

STORM WATER SEWER LARKSFIELD PLACE PROJECT NO. 468-76-245-81790-000-000-001

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
SWS NO. 352

GENERAL NOTES

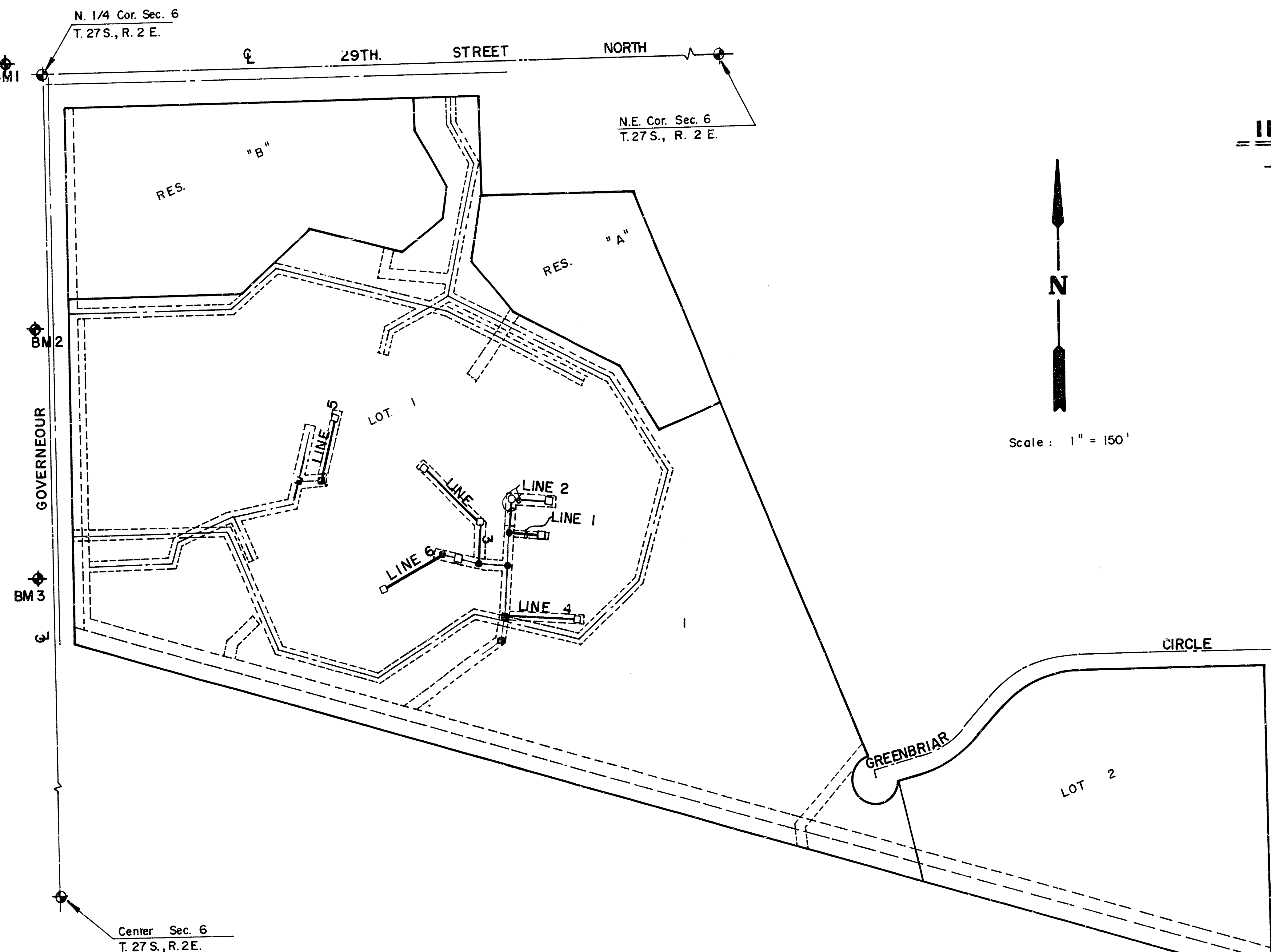
1. ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
3. TREES TO BE REMOVED ARE MARKED . ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
4. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
5. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
6. The cost of breaking into and connecting with existing structures and existing pipe is subsidiary to the bid of sewer line.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

ARKLA GAS COMPANY	942-8350
BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KPOL COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
KANSAS ONE-CALL	1-800-344-7233
CITIES SERVICE	524-0491
KANSAS GAS SUPPLY	1-316-254-7243
CONTINENTAL PIPELINE COMPANY	1-316-681-2081
CO-OP REFINERY PIPELINE	1-316-221-2107

BENCH MARKS

- B.M. #1 Governeur & 29th Street North, City of Wichita Bench Mark Disc, 75' West and 30.3' North of Quarter Section Corner 55' North and 85' West of Center Line of Pavement Governeur and 29th Street North. Elevation 182.566
- B.M. #2 Railroad Spike in West face of West leg of "H" Pole Structure ± 500' South of 29th Street North on the West side of Governeur. Elevation 187.676
- B.M. #3 Railroad Spike in West face of West leg of "H" Pole Structure ± 1,000' South of 29th Street North on the West side of Governeur. Elevation 191.85



SPECIAL NOTE:
Grading & Line stabilization of areas disturbed by the construction and the regrading required by the installation of these Storm Drains will be done by the Storm Sewer Contractor. The cost of this work shall be considered subsidiary to this project.

Subsequent to the survey and preparation of this plan much ongoing construction activity has and is taking place. It is the contractors responsibility to contact the utility companies for marking of their lines prior to excavation.

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1 & 2
3	LINE 3 & 4
4	LINE 5 & 6
5	DROP INLET DETAILS
6	MANHOLE DETAILS

Scale: 1" = 150'

LEGEND

	Electric
	Gas
	Telephone
	Cable
	Water

	LARKSFIELD PLACE		Prepared by DLN
	STORM WATER SEWER PLANS		Checked by KHB
			Date NOV. 1987
			Scale 1/6
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226			Sheet 1 of 6

Sta. 0+69.7 Line 1
Const. Std. Drop Inlet
24" x 24" Frame
W = 3'-4", L = 3'-4" See Detail Sheet 5
Top = ~~193.30~~ 193.36

Scale: 1" = 20' Horiz.
1" = 5' Vert.

Scale: 1" = 20' Horiz.
1" = 5' Vert.

Sta. 0+00 Line 2
Exist. Shallow Type "B" Manhole
Top = 193.43, 35

Sta. ~~0+84.8~~, Line 2
Const. Shallow Type "B" Manhole
MH Top = 193.50

Sta. +53.7
Sta. +53.0, Line 2
Const. Std. Drop Inlet
24" x 24" Frame
W = 3'4", L = 3'4"
Top = 192.83
See Detail Sheet 5

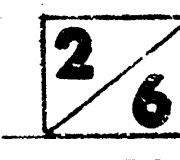
W-04, 1, 2, 3, 4
Top = 192.83
See Detail Sheet 5

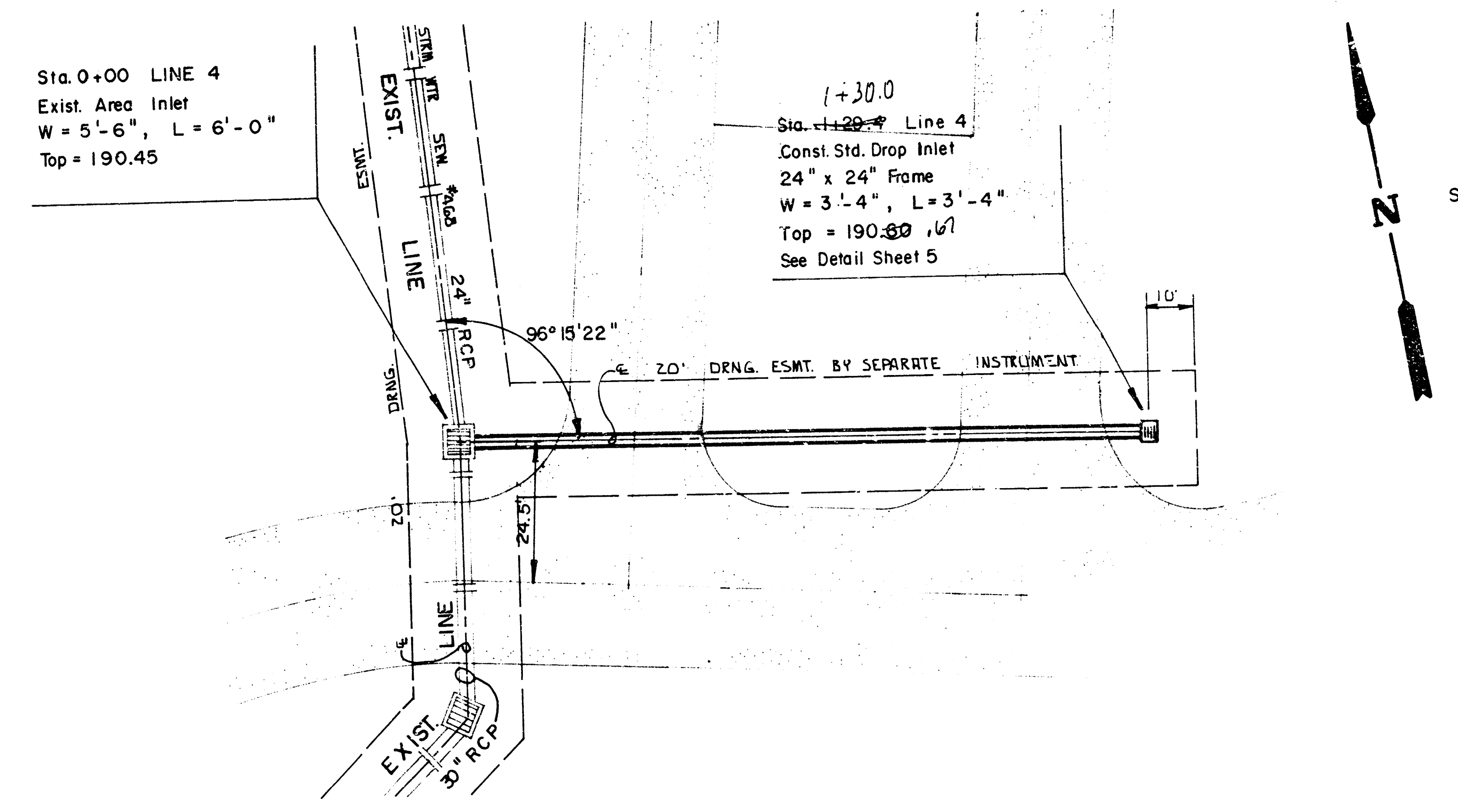
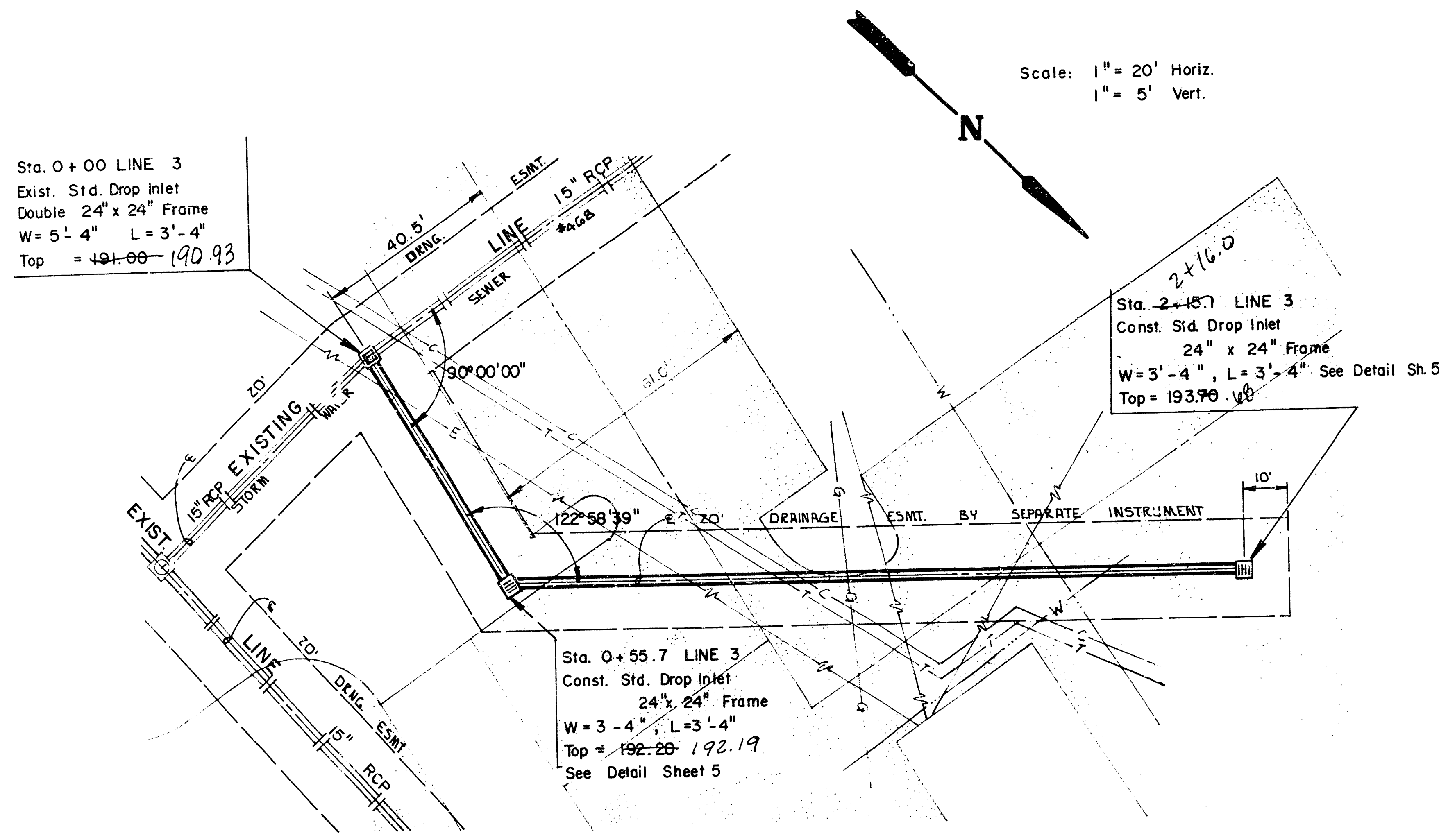
PLAN LINE 1

PROFILE LINE

PROFILE LINE 2

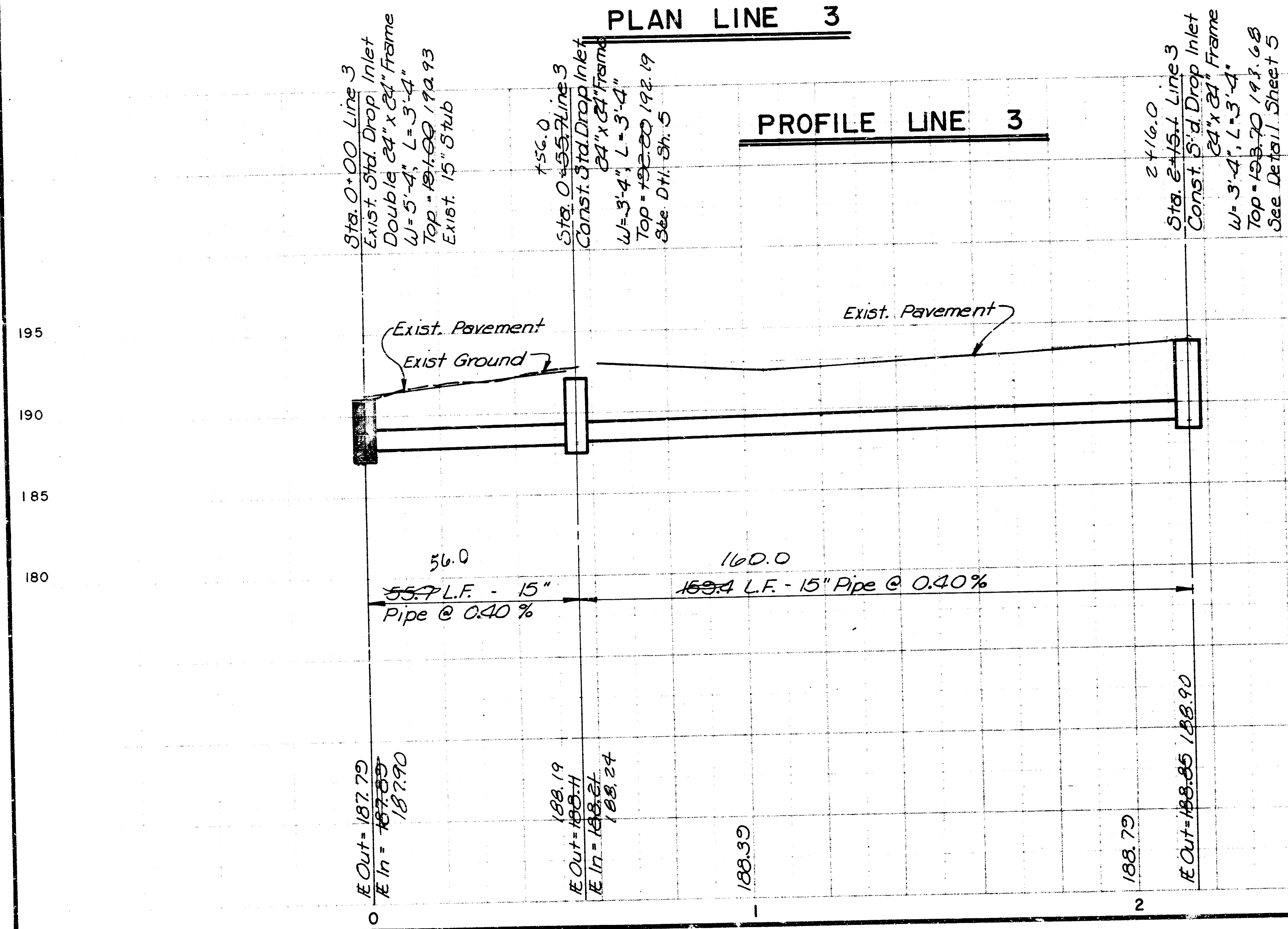
PLAN LINE 2





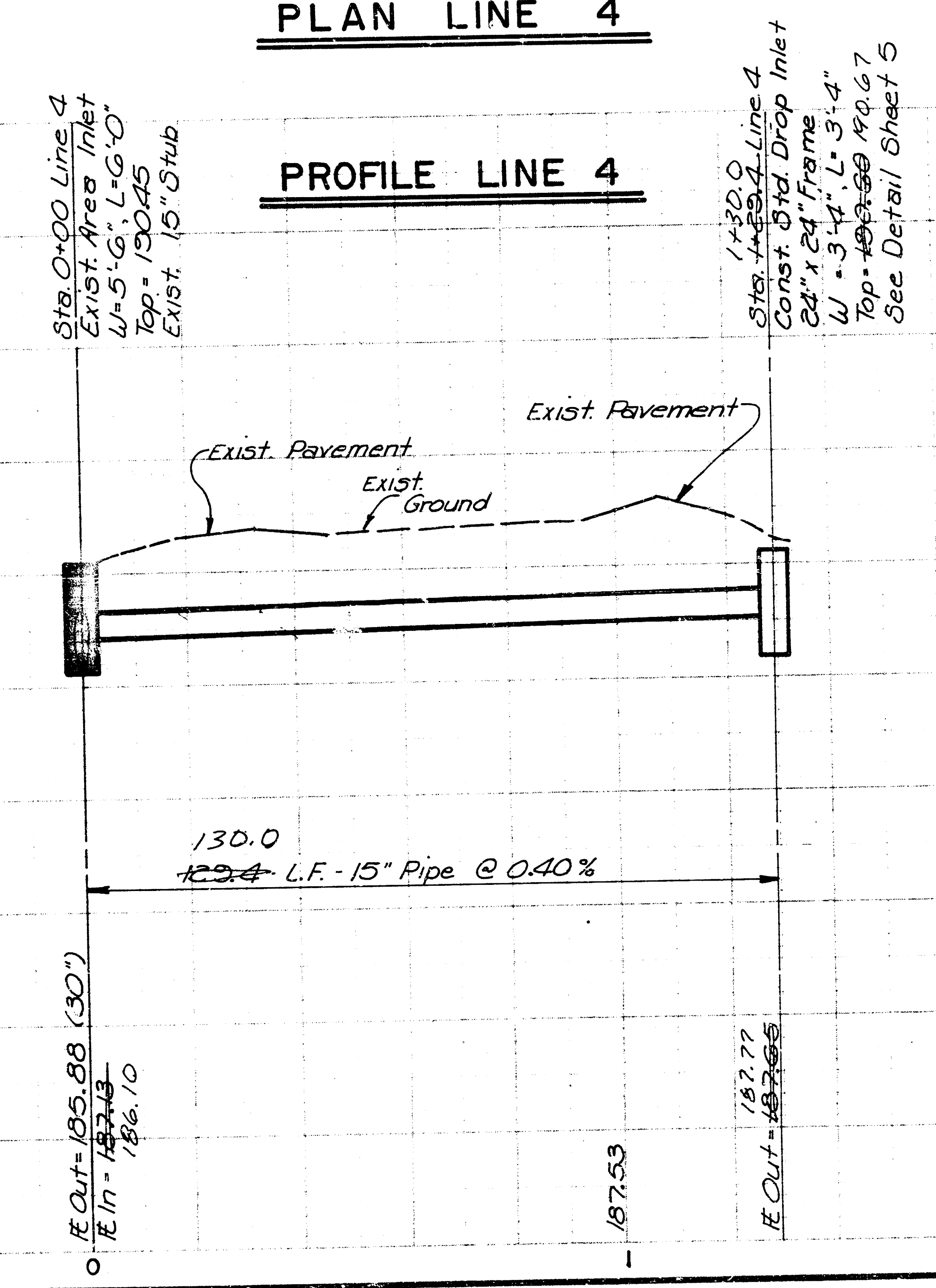
PLAN LINE 3

PROFILE LINE 3

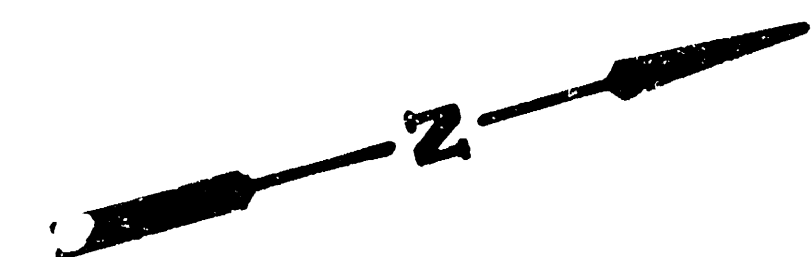


PLAN LINE 4

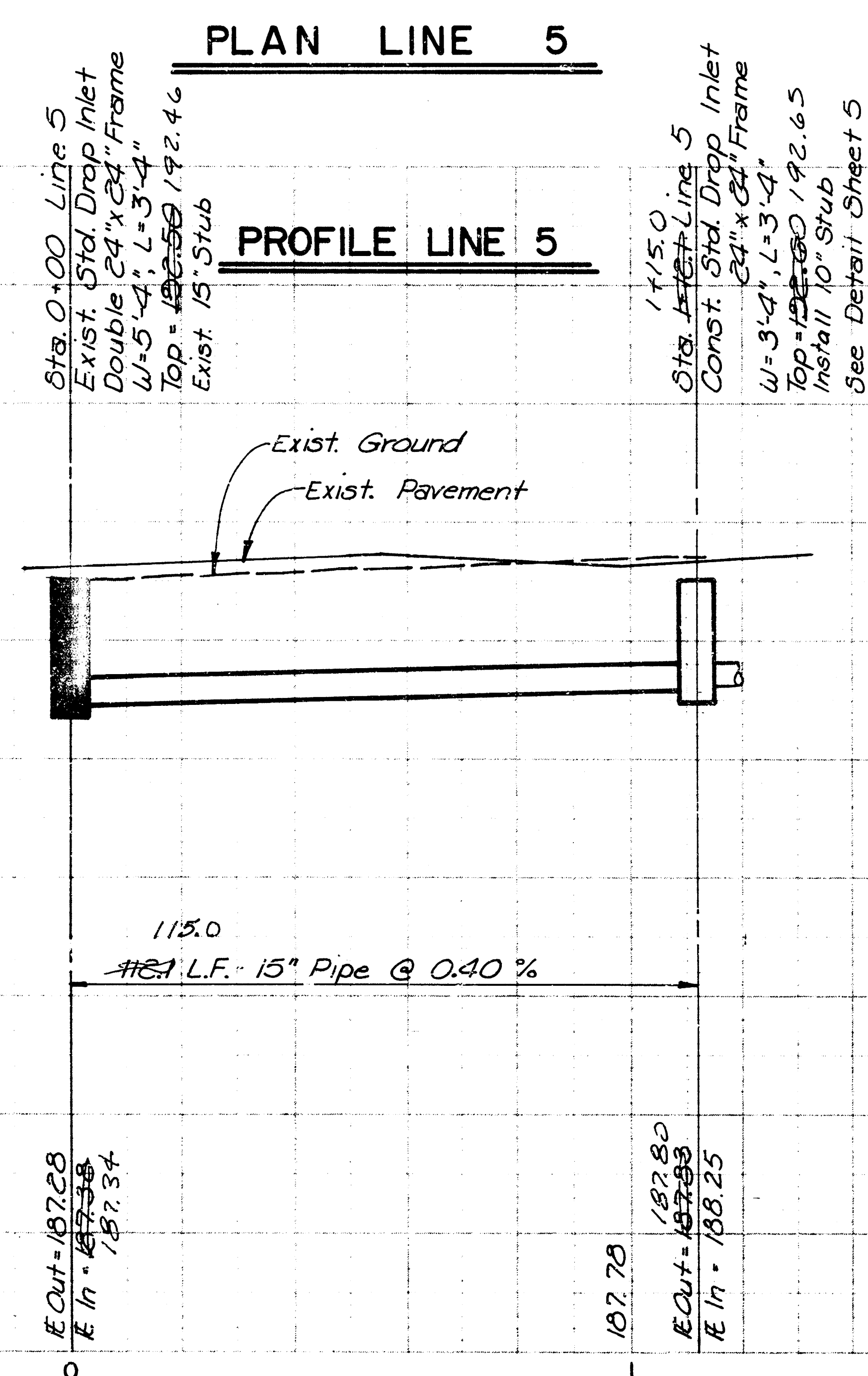
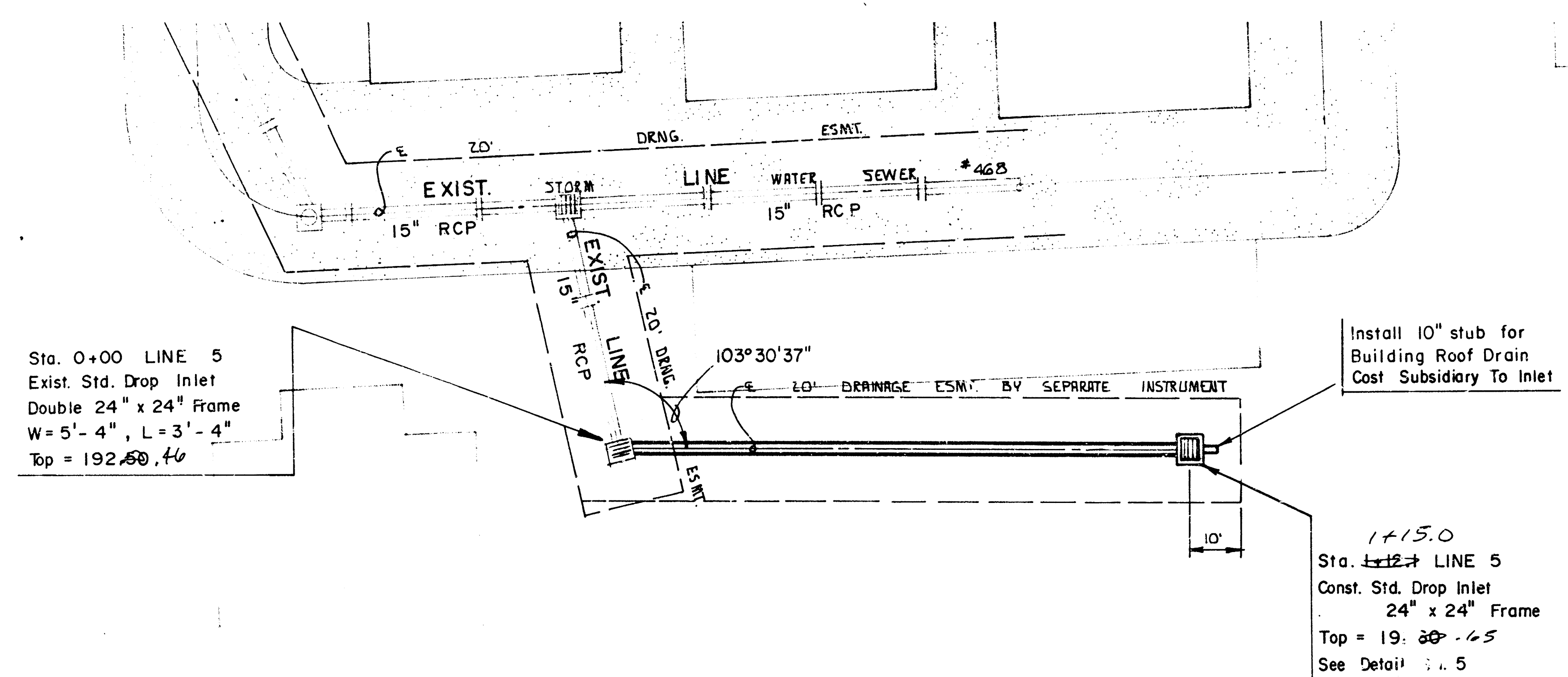
PROFILE LINE 4



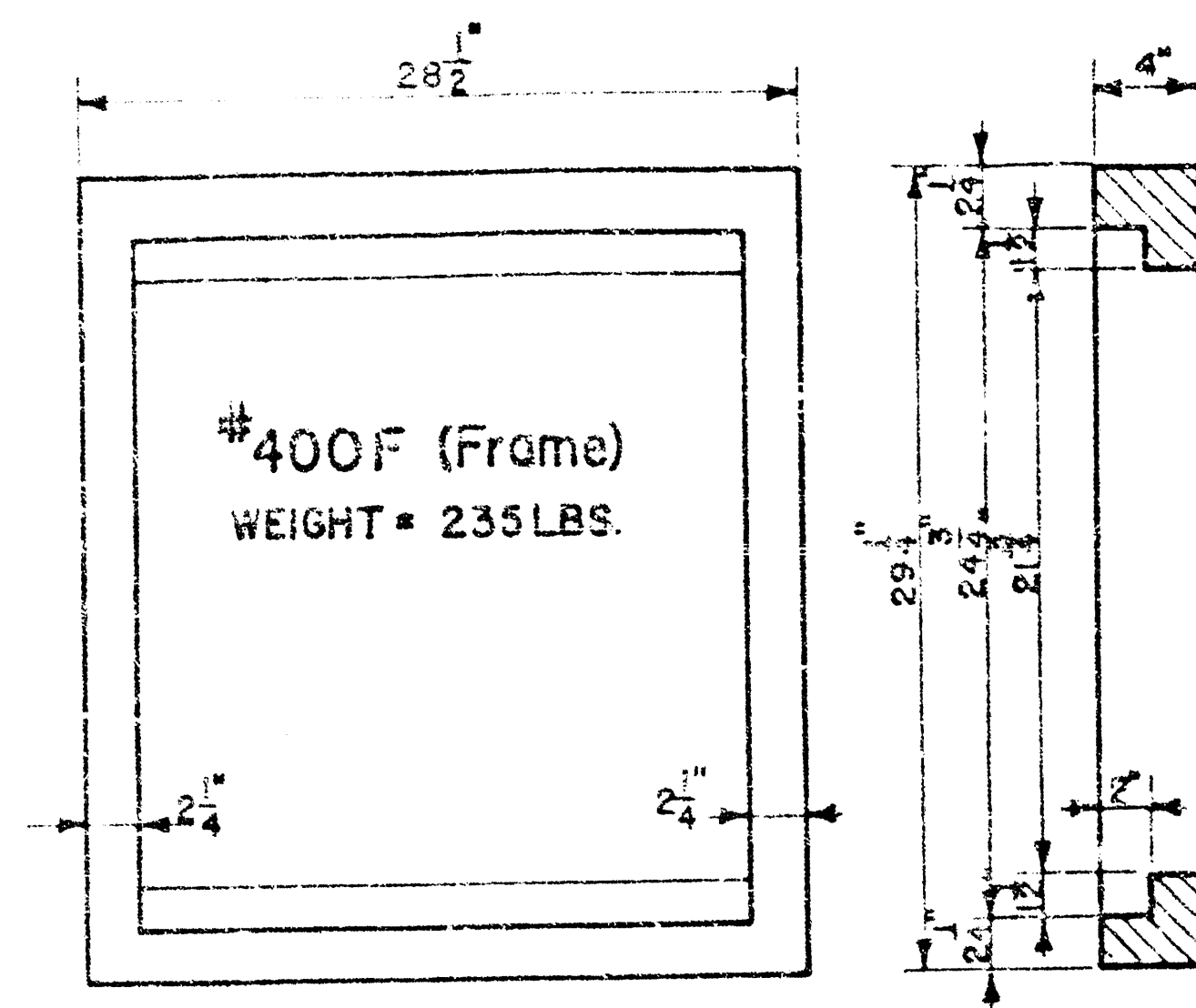
AS BUILT
5/88
RCL



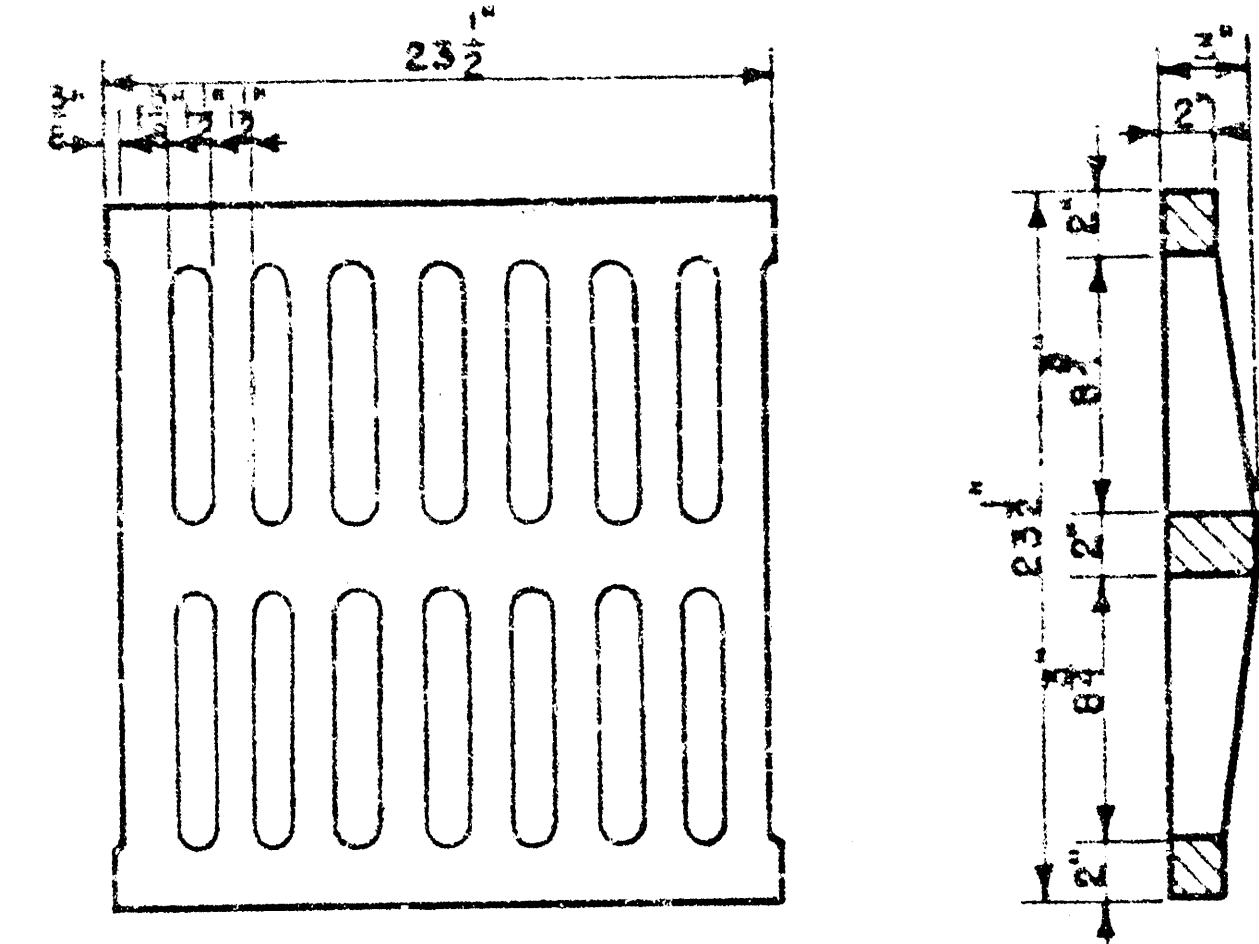
Scale: 1" = 20' Horiz.
1" = 5' Vert.



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.

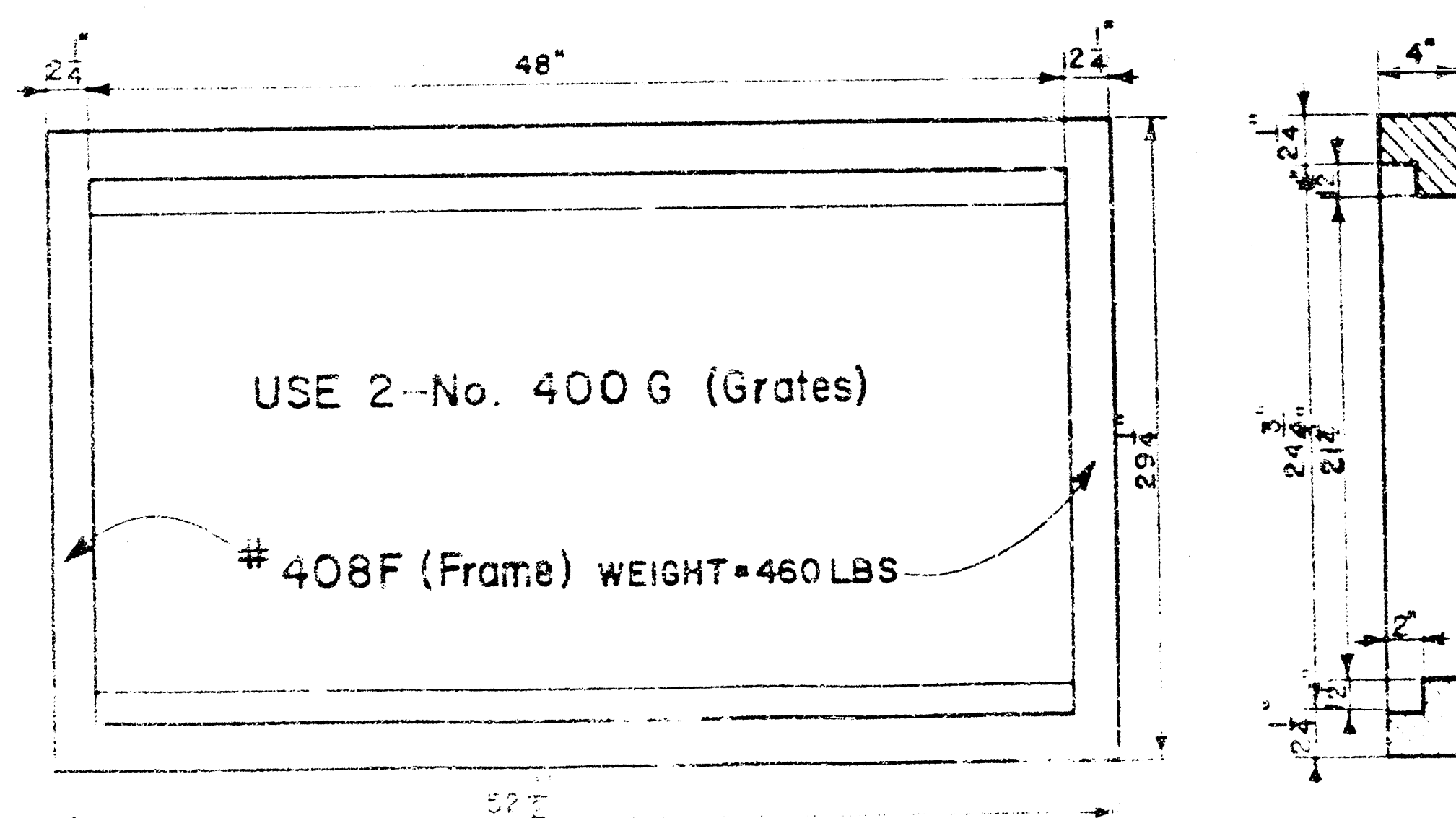


#400F (Frame)
WEIGHT = 235 LBS.



#400G (Grate)
WEIGHT = 235 LBS

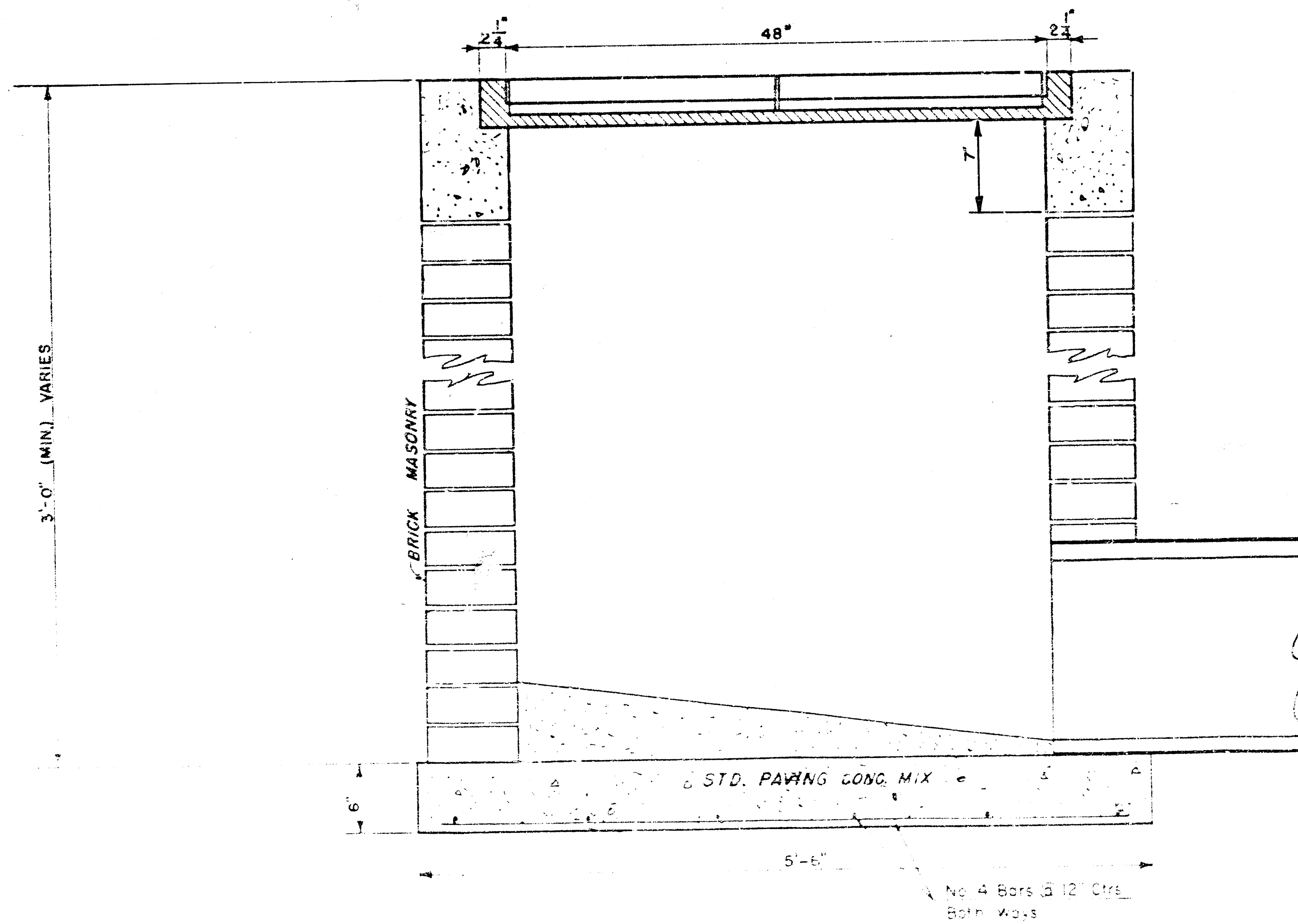
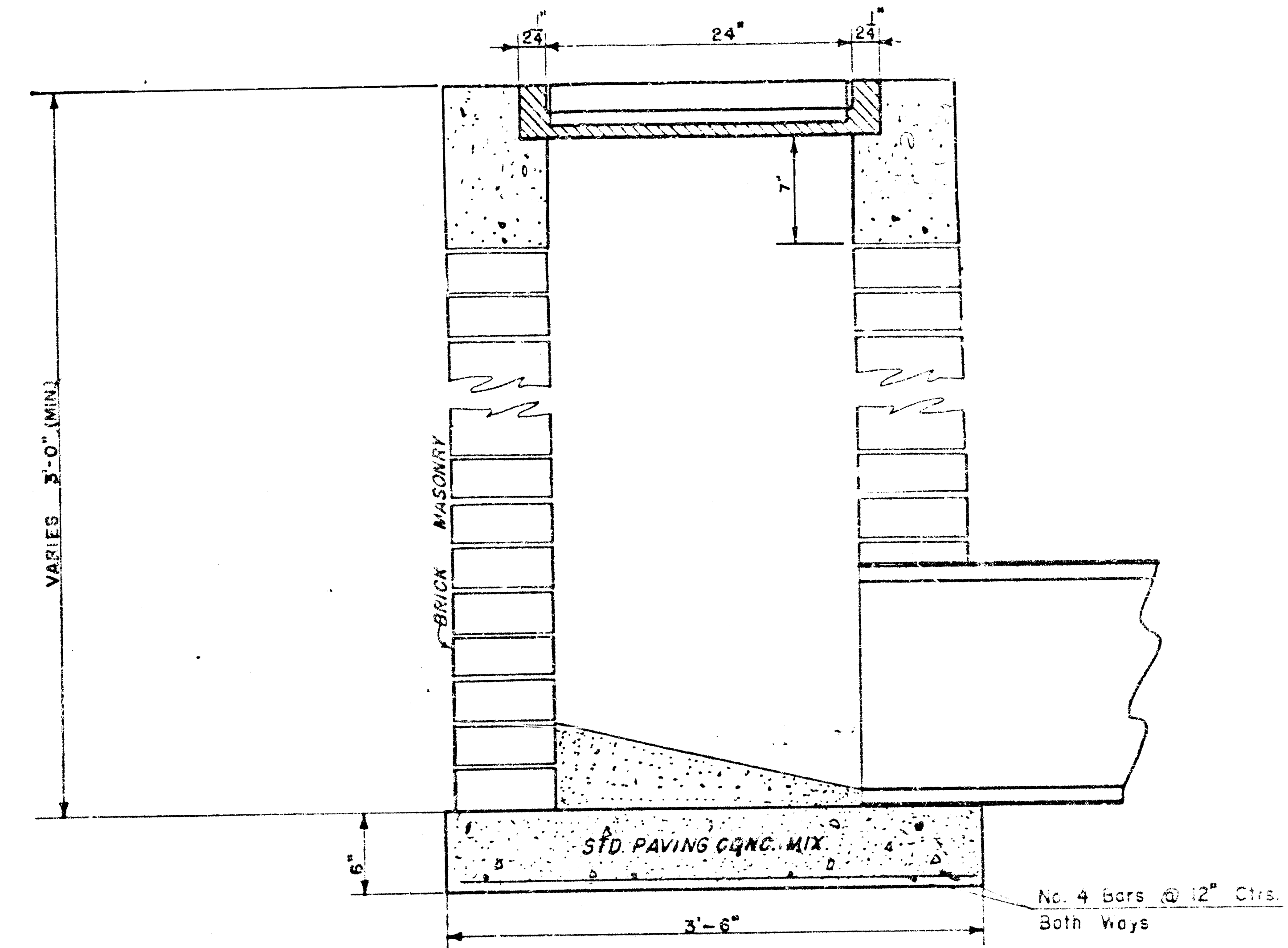
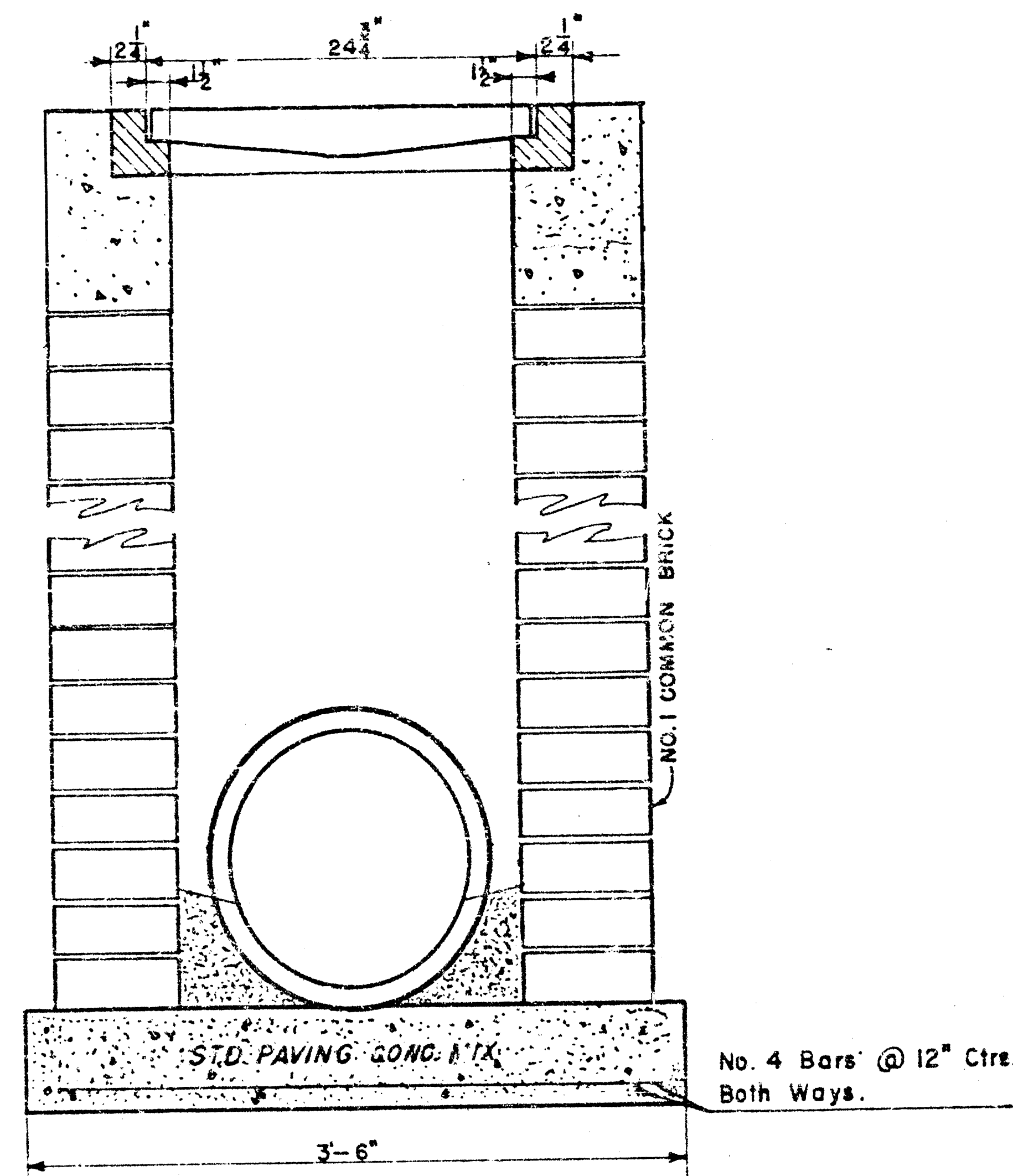
24"x24" Frame & Grate Detail



USE 2-No. 400 G (Grates)

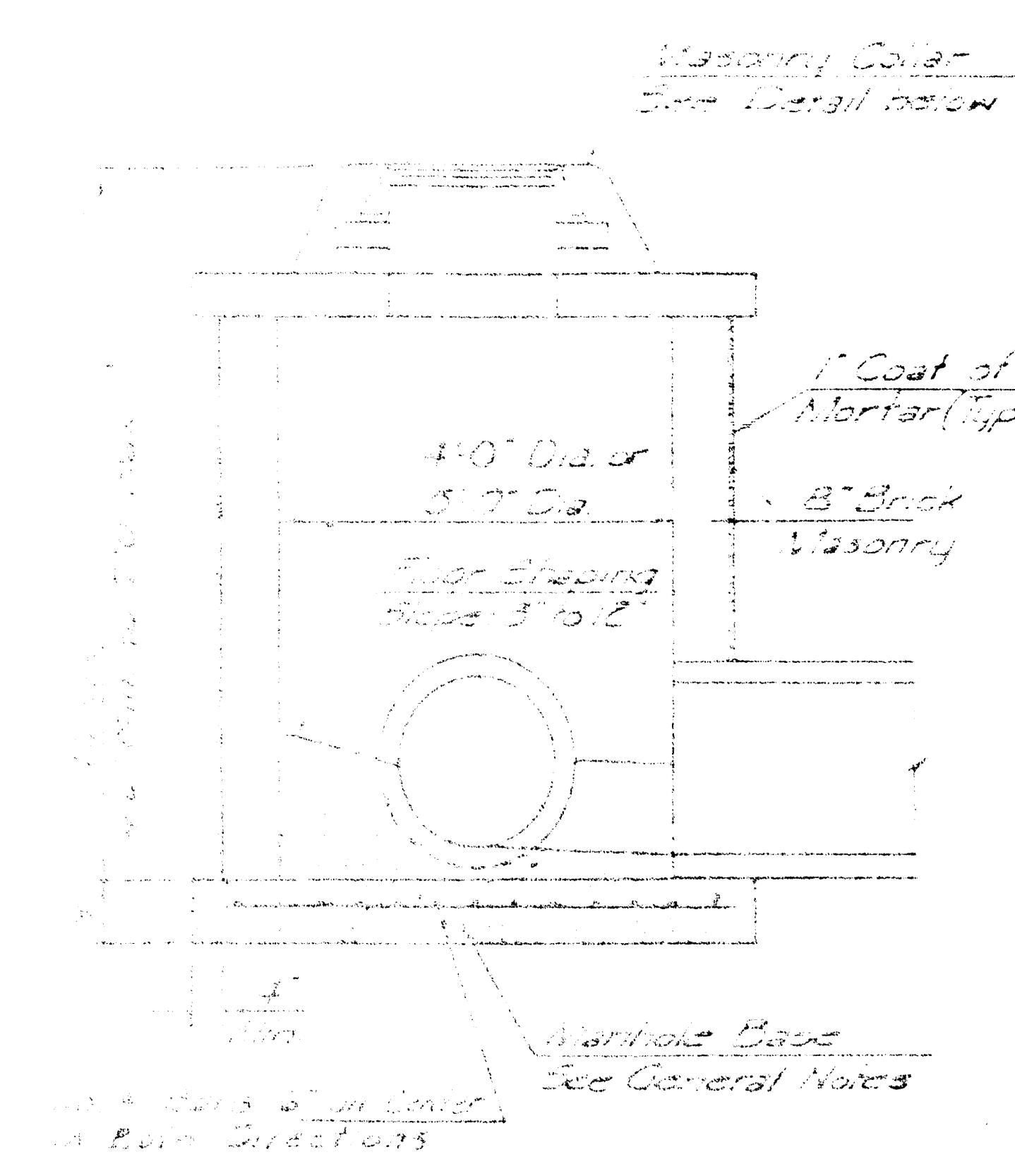
#408F (Frame) WEIGHT = 460 LBS

Double 24"x24" Frame Detail

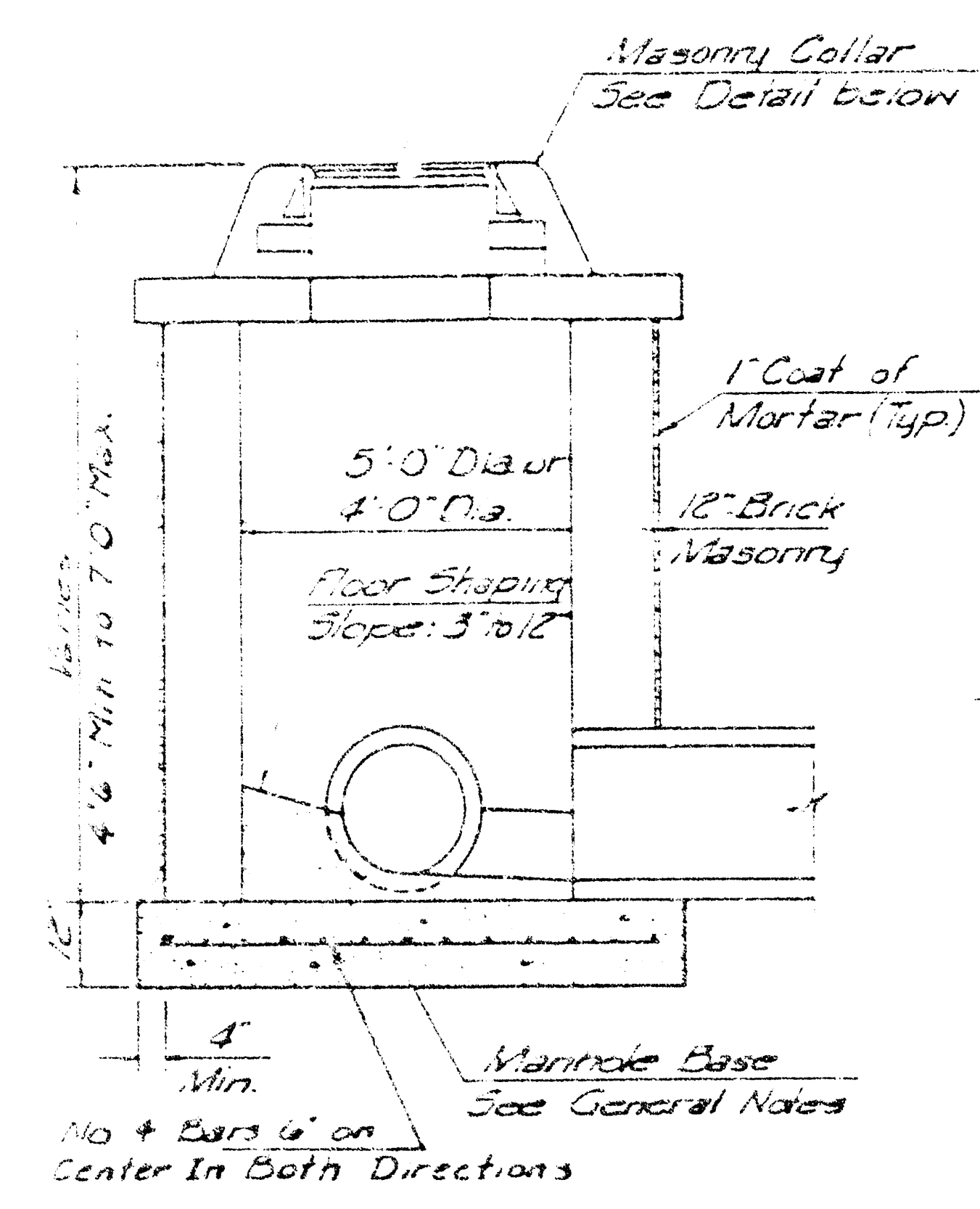


DROP INLET DETAILS

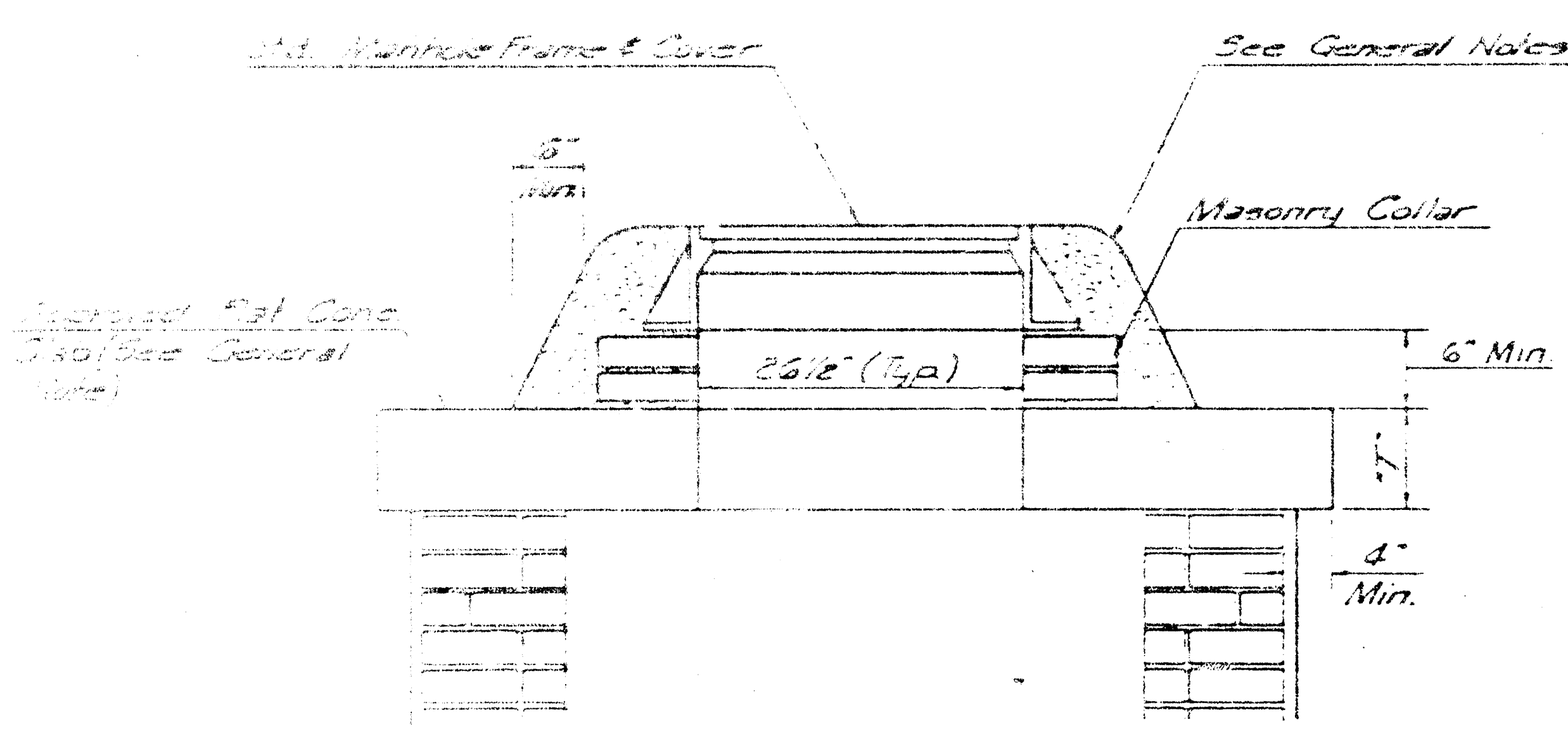
M.E. Lindebak, City Engineer
City of Wichita, Kansas
Project 468-76-245-81790-000-000-001
Project No.
Date
SCALE: 1 1/2" = 1'-0"



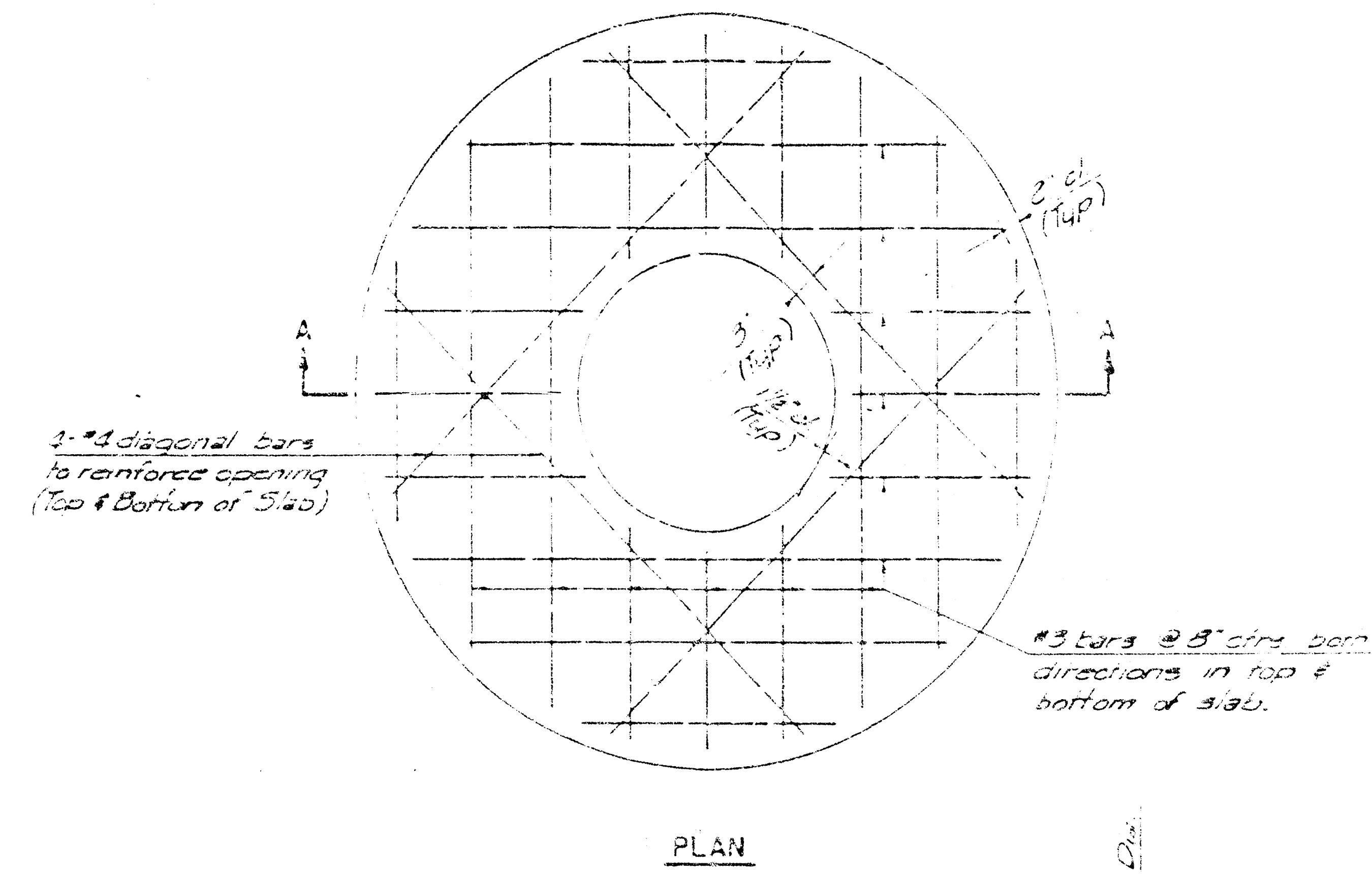
SHALLOW TYPE "A" MANHOLE



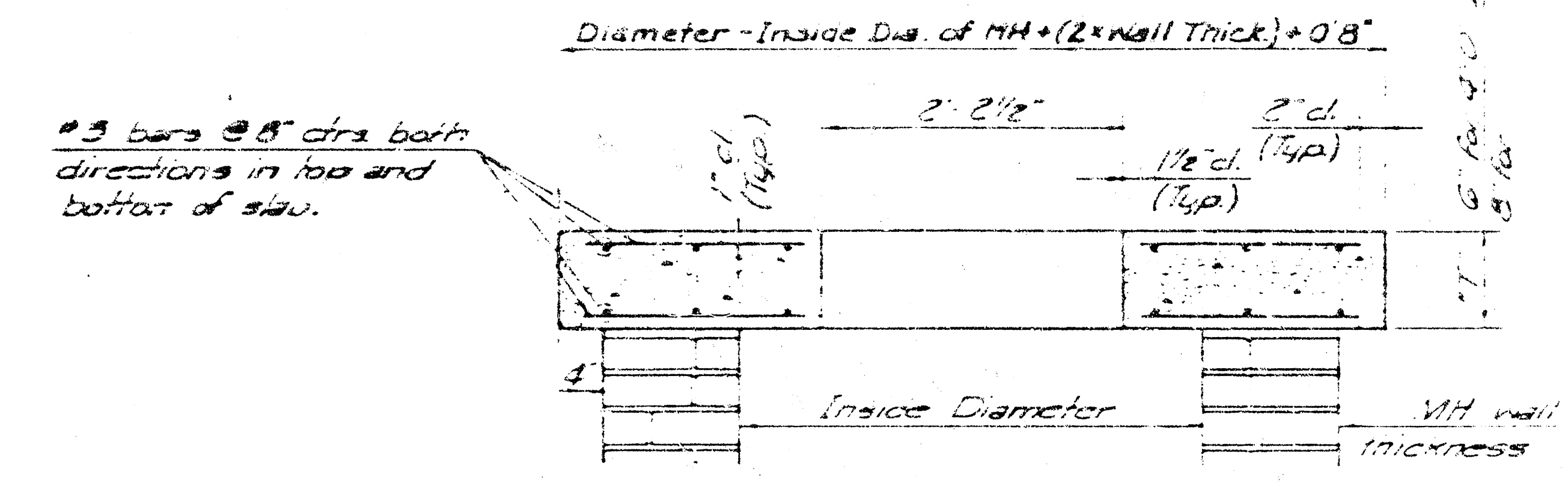
SHALLOW TYPE "B" MANHOLE



MASONRY COLLAR DETAIL

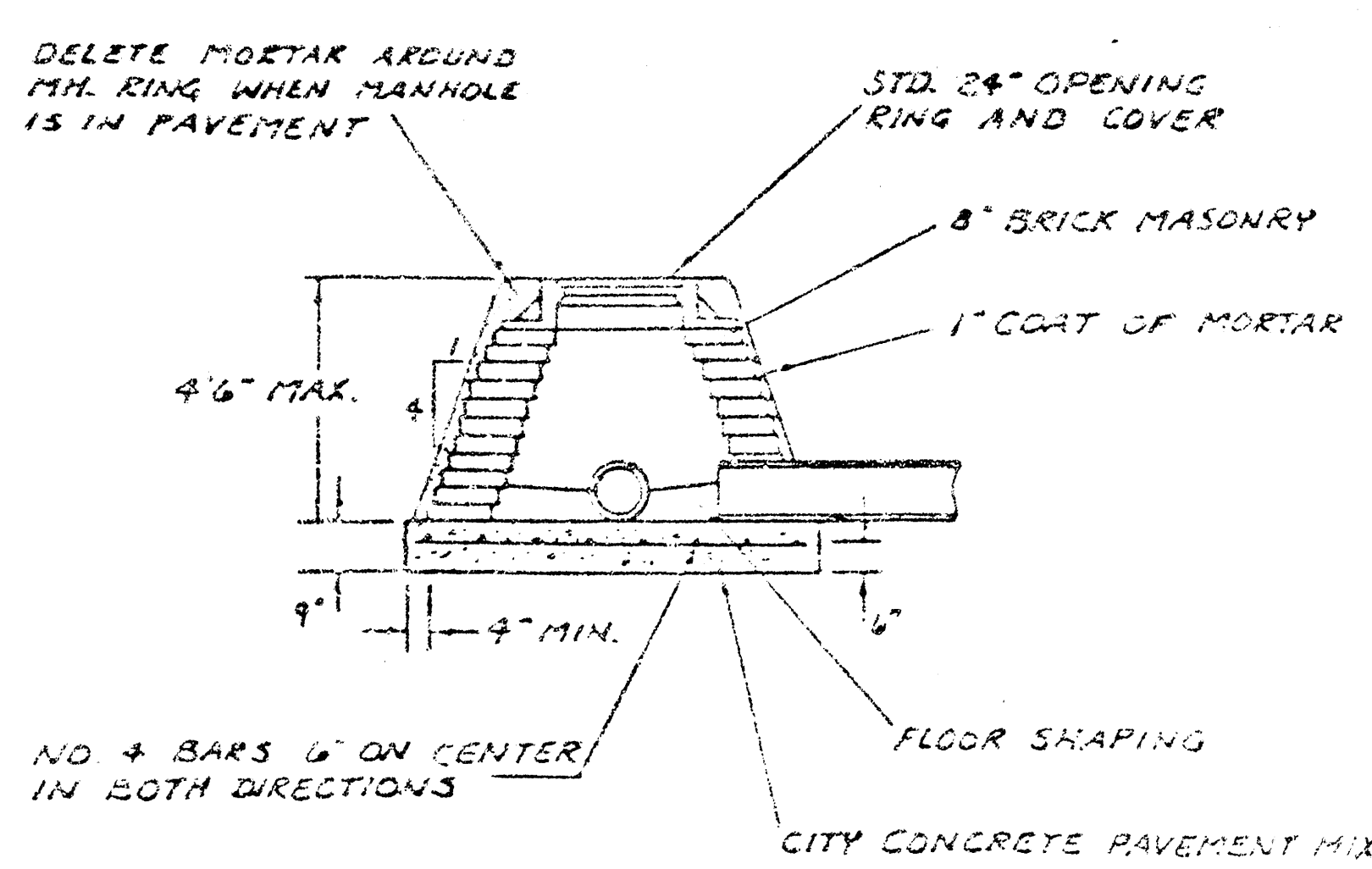


PLAN

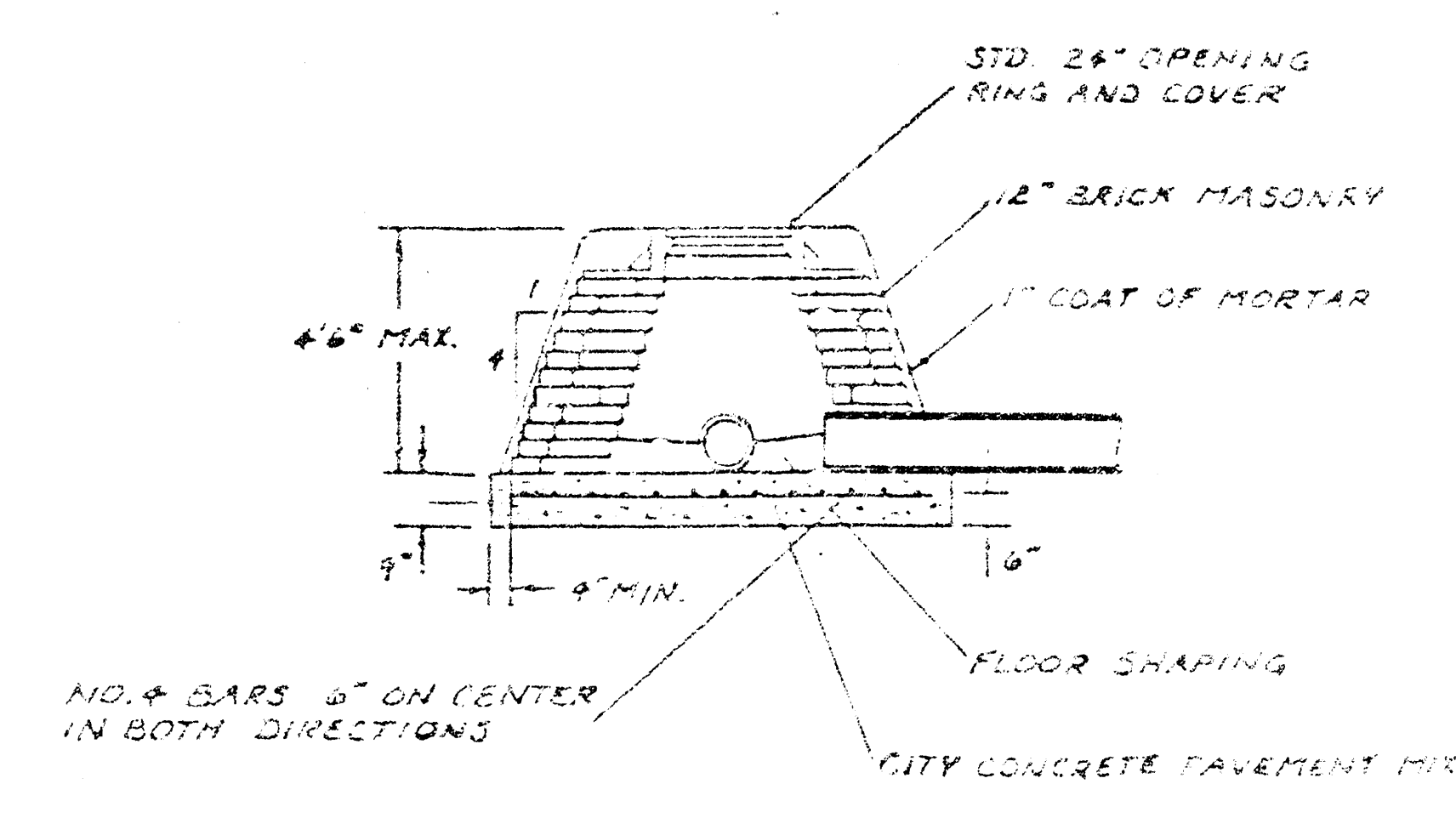


SECTION A-A

FLAT CONCRETE SLAB DETAILS



SPECIAL SHALLOW TYPE "A" MANHOLE



SPECIAL SHALLOW TYPE "B" MANHOLE

1. RIVET USED IN MASONRY CONSTRUCTION SHALL BE OF A TYPE WHICH WILL NOT CORRODE IN CONTACT WITH MASONRY. RIVETS SHALL BE OF A TYPE WHICH WILL NOT CORRODE IN CONTACT WITH MASONRY. RIVETS SHALL BE OF A TYPE WHICH WILL NOT CORRODE IN CONTACT WITH MASONRY.
2. REINFORCING STEEL SHALL BE INSTALLED IN THE MASONRY BASE AND SHALL BE OF A TYPE WHICH WILL NOT CORRODE IN CONTACT WITH MASONRY. REINFORCING STEEL SHALL BE OF A TYPE WHICH WILL NOT CORRODE IN CONTACT WITH MASONRY.
3. THE FLOORS OF ALL MANHOLES SHALL BE SLOPED WITH A MINIMUM SLOPE OF 3" TO 2' TO THE OUTLET PIPE. THE FLOORS SHALL BE SLOPED WITH A MINIMUM SLOPE OF 3" TO 2' TO THE OUTLET PIPE.
4. PIPES INSTALLED WITHIN THE EXCAVATION HAVE FOR THE MANHOLE SHALL BE GRADED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE GRADE SHALL BE TO THE FIRST JOINT ABOVE THE MANHOLE. THE GRADE SHALL BE TO THE FIRST JOINT ABOVE THE MANHOLE.
5. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL COMPLY TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWINGS.
6. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
7. STANDARD SHALLOW MANHOLES TYPE "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE AND DIAMETER INDICATED. STANDARD SPECIAL SHALLOW MANHOLES TYPE "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE INDICATED. ALL STANDARD SHALLOW MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

CITY OF WICHITA, KANSAS
STANDARD SHALLOW MANHOLES
TYPE "A" AND TYPE "B"

PROJ. NO. 488-10-243 (10/11/10) (10/11/10)

10 2 4 1