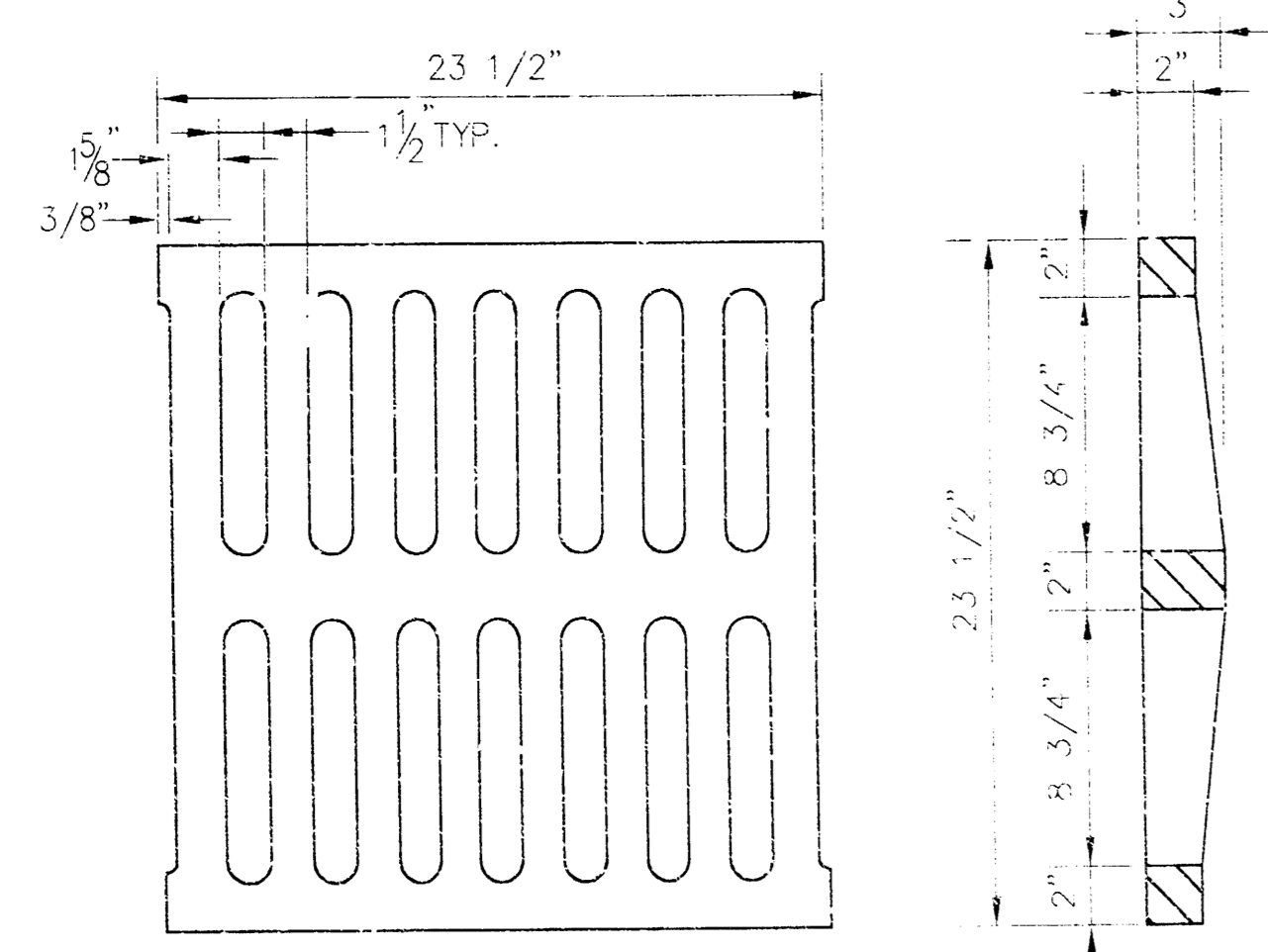
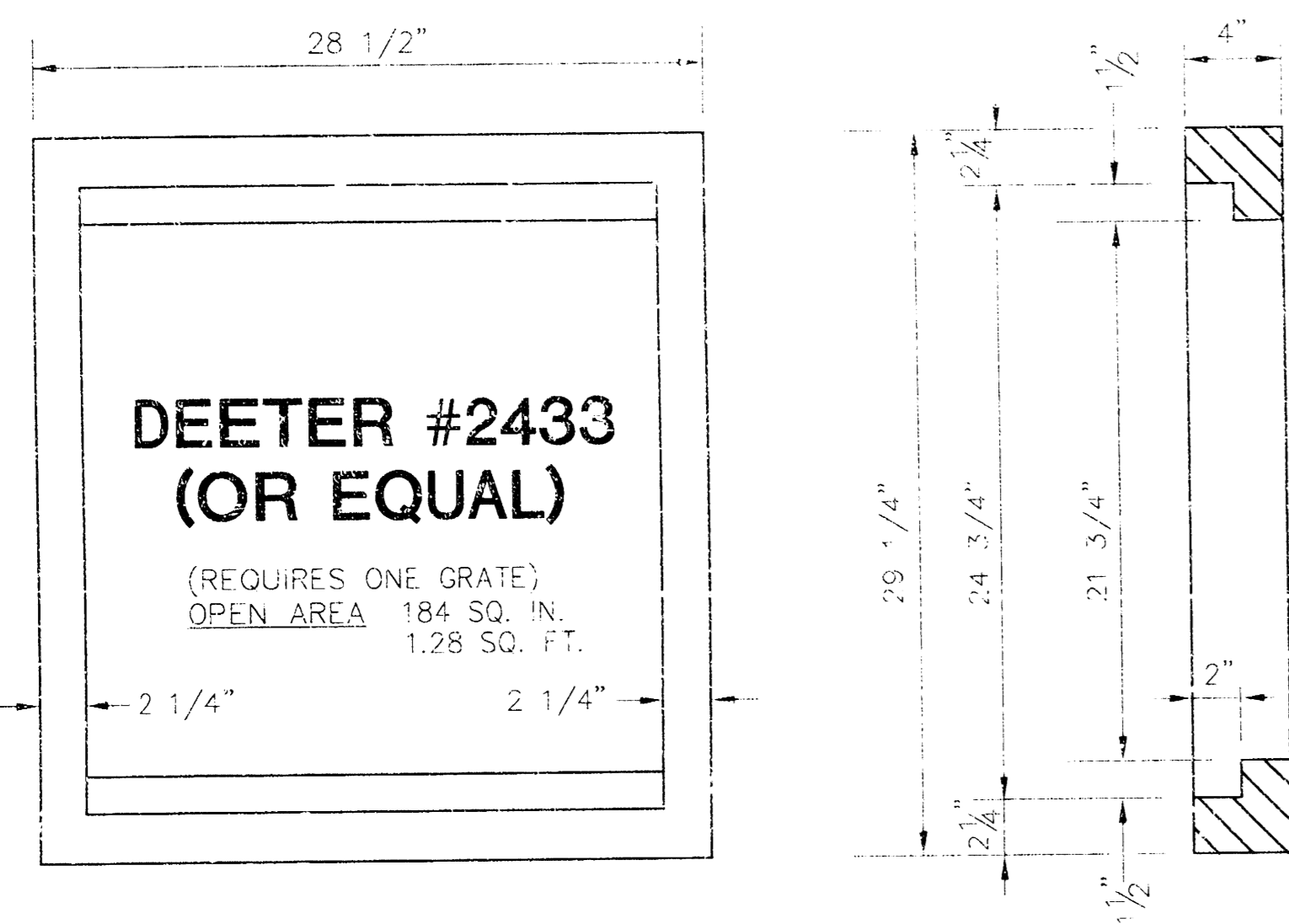


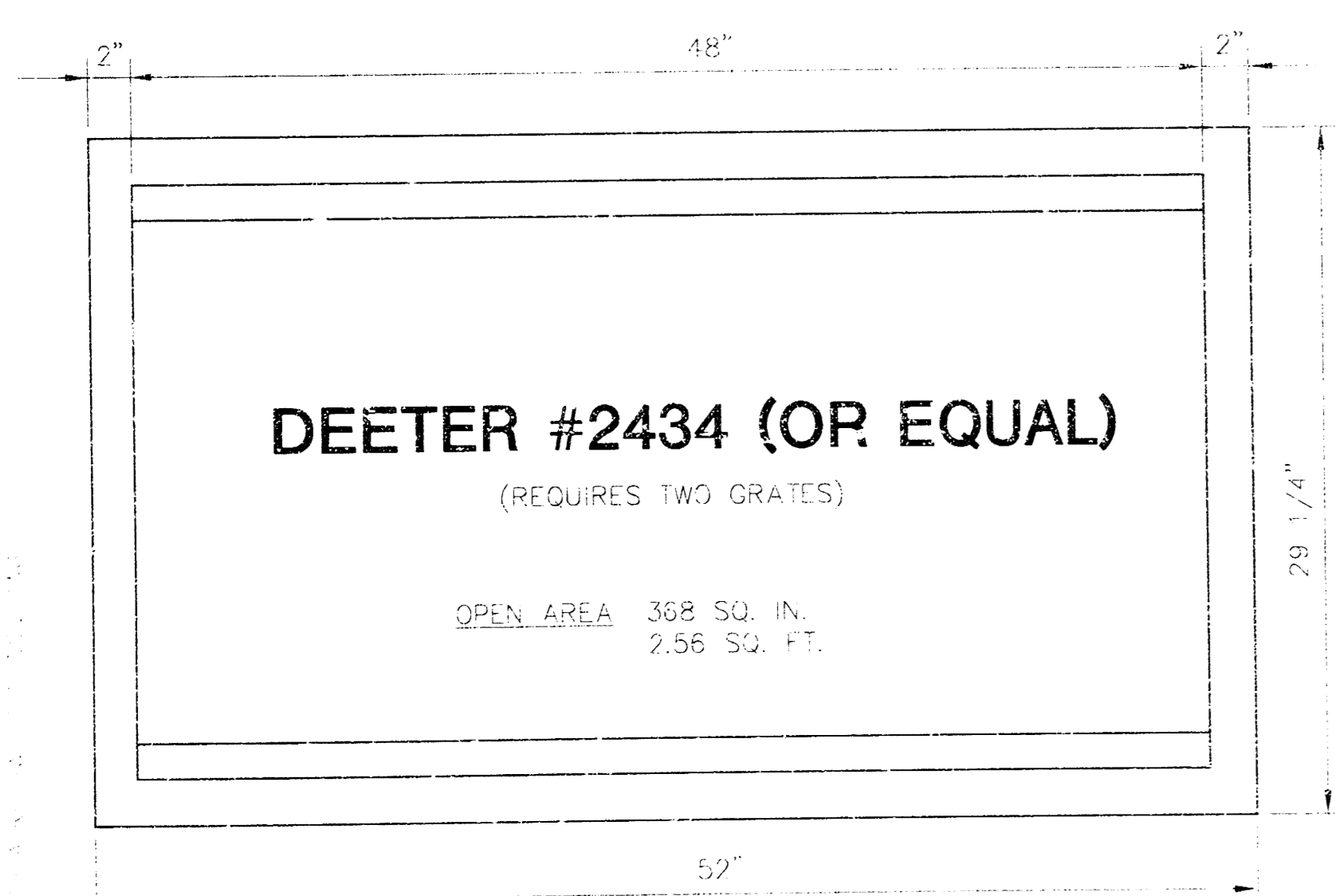
NOTE: GRATES SHALL BE IMPRINTED ON THE TOP SURFACE WITH "CITY OF WICHITA" USING LETTERS AT LEAST 1" IN HEIGHT. OTHER MARKING METHODS MAY BE USED ONLY IF APPROVED BY THE ENGINEER.



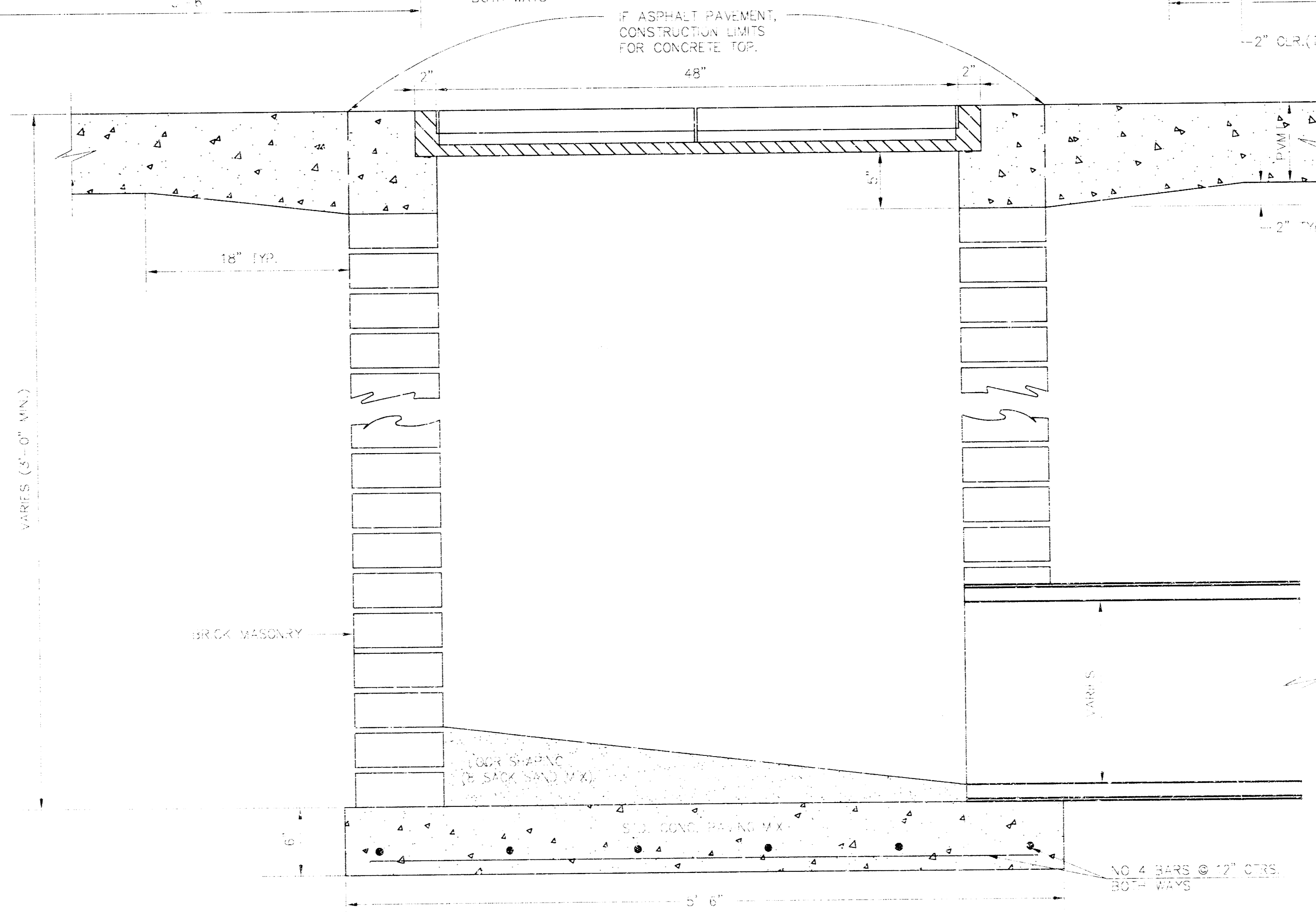
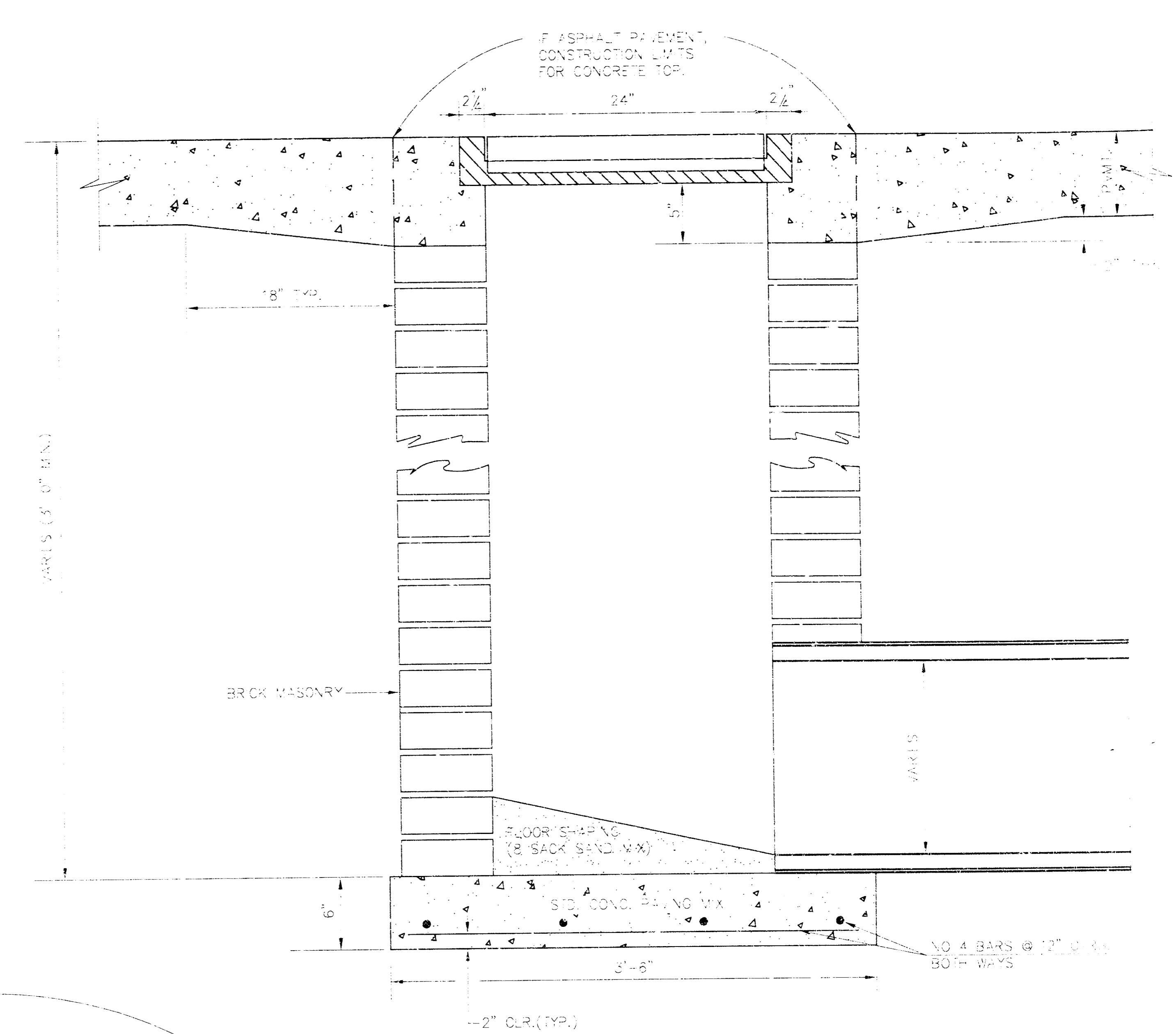
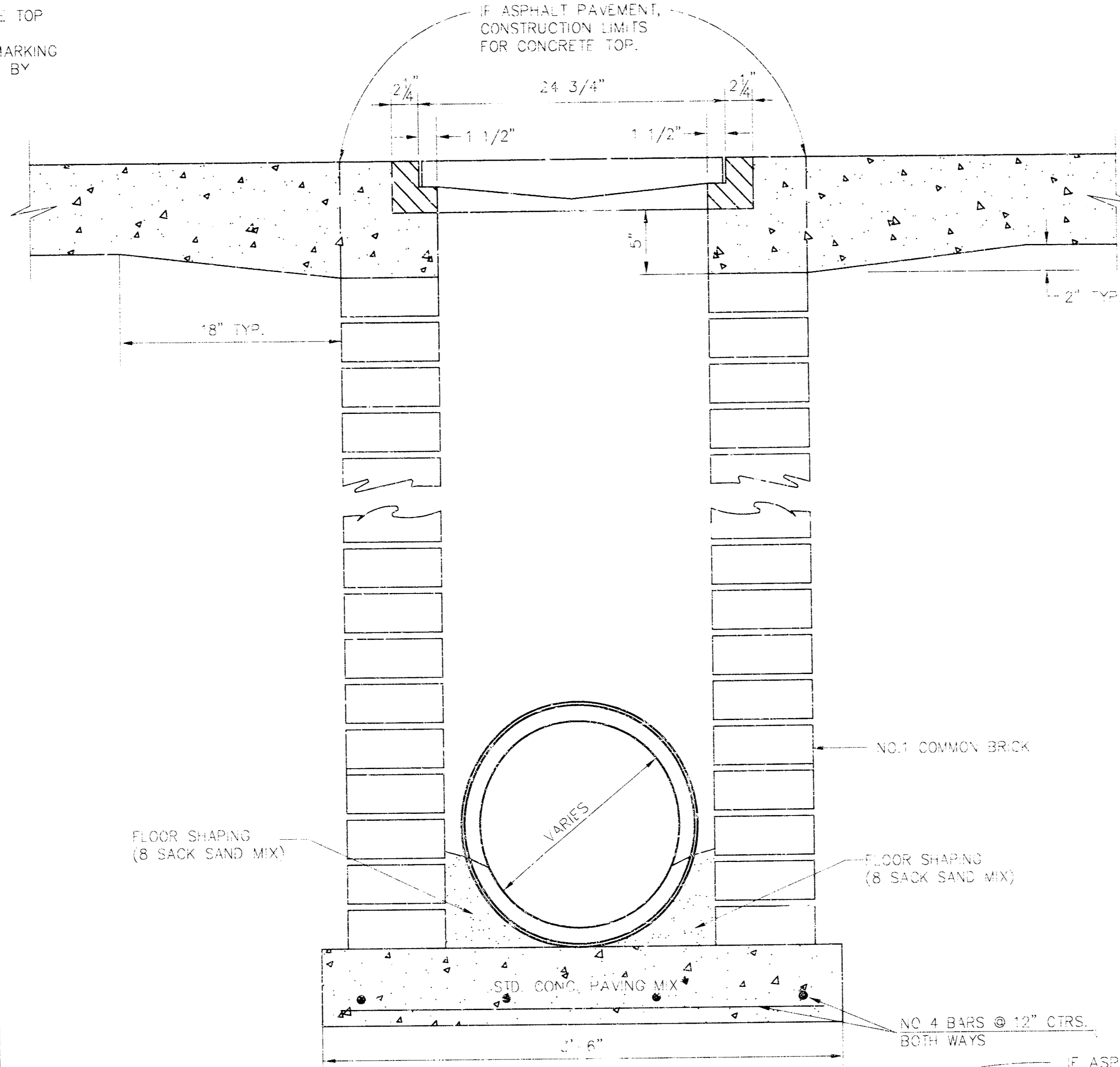
24"x24" GRATE DETAIL



SINGLE 24"x24" FRAME DETAIL



DOUBLE 24"x24" FRAME DETAIL



ORIFICE EQUATION		
$Q = C_d A \sqrt{2gh}$ $C_d = 0.60$		
h (DEPTH)	#2433 (SINGLE)	#2434 (DOUBLE)
0.1	1.95 cfs	3.89 cfs
0.2	2.75 cfs	5.50 cfs
0.3	3.37 cfs	6.73 cfs
0.4	3.89 cfs	7.78 cfs
0.5	4.35 cfs	8.70 cfs
0.6	4.77 cfs	9.53 cfs
0.7	5.15 cfs	10.30 cfs
0.8	5.50 cfs	11.01 cfs
0.9	5.84 cfs	11.67 cfs
1.0	6.15 cfs	12.30 cfs

REVISED: 5-8-90 JNJ

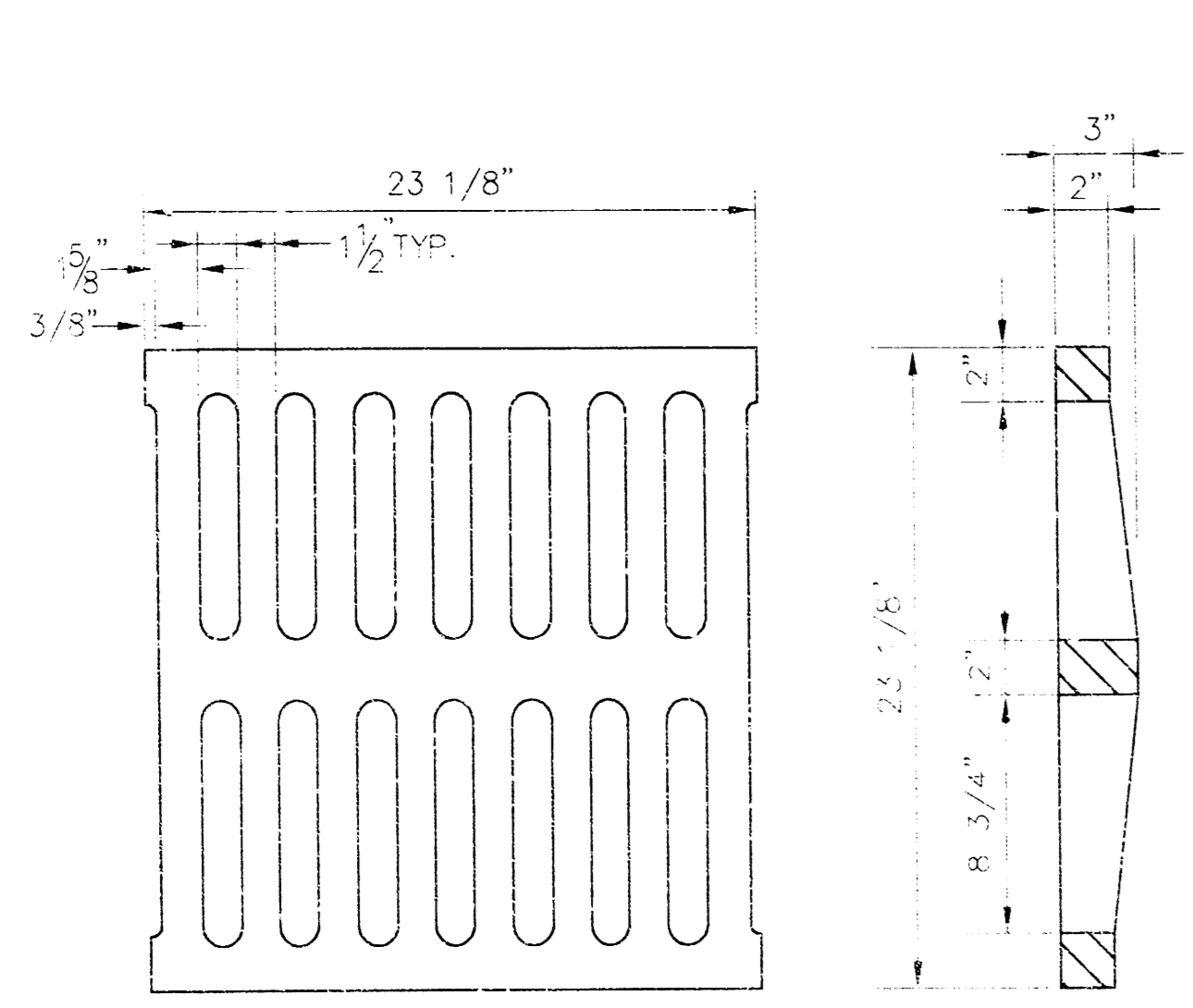
2/9

DROP INLET DETAILS

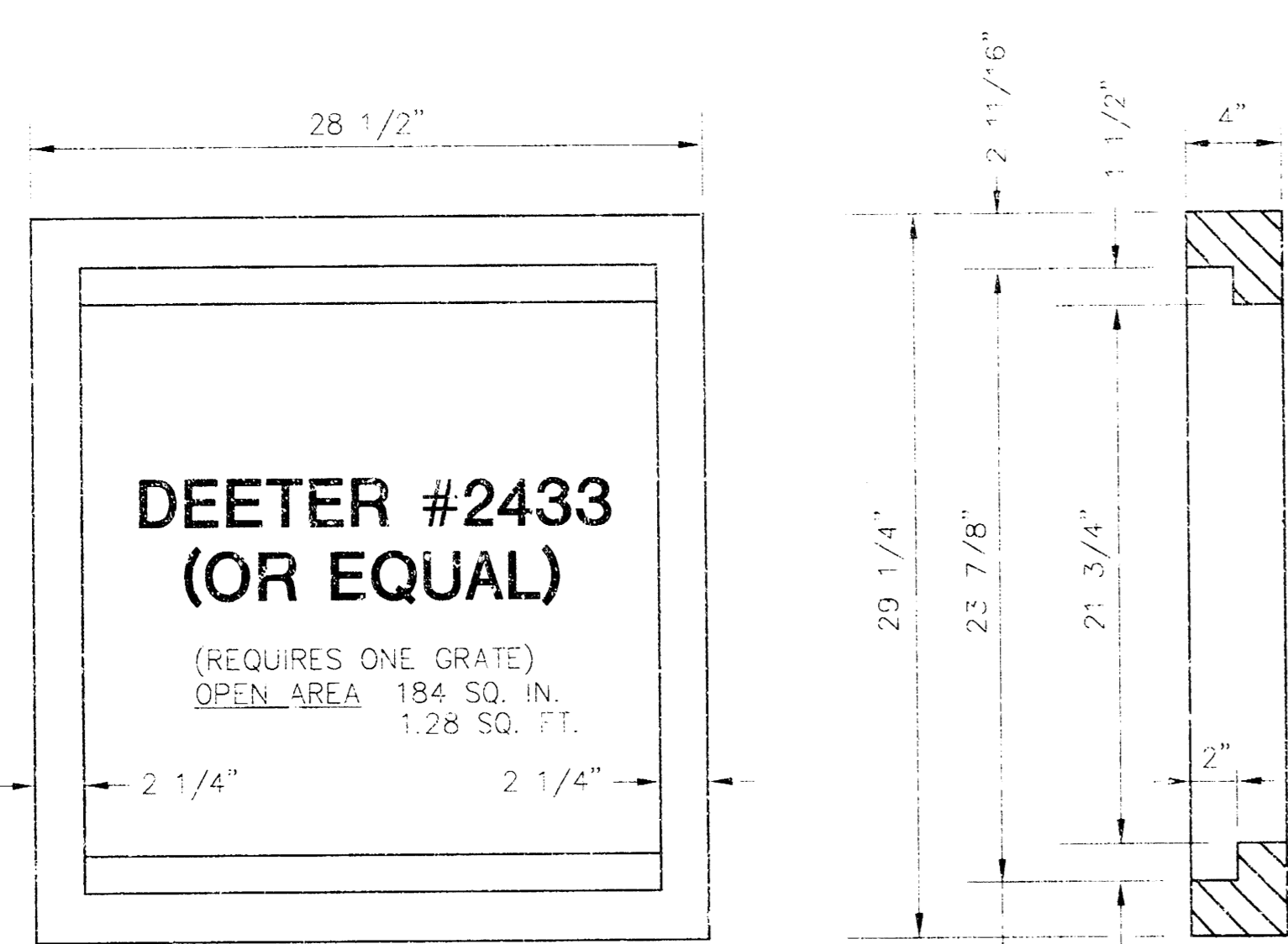
CITY OF WICHITA, KANSAS

Design	Checked by	Checked by	
Drawn by	Date	Date	Job No.

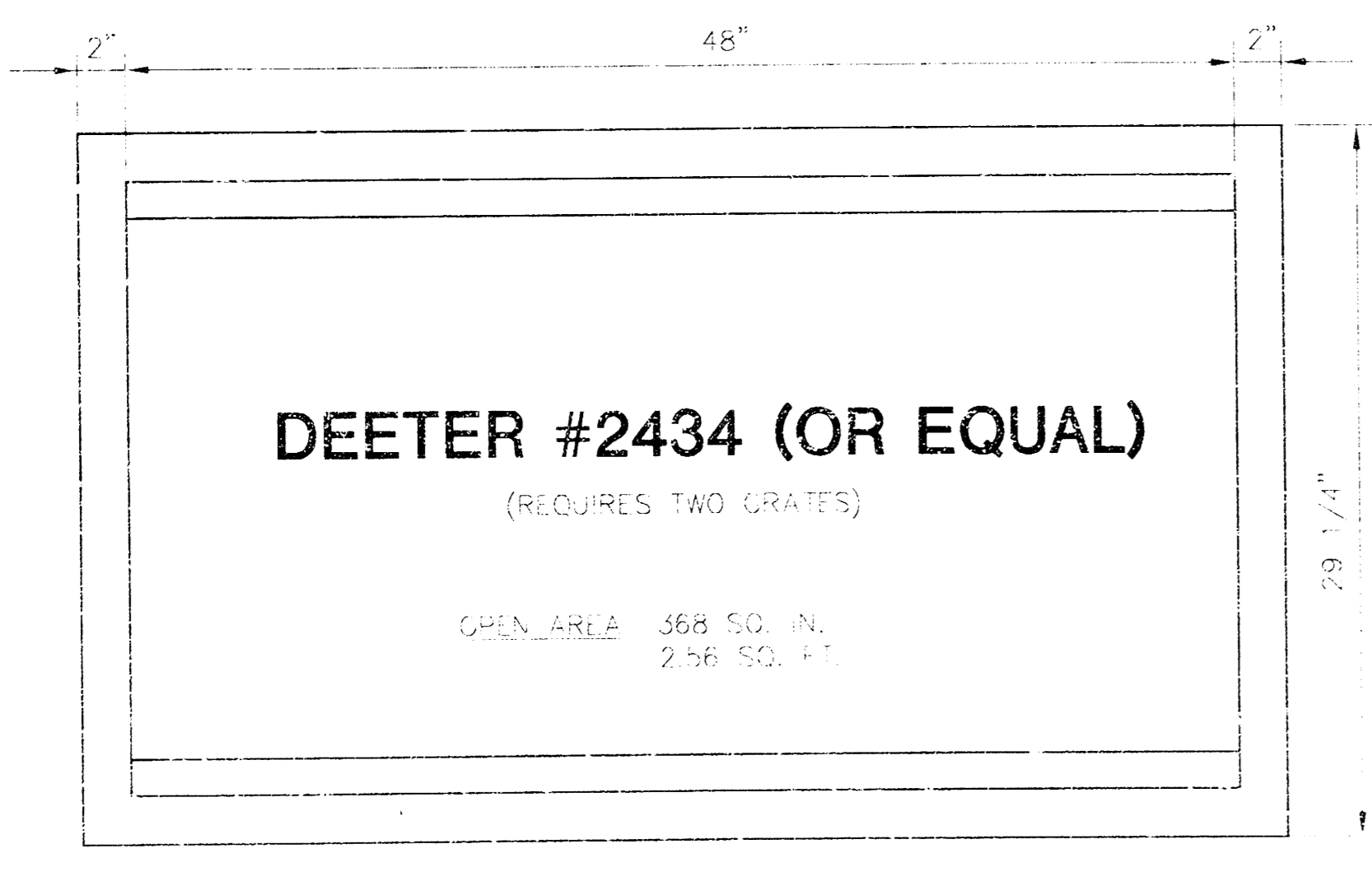
NOTE: GRATES SHALL BE IMPRINTED ON THE TOP SURFACE WITH "CITY OF WICHITA" USING LETTERS AT LEAST 1" IN HEIGHT. OTHER MARKING METHODS MAY BE USED ONLY IF APPROVED BY THE ENGINEER.



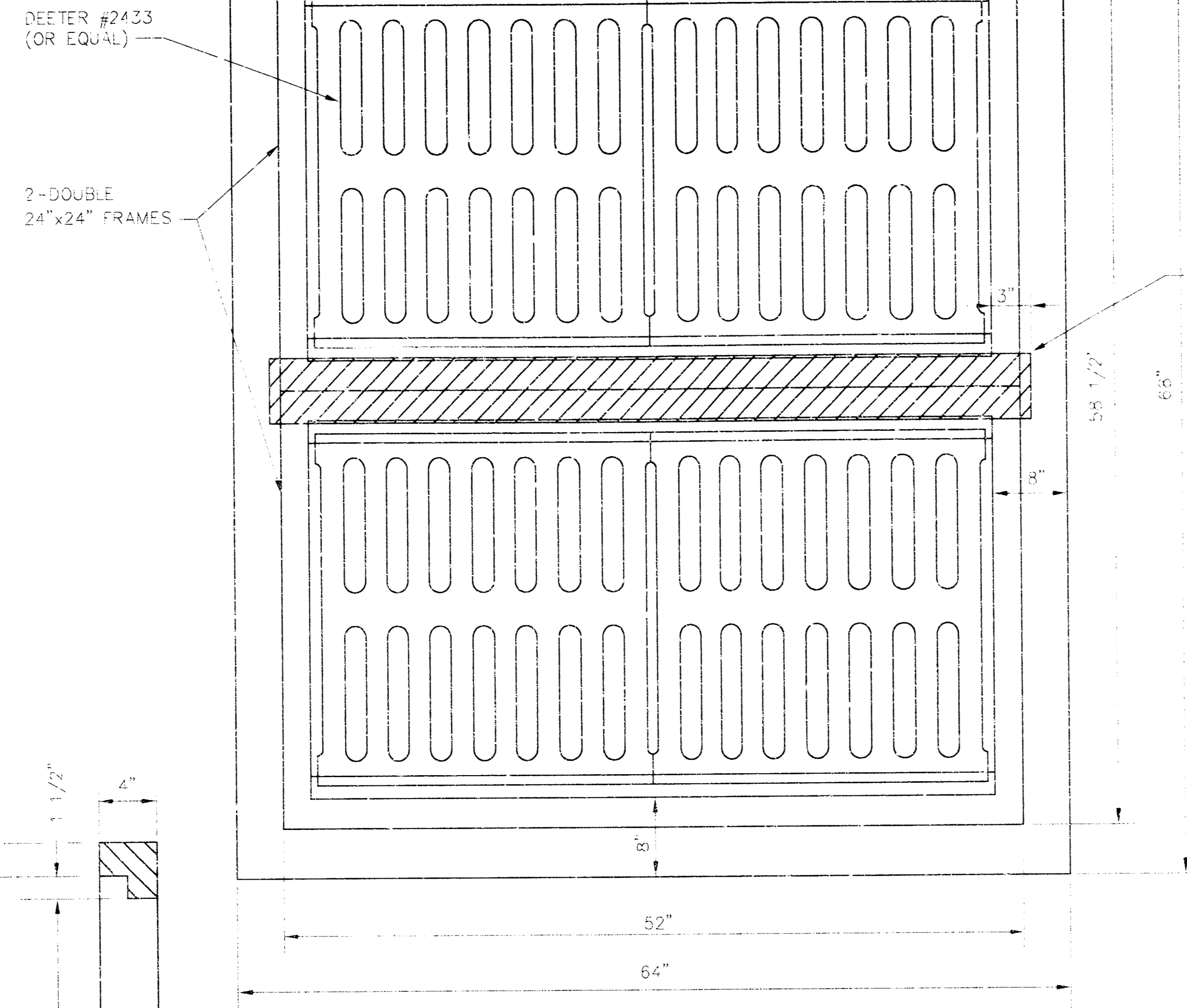
24"x24" GRATE DETAIL



SINGLE 24"x24" FRAME DETAIL

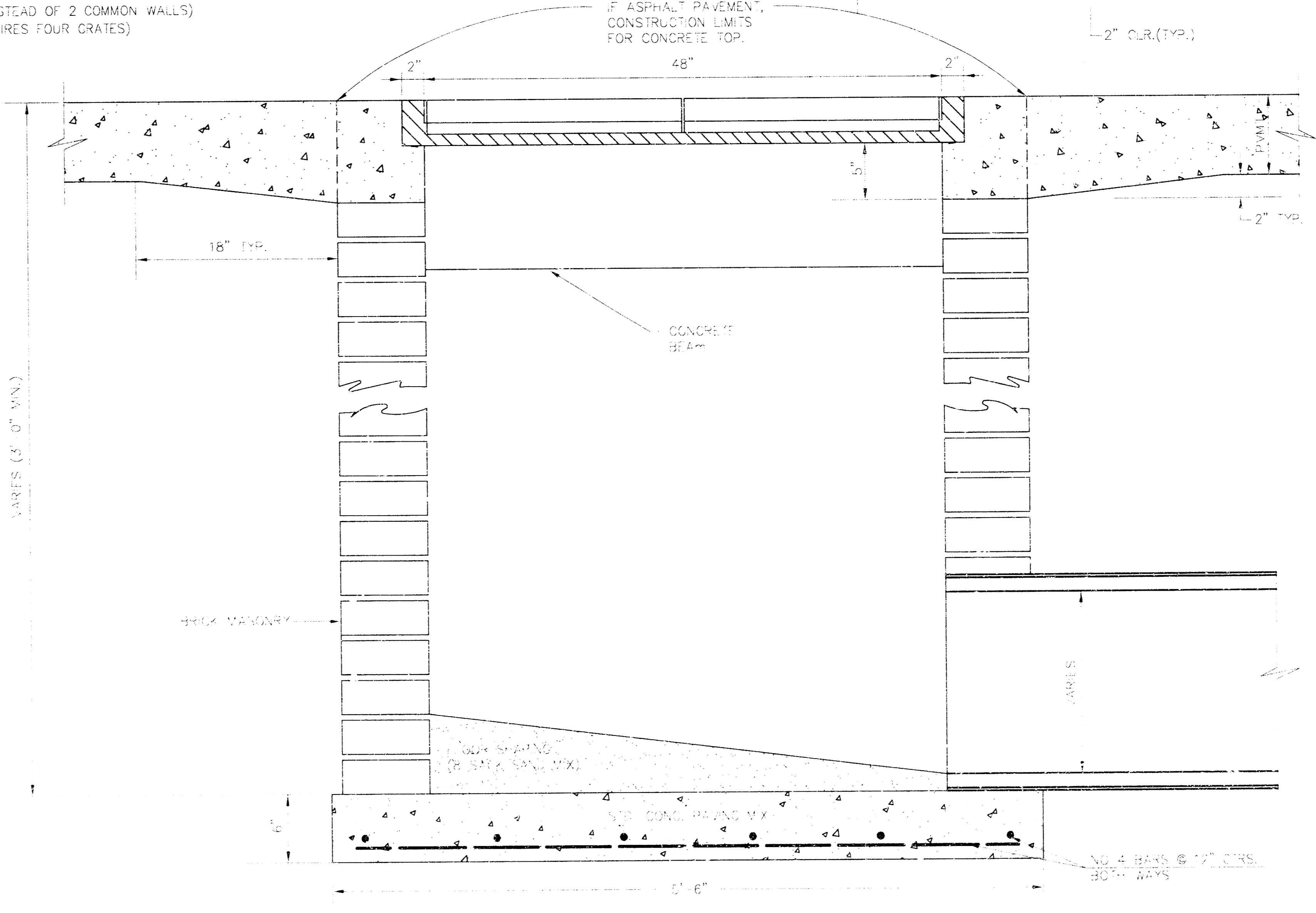
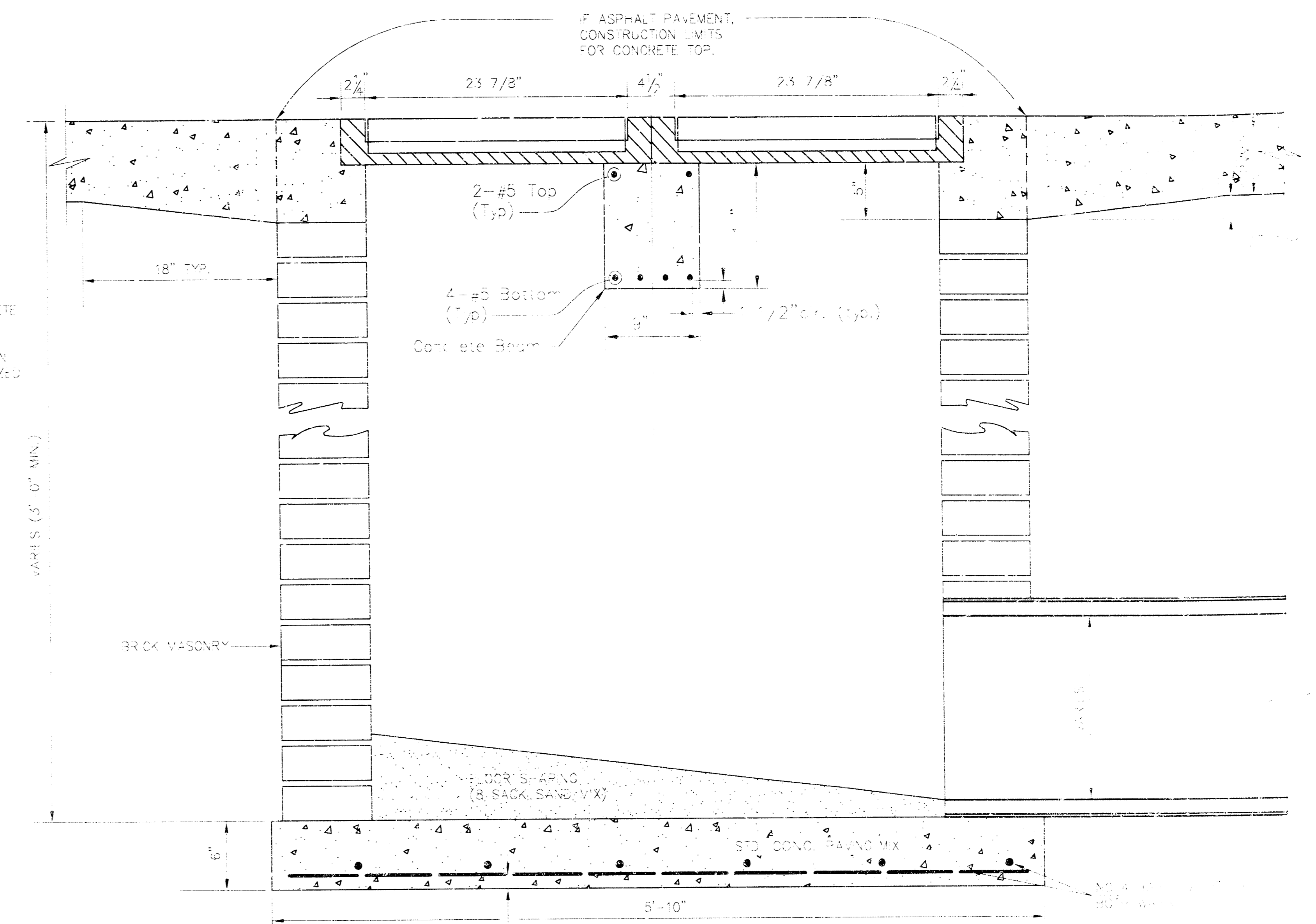


DOUBLE 24"x24" FRAME DETAIL



ALTERNATE 2-DOUBLE DROP INLET

(USING BEAM INSTEAD OF 2 COMMON WALLS)
(REQUIRES FOUR GRATES)



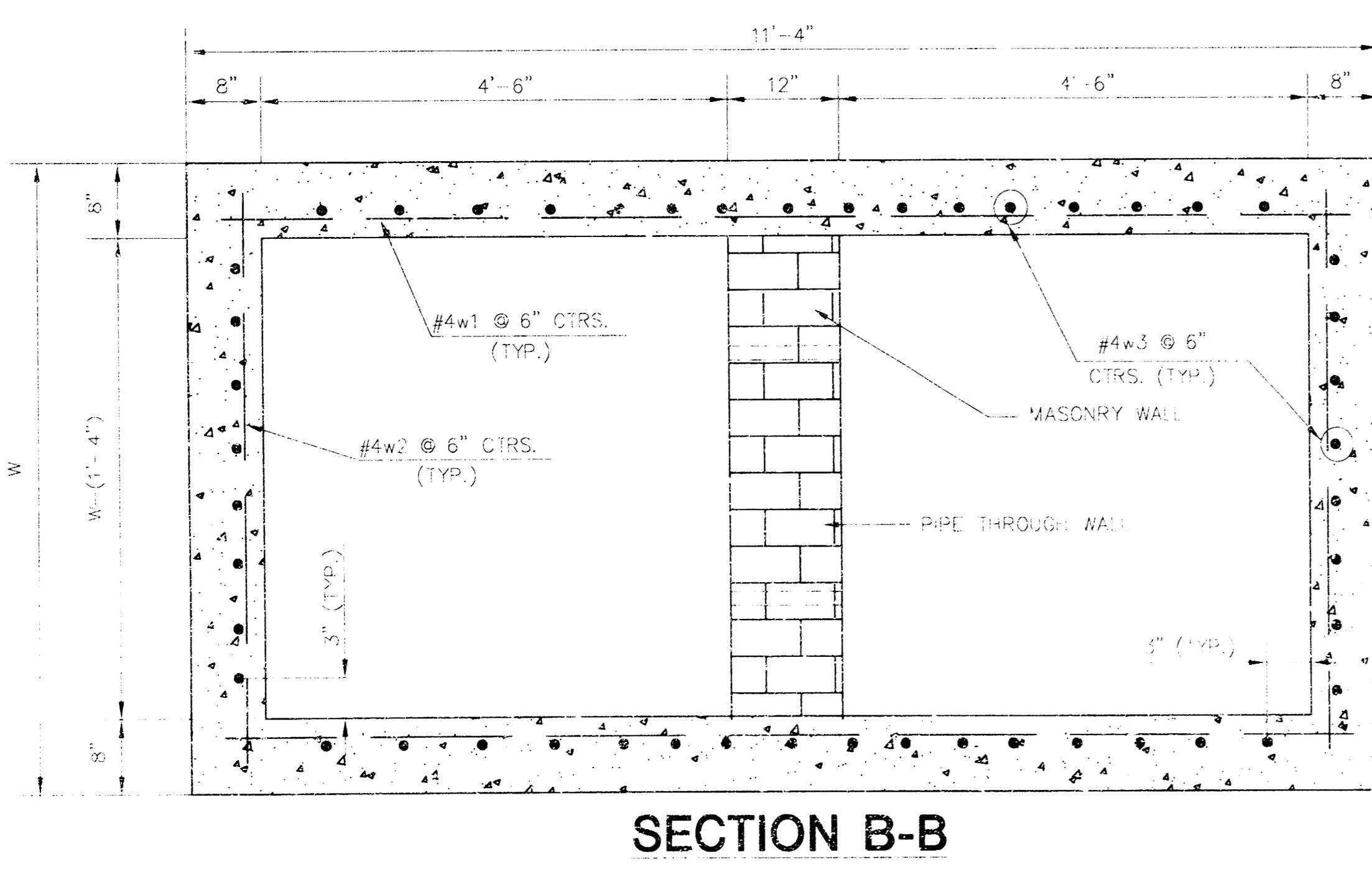
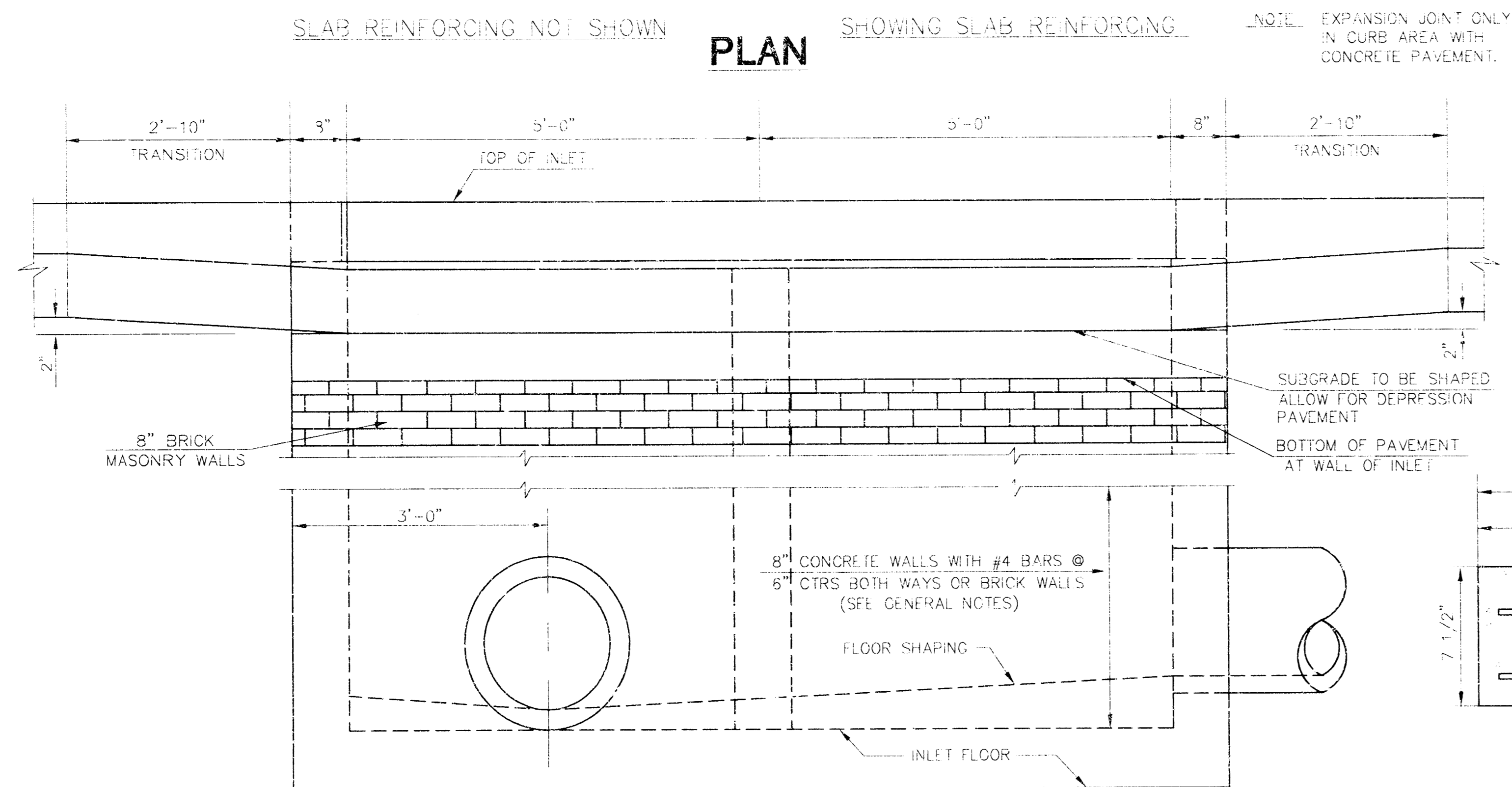
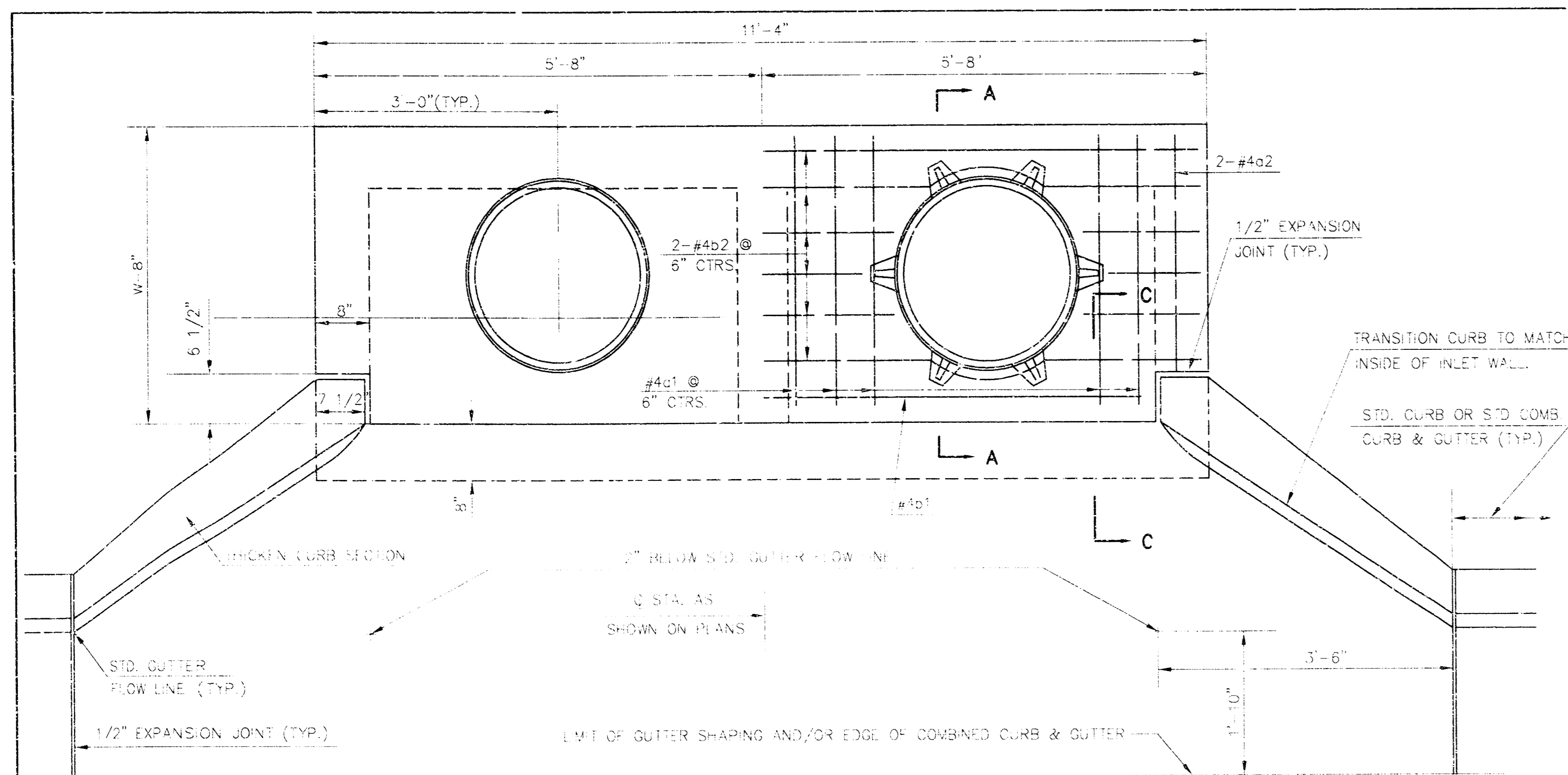
ORIFICE EQUATION		
$Q = C_d A \sqrt{2gh}$		
h (DEPTH)	#2433 (SINGLE)	#2434 (DOUBLE)
0.1	1.39 cfs	2.78
0.2	2.78 cfs	5.56
0.3	4.17 cfs	8.34
0.4	5.56 cfs	11.12
0.5	6.95 cfs	13.90
0.6	8.34 cfs	16.68
0.7	9.73 cfs	19.46
0.8	11.12 cfs	22.24
0.9	12.51 cfs	25.02
1.0	13.90 cfs	27.80

REVISED: 5-8-90 JNJ

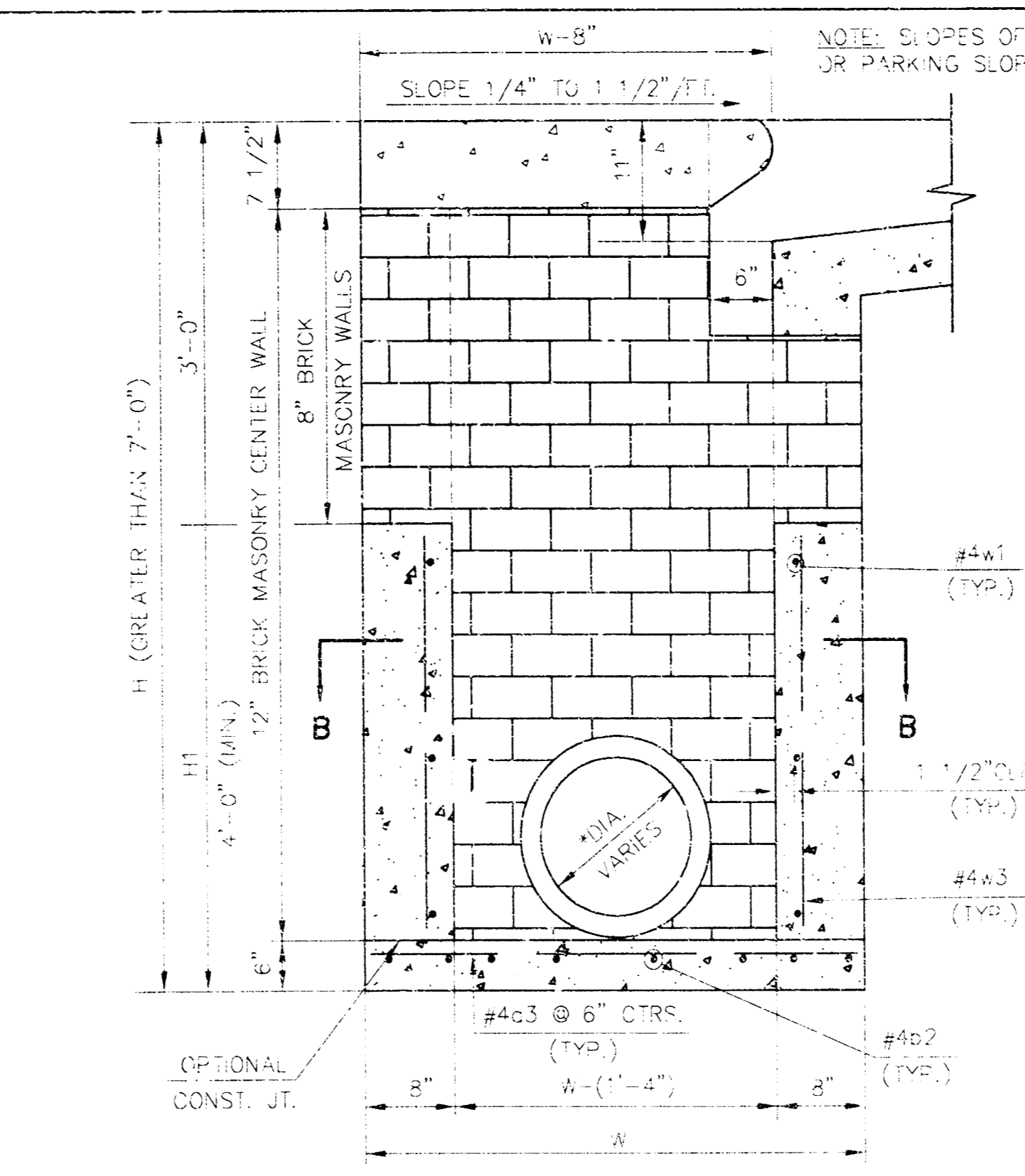
DROP INLET DETAILS

CITY OF WICHITA, KANSAS

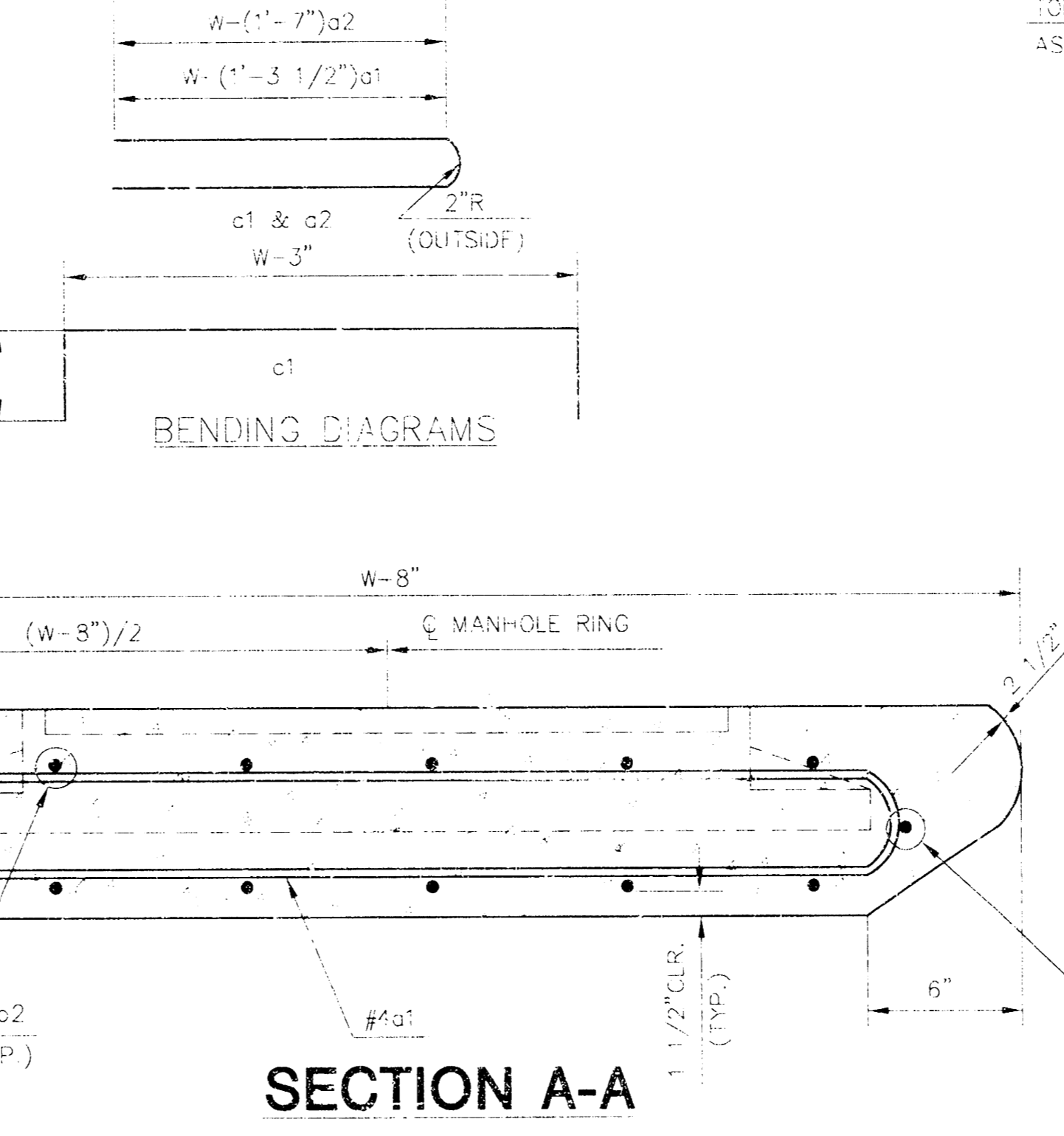
Design: C.C.L.	Checked by:	Checked by:	
Drawn by:	Date:	Date:	Job No.:



SECTION B-B



TYPICAL INLET SECTION AT CENTER WALL (REINFORCED CONCRETE WALLS)

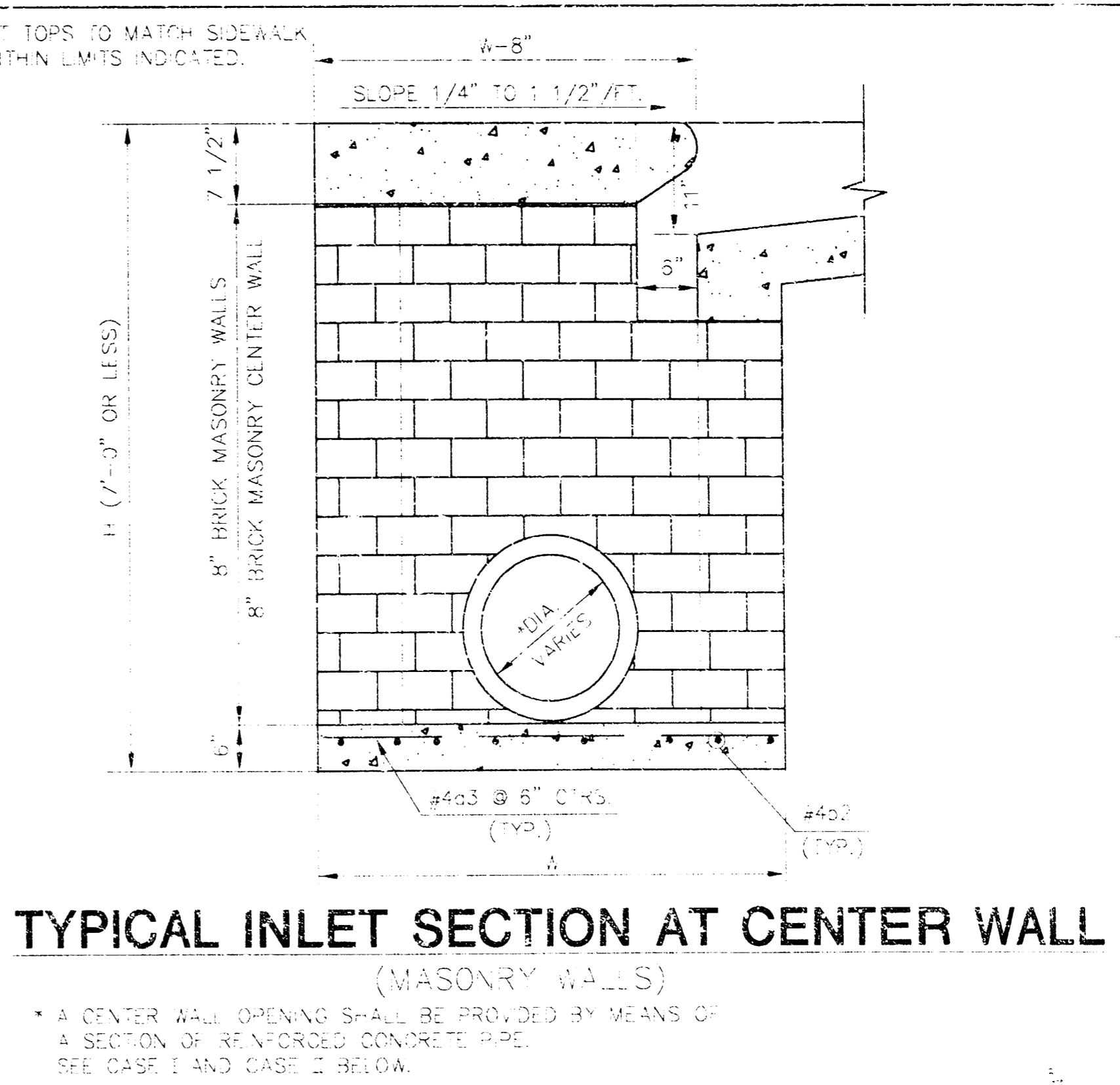


SECTION A-A

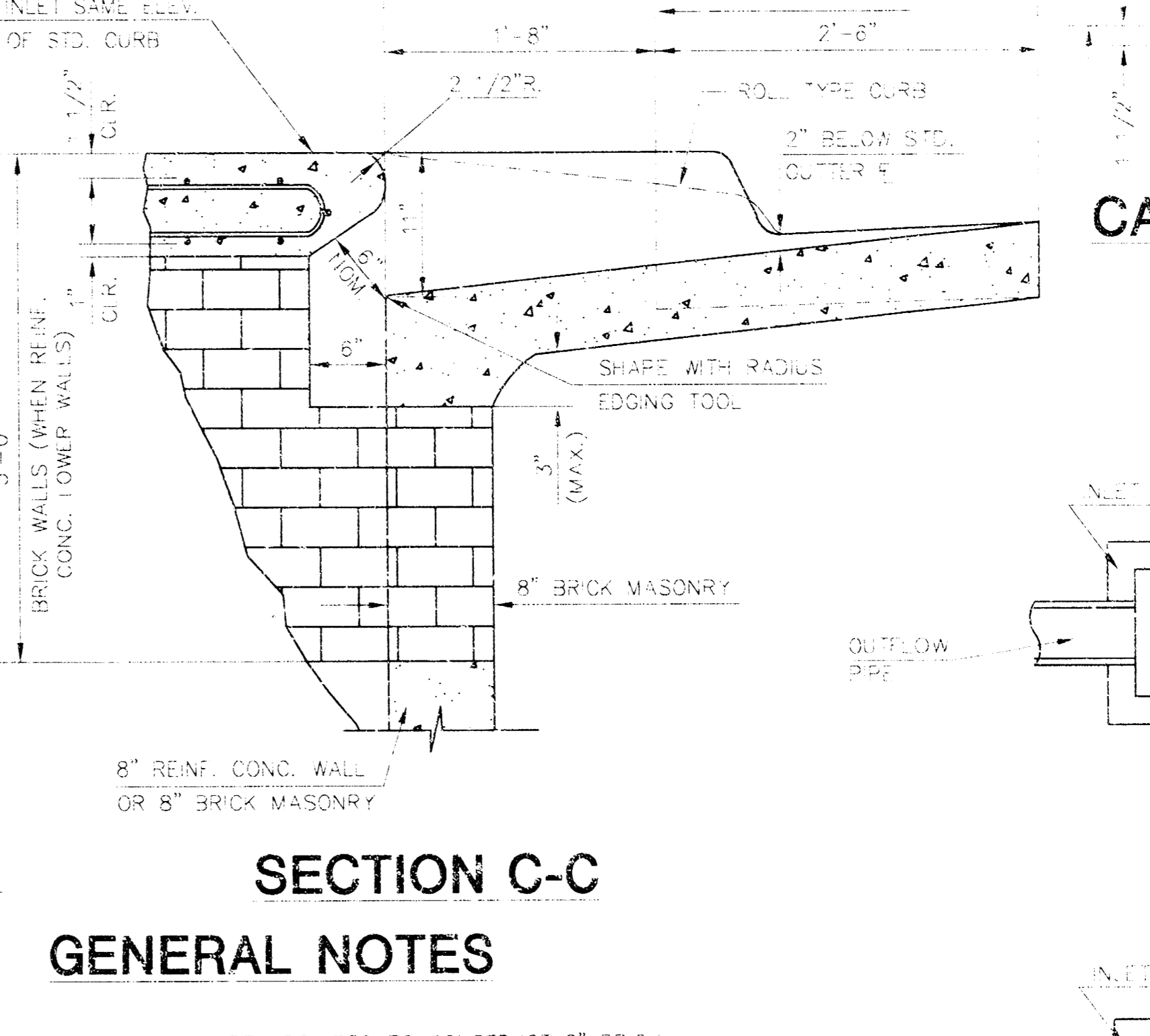
SLAB AND FLOOR REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#4	13	6'-7 1/4"	13	5'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
c2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
c3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
d1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
d2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#6	4	11'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
a1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
a2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
a3	#6	②	②	②	②	②	②	②	②	②	②

* 1/2" END OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
 ① 40# (6") 4 (11'-6") ROUNDED DOWN TO NEAREST 0.5"
 ② 40# (4") 16"
 ③ 11# (9")



TYPICAL INLET SECTION AT CENTER WALL (MASONRY WALLS)

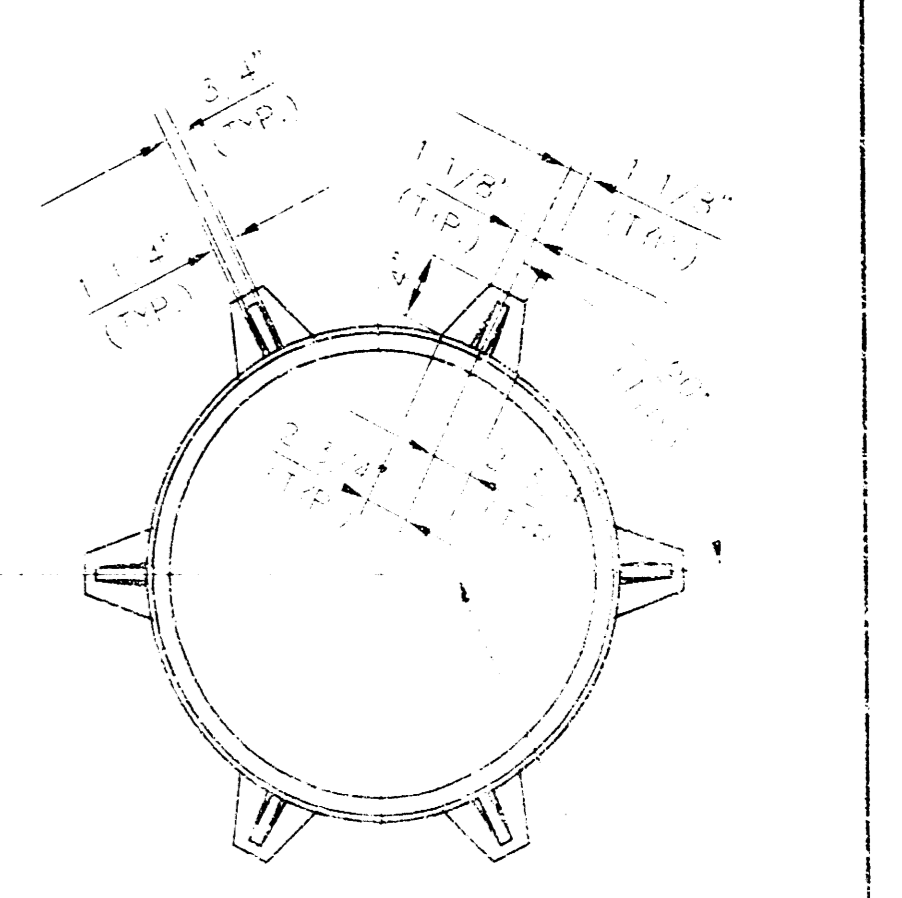


SECTION C-C

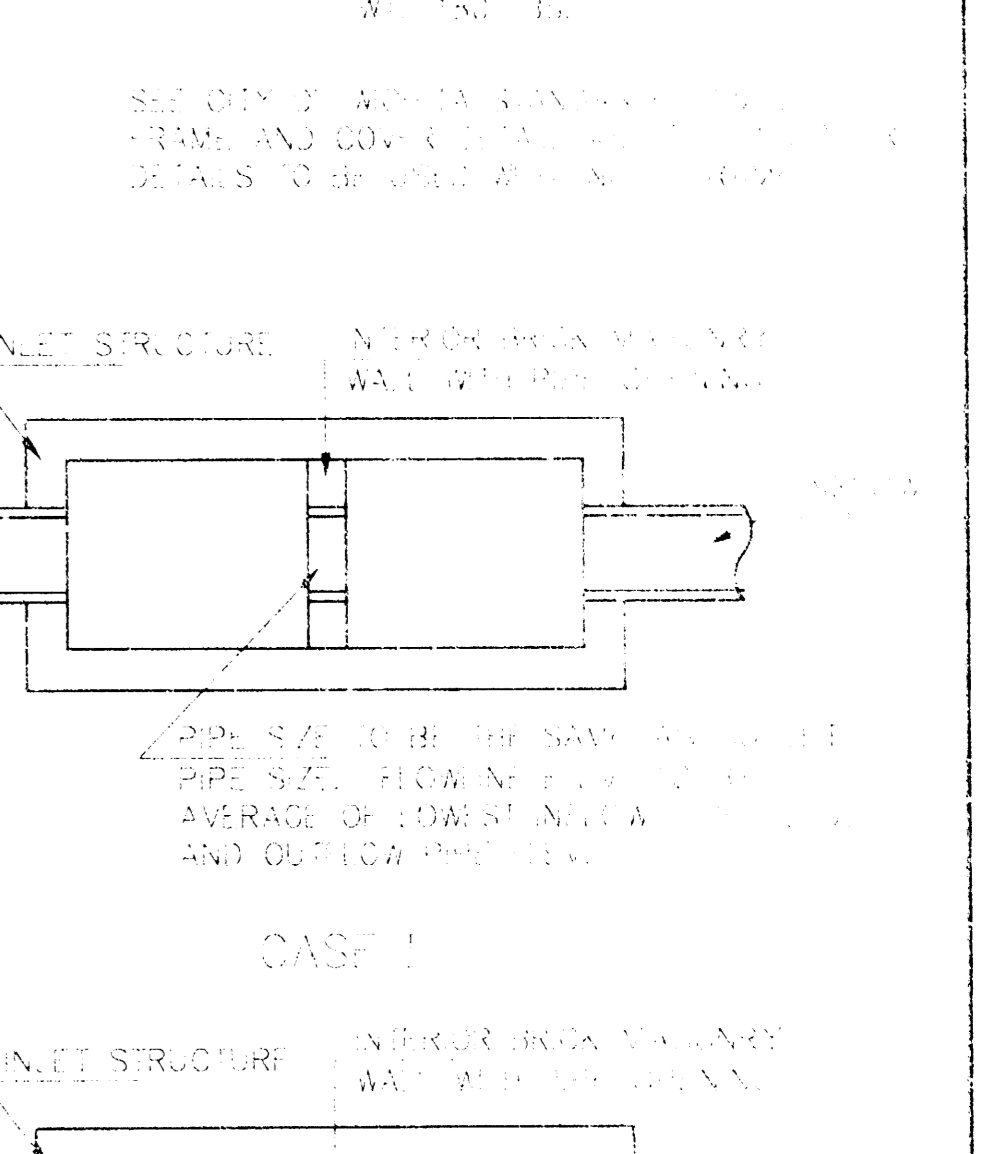
GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND FOR ON THE INLET WHEN H=5'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0", THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. INLET INVERT SHALL BE SHAPED WITH B SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
3. CONCRETE TOPS TO BE AS FOLLOWS: ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET OVERSHOOTS SHALL BE CONCRETE PAVEMENT MIX.
4. INLET TOP REINFORCING SHALL BE SHAPED ON 6" MAX. CENTERS. INLET TOPS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONNECTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR OUT OF CURB MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

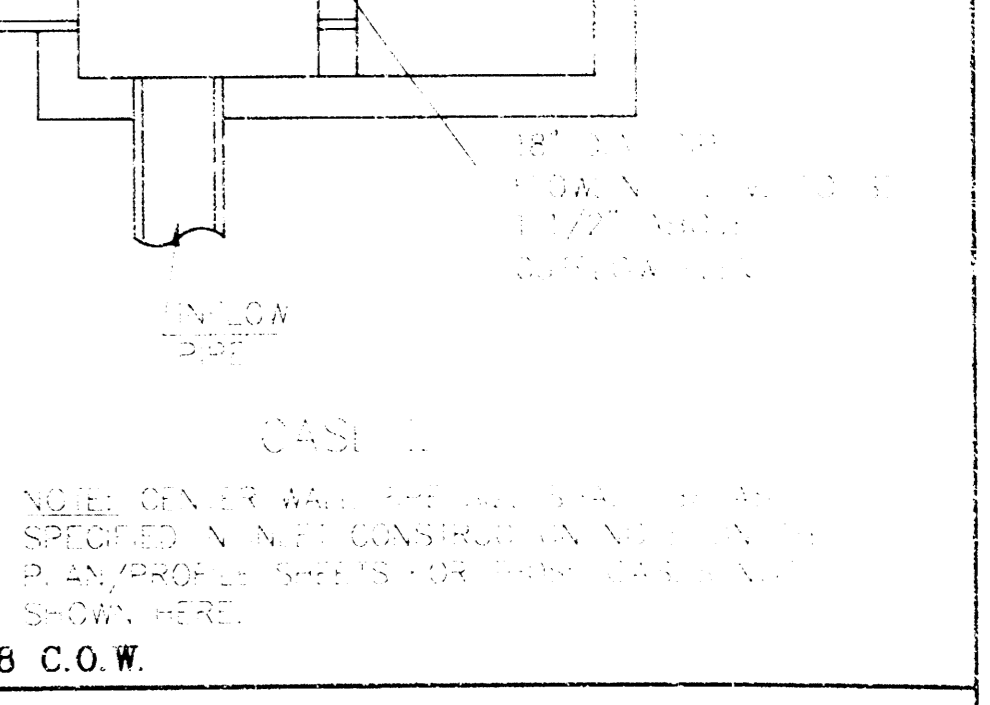
STANDARD CURB AND PRECAST CURB						
W	H	PRECAST TOP SIZE	CURB OR PRECAST CURB SIZE	PRECAST CURB SIZE	PRECAST CURB SIZE	PRECAST CURB SIZE
4'-4"	5'-8"	4'x11'x4 1/2'x1 1/2"	24" x 36" x 12"	24" x 36" x 12"	24" x 36" x 12"	24" x 36" x 12"
5'-4"	4'-8"	4'x11'x4 1/2'x1 1/2"	24" x 36" x 12"	24" x 36" x 12"	24" x 36" x 12"	24" x 36" x 12"
6'-4"	5'-8"	4'x11'x4 1/2'x1 1/2"	36" x 42"	36" x 42"	36" x 42"	36" x 42"
7'-4"	6'-8"	4'x11'x4 1/2'x1 1/2"	48" x 54"	48" x 54"	48" x 54"	48" x 54"
8'-4"	7'-8"	4'x11'x4 1/2'x1 1/2"	60" x 66"	60" x 66"	60" x 66"	60" x 66"



CAST IRON INLET RING



CAST IRON INLET RING



CAST IRON INLET RING

REVISED: 12-5-88 C.O.W.

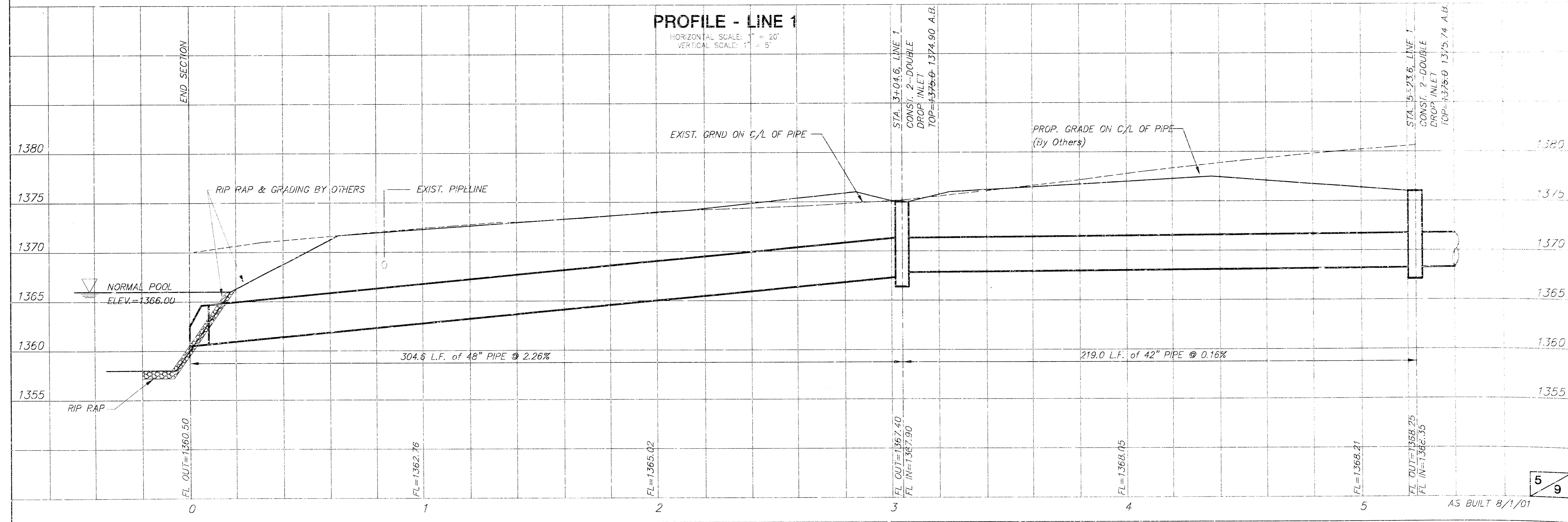
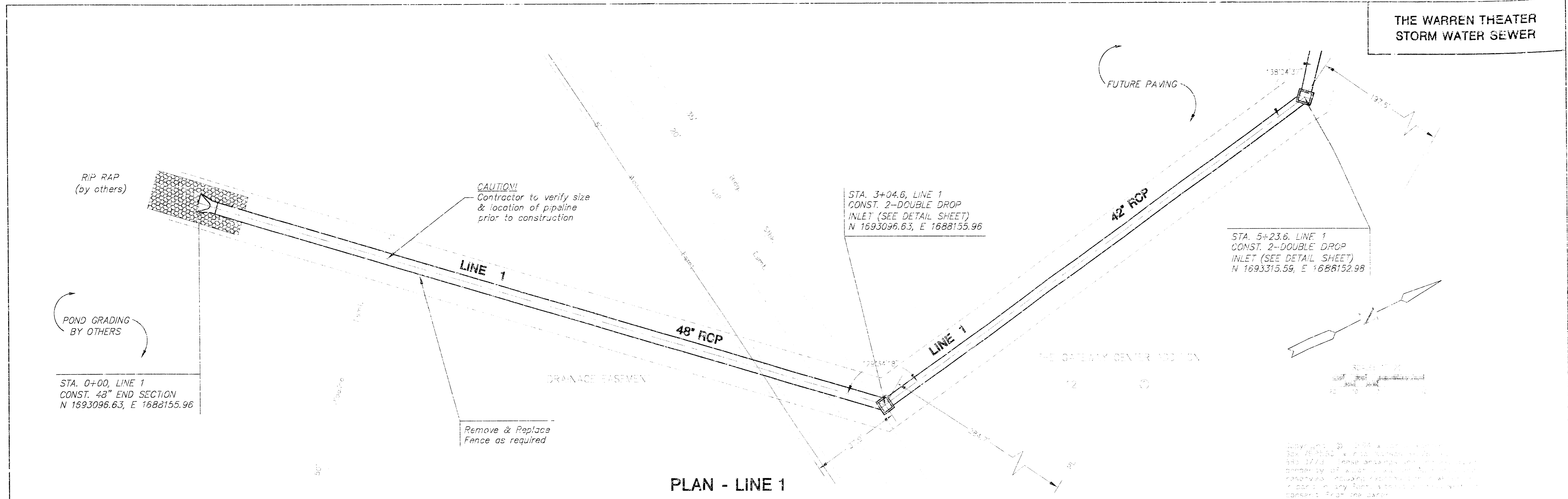
STANDARD TYPE 1A CURB INLET

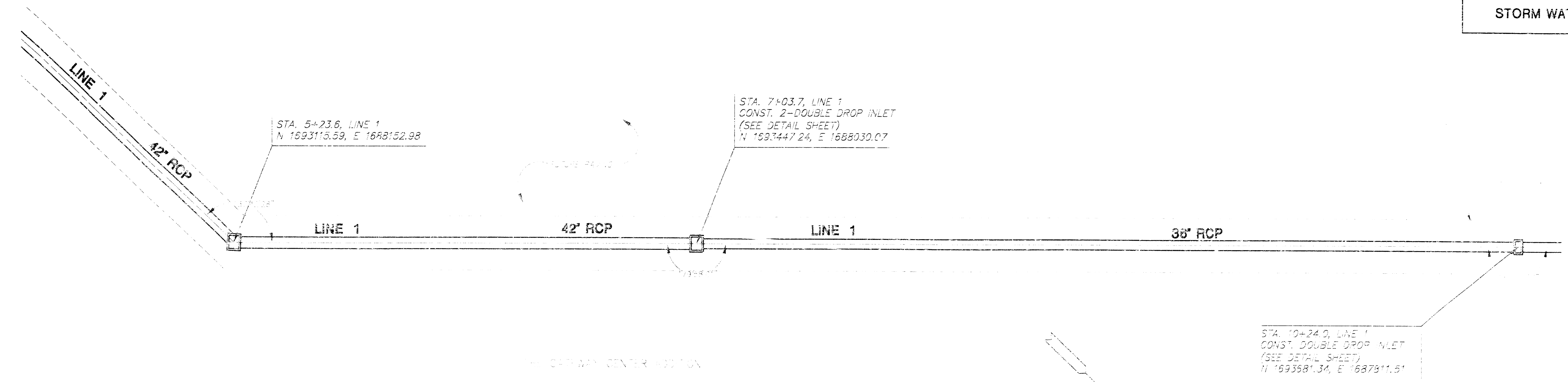
NOV. 1984

CITY OF WICHITA, KANSAS

Design: BER	Checked by:	Checked by:	
Drawn by: MPE	Date:	Date:	Job No.:

**THE WARREN THEATER
STORM WATER SEWER**

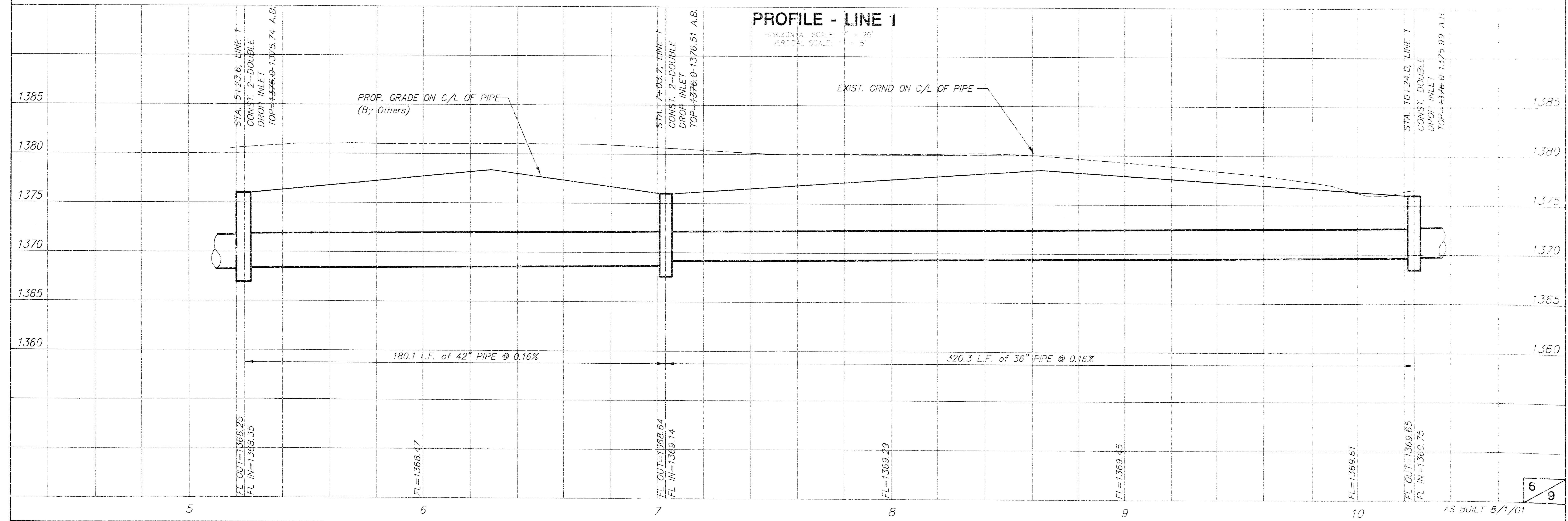




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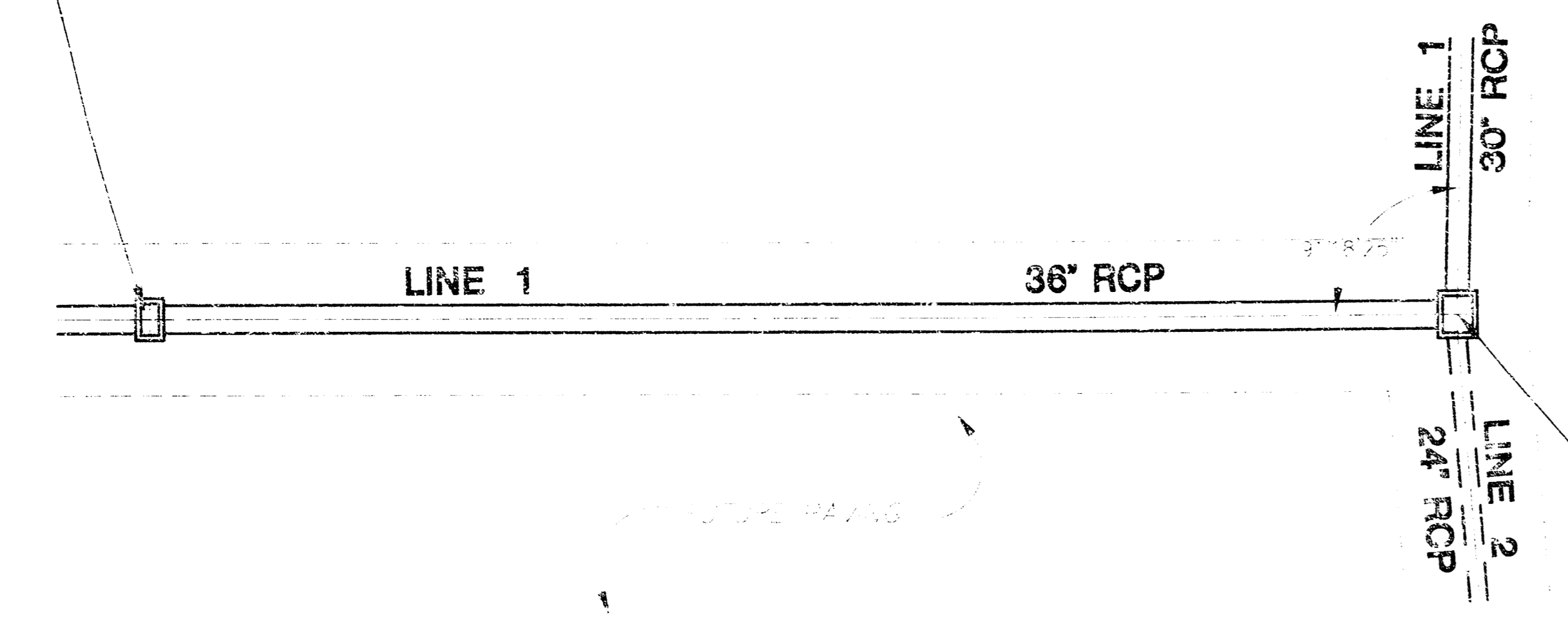
PLAN - LINE 1

PROFILE - LINE 1



THE WARREN THEATER
STORM WATER SEWER

STA. 10+24.0, LINE 1
N 1693681.34, E 1687811.51



STA. 12+04.2, LINE 1 =
STA. 0+00, LINE 2
CONST. 2-DOUBLE DROP INLET
(SEE DETAIL SHEET)
N 1693813.04, E 1687688.55

STA. 14+86.9, LINE 1
CONST. TYPE 1A CURB INLET
(10'X4')
(SEE DETAIL SHEET)
N 1693624.68, E 1687477.77

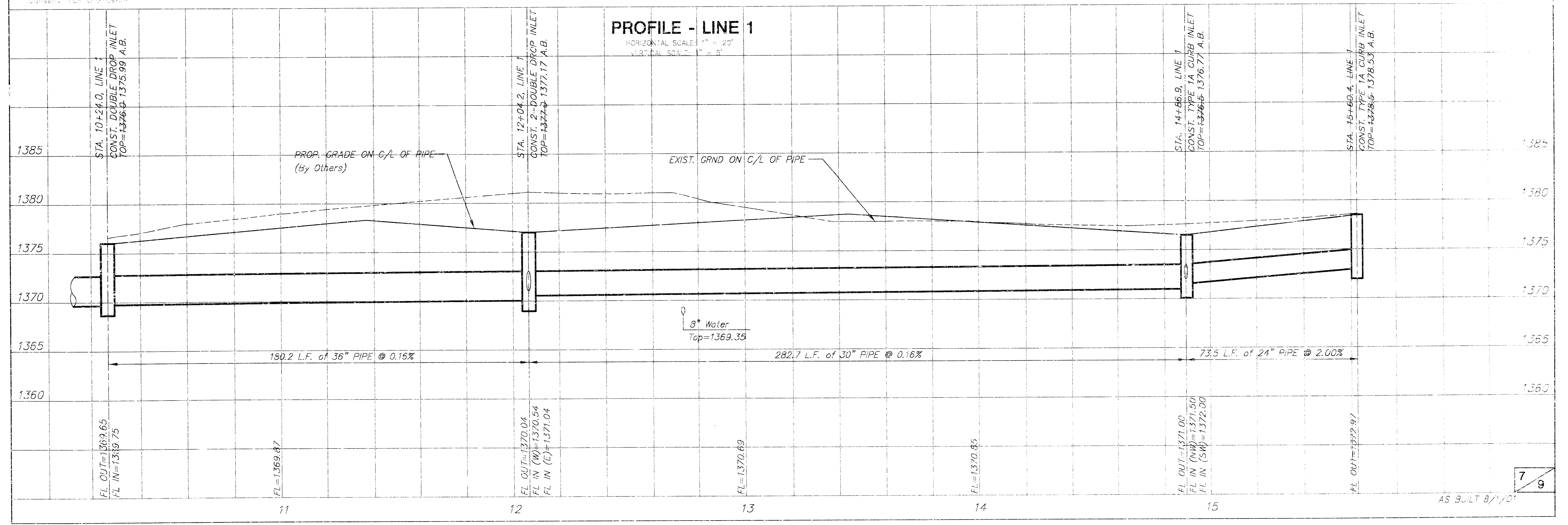
STA. 15+60.4, LINE 1
CONST. TYPE 1A CURB INLET
(10'X4')
(SEE DETAIL SHEET)
N 1693679.39, E 1687428.74

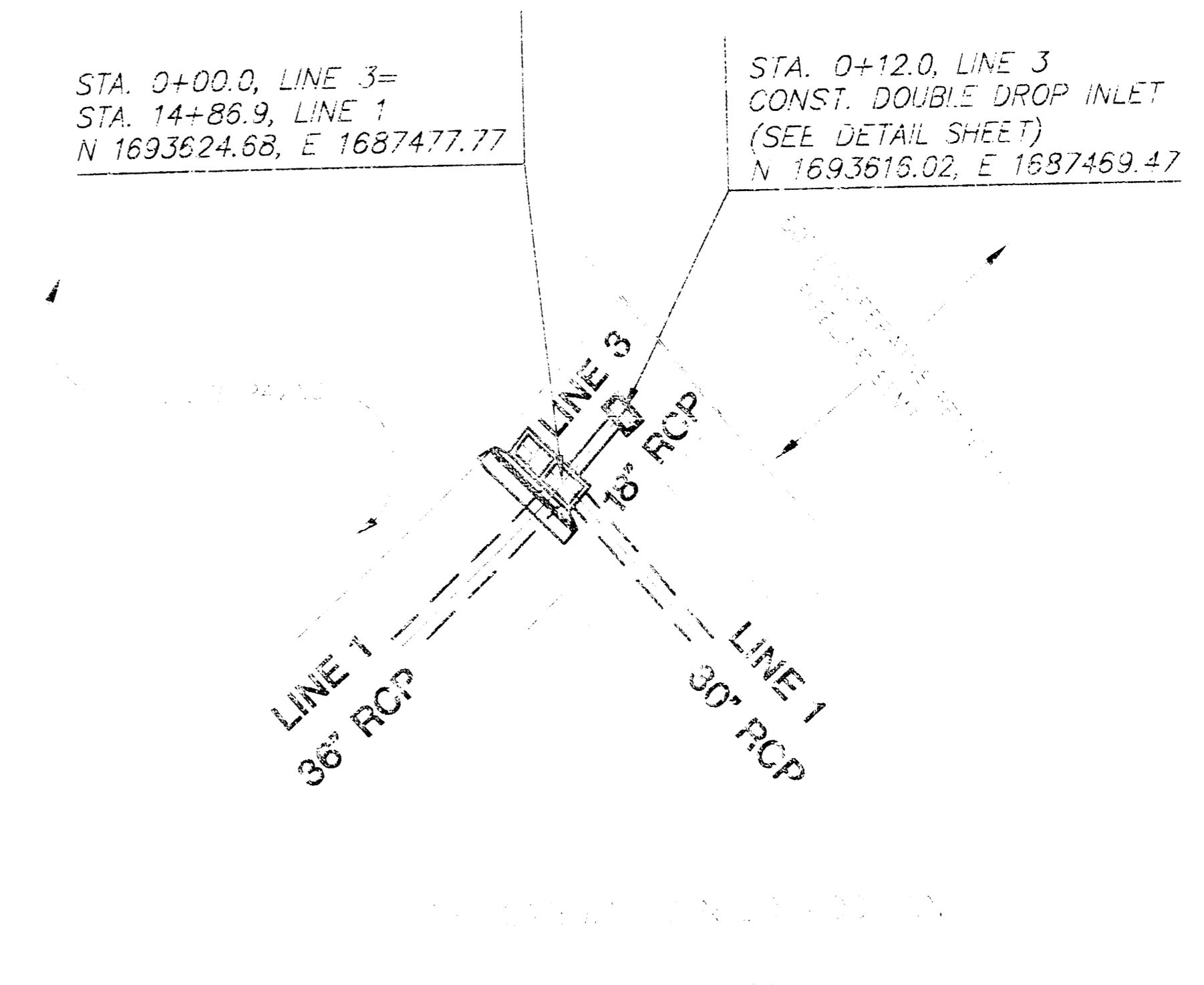
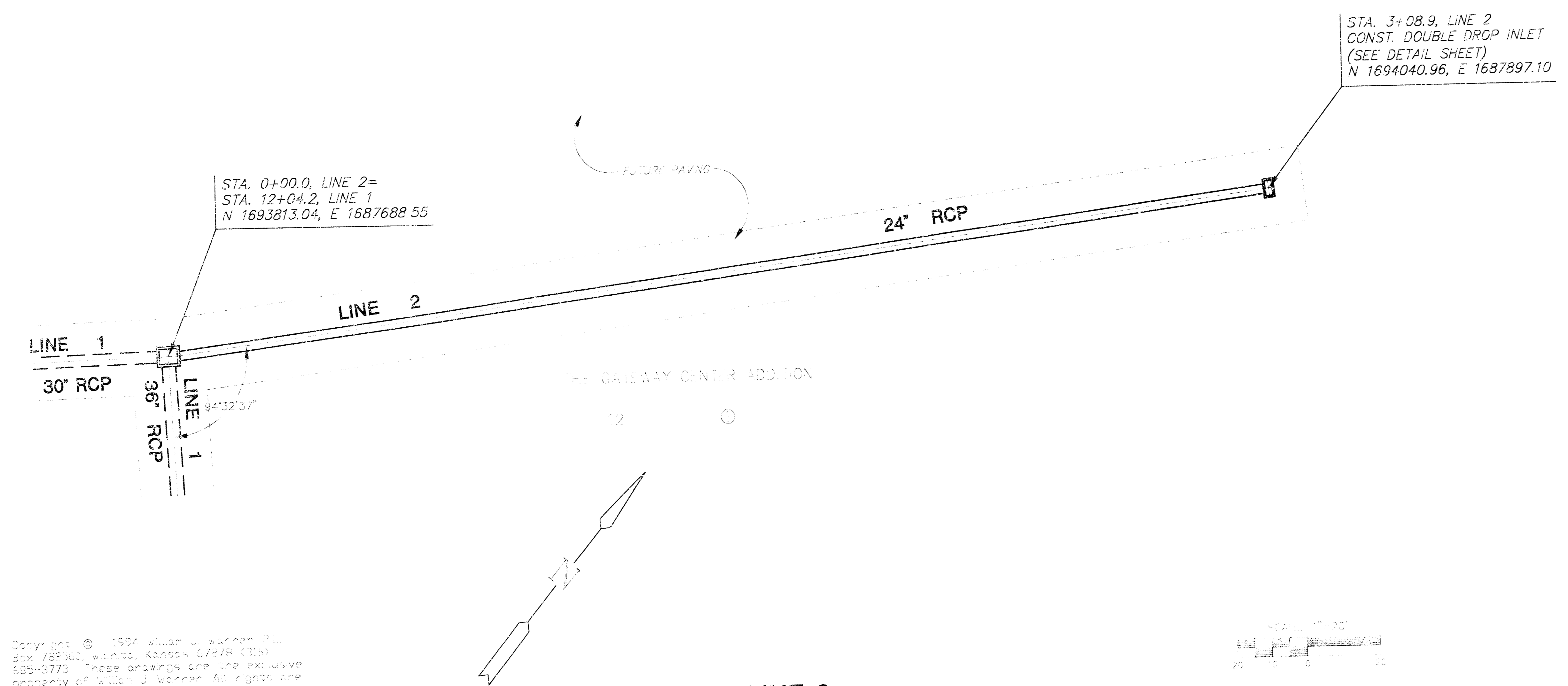
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PLAN - LINE 1

PLAN - LINE 1

PROFILE - LINE 1
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

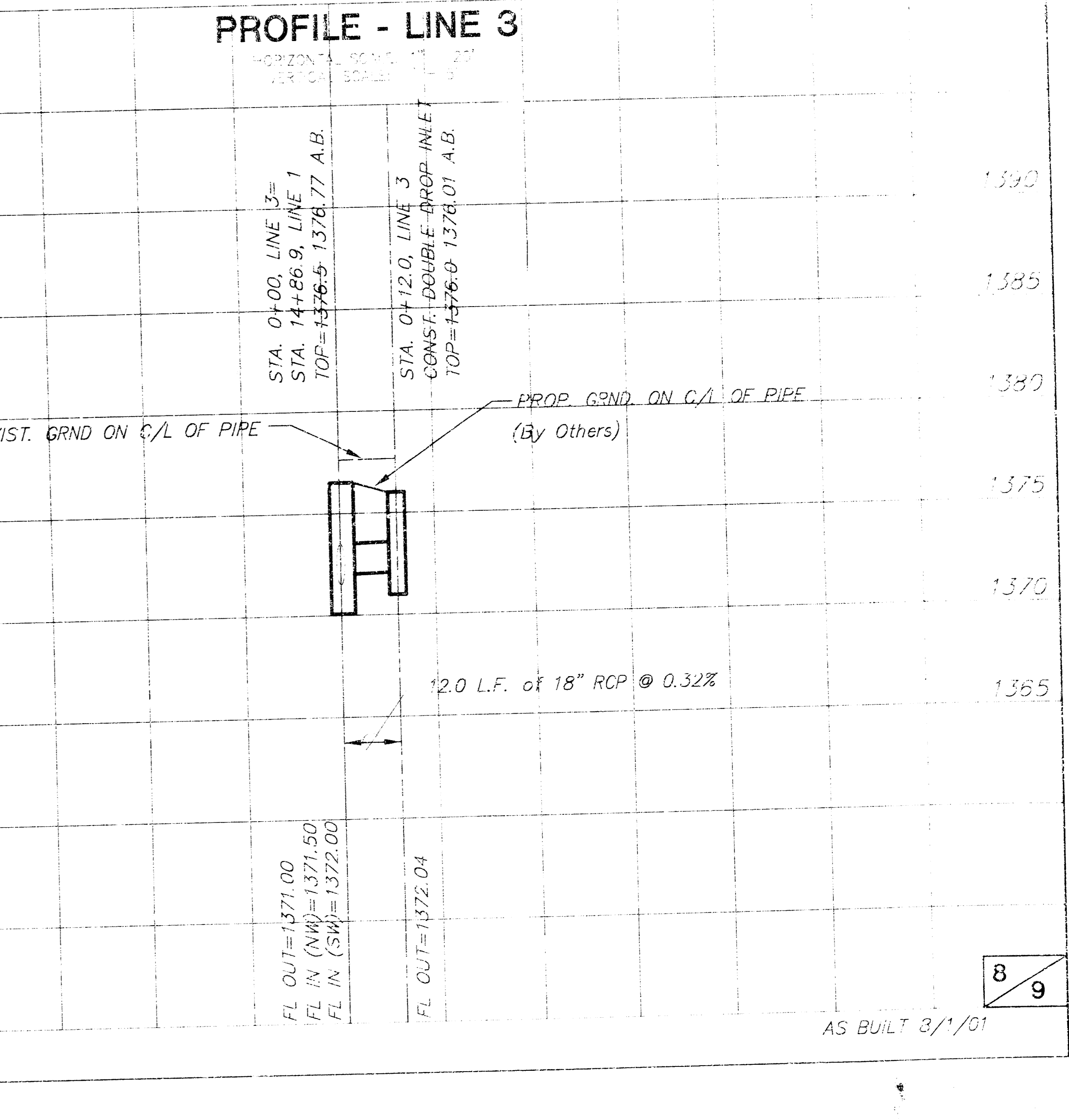
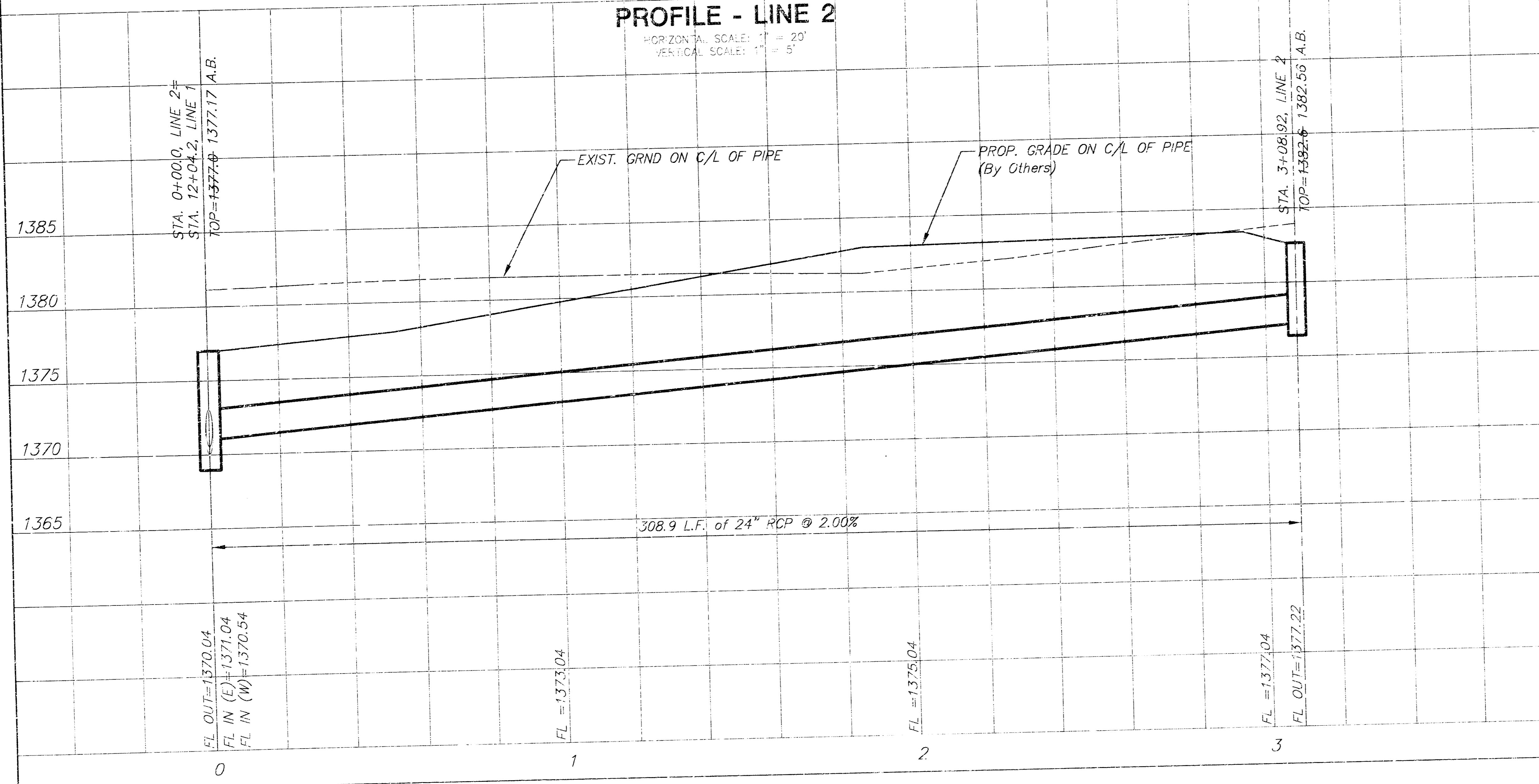




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PLAN - LINE 2

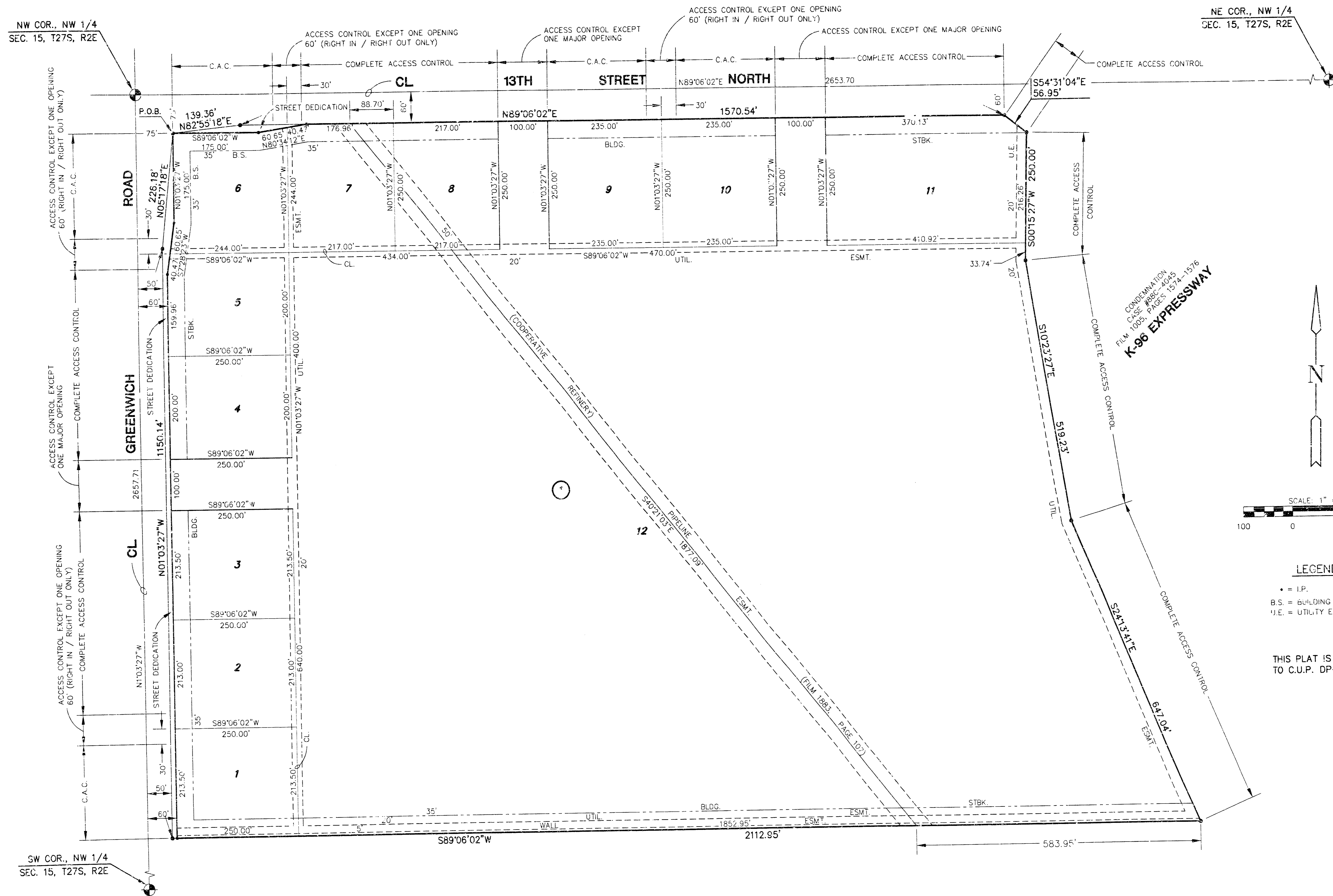
PLAN - LINE 3



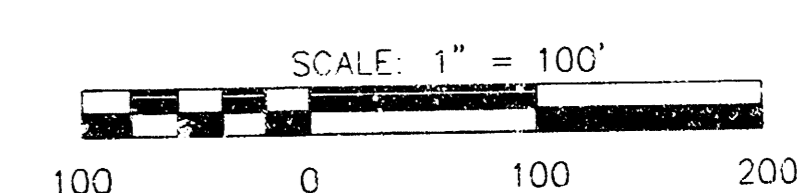
FINAL PLAT

THE GATEWAY CENTER ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



CONDOMINIUM
 CASE #RSC-2025
 FILE #1008 PAGES 1574-1576
K-96 EXPRESSWAY



LEGEND

- = I.P.
- B.S. = BUILDING SETBACK
- U.E. = UTILITY EASEMENT

THIS PLAT IS SUBJECT
 TO C.U.P. DP-239

H. LUTHELL (00557) ENGINEER, THEATRE, WICHITA, KANSAS, INC. THE DATE IS 12-27-20 2011