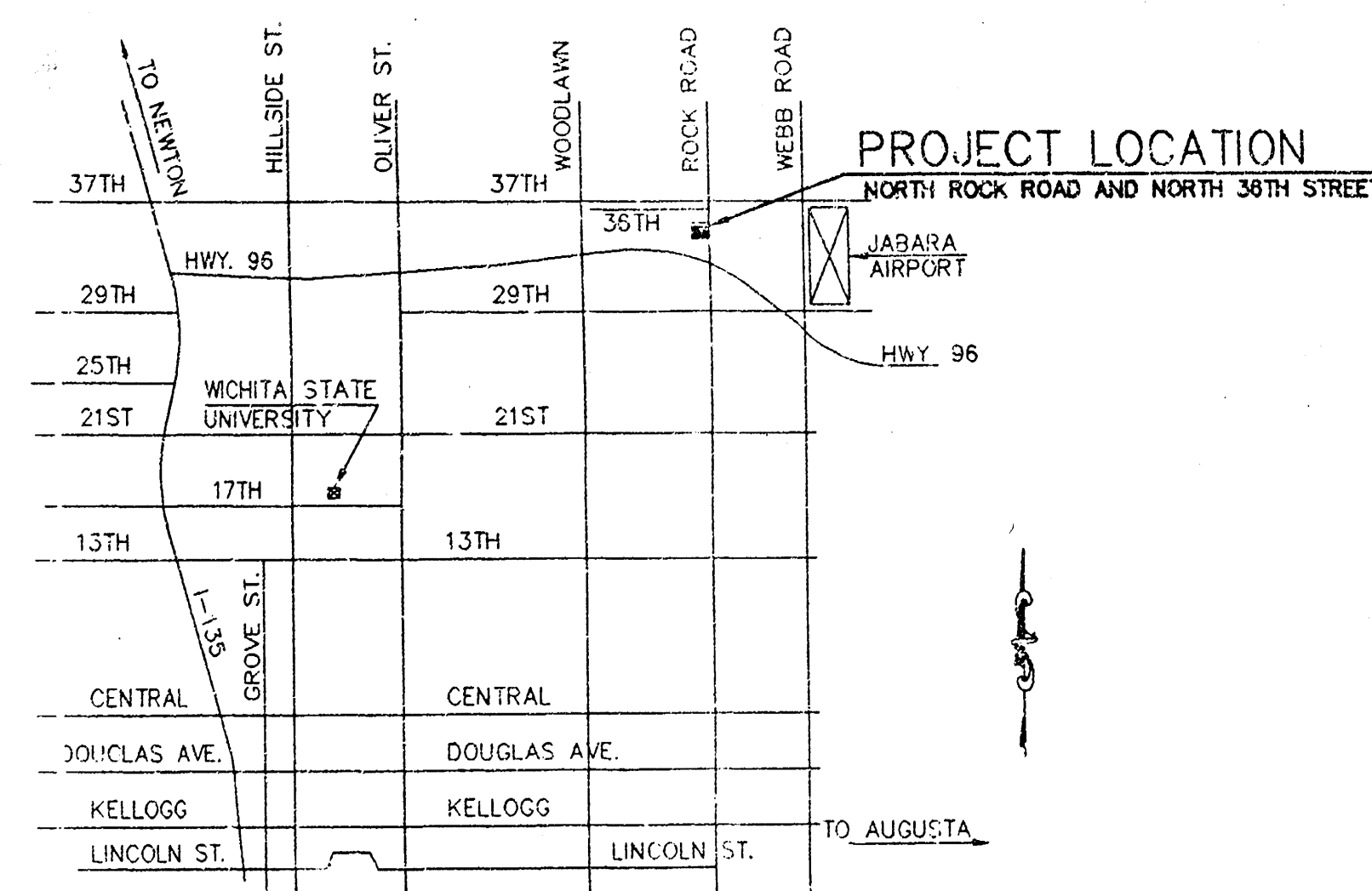


GENERAL NOTES

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 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 268-4071
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 AT 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.

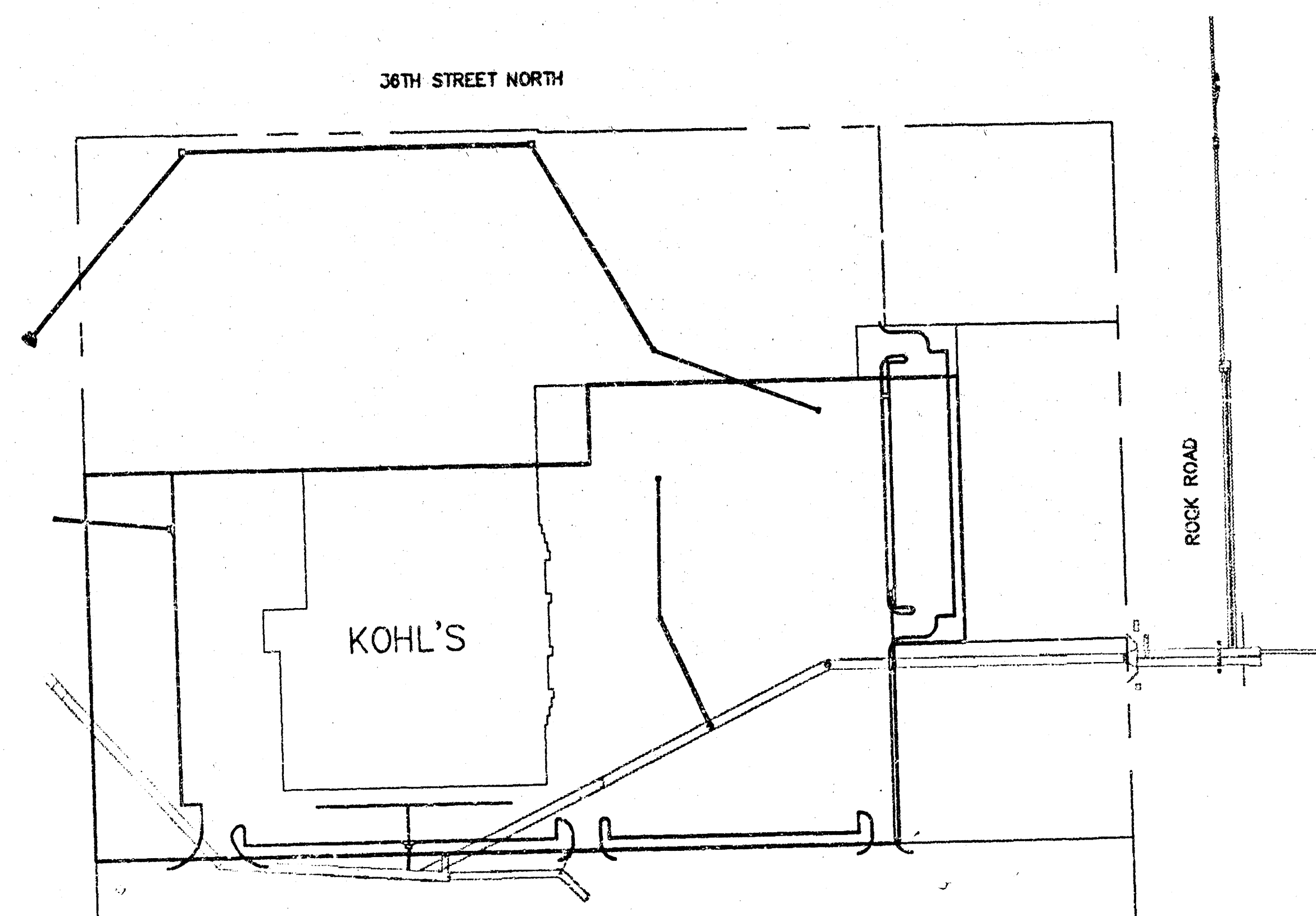


VICINITY MAP
NOT TO SCALE

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



STORM SEWER LINE LOCATION MAP
NO SCALE

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.

INDEX TO SHEETS:

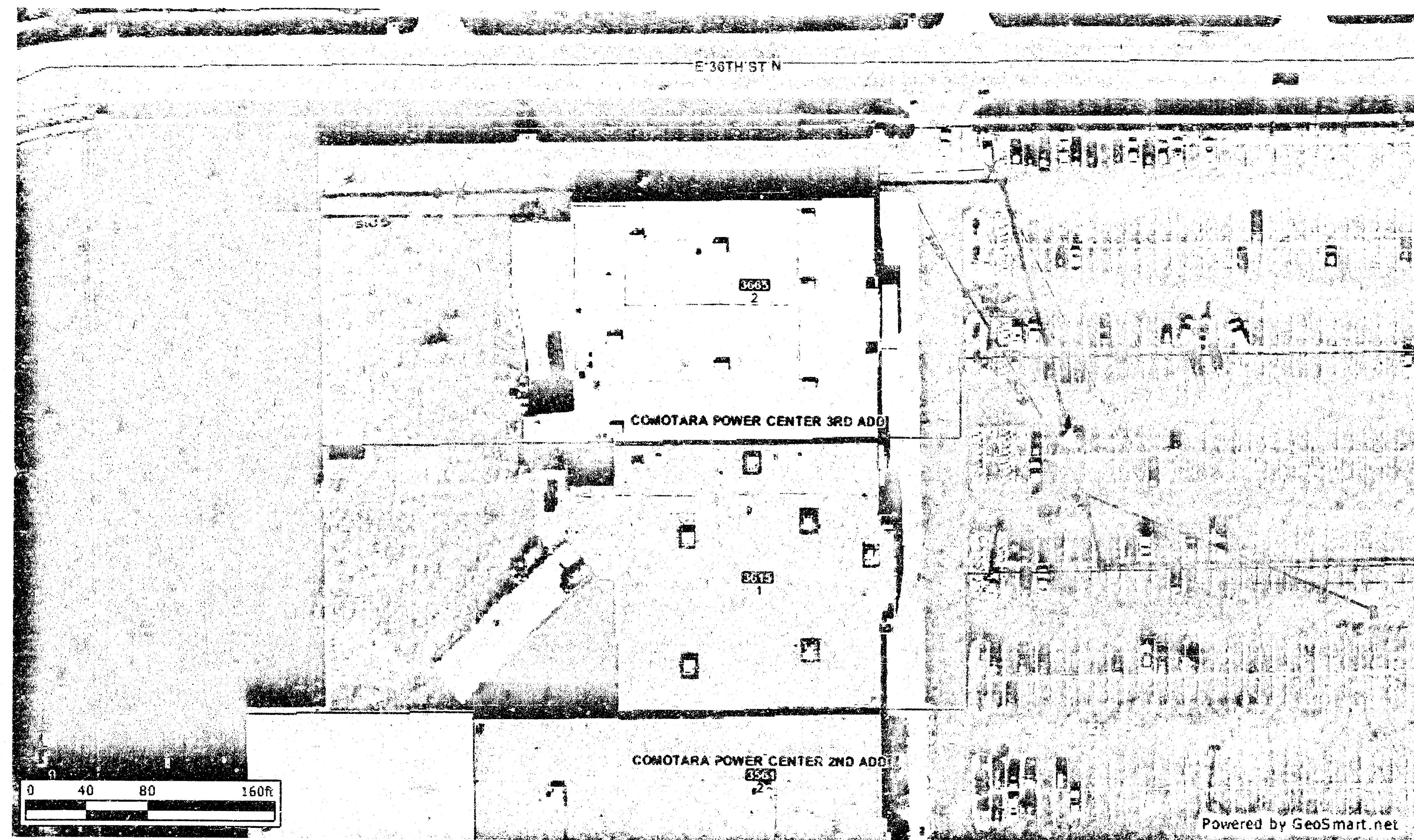
1. TITLE SHEET
2. STORM SEWER PLAN
3. STORM SEWER PROFILE
4. STORM SEWER PROFILE
5. GRATED DROP INLET DETAILS
6. STANDARD TYPE 1A CURB INLET DETAILS
7. MANHOLE DETAILS

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 5, BLOCK 1, COMOTARA POWER CENTER TO THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22

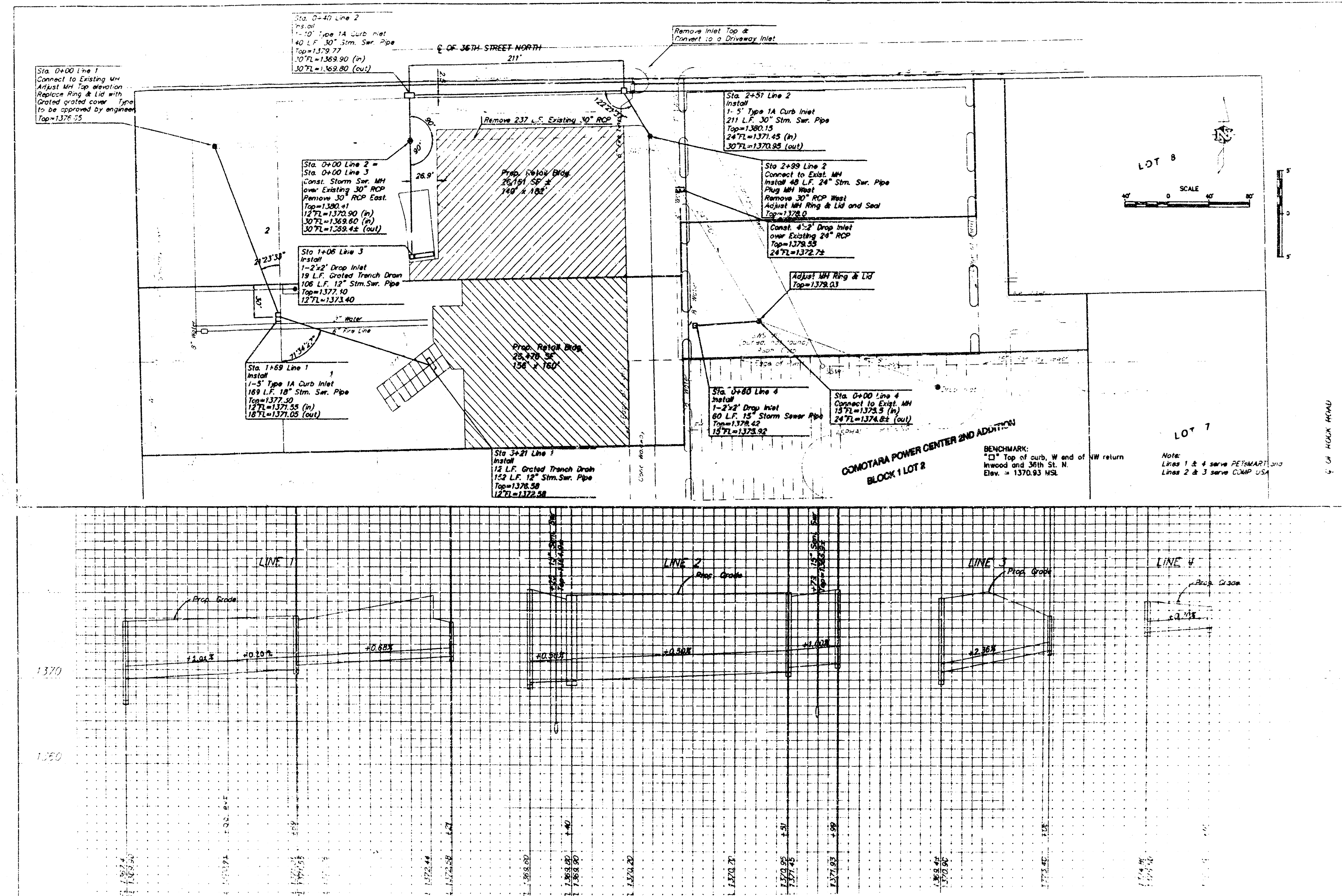
Samuel D. Malinowsky
SAMUEL D. MALINOWSKY 7-13-95
PROFESSIONAL ENGINEER

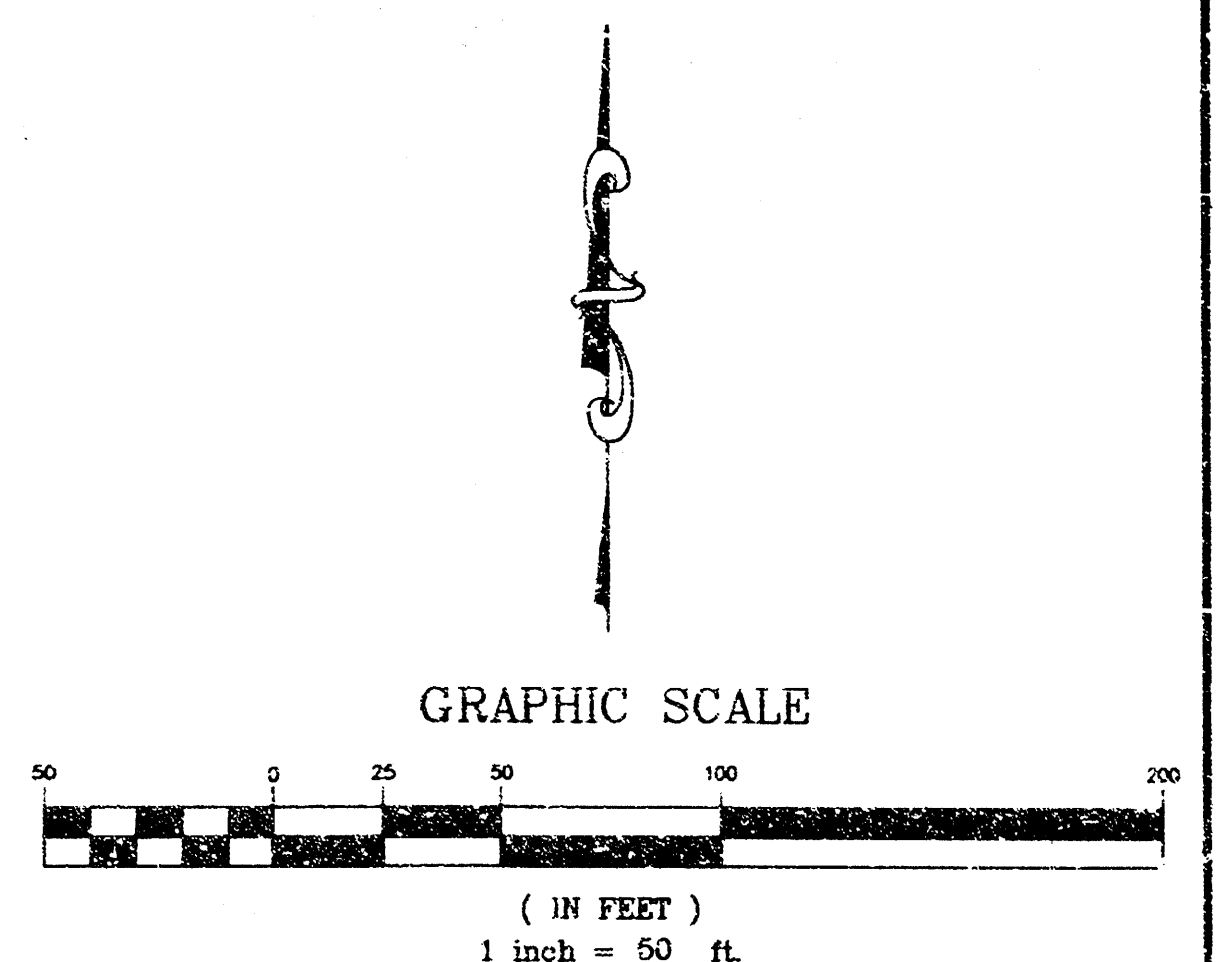
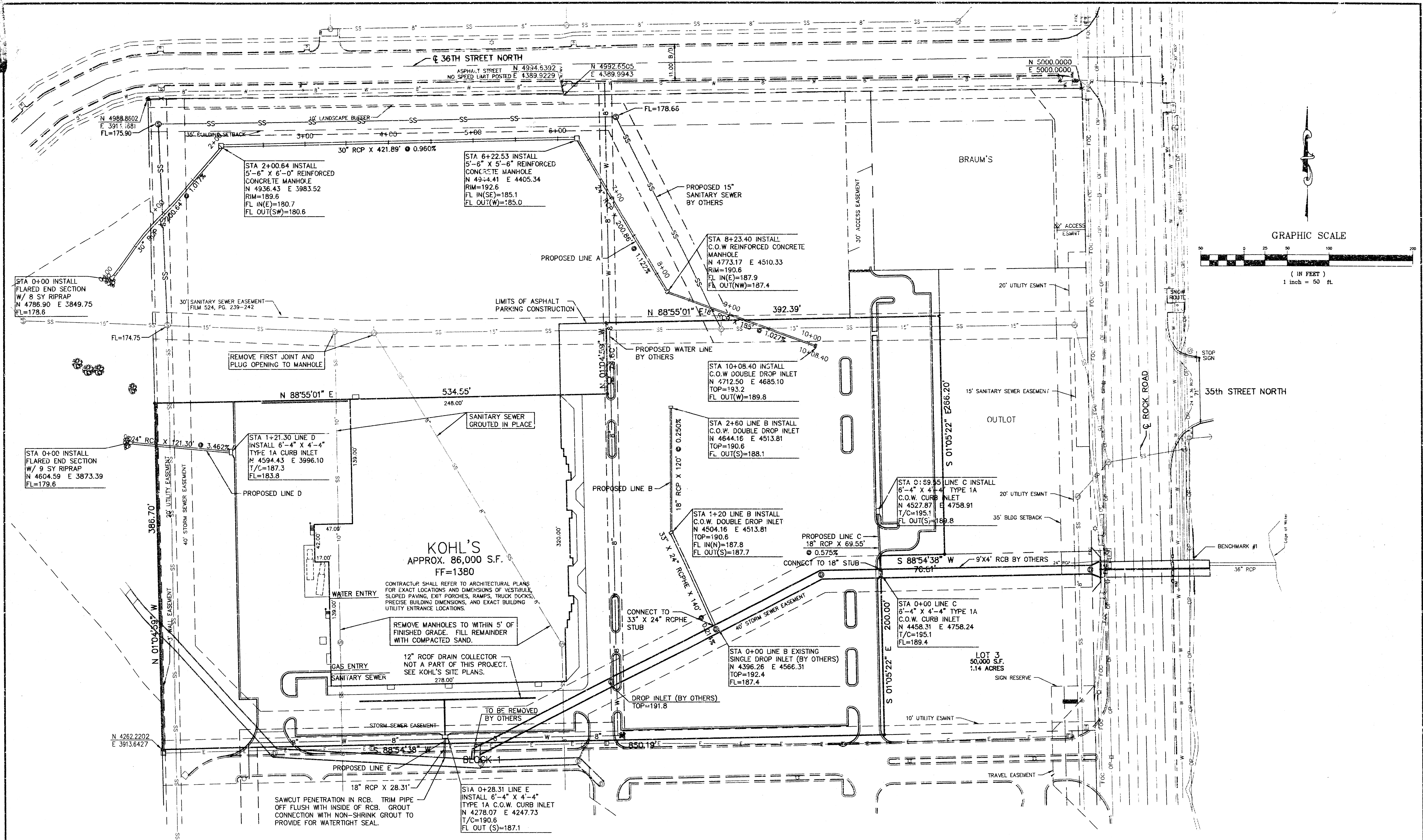
NO.	DATE	REVISION	BY
2	7/13/95	REVISED STORM SEWER LOCATION & ADDED STORM SEWER ABANDONMENT	JT
1	6/27/95	REVISED PER CITY OF WICHITA	JT
TITLE SHEET			
P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS 66441 (913)762-5040 FAX 913-762-7744			
KAW VALLEY ENGINEERING, INC. 122 N.W. 10th WAY RIVERSIDE, MISSOURI 64000 (816)587-5033 9671 ALDEN ROAD LENEXA, KANSAS 66215 (913)894-5100			
PROJECT NO. 95-1681 DATE JUNE 8, 1995 DESIGNER SDN DRAWN BY JT CHECKED BY CITY 1683TLL SHEET 1 OF 7			



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

Booked
Booked
2-434





NOTE: PIPE DISTANCES ARE CENTER TO CENTER OF STRUCTURE.

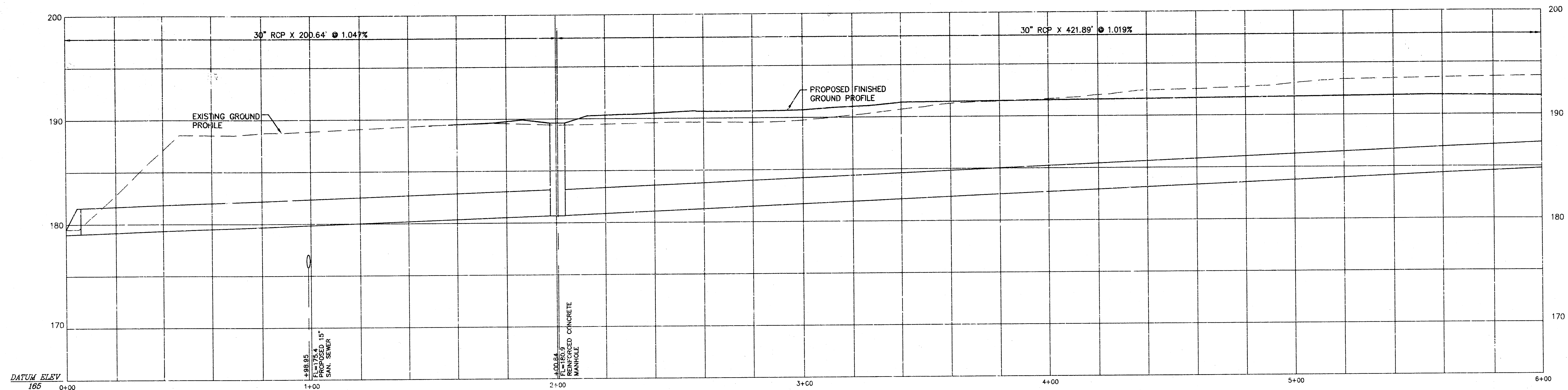
COORDINATES ARE TO CENTER OF DROP INLETS, TO CENTER OF FRONT OF FACE OF CURB INLETS AND TO CENTER OF END OF END SECTIONS.

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

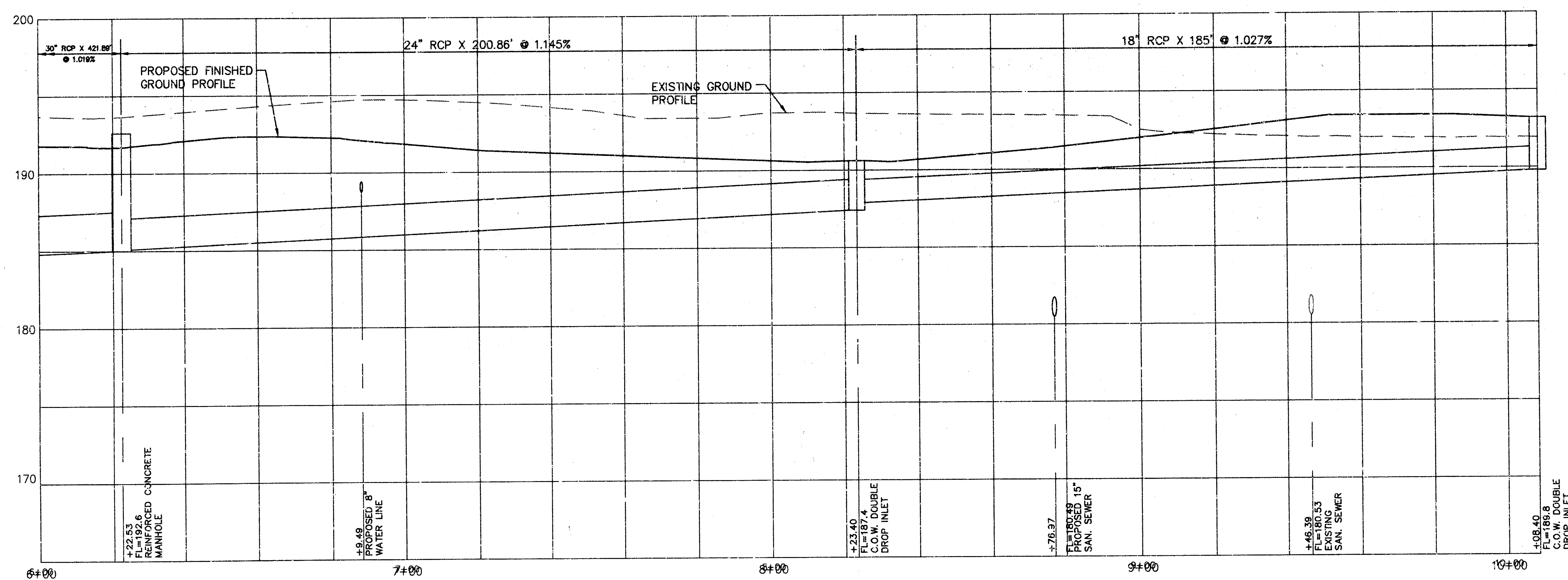
BENCHMARK #2: CHISELED "CI" TOP CURB INLET NEAR CORNER OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1381.45

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			
KAW VALLEY ENGINEERING, INC.			
P.O. BOX 1304 2318 NORTH JACKSON JUNCTION CITY, KANSAS (913) 762-5040 (913) 762-5040 FAX 913-762-7744			
122 N.W. PARKWAY RIVERSIDE, MISSOURI 64150 (816) 587-5033 9271 ALDEN ROAD LENEXA, KANSAS 66150 (813) 884-5150			
PROJ. NO. 95-1683 DATE: JUNE 8, 1995 DESIGNER: SDW DRAWN BY: JT CHECKED BY: CBN SHEET 2 OF 7			



PROPOSED LINE A



PROPOSED LINE A

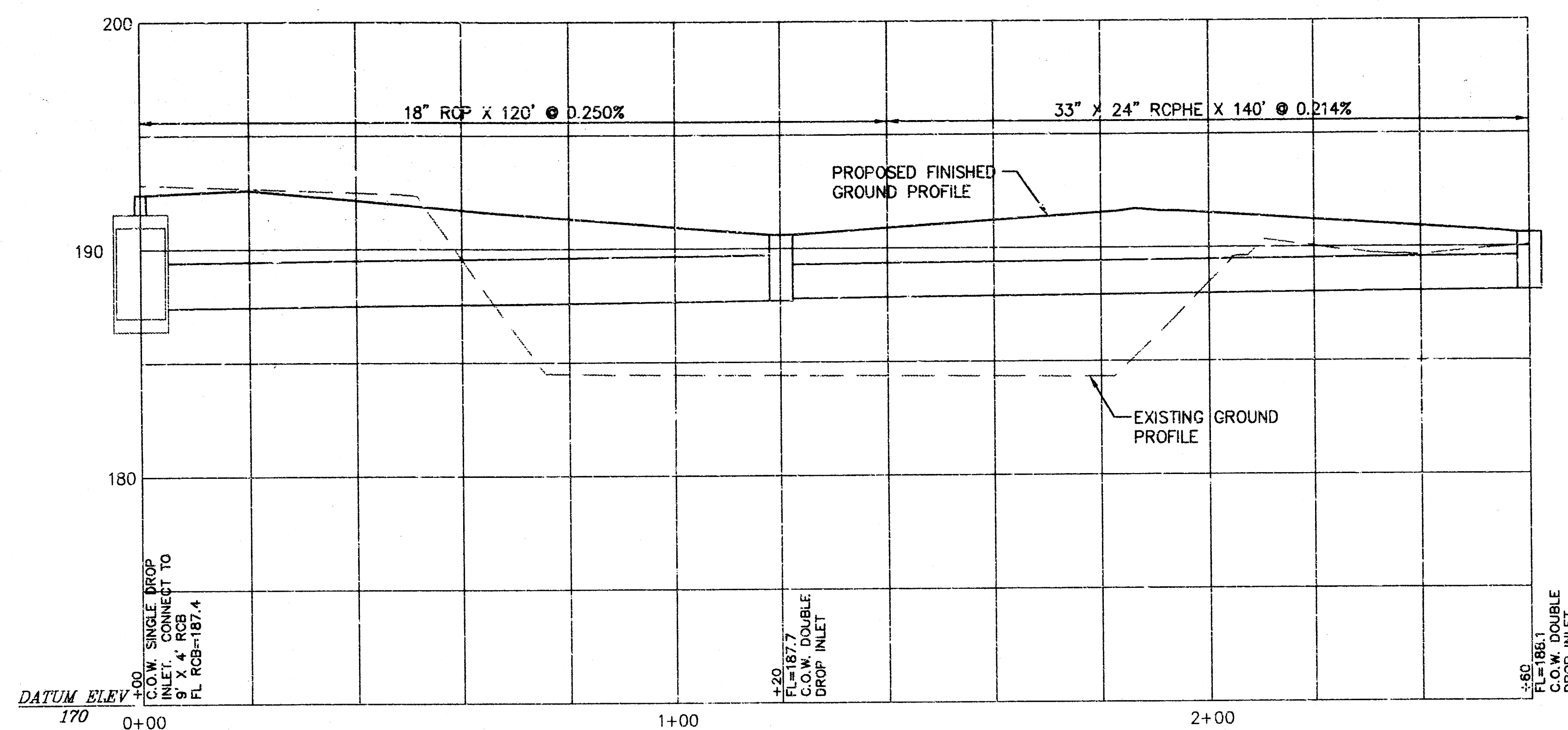
SCALE: 1"=20' HORIZ.
1"=5' VERT.

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

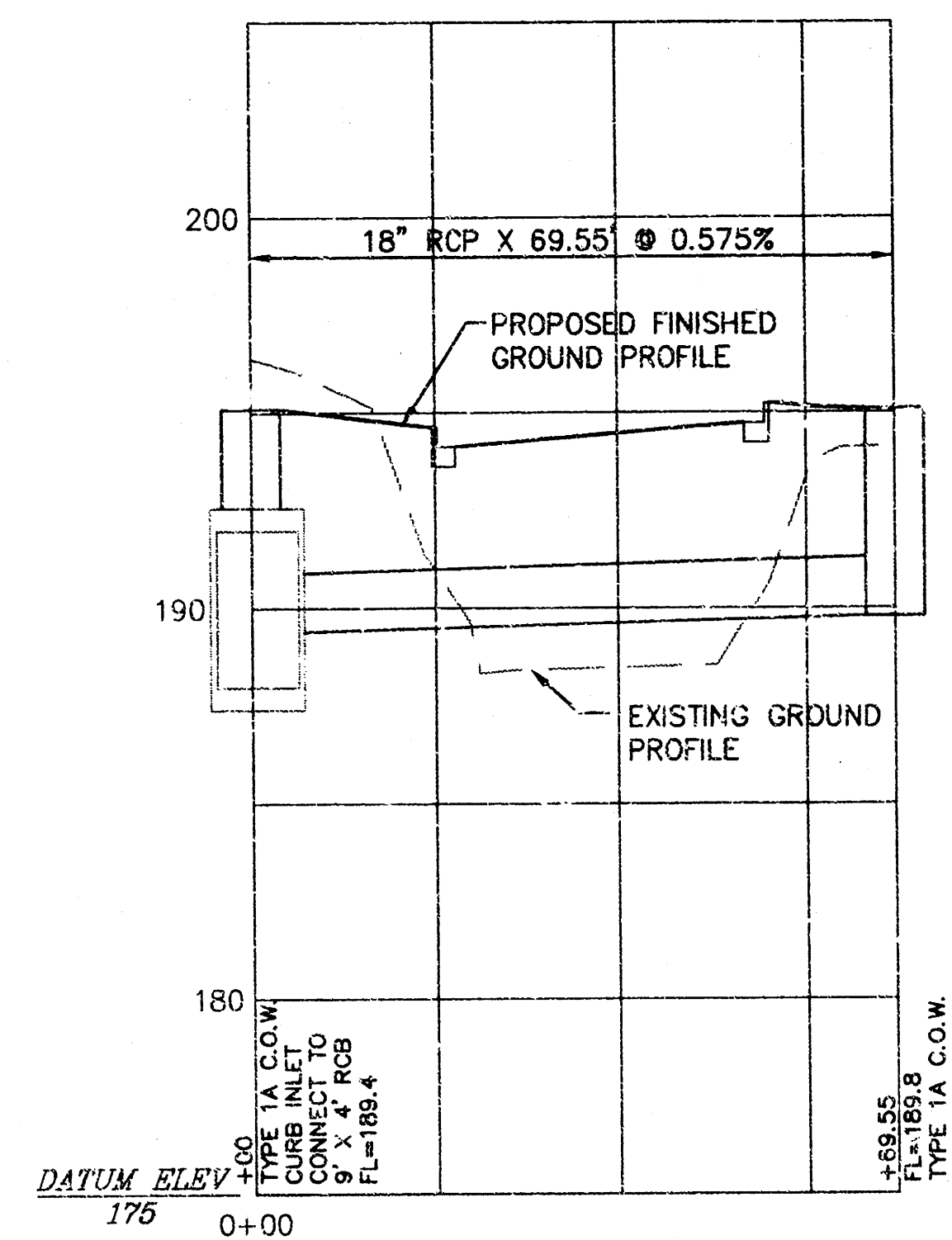
BENCHMARK #2: CHISELED "X" TOP CURB INLET NEAR CORNER
OF STAR LUMBER BUILDING.
CITY ELEV. = 194.05
USGS ELEV. = 1781.45

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 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 64152 (816)947-5533 9571 ALDEN ROAD LENEXA, KANSAS 66153 (913)894-0150	
PROJ. NO. 95-1683 DATE JUNE 8, 1995 DESIGNER SDM DRAWN BY JT CHECKED BY CITY 1683STS2 SHEET 4 OF 7			

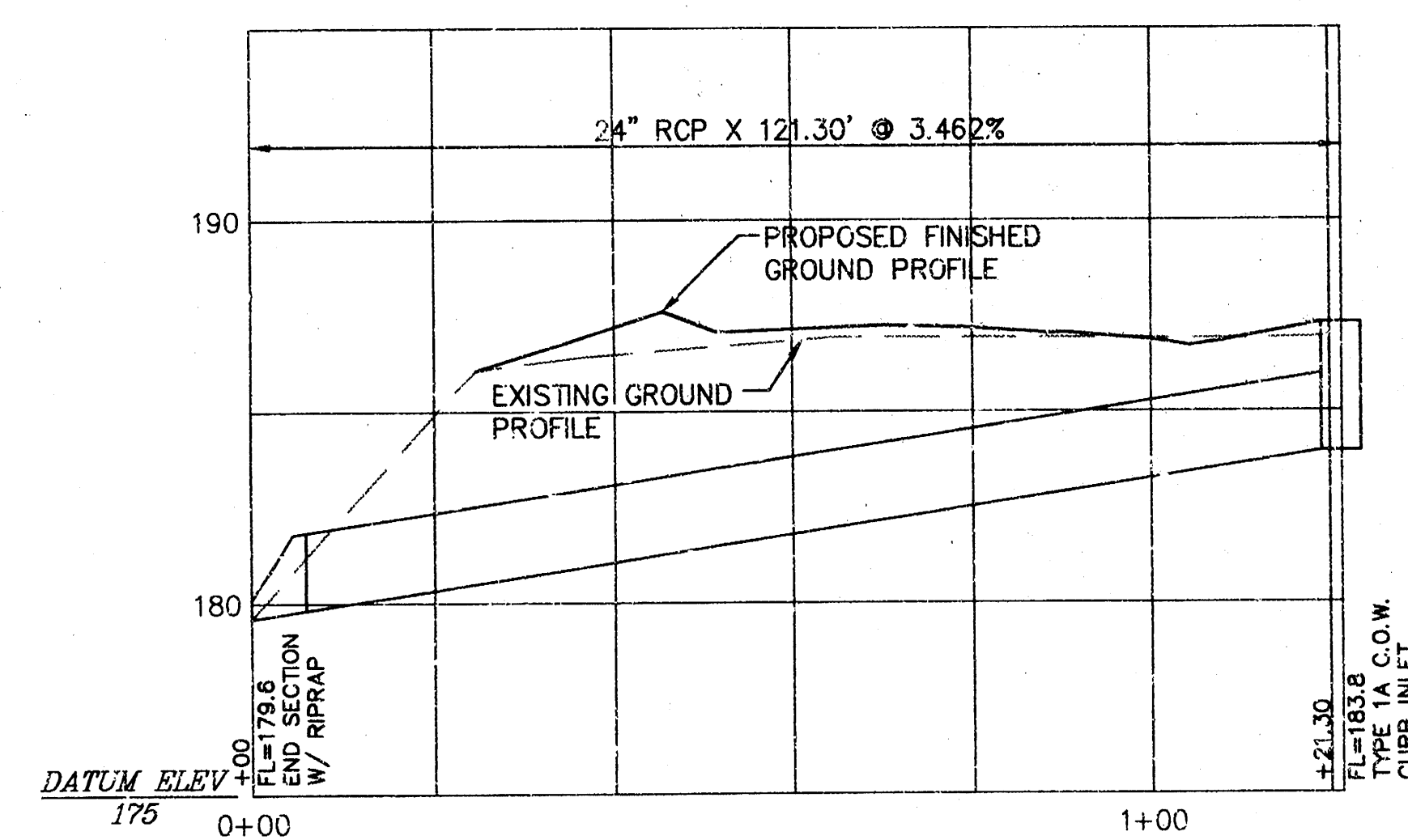


PROPOSED LINE B

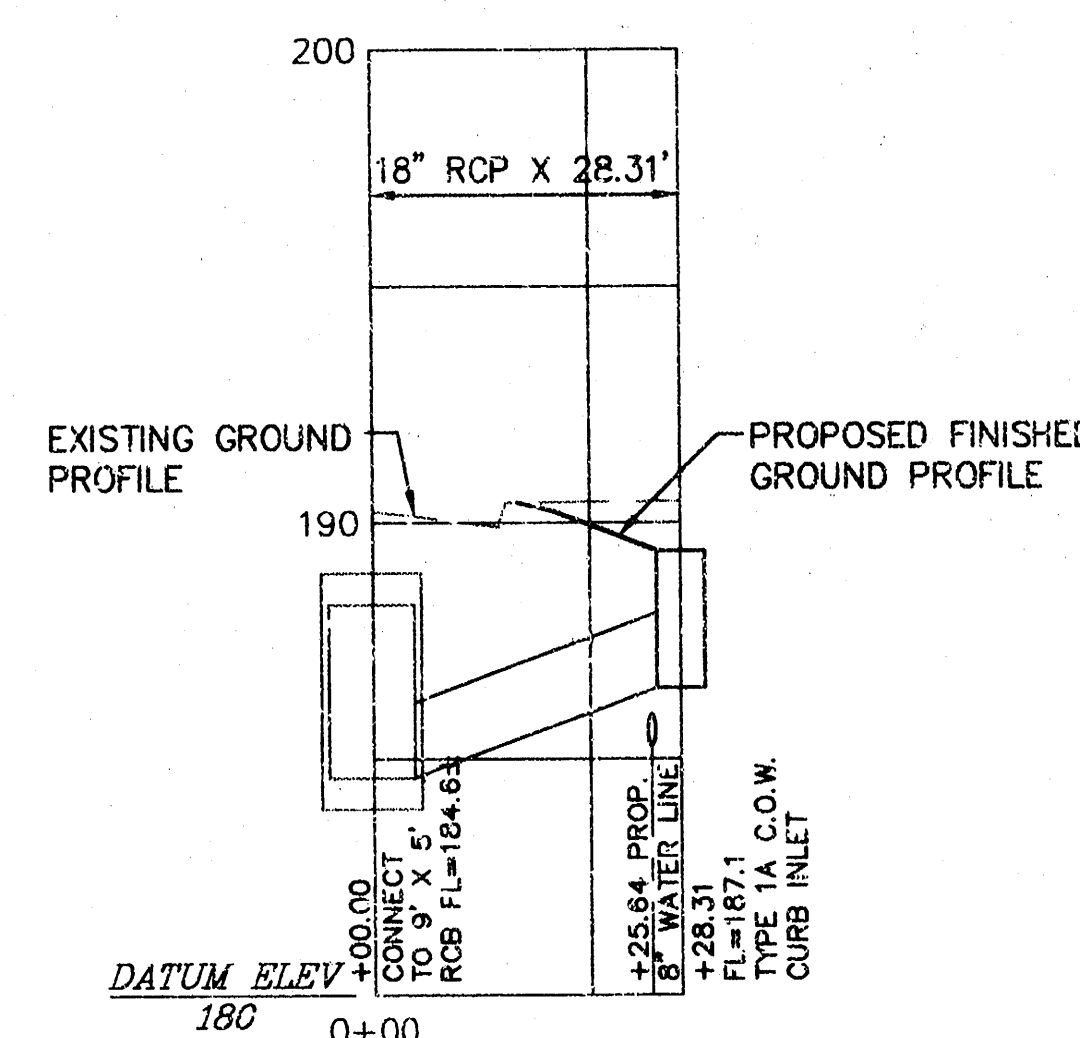


PROPOSED LINE C

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

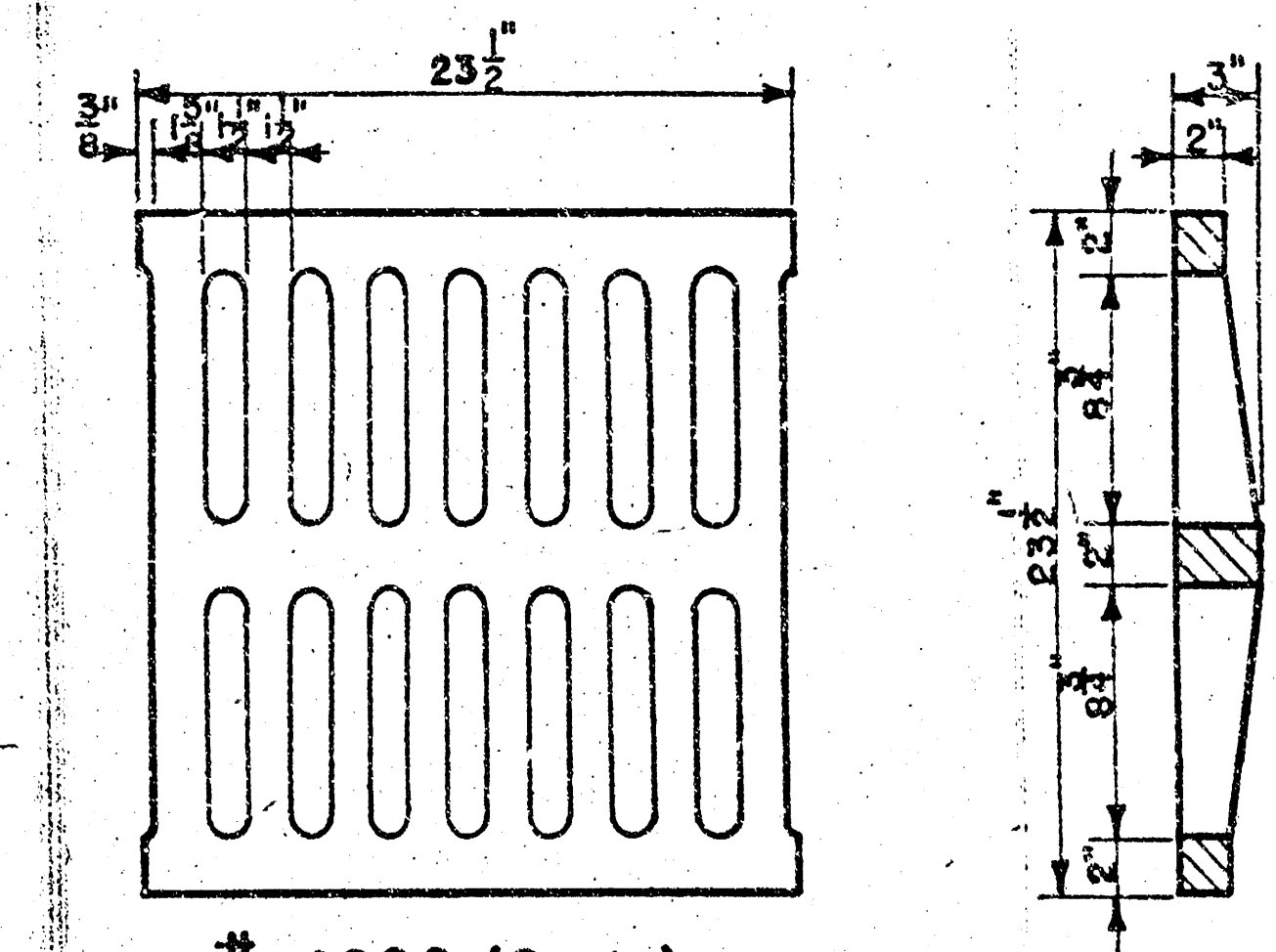
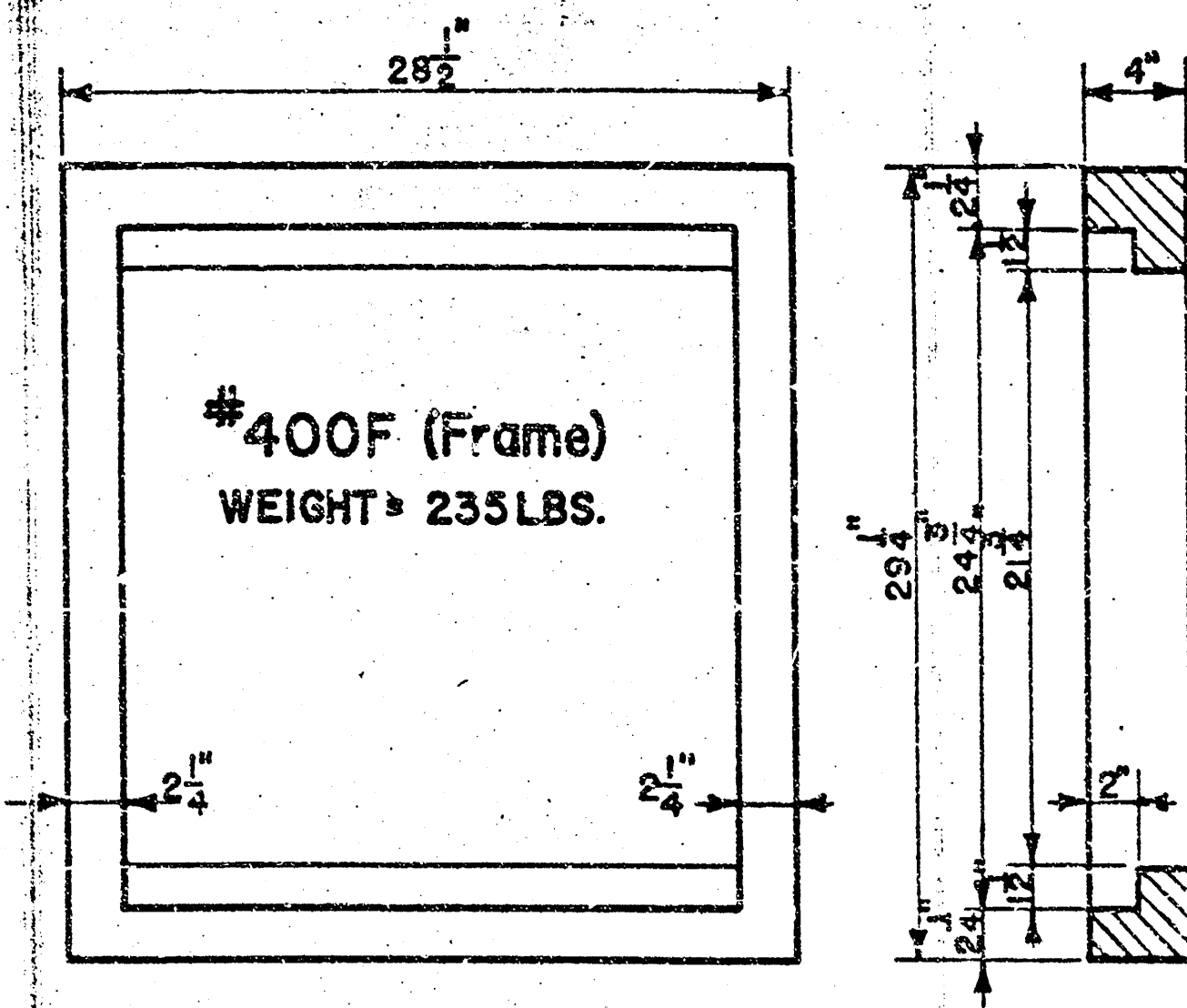
BENCHMARK #3: CHISELED "X" IN CONCRETE AT THE SOUTHEAST
CORNER OF LOT 3, BLOCK 1, COMOTARA POWER CENTER TO
THE CITY OF WICHITA, KANSAS.
CITY ELEV. = 197.82
USGS ELEV. = 1385.22

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
NO.	DATE	REVISION	BY

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 67201 (913)867-5030 9571 ALLEN ROAD LENEXA, KANSAS 66215 (913)894-5150

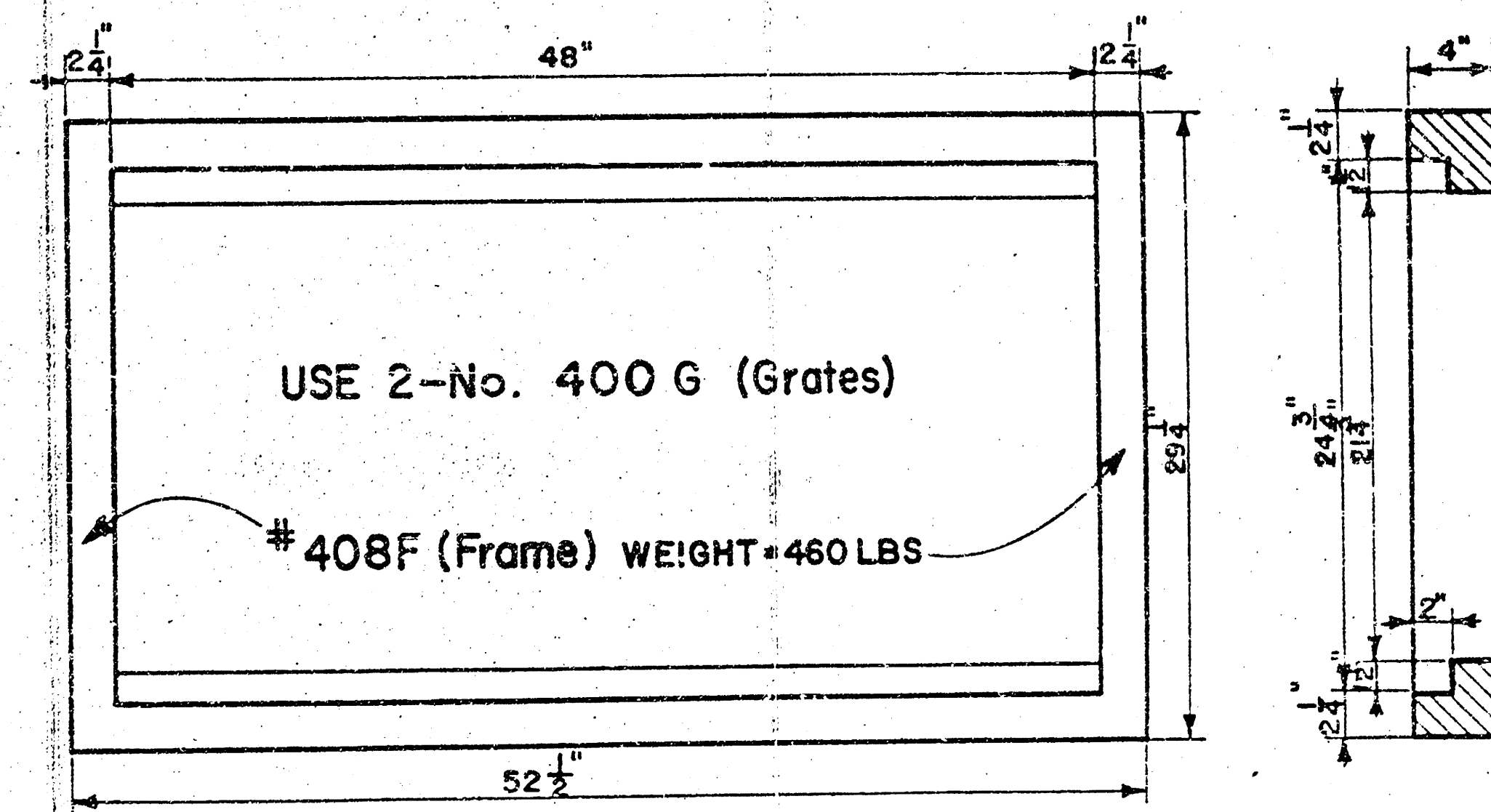
PROJ. NO. 95-1663	DATE JUNE 26, 1995
DESIGNER	SDM
DRAWN BY	JT
CHECKED BY	JT
CITY	1683TS2
SHEET 4 OF 7	

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.

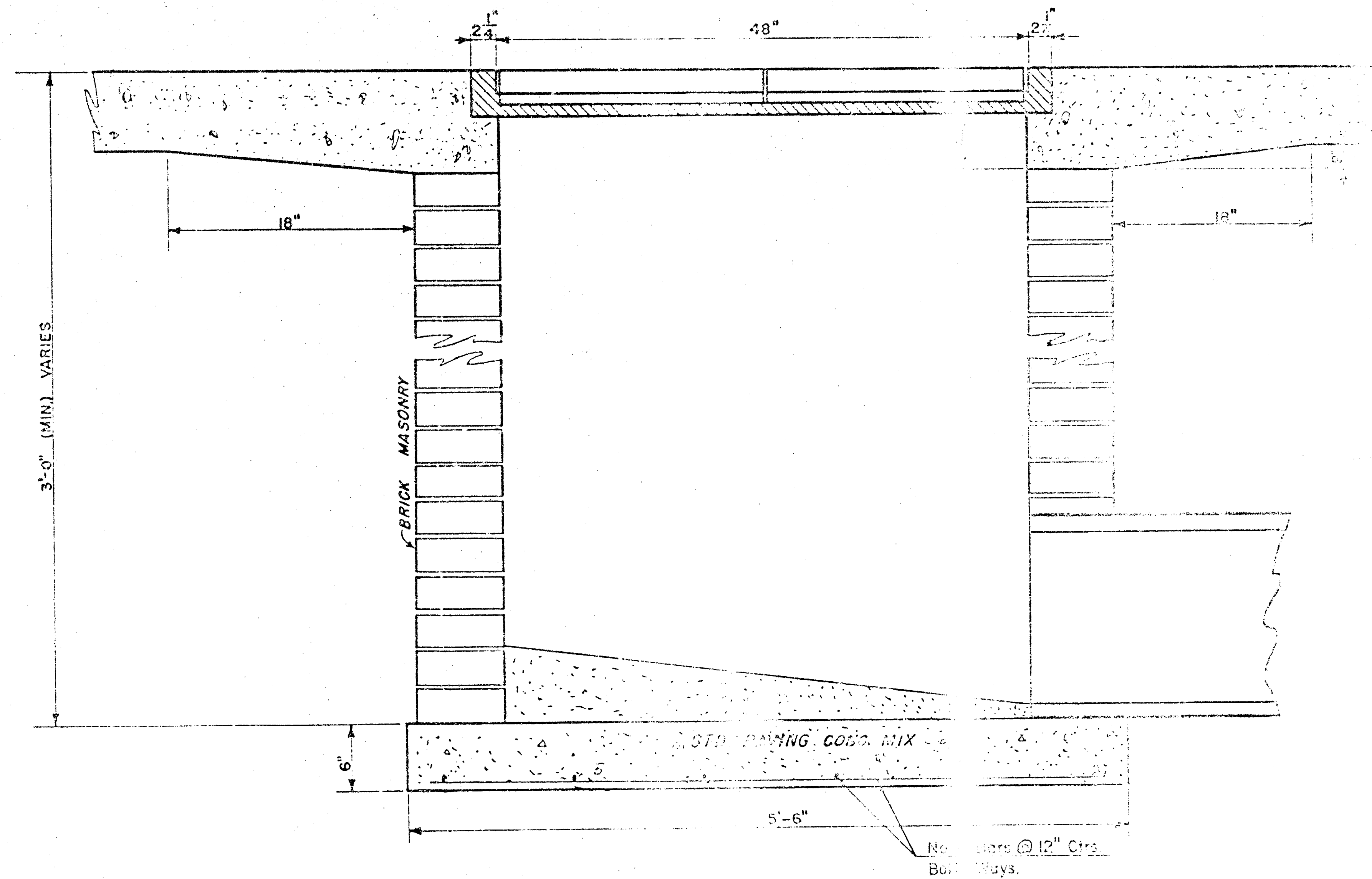
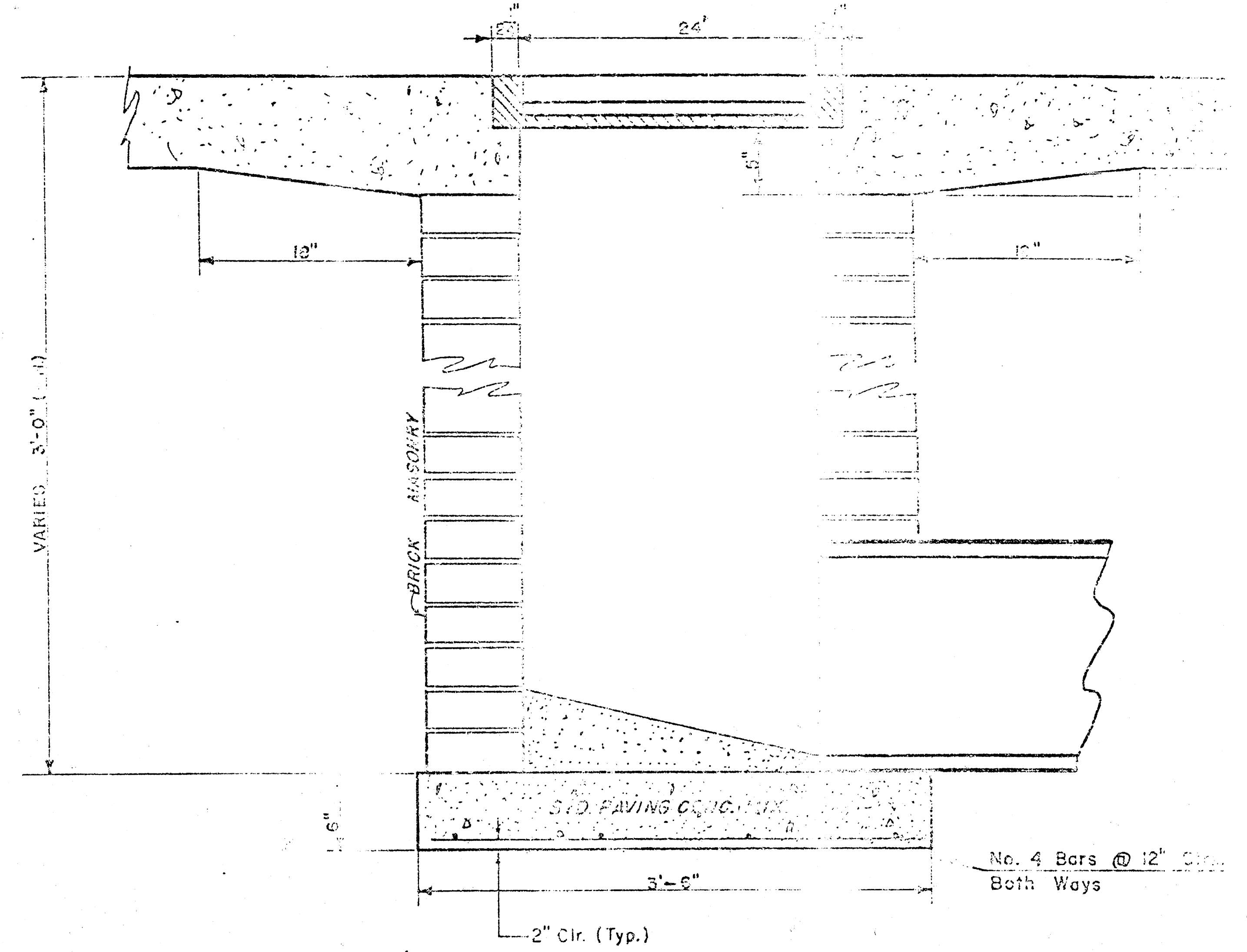
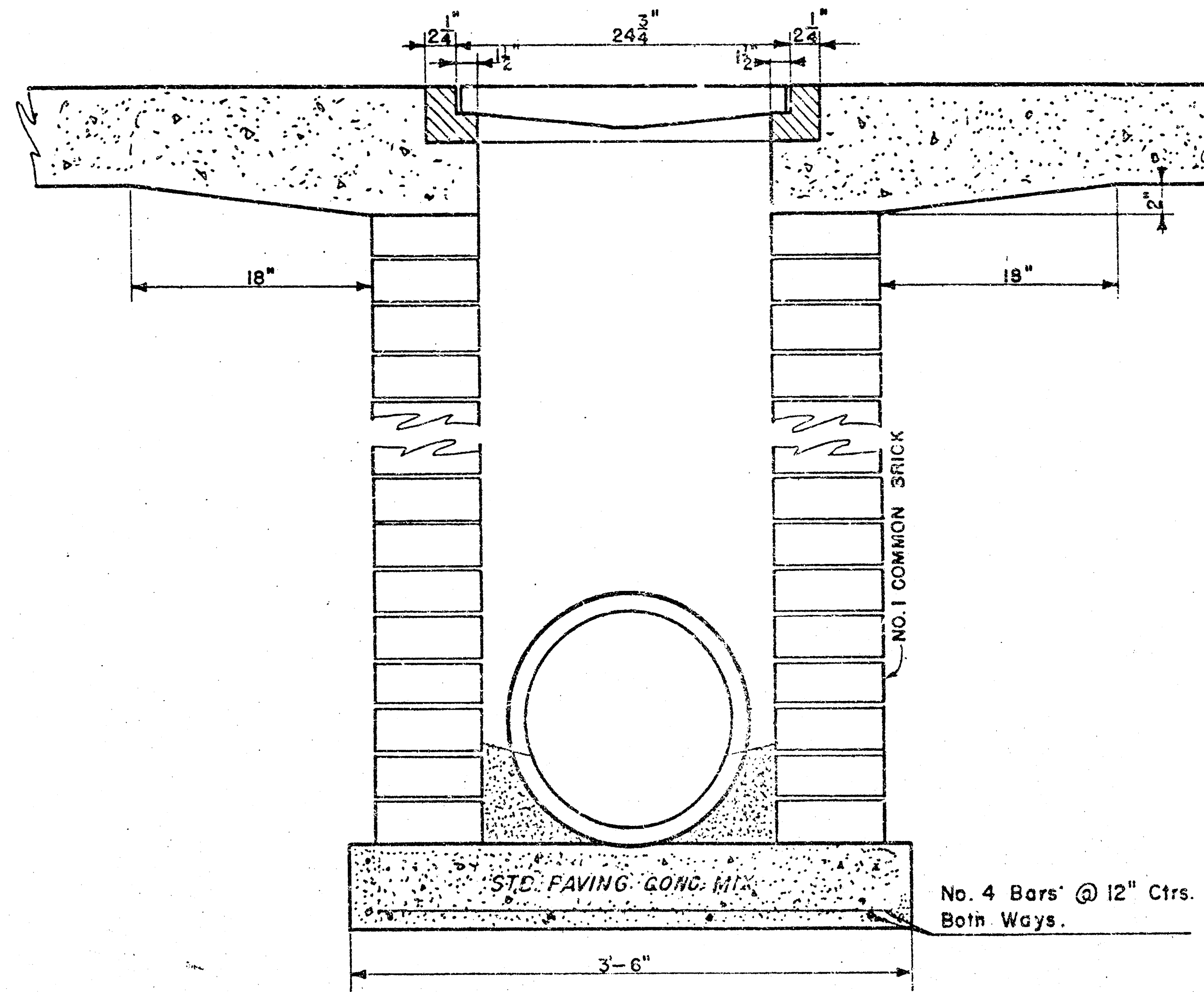


400G (Grate)
WEIGHT = 235LBS

24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail



0709 141

M. E. Lindeborg, C. J. ...

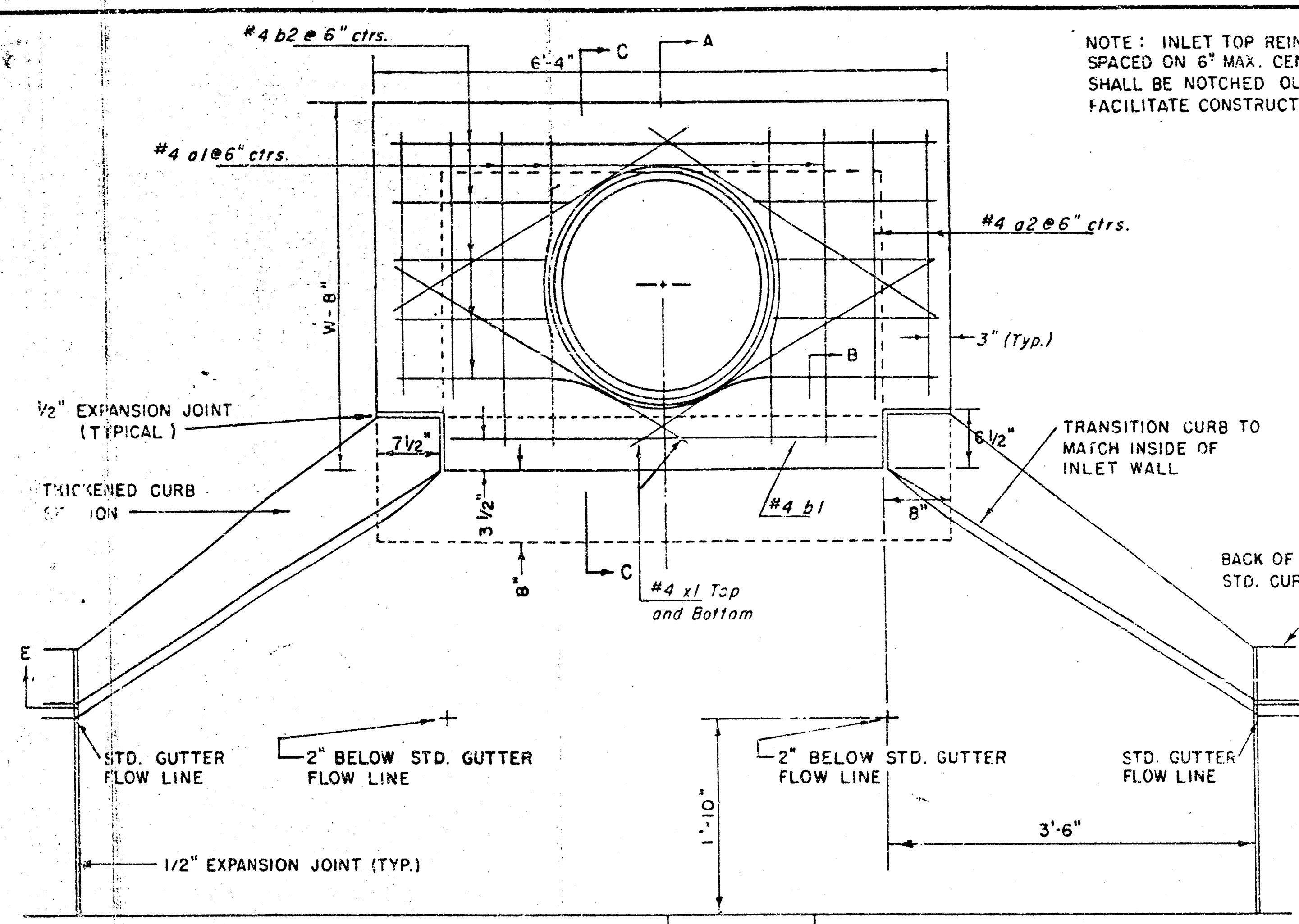
City of Wichita

Project

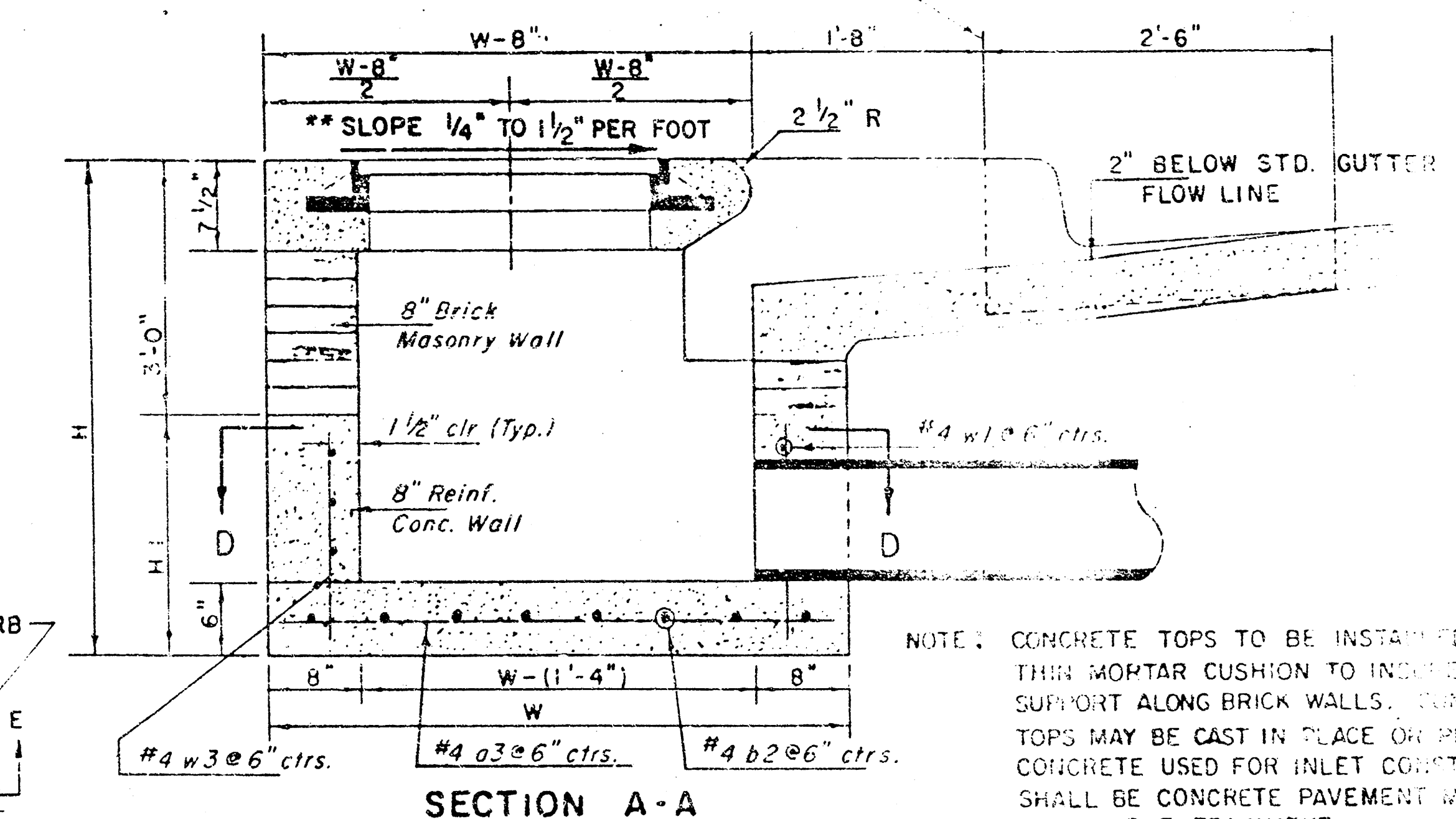
Project No.

1992

Size: 1-1/2" x 1-0"

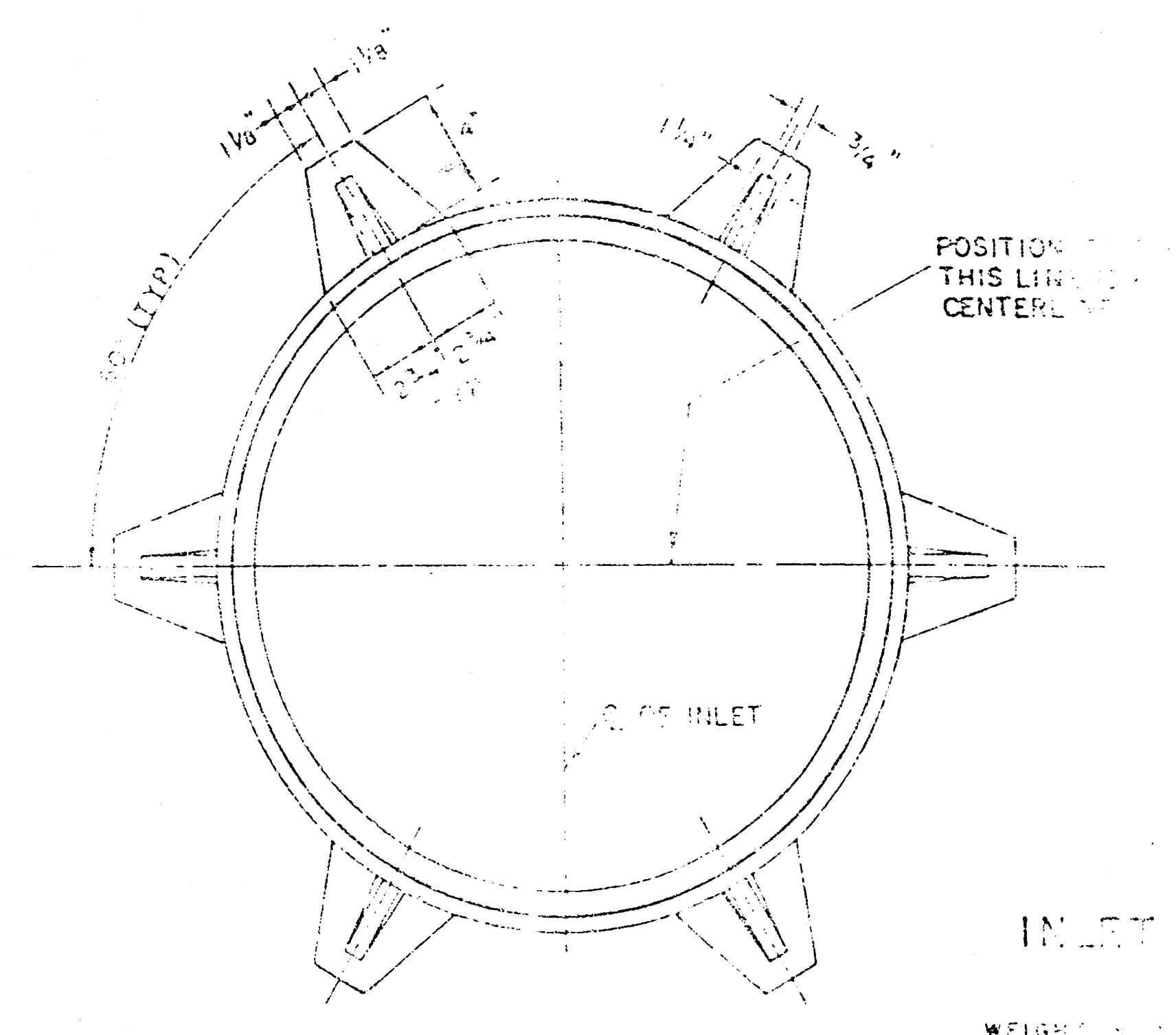


NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6\"/>



SECTION A-A

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.



INLET

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

PLAN

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	8'-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	5'-2"

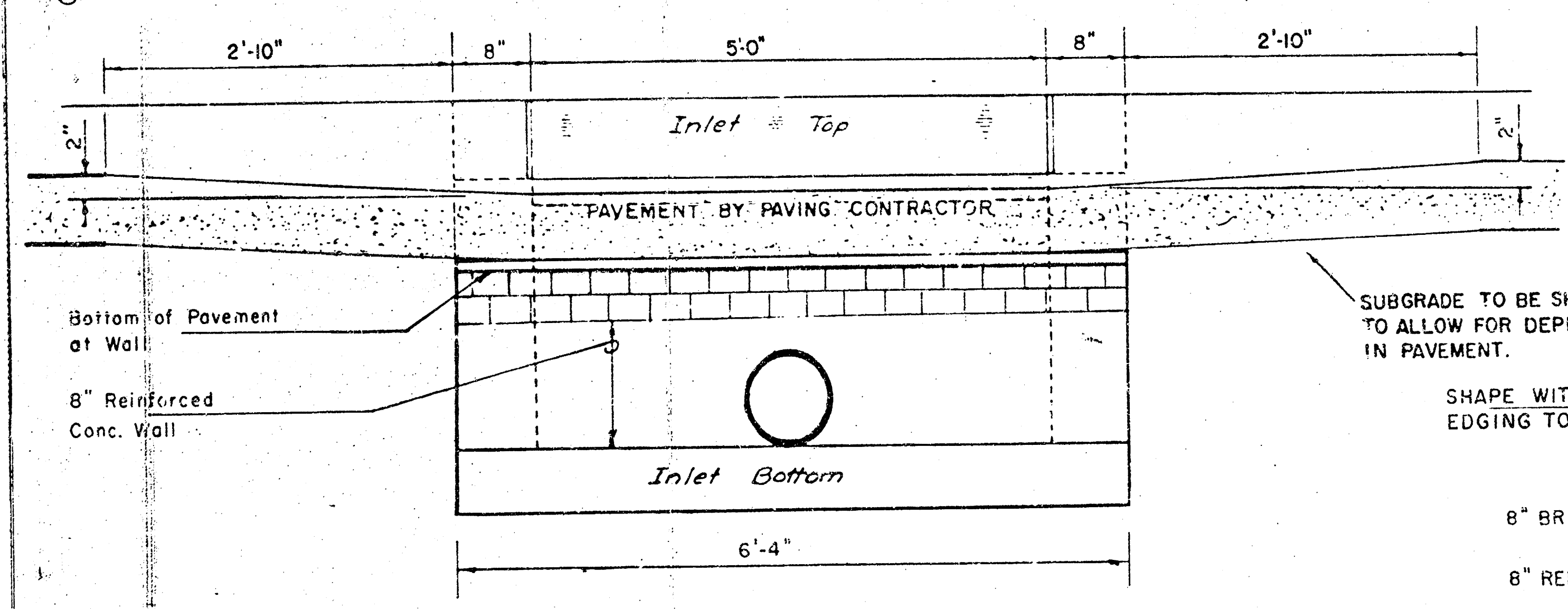
WALL REINFORCING									
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	8'-1"
w3	#4	32	2	36	2	40	2	48	2

* Field bend or cut Reinforcing as required for clearance.
 ① 4(HI-12"), (HI-12") Round down to nearest 0.5"
 ② 11.3"

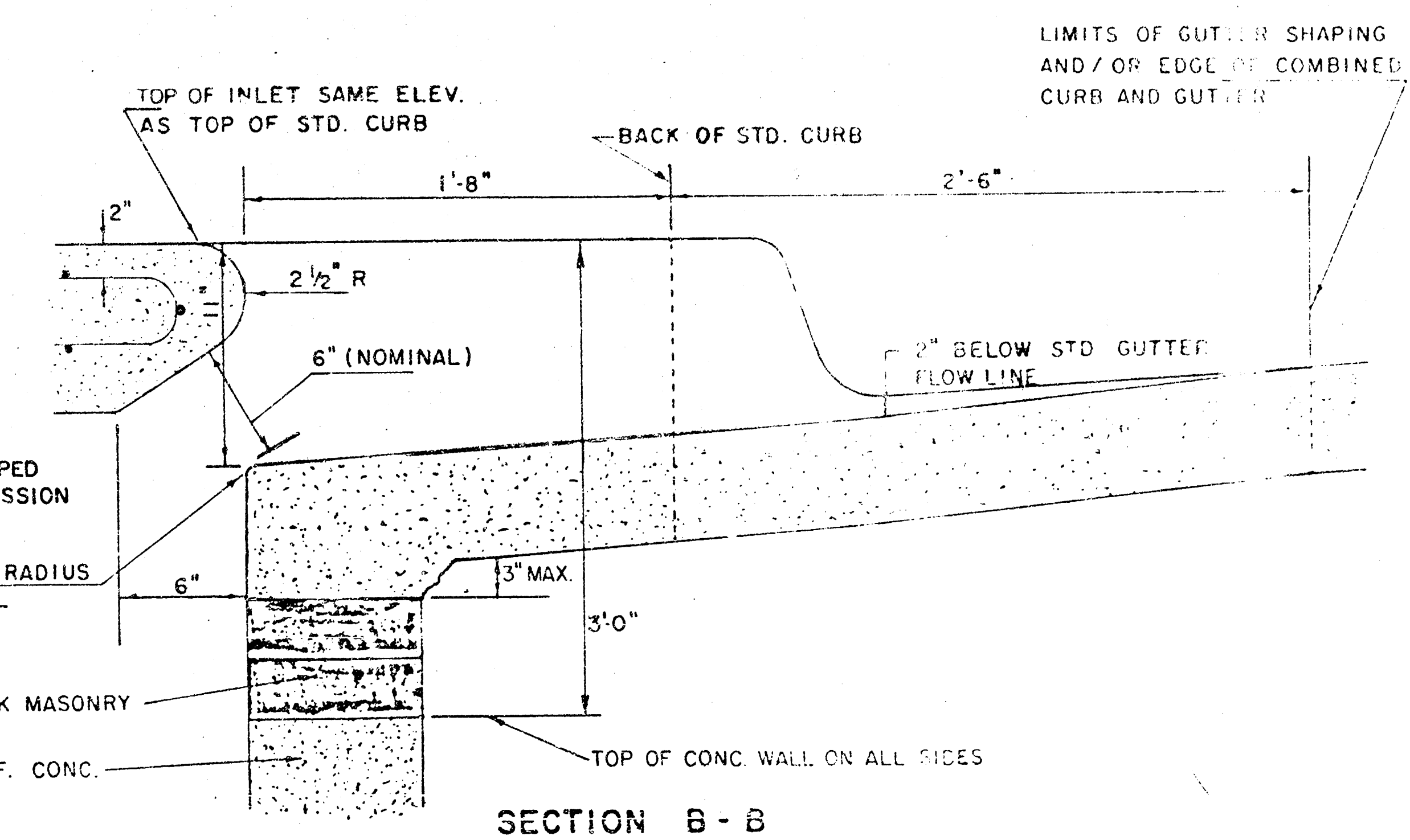
BENDING DIAGRAM

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"	21" 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 ±

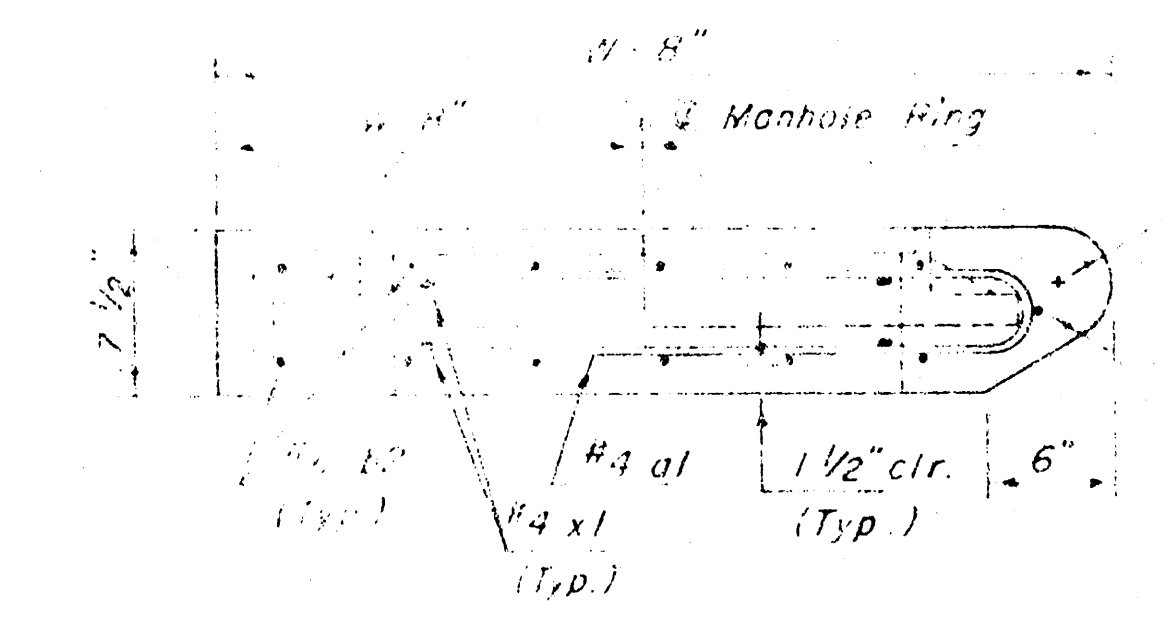
** NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.



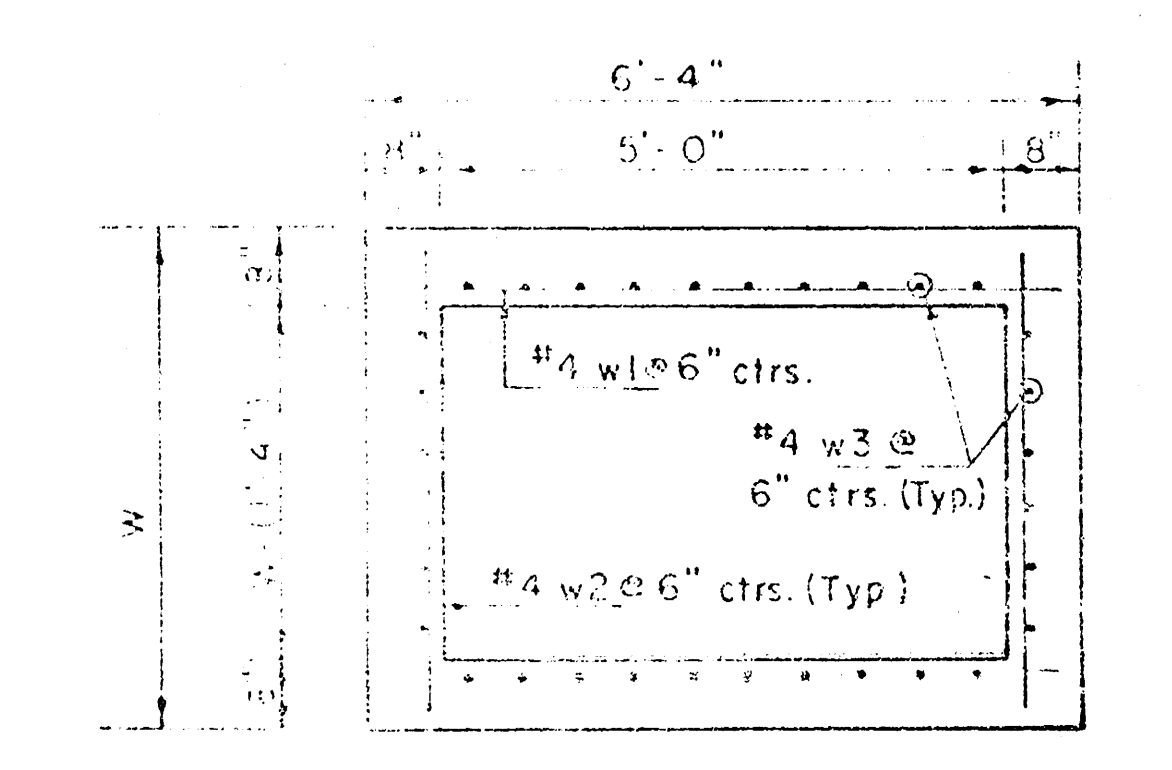
SECTION E-E



SECTION B-B

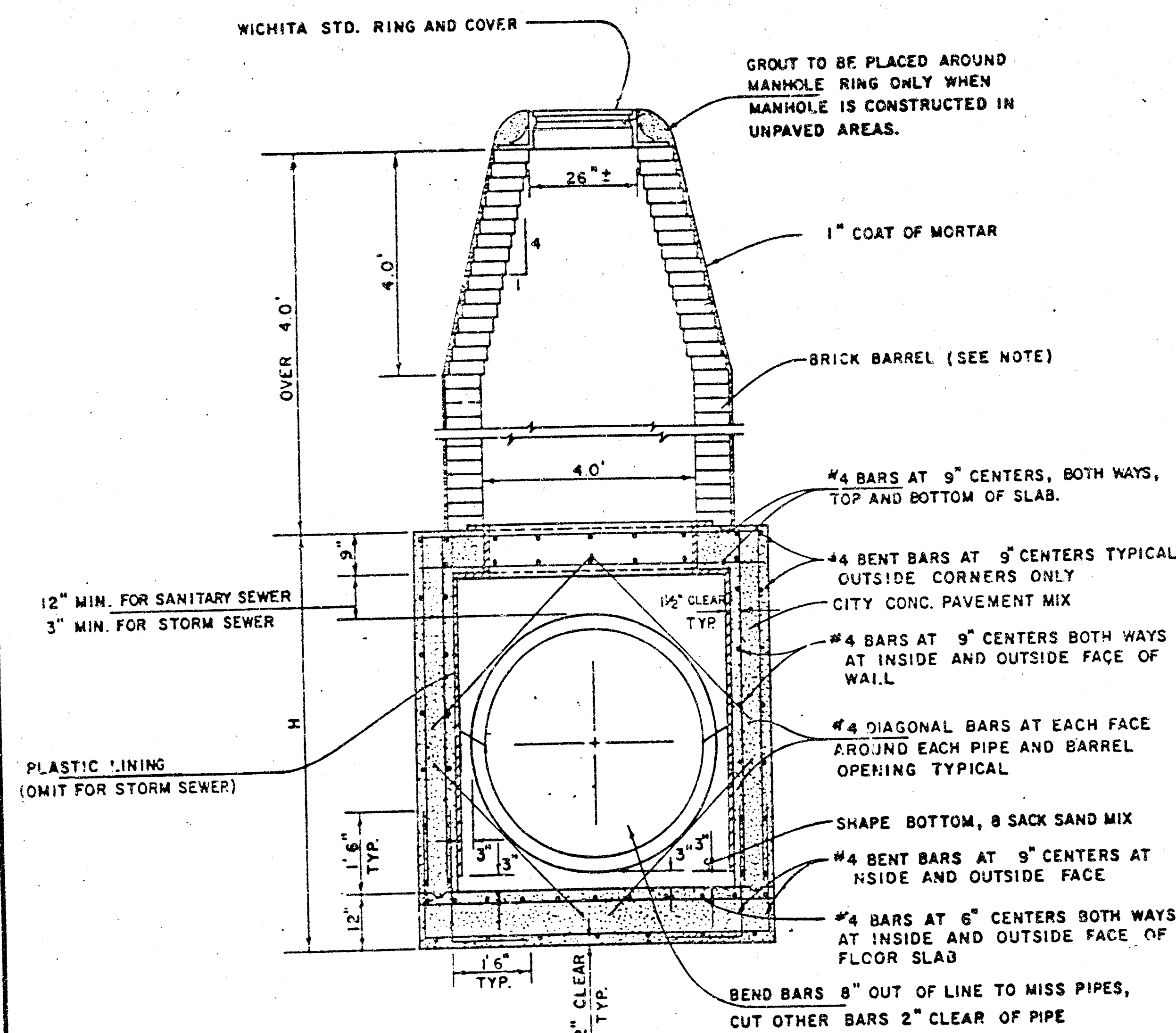
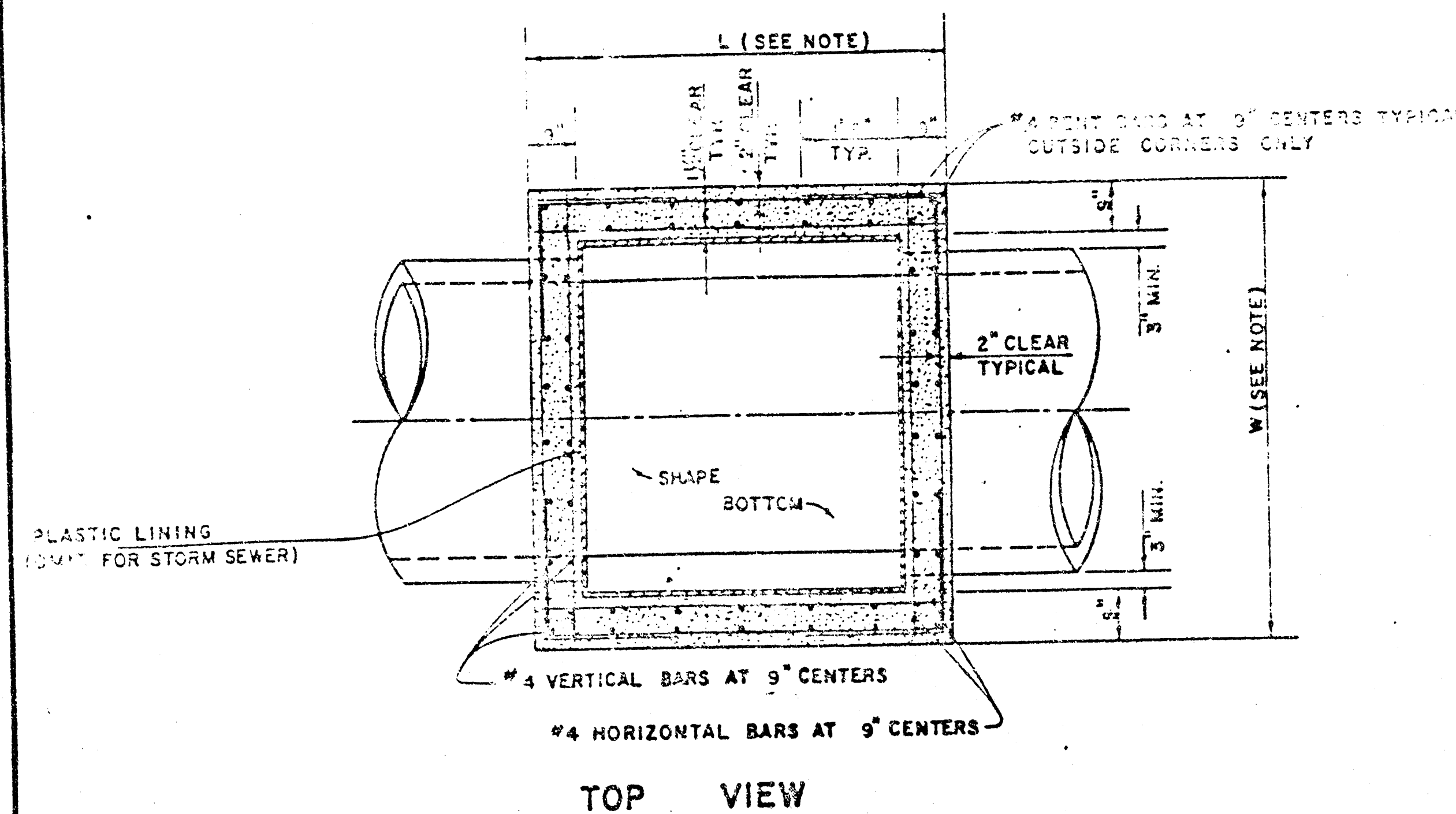


SECTION C-C

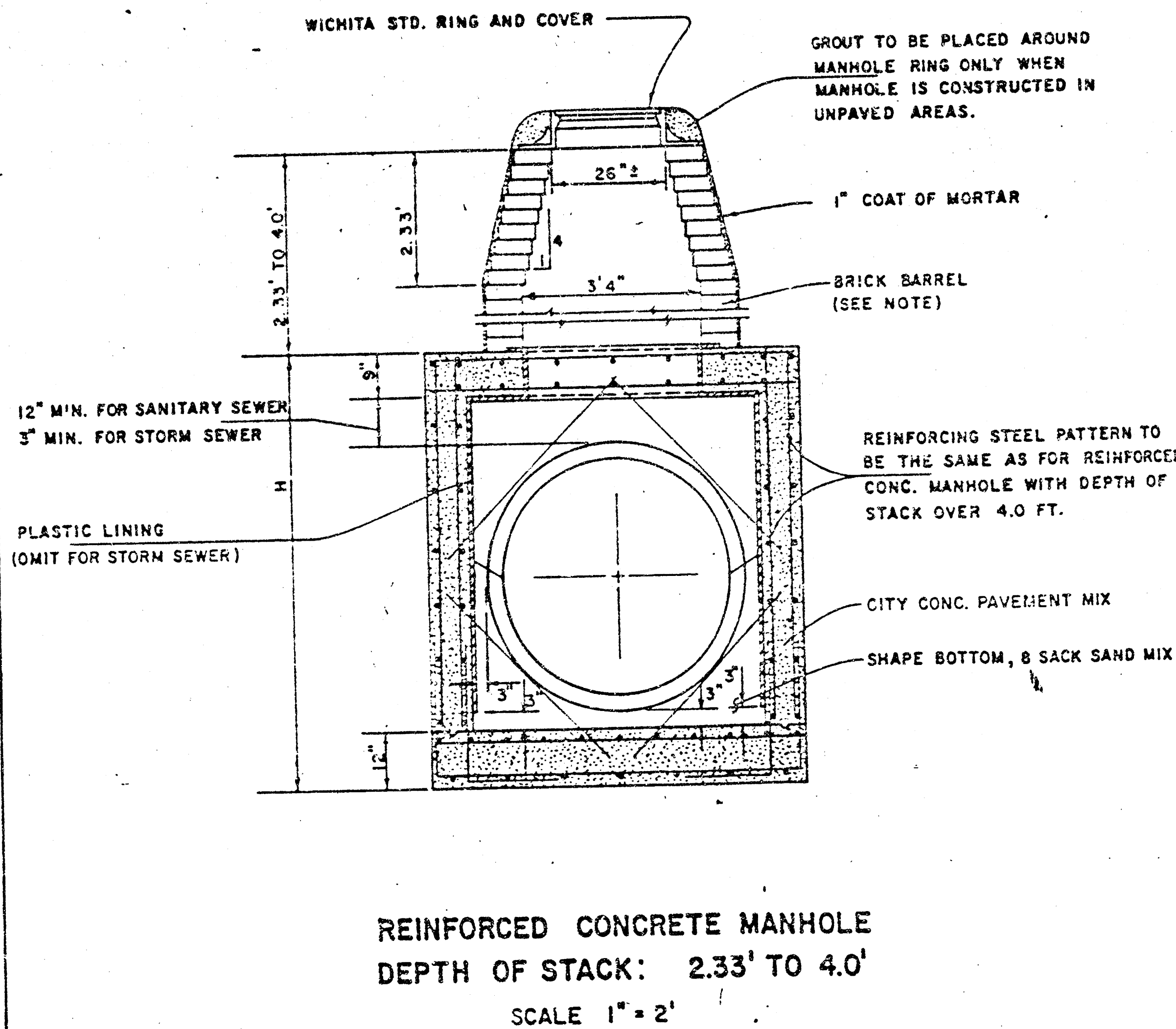
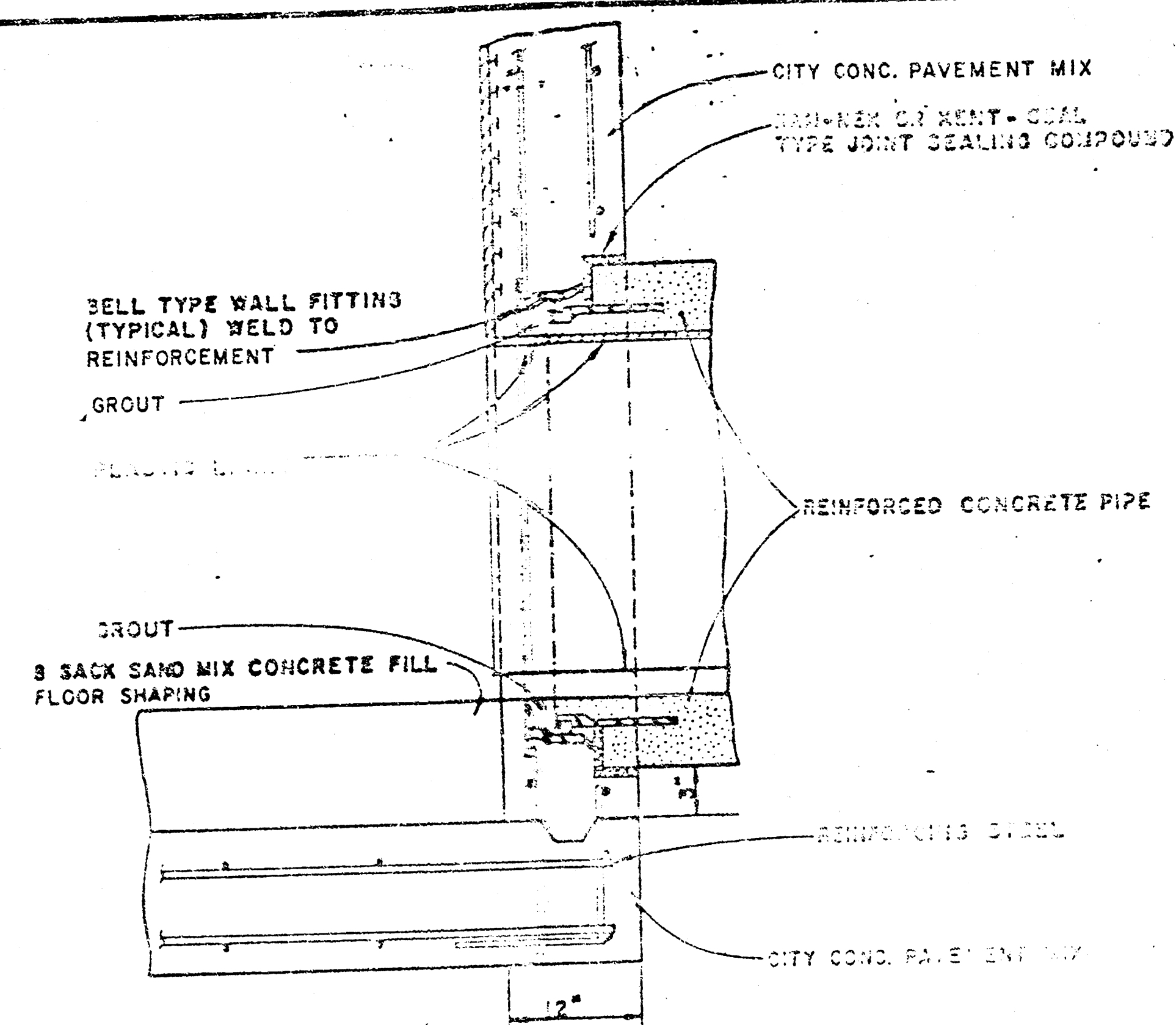
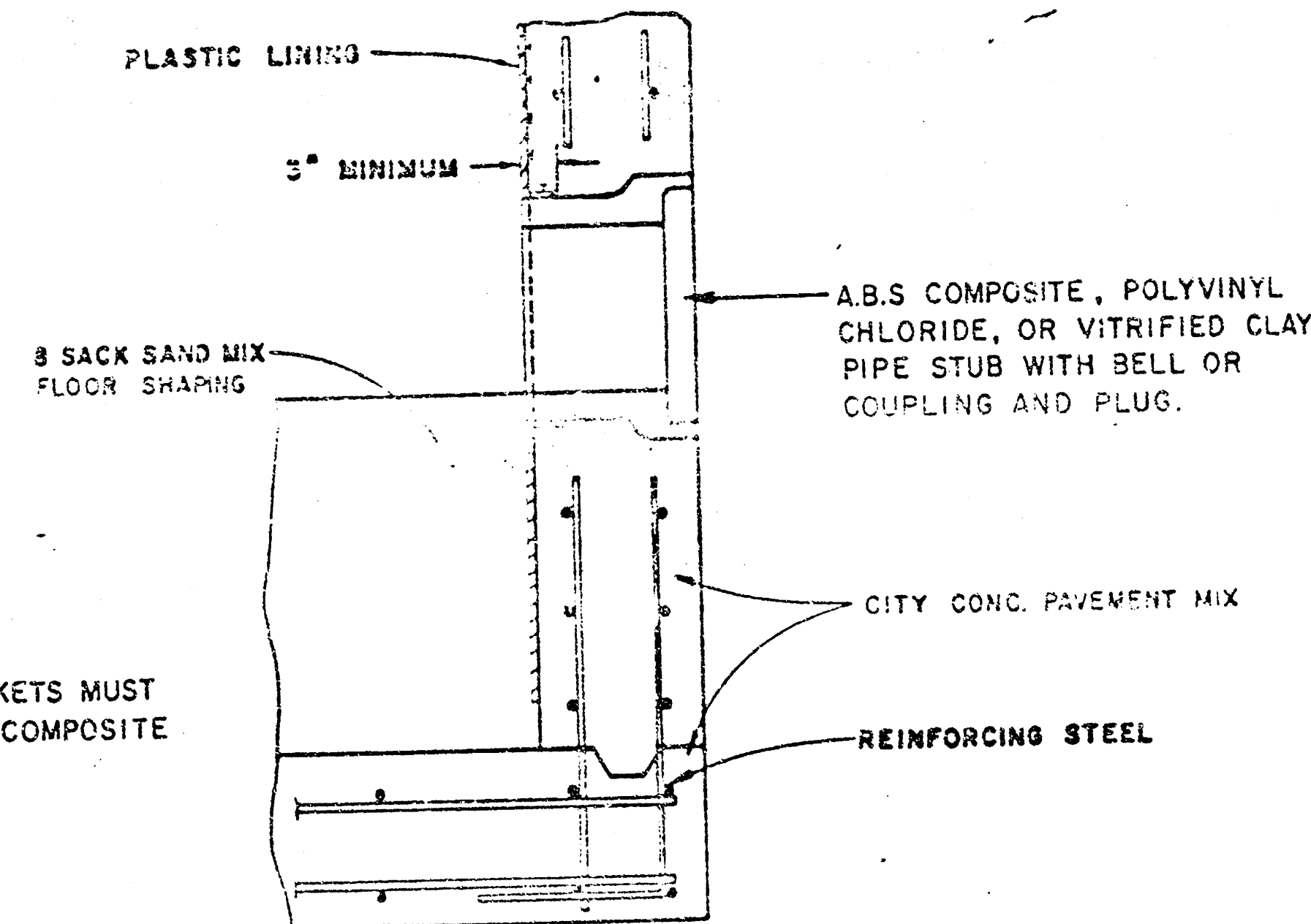


SECTION D-D

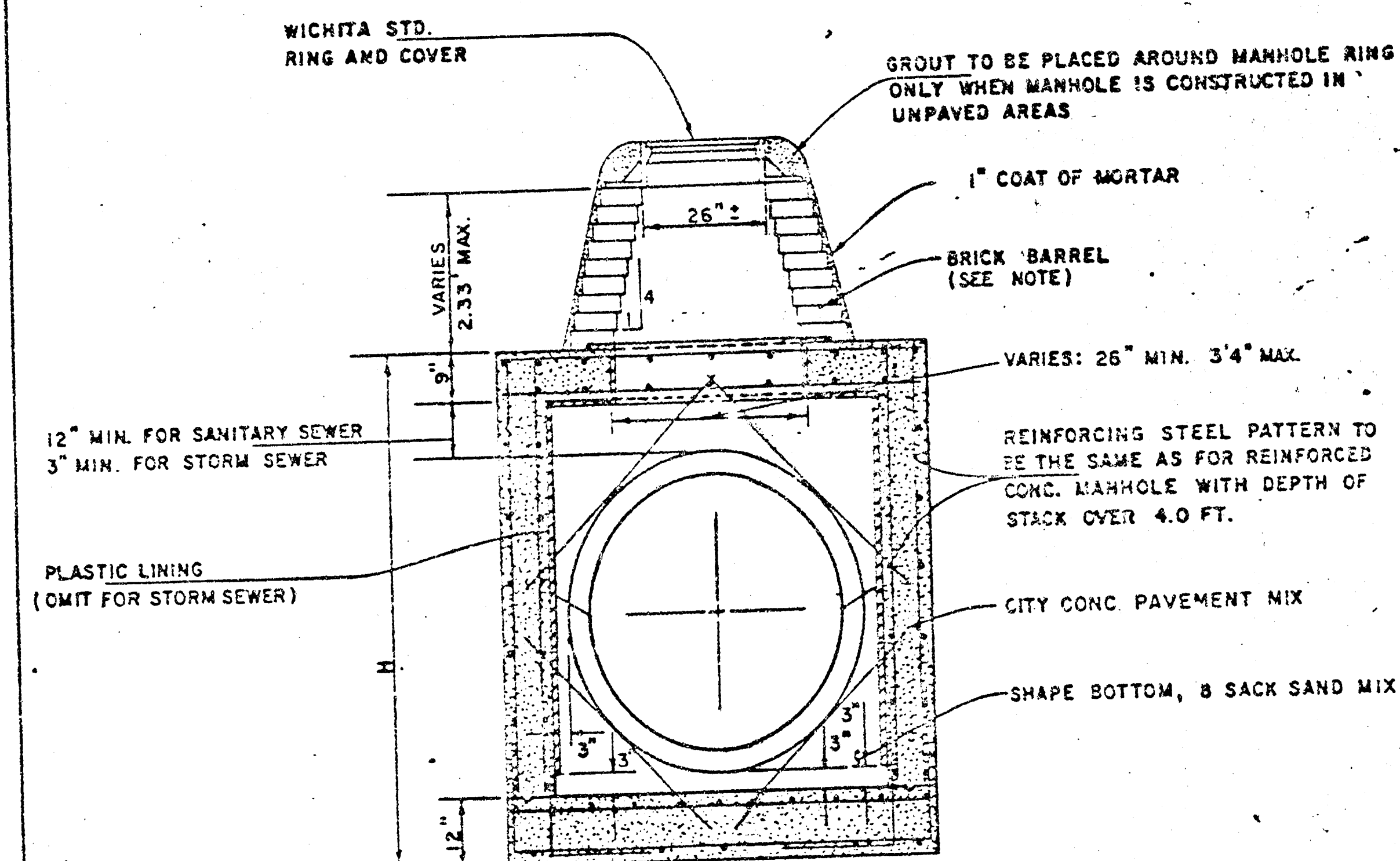
REVISOR 1-30-1933
 REVISOR 12-21-1934
 Revised 2-16-1939
DETAIL STANDARD TYPE 1A CURB
 CITY OF WICHITA, KANSAS
 INLET OPENING = 6" x 5' 0"
 JUNE 1934



NOTE: WATERSTOP GASKETS MUST BE USED WITH A.B.S. COMPOSITE OR P.V.C. PIPE.



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

SH 7 OF 7