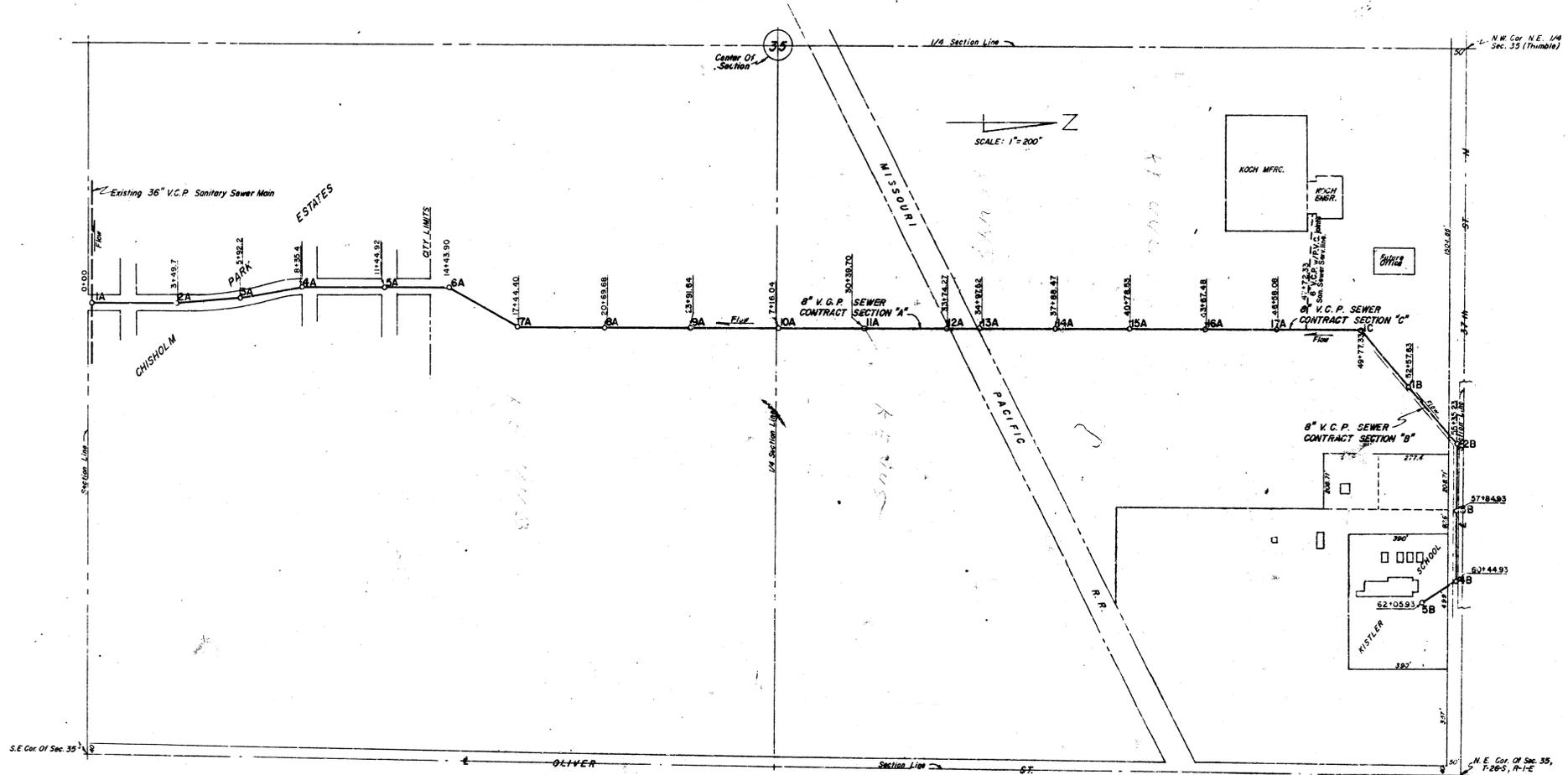


SANITARY SEWER
FOR
KOCH ENGINEERING CO., INC.

LAT. 24 S.S. 23

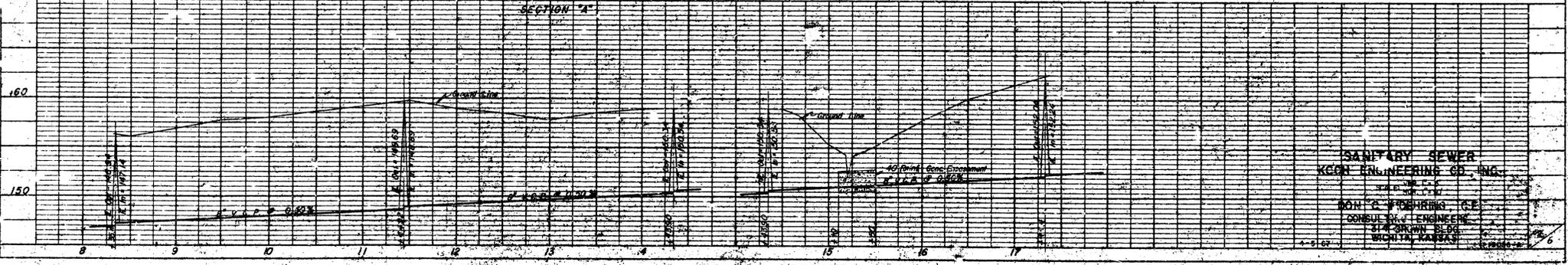
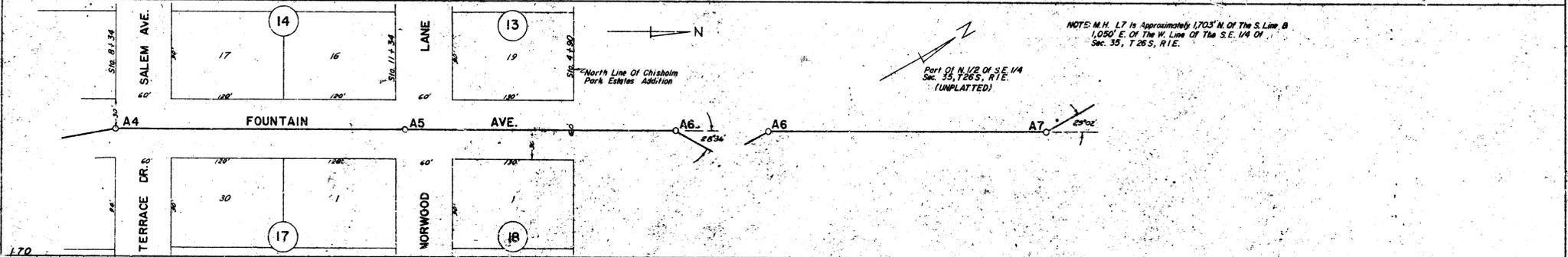
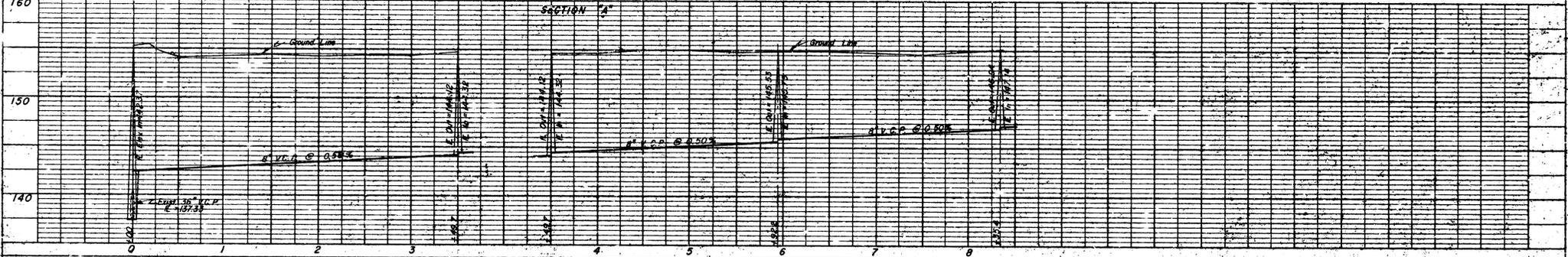
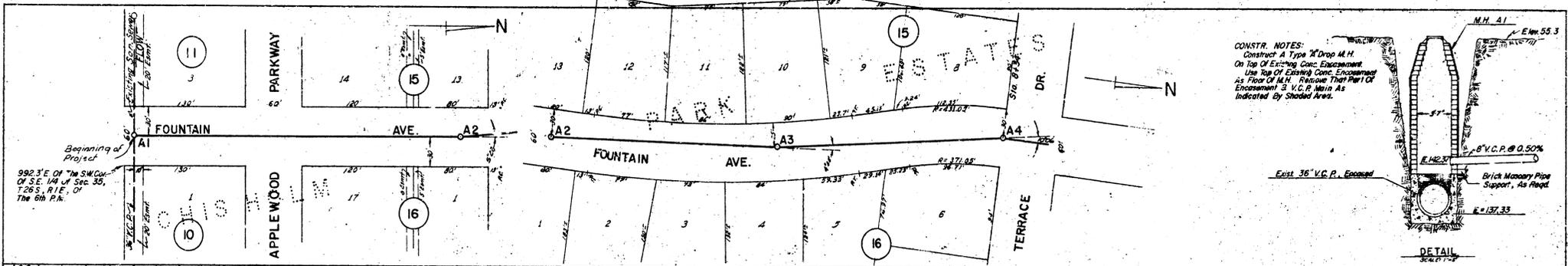
1970
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N
SCALE: 1" = 200'

DON C. MOHRING, C.E.
CONSULTING ENGINEERS
WICHITA, KANSAS
1967

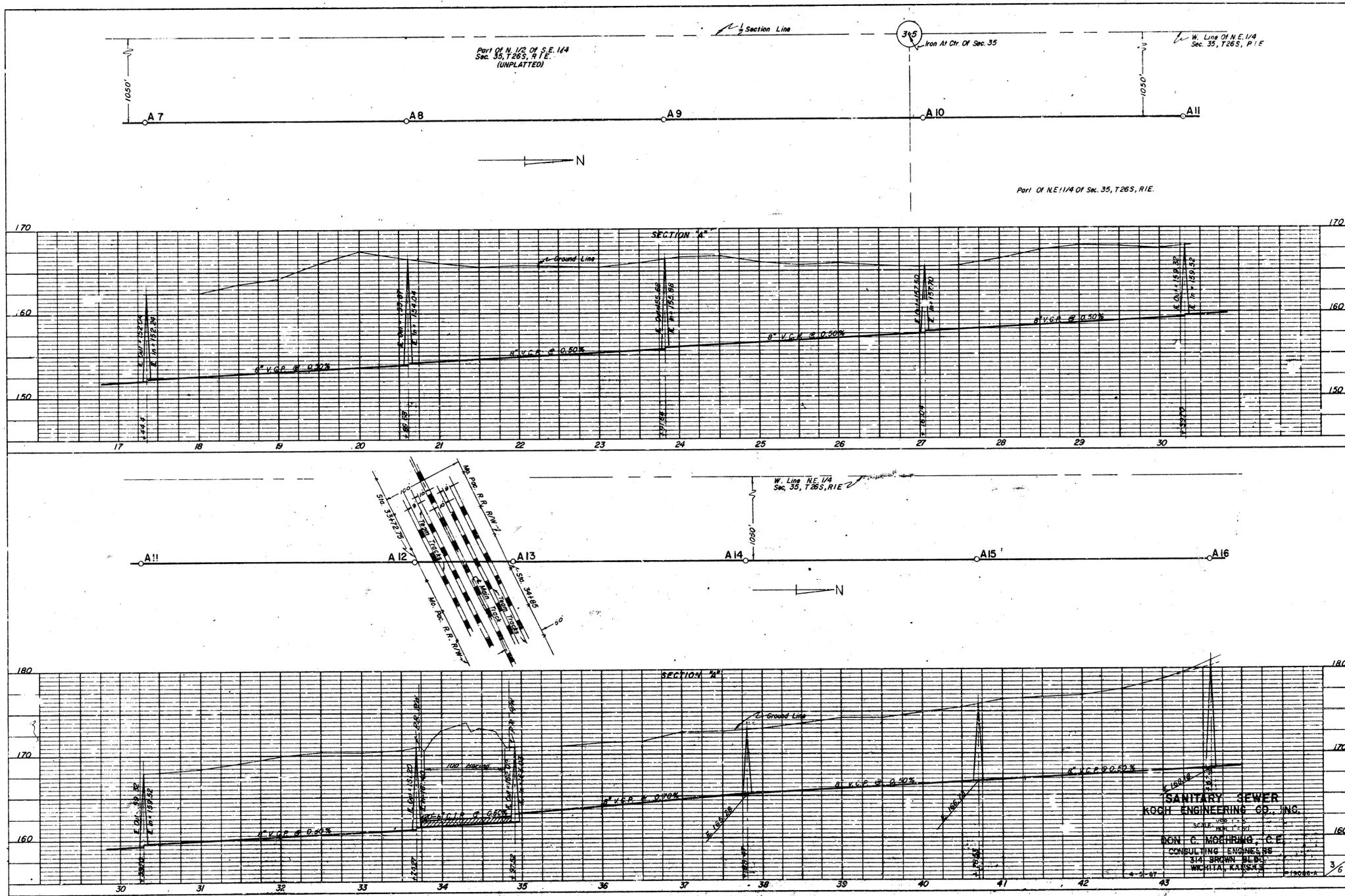
L-121



SAITARY SEWER
 KCMR ENGINEERING CO., INC.
 1001 S. WILSON ST.
 WICHITA, KANSAS 67202

DATE	DESCRIPTION

DATE	DESCRIPTION



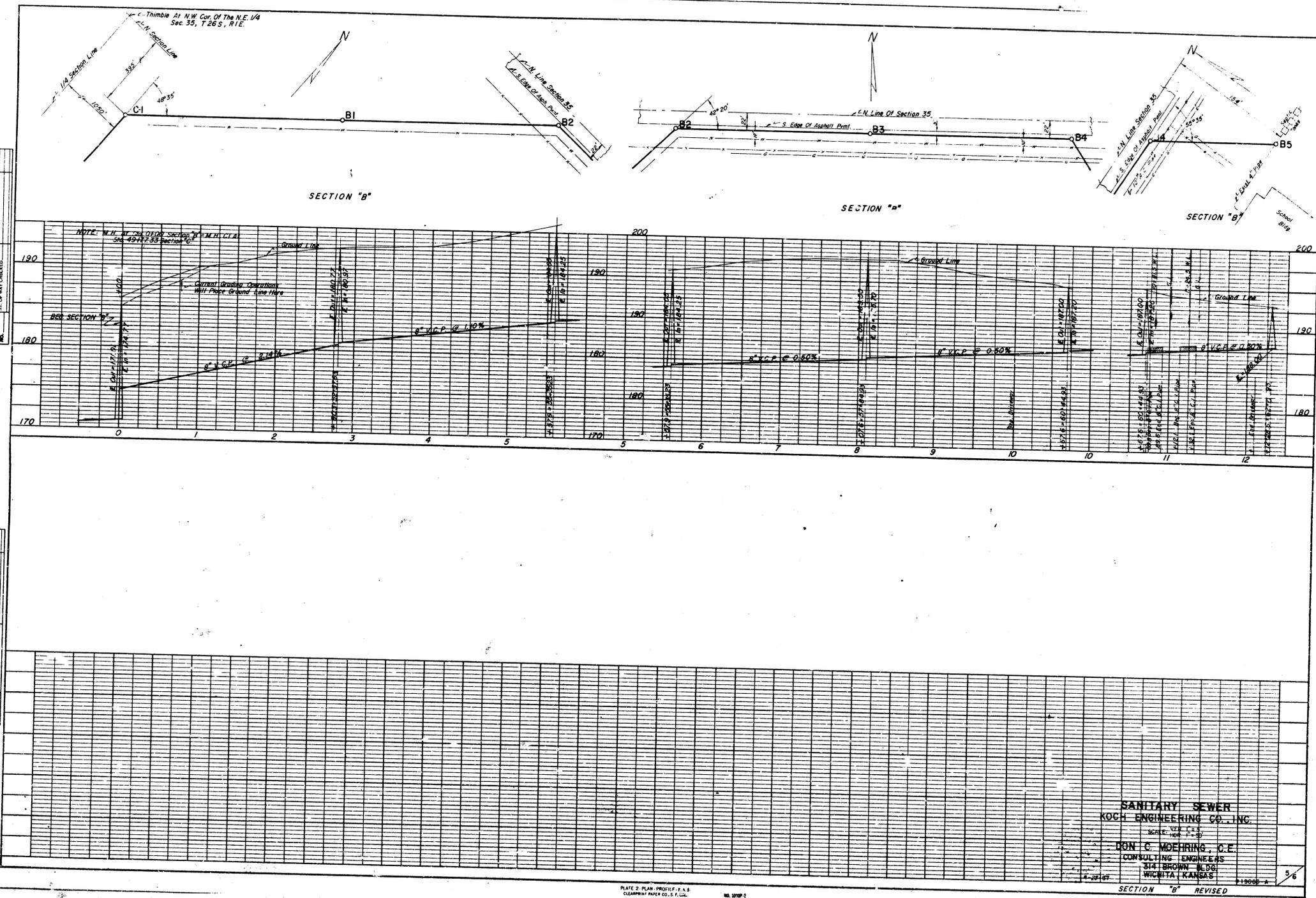
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 CHECKED BY: J. H. COOK
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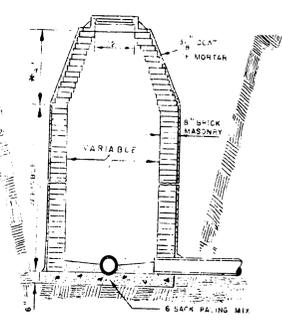
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 TITLE: SANITARY SEWER

ORIGINATOR: J. H. COOK
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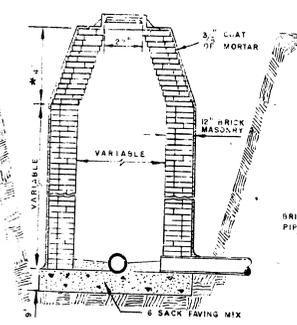
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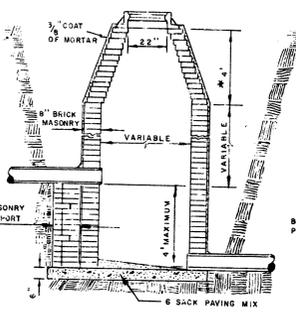




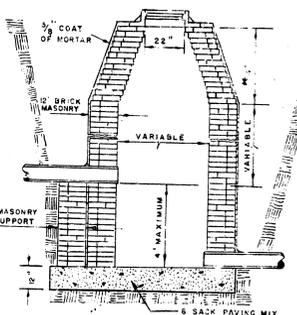
STANDARD MANHOLE TYPE "A"



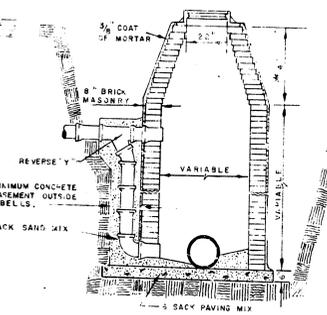
STANDARD MANHOLE TYPE "B"



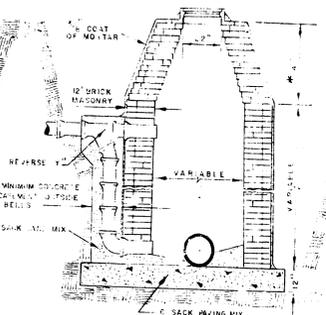
DROP MANHOLE TYPE "A"



DROP MANHOLE TYPE "B"

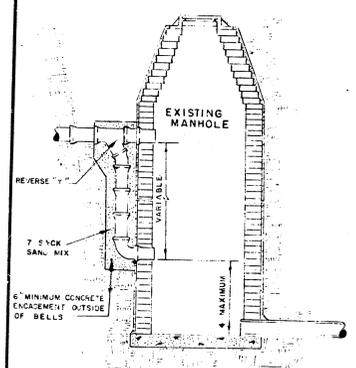


OUTSIDE DROP MANHOLE TYPE "A"

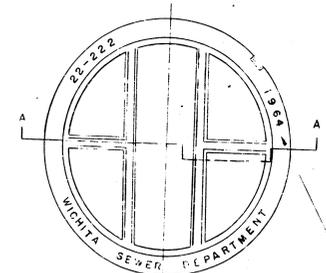


OUTSIDE DROP MANHOLE TYPE "B"

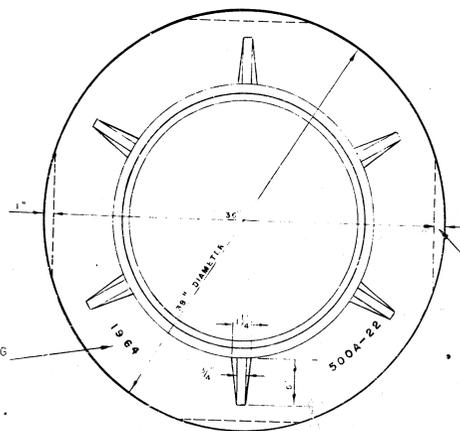
* DRAW = 6' ON 5' DIA. M.H.



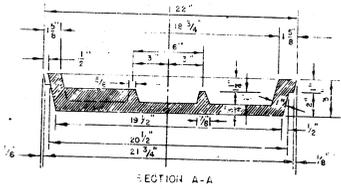
DETAIL OF DROP STACK FOR EXISTING MANHOLES IN GROUND WATER



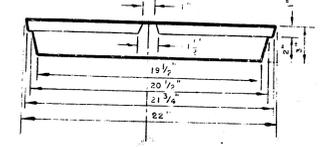
MANHOLE COVER WEIGHT 130 lbs.



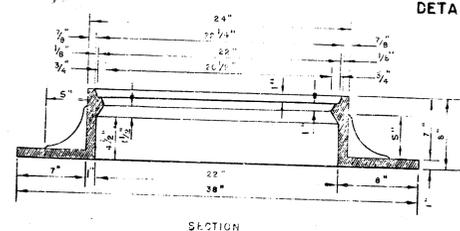
MANHOLE RING WEIGHT 355 lbs.



MANHOLE COVER

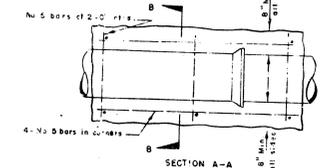


MANHOLE COVER

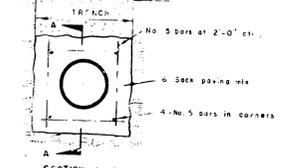


MANHOLE RING

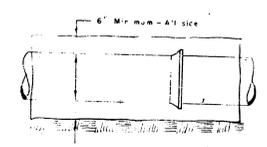
OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.



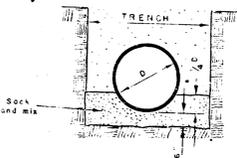
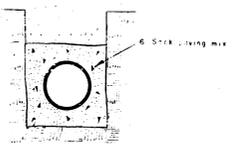
REINFORCED CONCRETE ENCASEMENT FOR STRENGTH



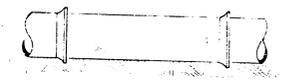
SECTION B-B



CONCRETE ENCASEMENT FOR COVER



DETAIL OF CONCRETE CRADLE



ORDINARY BEDDING METHOD FOR REINFORCED CONCRETE PIPE

ORDINARY BEDDING METHOD FOR CLAY PIPE

MANHOLES
 THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
 STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.
 SINGLE OR DOUBLE OUTSIDE DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.
 ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 5' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.

DETAILS OF SEWER APPURTENANCES ADOPTED AS STANDARD DESIGN BY ENGINEERING DIVISION CITY OF WICHITA, KANSAS DON C. MOHRING, C.E. CONSULTING ENGINEERS 1967