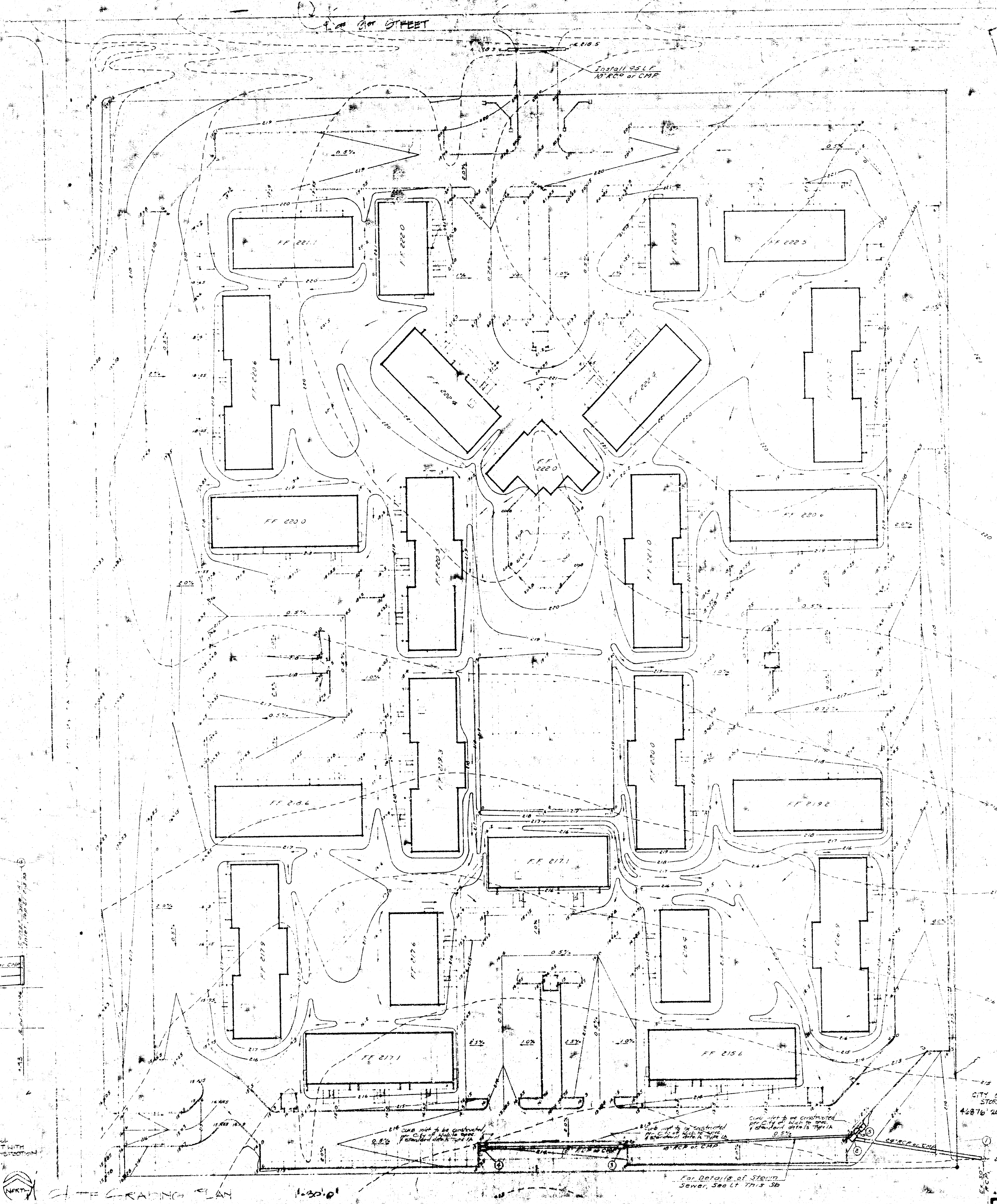
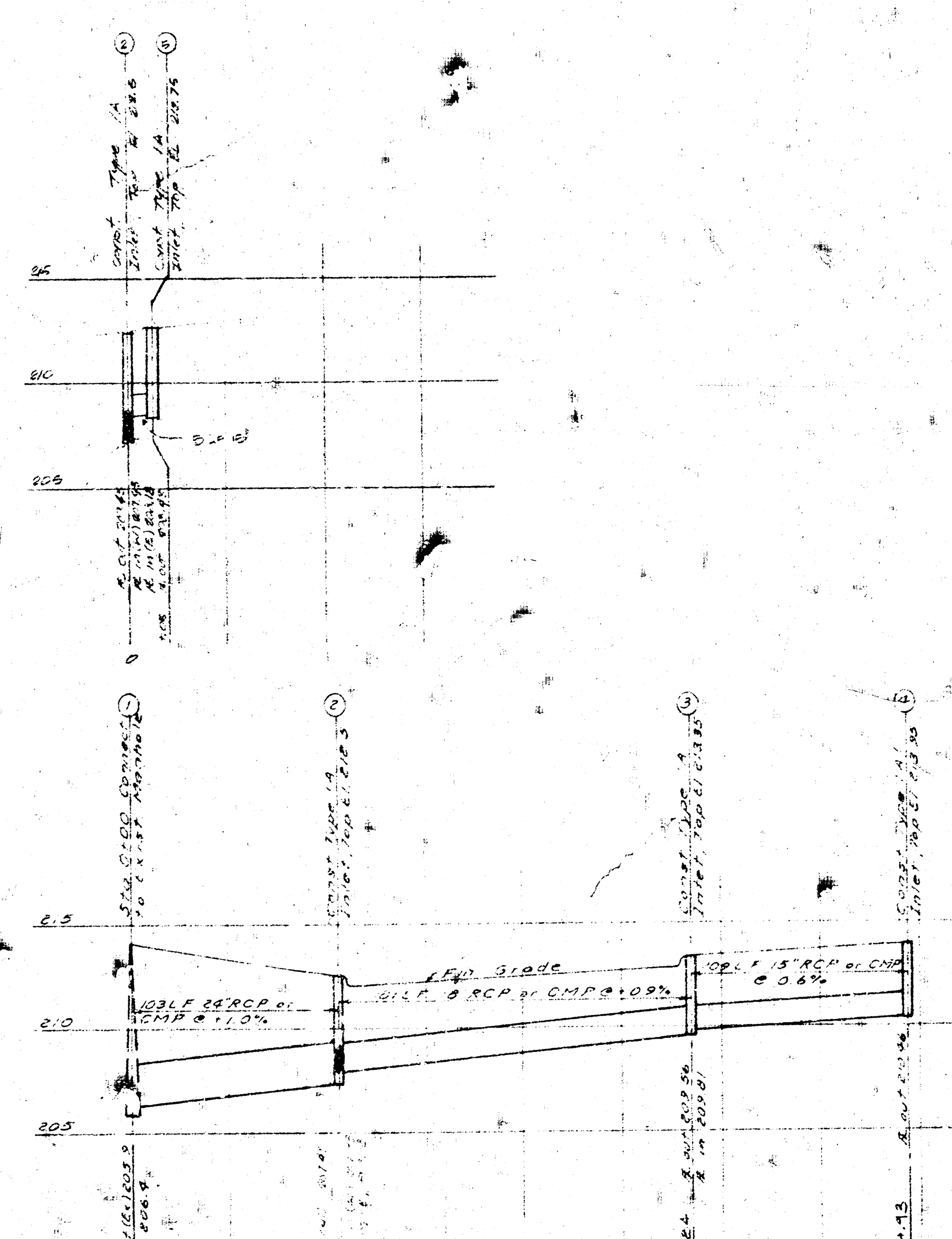




STORM SEWER DETAILS

Scale Hor 1" = 50'
Vert 1" = 5'

GENERAL NOTE: STORM SEWER CONTRACTOR SHALL SIGN A CONTRACT AGREEMENT WITH CITY OF WICHITA TO PROVIDE INSPECTION OF STORM SEWER

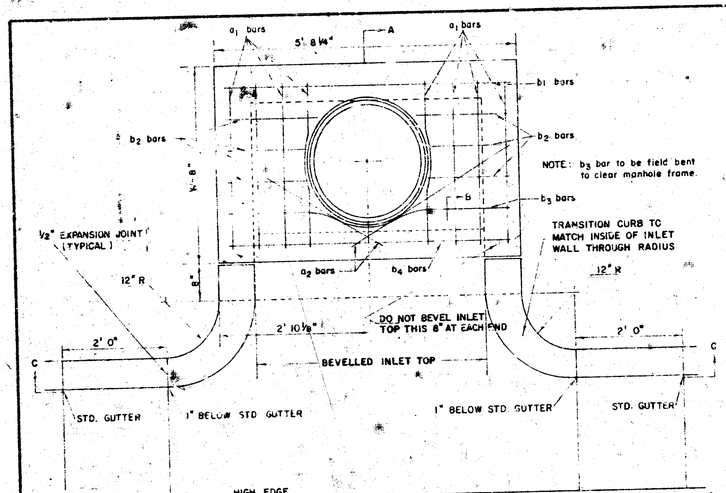
JEFF KREHBIEL ASSOCIATES, aia
architecture · planning

sheet title
SITE GRADING

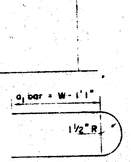
sheet
SG-L 1/2
of sheets

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PLAN (SCALE 1" = 1'0")

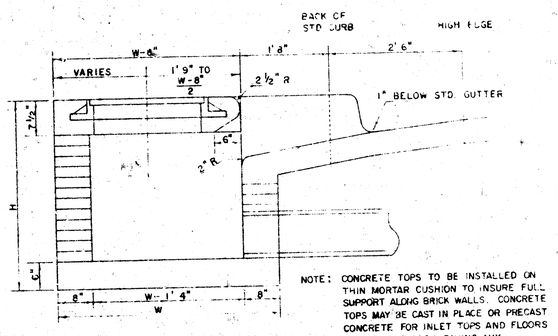


BENDING DIAGRAM

STEEL SCHEDULE

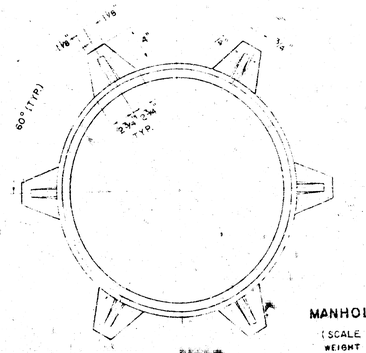
BAR	a_1	a_2*	b_1					b_2	b_3	b_4	WT. LBS.
NUMBER	6	2	1	3	5	7	5	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'2"	6'5"	3'4"	5'5"	–	–	–	–	1'9"	5'6"	5'5"	60#
LENGTH W=5'0"	8' 1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77#
LENGTH W=6'0"	10' 1"	5'4"	–	–	5'5"	–	–	1'9"	5'6"	5'5"	97#
LENGTH W=7'0"	11' 1"	6'4"	–	–	–	5'5"	–	1'9"	5'6"	5'5"	111#
LENGTH W=8'0"	12' 1"	7'4"	–	–	–	–	5'5"	1'9"	5'6"	5'5"	124#

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

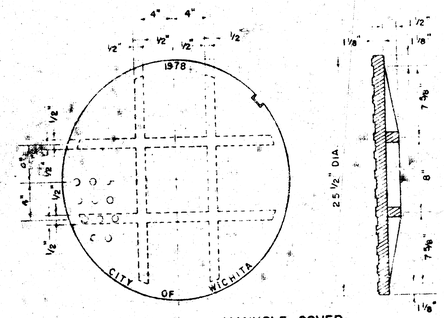


SECTION A-A
(SCALE 1" = 1'0")

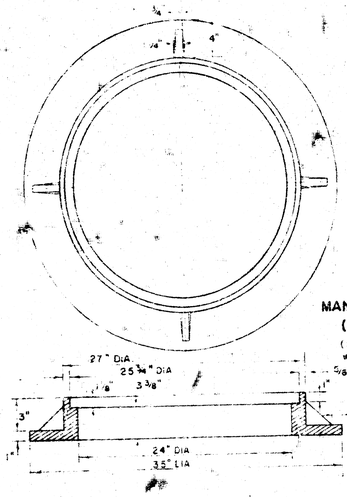
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.



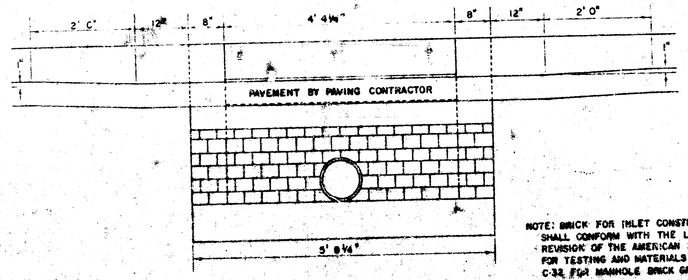
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.

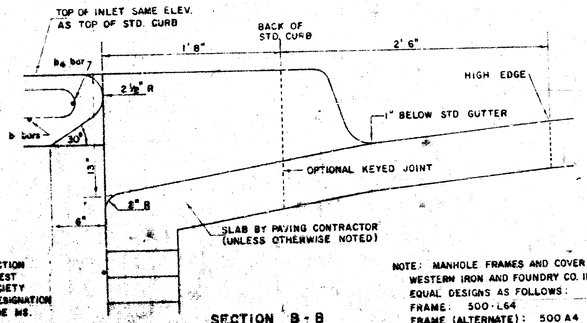


SECTION C-C
(SCALE 1" = 1'0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 2"	36"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 #
5' 0"	44"x5'8 1/4"x7 1/2"	24" & 30"	0.57 #
6' 0"	52"x5'8 1/4"x7 1/2"	36" & 42"	0.71 #
7' 0"	60"x5'8 1/4"x7 1/2"	48" & 54"	0.84 #
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97 #

GROSS VOLUME



SECTION B-B
(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 500-L66
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

DETAIL STANDARD TYPE iA CURB INLET

CITY OF WICHITA, KANSAS

R. W. LINN – CITY ENGINEER

OCTOBER 1978

14 15

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