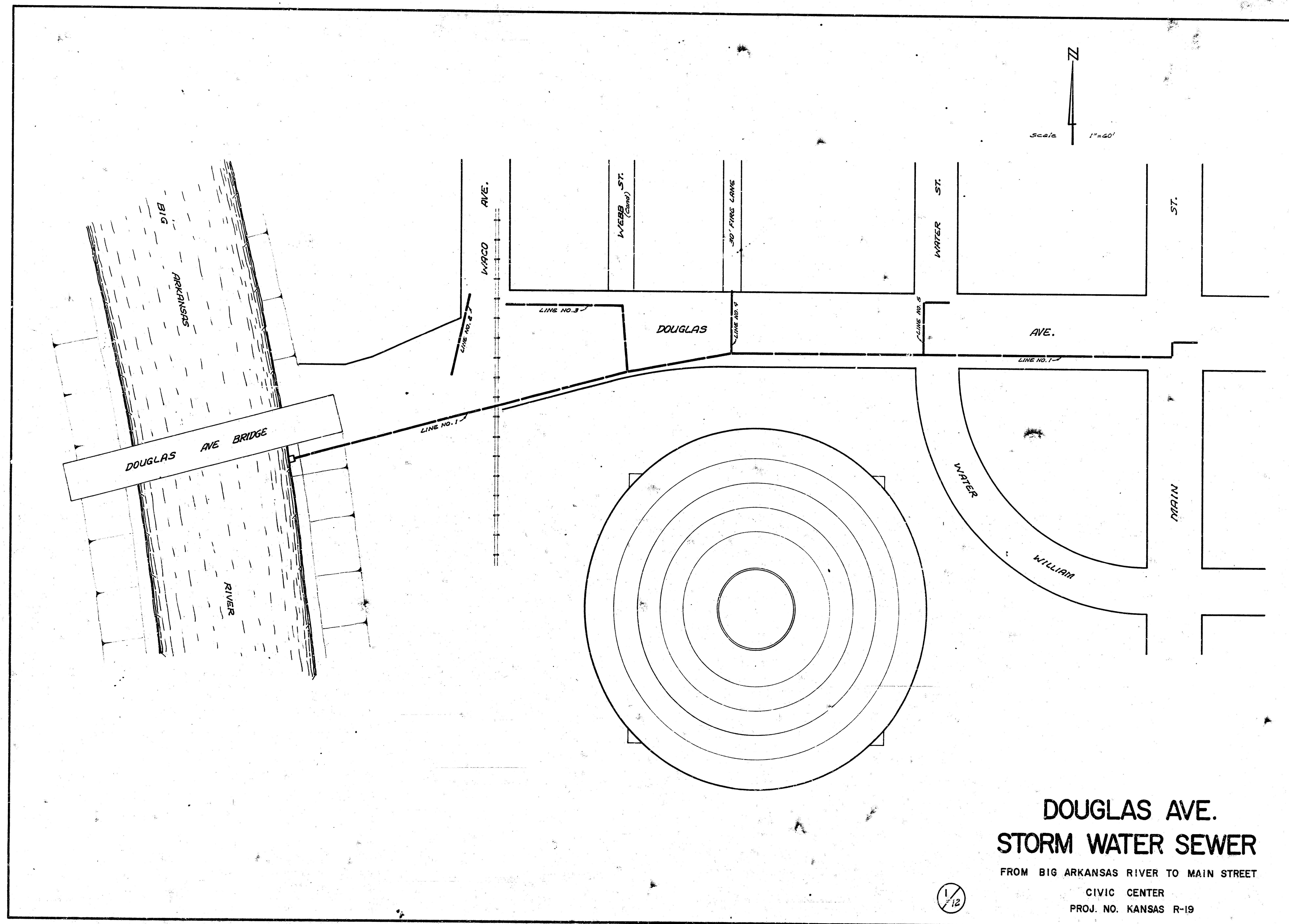
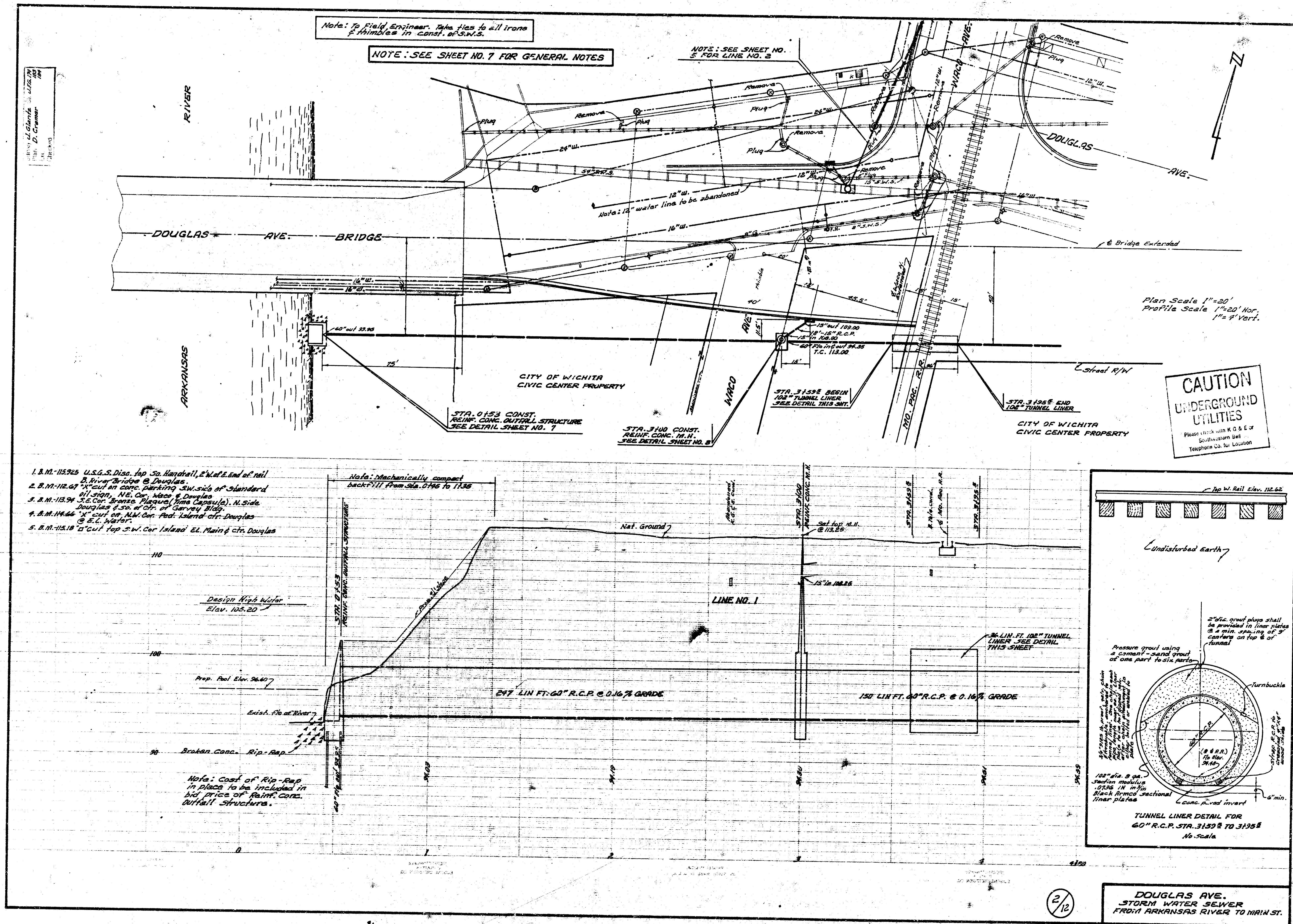
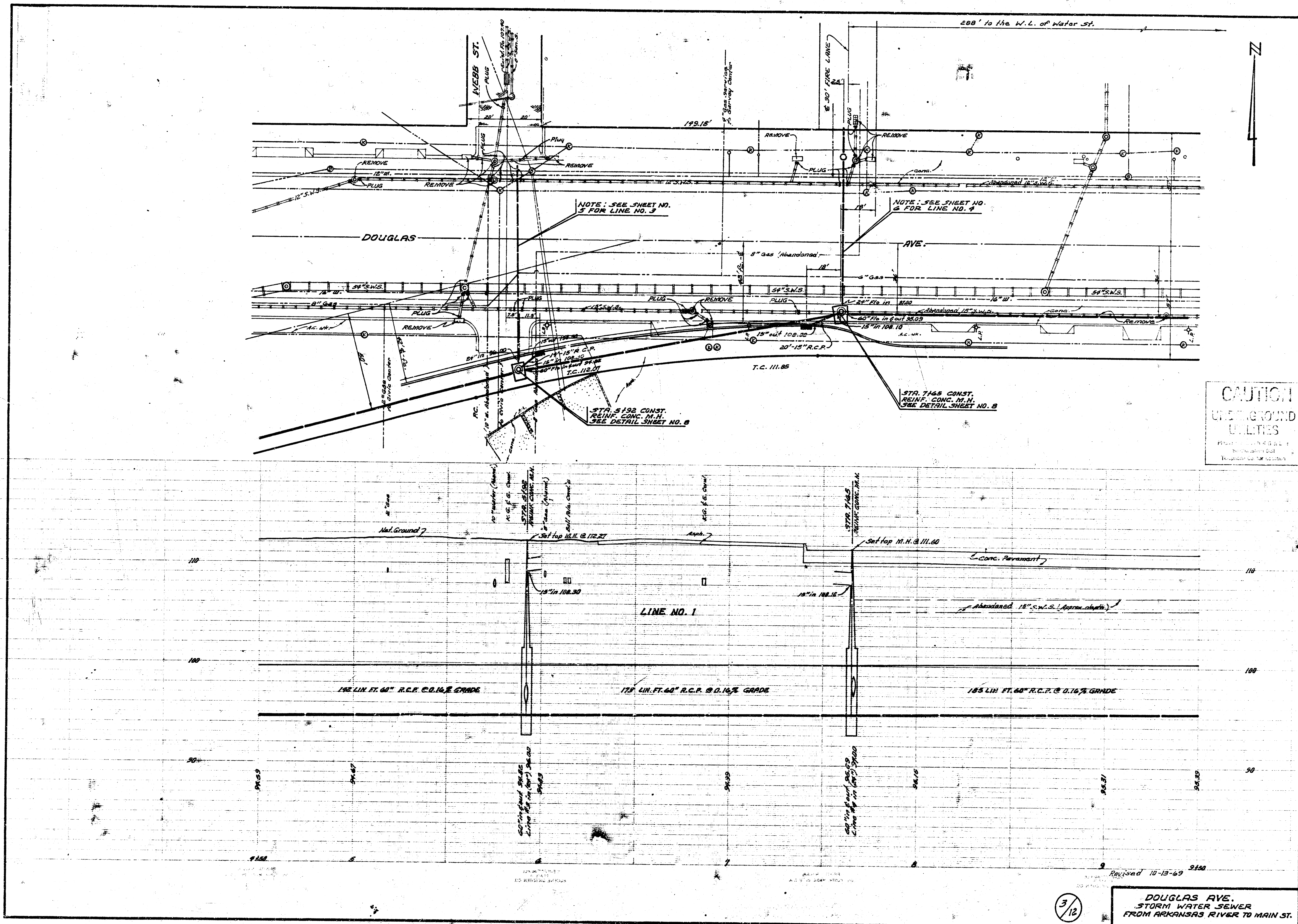






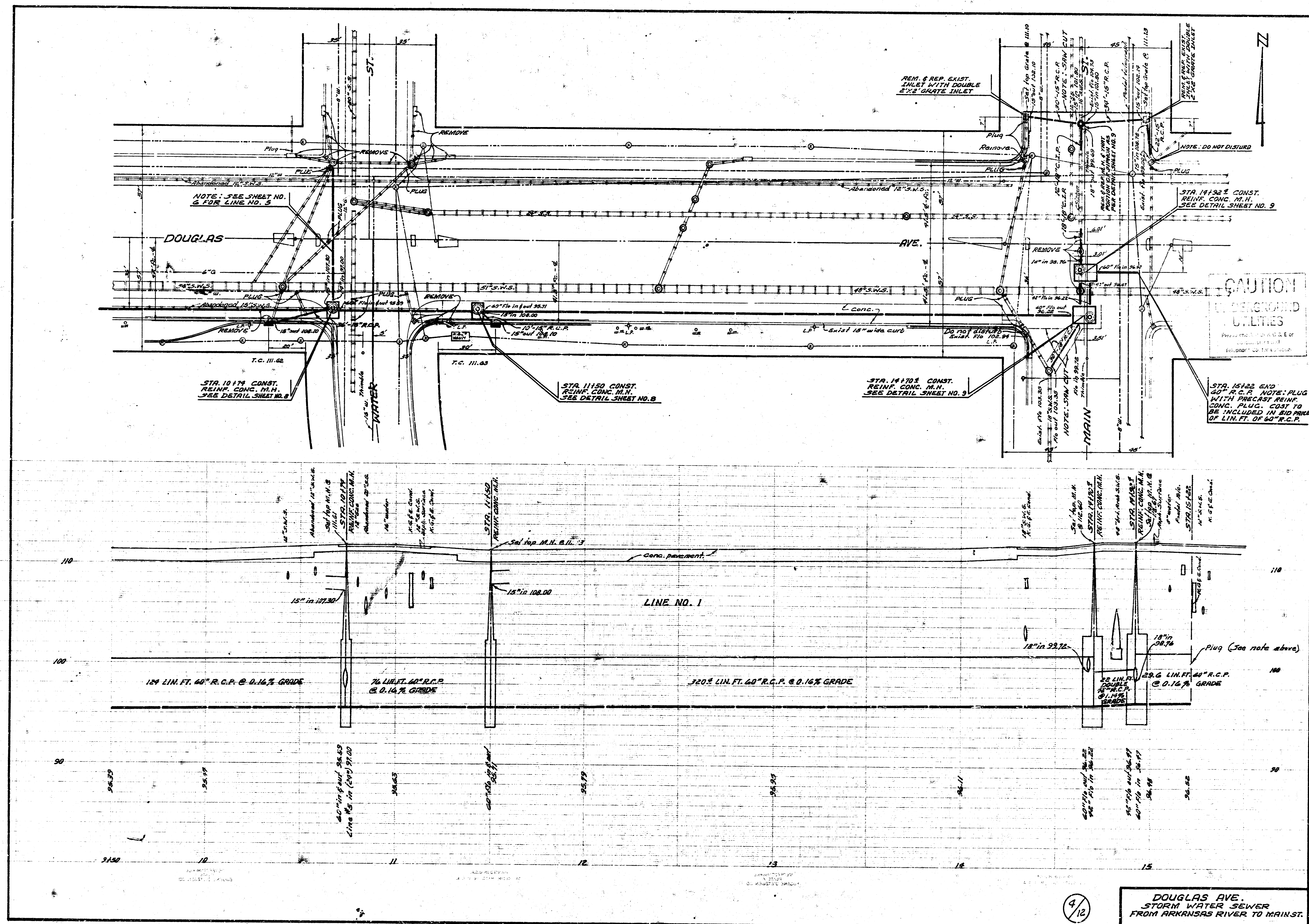


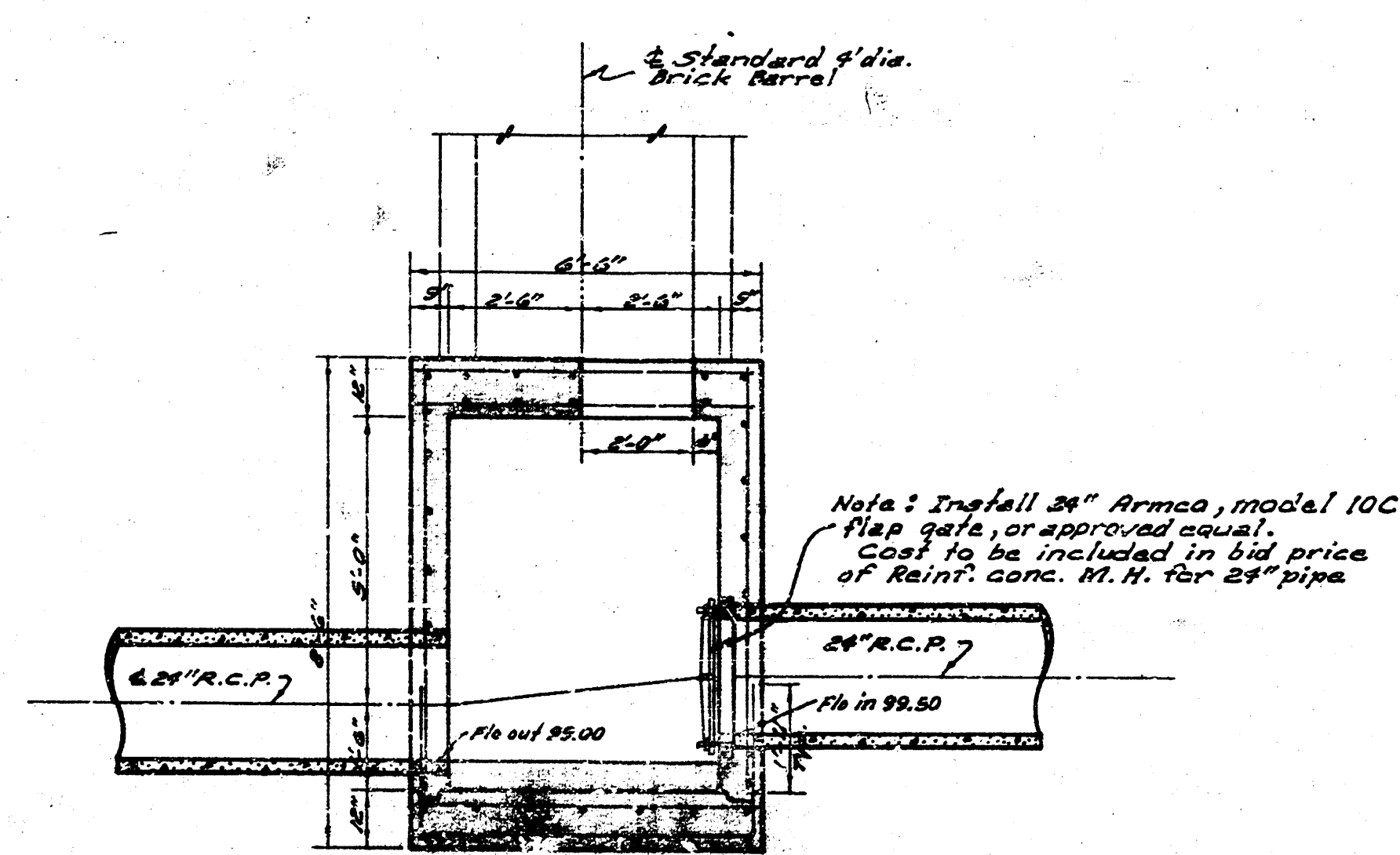
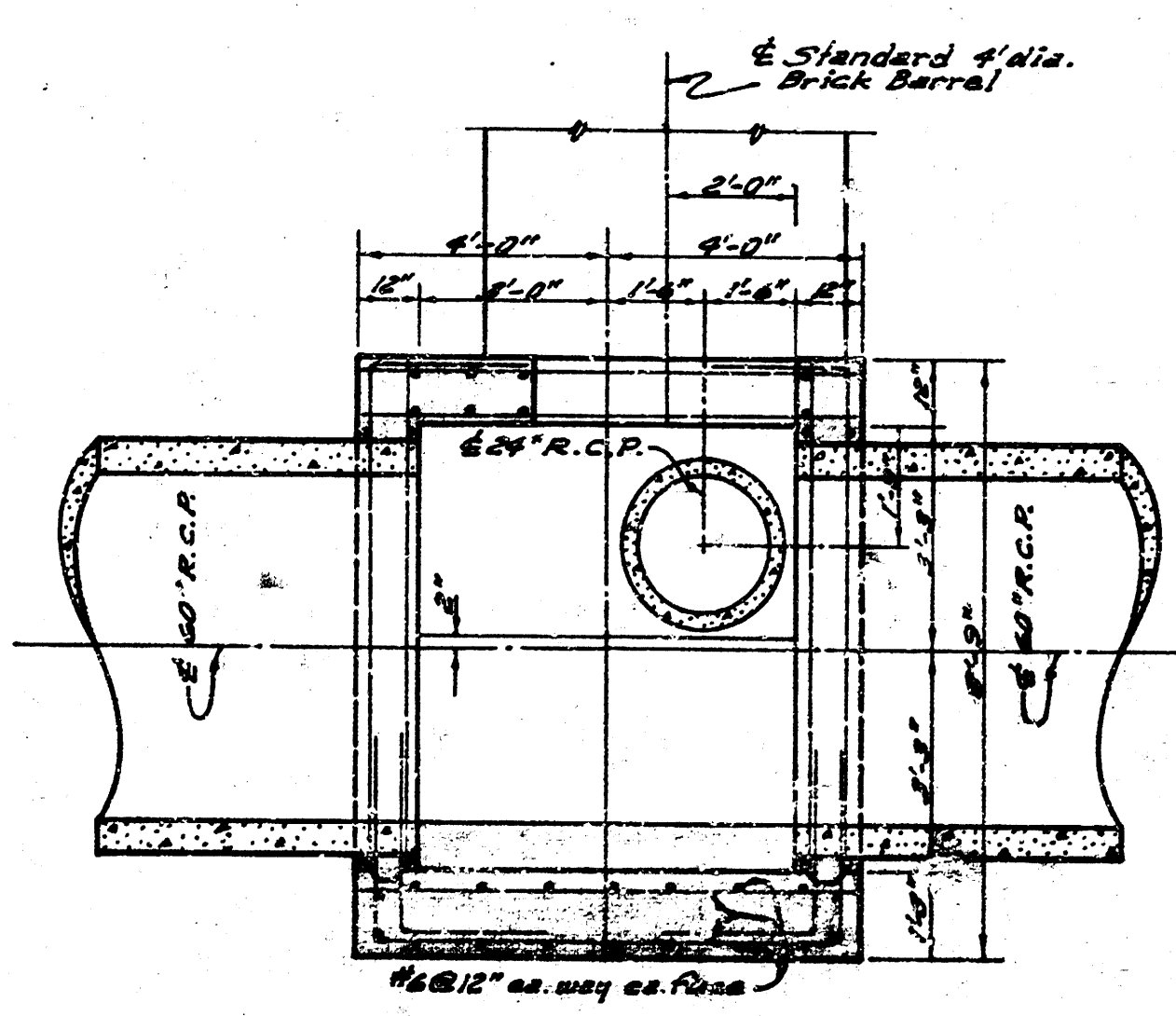
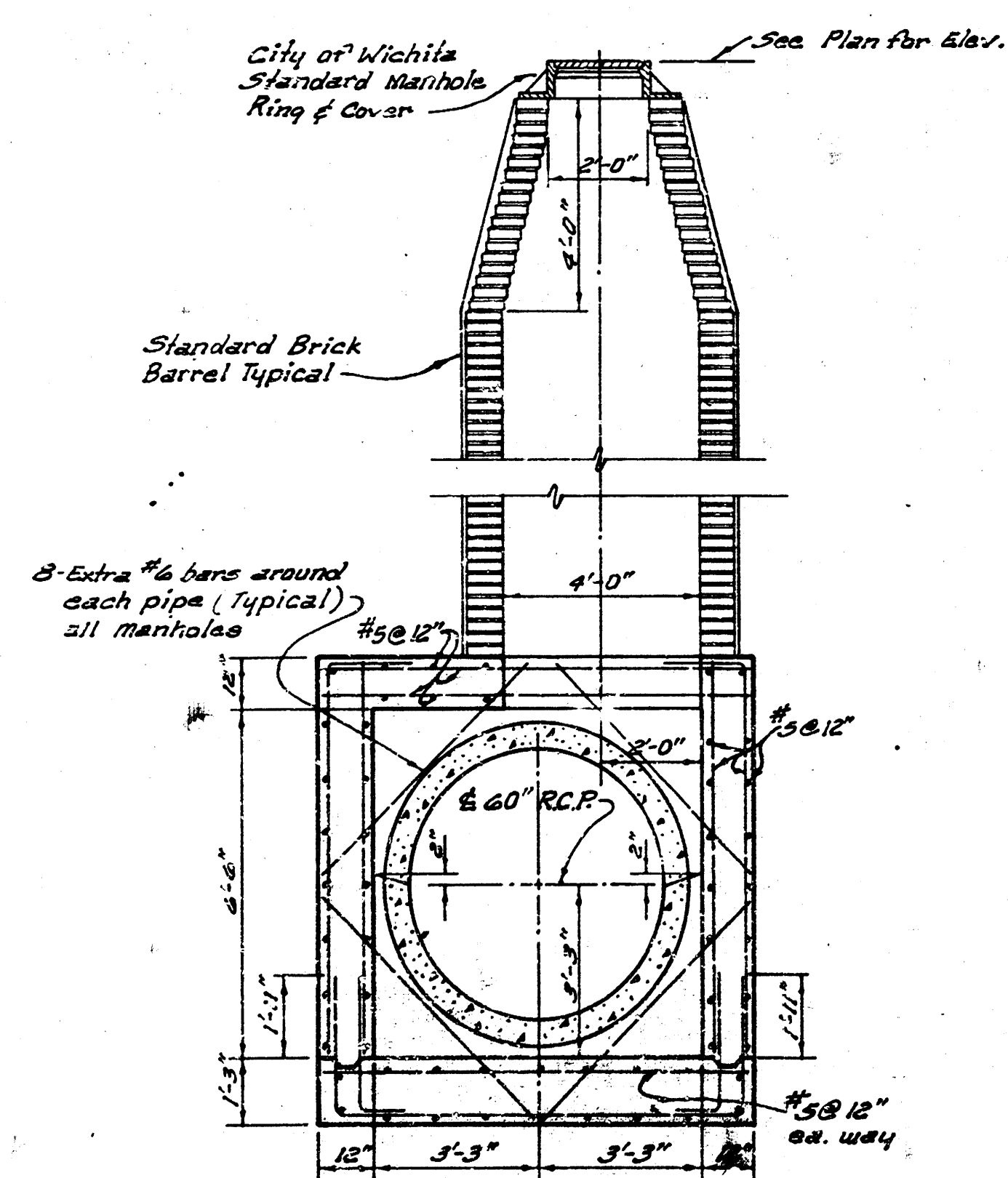
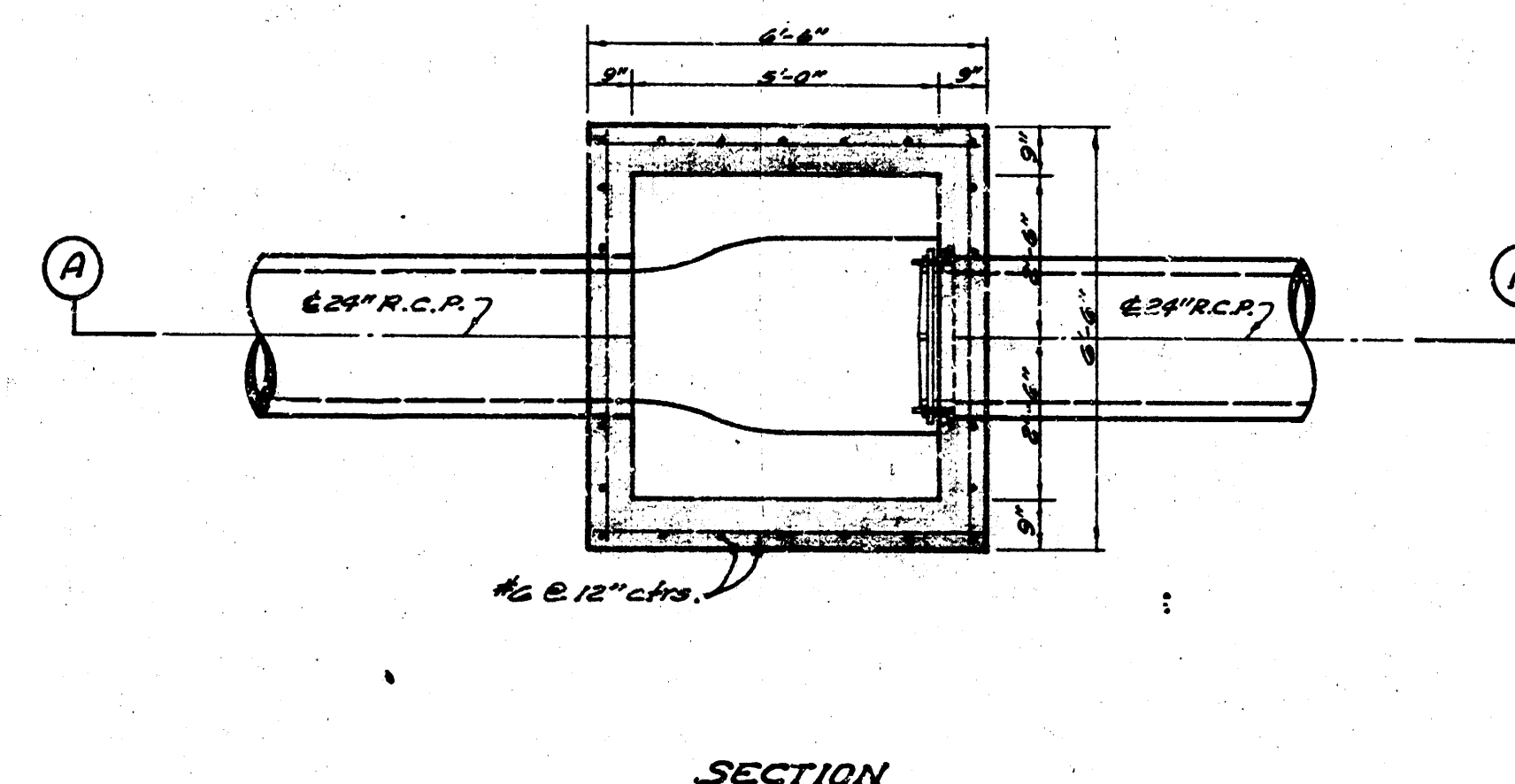
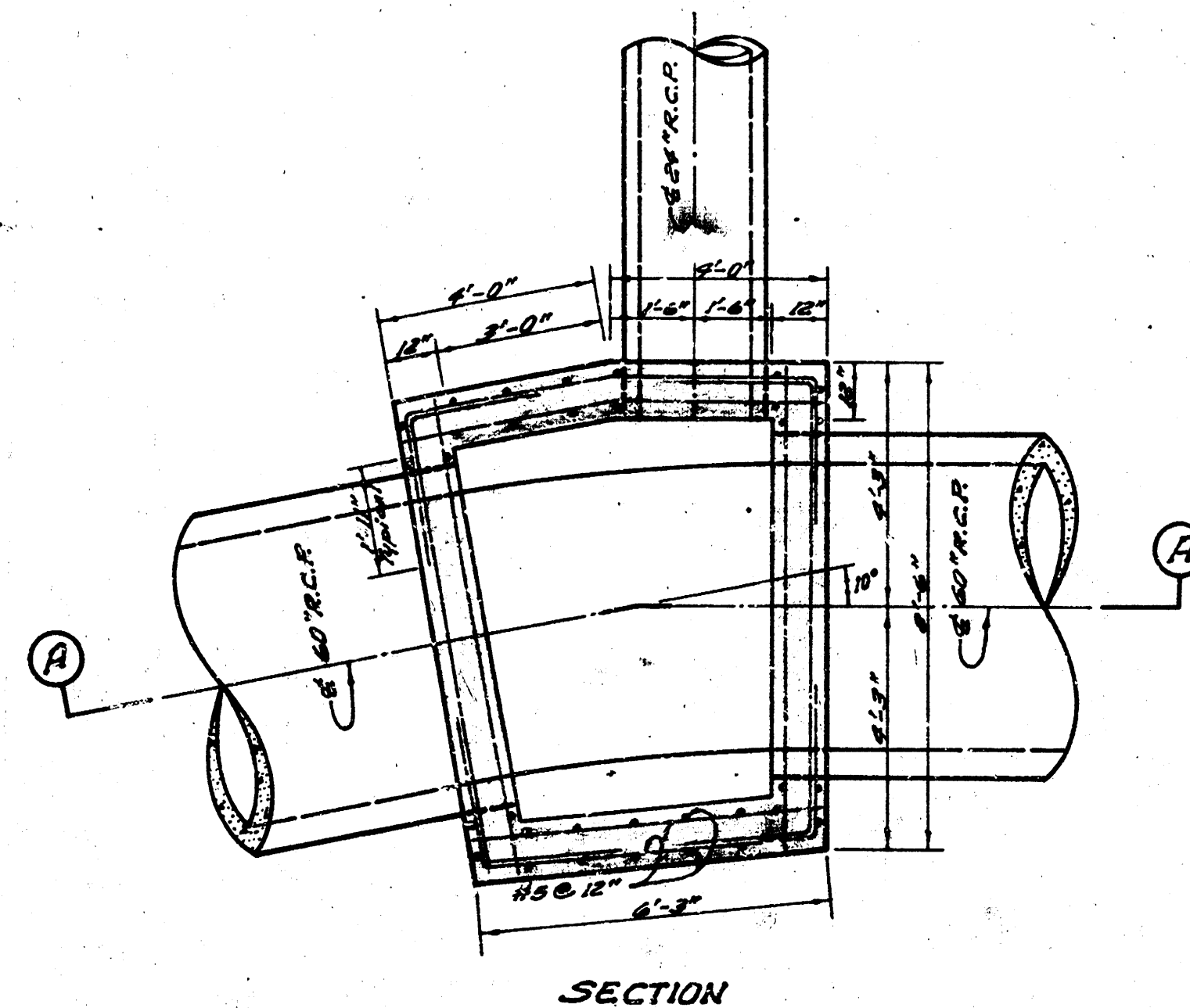
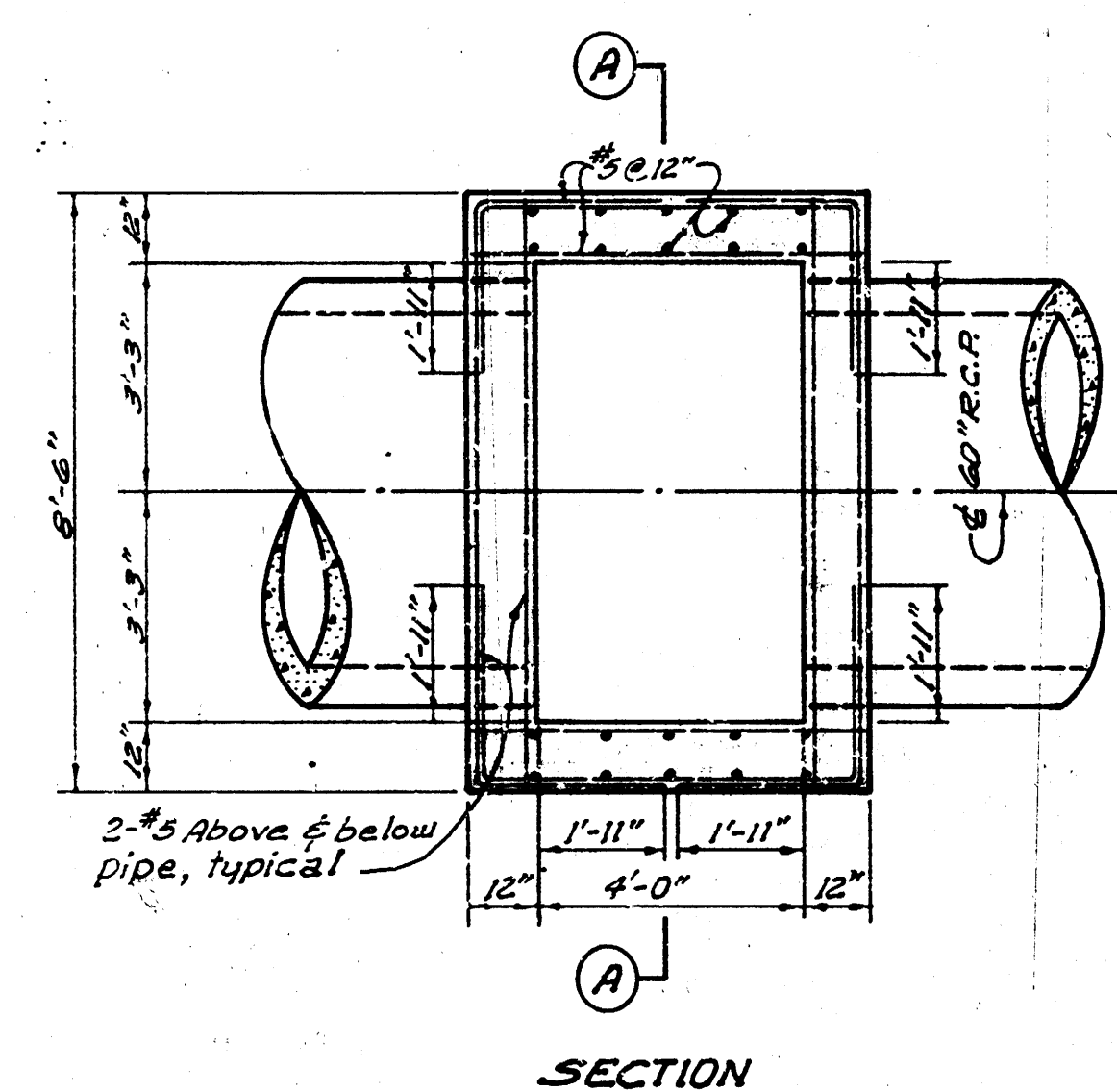
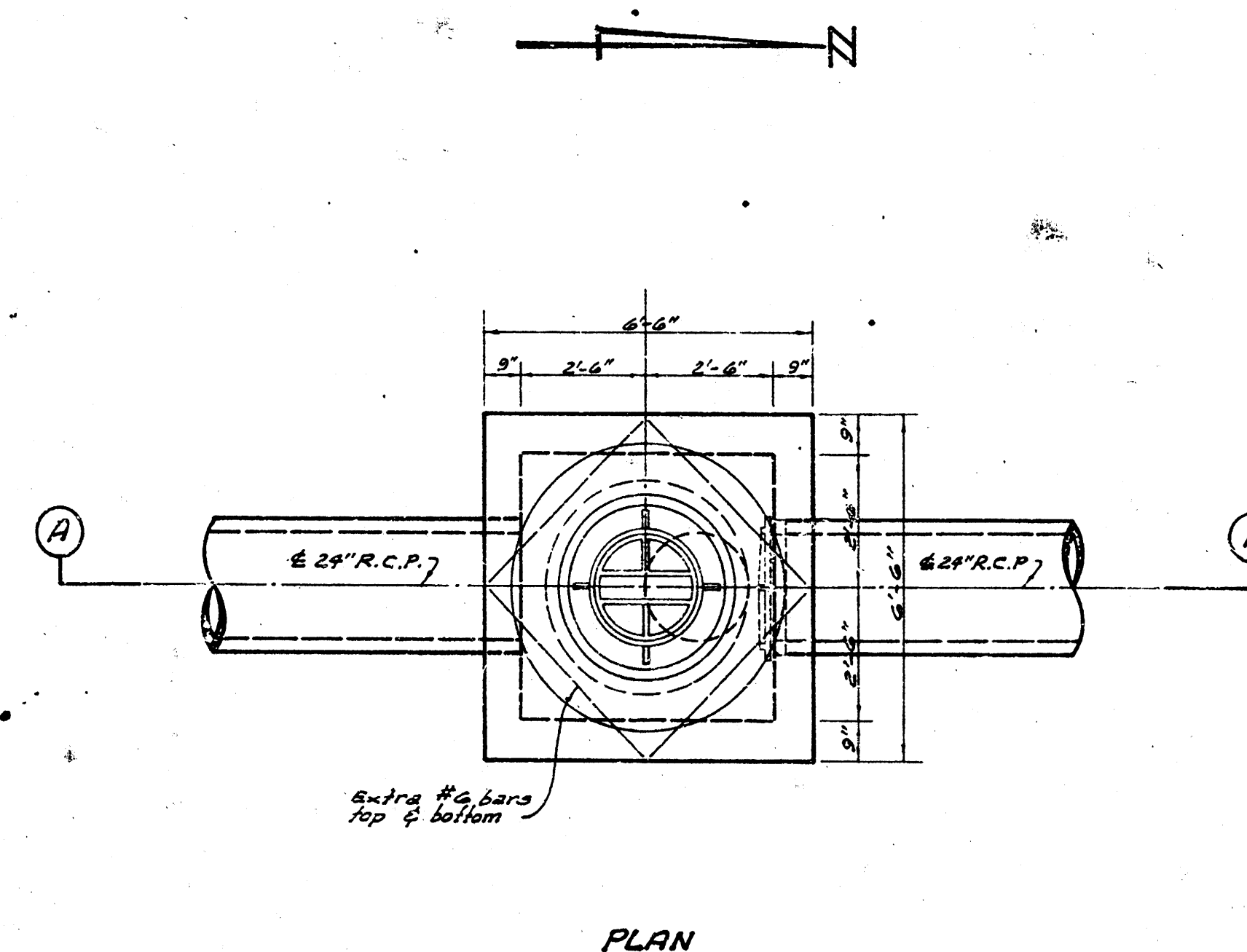
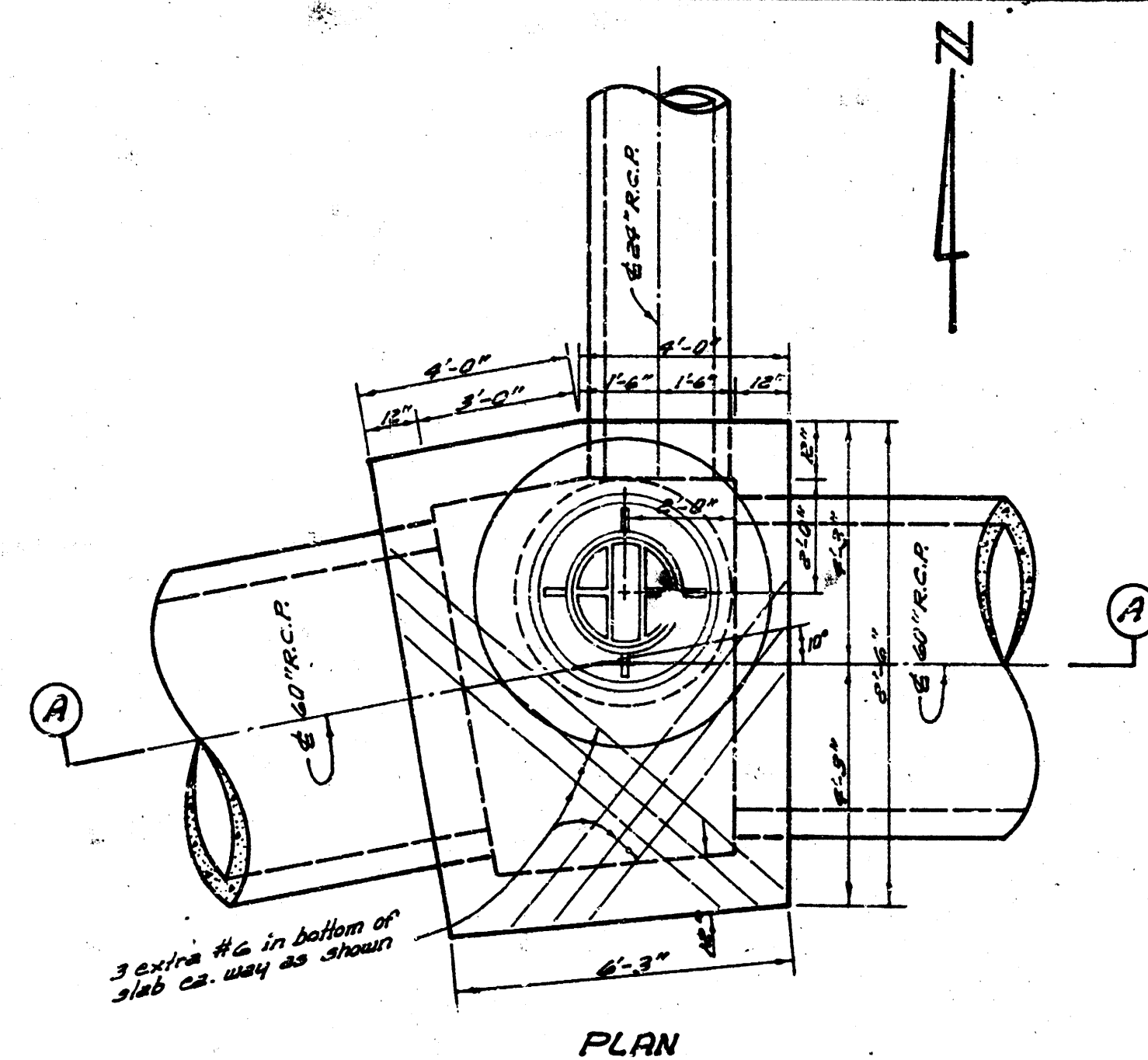
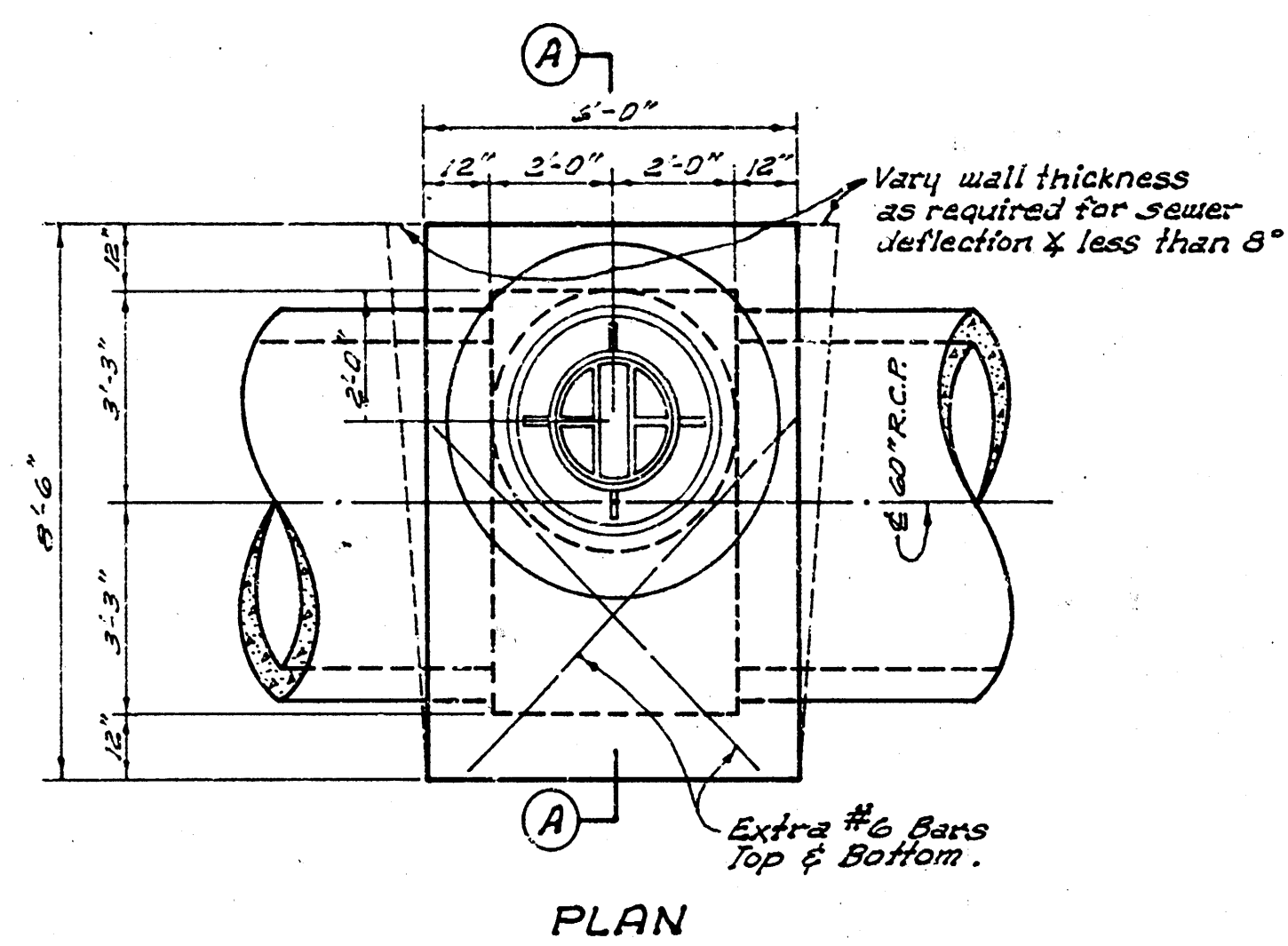
CAUTION
UNDERGROUND
UTILITIES

DOUGLAS AVE.
STORM WATER SEWER
FROM ARKANSAS RIVER TO MAIN ST.

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Revised 10-13-69





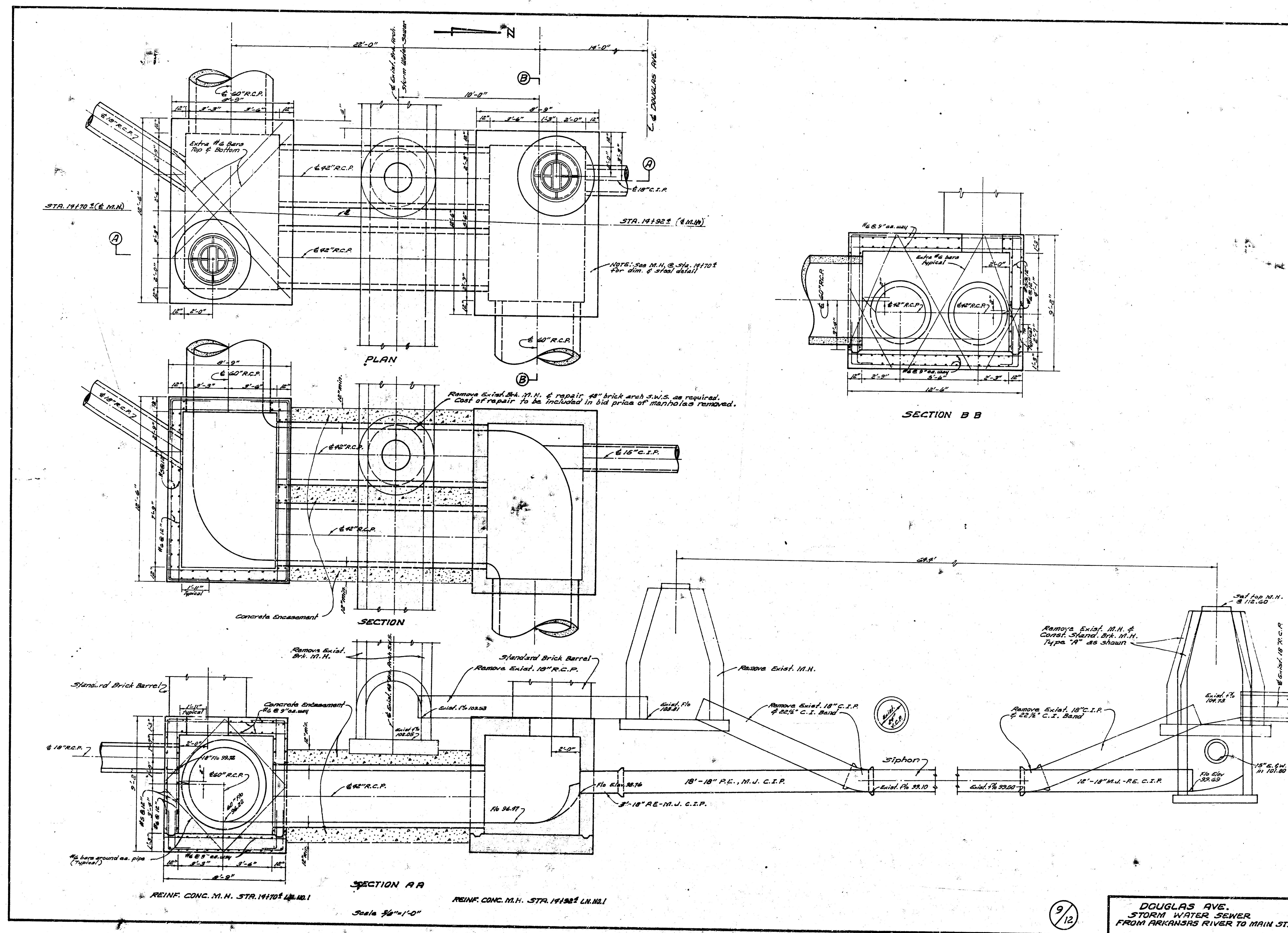
REINF. CONC. M.H. FOR STA. 3100, 5198, 10174 & 11150 LN. NO. 1
Scale 3/8"=1'-0"

REINF. CONC. M.H. FOR STA. 7165 LN. NO. 1
Scale 3/8"=1'-0"

REINF. CONC. M.H. FOR STA. 0180 LN. NO. 4
Scale 3/8"=1'-0"

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DOUGLAS AVE.
STORM WATER SEWER
FROM ARKANSAS RIVER TO MAIN ST.

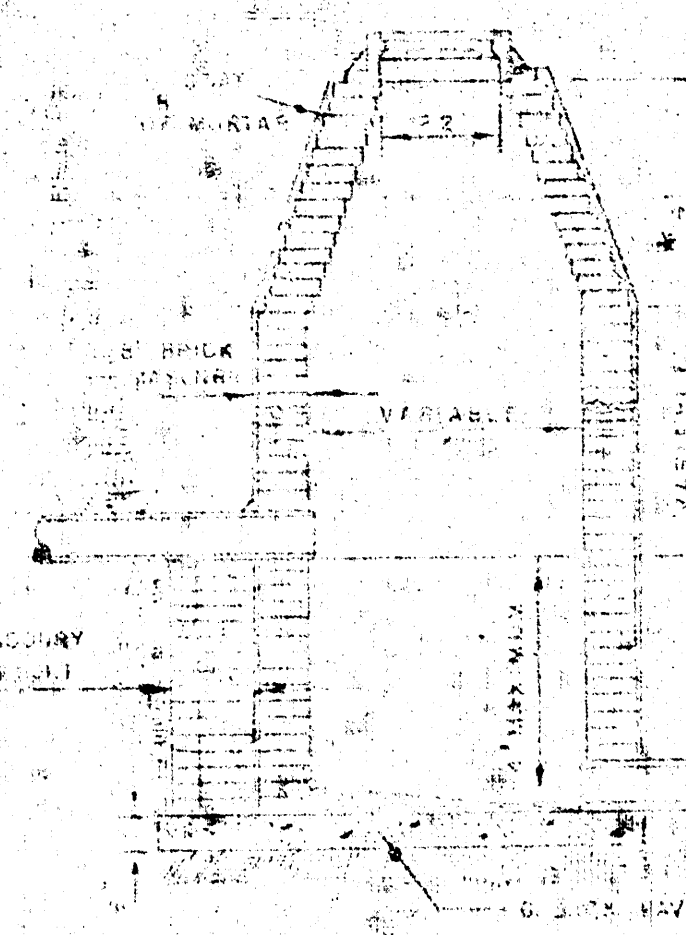




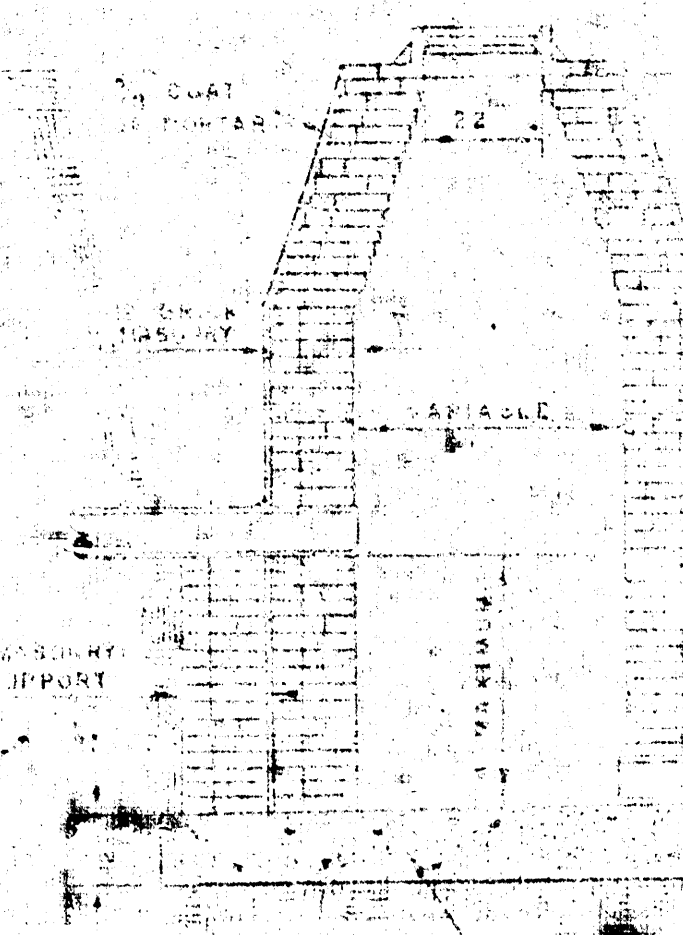
STANDARD MANHOLE
TYPE "A"



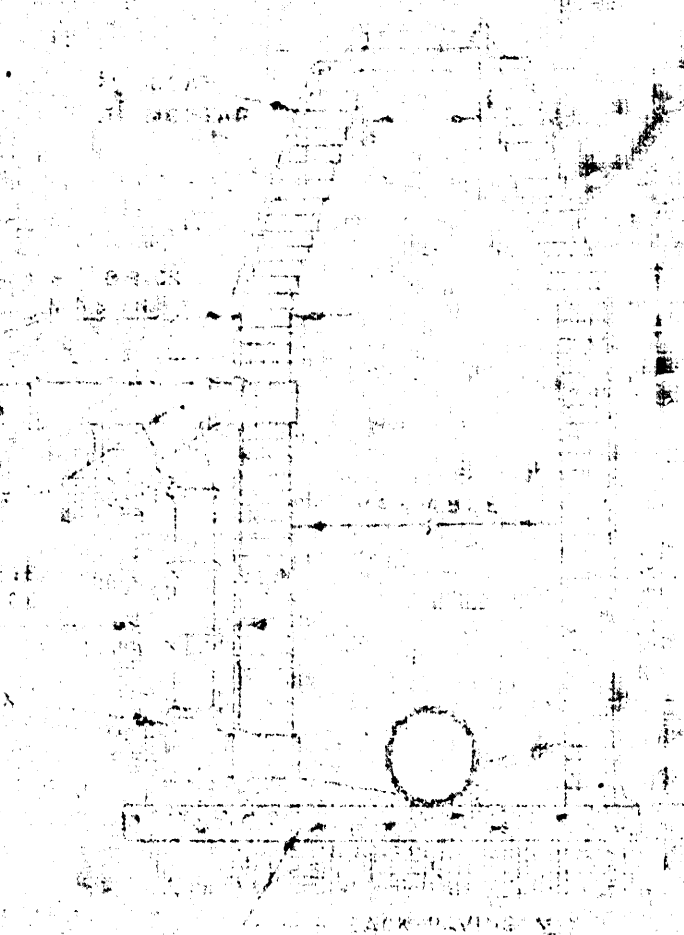
STANDARD MANHOLE
TYPE "B"



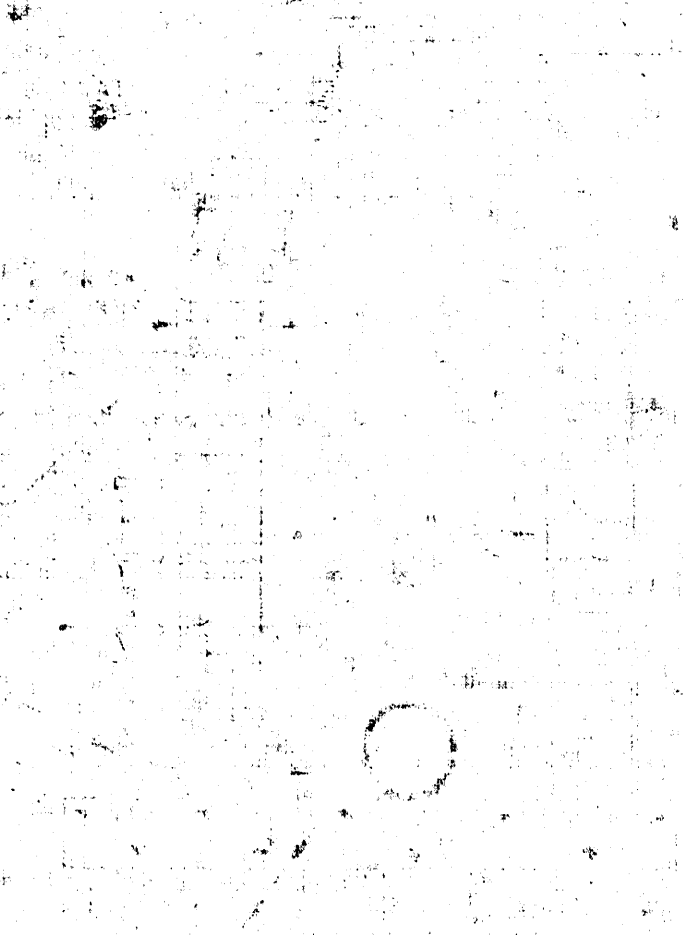
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

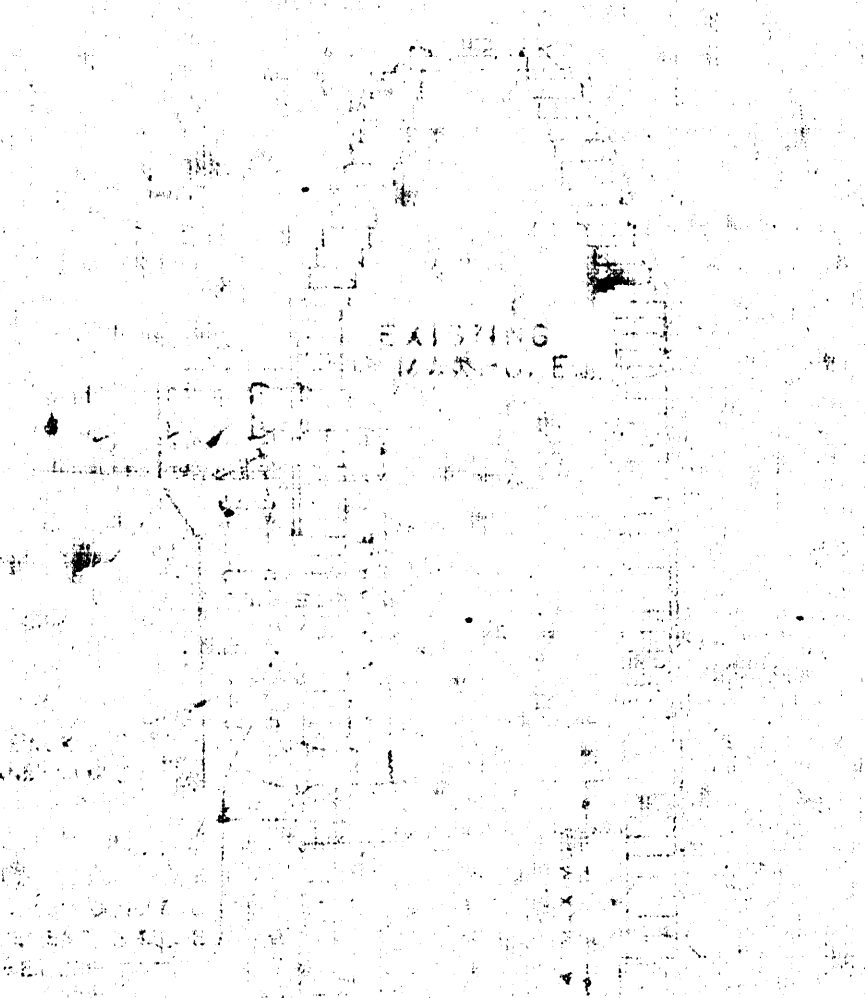


OUTSIDE DROP MANHOLE
TYPE "A"

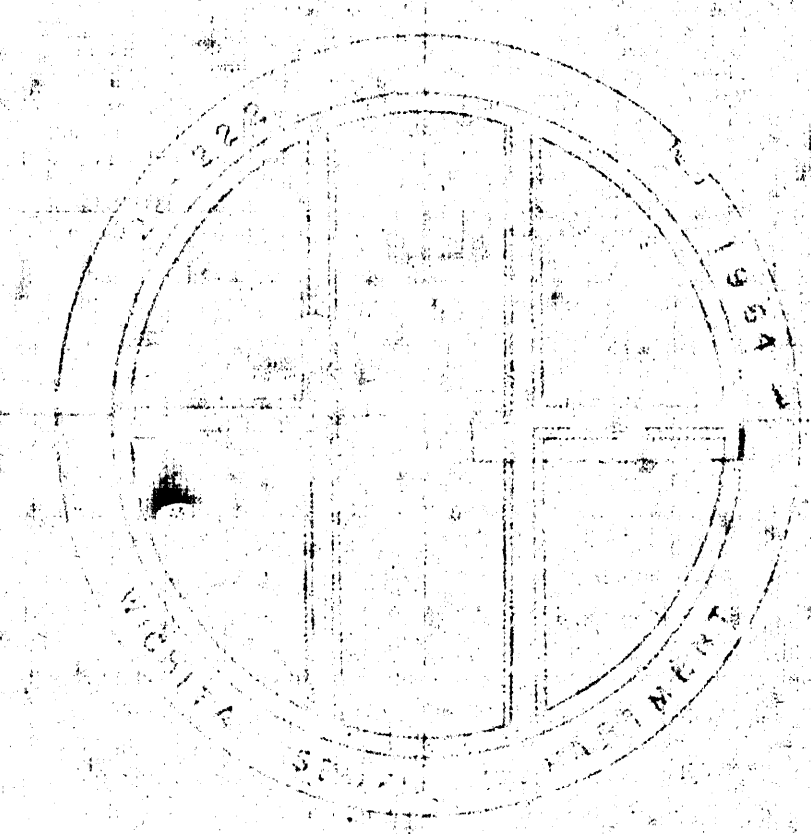


OUTSIDE DROP MANHOLE
TYPE "B"

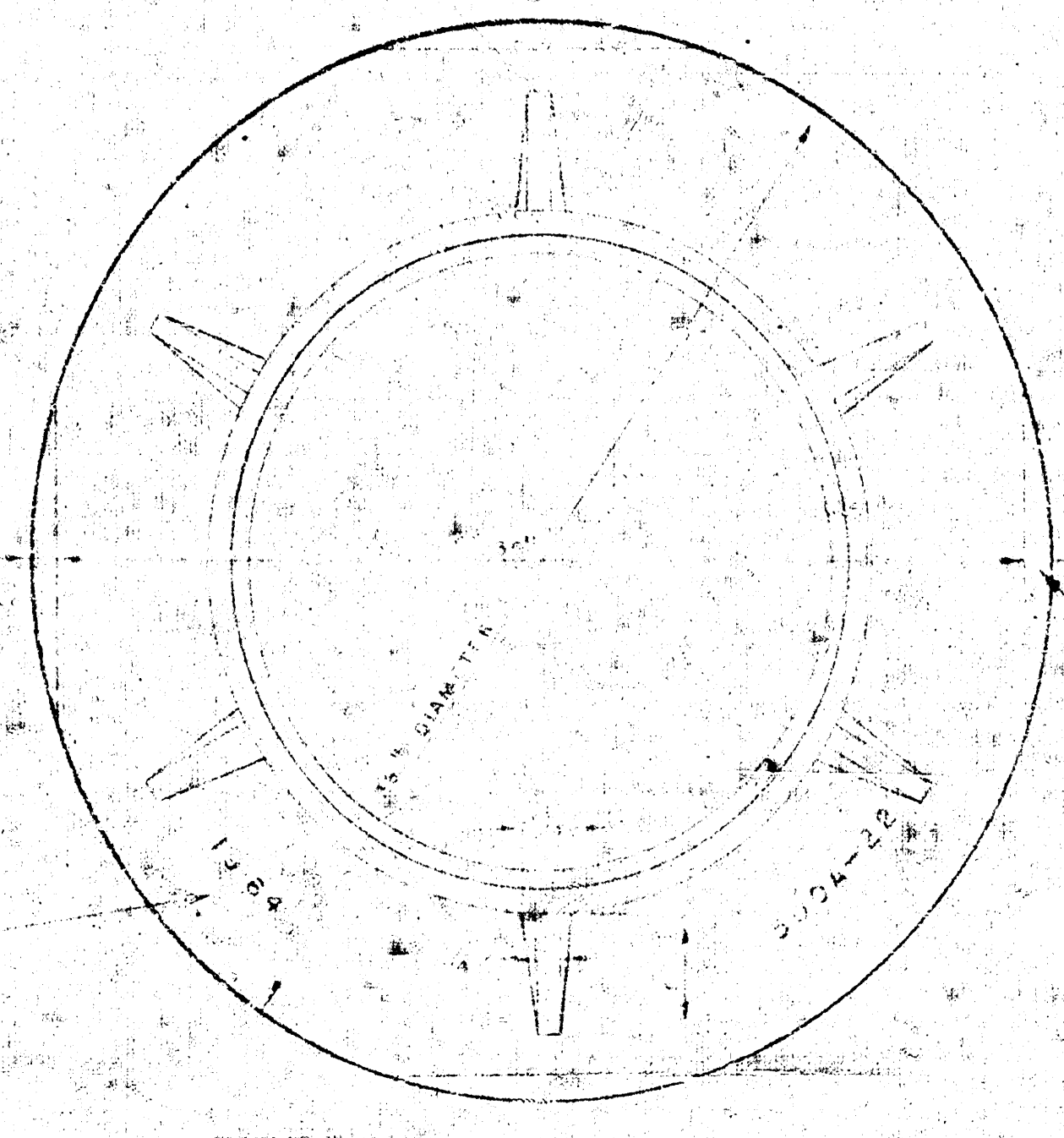
* DRAW # 6 ON S' DIA. W.H.



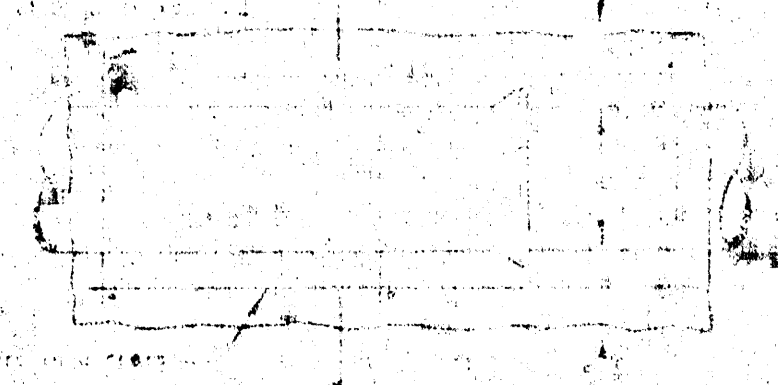
DETAIL OF DROP STACK



MANHOLE COVER



MANHOLE RING



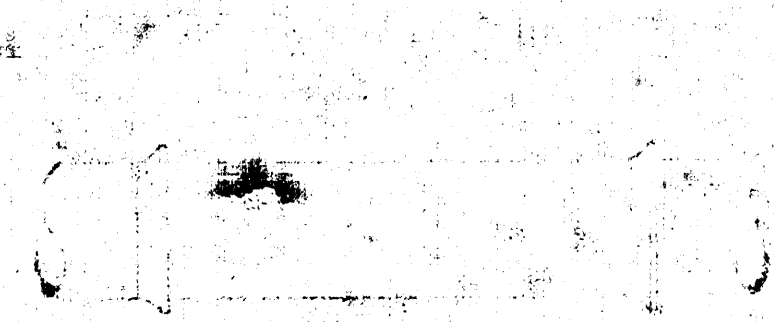
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



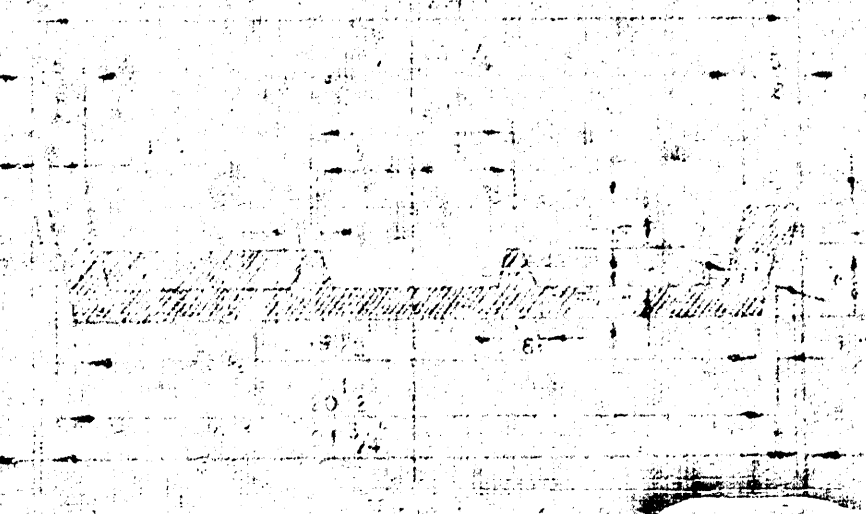
CONCRETE ENCASEMENT
FOR COVER



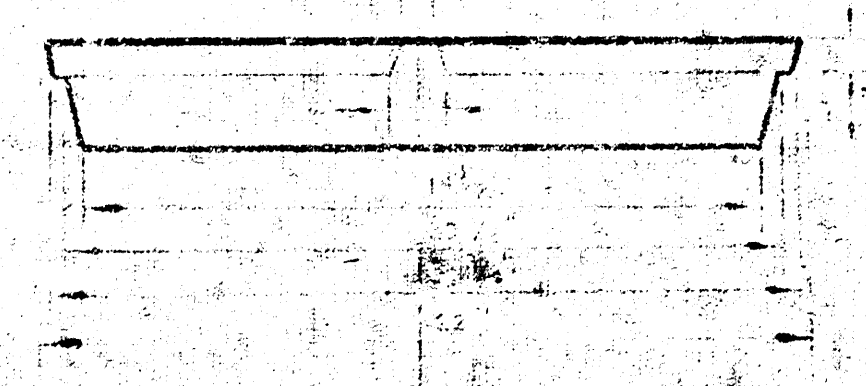
DETAIL OF CONCRETE CRADLE



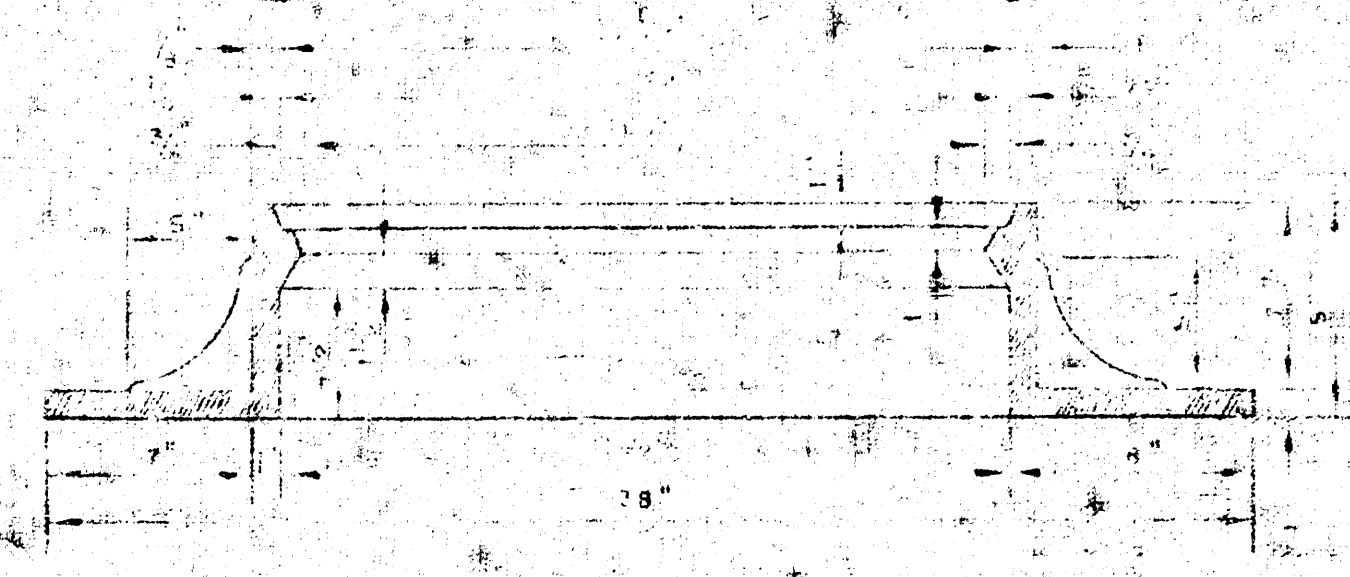
ORDINARY BEDDING METHOD



MANHOLE COVER

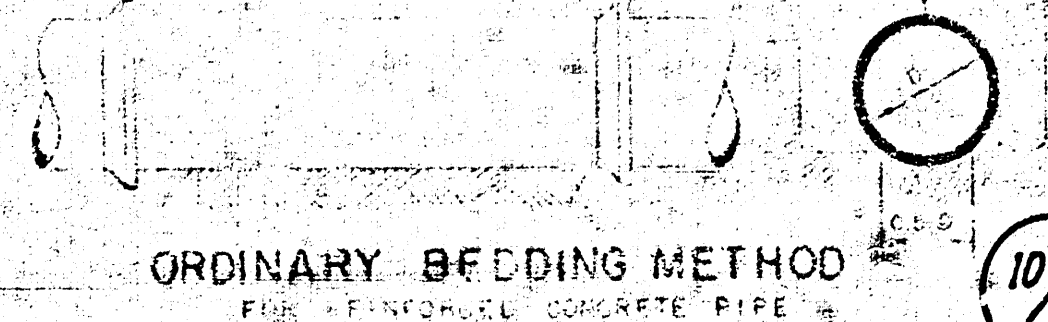


MANHOLE COVER



MANHOLE RING

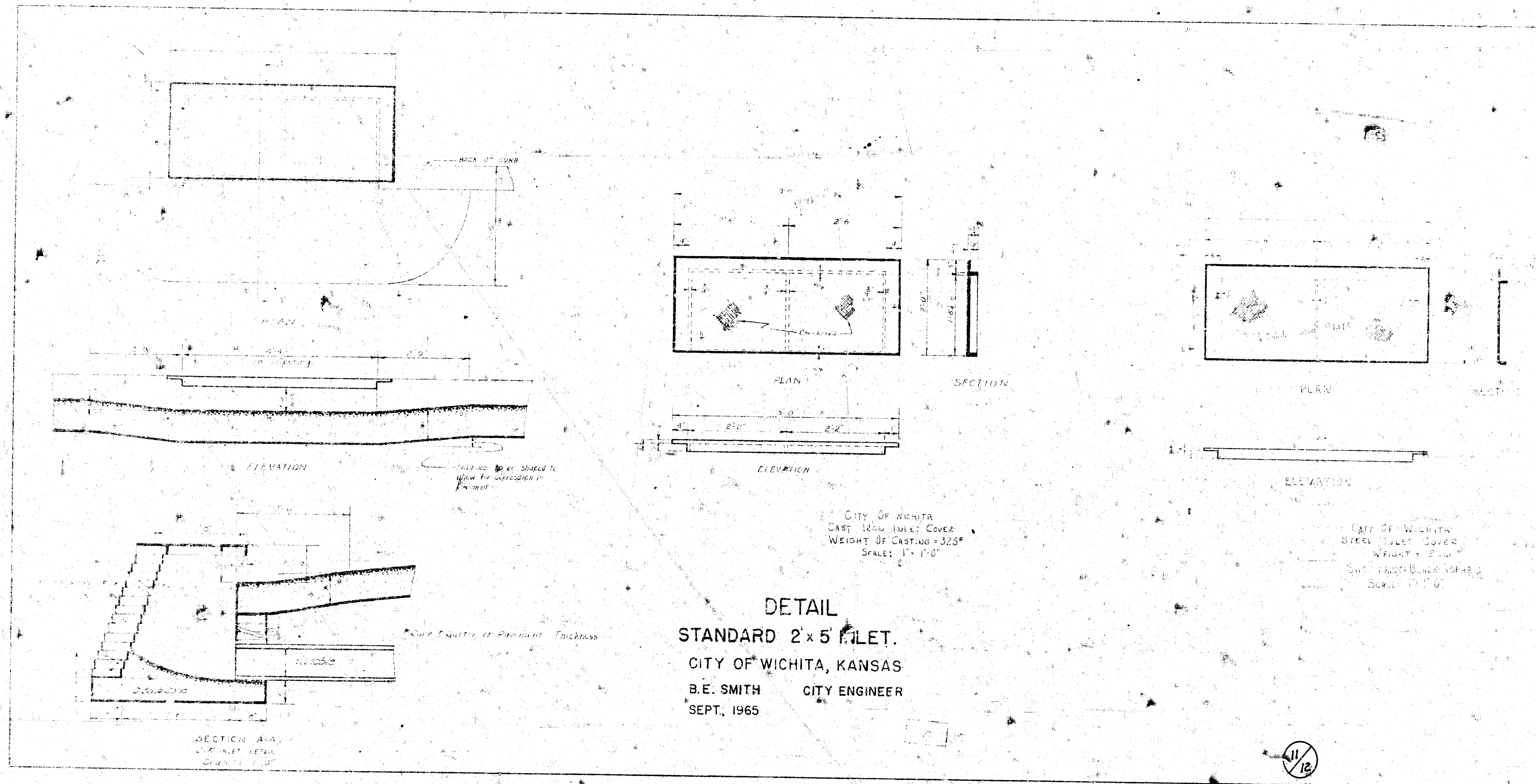
OUTSIDE DIFFERENCE OF COVER
AND THE INNER FACE AND TEST OF
RING IS THE MACHINE FIT.

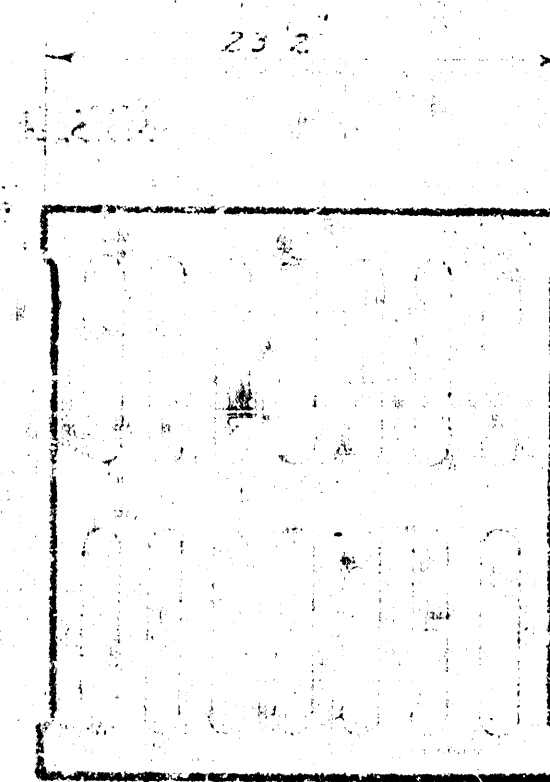
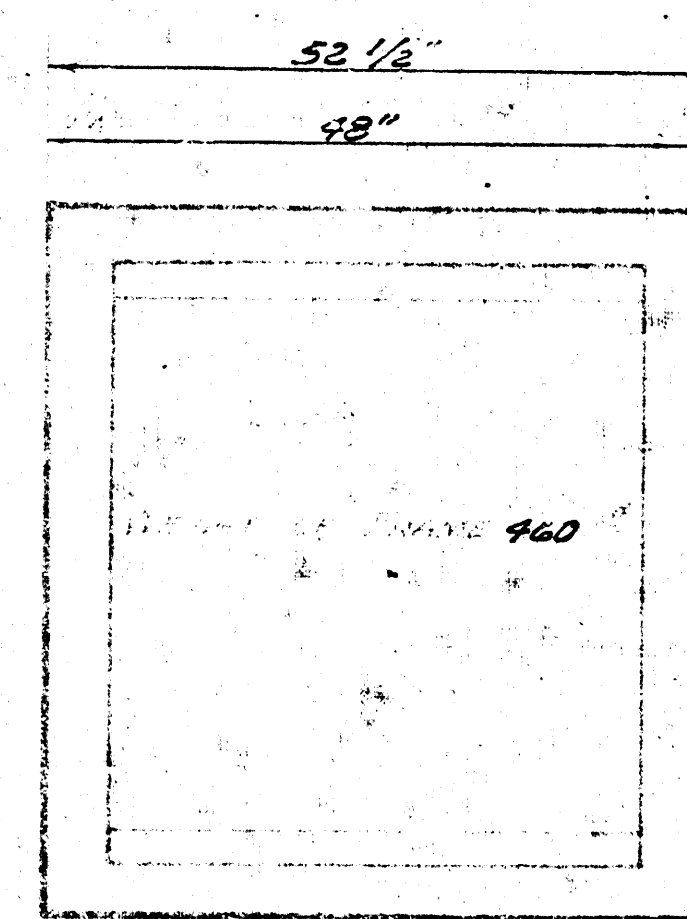


ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

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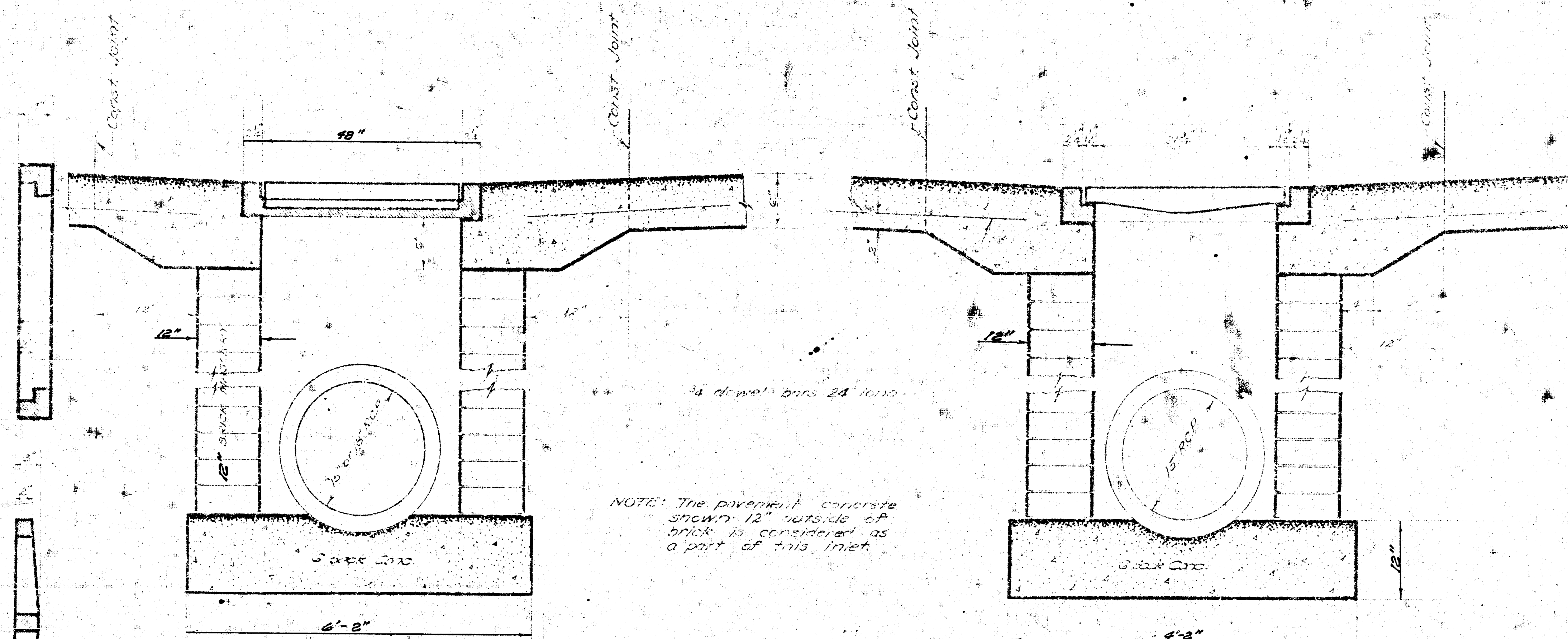
DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
B. E. SMITH CITY ENGINEER
1964





WEIGHT OF GRATE 180

FRAME & GRATE DETAILS
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Note: 2 grates required for double 2'x2' grate inlet

ELEVATION

DROP INLET DETAILS

No Scale

ELEVATION

DROP INLET DETAILS
CITY OF WICHITA KANSAS
B. SMITH CITY ENGINEER

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L.P.A.