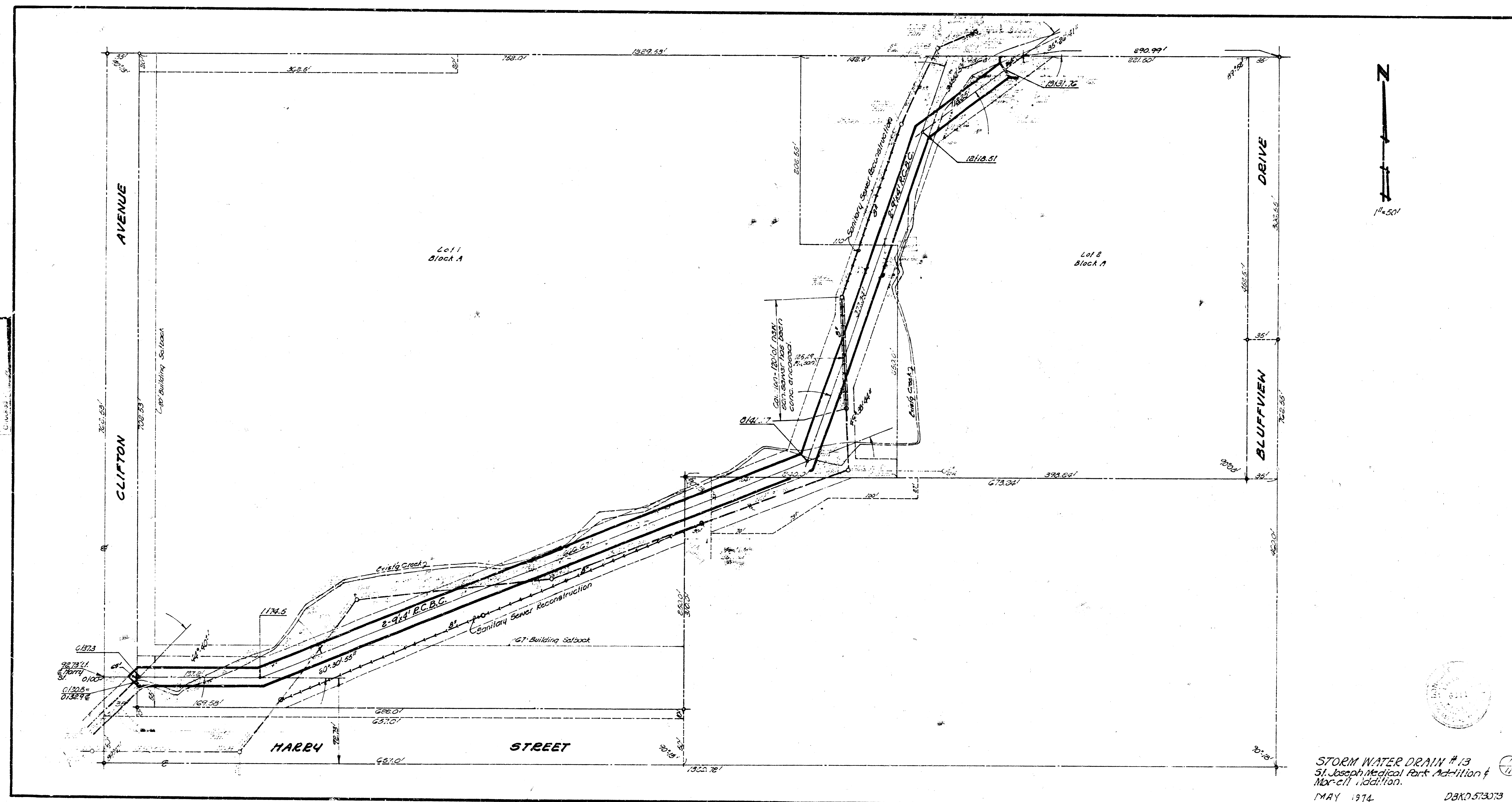
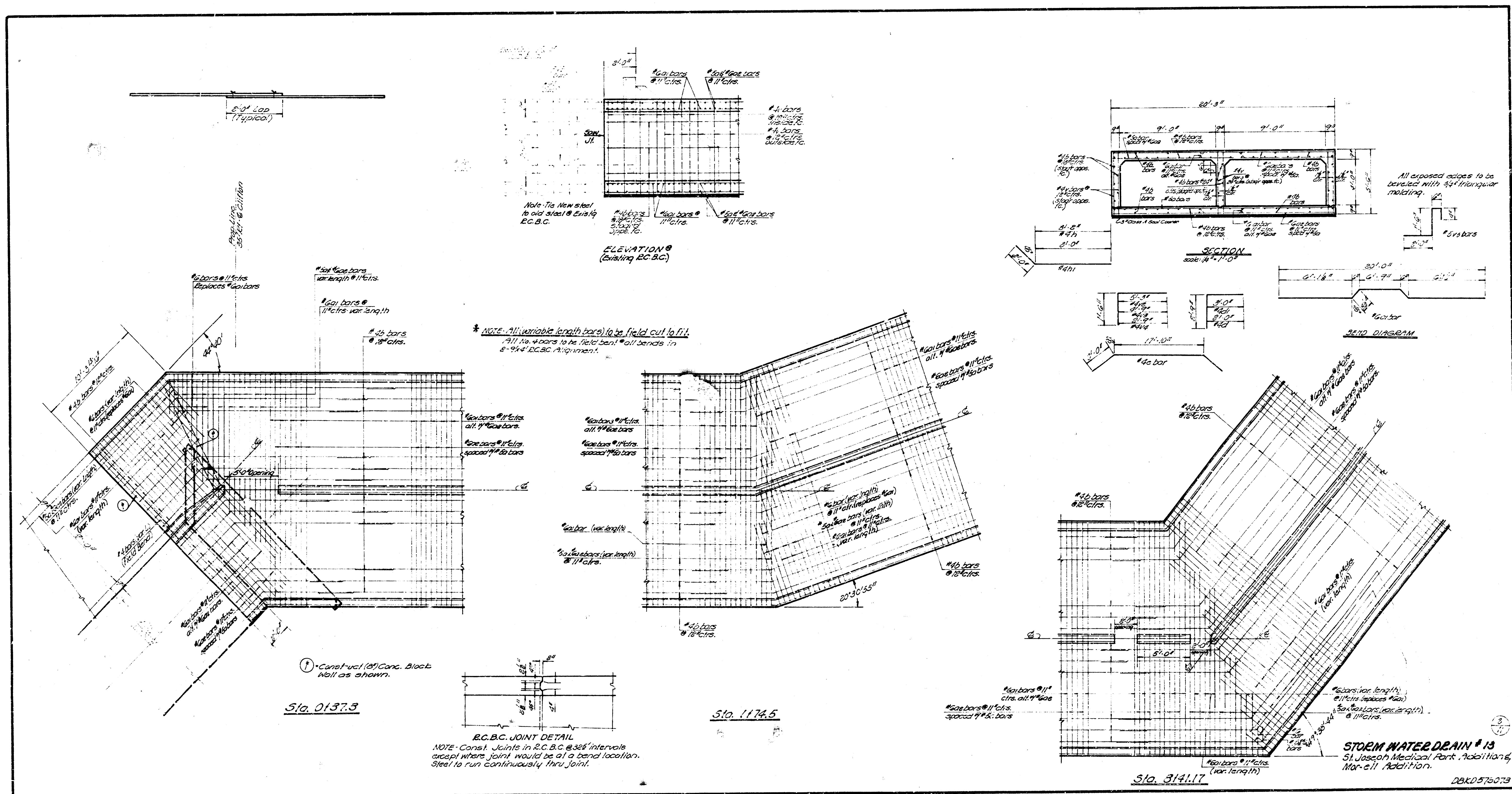
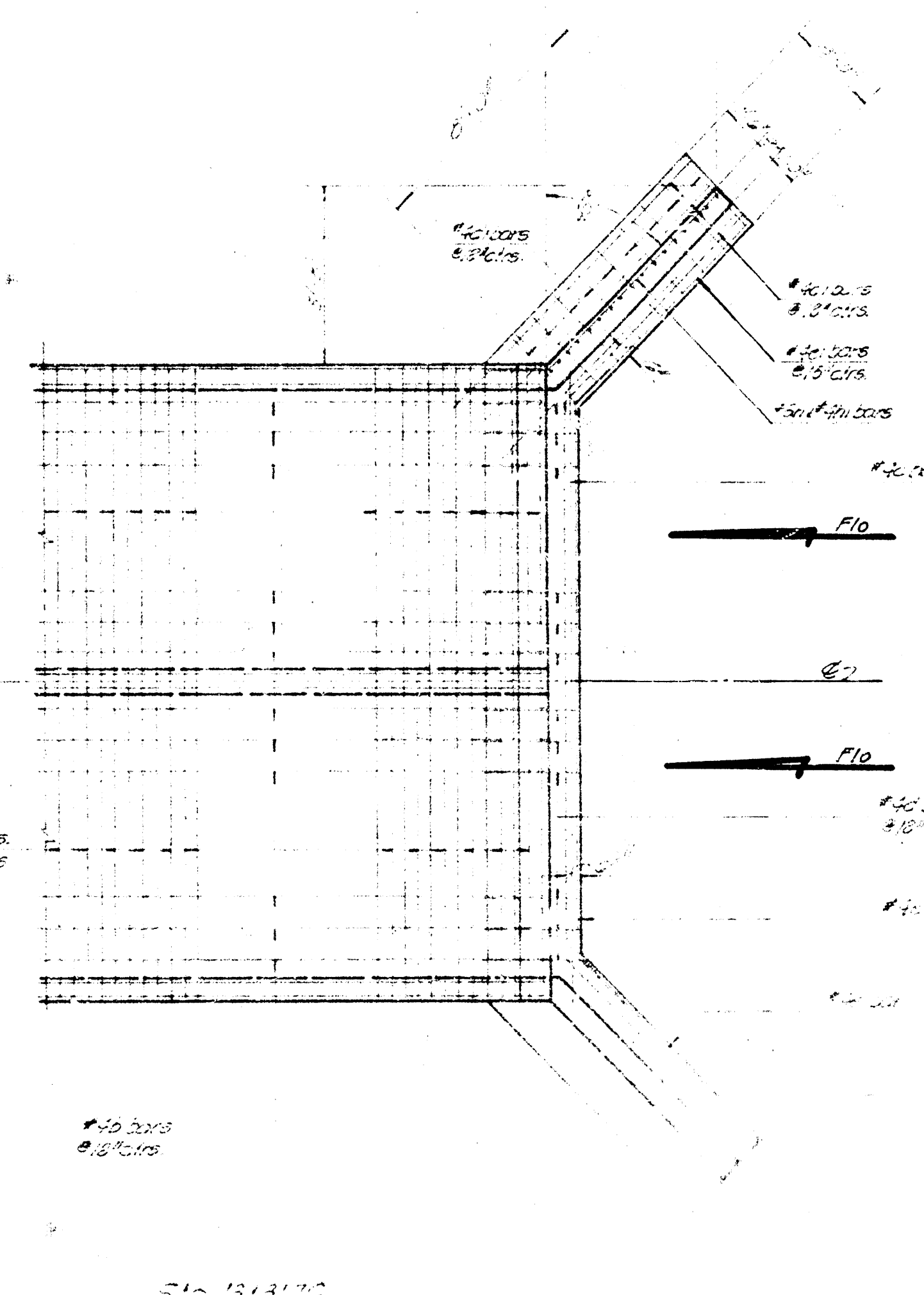
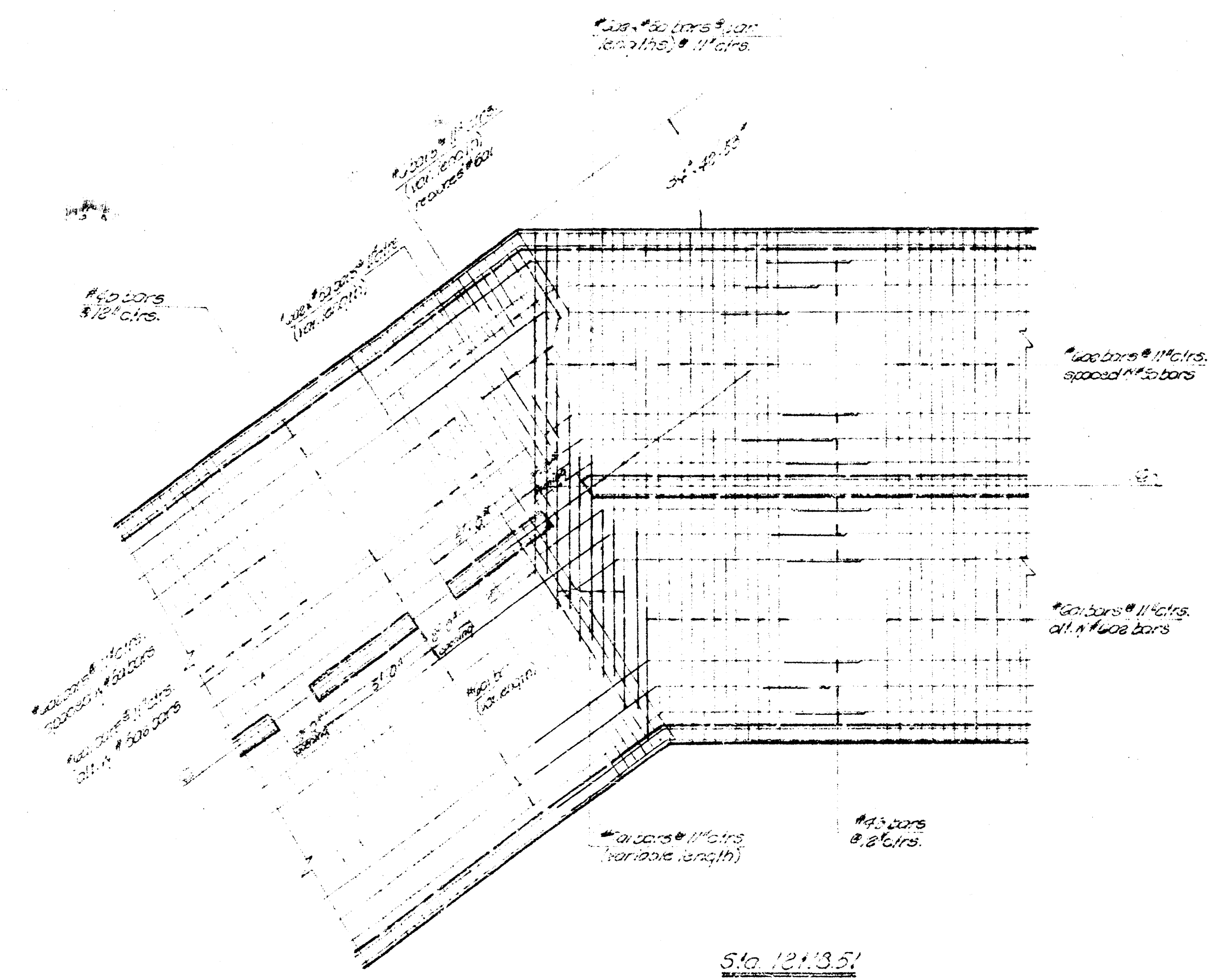
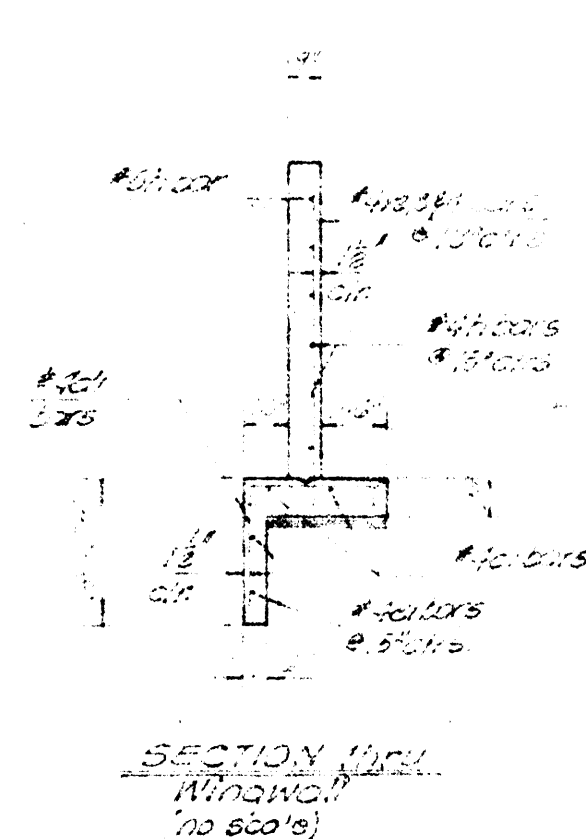
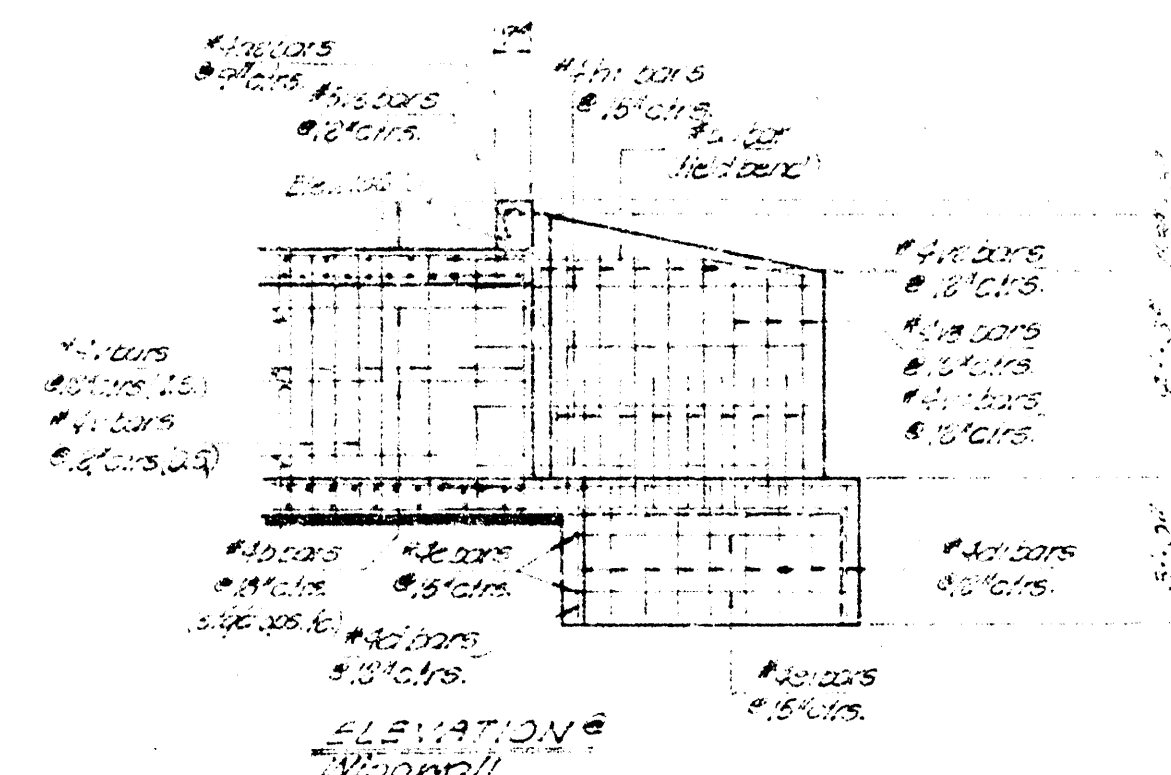
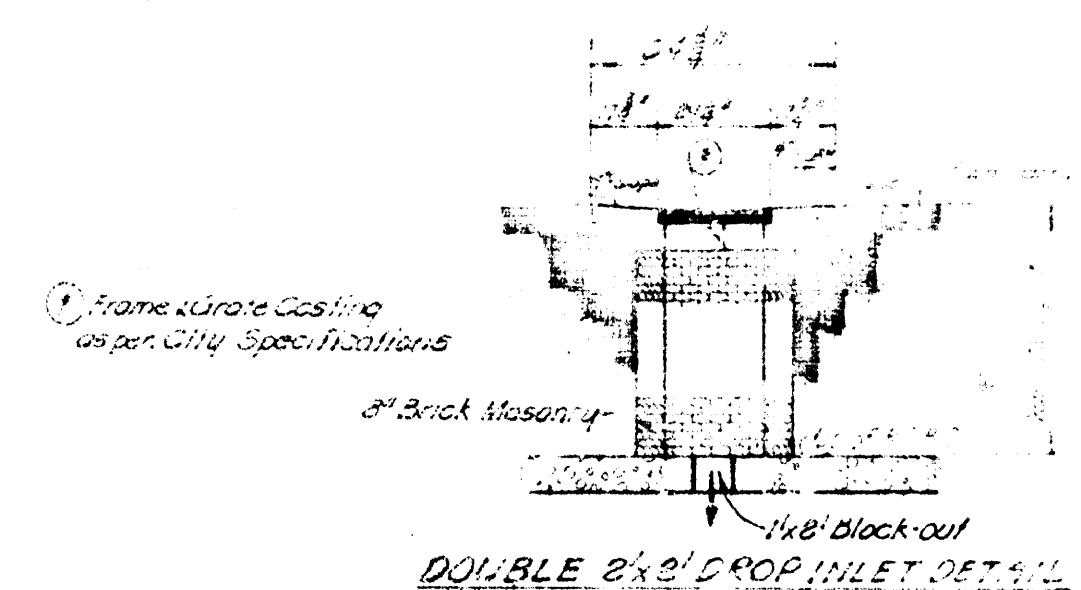






- GENERAL NOTES
1. CLASS A-E CONCRETE - SHALL BE USED THROUGHOUT CULVERT CONSTRUCTION. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. SPECIFICATIONS.
 2. REINWORK - ALL EARTH WORK SHALL BE CONSIDERED AS "COMMON EXCAVATION" EXCEPT FOR TOP WALL EXCAVATION SHALL BE INCLUDED IN LUMP SUM BID OF R.C.S.C. ALL MATERIALS SUITABLE FOR BACKFILL TO REMAIN ON PROJECT.
 3. BACKFILL - SHALL BE COMPACTED TO TOP OF NEW STRUCTURE. ALL BACKFILL AND EXCAVATION TO EXTEND TO (2') BEYOND WALLS OF BOX AND VITC WALLS. BACKFILL OF VITC WALLS TO BE FREQUENTLY HAND TEMPED OR EQUAL AS DIRECTED BY FIELD ENGINEER. THIS WORK TO BE CONSIDERED AS PART OF C.T. COMPACTED FILL AND WILL BE INCLUDED IN "LUMP SUM BID" OF R.C.S.C.
 4. SEAL COURSE - CONSISTING OF (3") CLASS (A) CO. REE SHALL BE CONSTRUCTED ONLY WHERE SPECIFIED ON PLANS OR BY THE ENGINEER. NO REINFORCING STEEL SHALL BE PLACED UNTIL SEAL COURSE HAS GAINED SUFFICIENT STRENGTH TO PERMIT WORKING UPON IT WITHOUT INJURY. THIS ITEM SHALL BE PAID AS PLAN QUANTITY IF USED.
- BIDDING OF CULVERT - THE CULVERT SHALL BE BID AS A "LUMP SUM BID" EXCEPT FOR THE FOLLOWING ITEMS: CLASS (A) CONCRETE, DOUBLE 2' x 2' INLETS, CLEARING OF RIGHT-OF-WAY. THE INSTALLATION OF STUPE CUTS FOR STORM WATER LEADS TO BE CONSIDERED A PART OF THE LUMP SUM BID OF R.C.S.C. THE ITEMS IN THE "BILL OF MATERIALS" AND THE "BAR SCHEDULE" ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR IS TO SATISFY HIMSELF TO THE QUANTITIES AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE CONTRACTOR WILL HAVE FULL RESPONSIBILITY FOR PROVIDING ALL MATERIALS SHOWN ON THE DETAILED PLANS NECESSARY TO COMPLETE THIS PROJECT.



SUMMARY OF QUANTITIES

CLASS A-E CONCRETE	1924.05 cu. yds.
COMMON EXCAVATION	8512.2 cu. yds.
CONCRETE BACKFILL	1529.9 cu. yds.
REINFORCING STEEL	316,620.0 lbs.
DOUBLE 2' x 2' INLETS	LUMP SUM
CLEARING OF RIGHT-OF-WAY	LUMP SUM
CLASS (A) CONCRETE (SEAL COURSE)	245.0 cu. yds.
CONCRETE BLOCK WALLS	19.3 lin. ft.

BAR SCHEDULE

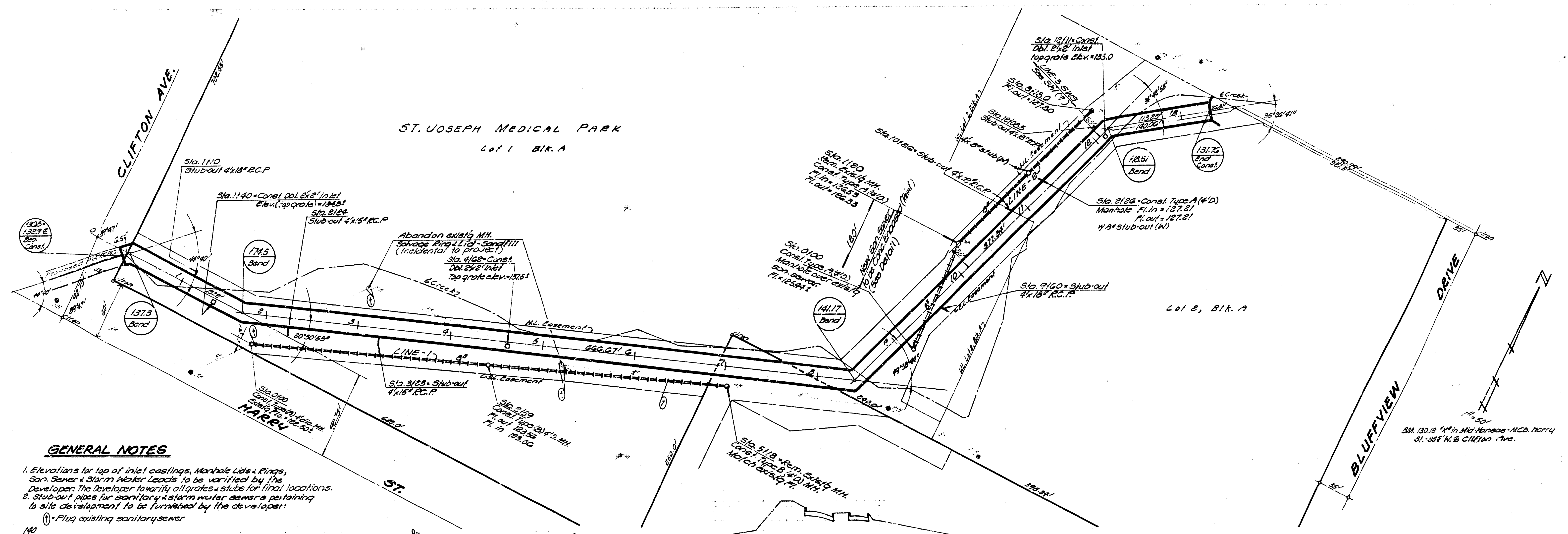
TYPE	SIZE	NO.	LENGTH	SHAPE	POUNDS
a	5	2788	20' - 0"	U	28,157.0000
a1	6	2796	20' - 0"	U	37,741.6700
a2	6	2788	10' - 0"	U	31,751.2400
b	4	2680	35' - 0"	U	61,753.2400
c	4	1	20' - 0"	U	13.3600
c1	4	6	11' - 0"	U	10.0000
d	4	18	4' - 0"	U	57.1100
d1	4	18	5' - 0"	U	64.1300
e	4	2	11' - 0"	U	9.1900
e1	4	4	8' - 0"	U	11.3700
f	5	2	10' - 0"	U	11.2077
f1	4	8	10' - 0"	U	32.0000
f2	4	3	20' - 0"	U	0.0000
g	4	133	1' - 0"	U	22,911.2200
g1	4	12	1' - 0"	U	21.0000
g2	4	7	0' - 0"	U	25.0000
g3	4	10	1' - 0"	U	45.0000
g4	4	21	4' - 0"	U	94.9200
g5	4	100	var.	U	1129.7429
g6	4	100	var.	U	694.6700
g7	4	100	var.	U	1410.9100
g8	4	32	var.	U	222.0000

Extra Steel 0

G.T. = 316,619.560 lbs.
= 176,209.000 tons

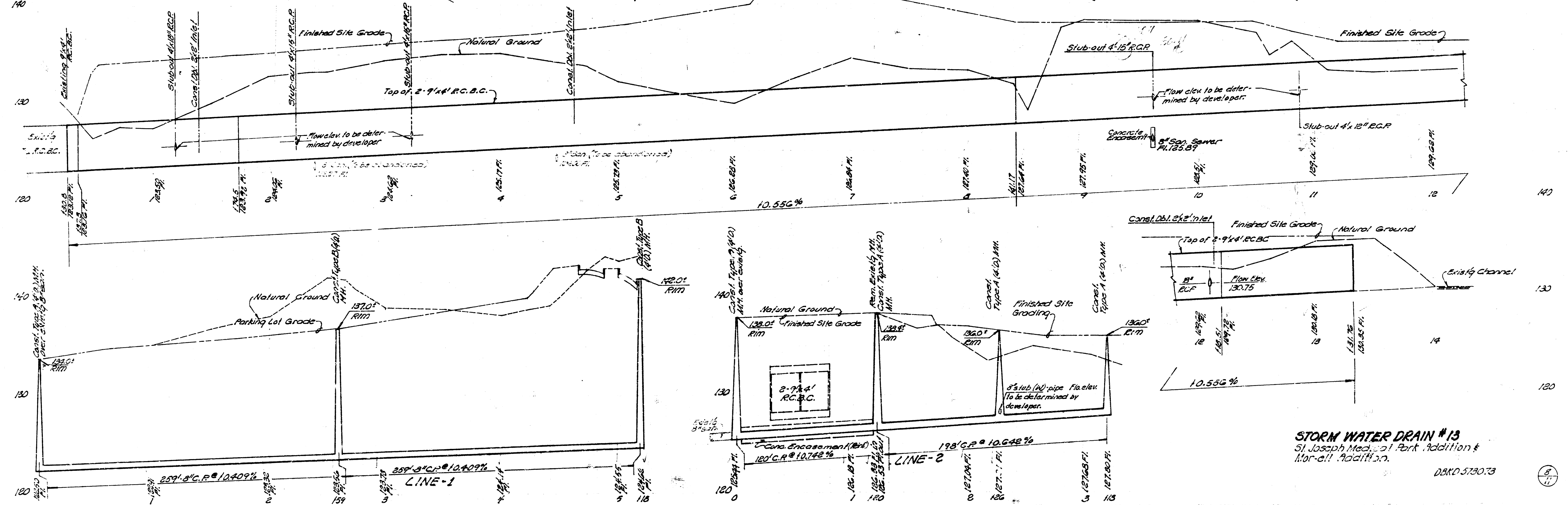
STORM WATER DRAIN #13
St. Joseph Medical Park Addition
Nor-est Addition
05L02573073

11/18/66
 C.B. 0567
 11/18/66

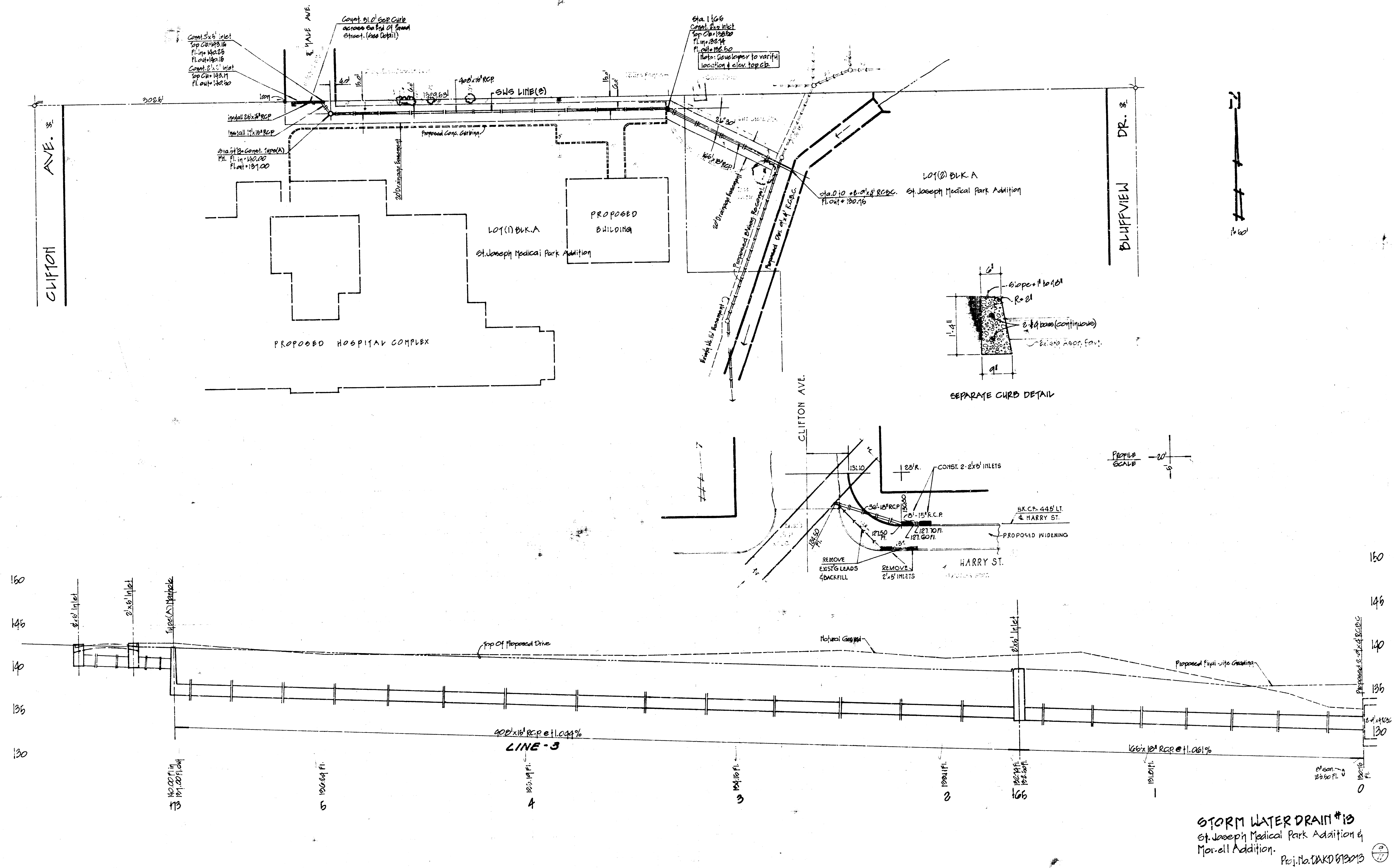


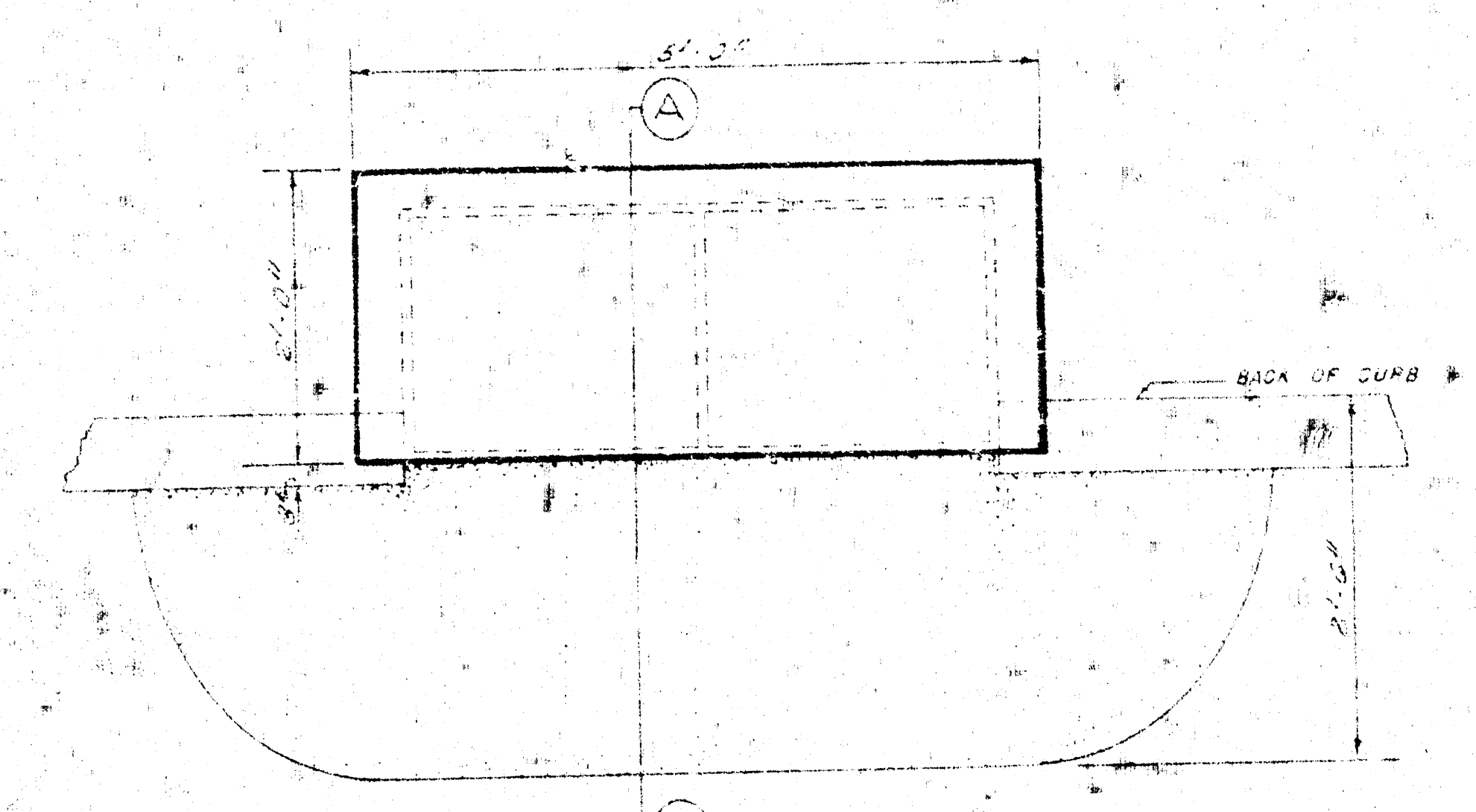
GENERAL NOTES

1. Elevations for top of inlet castings, Manhole Lids & Rings, San Sewer & Storm Water Leads to be verified by the developer. The developer, however, all grades & slope for final locations.
2. Sub-out pipes for sanitary & storm water service pertaining to site development to be furnished by the developer.
3. Plug existing sanitary sewer.

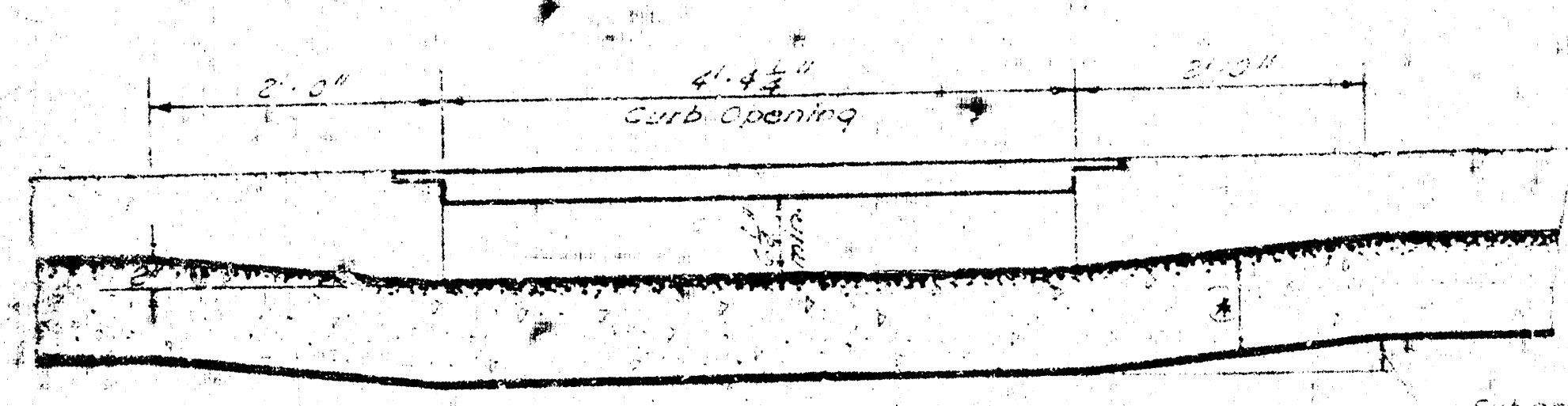


STORM WATER DRAIN #13
 St. Joseph Medical Park Addition #1
 For all locations.
 DSKD-5130-73

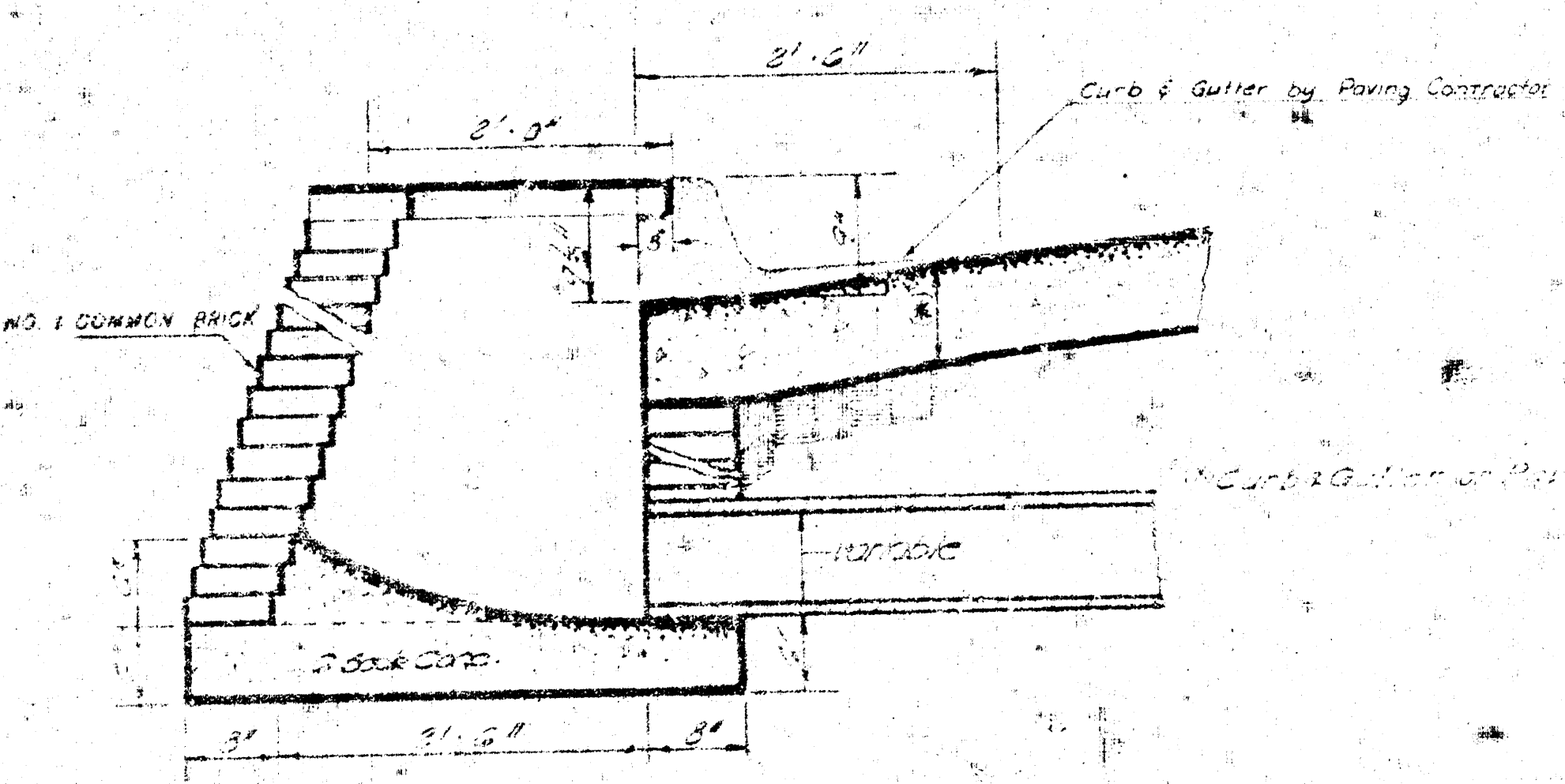




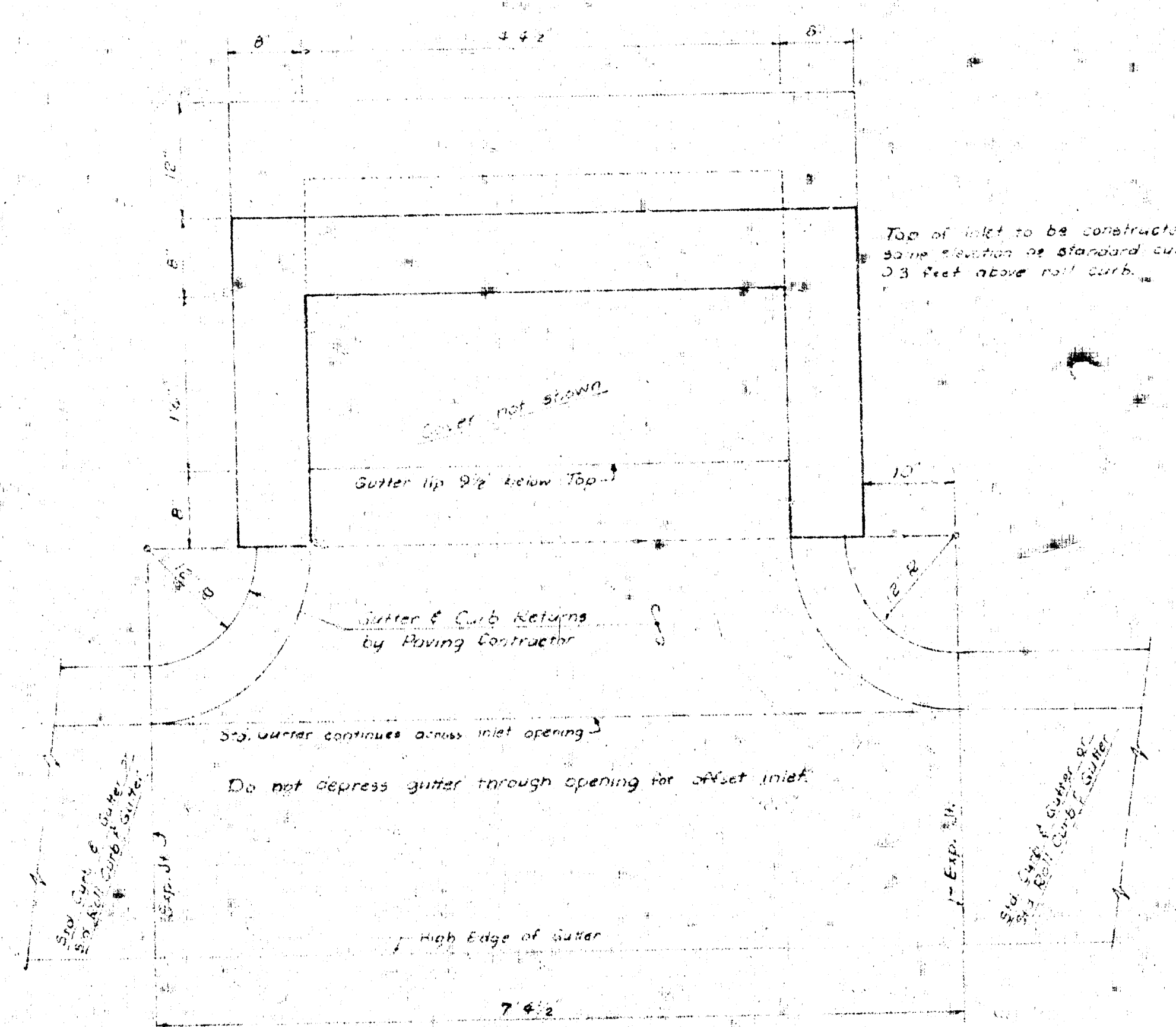
PLAN



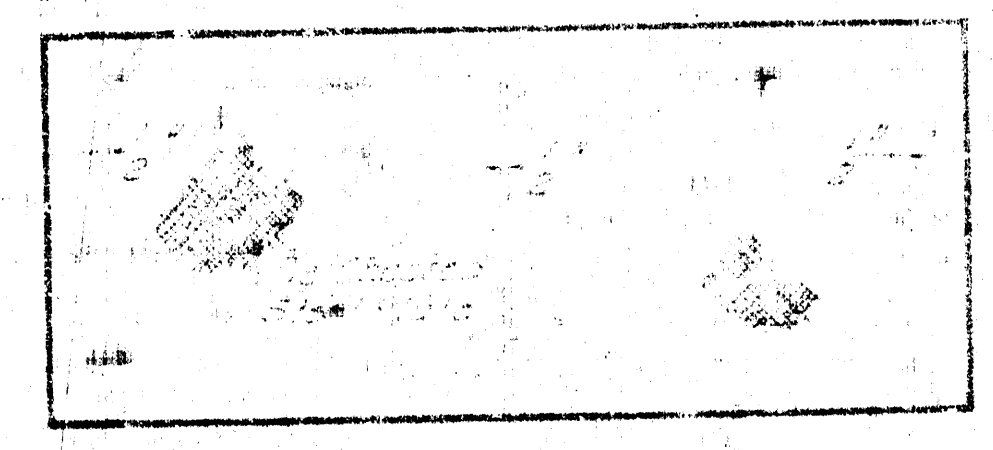
ELEVATION



SECTION THRU INLET
2'x5' INLET DETAIL
Scale 1/2"=1'-0"

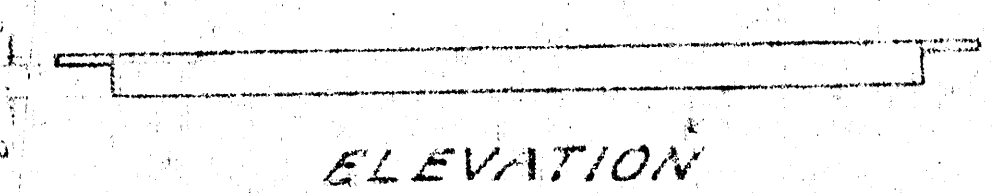


PLAN
STANDARD 2'x5' INLET AT SET-BACK LOCATION
Scale 1/2"=1'-0"



PLAN

SECTION



ELEVATION

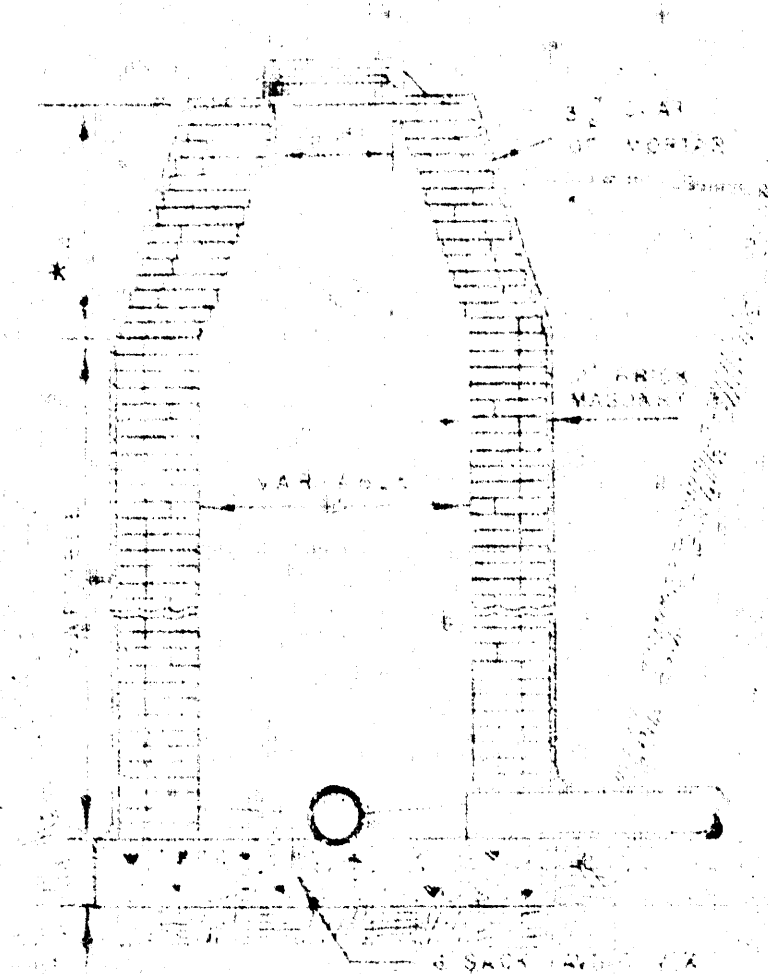
DETAIL
STANDARD 2'x5' INLET.
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
SEPT. 1973

CITY OF WICHITA
STANDARD 2'x5' INLET
CITY ENGINEER
R. W. LINN
SEPT. 1973

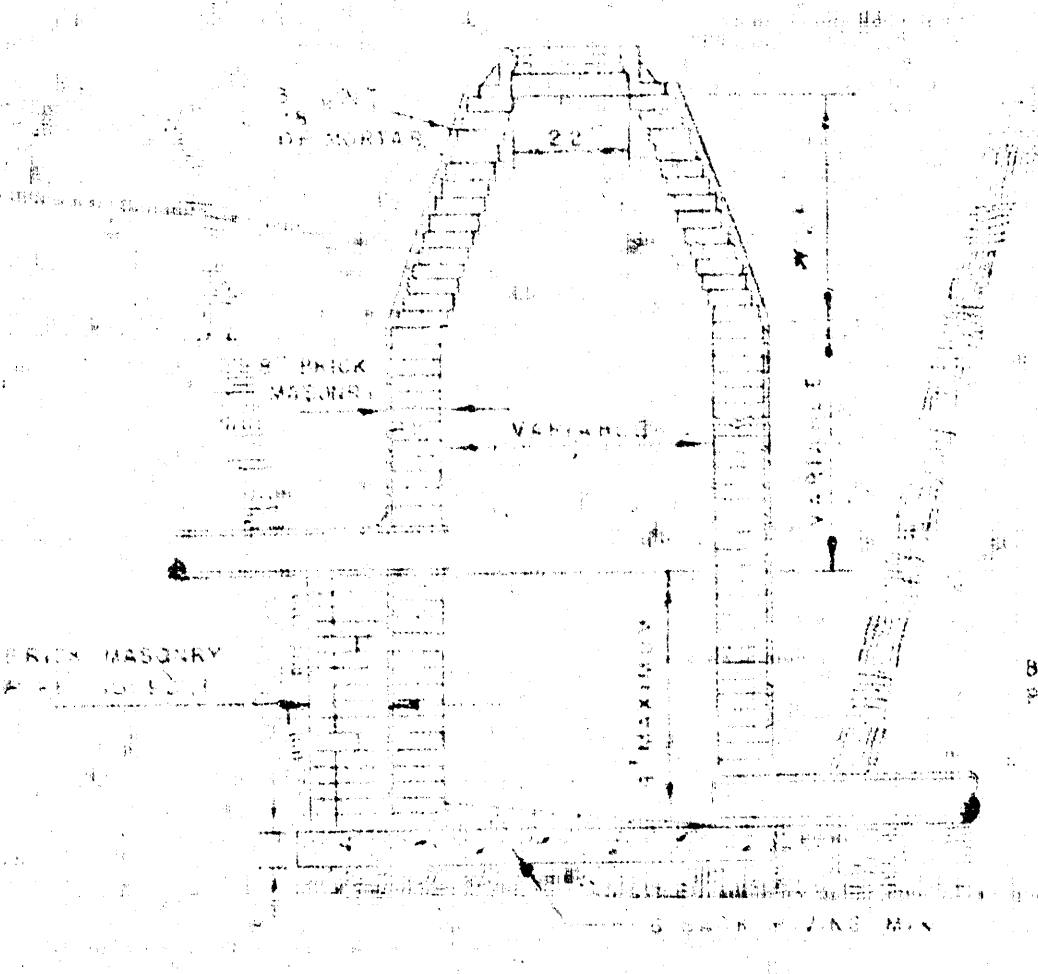
2



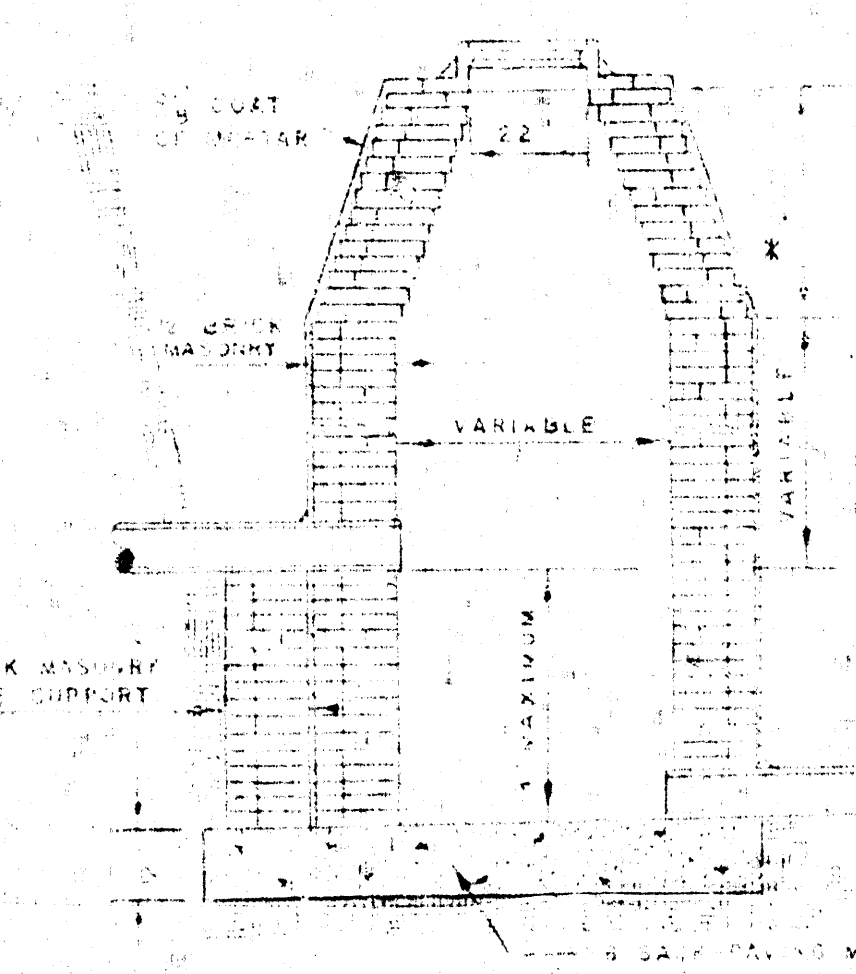
STANDARD MANHOLE
TYPE "A"



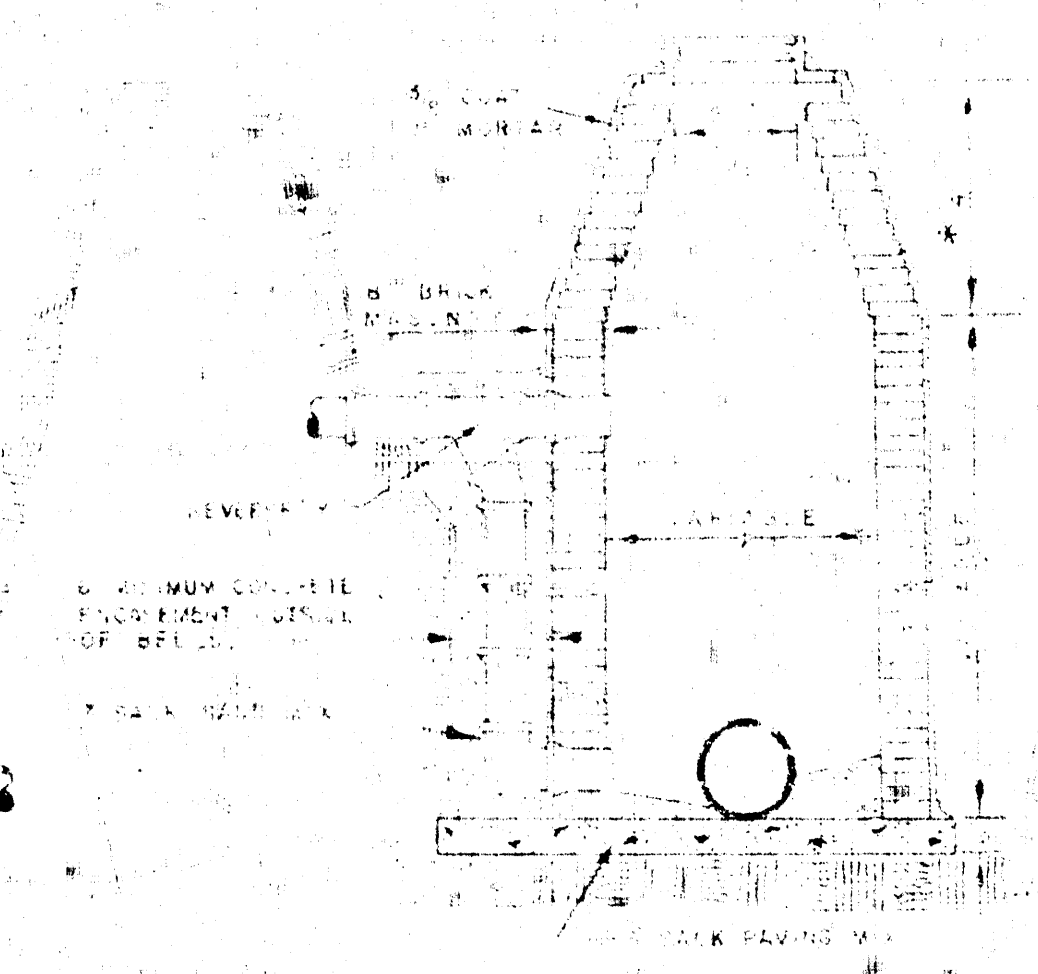
STANDARD MANHOLE
TYPE "B"



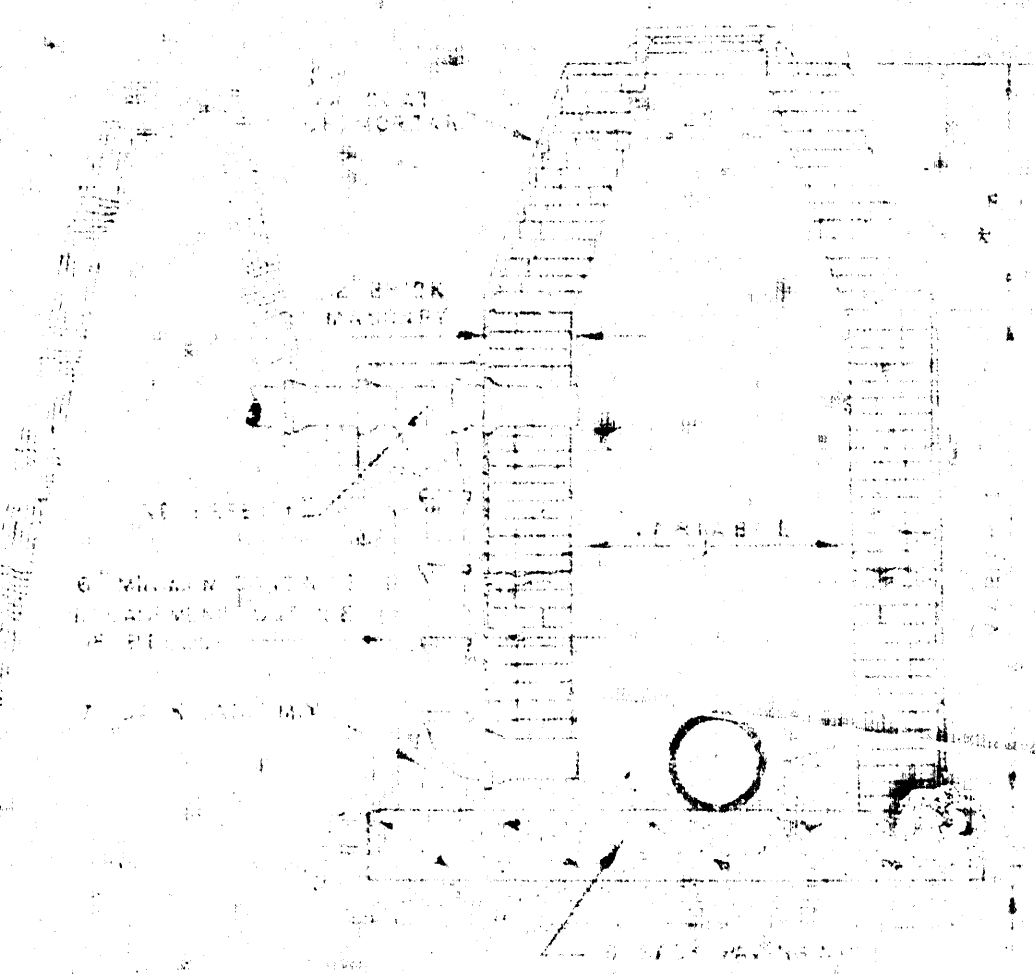
DROP MANHOLE
TYPE "A"



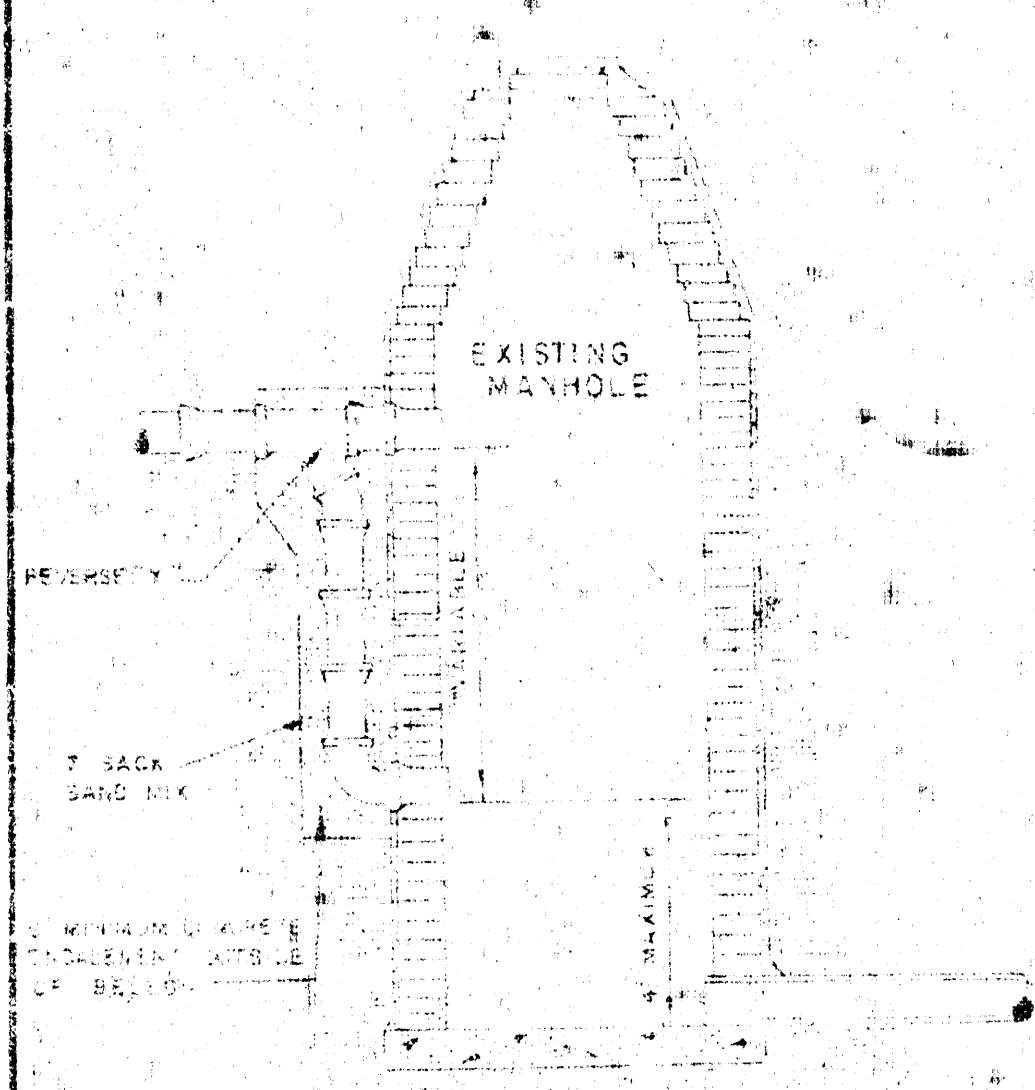
DROP MANHOLE
TYPE "B"



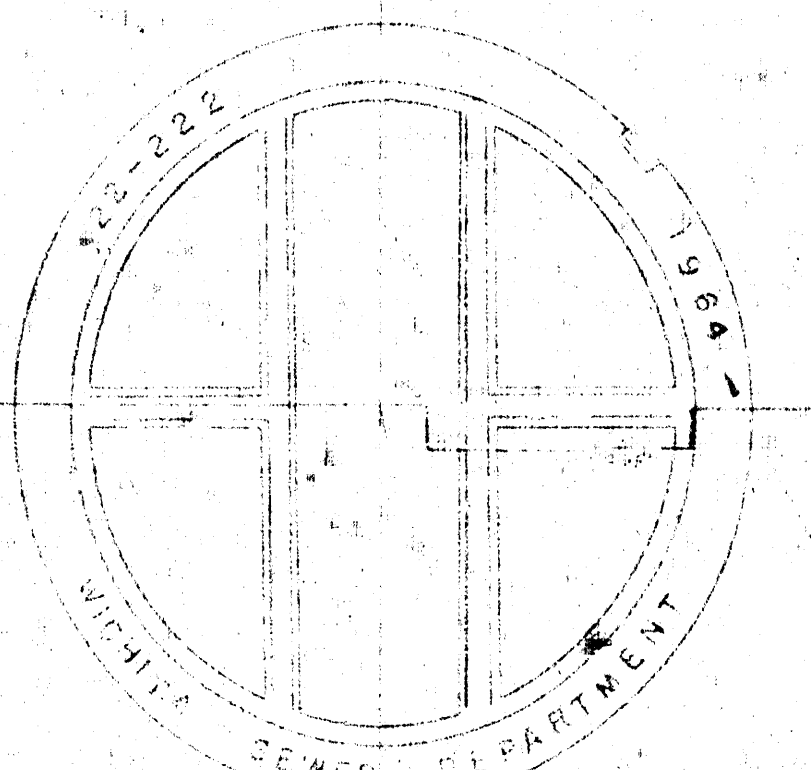
OUTSIDE DROP MANHOLE
TYPE "A"



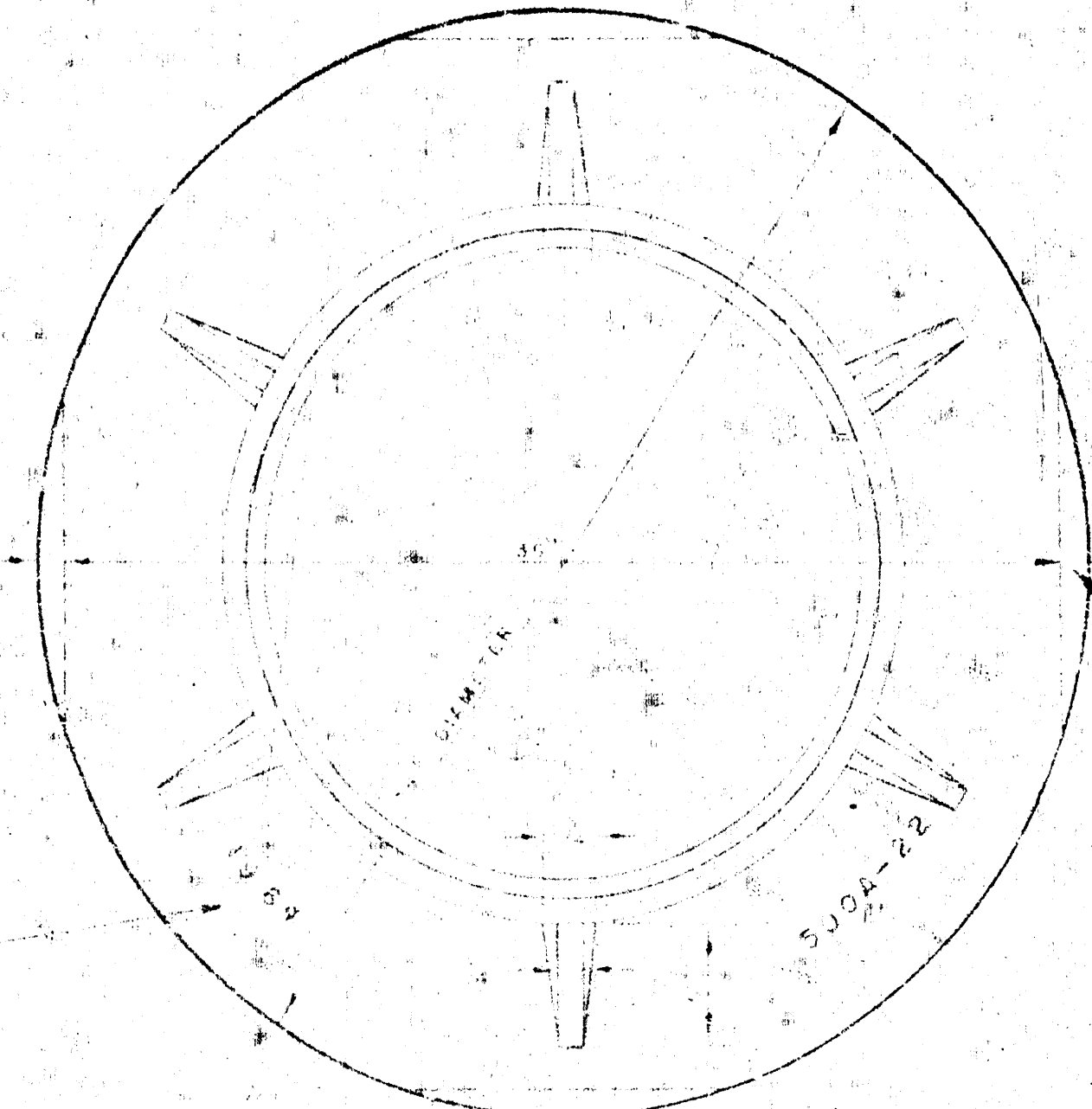
OUTSIDE DROP MANHOLE
TYPE "B"



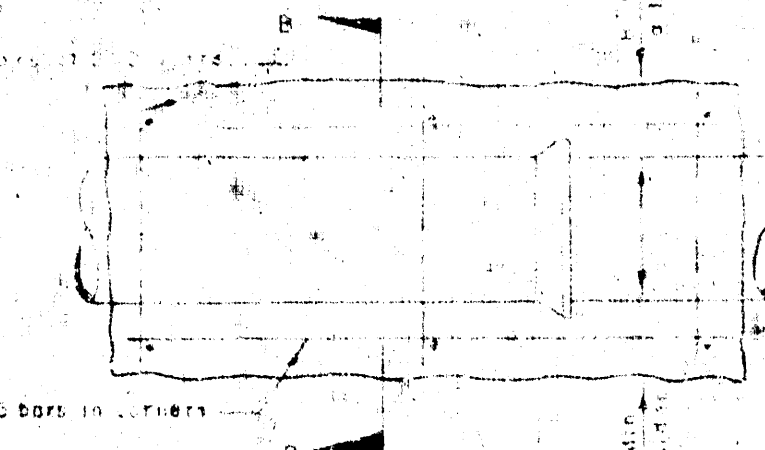
DETAIL OF DROP STACK



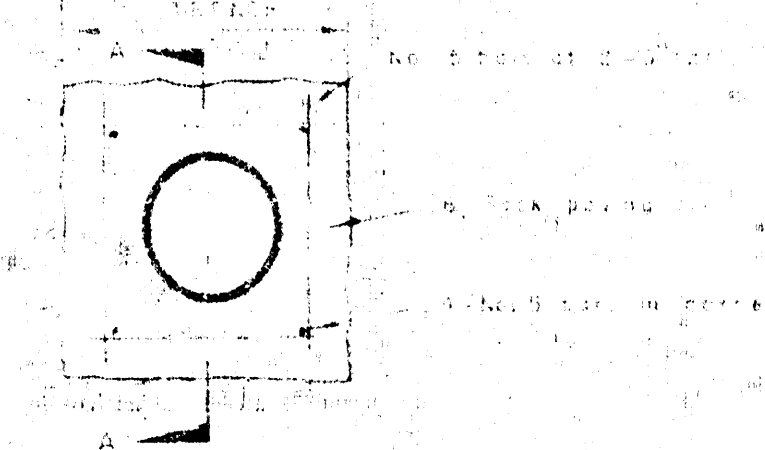
MANHOLE COVER



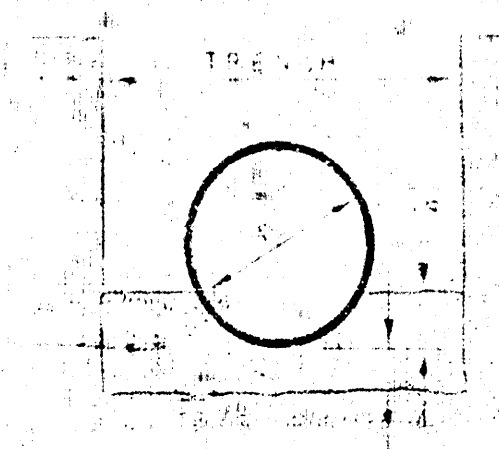
MANHOLE RING



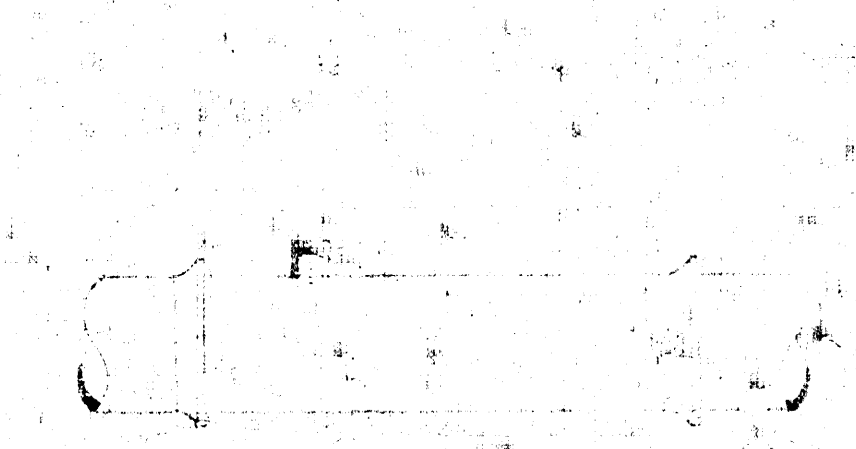
REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH



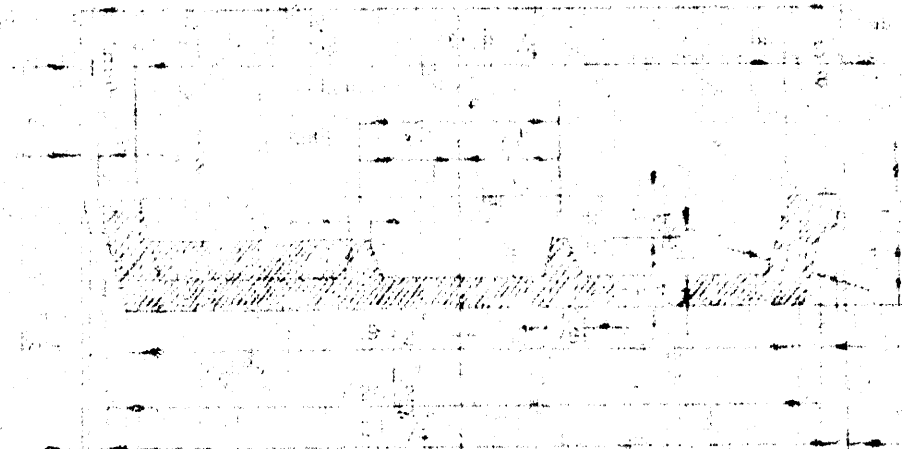
CONCRETE ENCASEMENT
FOR COVER



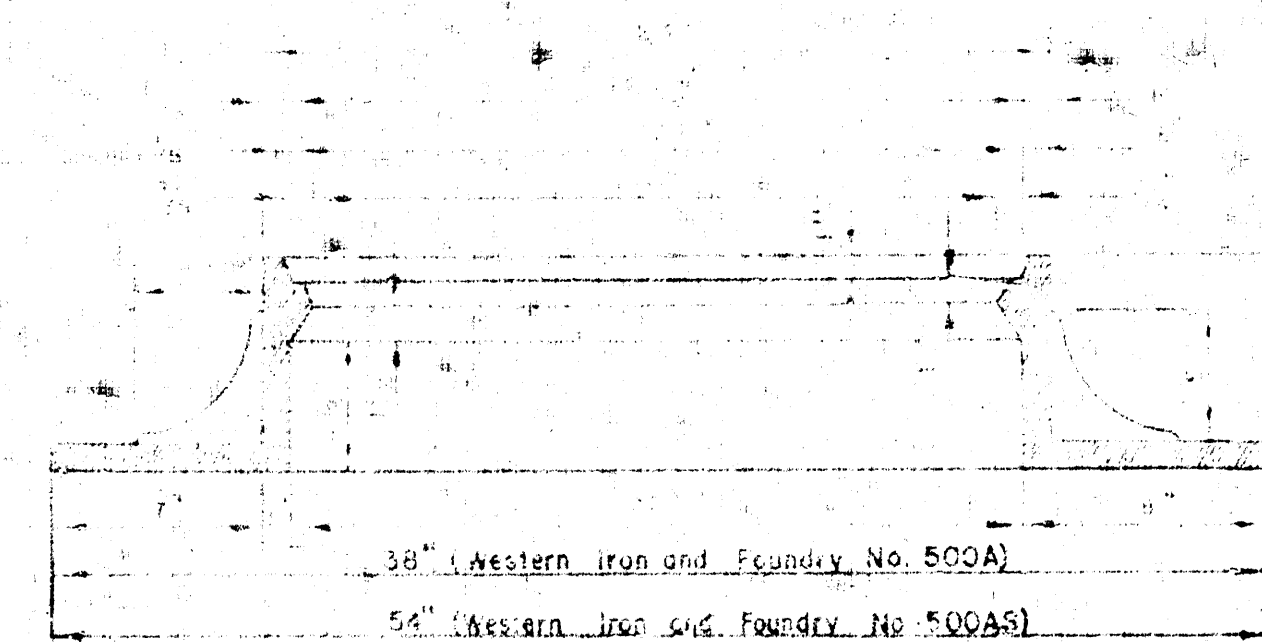
DETAIL OF CONCRETE CRADLE



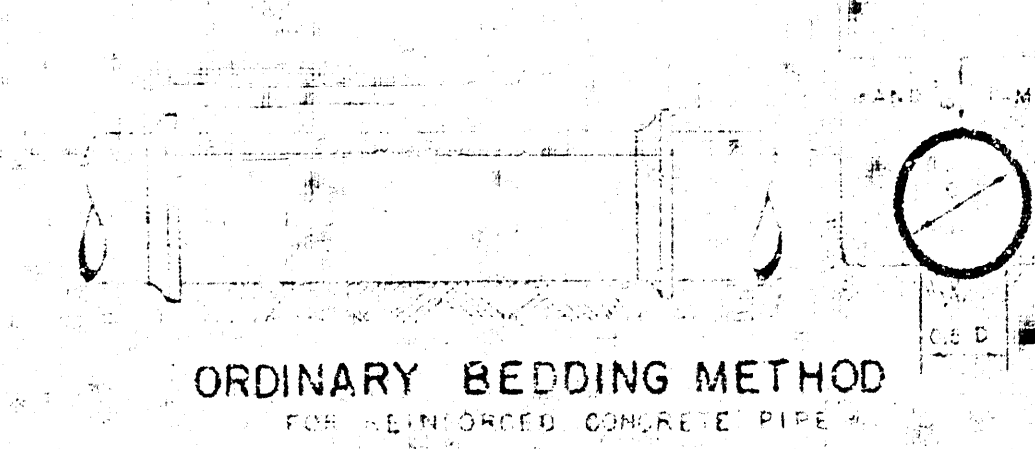
ORDINARY BEDDING METHOD



MANHOLE COVER



MANHOLE RING



ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE

DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1964