

CITY OF WICHITA, KANSAS
 MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

SHEET NO.	TOTAL SHEETS
1	12

STORM WATER SEWER NO. 366

IN
 AUTUMN RIDGE 2ND ADDITION
 AND
 AUTUMN RIDGE ADDITION

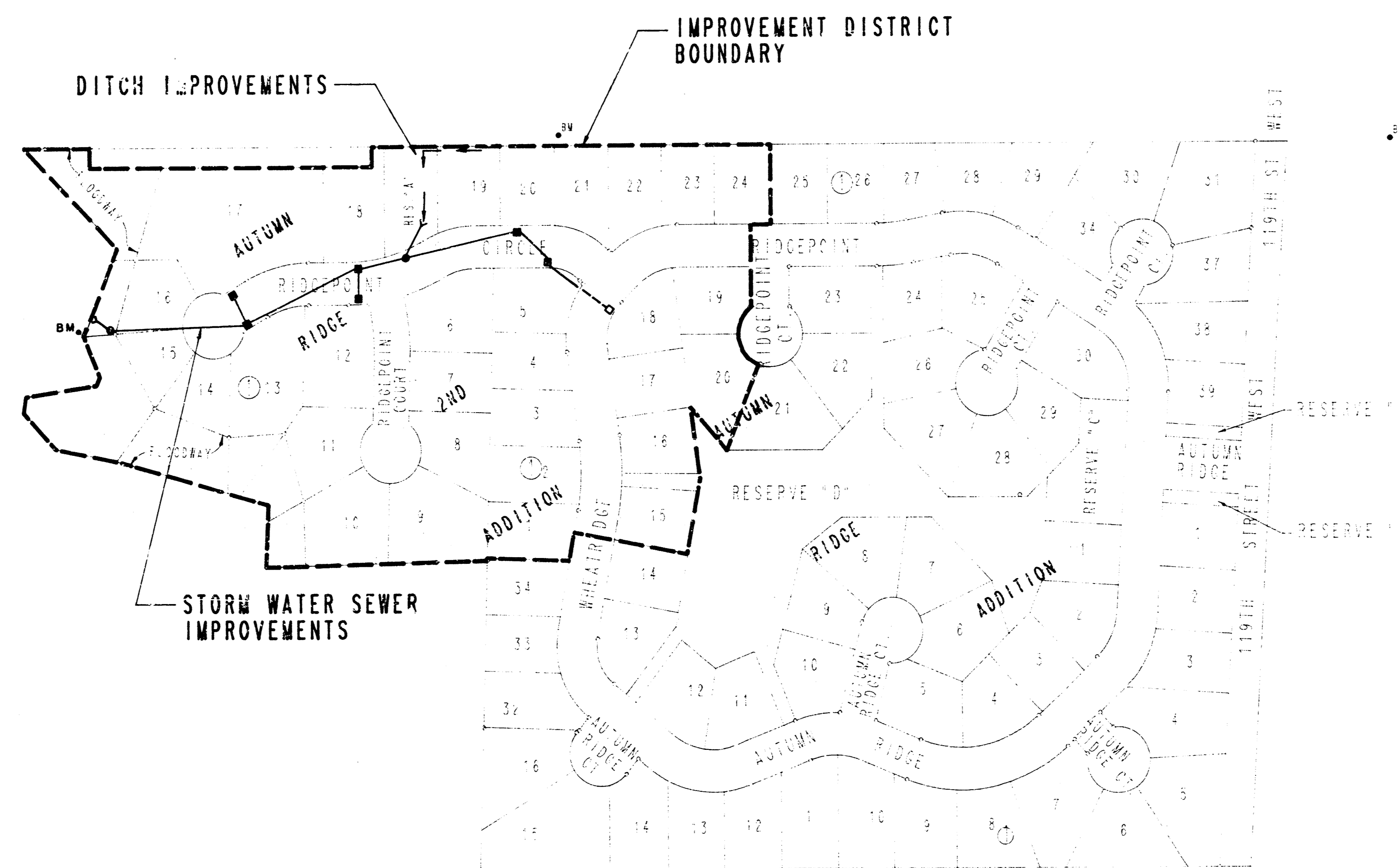
CITY OF WICHITA PROJECT NO. 468-76-245-81855-000-000-001
 INDEX # 601047

INDEX OF SHEETS

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2. PLAT-AUTUMN RIDGE ADDITION
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6. REINFORCED CONCRETE MANHOLE DETAILS
7. STANDARD TYPE 1A CURB INLET DETAILS (L=11'-4")
8. STANDARD TYPE 1A CURB INLET DETAILS (L=6'-4")
9. STANDARD MANHOLE FRAME AND COVER DETAILS
10. DITCH IMPROVEMENTS

PROJECT SURVEY CONTROL

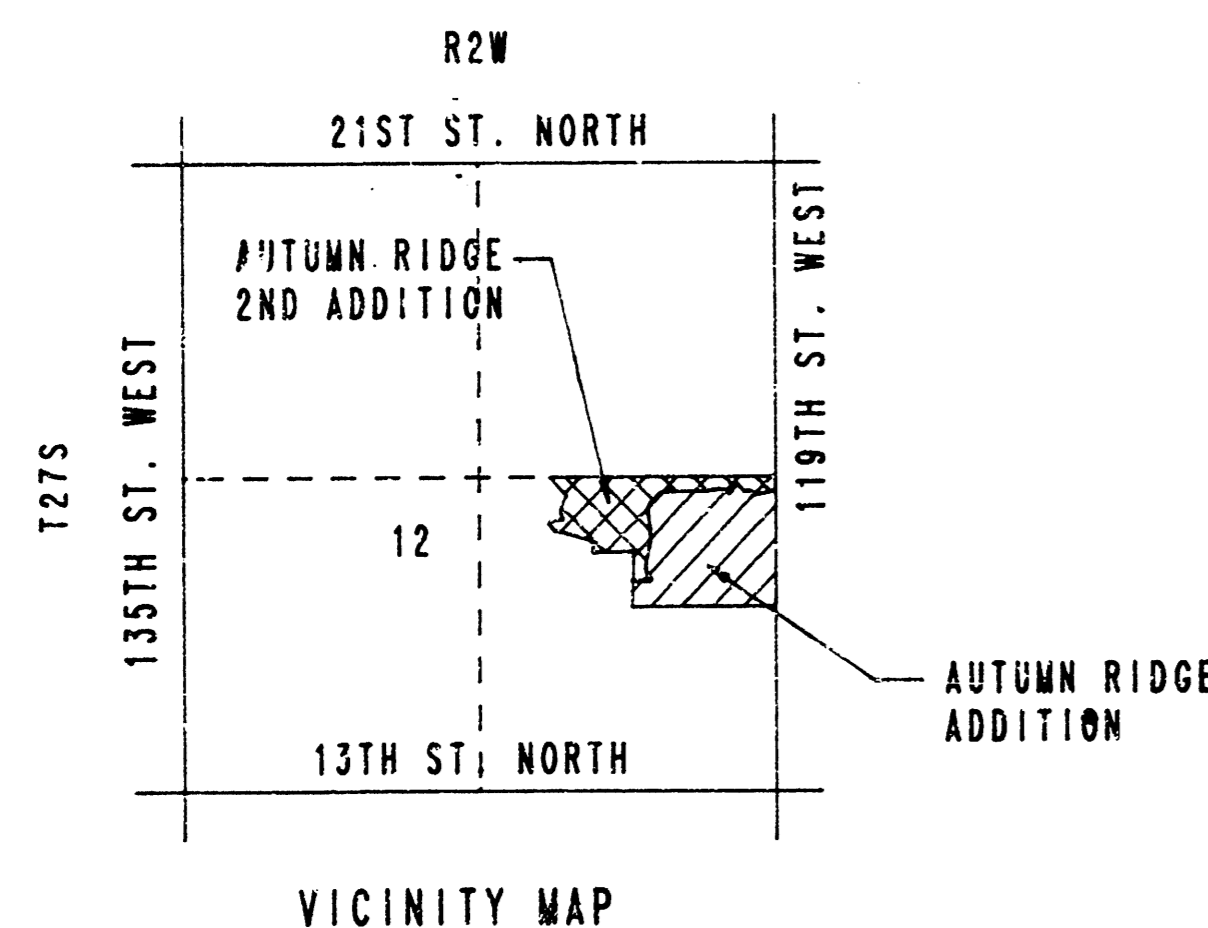
- PROJECT DATUM : CITY OF WICHITA DATUM
- DATUM BENCH MARK: CITY OF WICHITA BENCH MARK DISC 1/2 MILE EAST OF 119TH STREET WEST AND 13TH STREET, DUE NORTH OF 1/4 SECTION CORNER, 8'+ NORTH OF R-L POLE (E-W) AND 40.6' NORTH OF CENTERLINE 13TH STREET. ELEV. = 158.73
- BENCH MARK: CHISELED "0" IN NORTH CURB 17TH STREET AT 119TH STREET WEST, 2 CURB JOINTS EAST OF EAST RETURN. ELEV. = 164.73
- BENCH MARK: P.C., BACK OF NORTH CURB ON OLD WICK ROAD, 127.45' WEST OF SOUTHWEST CORNER OF AUTUMN RIDGE ADDITION. ELEV. = 158.17
- BENCH MARK: RR SPIKE IN SOUTH FACE POWER POLE 13' EAST AND 29' NORTH OF THE NORTHEAST CORNER OF LOT 20 BLOCK 1, AUTUMN RIDGE 2ND ADDITION. ELEV. = 158.86
- BENCH MARK: RR SPIKE IN ROOT OF 14' MULBERRY ON SOUTH SIDE, 45' NORTHWEST OF INTERSECTION OF NORTH PROPERTY LINE OF LOT 15, BLOCK 1, AUTUMN RIDGE 2ND ADDITION AND THE FLOODWAY BOUNDARY. ELEV. = 149.37



GENERAL NOTES

1. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, 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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
2. 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 THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.
3. CONTRACTOR SHALL SATISFY HIMSELF OF SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION.
4. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
5. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL 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.
7. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

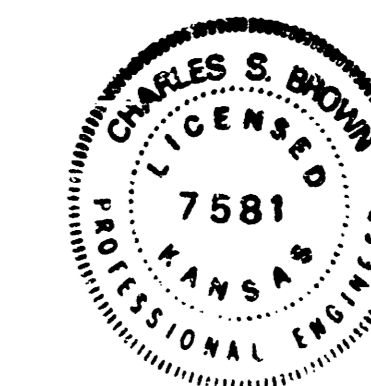
SOUTHWESTERN BELL TELEPHONE COMPANY	1-316-571-2611
CABLEVISION	262-4270 OR 263-2061
KPL GAS SERVICE	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	268-4008
CITY OF WICHITA SEWER DEPARTMENT	268-4071
ARKLA GAS COMPANY	942-8350 OR 263-8161
RURAL WATER DISTRICT NO. 4	796-1100
8. DITCH IMPROVEMENTS AS SHOWN ON SHEET NO. 12 SHALL BE SEED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH C.O.W. SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS.



*AS BUILT
 (Not Measured)
 12/7/88
 M.G.*

REVISED - SEPT 12, 88

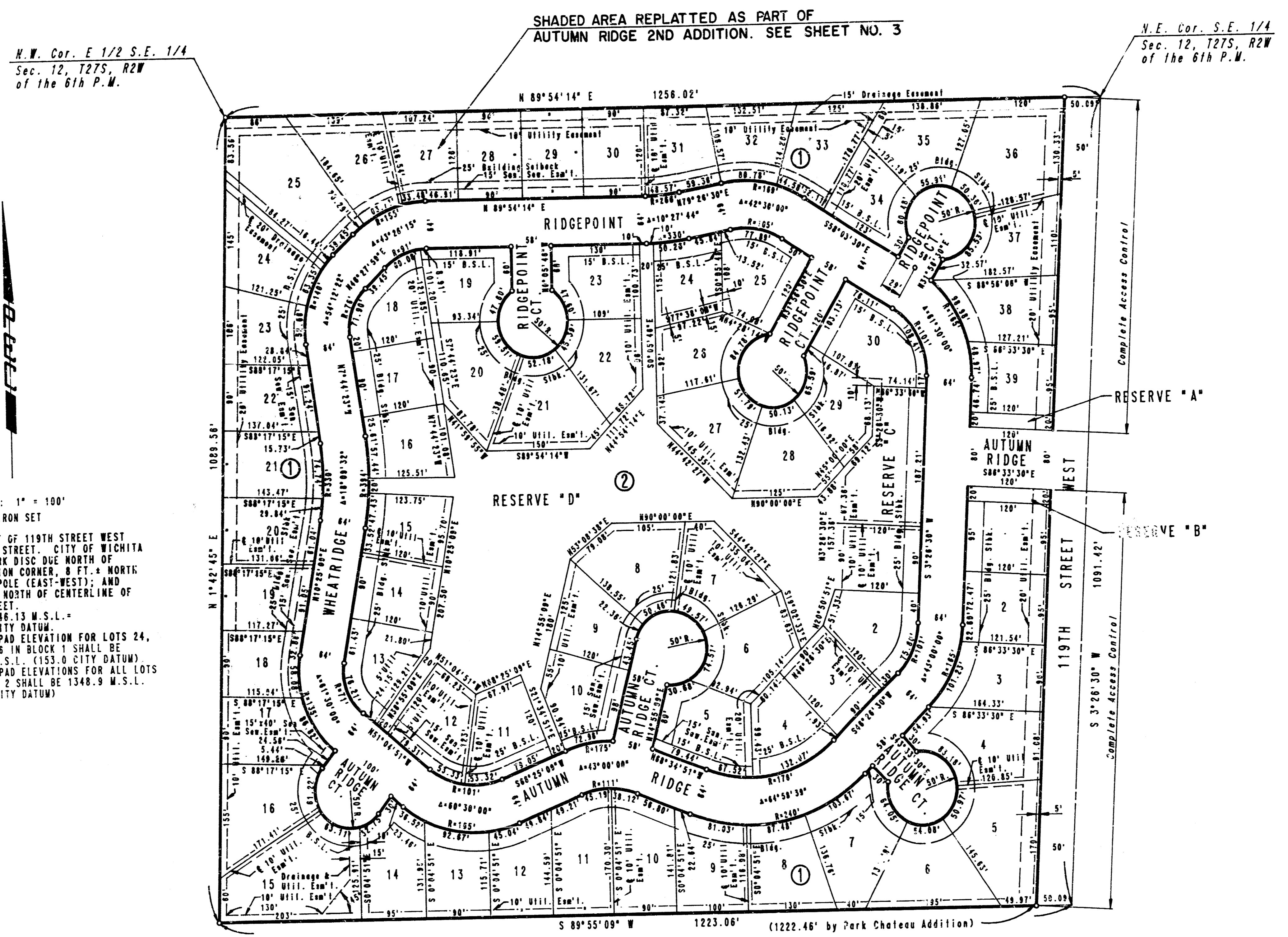
AUGUST, 1988
 PLANS PREPARED BY
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS



PROJECT NO.	SHEET NO.	TOTAL SHEETS
468-76-245-81855-000-000-001	2	12

AUTUMN RIDGE

TO WICHITA, SEDGWICK COUNTY, KANSAS



SCALE: 1" = 100'
○ = IRON SET

B.M. - 1/2 EAST OF 119TH STREET WEST AND 13TH STREET, CITY OF WICHITA BENCH MARK DISC DUE NORTH OF 1/4 SECTION CORNER, 8 FT. NORTH OF W.L. POLE (EAST-WEST); AND 40.6 FT. NORTH OF CENTERLINE OF 13TH STREET.
ELEV. = 1348.13 M.S.L. + 158.73 CITY DATUM.
MINIMUM PAD ELEVATION FOR LOTS 24, 25 AND 26 IN BLOCK 1 SHALL BE 1340.4 M.S.L. (153.0 CITY DATUM).
MINIMUM PAD ELEVATIONS FOR ALL LOTS IN BLOCK 2 SHALL BE 1348.9 M.S.L. (161.5 CITY DATUM).

Storm Water Sewer No. 366

PLAT

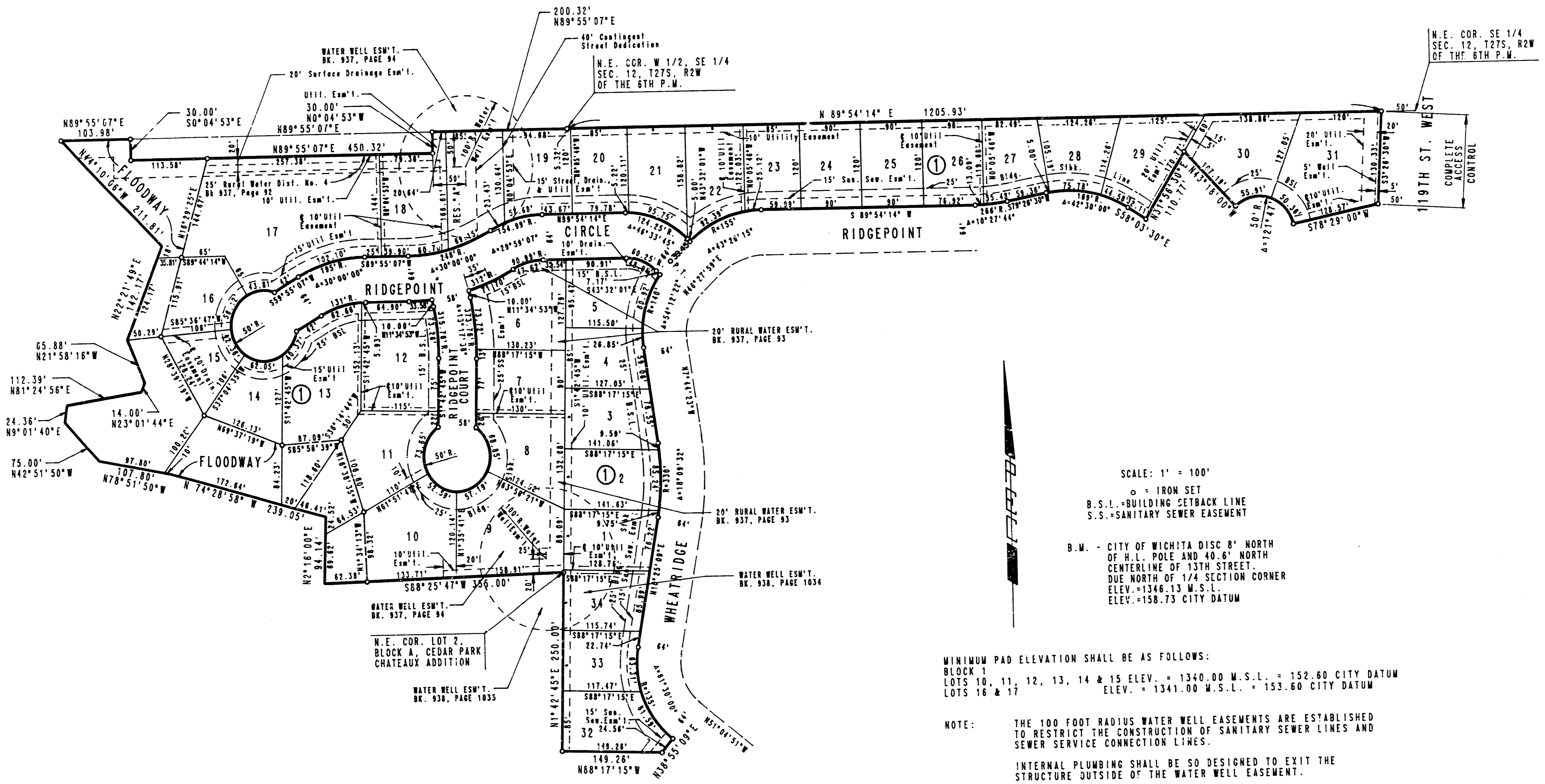
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	Checked by
Drawn by DEP	Date MAY, 1988 Job No. 88155-1

PROJECT NO. 468-76-245-81855-000-000-001	SHEET NO. 3	TOTAL SHEETS 12
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AUTUMN RIDGE 2ND ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS



SCALE: 1" = 100'
 ○ = IRON SET
 B.S.L. = BUILDING SETBACK LINE
 S.S. = SANITARY SEWER EASEMENT
 R.M. = CITY OF WICHITA DISC 8' NORTH
 OF N.L. POLE AND 40.6' NORTH
 CENTERLINE OF 13TH STREET.
 DUE NORTH OF 1/4 SECTION CORNER
 ELEV. = 1346.13 M.S.L.
 ELEV. = 158.73 CITY DATUM

MINIMUM PAD ELEVATION SHALL BE AS FOLLOWS:
 BLOCK 1
 LOTS 10, 11, 12, 13, 14 & 15 ELEV. = 1340.00 M.S.L. = 152.60 CITY DATUM
 LOTS 16 & 17 ELEV. = 1341.00 M.S.L. = 153.60 CITY DATUM

NOTE: THE 100 FOOT RADIUS WATER WELL EASEMENTS ARE ESTABLISHED TO RESTRICT THE CONSTRUCTION OF SANITARY SEWER LINES AND SEWER SERVICE CONNECTION LINES.
 INTERNAL PLUMBING SHALL BE SO DESIGNED TO EXIT THE STRUCTURE OUTSIDE OF THE WATER WELL EASEMENT.

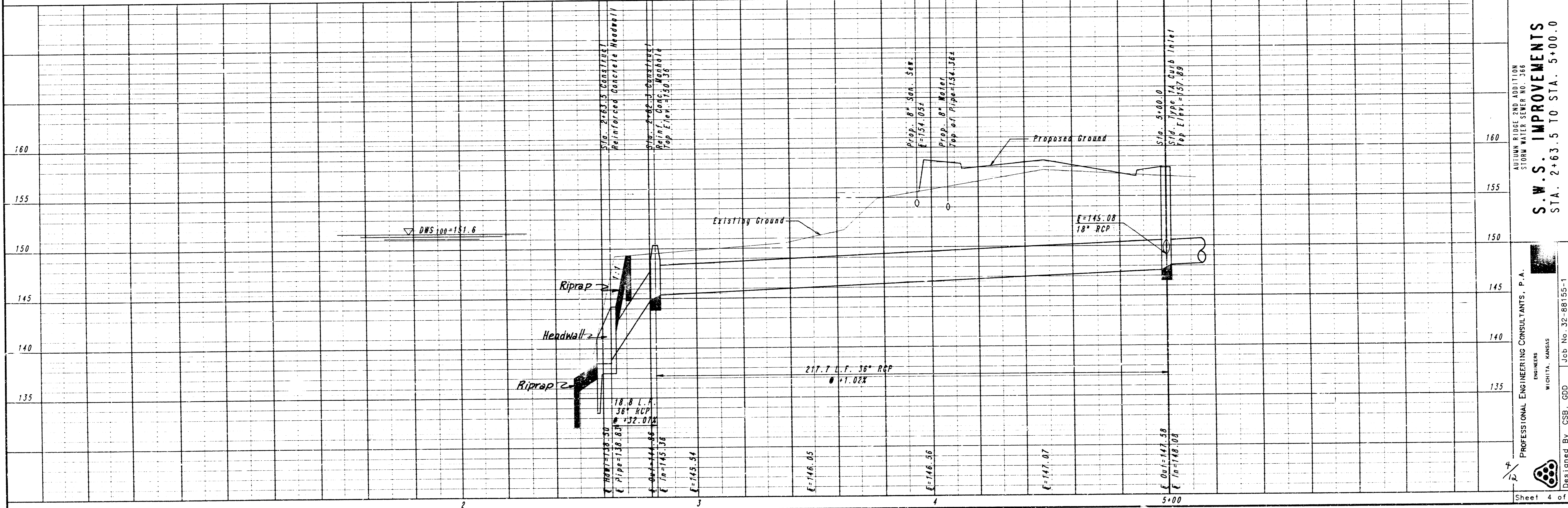
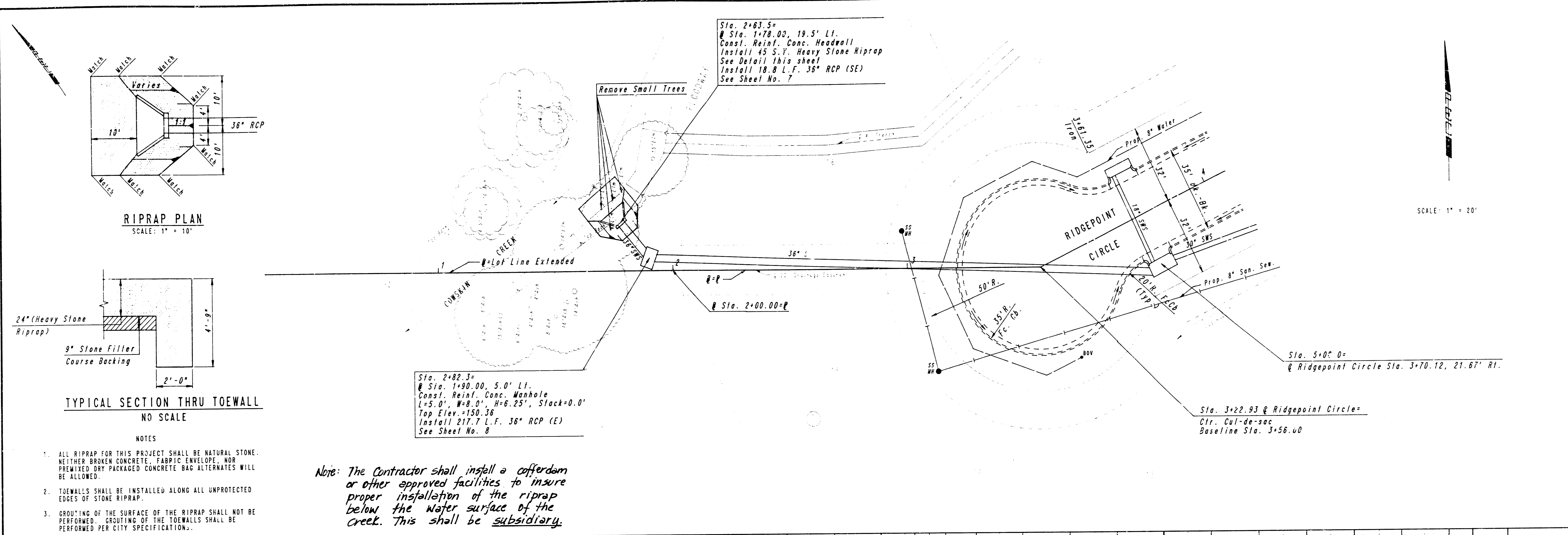
Storm Water Sewer No. 366

PLAT

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS

Designed by	Checked by
Drawn by DEP	Date JUNE, 1988 Job No. 88155-1

3/12



AUTUMN RIDGE END ADDITION
 STORM WATER SEWER NO. 368
S.W.S. IMPROVEMENTS
 STA. 2+63.5 TO STA. 5+00.0
 C.O.W. PROJECT NO. 488-76-245-11855-000-001-001
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 WICHITA, KANSAS
 Designed By CSB, GDD
 Drawn By DEP
 Job No. 32-88155-1
 Date AUG., 1988
 Sheet 4 of 12

@ Ridgpoint Circle Sta. 3+70.12, 20.67' Lt.
 Const. Sid. Type 1A Curb Inlet
 (L=11'-4", W=4'-4")
 Top Elev.=157.89
 E Out=150.35
 See Sh. No. 9

Sta. 7+00.9
 @ Ridgpoint Circle Sta. 5+75.51, 21.17' Lt.
 Const. Sid. Type 1A Curb Inlet
 (L=6'-4", W=5'-4")
 Top Elev.=157.92
 Install 80.0 L.F. 30" RCP(E)
 Install 41.8 L.F. 18" RCP(S)
 E In=151.57 (18")
 See Sh. No. 10

@ Street Curve Data
 A=30°00'00"
 D=20°27'46"
 R=280.00'
 T=75.03'
 L=148.61'
 E=9.88'

Sta. 3+22.93 @ Ridgpoint Circle=
 Ctr. Cul-de-sac

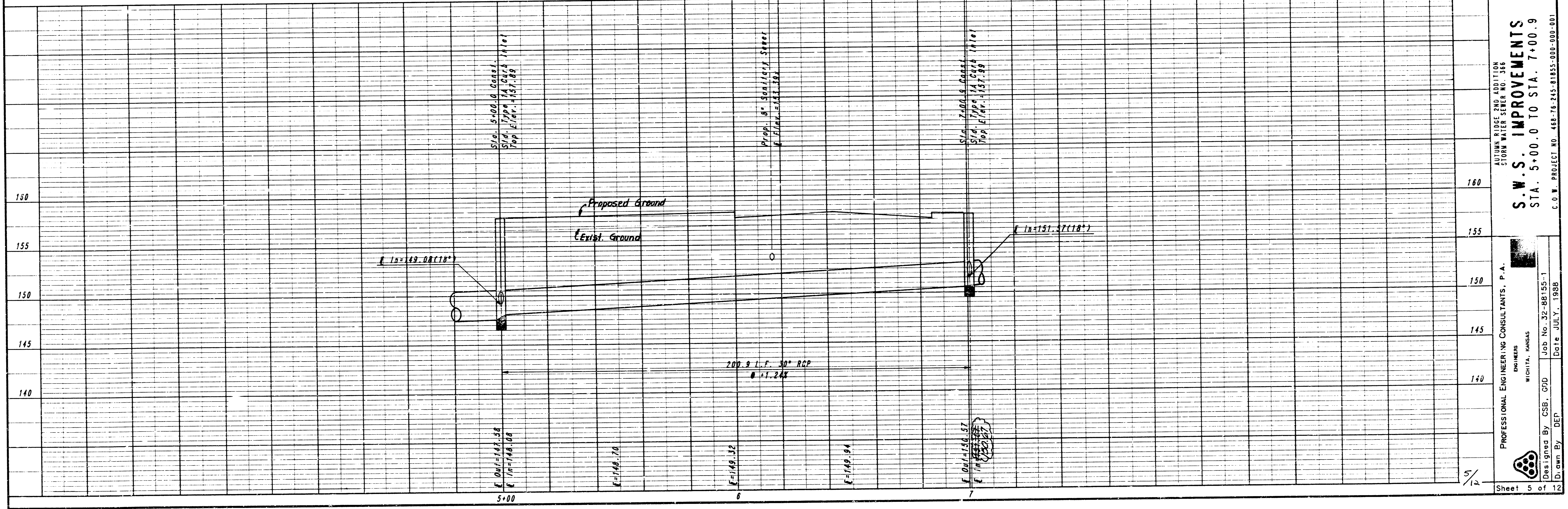
@ Street Curve Data
 A=30°00'00"
 D=35°09'03"
 R=163.00'
 T=43.68'
 L=85.35'
 E=5.75'

@ Ridgpoint Circle Sta. 5+76.00, 20.67' Rt.
 Const. Sid. Type 1A Curb Inlet
 (L=8'-4", W=4'-4")
 Top Elev.=157.99
 E Out=152.41
 See Sh. No. 10

Sta. 6+09.80 @ Ridgpoint Circle=
 Sta. 20+00.00 @ Ridgpoint Court

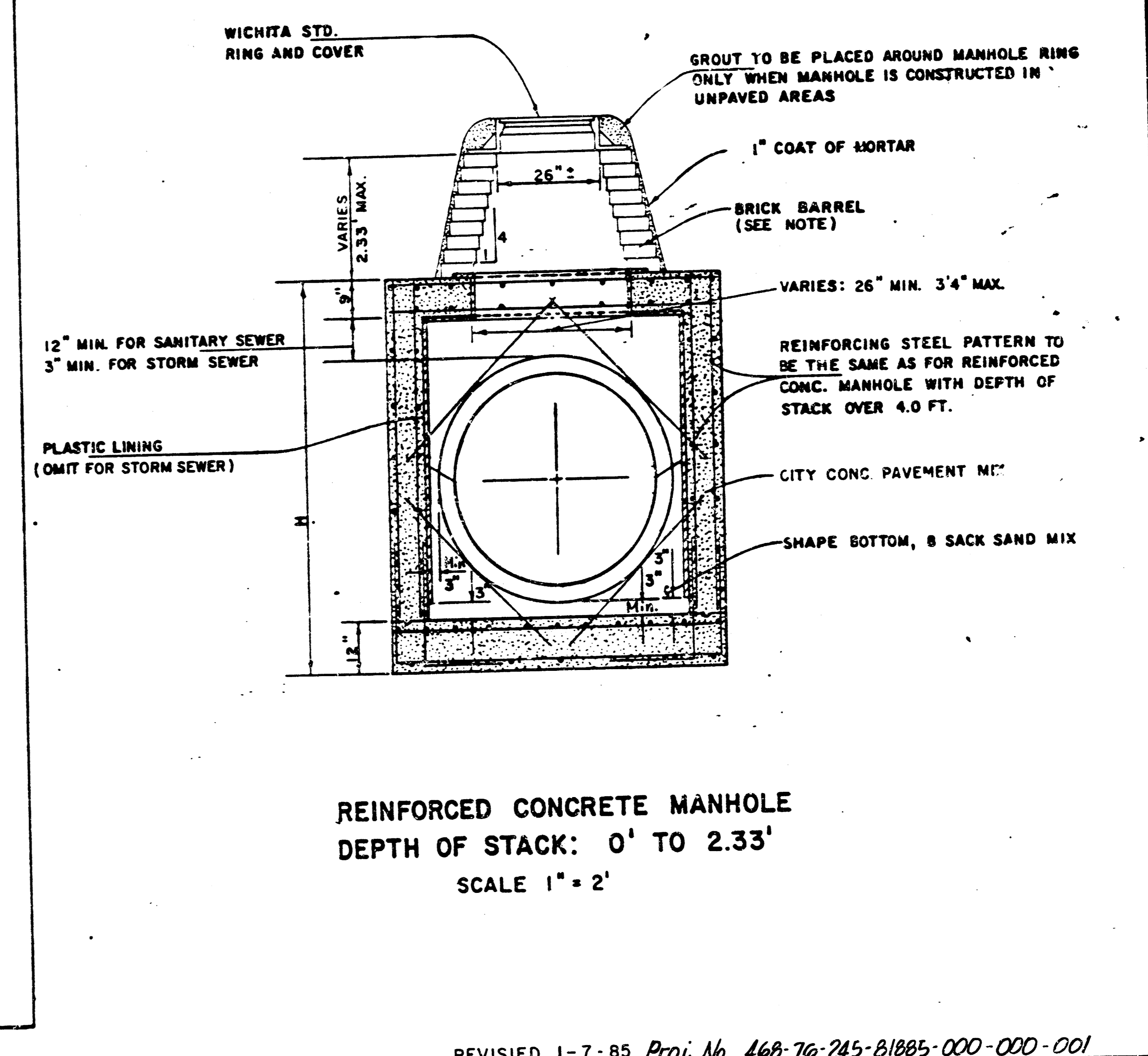
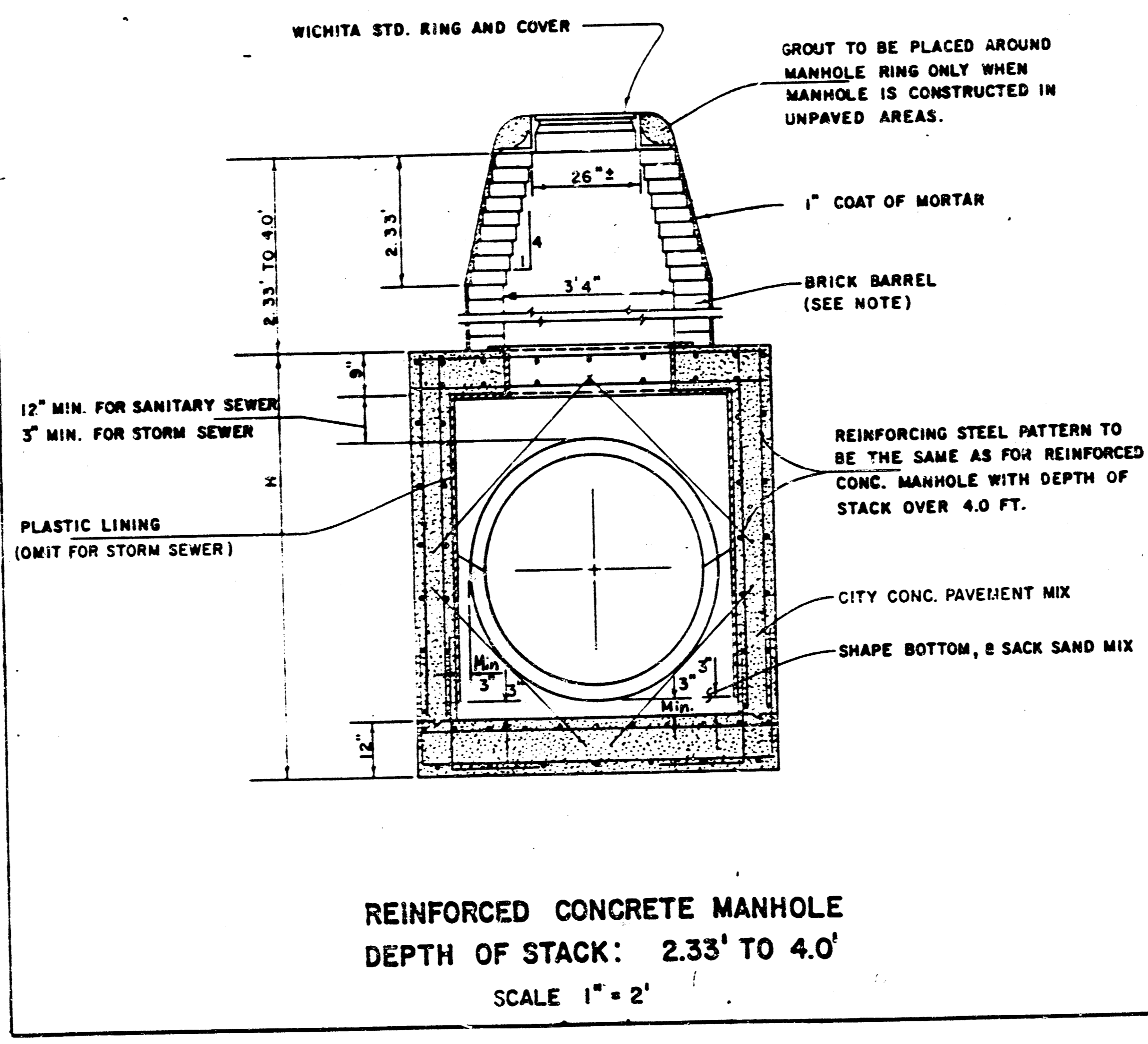
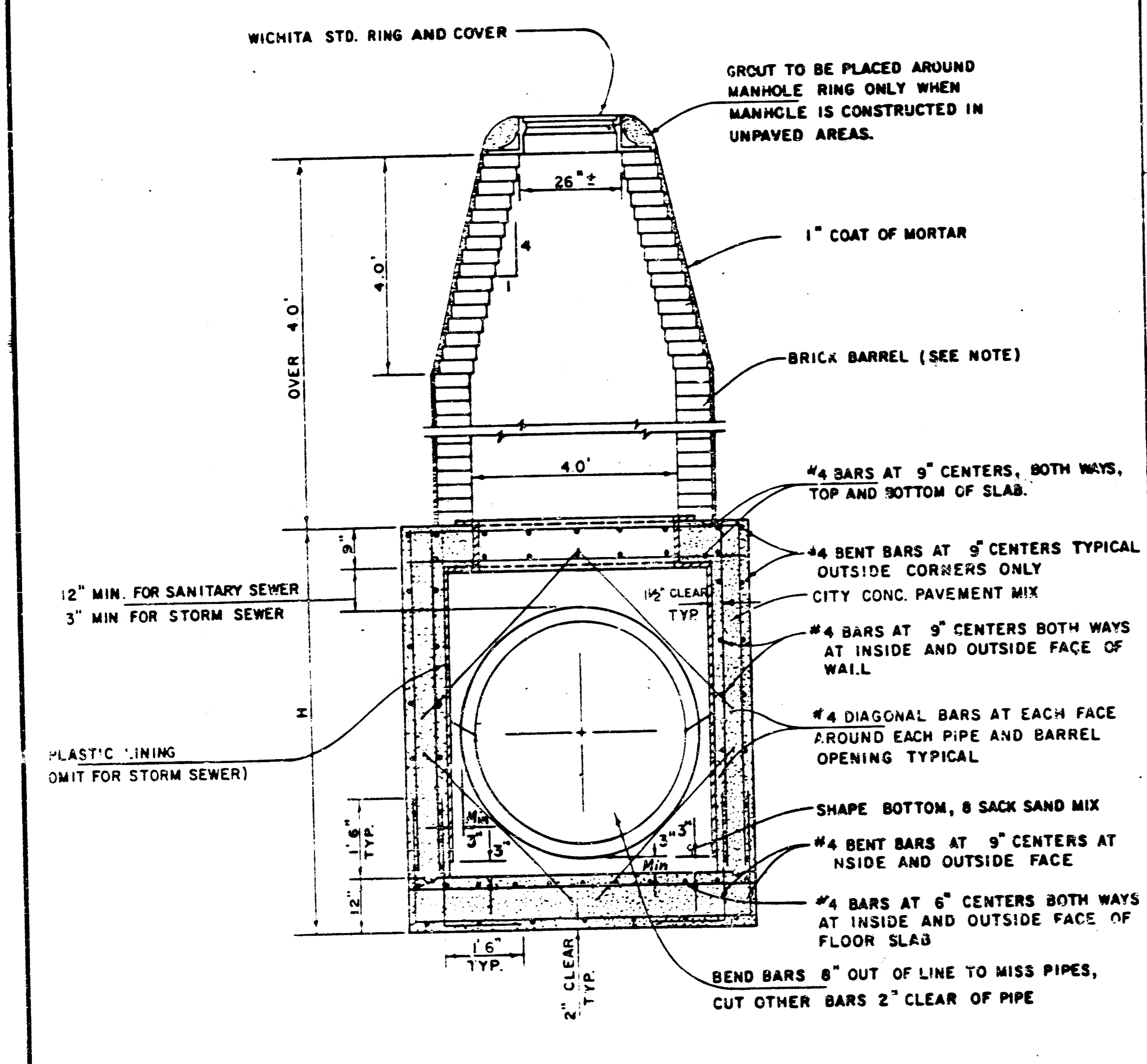
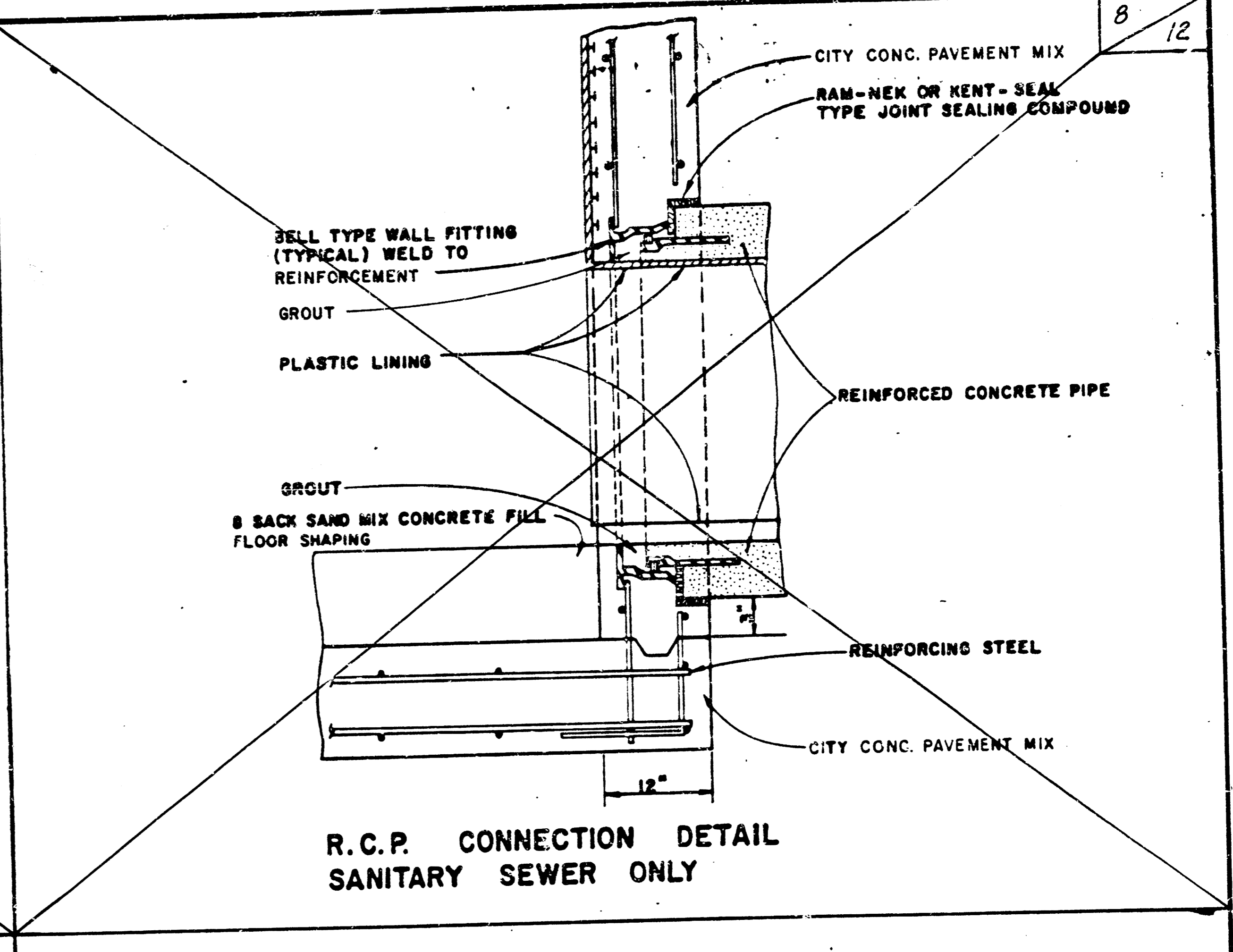
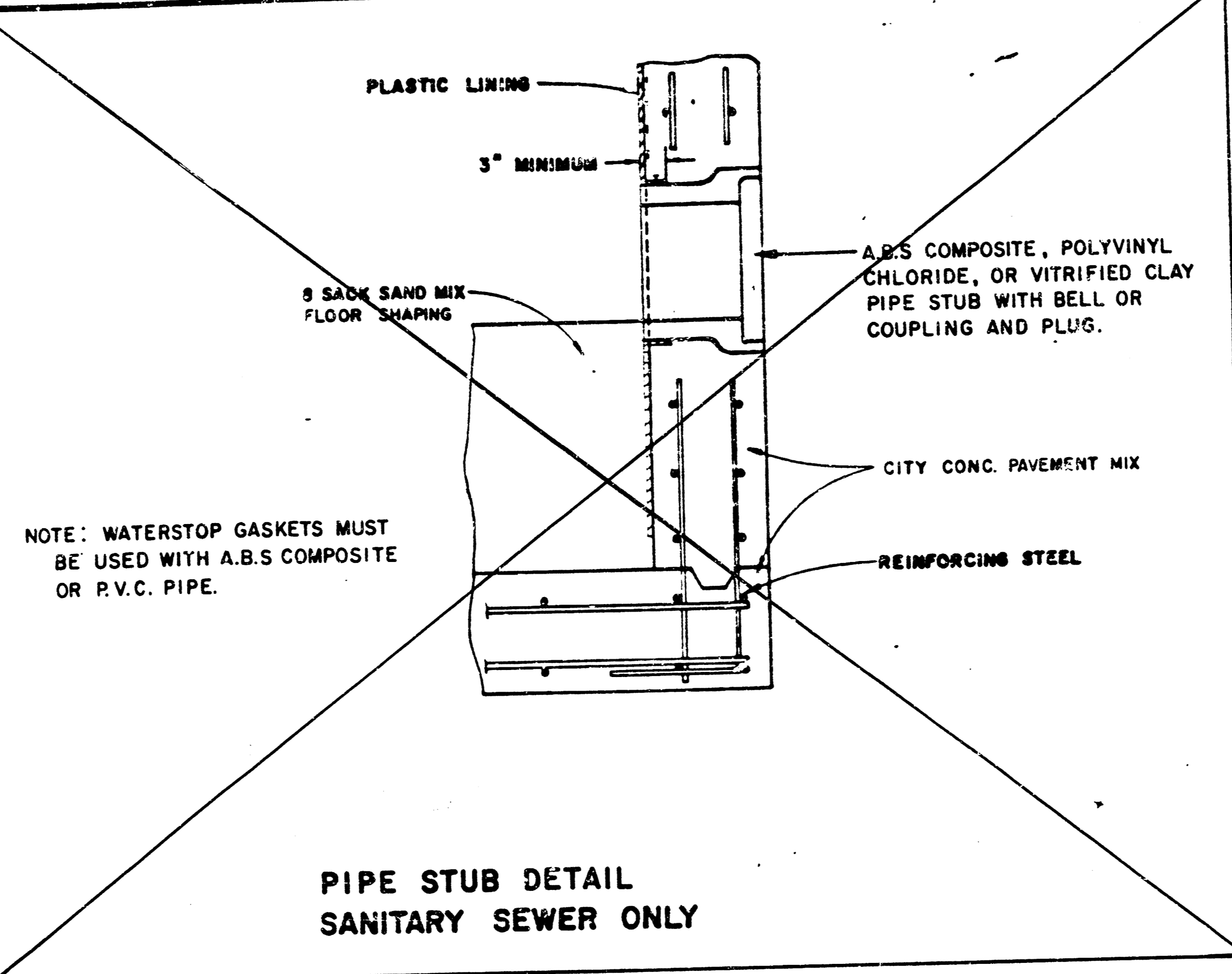
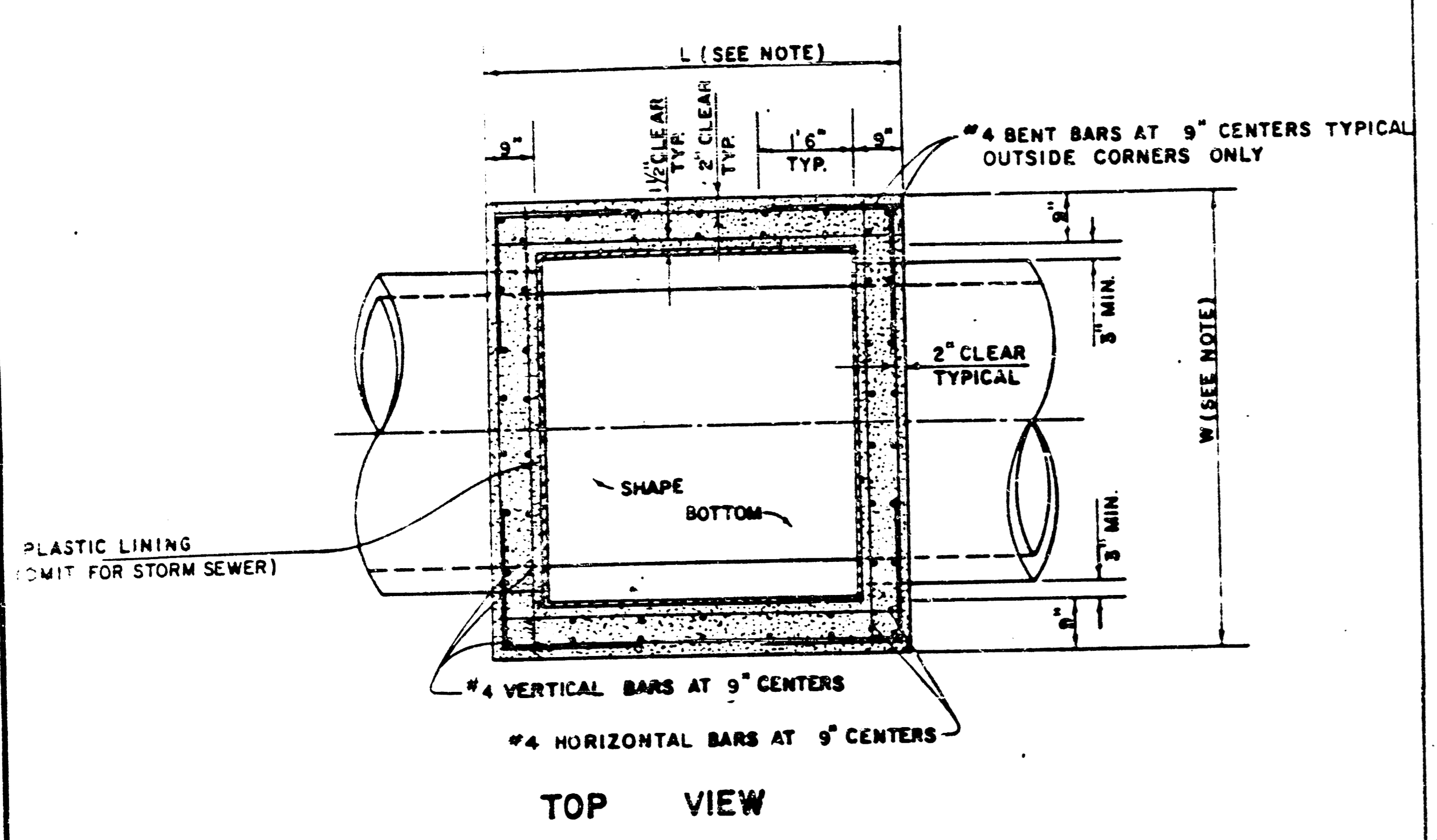
☁ Denotes revised items

NO.	REVISION	DATE	BY
1	Revised Pipe Size @ Sta. 7+00.9 to Sta. 7+80.9	9/12/88	CSB



AUTUMN RIDGE 2ND ADDITION
 STORM WATER SEWER NO. 368
S.W.S. IMPROVEMENTS
 STA. 5+00.0 TO STA. 7+00.9
 C.O.W. PROJECT NO. 488-16-245-81855-000-000-001

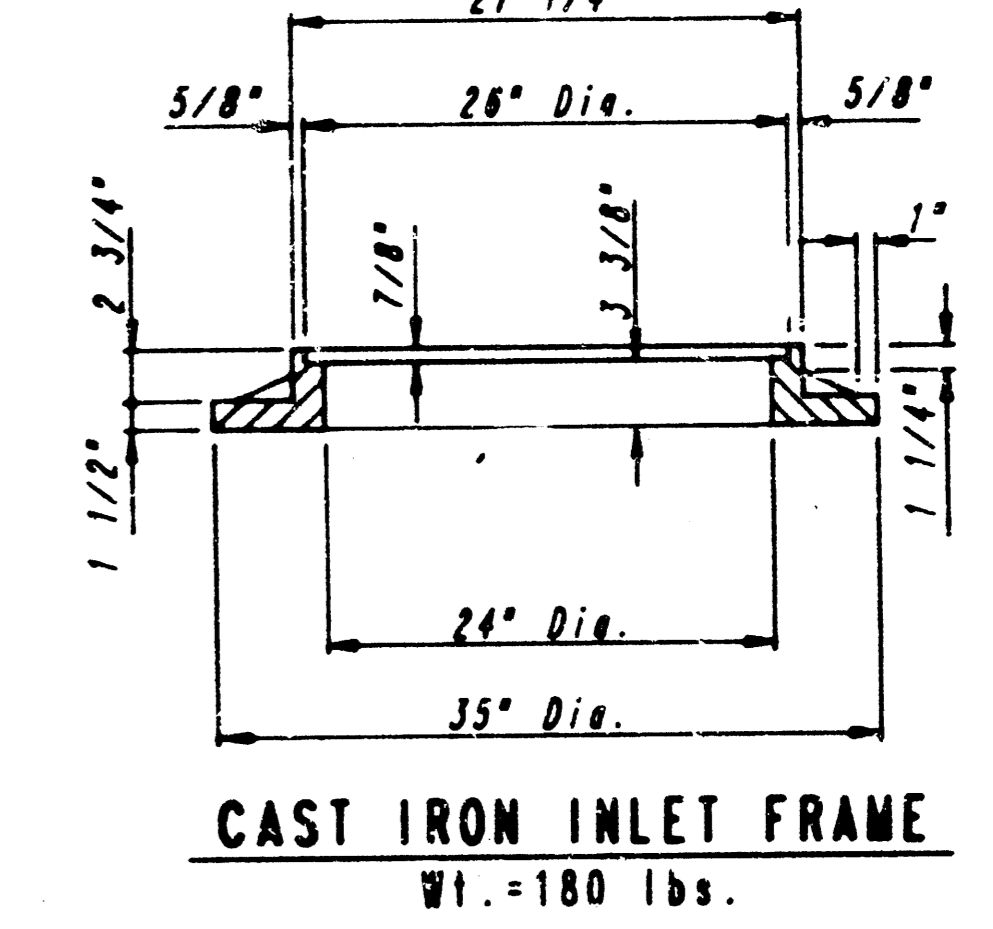
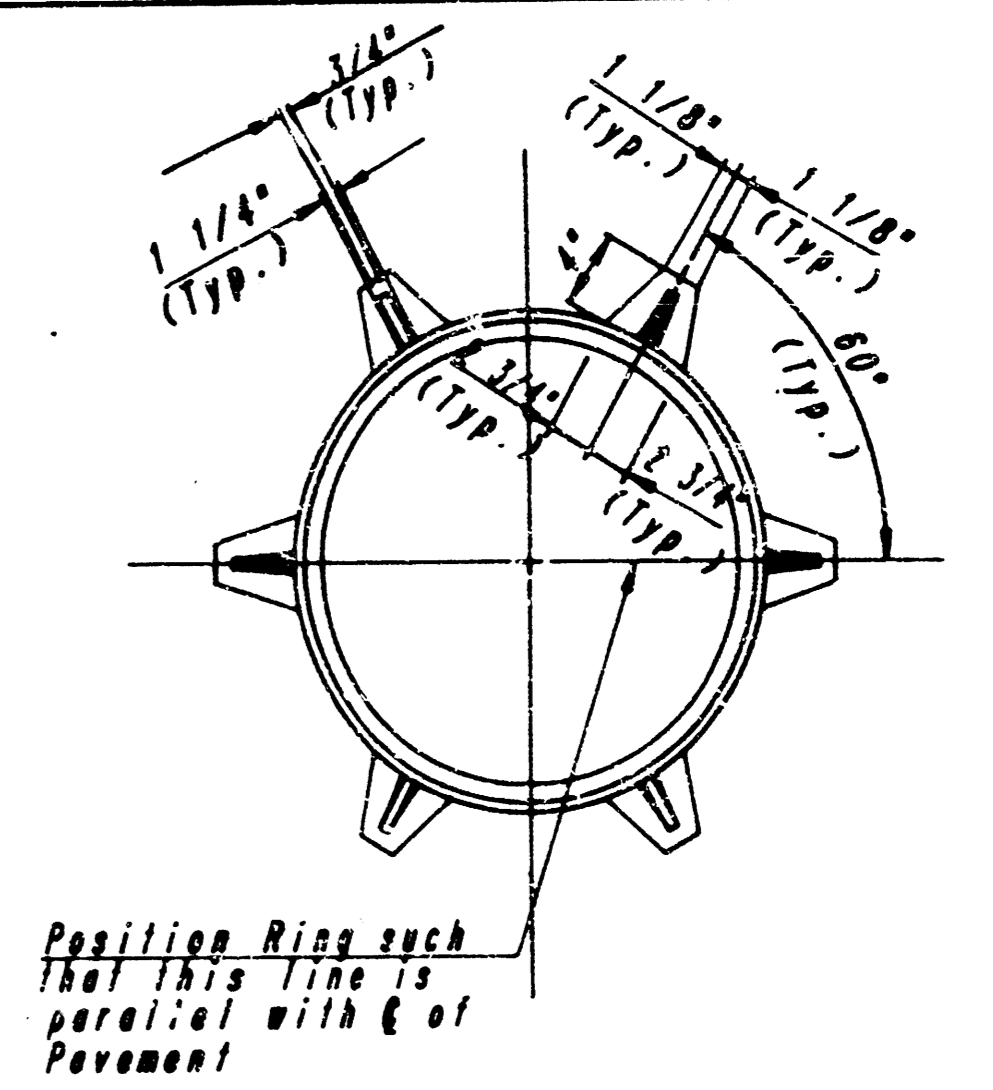
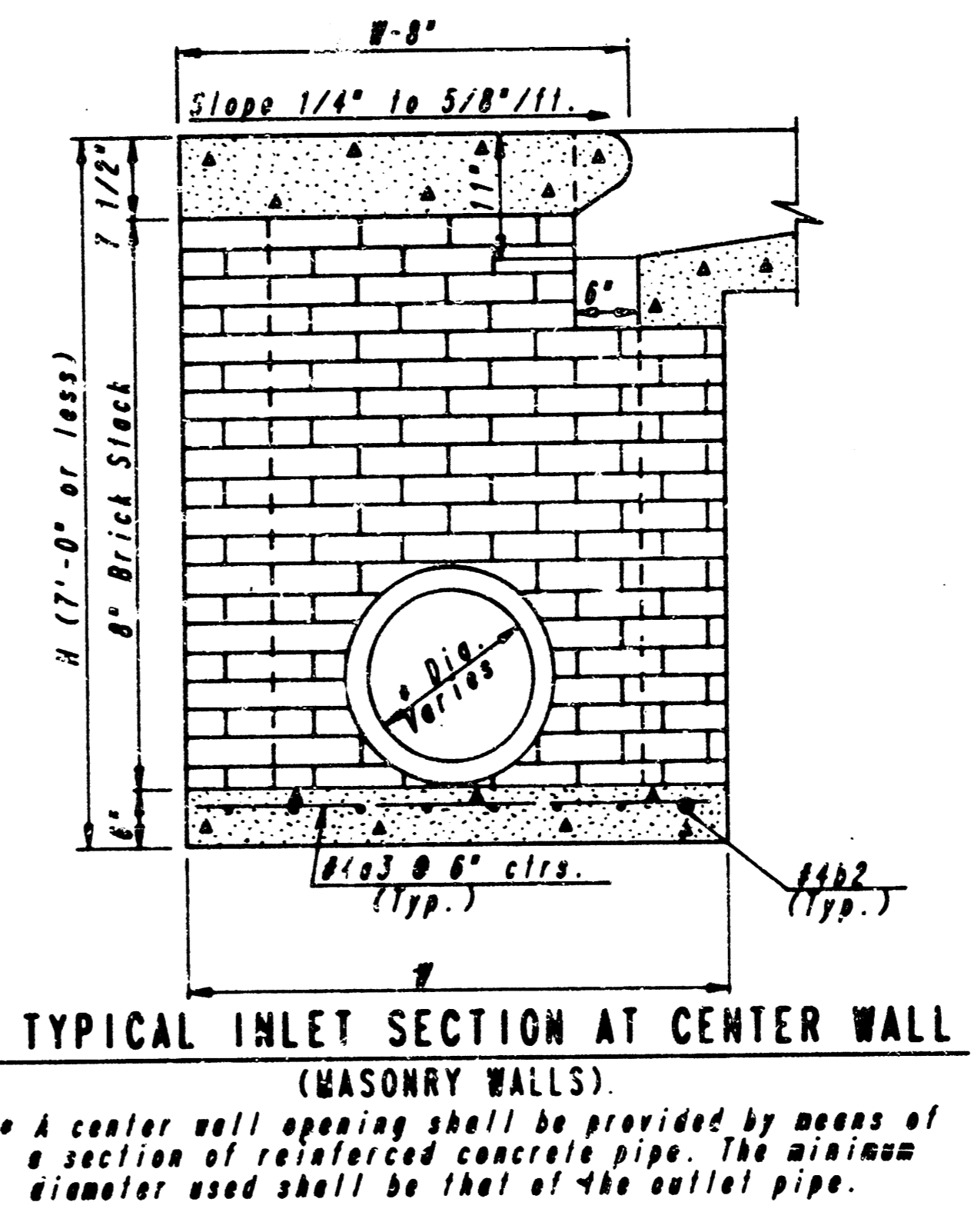
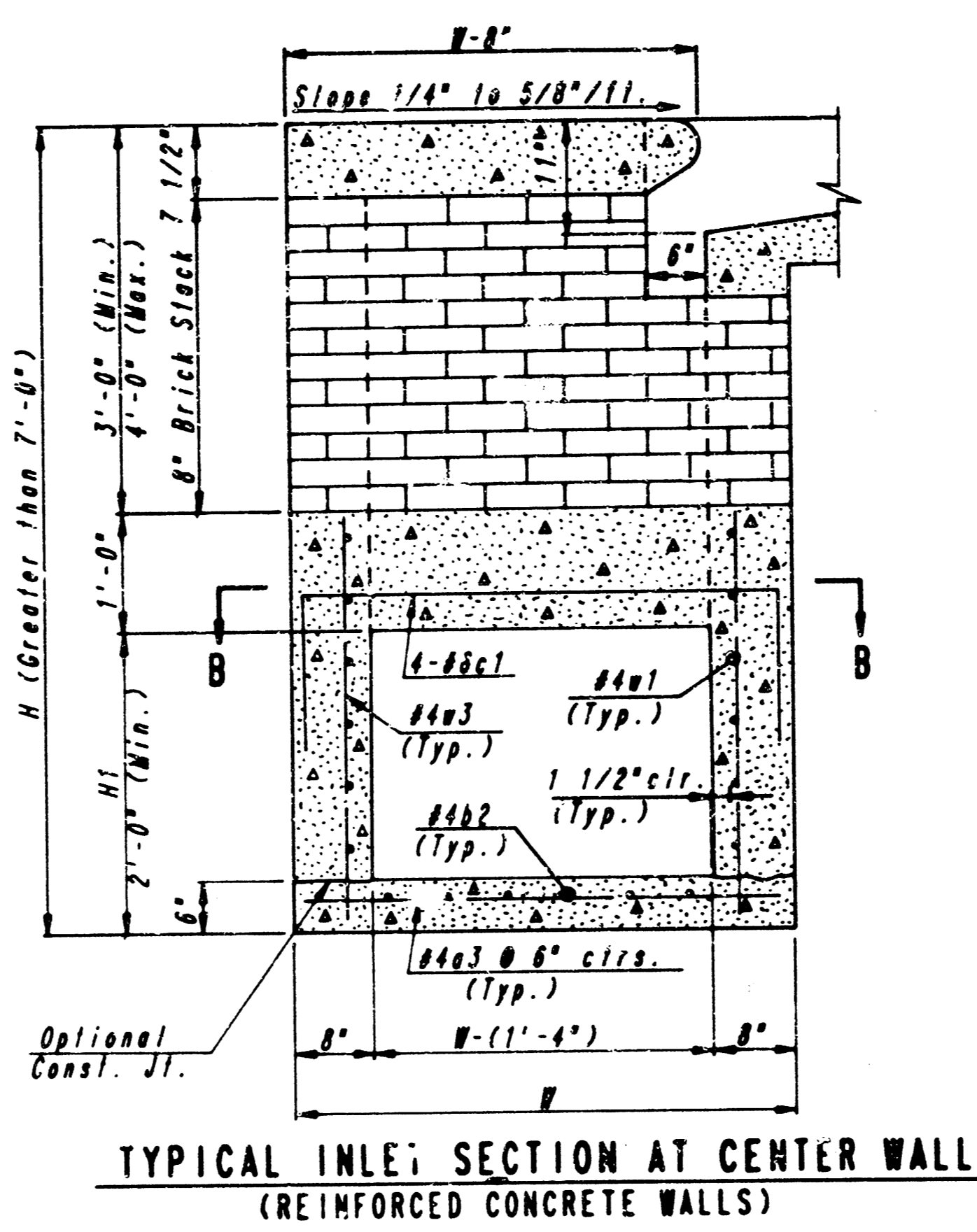
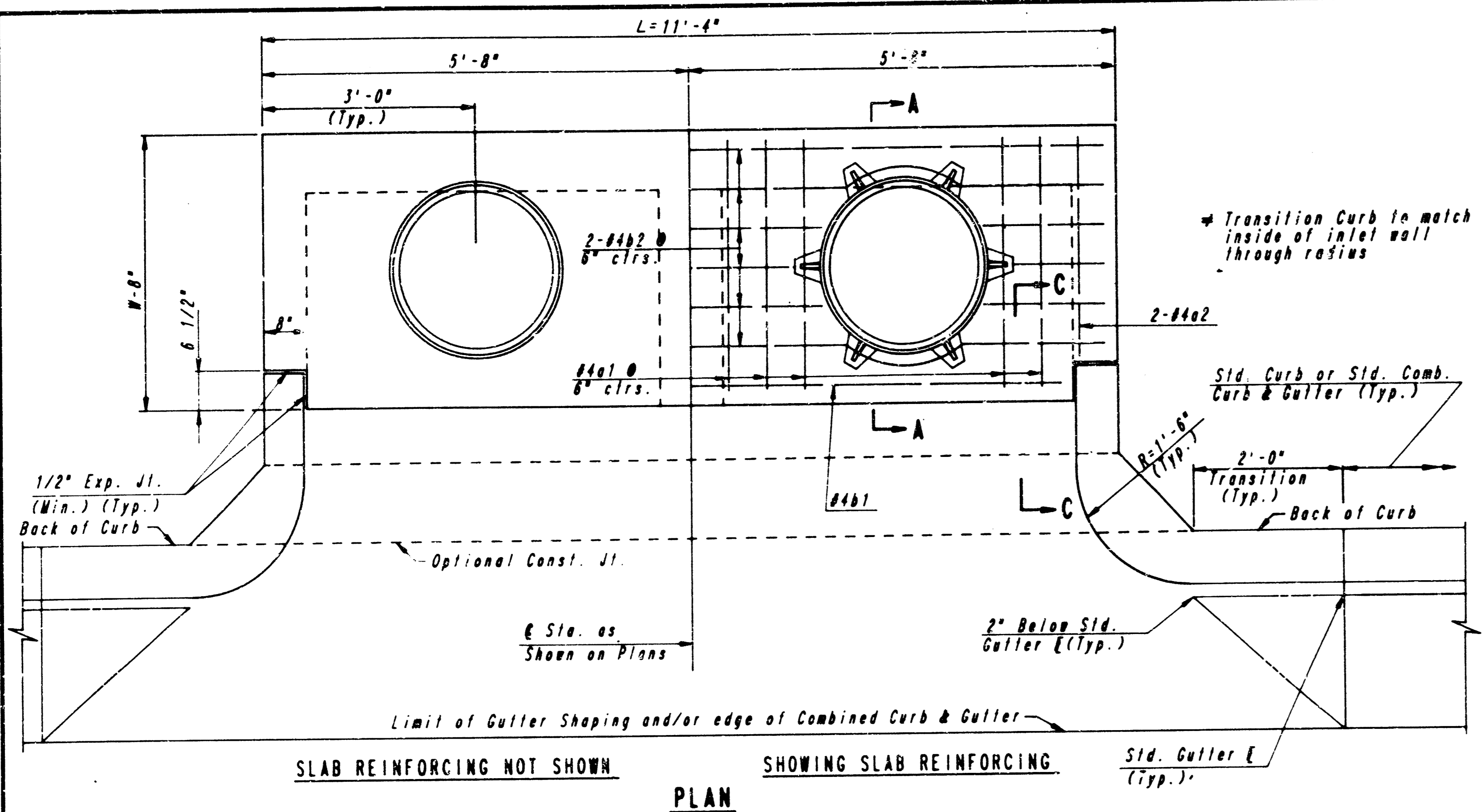
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS
 Designed By CSB, OPD
 Date JULY, 1988
 Drawn By DEF



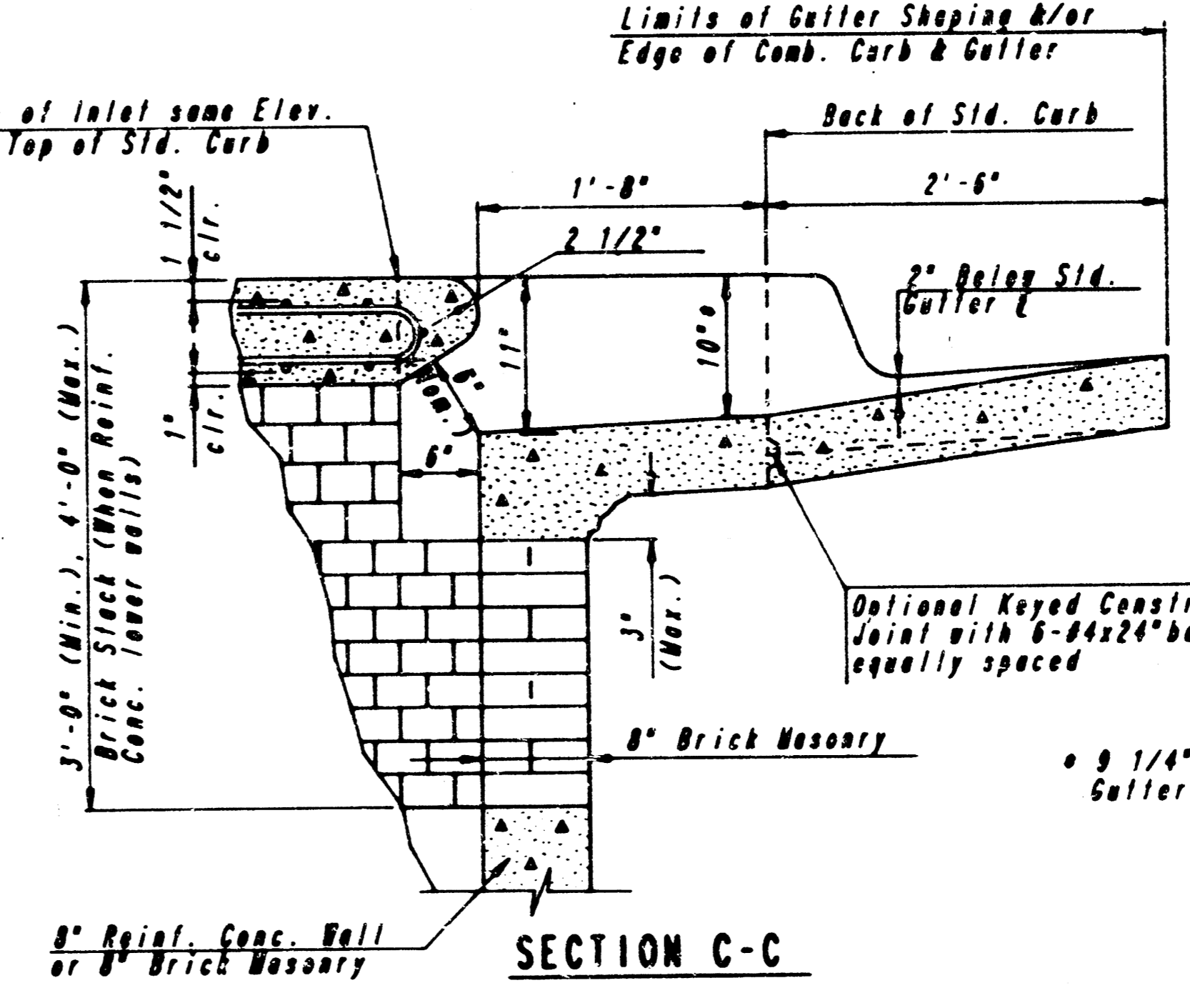
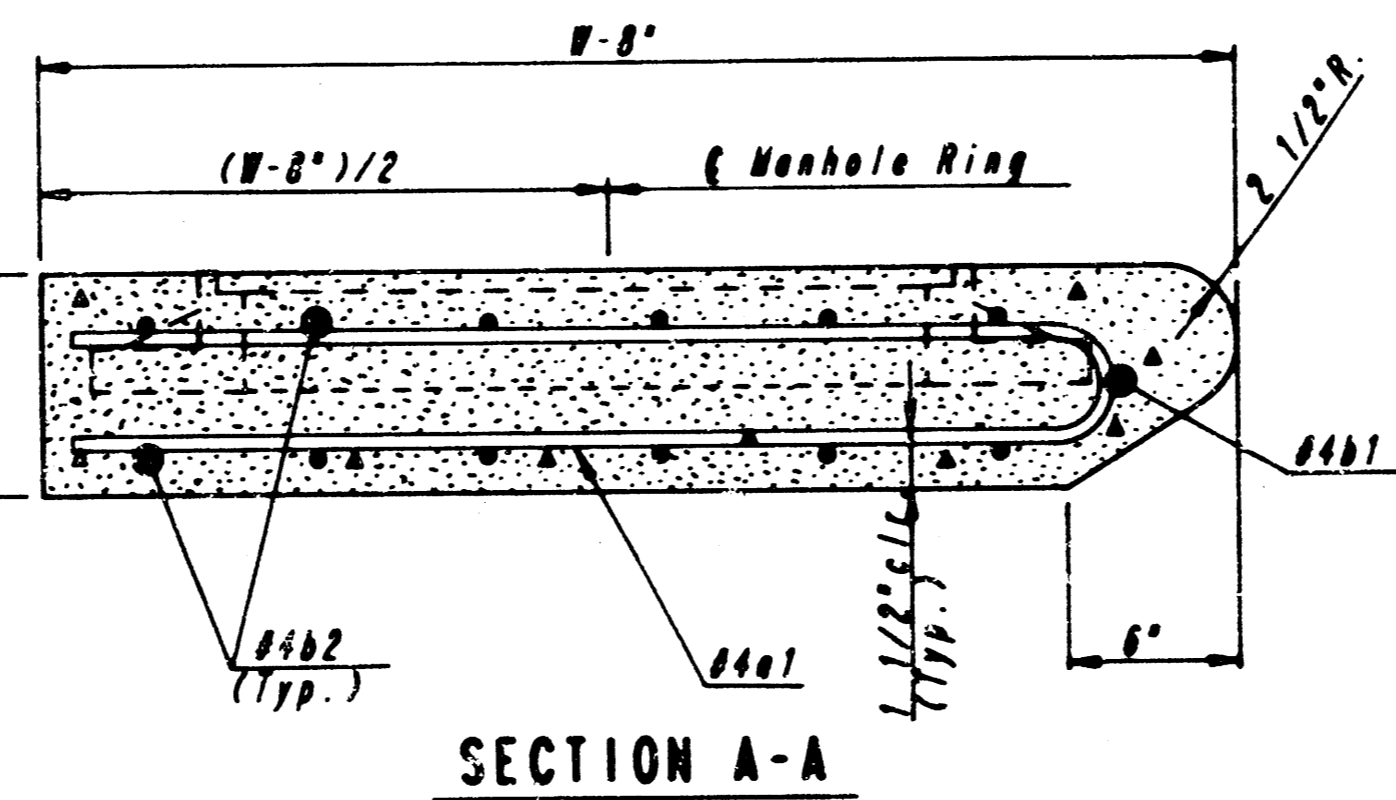
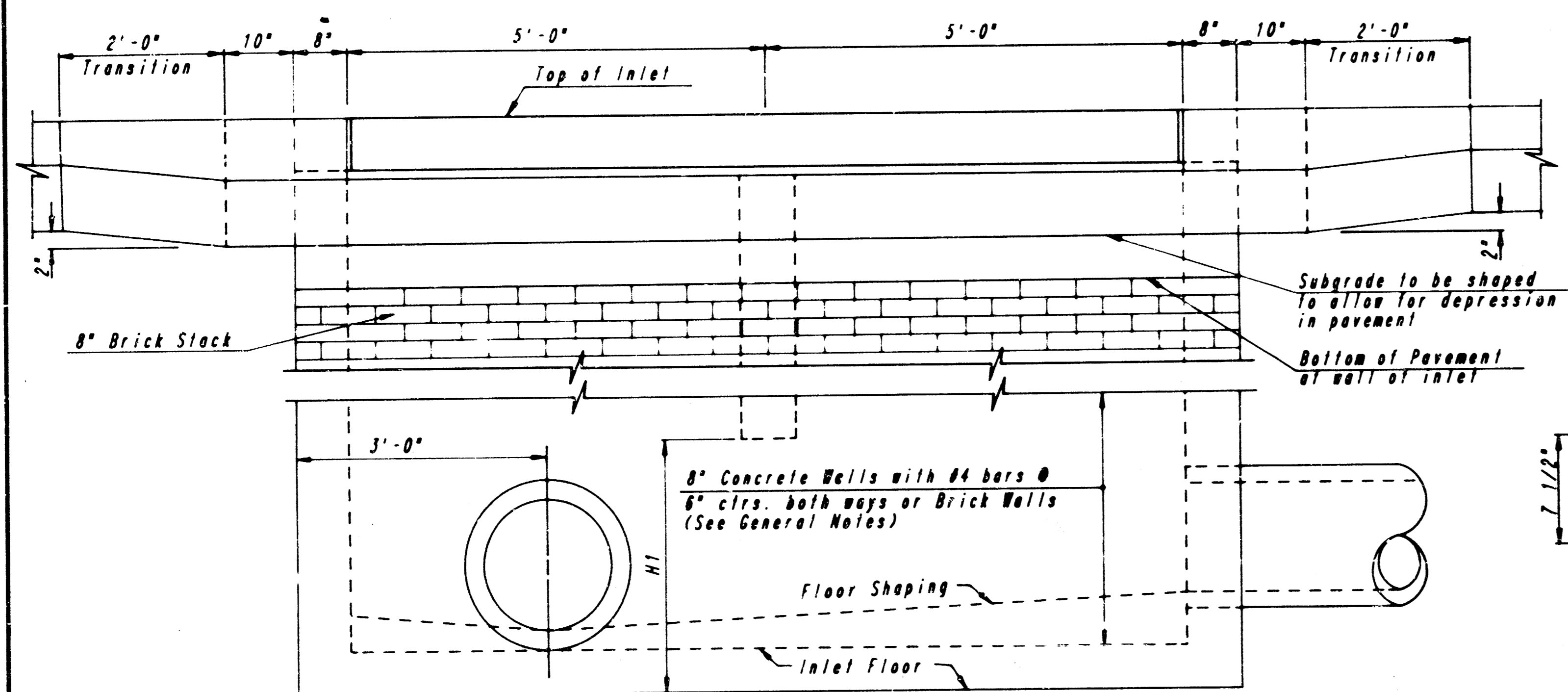
NOTE: BRICK BARRELS LESS THEN 16' DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12". BRICK BARRELS MORE THEN 16' DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK 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 Proj. No. 468-76-245-81885-000-000-001

STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA
FEBRUARY 1984



See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



GENERAL NOTES

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W=5'-0" OR LESS AND W=7'-0" OR LESS. WHEN W IS GREATER THAN 0'-0" AND W IS LESS THAN 1'-0", THE OUTSIDE WALLS BEHIND THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.

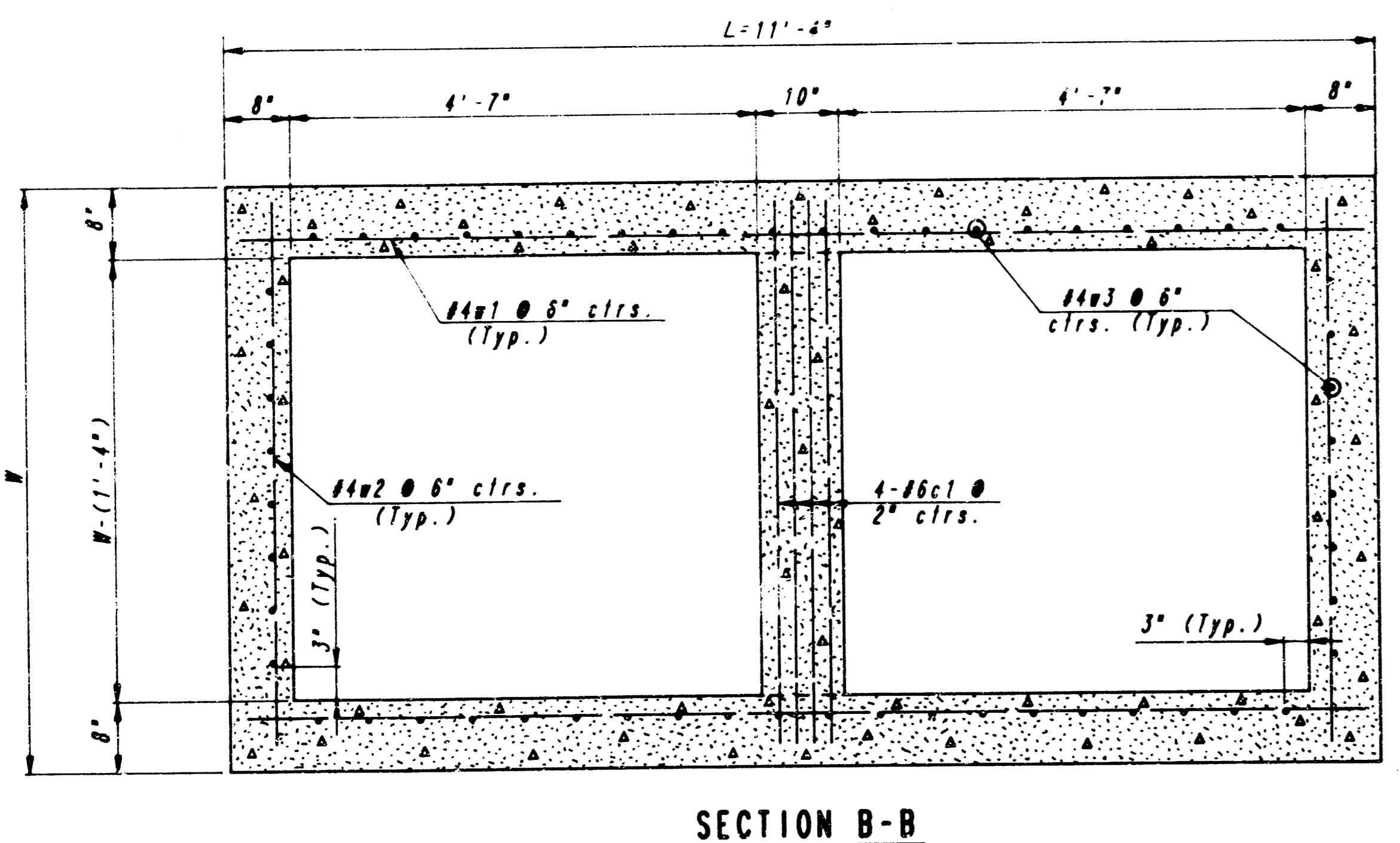
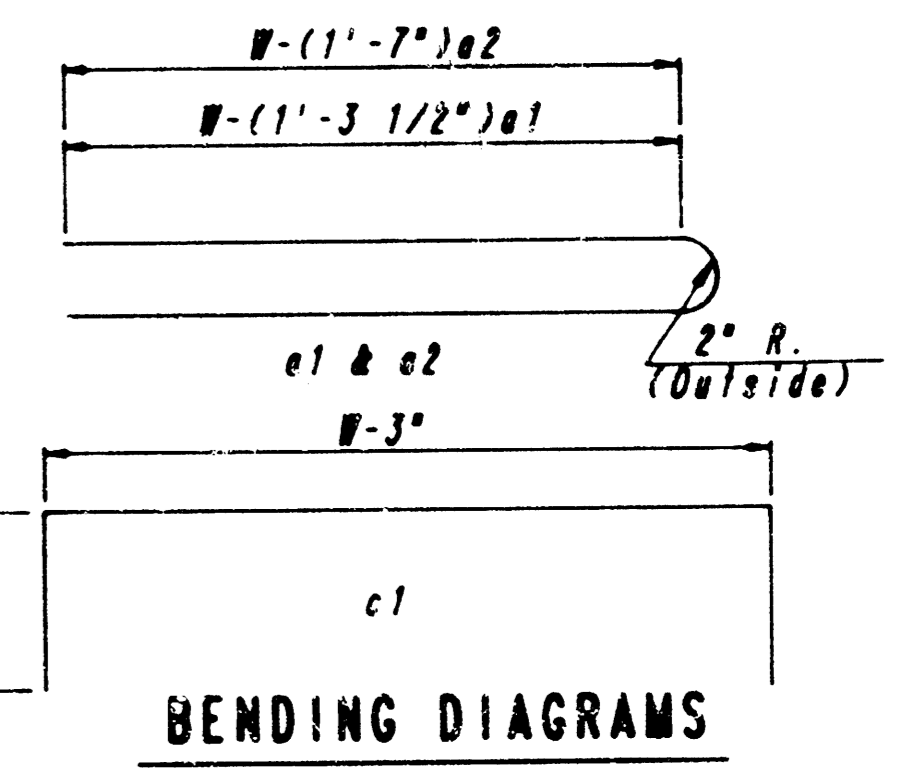
INLET TOP SHALL BE SHAPED WITH A SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

CONCRETE SHALL BE CITY OF WICHITA STANDARD PAVING MIX. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. INLET TOPS ARE TO BE PLACED ON A TRIM MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE PRECAST OR CAST IN PLACE. INLET TOPS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

UNLESS OTHERWISE NOTED, ALL BARS ARE #4 OR #6 MAX. CENTERS AND SHALL HAVE A MINIMUM CLEARANCE OF 1-1/2". BARS SHALL BE FIELD BENT OR CUT TO CLEAR MANHOLE RINGS AND PIPE OPENINGS.

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

ADDITIONAL CURB AND/OR CURB AND CUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR "INLET HOODUP".



SLAB AND FLOOR REINFORCING											
MARK	SIZE	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-7 1/4"	13	8'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING											
MARK	SIZE	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	7	11'-1"	7	11'-1"	7	11'-1"	7	11'-1"	7	11'-1"
w2	#4	7	4'-1"	7	5'-1"	7	6'-1"	7	7'-1"	7	8'-1"
w3	#4	7	7'-1"	7	7'-1"	7	7'-1"	7	7'-1"	7	7'-1"

* Field bend or cut Reinforcing as required for clearance
 ① 4(HI-6")x4 (HI-6") Rounded down to nearest 0.5'
 ② 40x4(W-16") ③ HI-6"

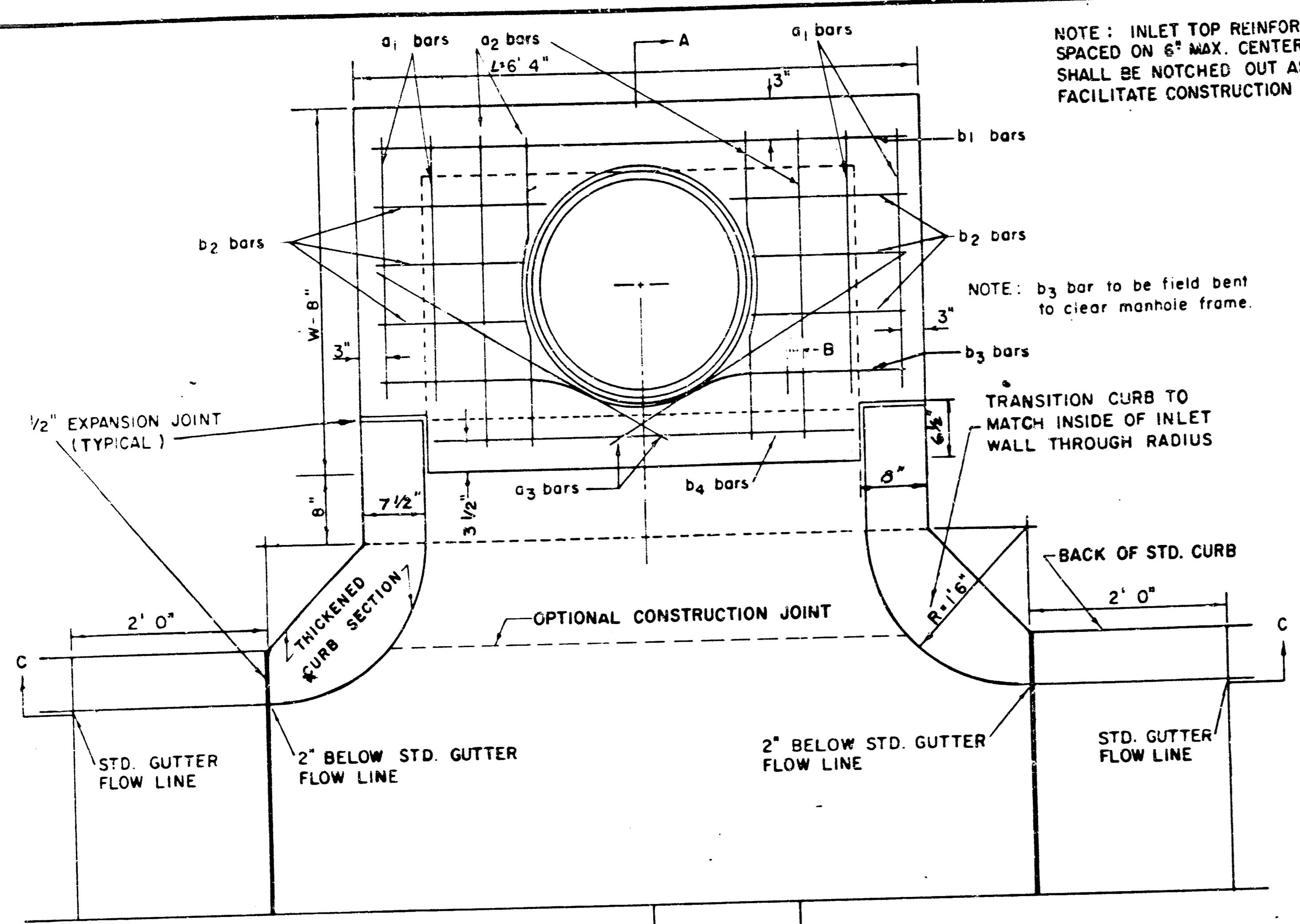
CITY OF WICHITA, KANSAS

DETAIL STANDARD TYPE IA CURB INLET
 INLET OPENING - 6'x10'-0" (L=11'-4")

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS

9/12

Designed by: _____
 Drawn by: _____
 Checked by: _____
 Date: _____
 Job No. _____



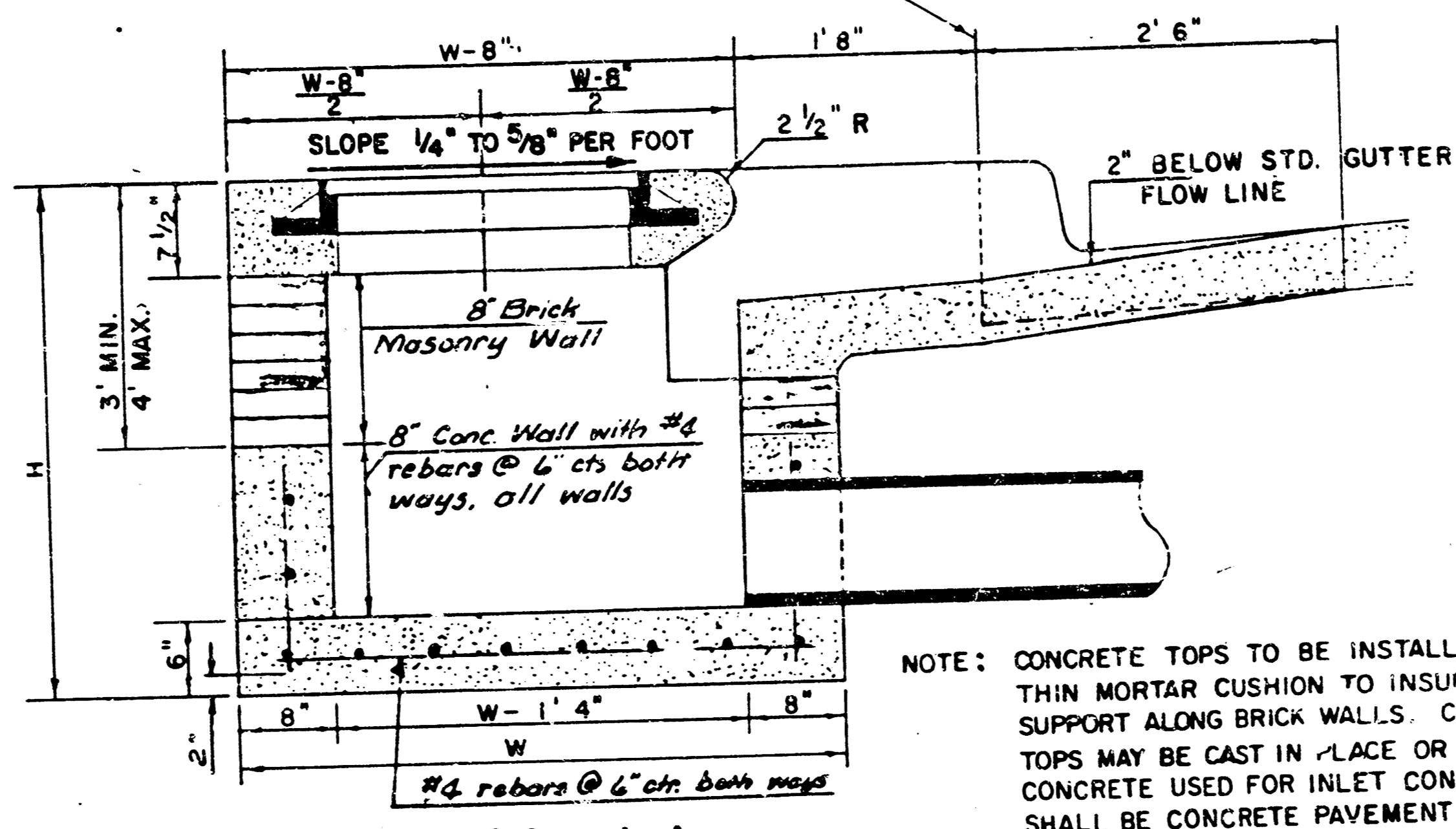
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS

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

PLAN



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 USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

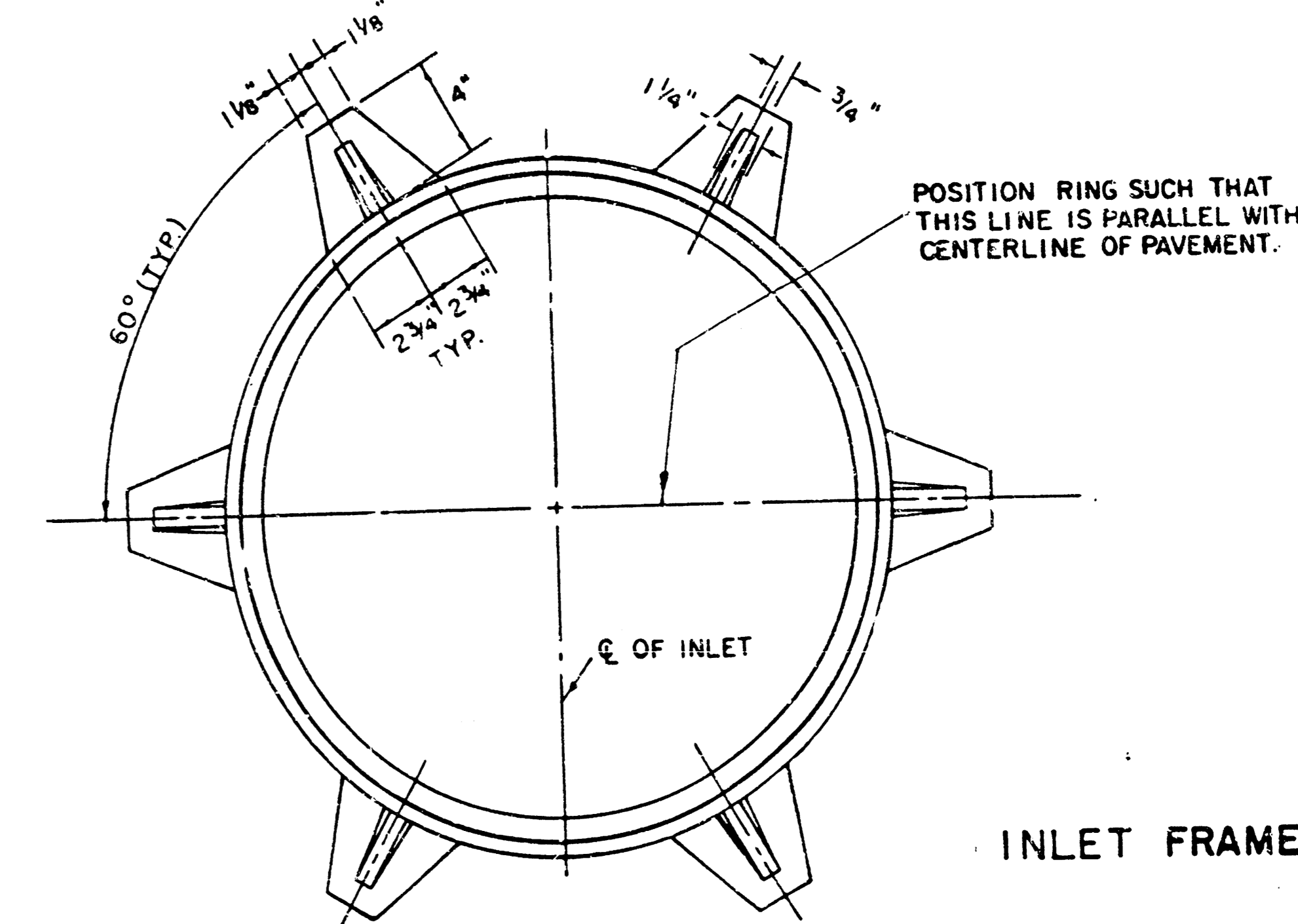
SECTION A-A

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6' 4" AND H = 7' 0" OR LESS.

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

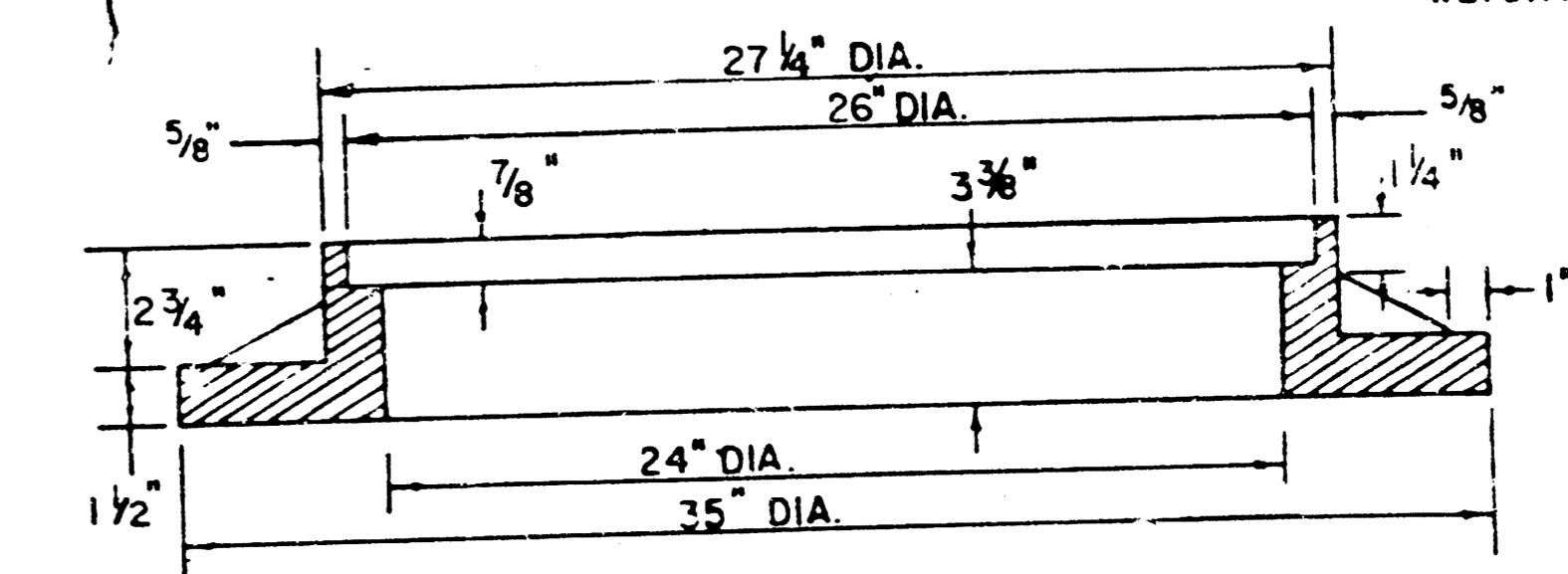
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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



INLET FRAME

WEIGHT = 180 LBS.



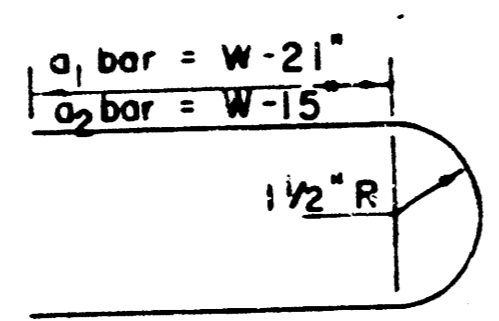
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

STEEL SCHEDULE

BAR	a1	a2	a3	b1	b2	b3	b4	WT. LBS
NUMBER	4	4	2	1	3	5	7	9
SIZE	#4	#4	#4	#4	#4	#4	#4	#4
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	1'9"
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	1'9"
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	1'9"
W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-	1'9"
W=8'4"	13'7"	14'7"	8'0"	6'1"	1'9"	6'2"	4'8"	141±

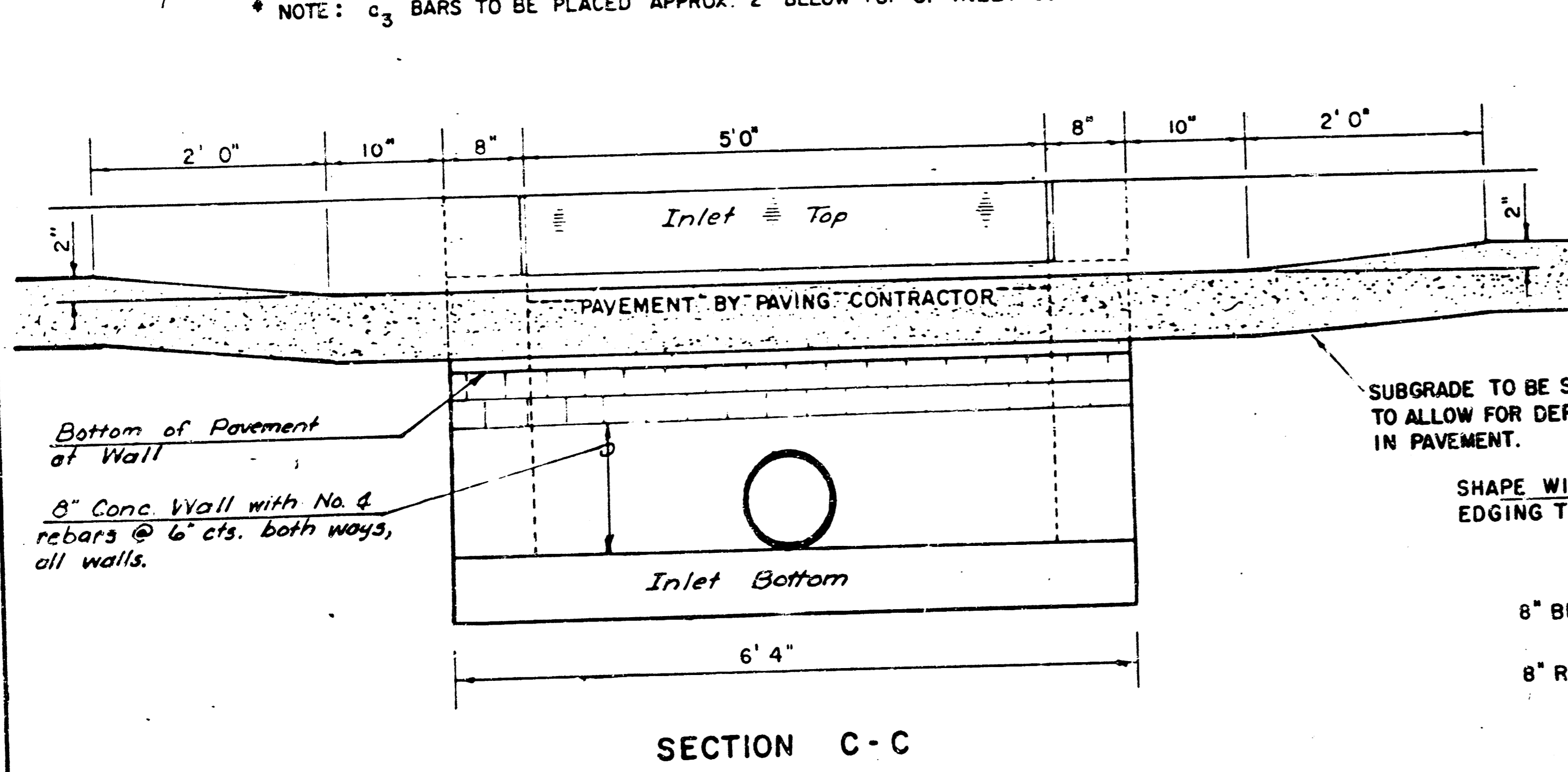
* NOTE: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

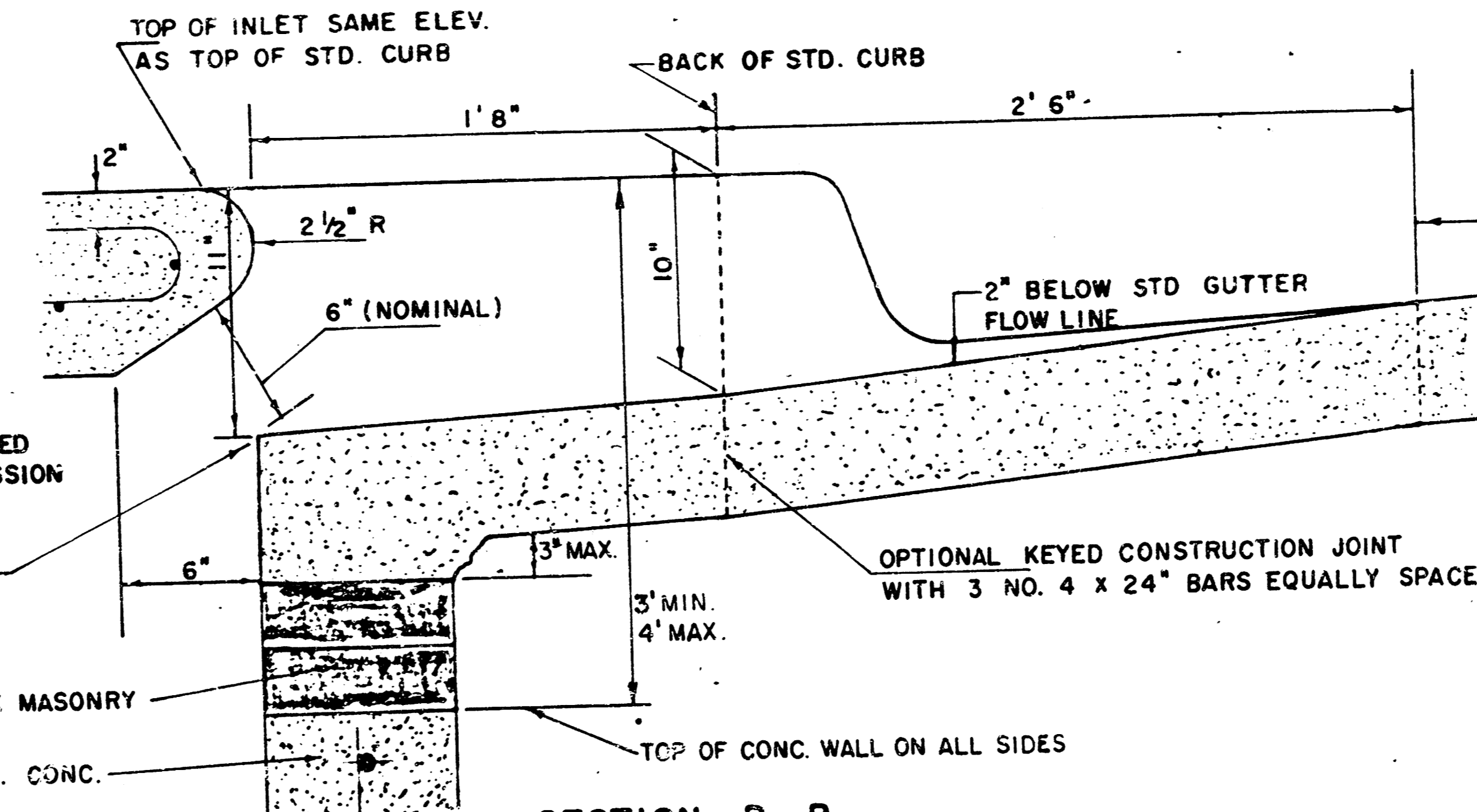


STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3' 8" x 6' 4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4' 8" x 6' 4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5' 8" x 6' 4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6' 8" x 6' 4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7' 8" x 6' 4" x 7 1/2"	60" & 66"	0.90 ±



SECTION C-C



SECTION B-B

LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

REVISED 12-21-1984 Proj. No. 468-76-245-81855-000-000-001

DETAIL STANDARD TYPE IA CURB INLET
 CITY OF WICHITA, KANSAS
 INLET OPENING = 6" x 5' 0"
 (L=6'-4")
 JUNE 1984

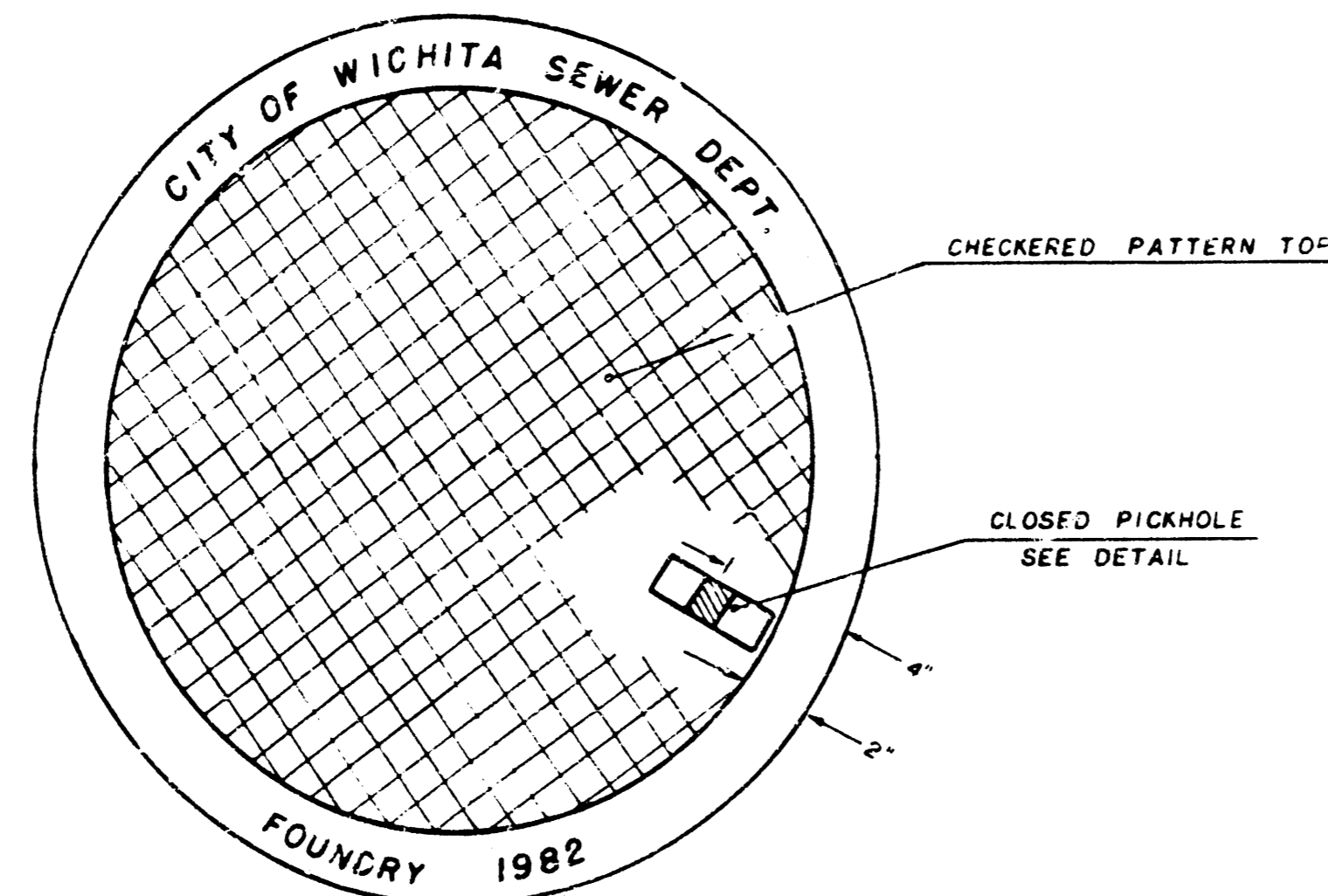
MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN

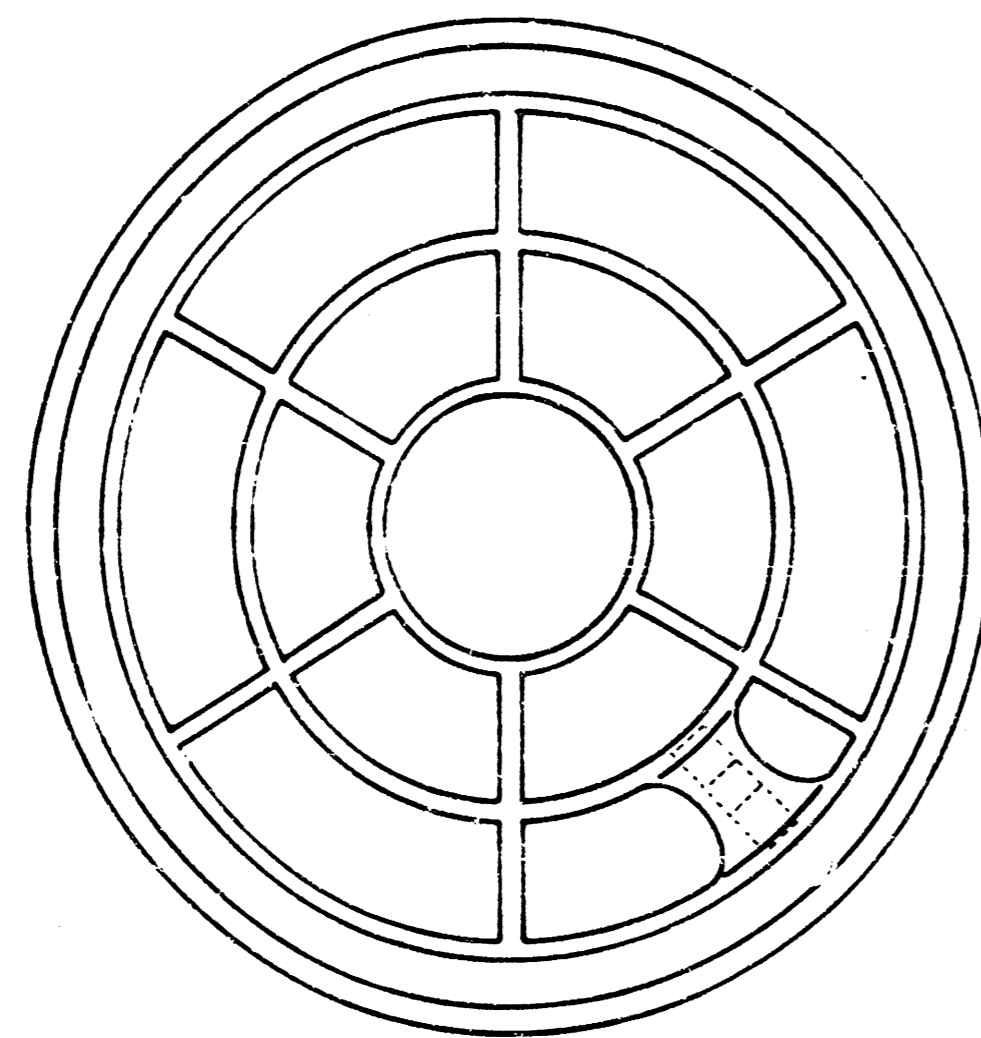
BY

City of Wichita, Kansas

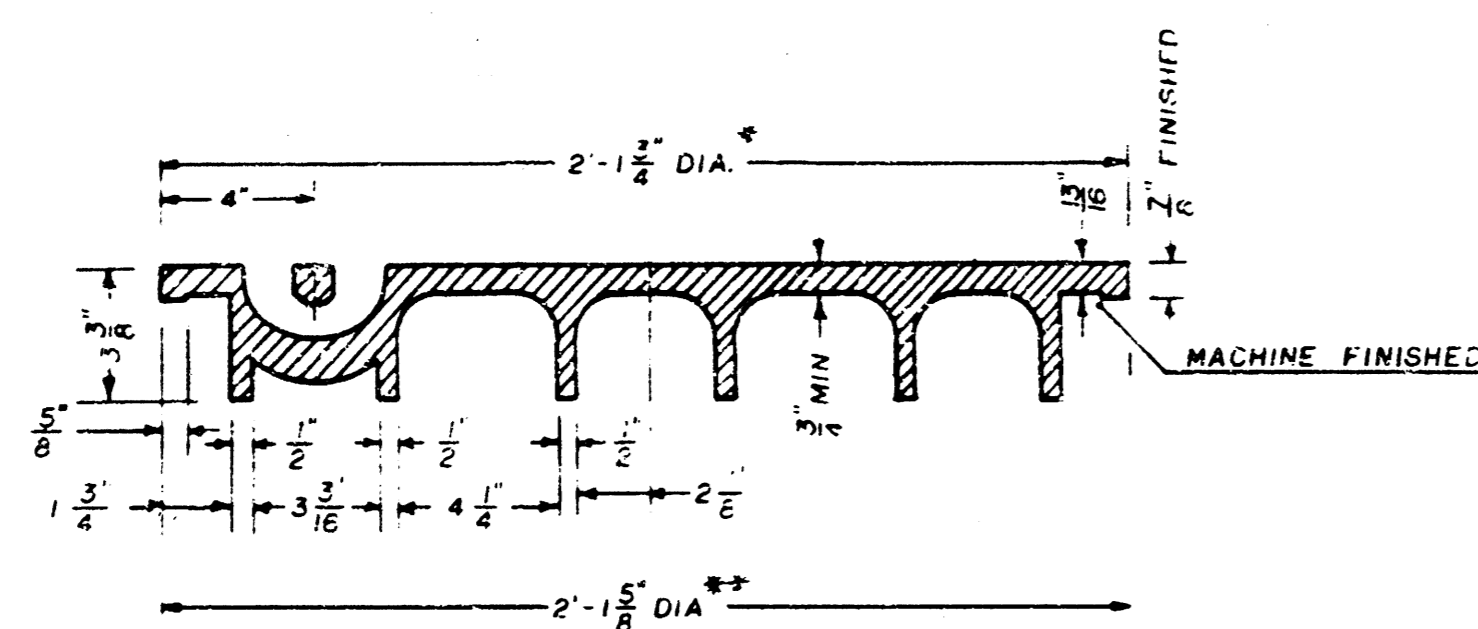
MANHOLE COVER
Weight: 180 Lbs.



TOP VIEW



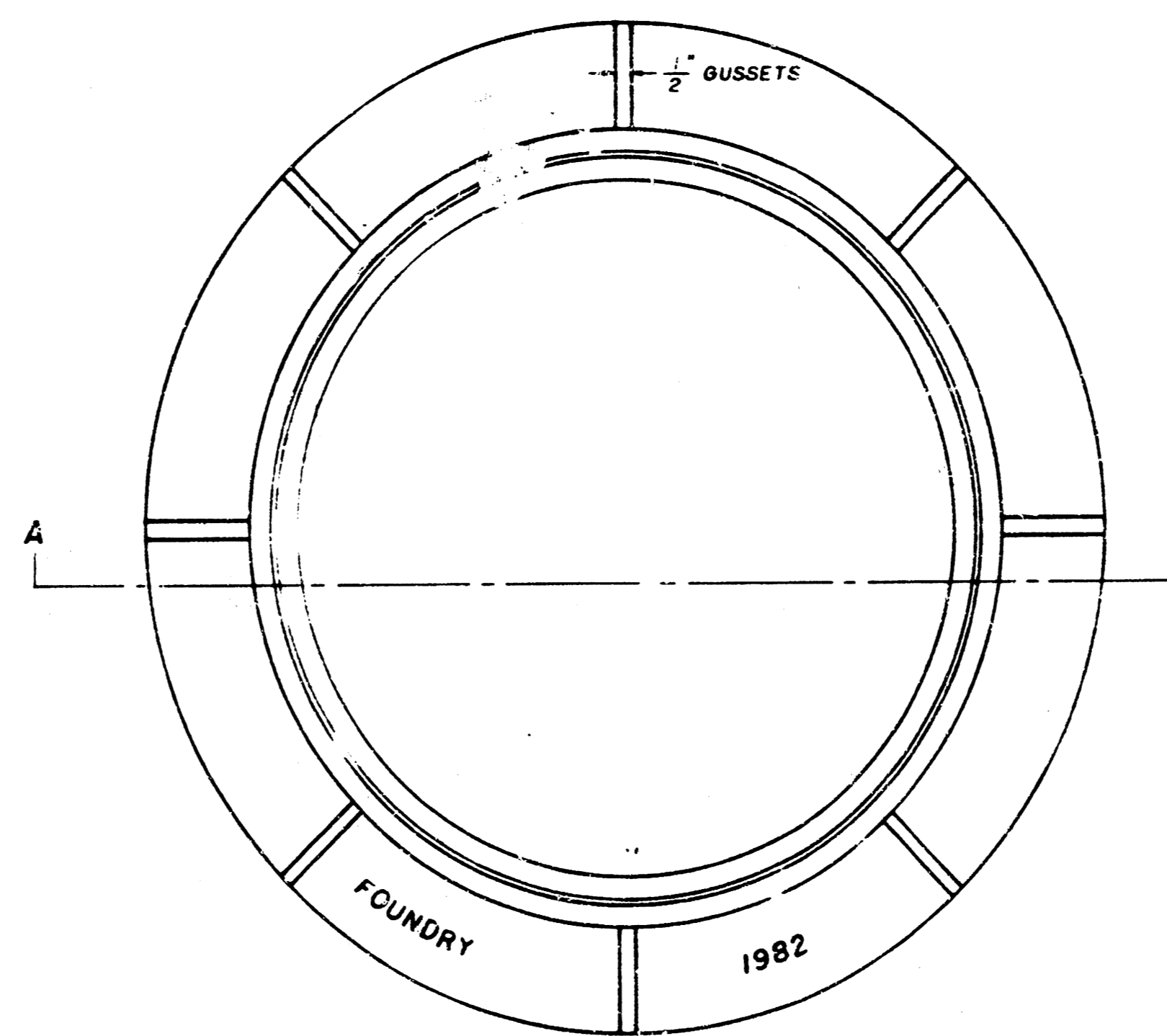
BOTTOM VIEW



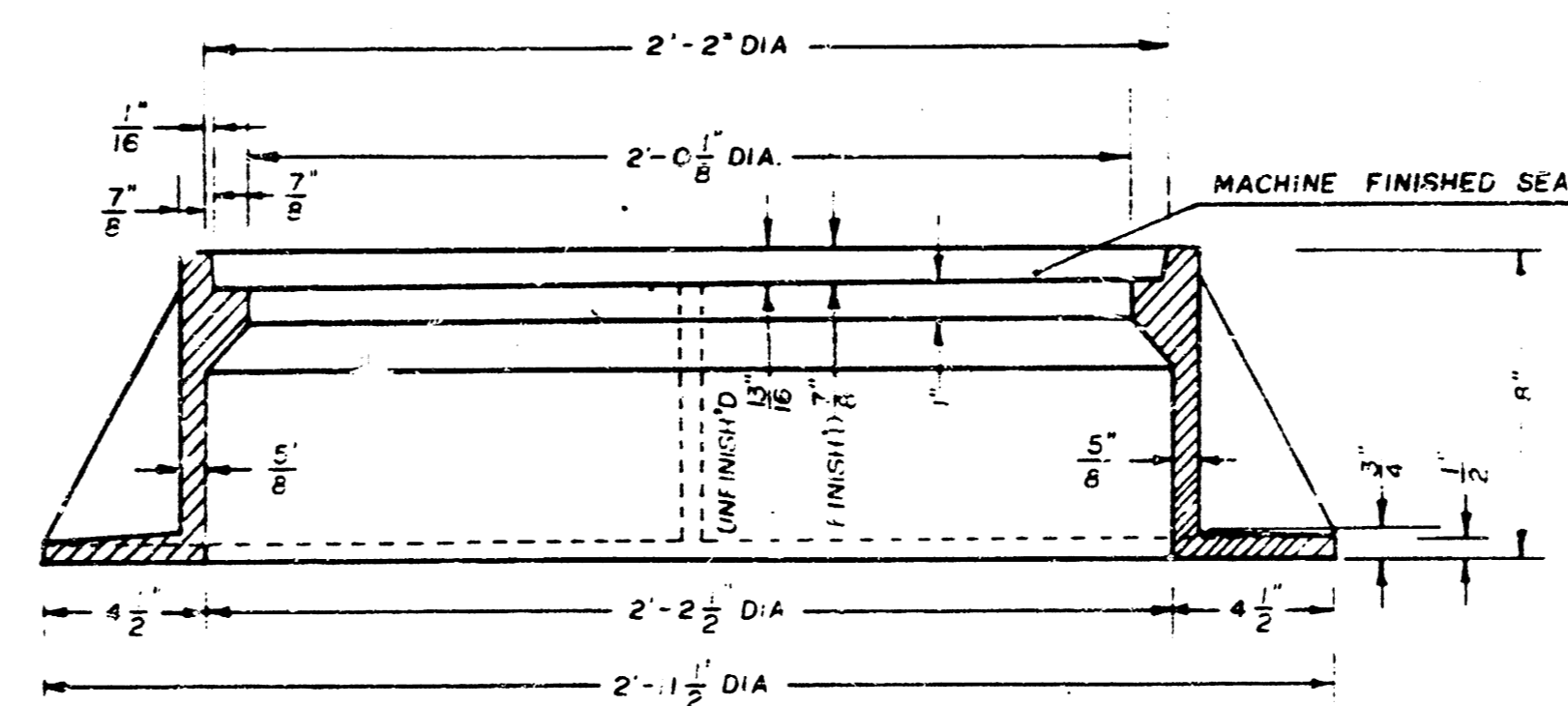
SECTION VIEW

* OUTSIDE DIA. TOP OF COVER
** OUTSIDE DIA. BOTTOM OF COVER

MANHOLE FRAME
Weight: 240 Lbs.

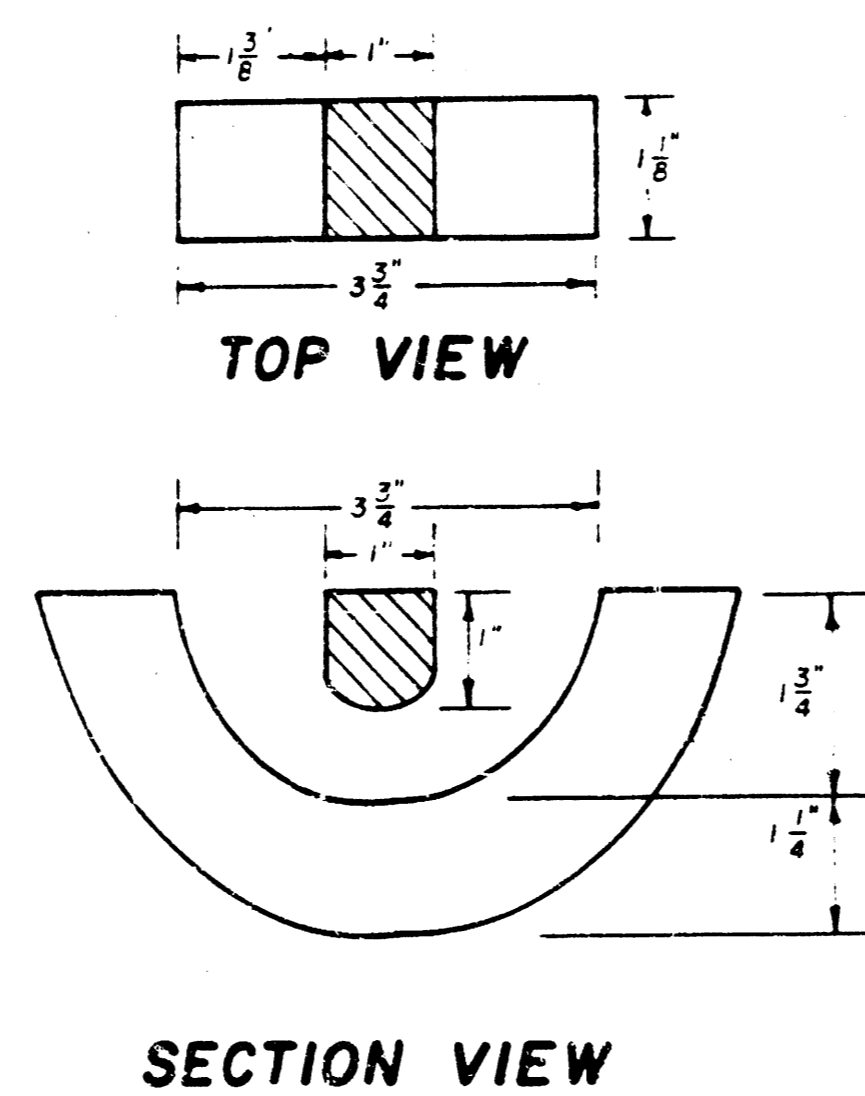


TOP VIEW



SECTION A-A

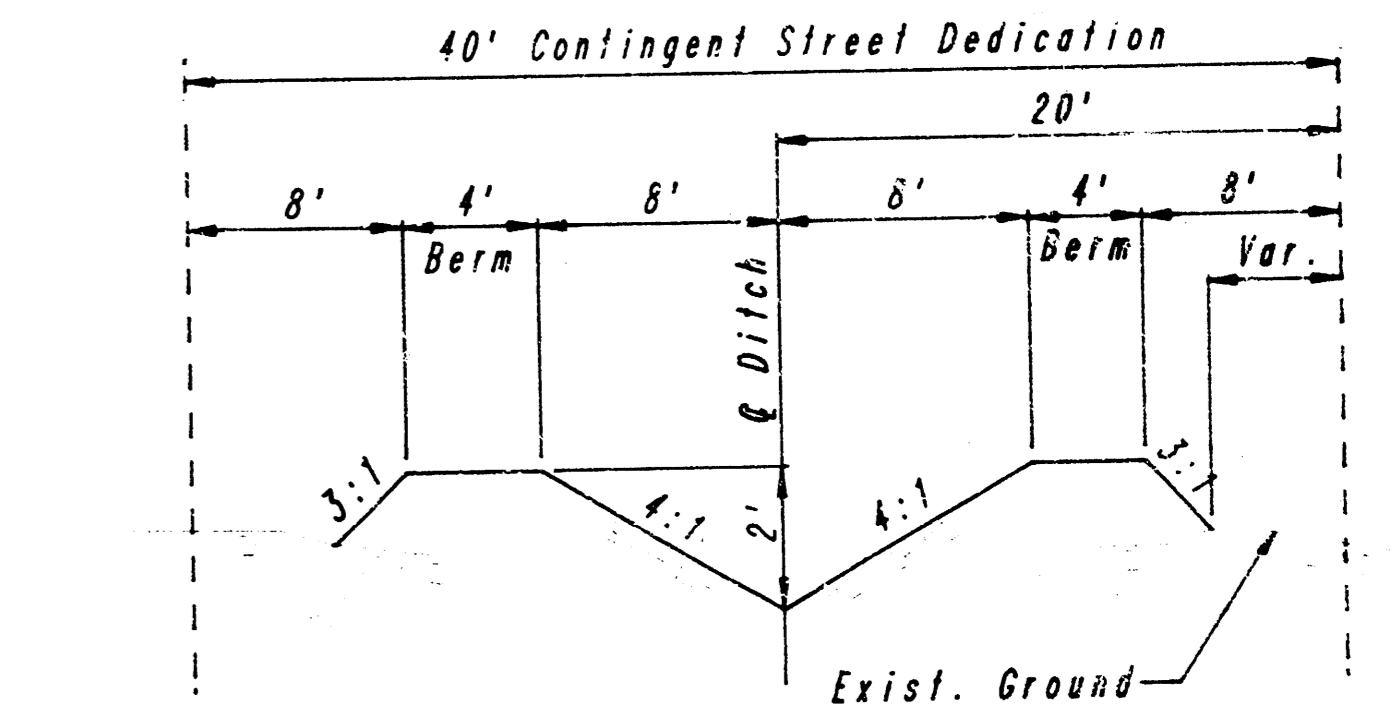
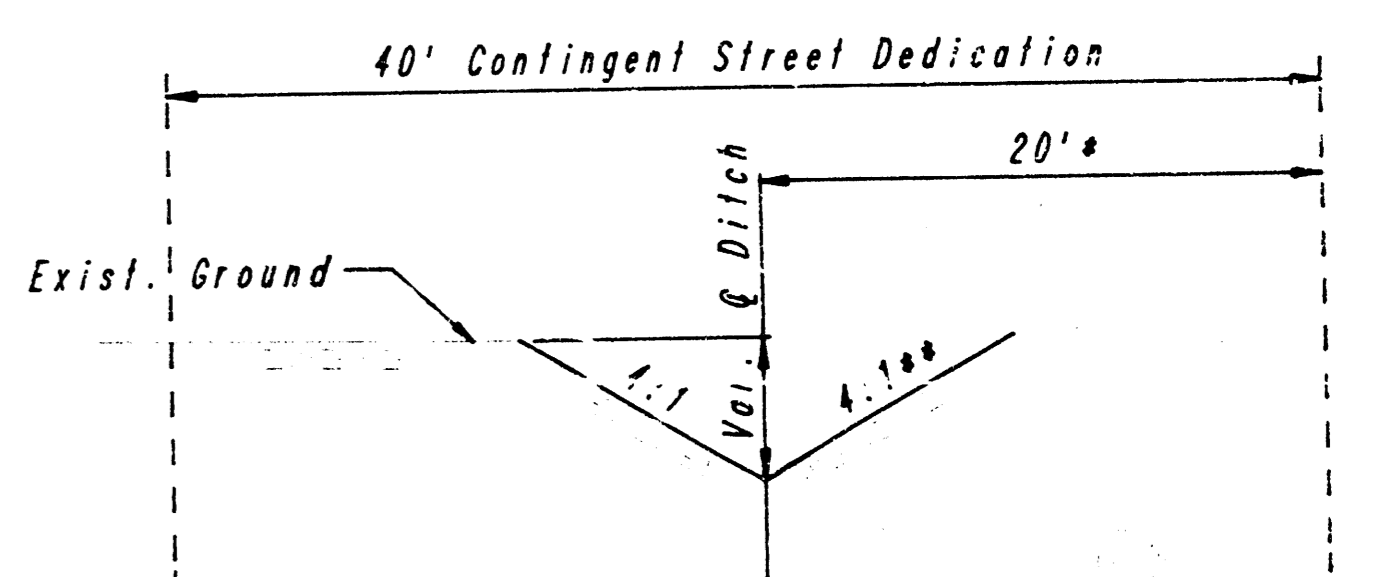
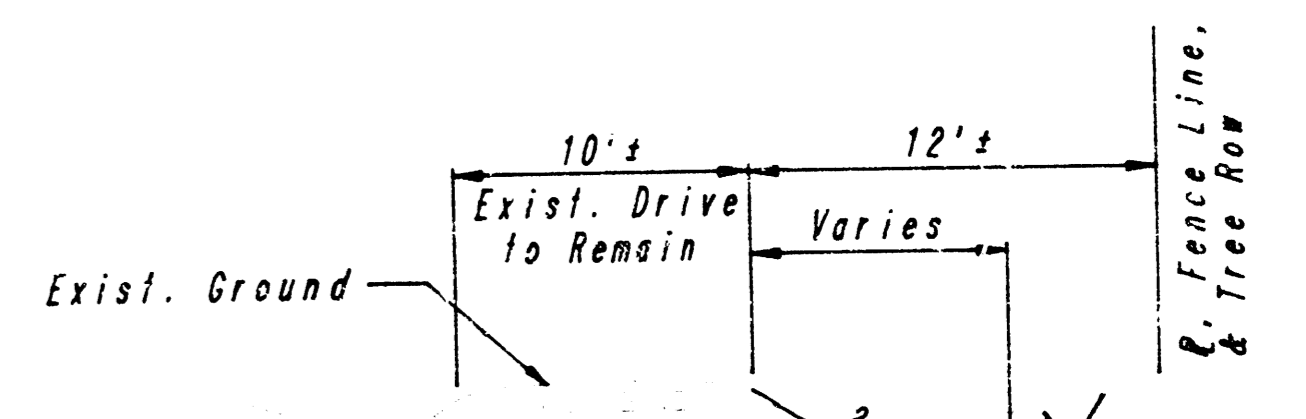
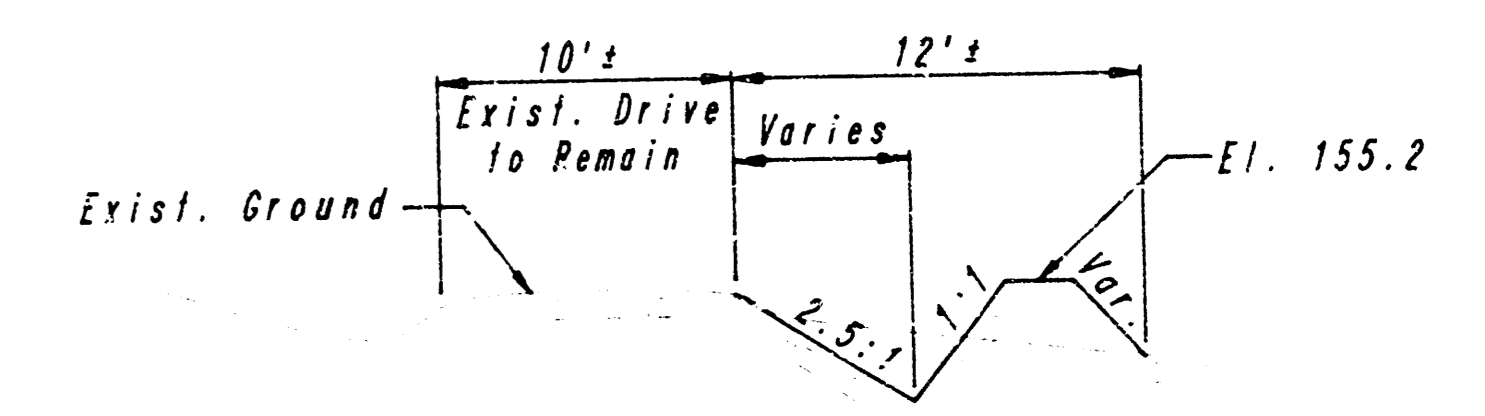
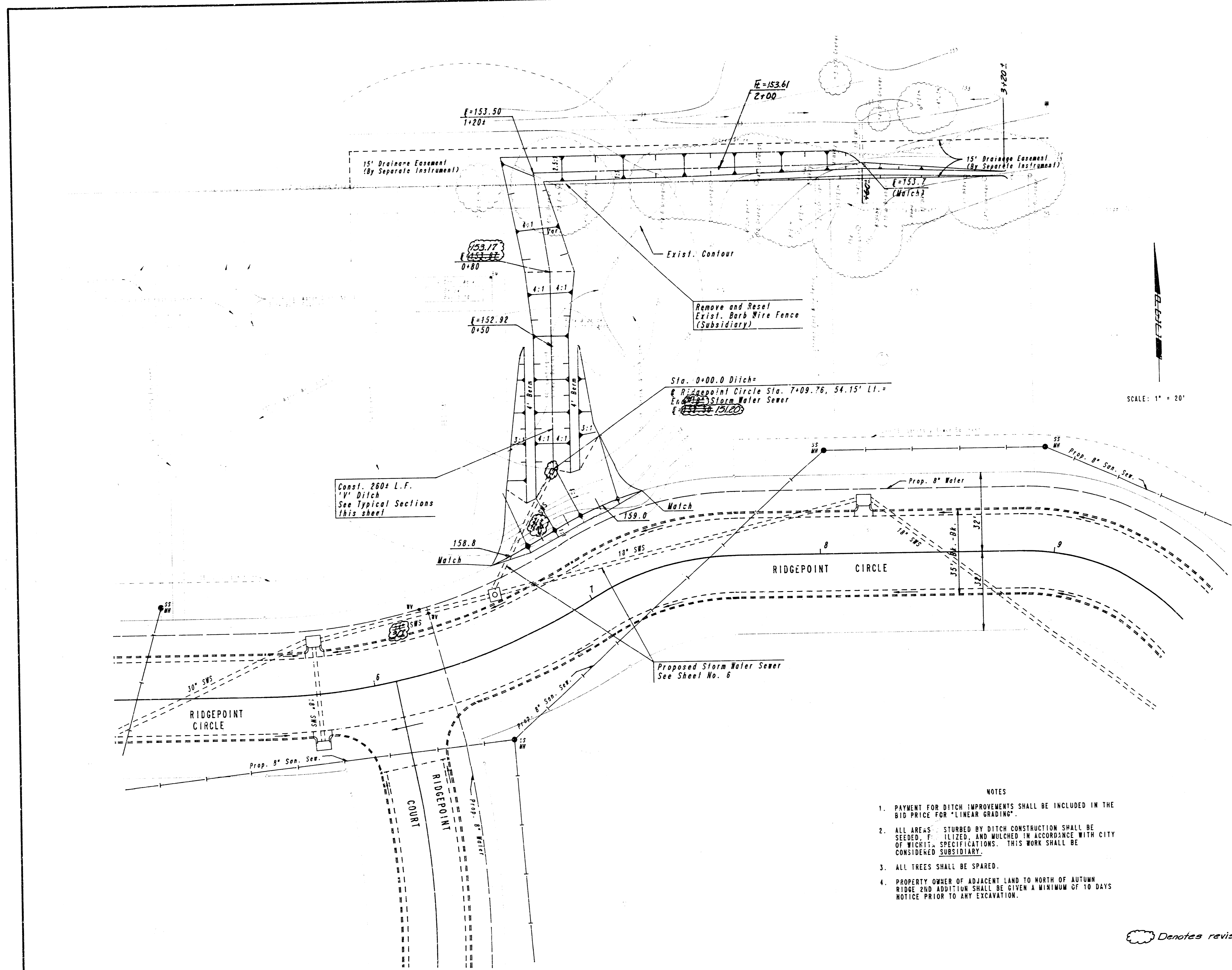
PICKHOLE DETAIL



GENERAL NOTES

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

PROJECT NO. 468-78-245-81855-000-001	SHEET NO. 12	TOTAL SHEETS 12
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SCALE: 1" = 20'

- NOTES**
1. PAYMENT FOR DITCH IMPROVEMENTS SHALL BE INCLUDED IN THE BID PRICE FOR "LINEAR GRADING".
 2. ALL AREAS STURBED BY DITCH CONSTRUCTION SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED SUBSIDIARY.
 3. ALL TREES SHALL BE SPARED.
 4. PROPERTY OWNER OF ADJACENT LAND TO NORTH OF AUTUMN RIDGE 2ND ADDITION SHALL BE GIVEN A MINIMUM OF 10 DAYS NOTICE PRIOR TO ANY EXCAVATION.

☁ Denotes revised items

1 Revised ditch E's		9/12/88	CSB
NO.	REVISION	DATE	BY
STORM WATER SEWER NO. 366			
DITCH IMPROVEMENTS			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by DEP	Checked by CSB	Date JULY, 1985	Job No. 88155-1

11 1 5 11