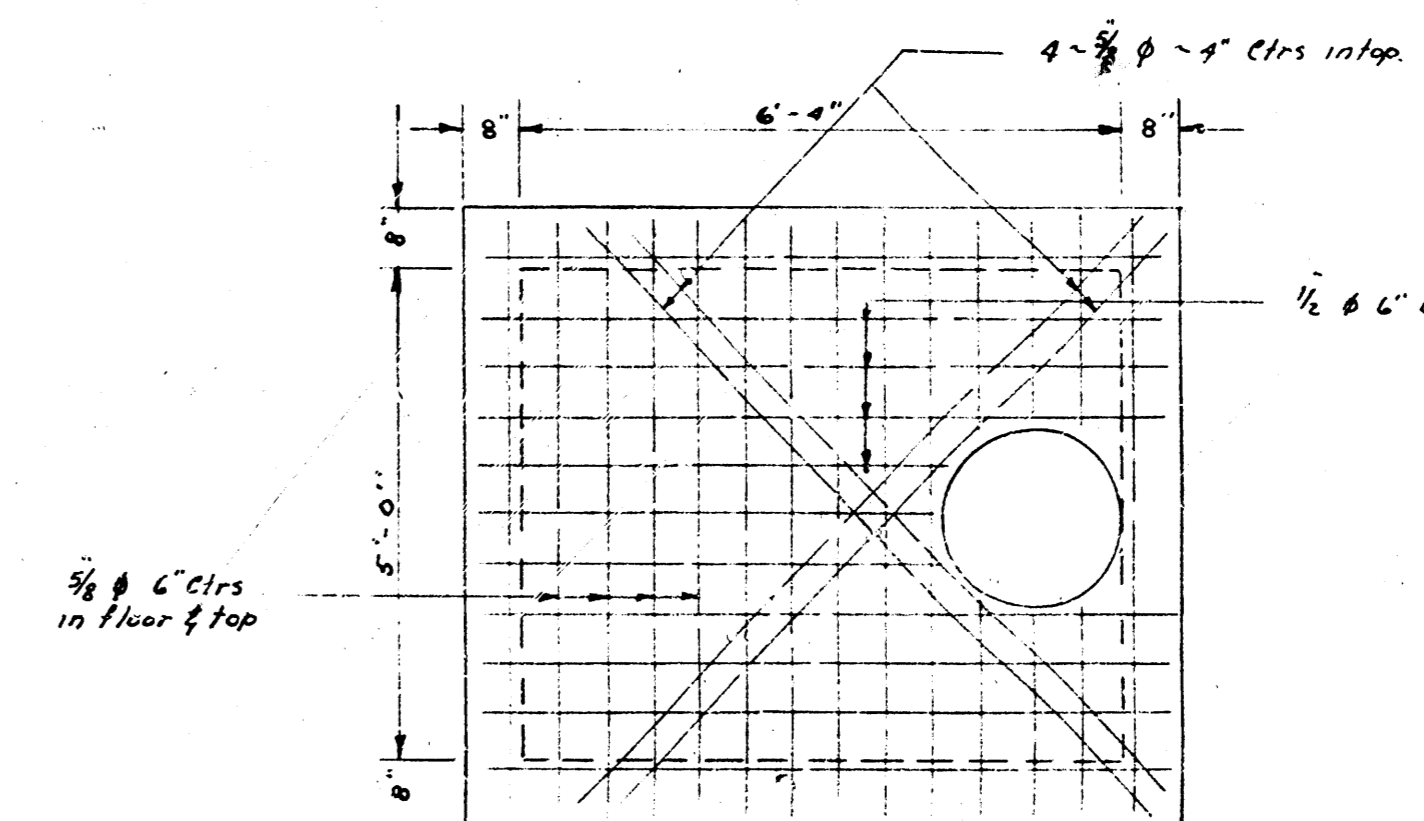
Plan
Showing Reinf. steel in floor of top.



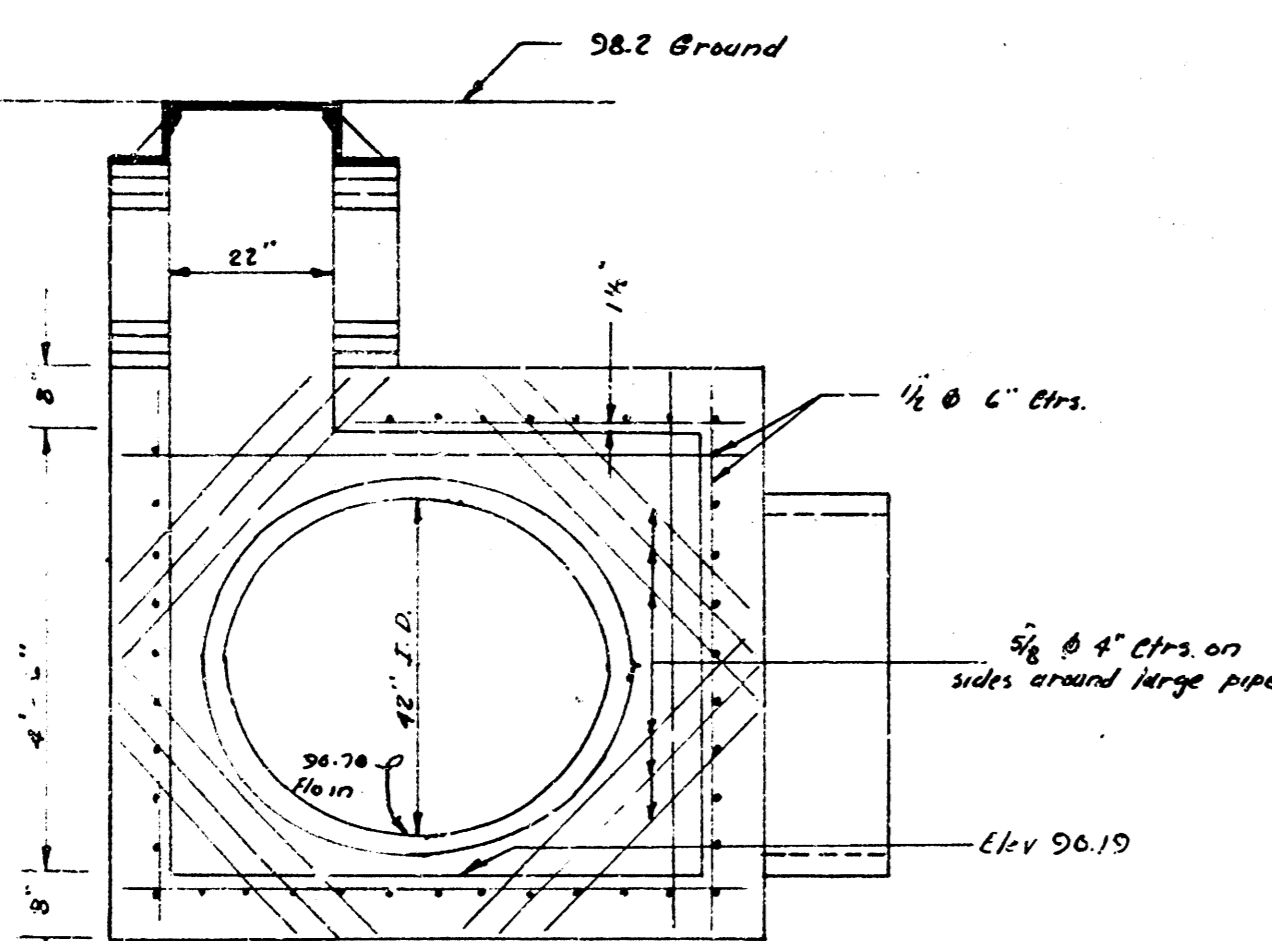
Plan
Showing Reinf. steel in floor of top.



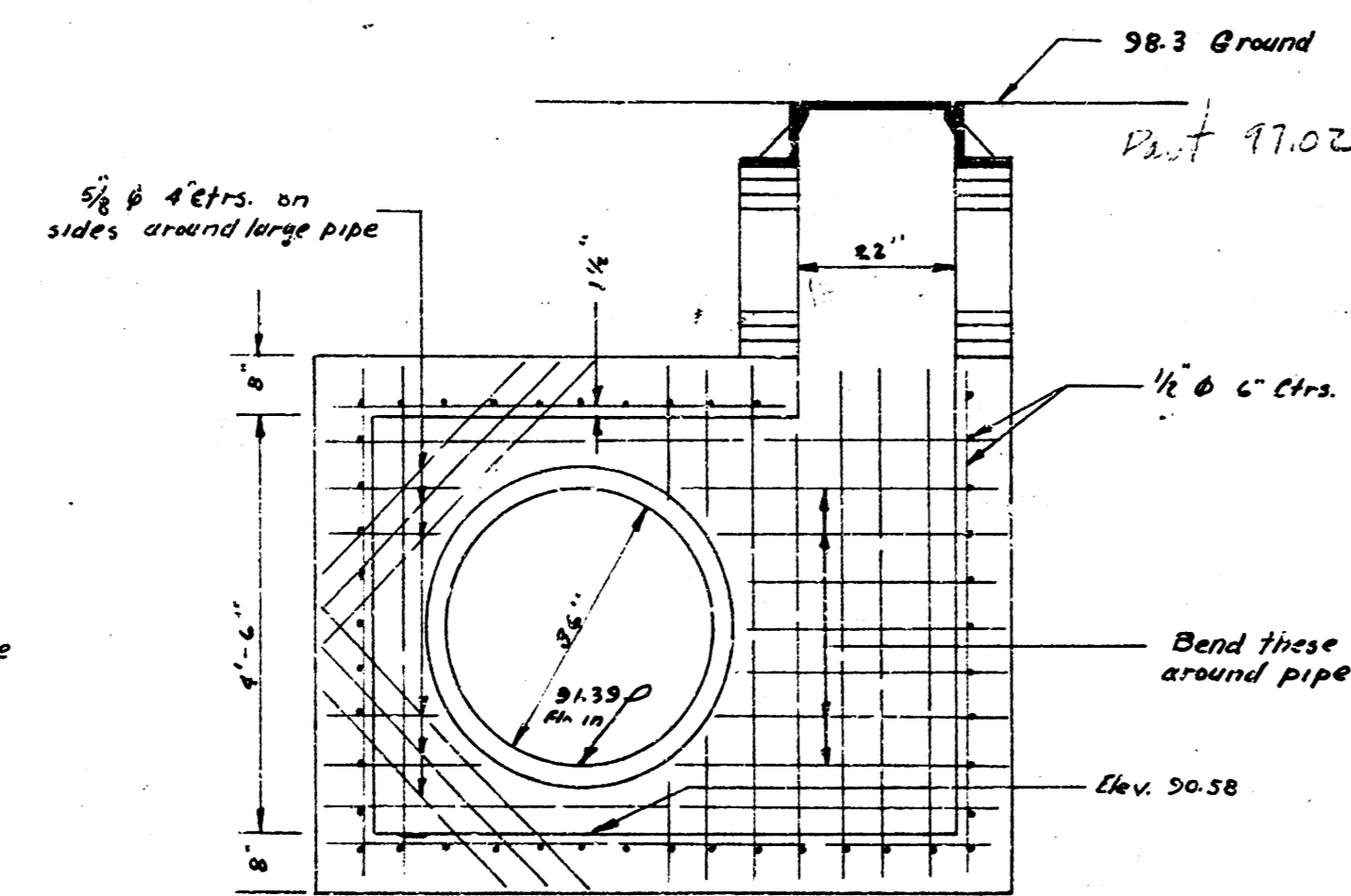
Plan
Showing Reinf. steel in floor of top.



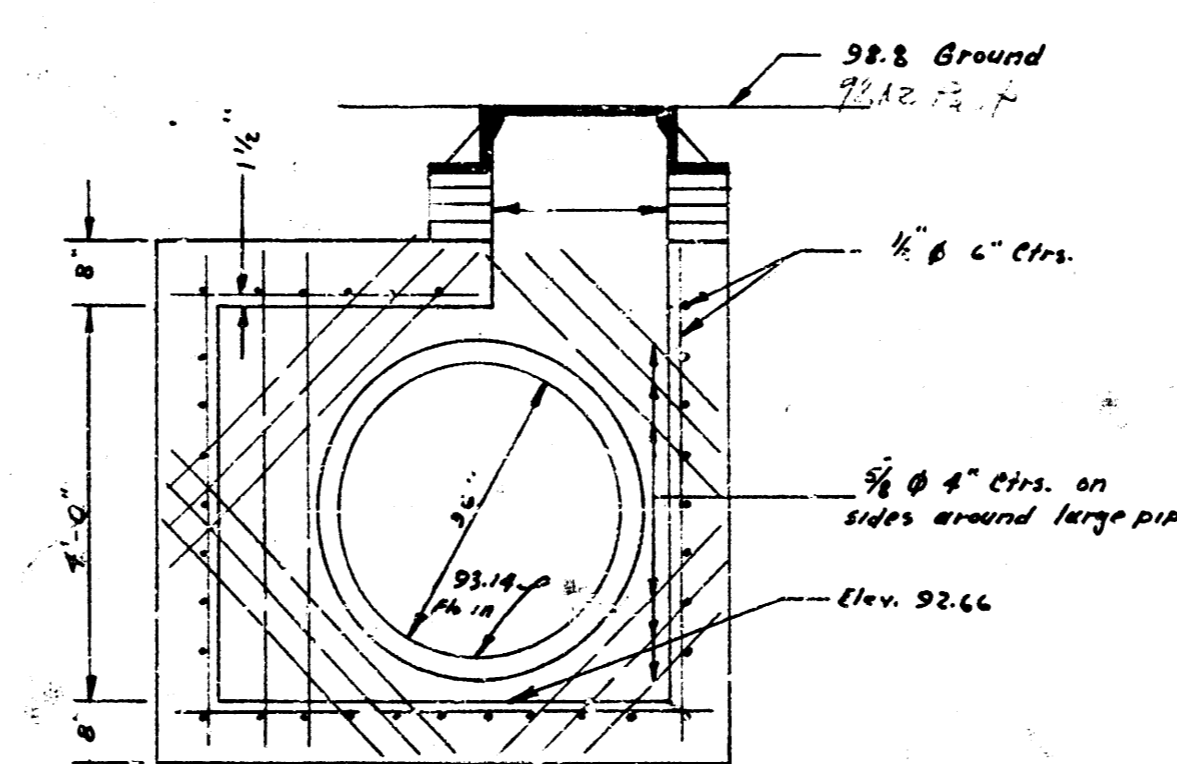
Plan
Showing Reinf. steel in floor of top.



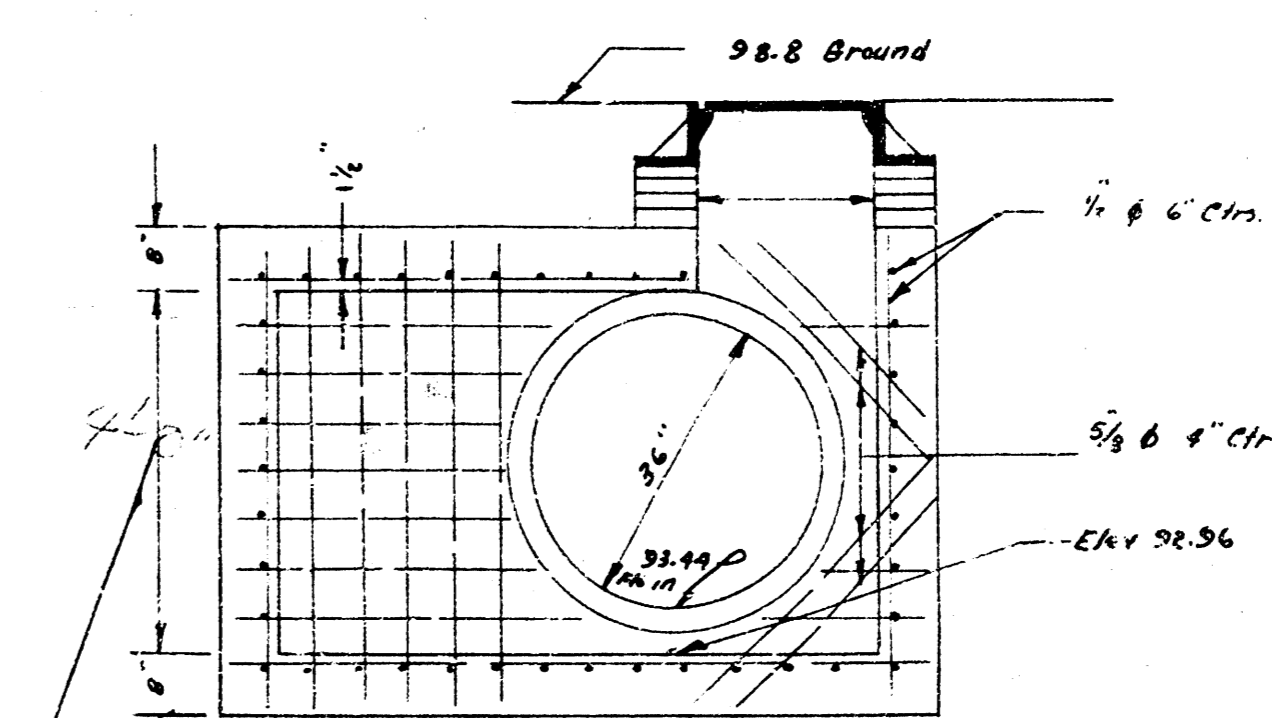
Elevation
Showing Reinf. steel in walls.



Elevation
Showing Reinf. steel in walls.



Elevation
Showing Reinf. steel in walls.



Elevation
Showing Reinf. steel in walls.

Hold this dimension to a minimum so top of box will be below proposed pipe.