

GENERAL NOTES

1. THE TOPS OF INLETS AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
2. ALL CONCRETE SHALL BE STANDARD PAVING MIX--UNLESS OTHERWISE NOTED.
3. 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 IN ACCORDANCE WITH STATE LAWS.
4. TREES TO BE REMOVED ARE MARKED. ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
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 COMPANIES AND IS EITHER FROM A COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED. CONTRACTOR SHALL EXPOSE ALL UTILITIES AT POSSIBLE POINTS OF CONFLICT PRIOR TO ANY CONSTRUCTION.
6. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
 KANSAS ONE-CALL 1-800-344-7233
 THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
 CABLEVISION 263-2051
 KANSAS GAS & ELECTRIC 264-1141
 SOUTHWEST BELL TELEPHONE COMPANY 1-571-2611
 CITY OF WICHITA WATER DEPARTMENT 268-4908
 CITY OF WICHITA SEWER MAINTENANCE 266-4071
7. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.
8. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS AS IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
9. SITE RESTORATION AND PREPARATION SHALL BE SUBSIDIARY TO THE PROJECT.

**STORM SEWER AND SANITARY SEWER
ABANDONMENT PLANS
TO SERVE
LOT 2, BLOCK 1
COMOTARA POWER CENTER**

PRIVATE PROJECT NO. 563PPS

CITY OF WICHITA, KANSAS
SEDGWICK COUNTY, KANSAS
MICHAEL E. LINDEBAK, P.E., CITY ENGINEER
INDEX CODE: 607861

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

STORM SEWERS VRH 7/14/95
SANITARY SEWERS VRH 7/14/95

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

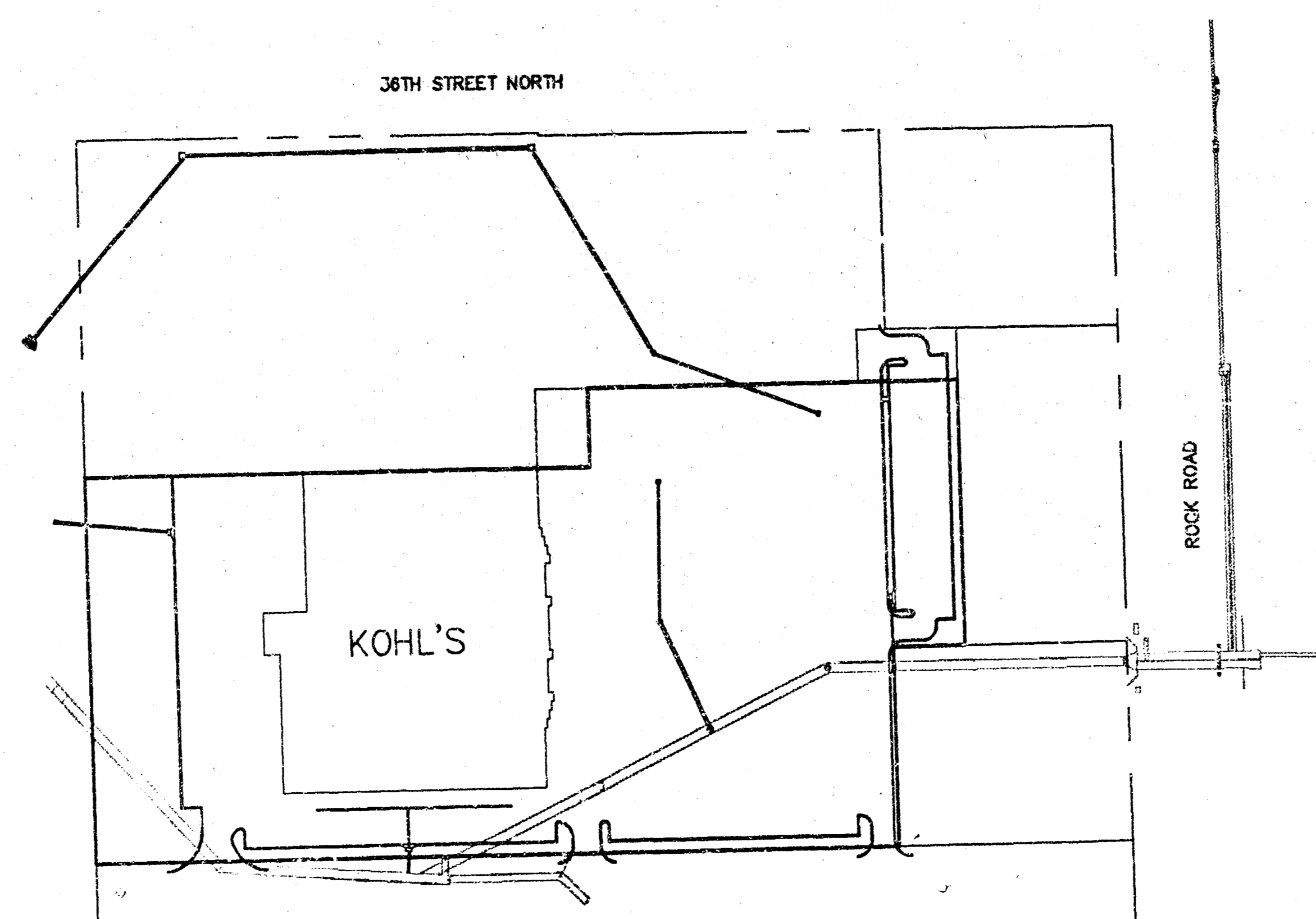
*D-434
710 APP Booked*

INDEX TO SHEETS:

1. TITLE SHEET
2. STORM SEWER PLAN
3. STORM SEWER PROFILE
4. STORM SEWER PROFILE
5. GRATED DROP INLET DETAILS
6. STANDARD TYPE 1A CURB INLET DETAILS
7. MANHOLE DETAILS

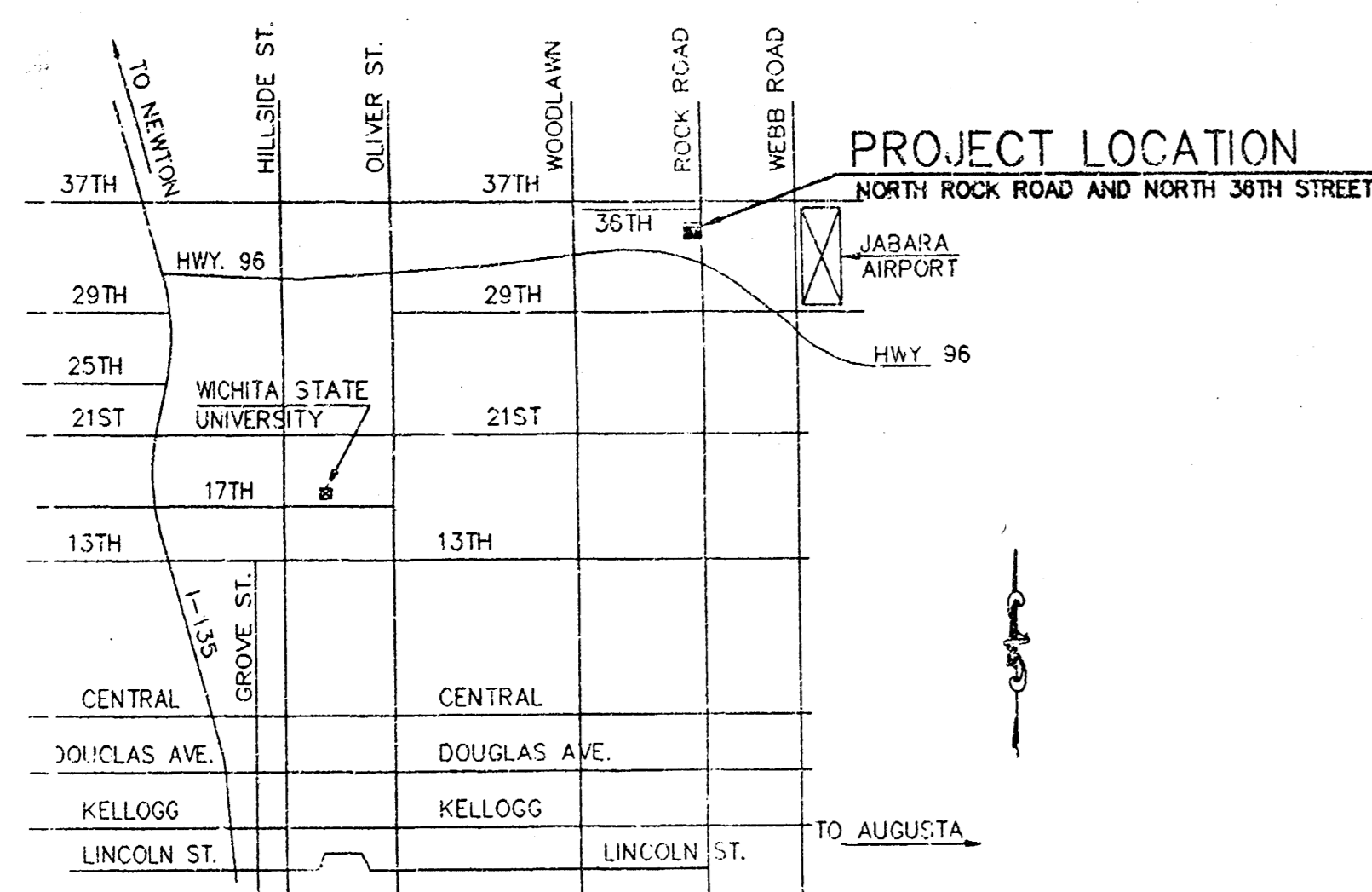
BENCHMARKS

- BENCHMARK #1: BRASS DISC CITY OF WICHITA
CITY ELEV. = 198.30
USGS ELEV. = 1385.72
- BENCHMARK #2: CHISELED "C" TOP CURB INLET NEAR CORNER OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1381.45
- BENCHMARK #3: CHISELED "X" IN CONCRETE AT THE SOUTHEAST CORNER OF LOT 3, BLOCK 1, COMOTARA POWER CENTER TO THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22



STORM SEWER LINE LOCATION MAP
NO SCALE

*Sanitary Sewer Booked
8-25-95 JKL
As Per Plan*

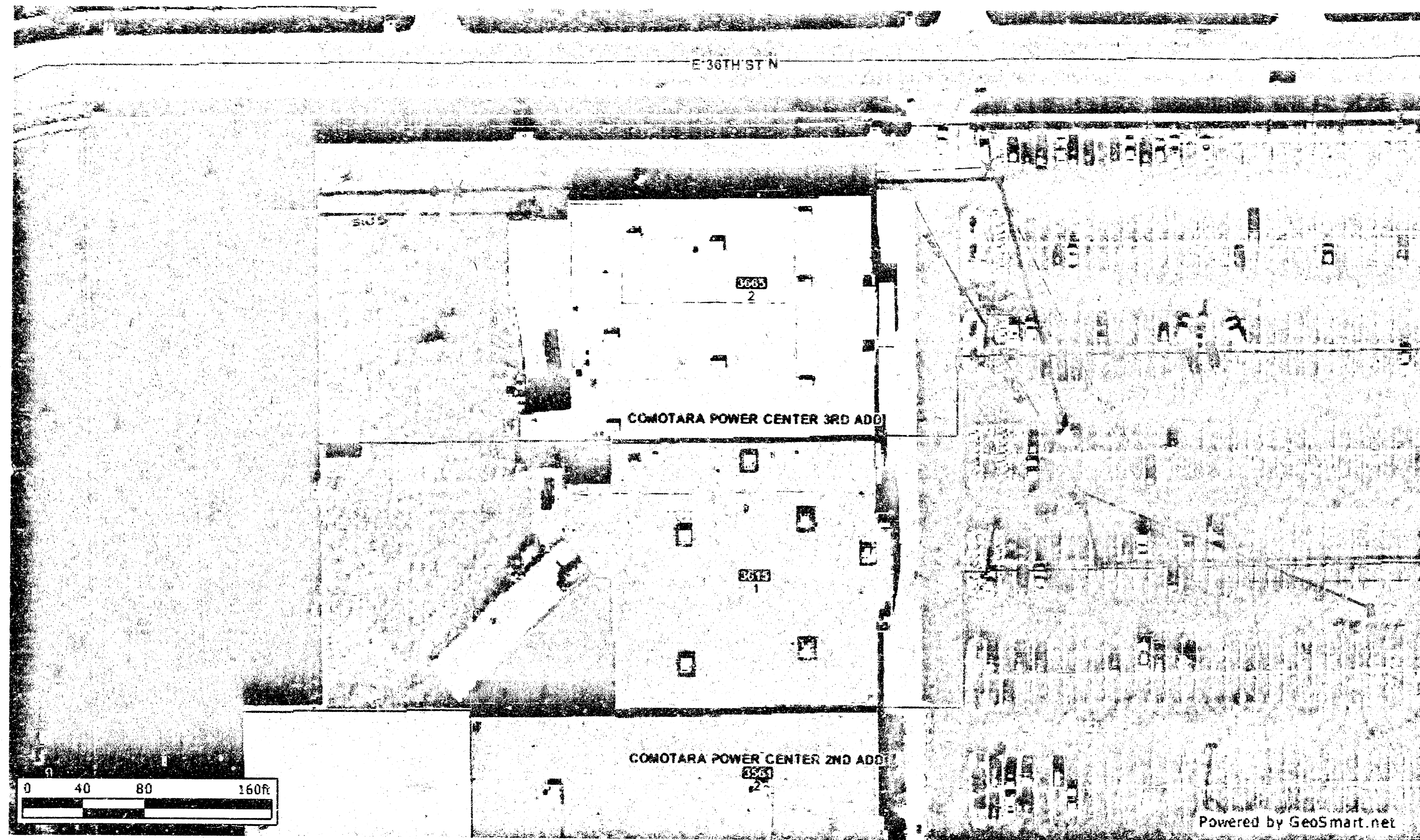


VICINITY MAP
NOT TO SCALE

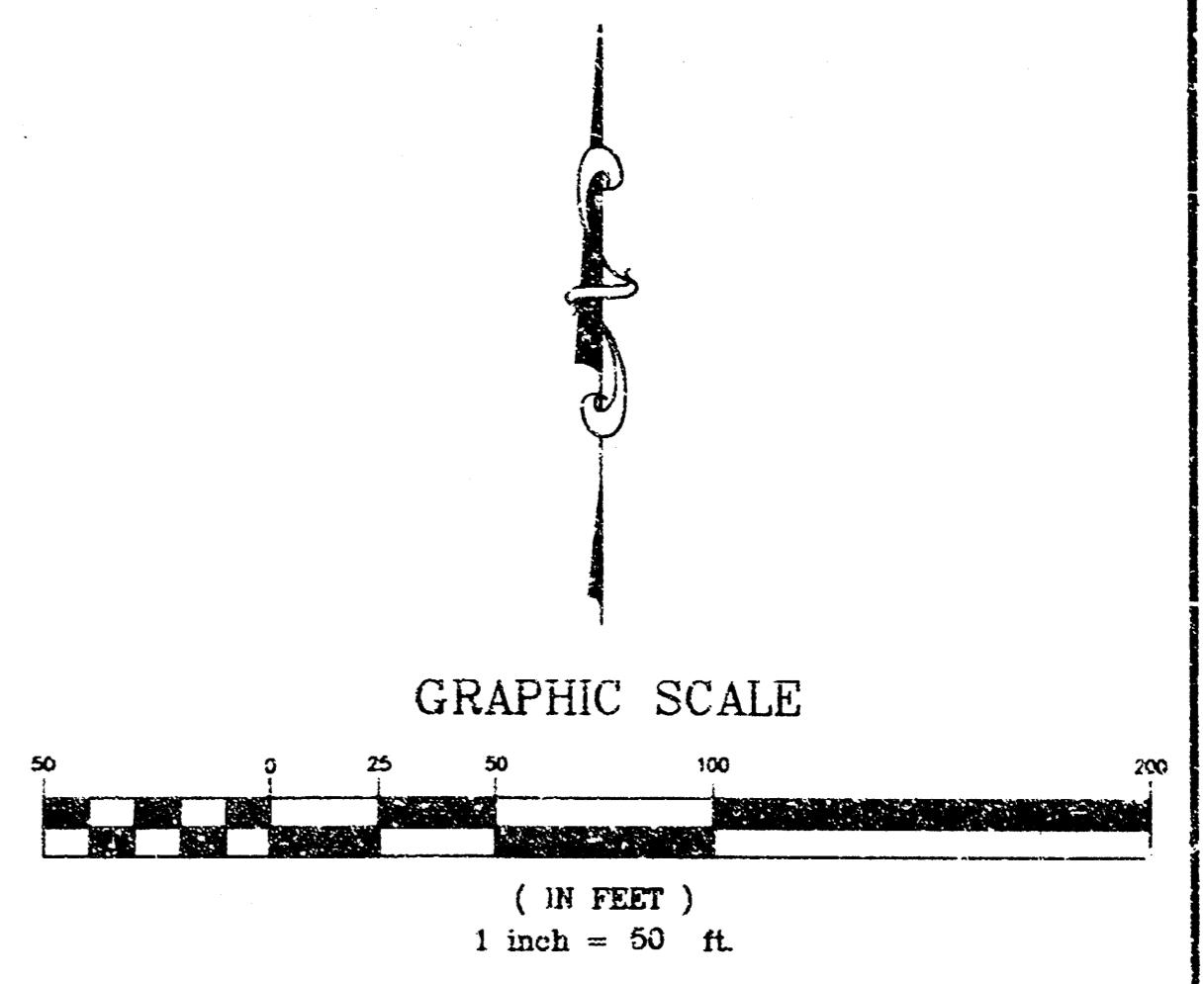
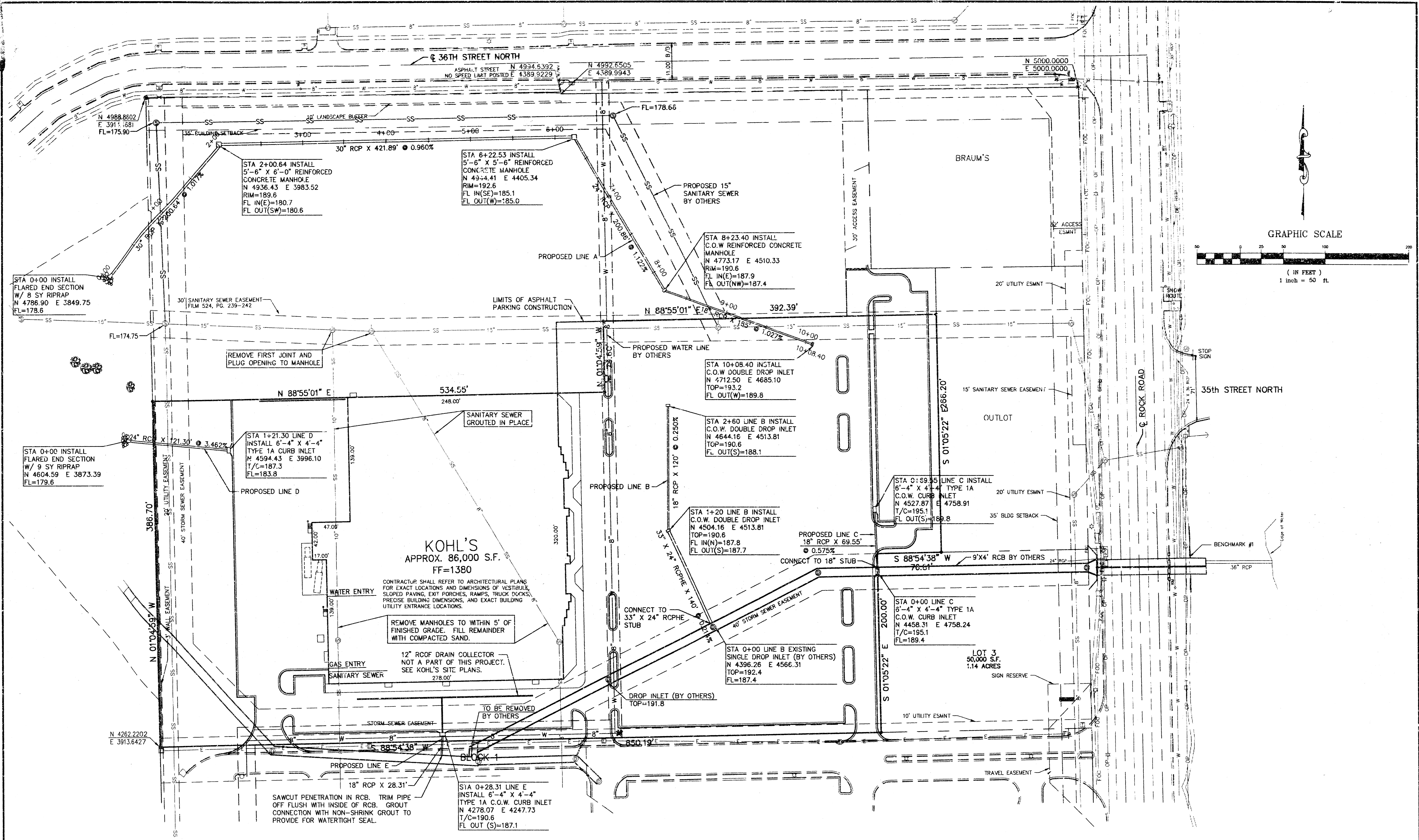
S.D. Malinowsky
SAMUEL D. MALINOWSKY 7-13-95
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY
2	7/13/95	REVISED STORM SEWER LOCATION & ADDED STORM SEWER ABANDONMENT	JT
1	6/27/95	REVISED PER CITY OF WICHITA	JT

TITLE SHEET	
P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS (913)762-5040 FAX 913-762-7744	KAW VALLEY ENGINEERING, INC. 122 N.W. PARKWAY REVERSHO, MISSOURI 64450 (816)587-5033 9071 ALDEN ROAD LENEXA, KANSAS 66215 (816)884-5100
PROJ. NO. 95-1681 DATE JUNE 8, 1995 DESIGNER SDJ DRAWN BY JT CHECKED BY JT DATE 6/27/95 SHEET 1 OF 7	



See ~~SS~~ 710 PPS when Booking 563 PPS
714 abandon some pipe
D-434



NOTE: PIPE DISTANCES ARE CENTER TO CENTER OF STRUCTURE.

COORDINATES ARE TO CENTER OF DROP INLETS, TO CENTER OF FRONT OF CURB INLETS, AND TO CENTER OF END OF END SECTIONS.

BENCHMARK #1: BRASS DISC CITY OF WICHITA
CITY ELEV. = 198.30
USGS ELEV. = 1385.70

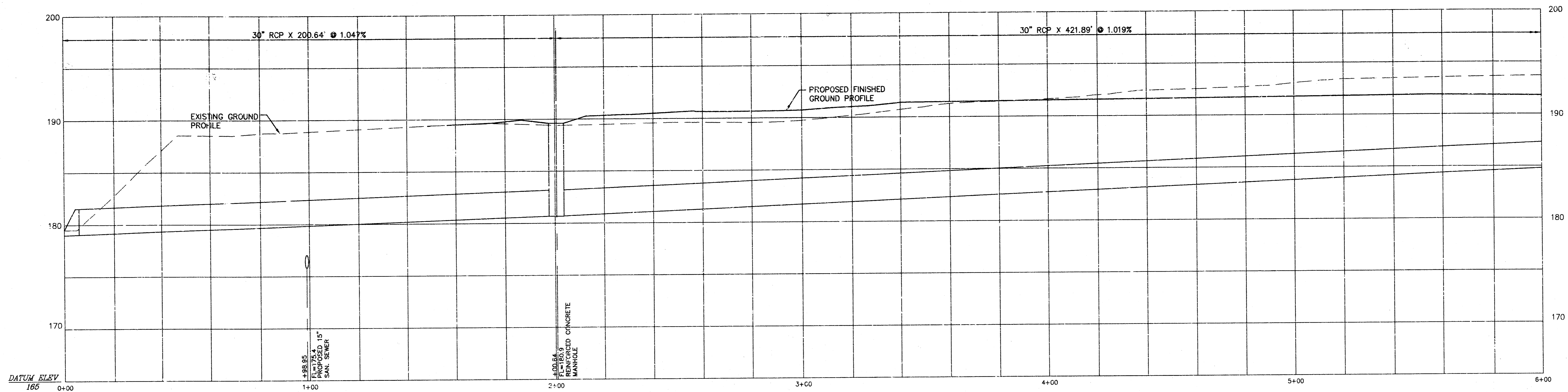
BENCHMARK #2: CHISELED "C" TOP CURB INLET NEAR CORNER OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1381.45

BENCHMARK #3: CHISELED "X" IN CONCRETE AT THE SOUTHEAST CORNER OF LOT 3, BLOCK 1, COMOTARA POWER CENTER TO THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22

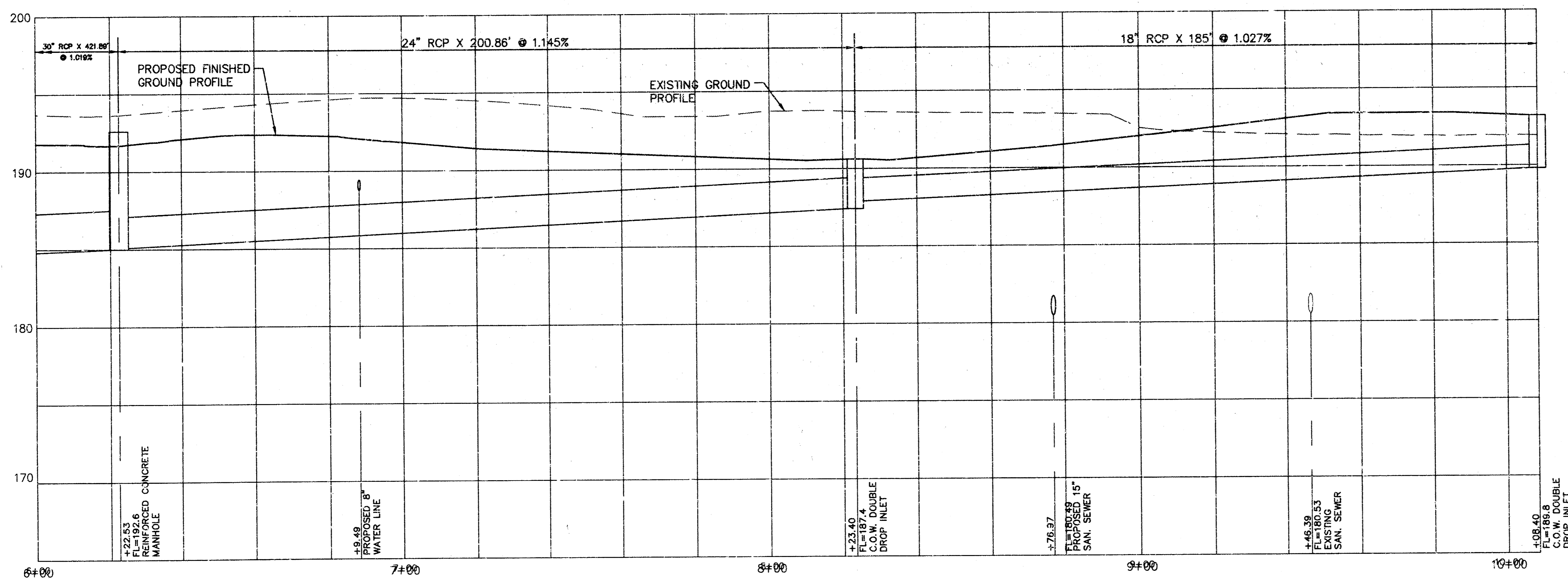
NO.	DATE	REVISION	BY
2	7/13/95	REVISED STORM SEWER LOCATION & ADDED SANITARY SEWER ABANDONMENT	JT
1	6/27/95	REVISED PER CITY OF WICHITA	JT

STORM SEWER PLAN

P.O. BOX 1304 2318 NORTH JACKSON JUNCTION CITY, KANSAS (913)782-5040 FAX 913-782-7744	KAW VALLEY ENGINEERING, INC	122 N.W. PARKWAY RIVERSIDE, MISSOURI 64150 (816)887-5033 DESIGNER: SJM DRAWN BY: JT CHECKED BY: CFN 16815151 SHEET 2 OF 7
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PROPOSED LINE A



PROPOSED LINE A

SCALE: 1"=20' HORIZ.
1"=5' VERT.

BENCHMARK #1: BRASS DISC CITY OF WICHITA
CITY ELEV. = 198.30
USGS ELEV. = 1385.70

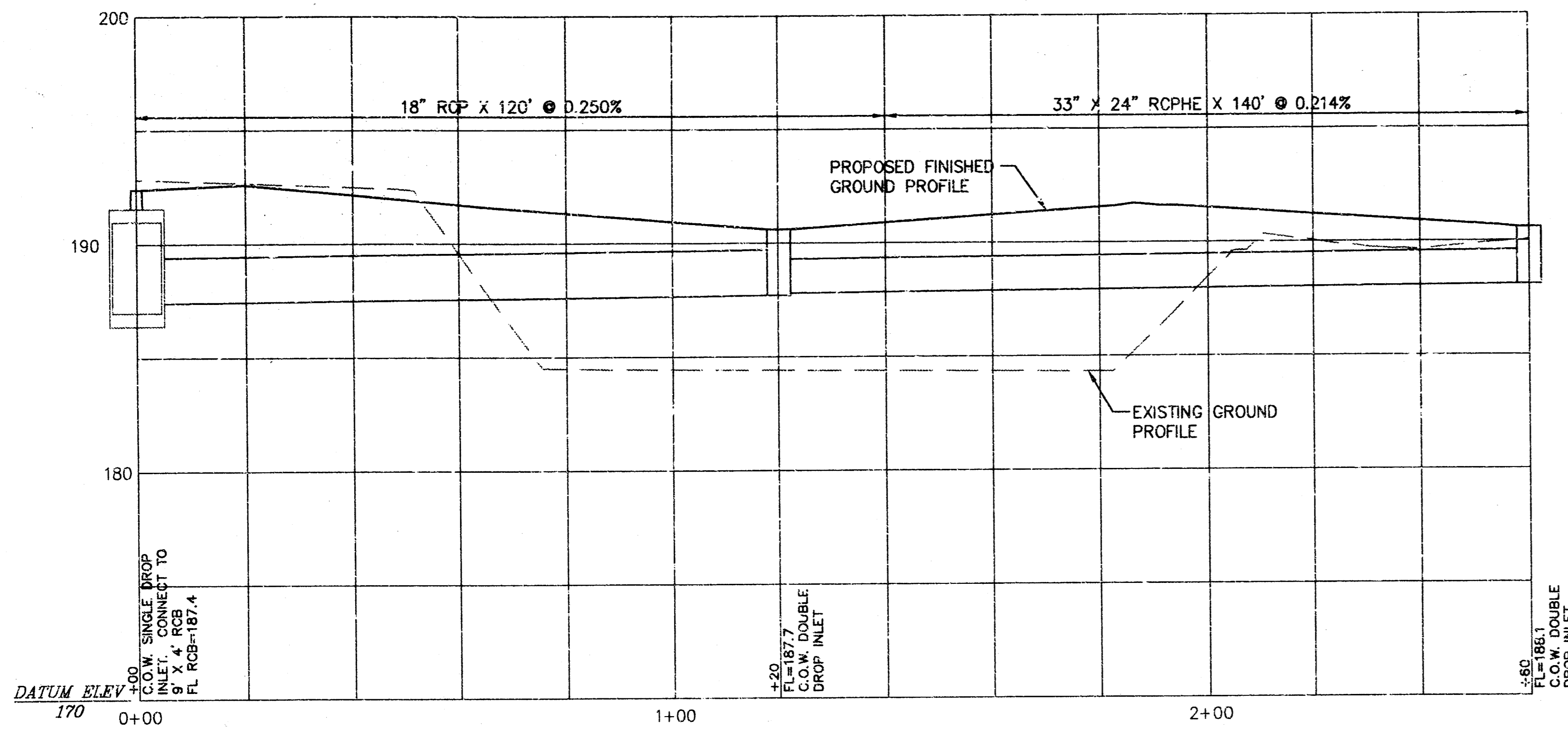
BENCHMARK #2: CHISELED "C" TOP CURB INLET NEAR CORNER
OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1791.45

BENCHMARK #3: CHISELED "X" IN CONCRETE AT THE SOUTHEAST
CORNER OF LOT 3, BLOCK 1, COMOTARA POWER CENTER TO
THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22

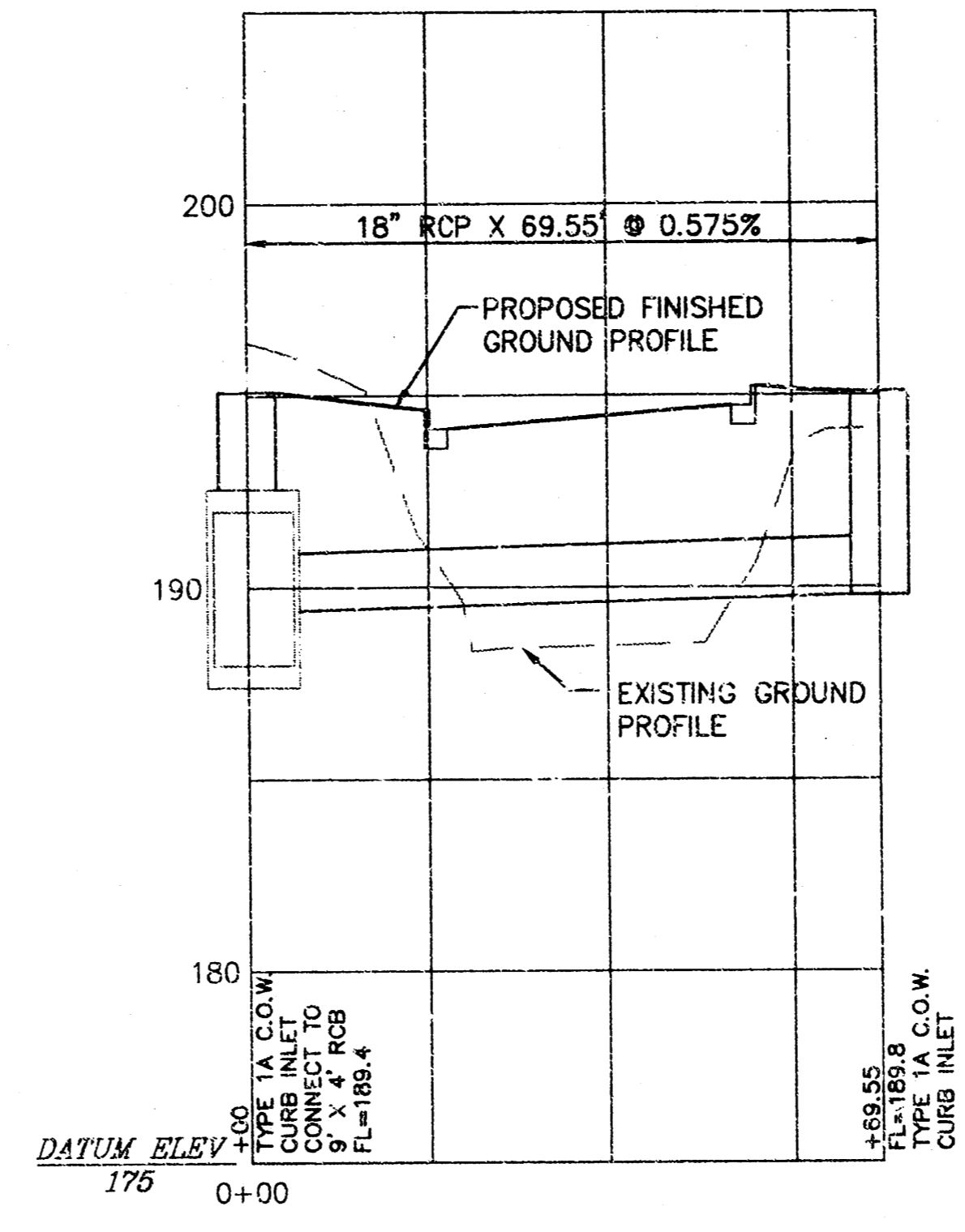
NO.	DATE	REVISION	BY
2	7/13/95	REVISED STORM SEWER LOCATION & ADDED SANITARY SEWER ABANDONMENT	JT
1	5/27/95	REVISED PER CITY OF WICHITA	JT

STORM SEWER PROFILES

P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS (913)762-5040 FAX 913-762-7744	KAW VALLEY ENGINEERING, INC	122 N.W. PARKWAY ROCKFORD, MISSOURI (816)777-5033 66441 9071 ALDEN ROAD LENEXA, KANSAS 66153 (913)864-0150	PROJ. NO. 95-1683 DATE JUNE 8, 1995 DESIGNER SDM DRAWN BY JT CHECKED BY CITY 1683ST52 SHEET 3 OF 7
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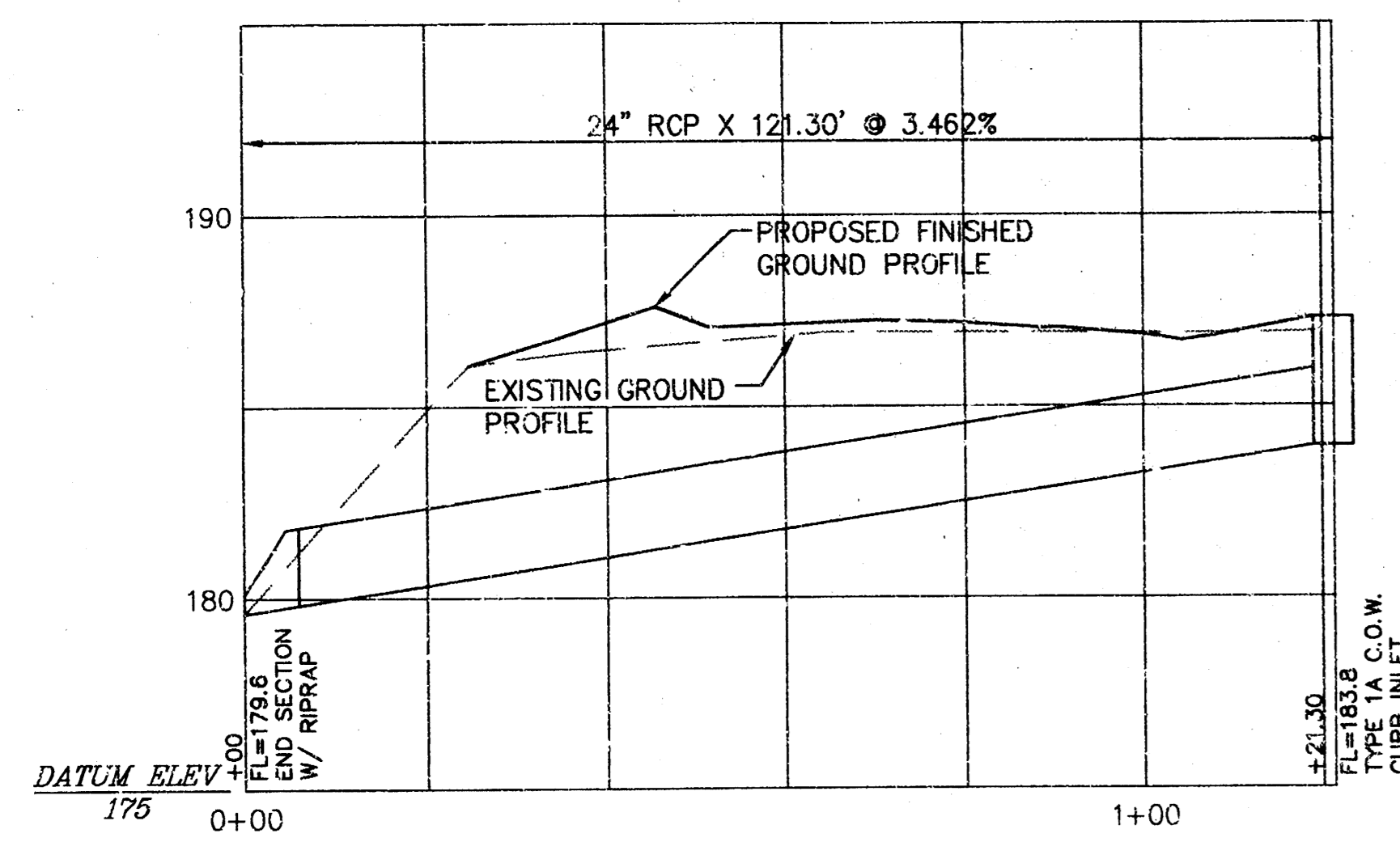


PROPOSED LINE B

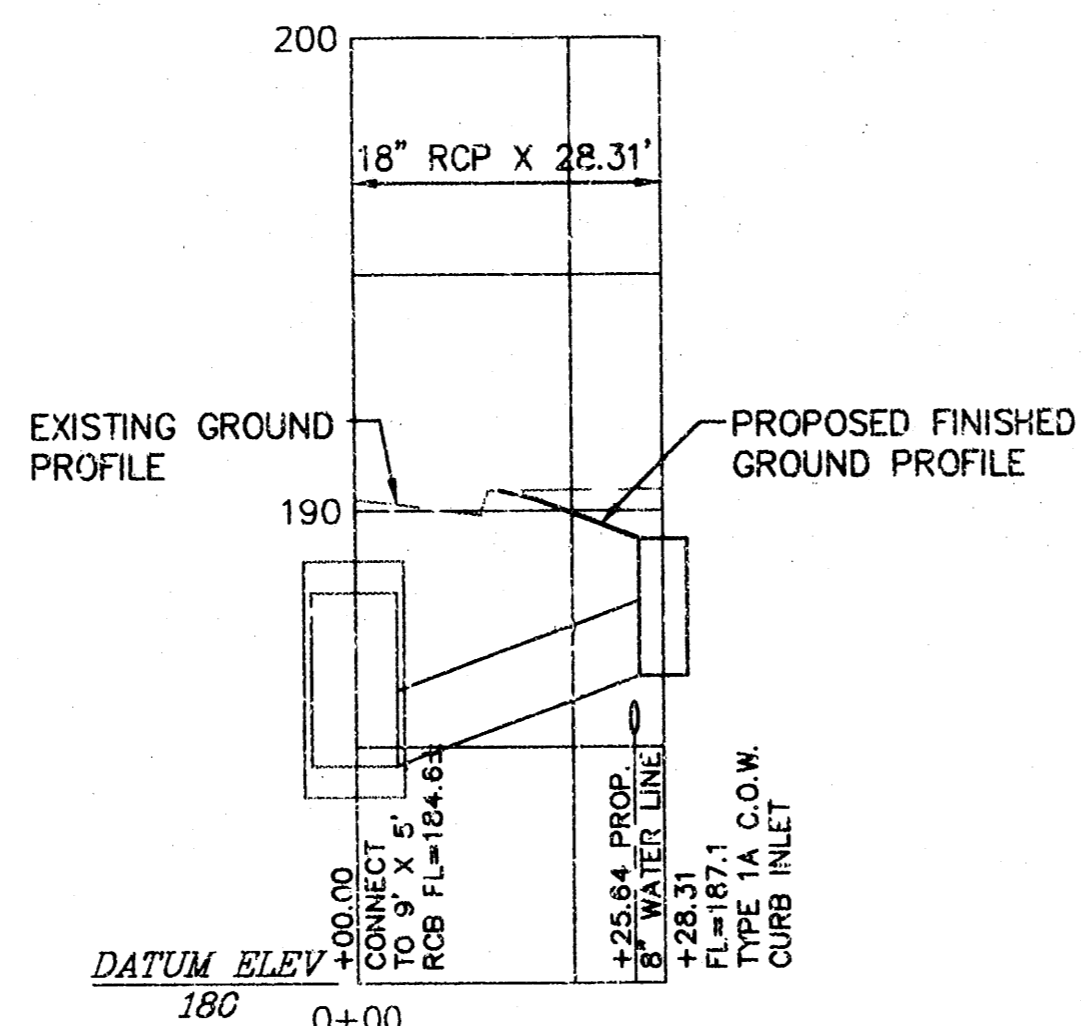


PROPOSED LINE C

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



PROPOSED LINE D



PROPOSED LINE E

BENCHMARK #1: BRASS DISC CITY OF WICHITA
CITY ELEV. = 198.30
USGS ELEV. = 1385.70

BENCHMARK #2: CHISELED "O" TOP CURB INLET NEAR CORNER OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1381.45

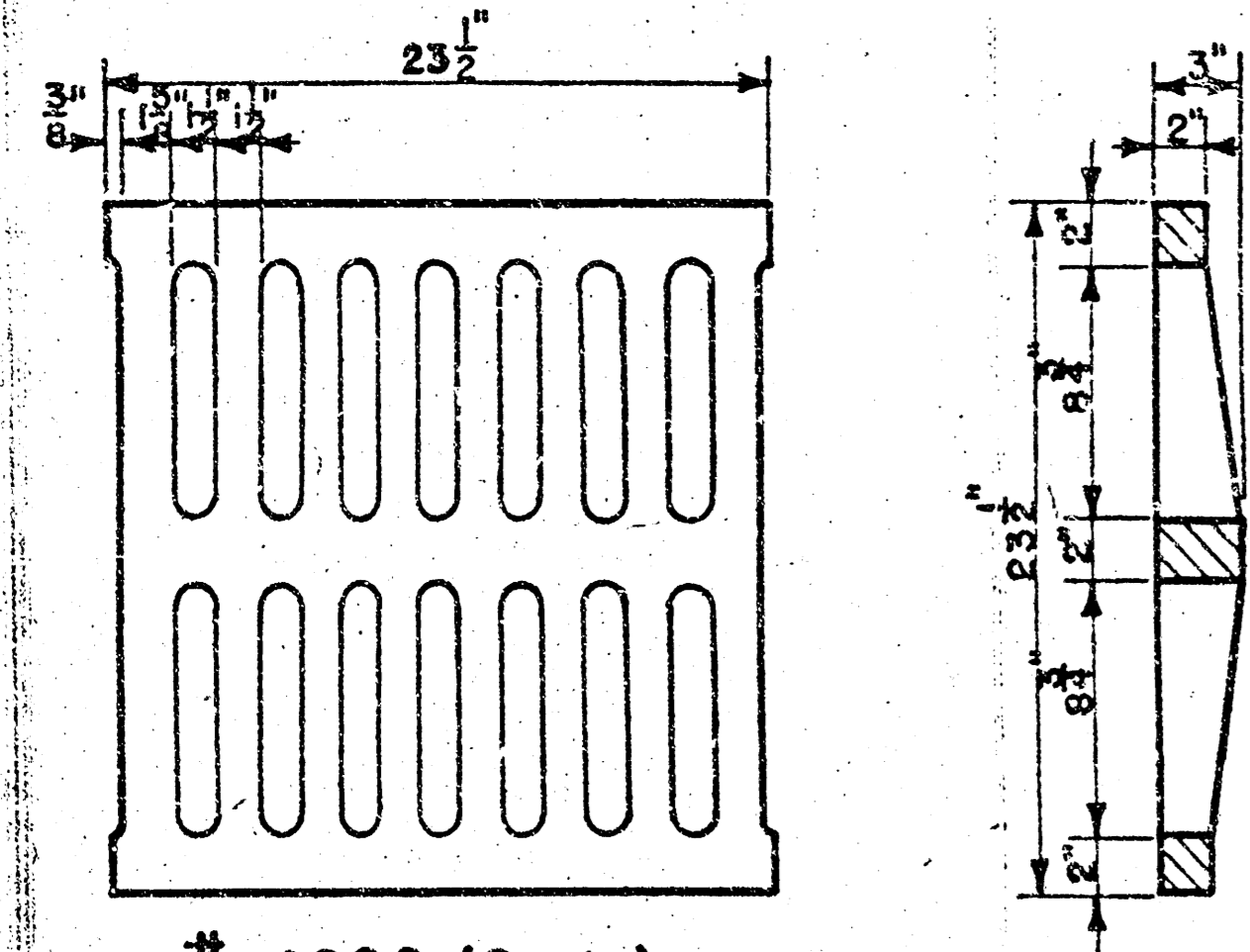
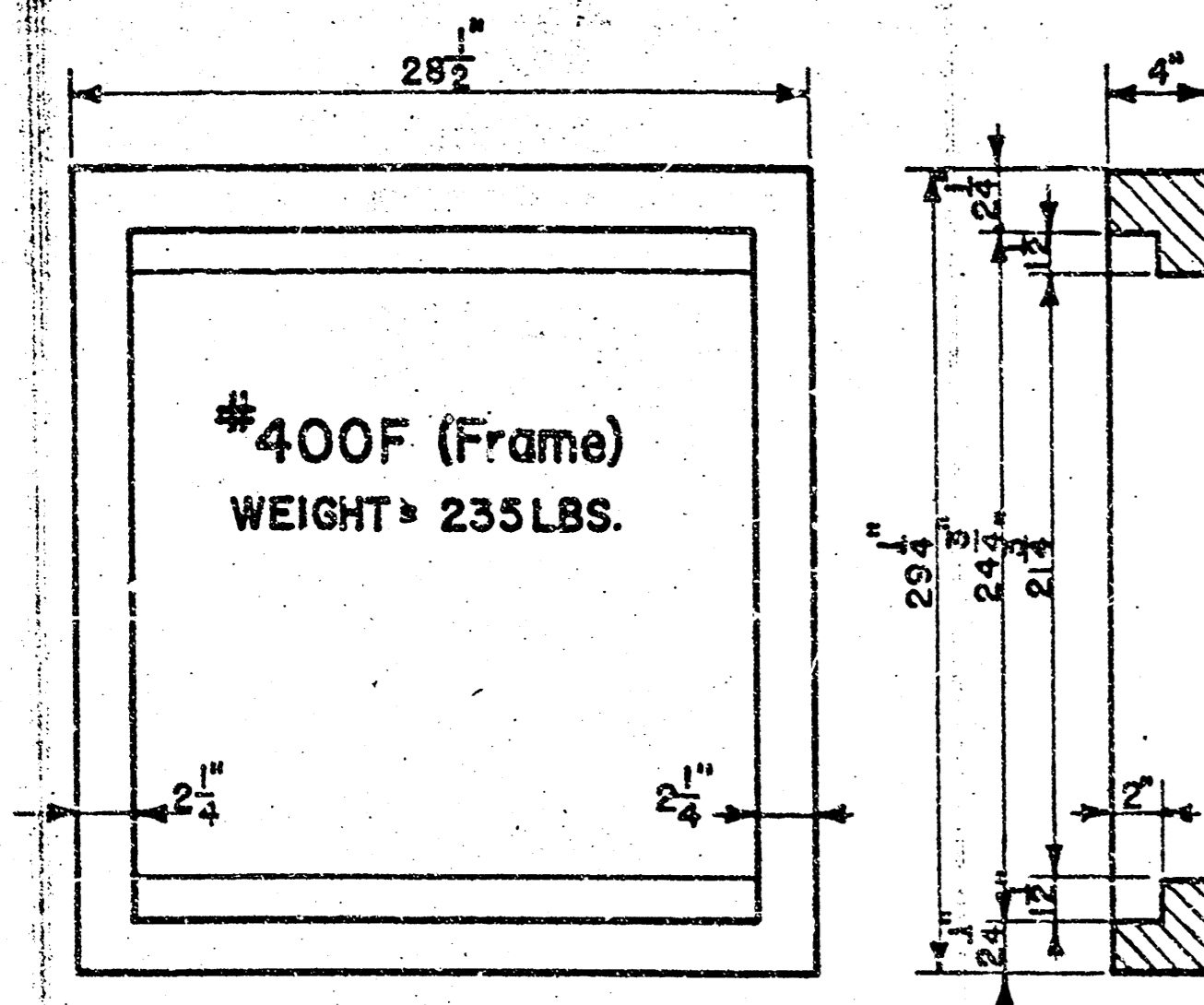
BENCHMARK #3: CHISELED "X" IN CONCRETE AT THE SOUTHEAST CORNER OF LOT 3, BLOCK 1, COMOTARA POWER CENTER TO THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22

NO.	DATE	REVISION	BY
2	7/13/95	REVISED STORM SEWER LOCATION & ADDED SANITARY SEWER ABANDONMENT	JT
1	6/27/95	REVISED PER CITY OF WICHITA	JT

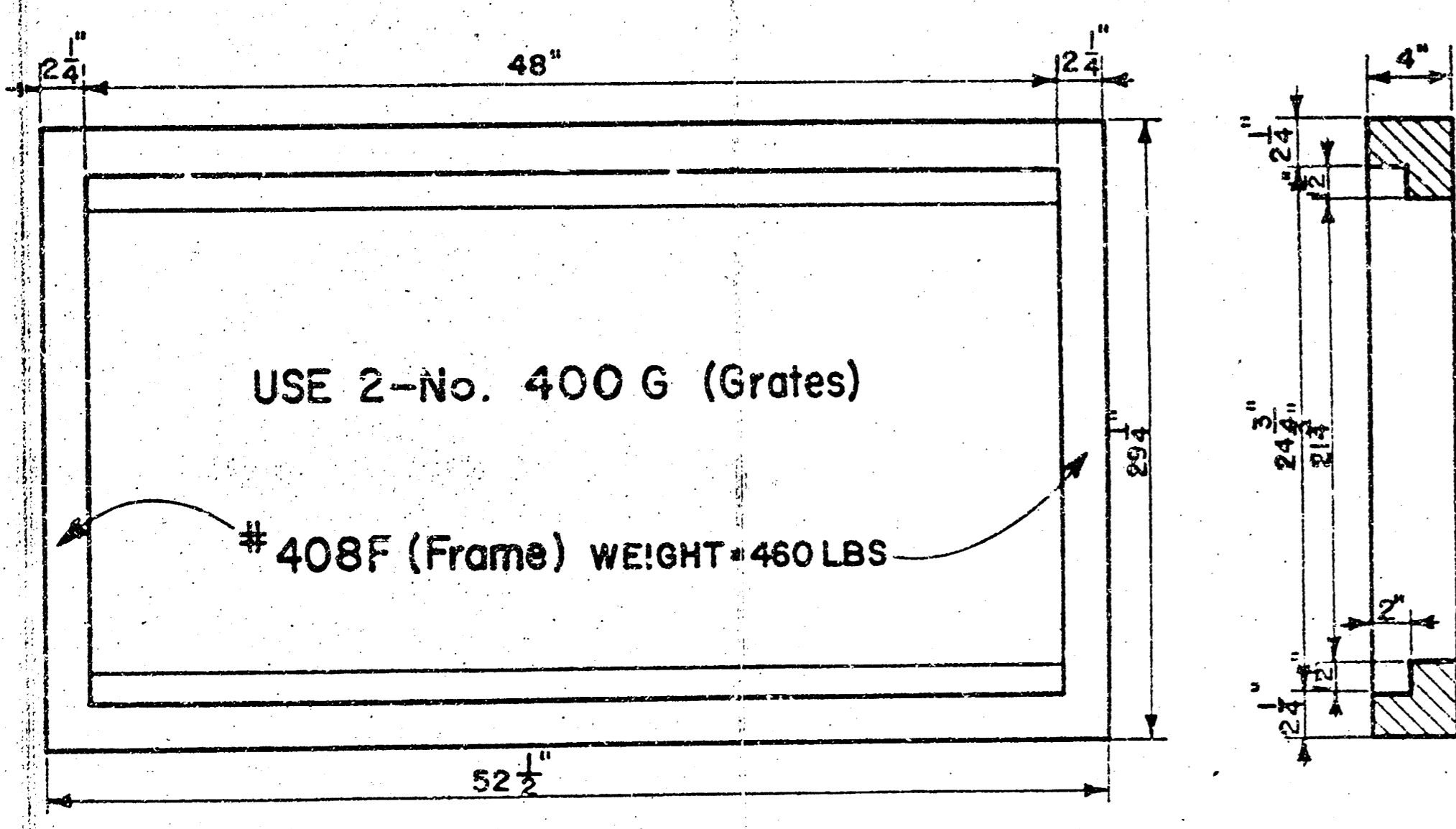
STORM SEWER PROFILE

P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS 66441 (913)762-5040 FAX 913-762-7744	KAW VALLEY ENGINEERING, INC	132 N.W. PARKWAY WICHITA, MISSOURI 67102 (913)867-5023 9571 ALLEN ROAD LENEXA, KANSAS 66251 (913)884-5150	PROJ. NO. 95-1683 DATE JUNE 26, 1995 DESIGNER SDM DRAWN BY JT CHECKED BY CEN SHEET 4 OF 7
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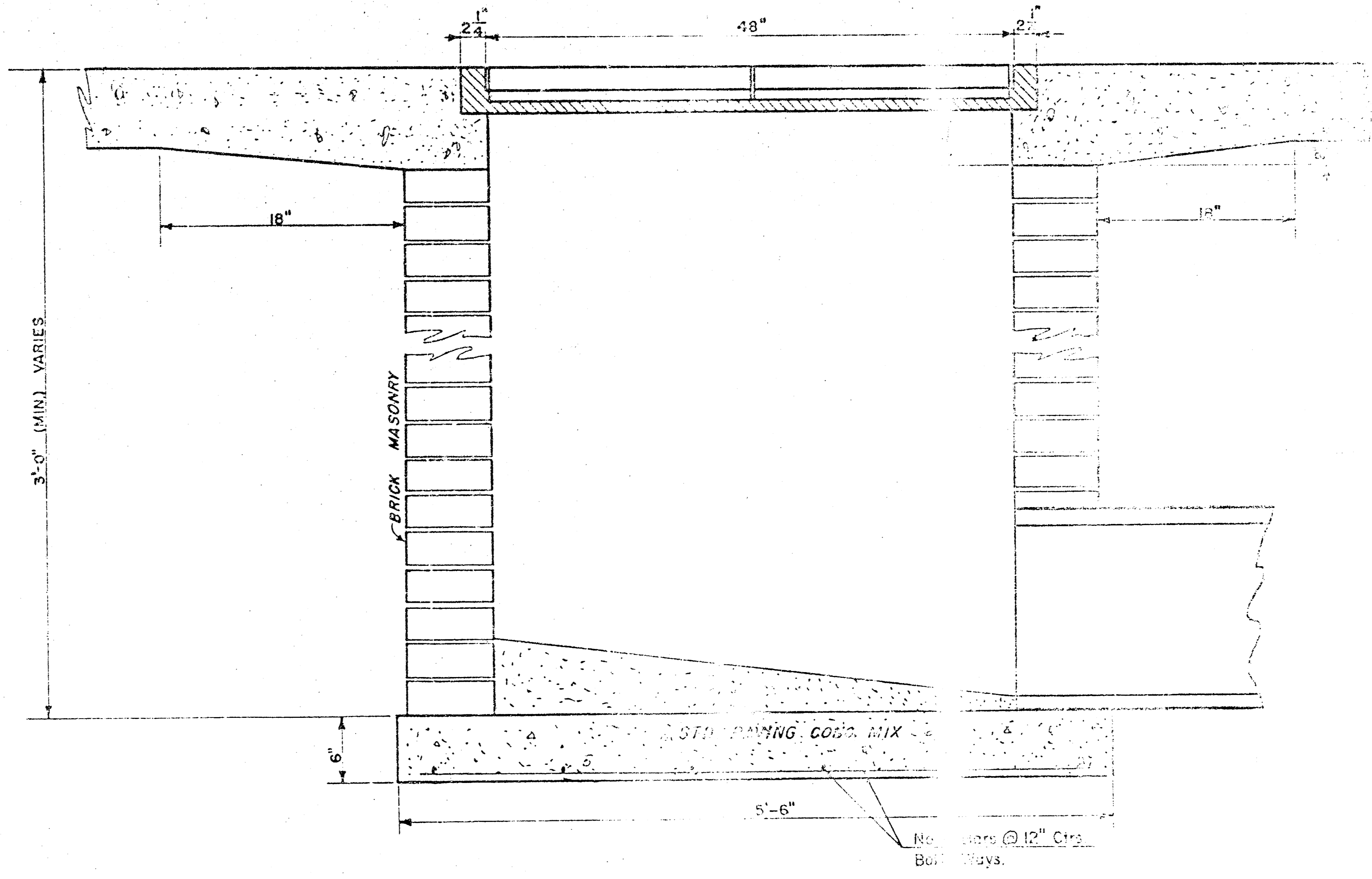
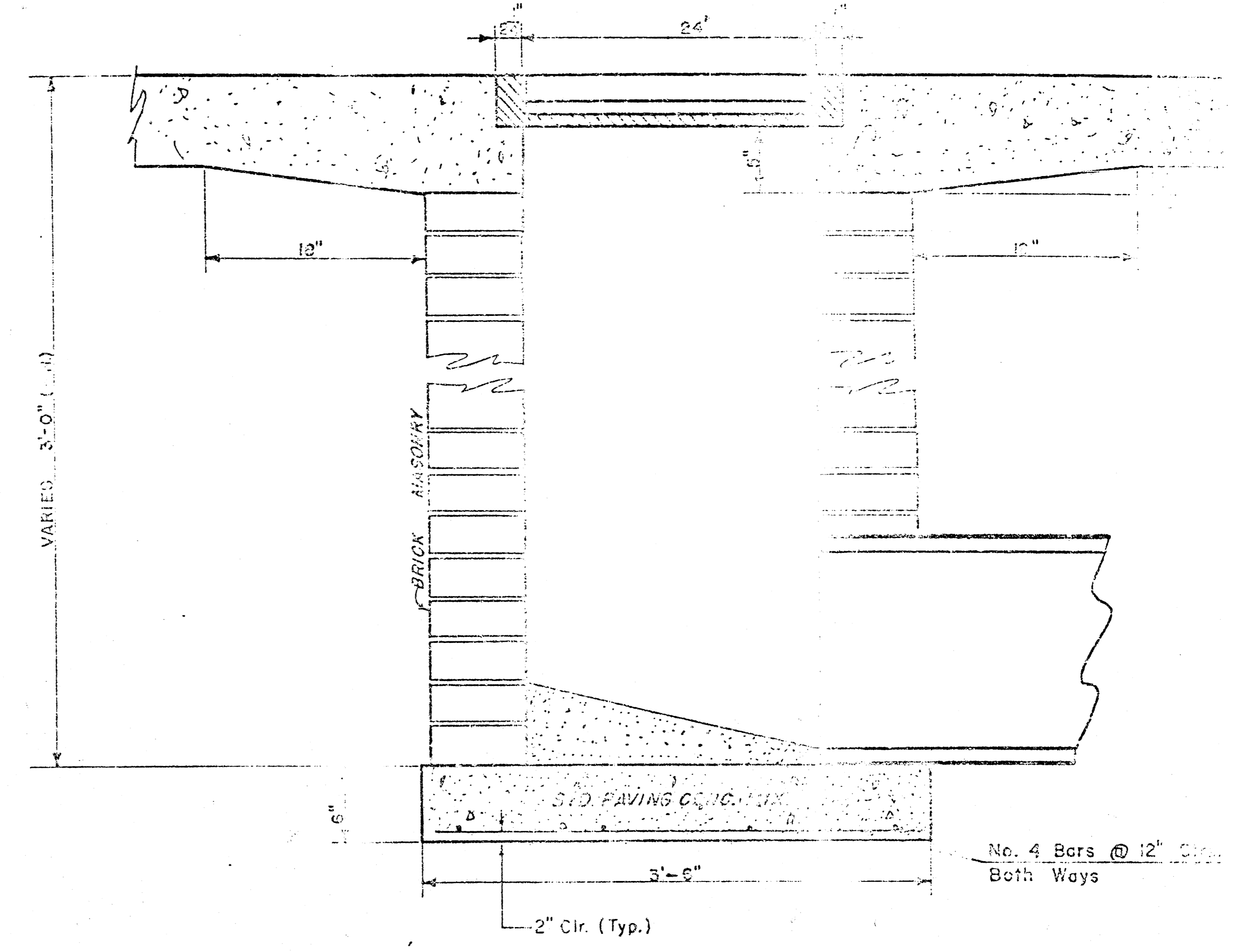
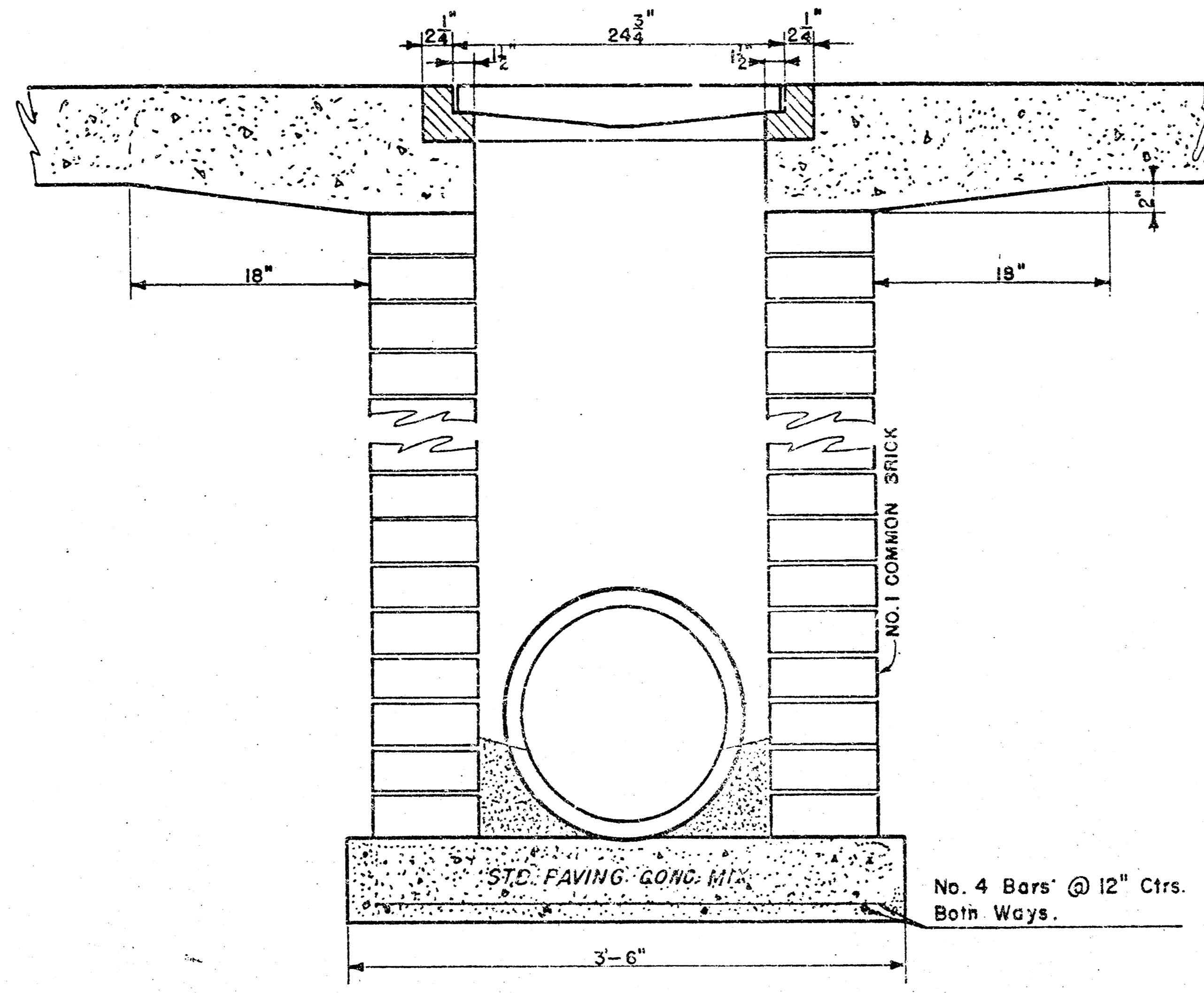
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be used only if approved by the engineer.



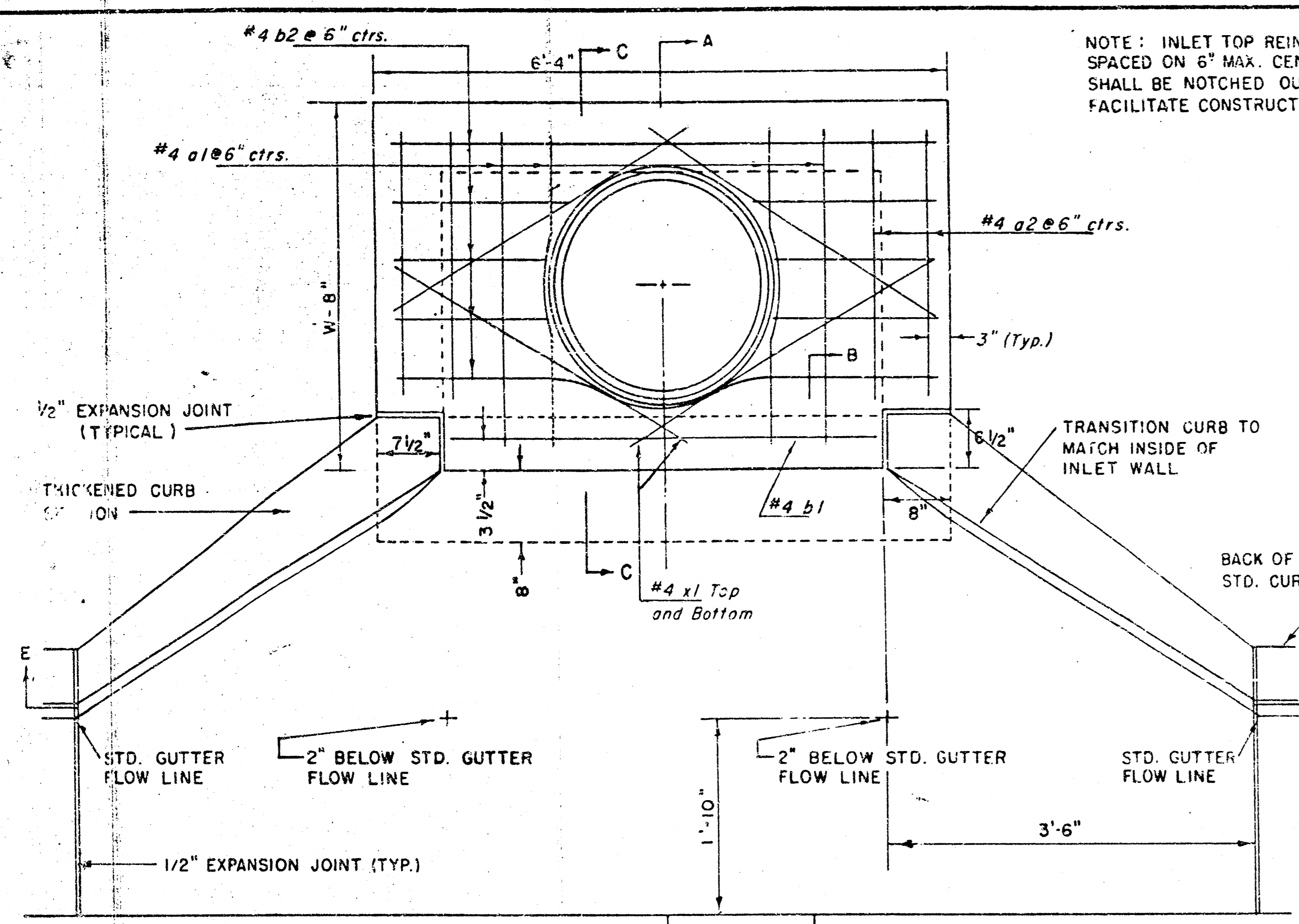
24"x24" Frame & Grate Detail



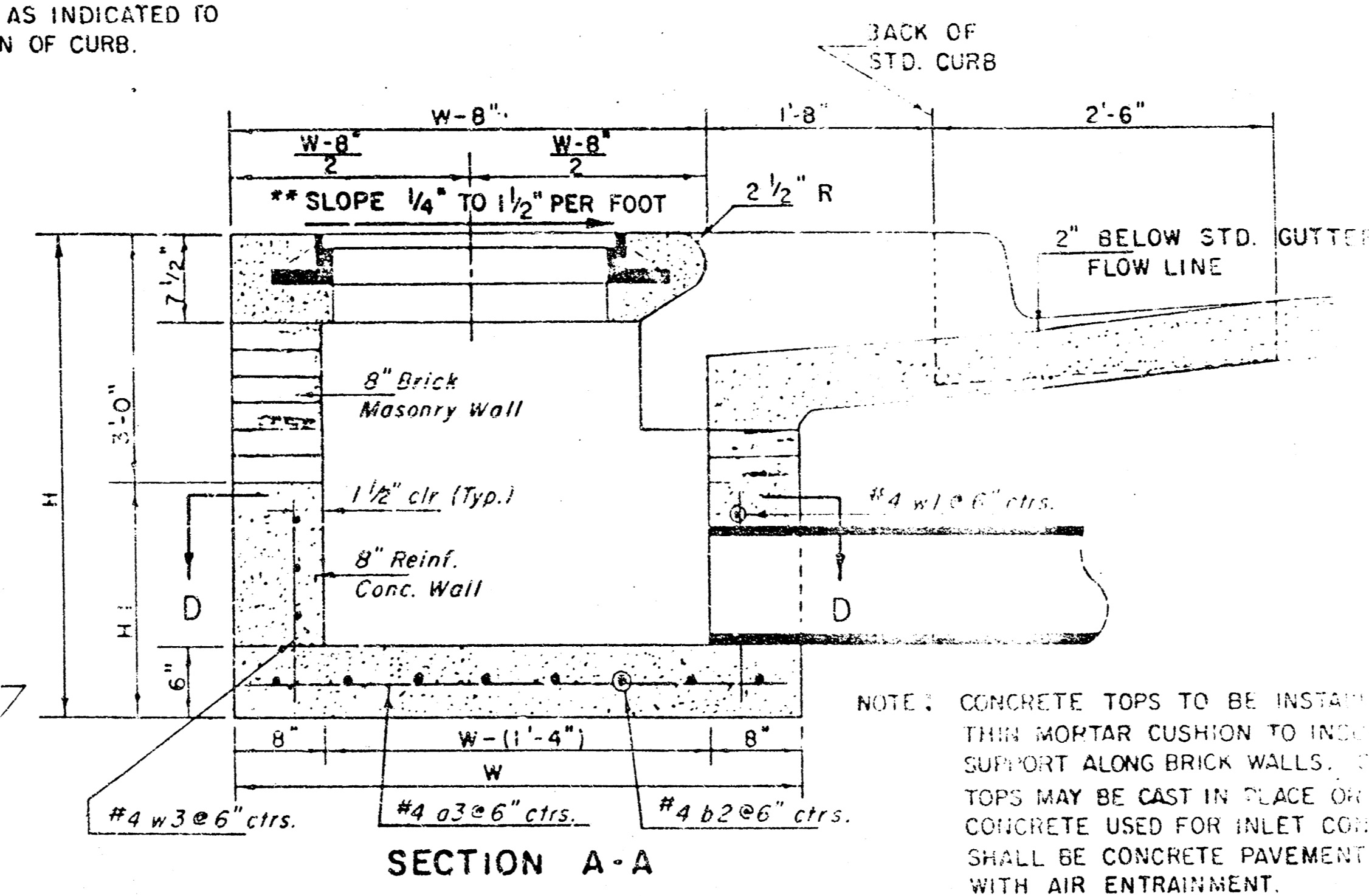
Double 24"x24" Frame Detail



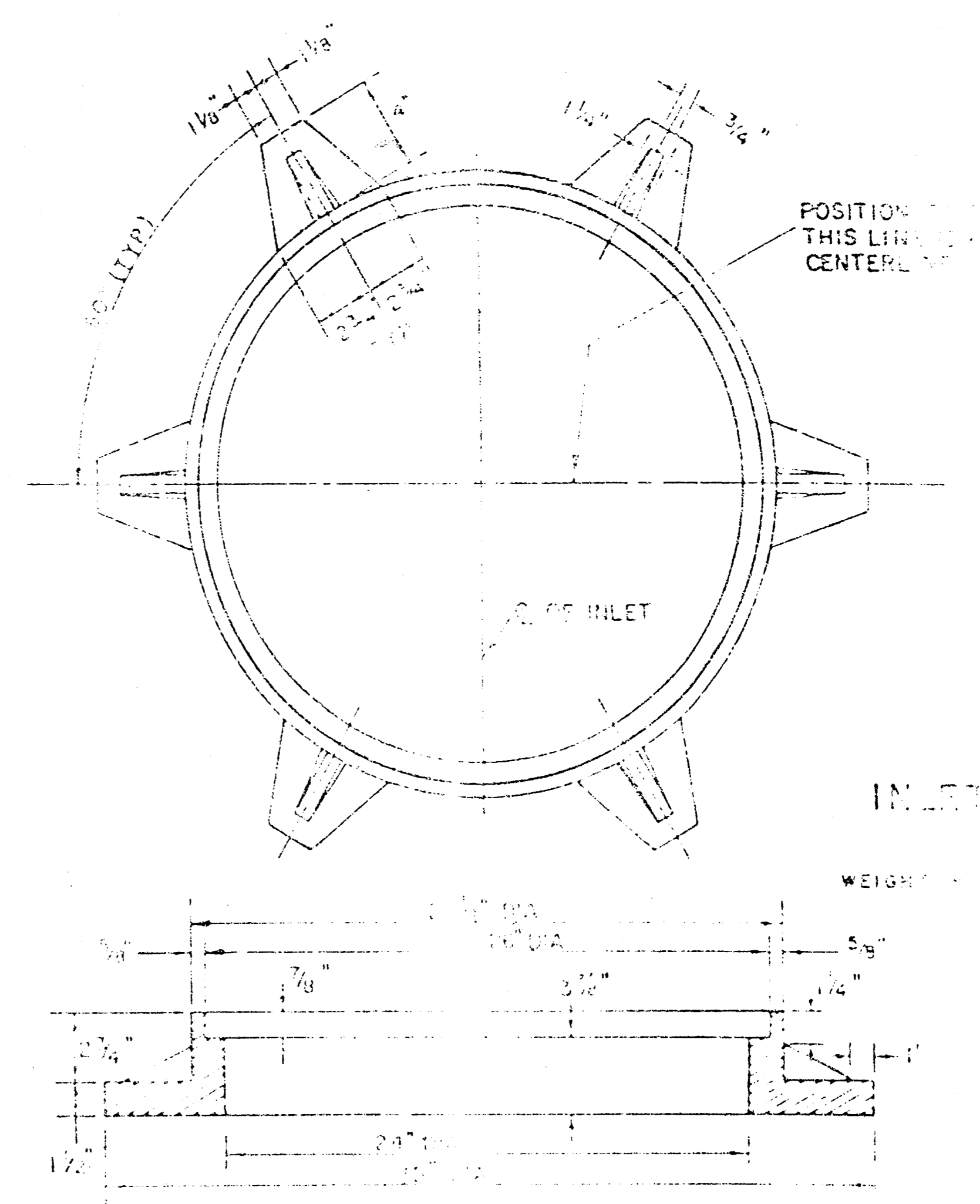
CRSP ML
M.E. Lindbeck, C.E.
City of Wichita
Project
Project No.
Date
Scale: 1-1/2" = 1'-0"



NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6\"/>



NOTE: CONCRETE TOPS TO BE INSTALLED ON THIS MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.



NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

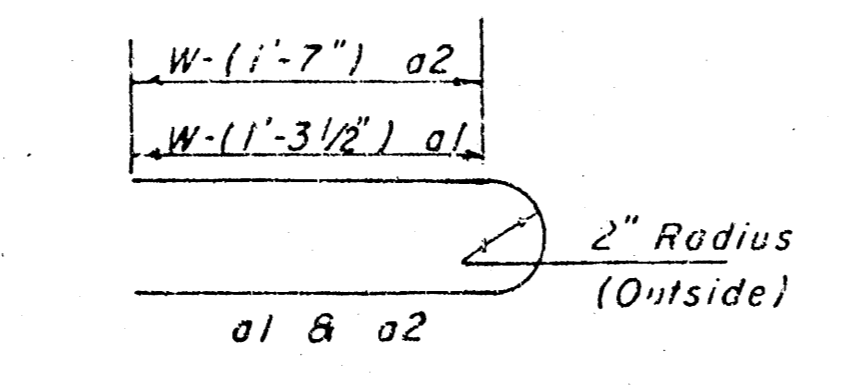
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8\"/>

ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CORRECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAID 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.

THE ENDS OF ALL PIPES INSTALLED IN INLET SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



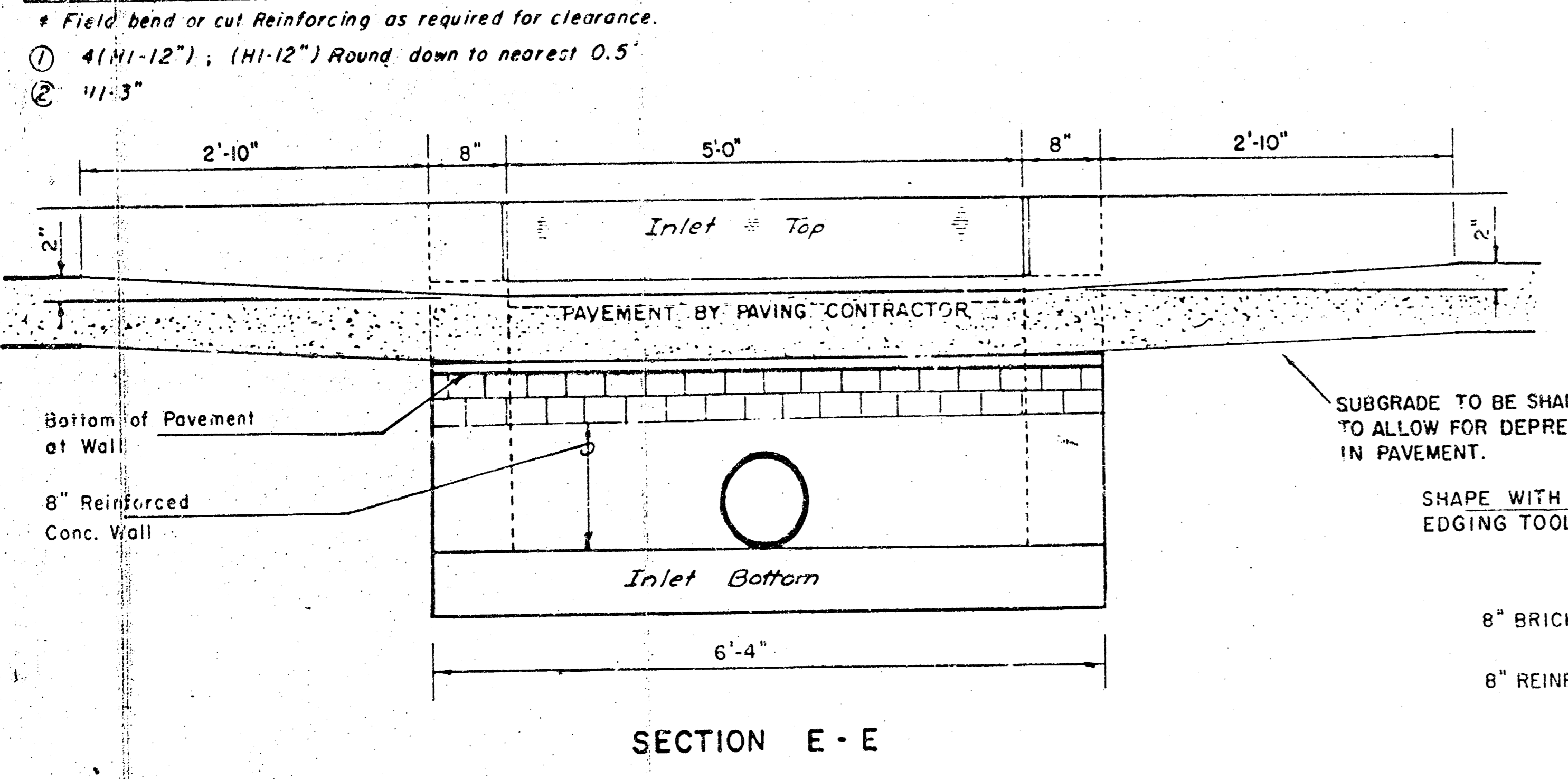
BENDING DIAGRAM

PRECAST SLAB AND FLOOR REINFORCING									
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"

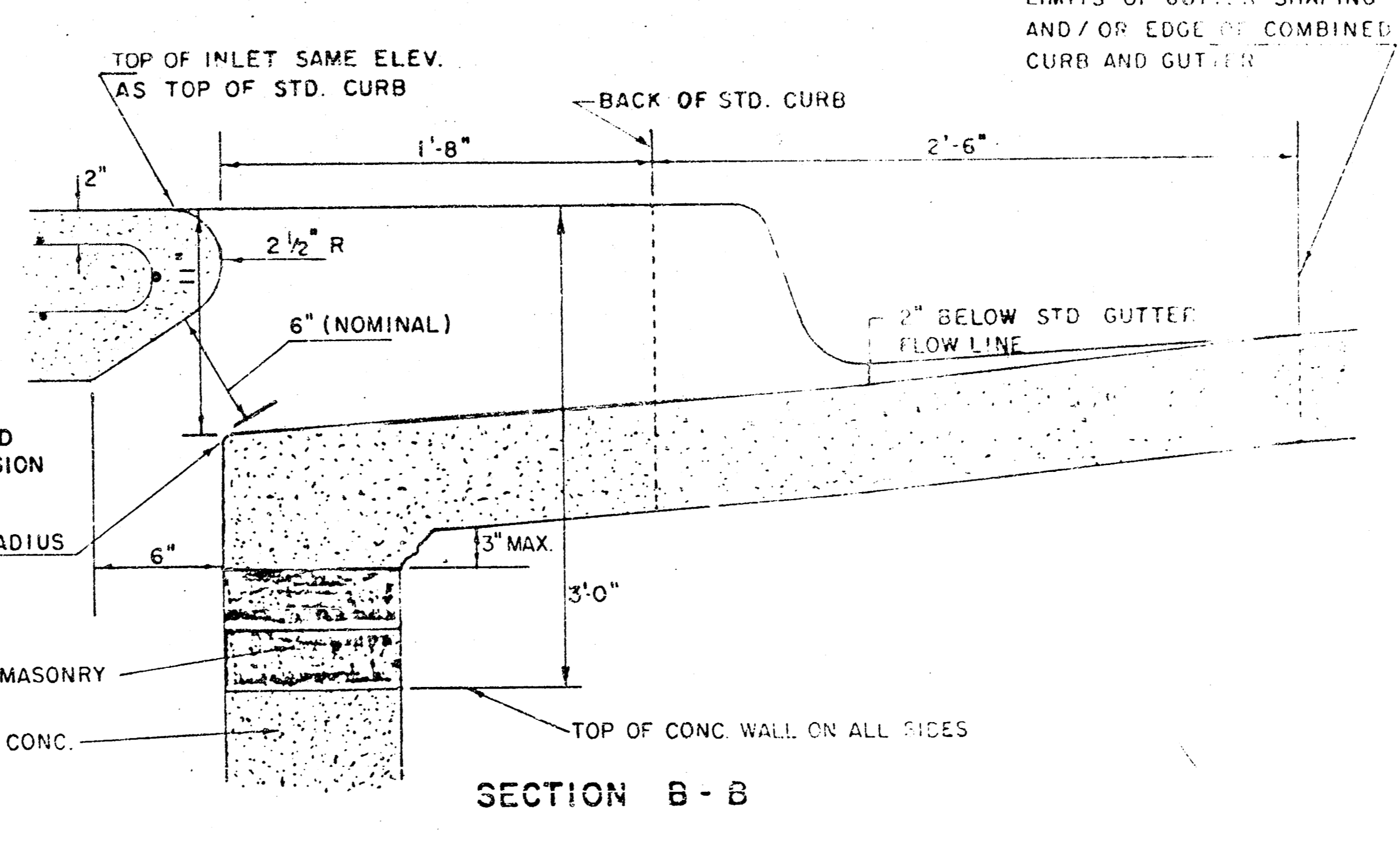
WALL REINFORCING									
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"
w3	#4	32	2	36	2	40	2	44	2

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8" x 6'4" x 7 1/2"	24" B SMALLER	0.38 ±
5' 4"	4'8" x 6'4" x 7 1/2"	24" B 30"	0.51 ±
6' 4"	5'8" x 6'4" x 7 1/2"	36" B 42"	0.64 ±
7' 4"	6'8" x 6'4" x 7 1/2"	48" B 54"	0.77 ±
8' 4"	7'8" x 6'4" x 7 1/2"	60" B 66"	0.90 ±

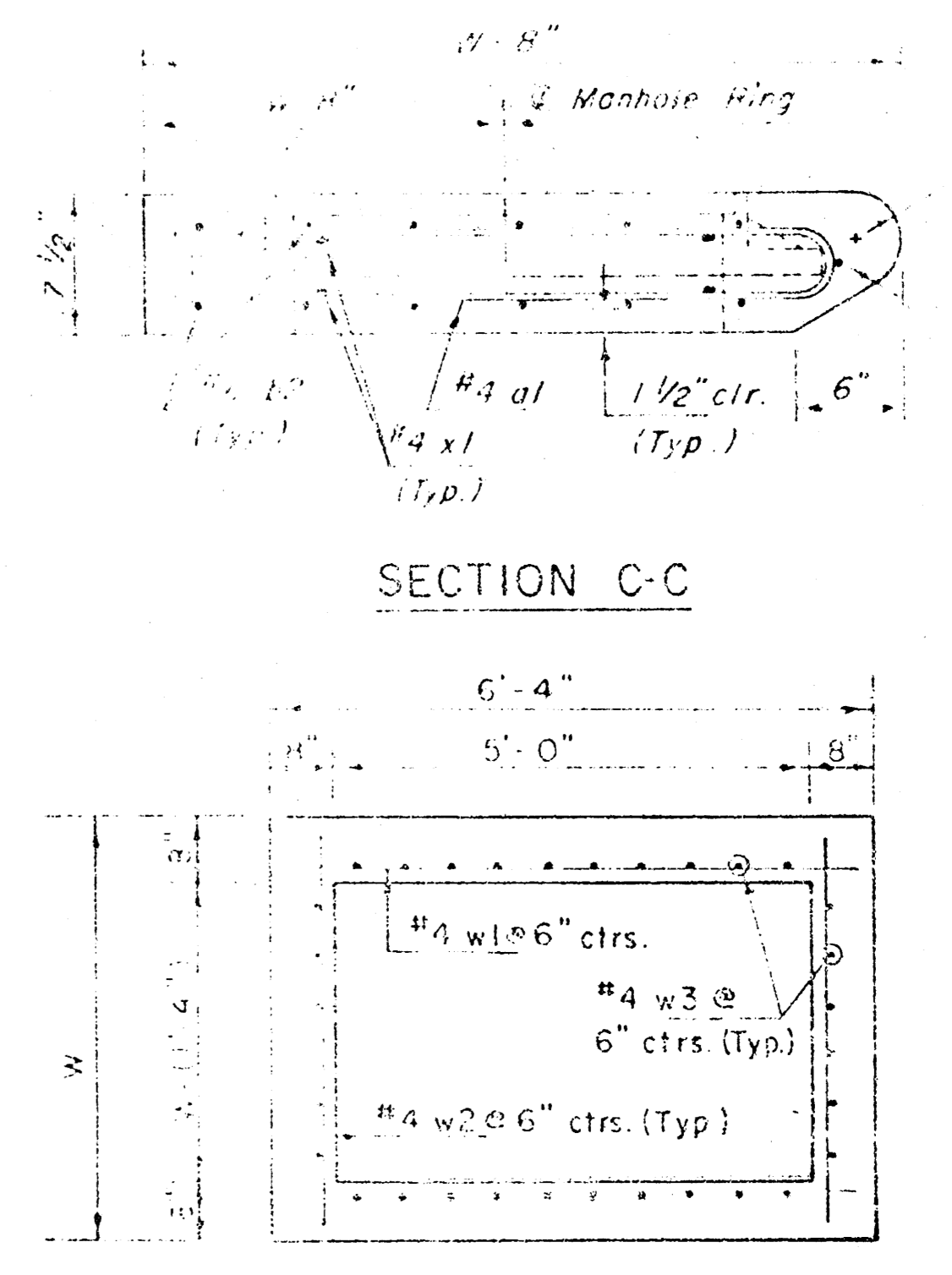
** NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.



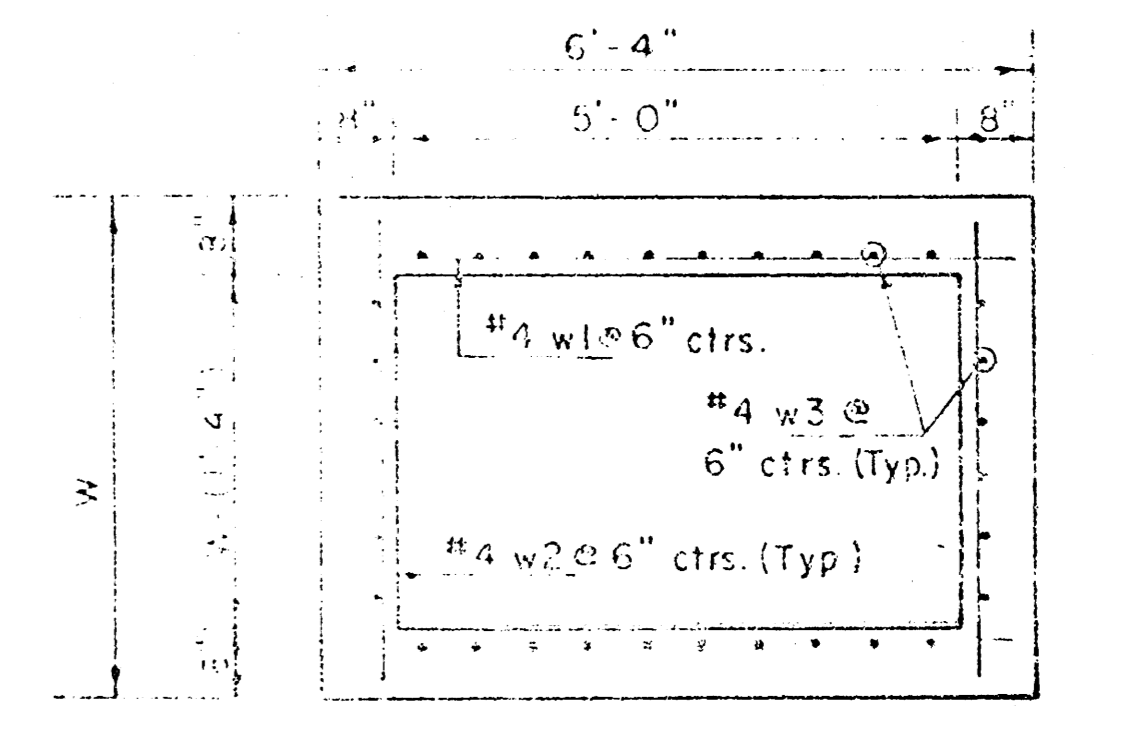
SECTION E-E



SECTION B-B



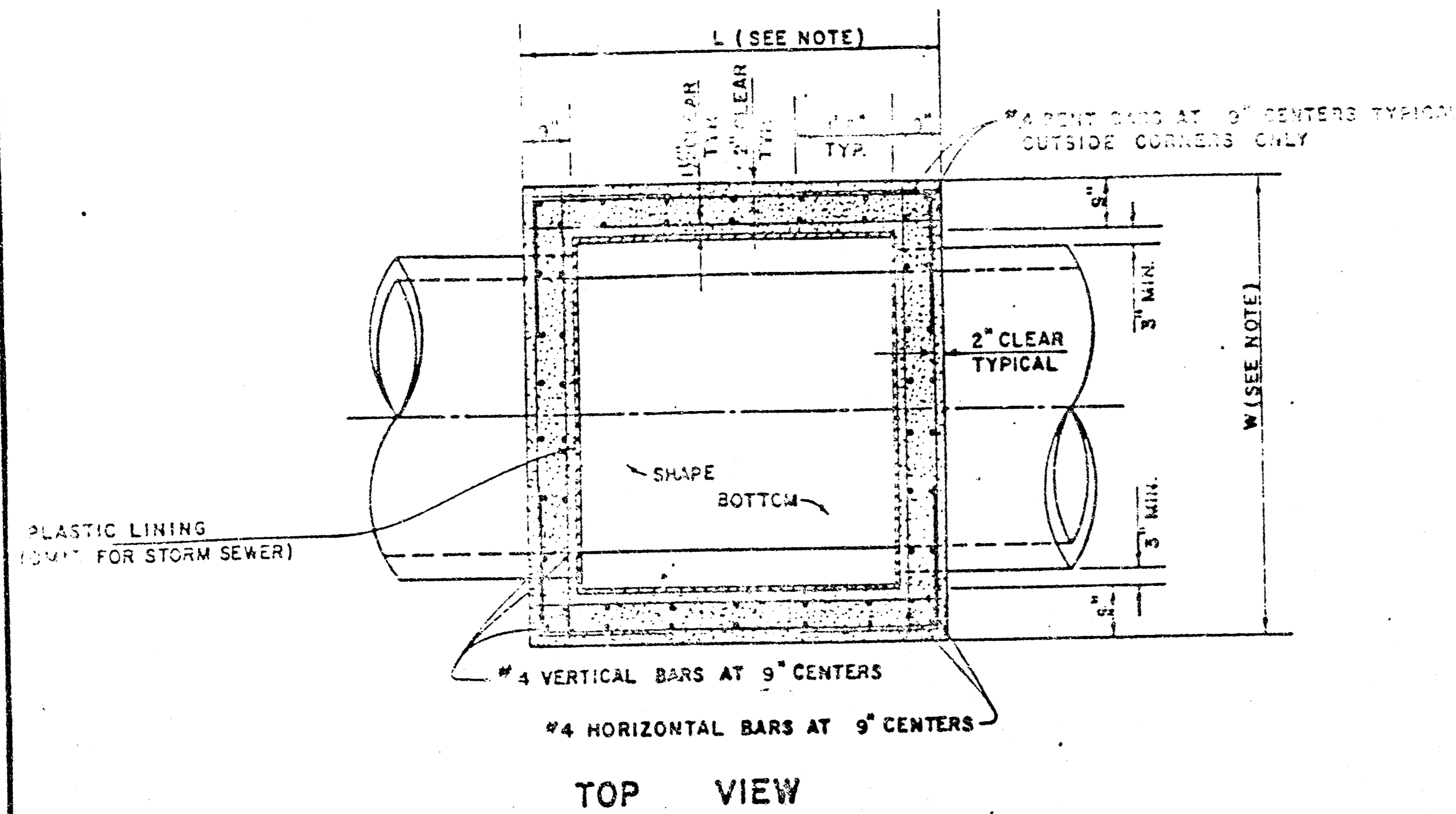
SECTION C-C



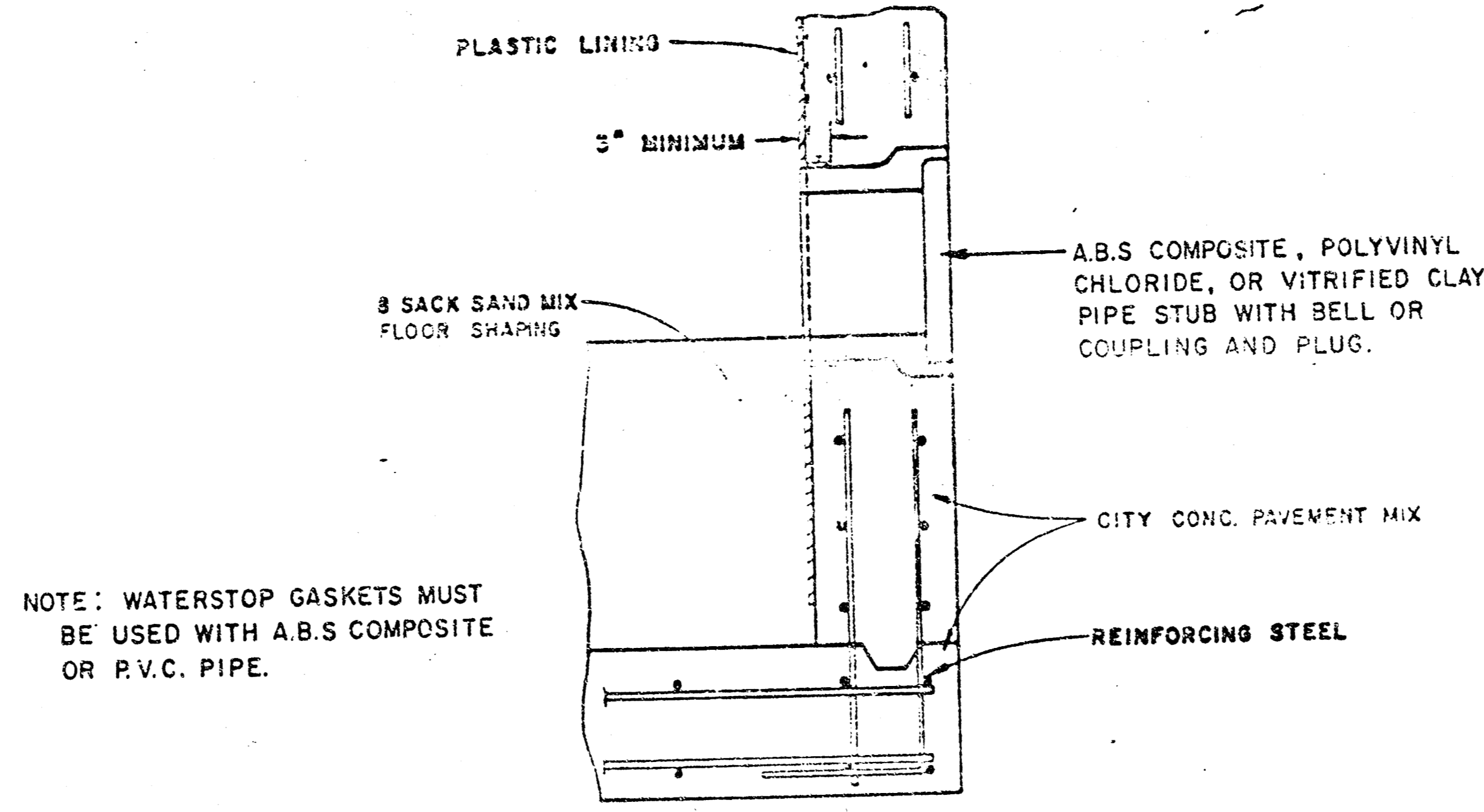
SECTION D-D

REVISED 12-21-1933
REVISED 12-21-1934
Revised 2-16-1939

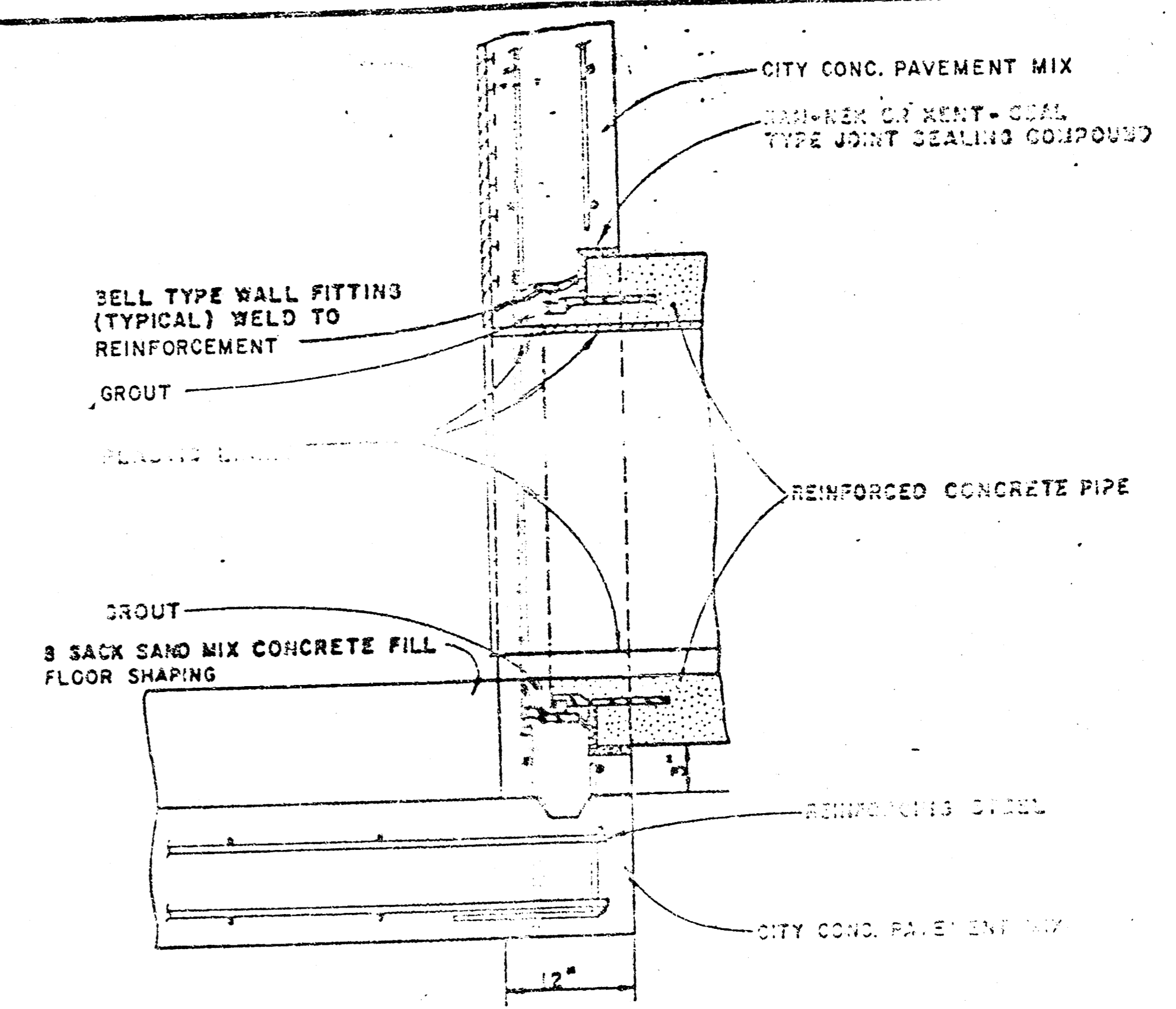
DETAIL STANDARD TYPE 1A CURB
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"
JUNE 1934



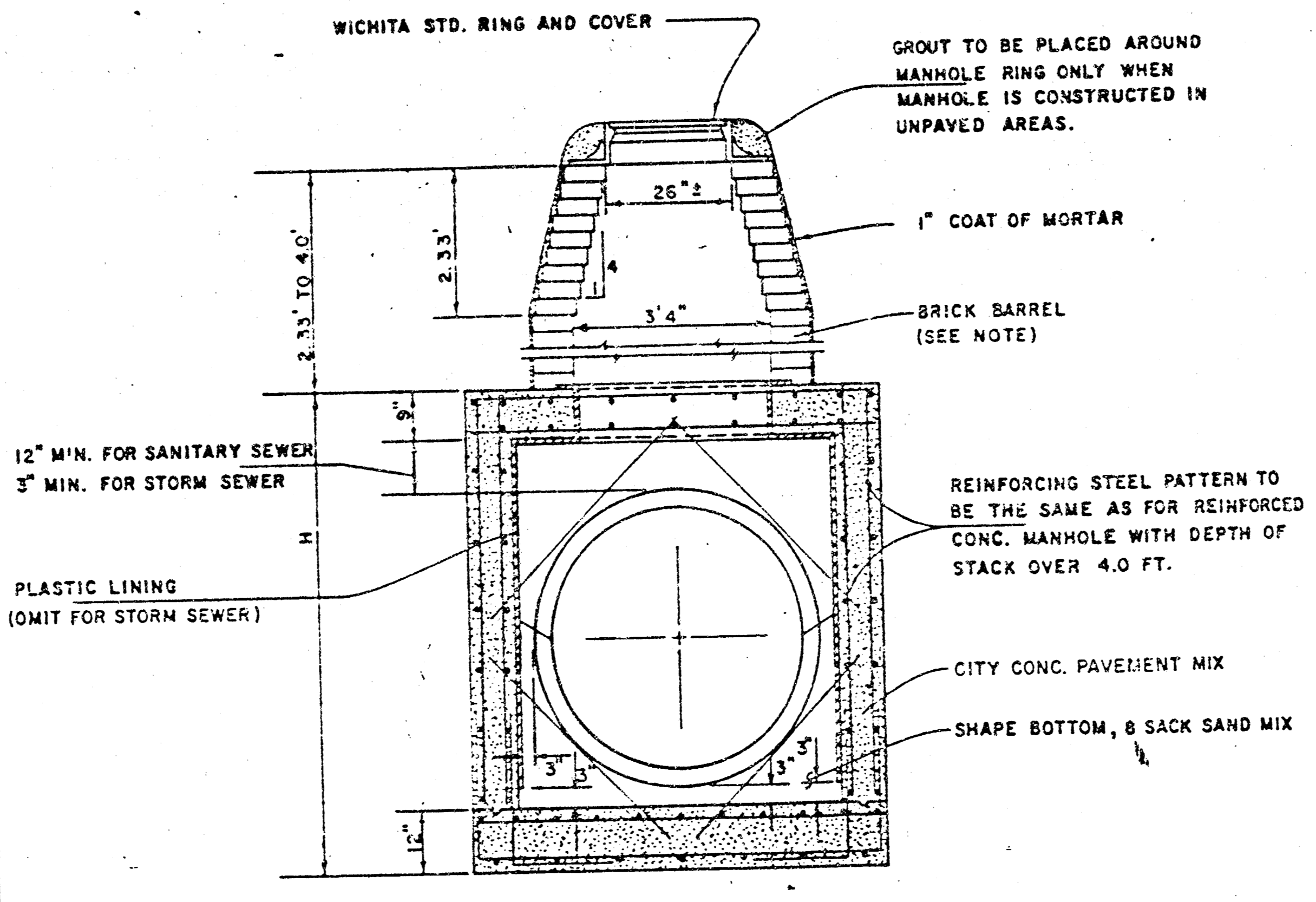
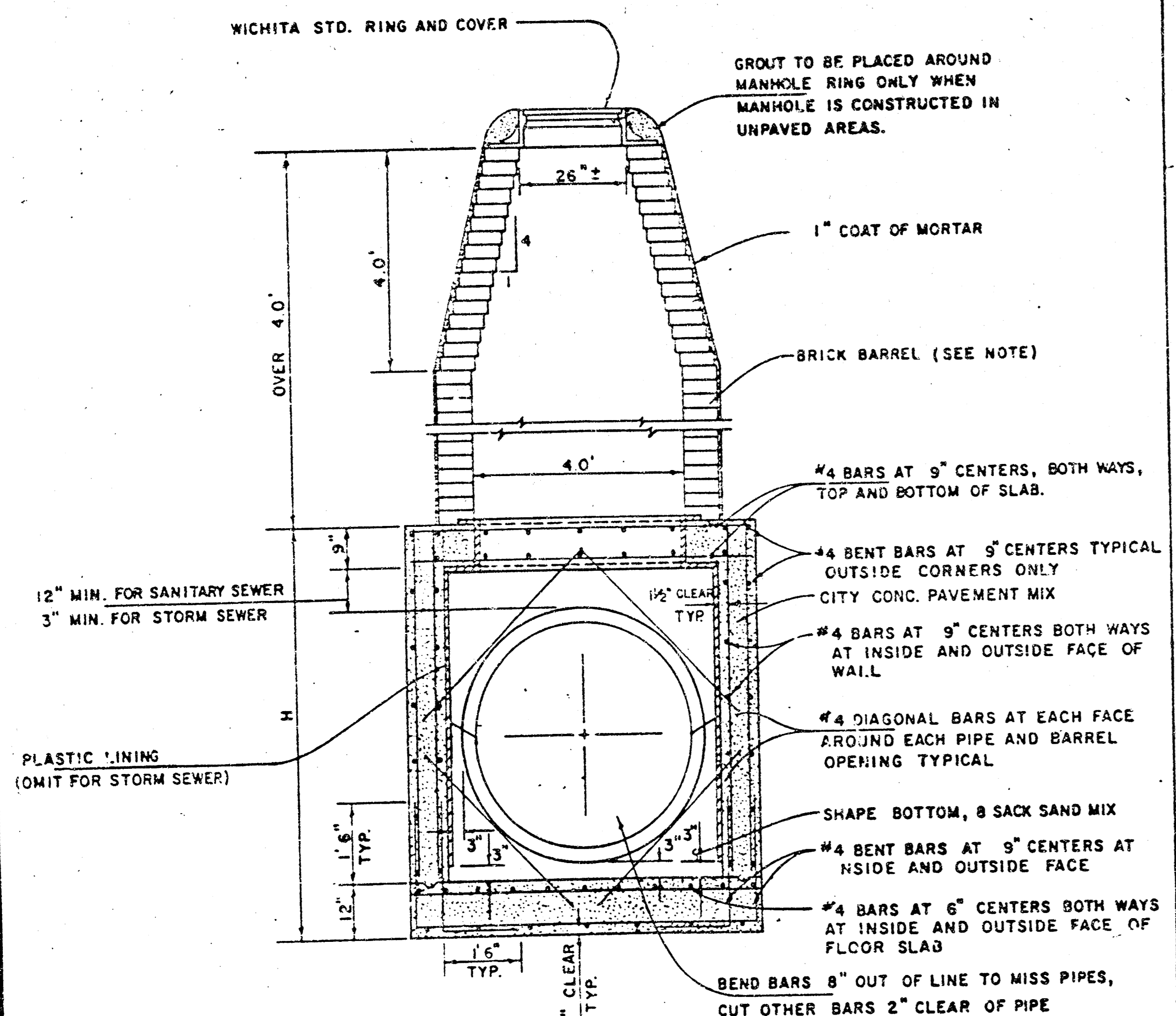
REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'



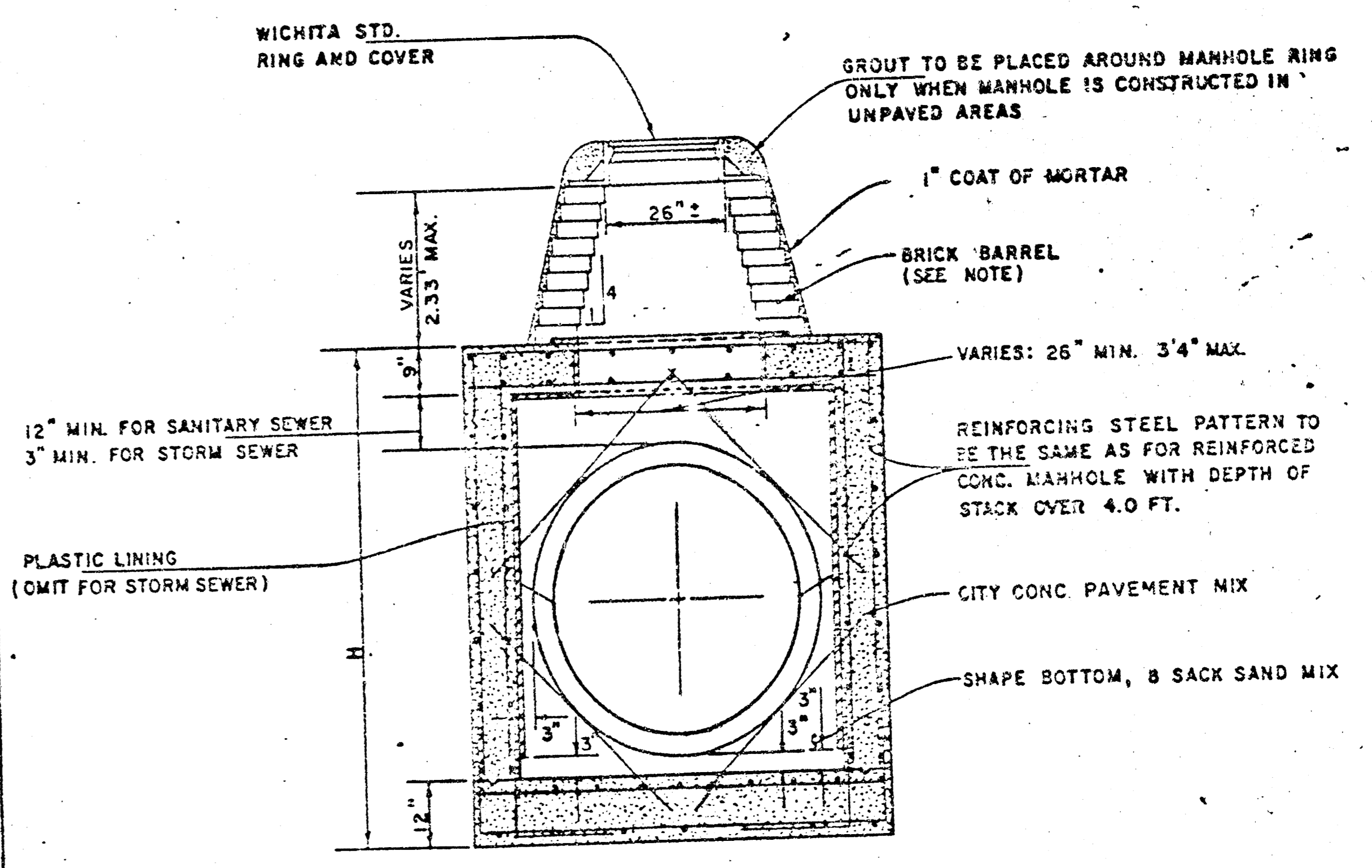
PIPE STUB DETAIL
SANITARY SEWER ONLY



R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'
SCALE 1" = 2'

NOTE:
 BRICK BARRELS LESS THEN 16' DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12". BRICK BARRELS MORE THEN 16' DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK BARRELS WITH 12" WALLS WHEN THE BRICK BARRELS ARE OVER 4 FT. IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATERTIGHT.

REVISED 1-7-85
STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
 CITY OF WICHITA
 FEBRUARY 1984