

STORM SEWER PLANS FOR WOODCREST ADDITION

S.W.S. NO. 330

PROJECT NO.

468-76-245-81658-000-000-001

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
APRIL, 1987

GENERAL NOTES

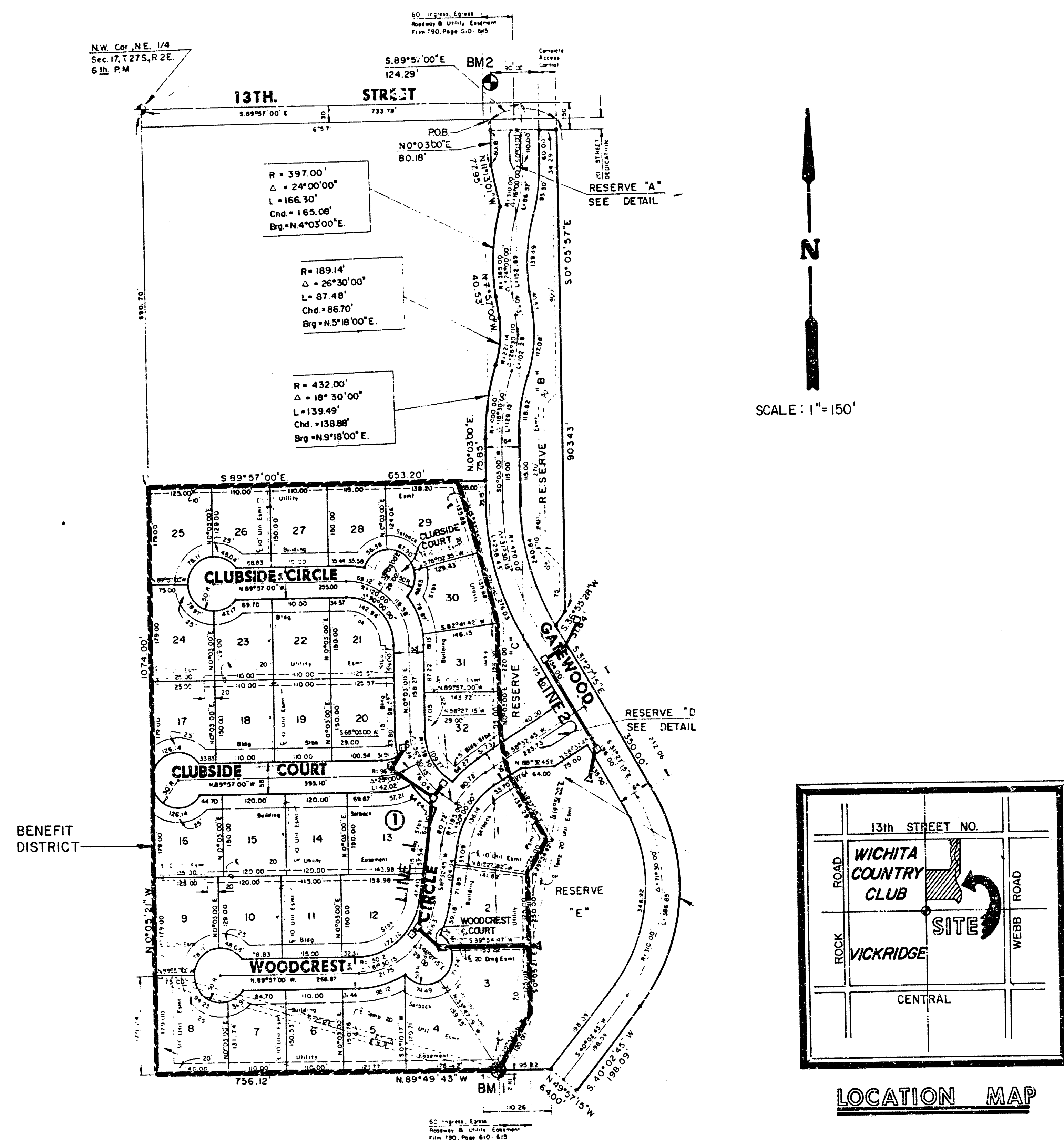
- The tops of inlets as noted on the plans may vary so as to meet proposed top of curb elevations or pavement elevations. The field Engineer shall locate inlets with reference to proposed paving plans of the pertinent streets.
 - The Contractor shall be responsible for preserving property irons. The 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 law.
 - Construction of the outlets for Lines 1 and 2 will require lowering of the existing lake into which these lines empty or construction of a cofferdam. The plan sheets showing these outlets also show the surveyed water level and the date of the survey. Present water levels and water levels at the time of construction may vary from this surveyed water level.
 - 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 or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.
- Notify the following companies prior to any excavation:
- | | |
|-------------------------|----------------|
| Kila Gas Company | 942-8350 |
| Bell Telephone Company | 1-316-571-2115 |
| Cablevision | 262-0661 |
| KPL Gas Service Company | 263-7511 |
| Kansas Gas & Electric | 264-1141 |
- 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 or a licensed professional engineer in accordance with state laws.

CONSTRUCTION SEQUENCE

This project cannot begin until the sanitary sewer lateral serving Woodcrest have been installed, backfilled and air tested, and the water line installed, pressure tested, chlorinated and flushed.

BENCH MARKS

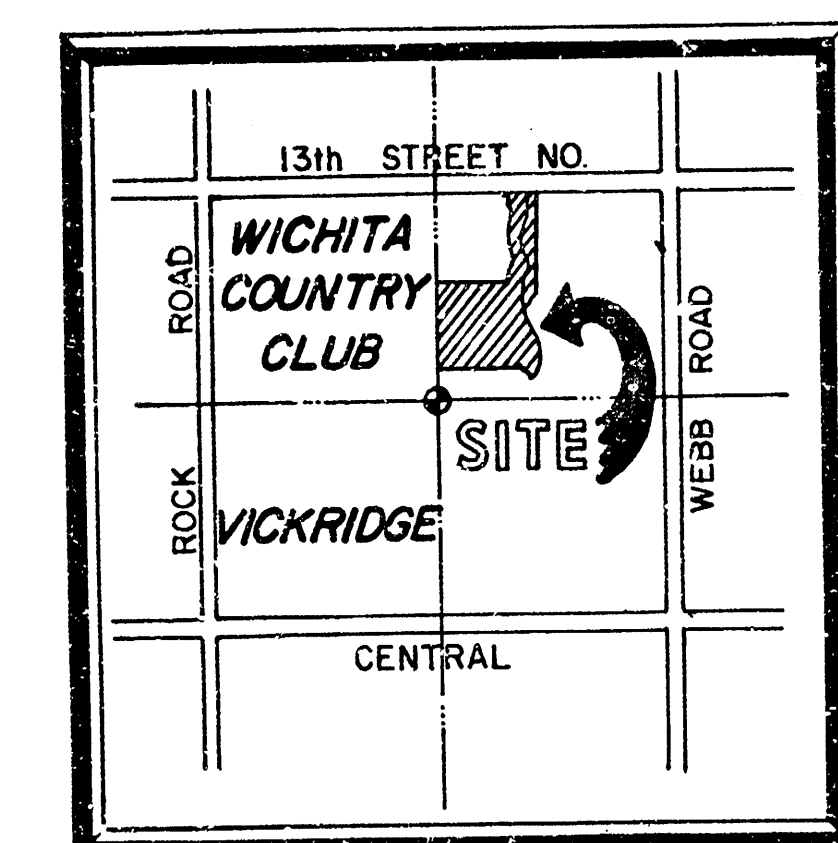
- B.M. #1 Set Spike Step in Corner Post S.E. Corner of Lot 4, Block 1, Woodcrest Addition Elev. = 179.74
- B.M. #2 "R" in Ritchie Stamped on Top of Curb N.W. Corner of 13th & Gatewood Elev. = 197.325
- B.M. #3 West Parkway, 1/2 Mile East of Rock Road on 13th, City of Wichita Bench Mark Disc., 36" South and 4" West of Quarter Section Corner Elev. = 187.591



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE 1
3	LINE 1 & 1A
4	LINE 2
5-6	TYPE 1A CURB INLET DETAIL
7	TYPE 1A DITCH INLET DETAIL
8	WOODCREST ADD. FINAL PLAT

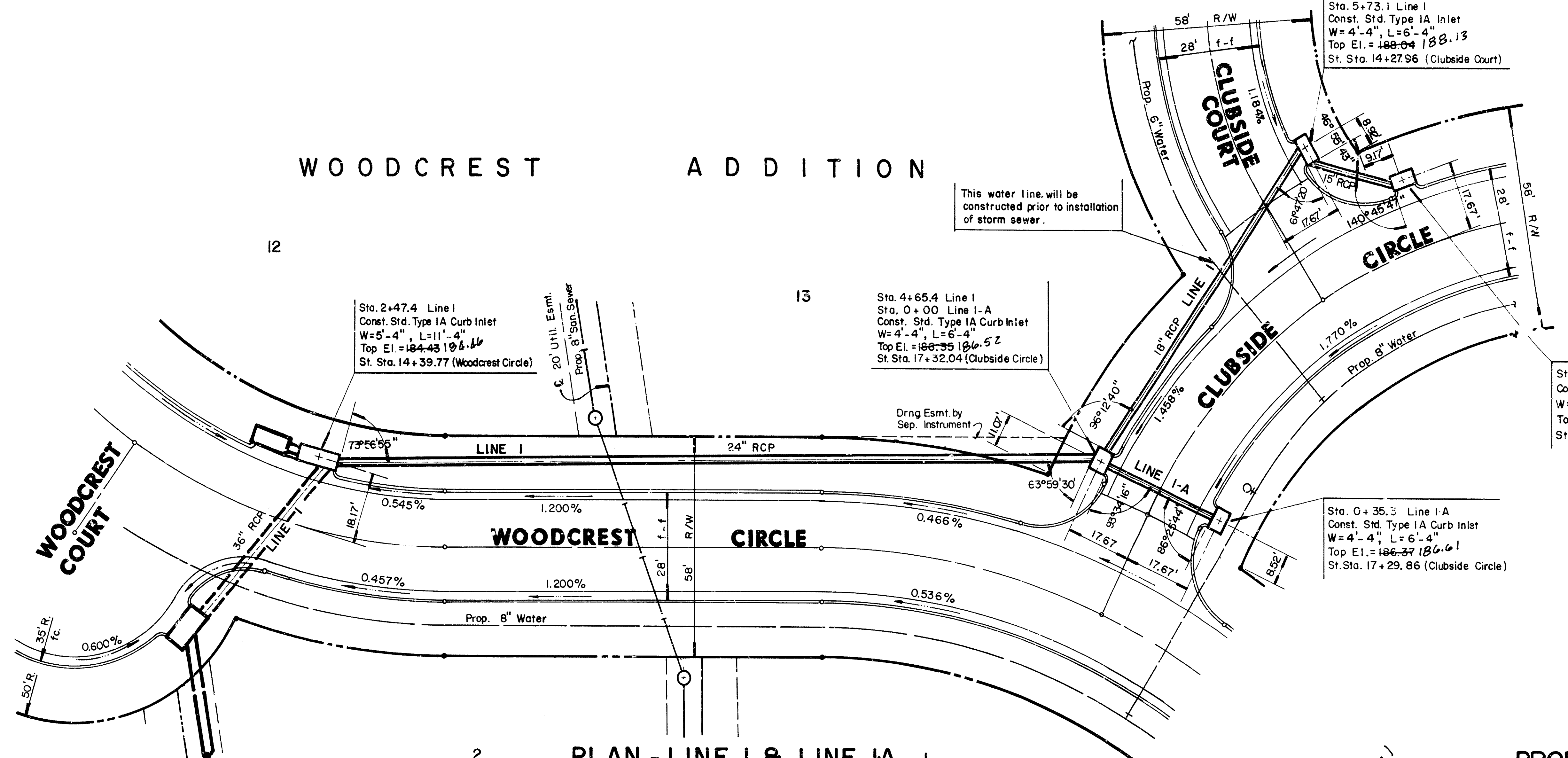
SCALE: 1"=150'



LOCATION MAP

	WOODCREST ADDITION STORM WATER SEWER PLANS		R.C.B. D.P.R. APR. 1987
	MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #600 WICHITA, KANSAS 67226		682-6561 8

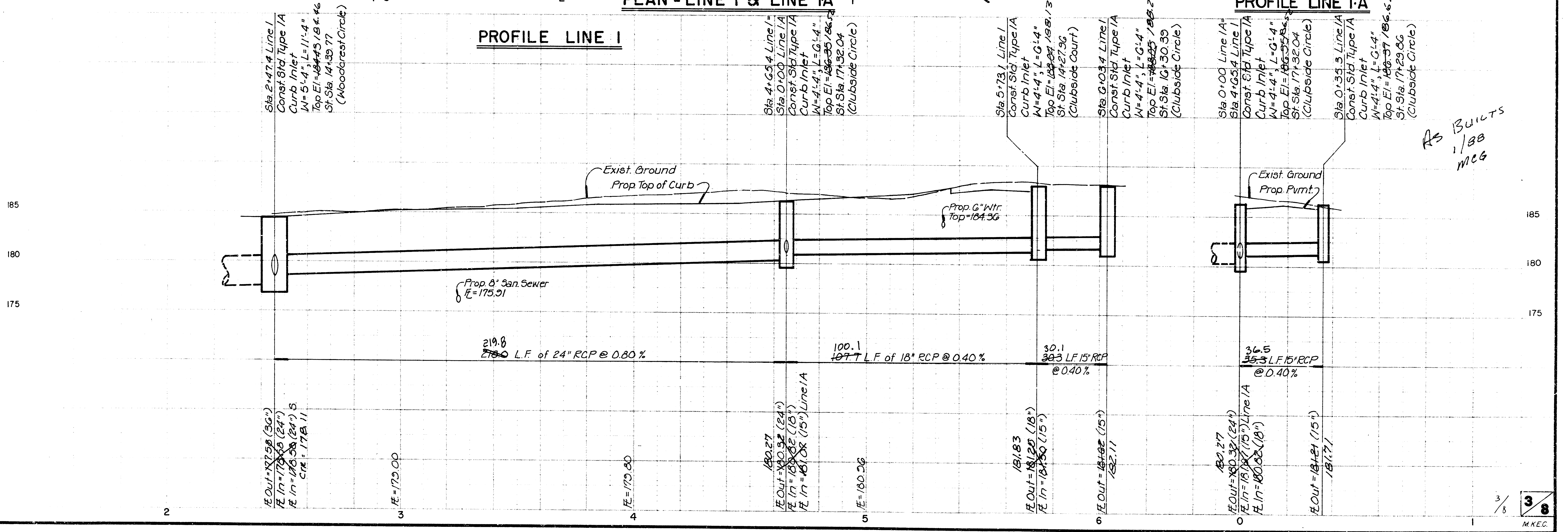
N
SCALE 1"=20' HORZ.
1"=5' VERT.



PLAN - LINE I & LINE I-A

PROFILE LINE I

PROFILE LINE I-A

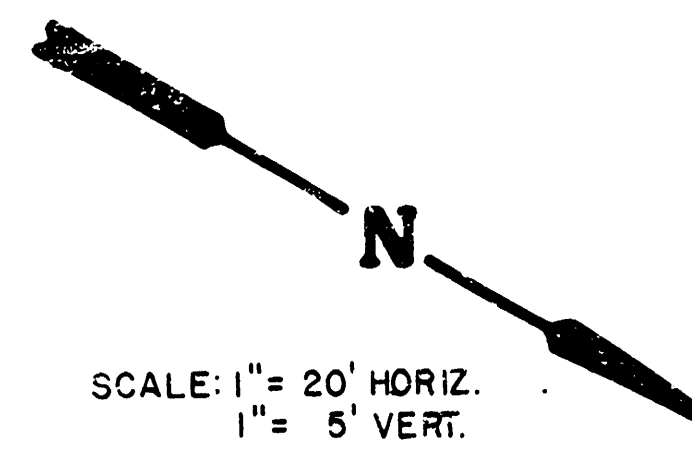


AS BUILTS
1/88
MKG

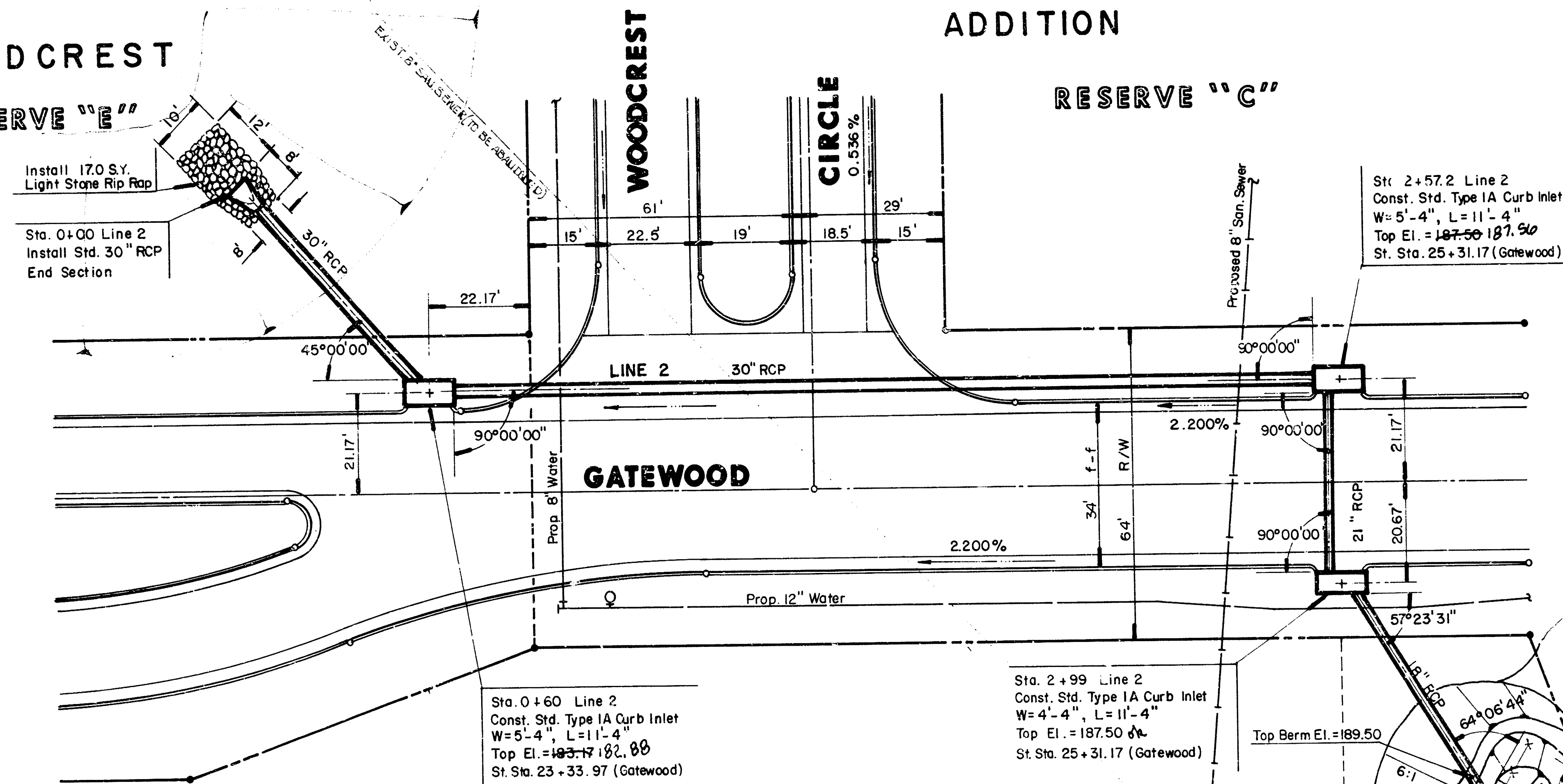
WOODCREST

ADDITION

RESERVE "C"

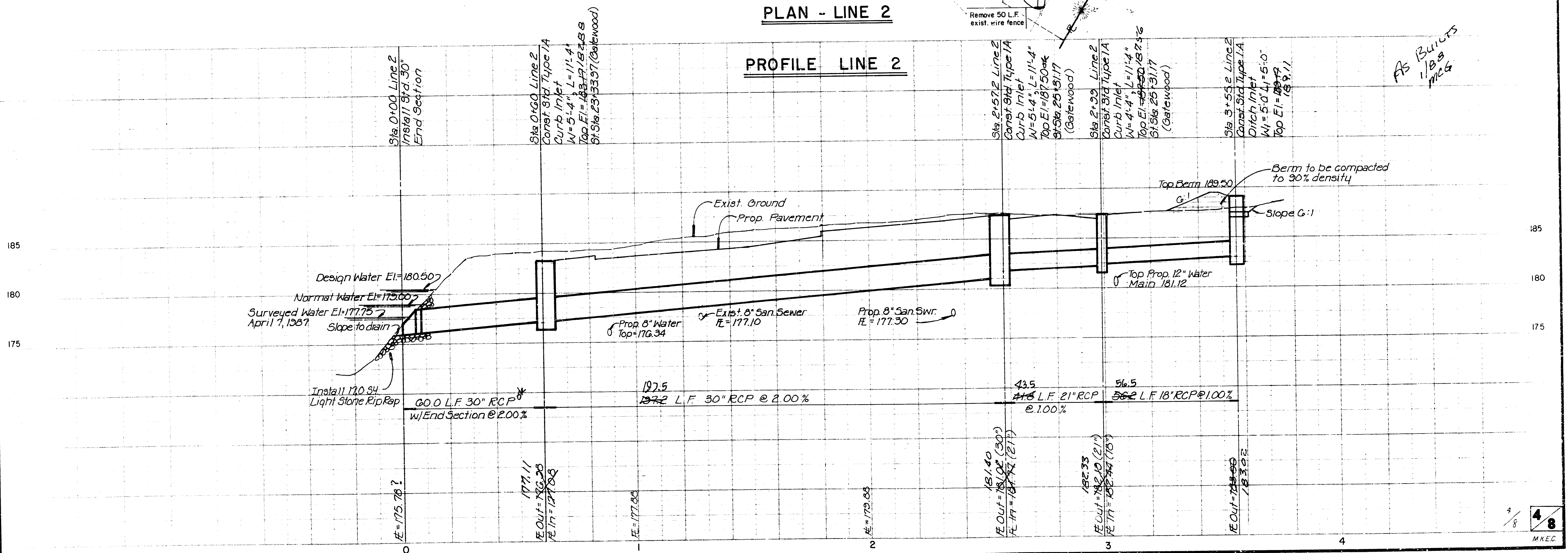


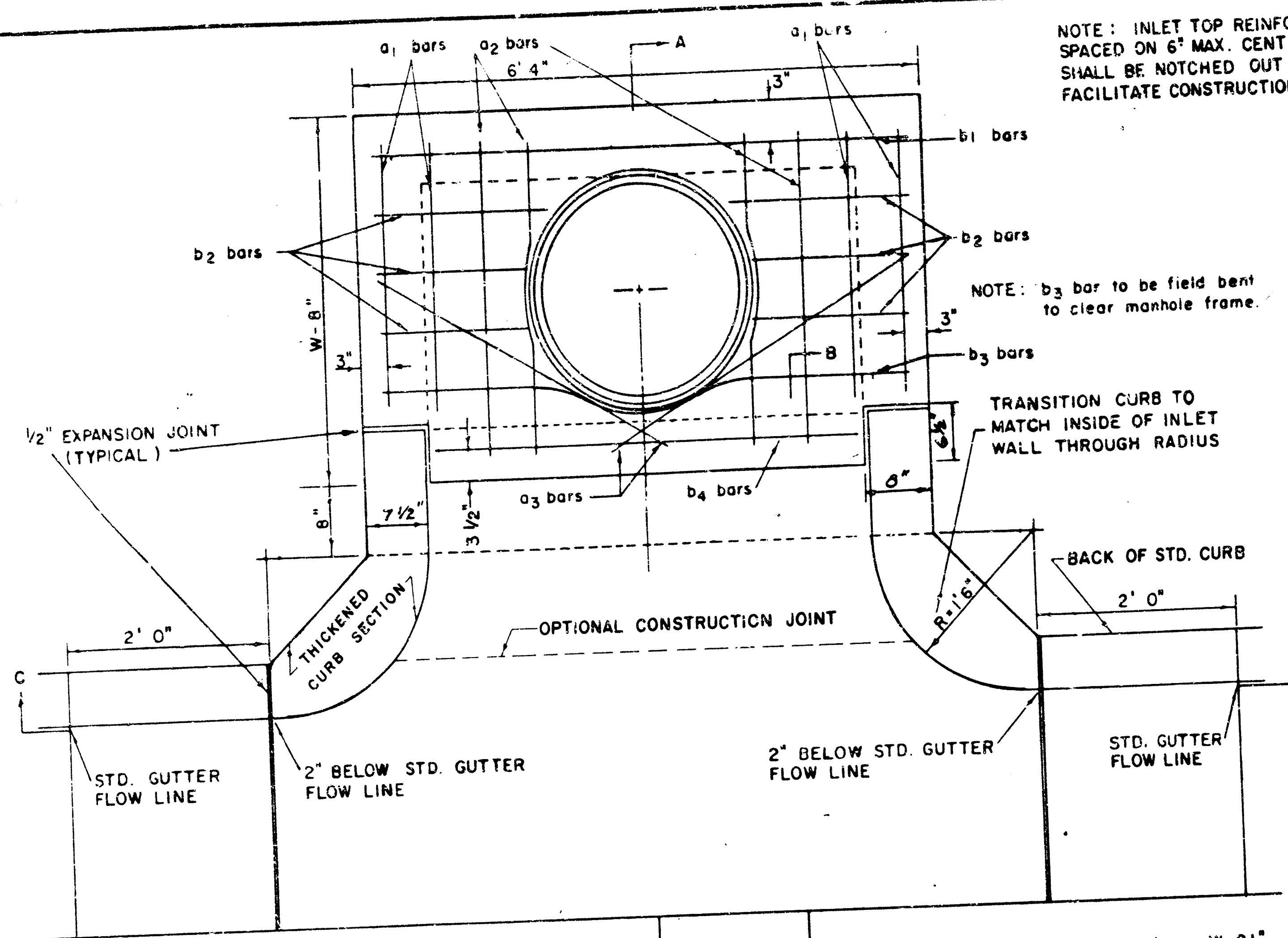
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



PLAN - LINE 2

PROFILE LINE 2

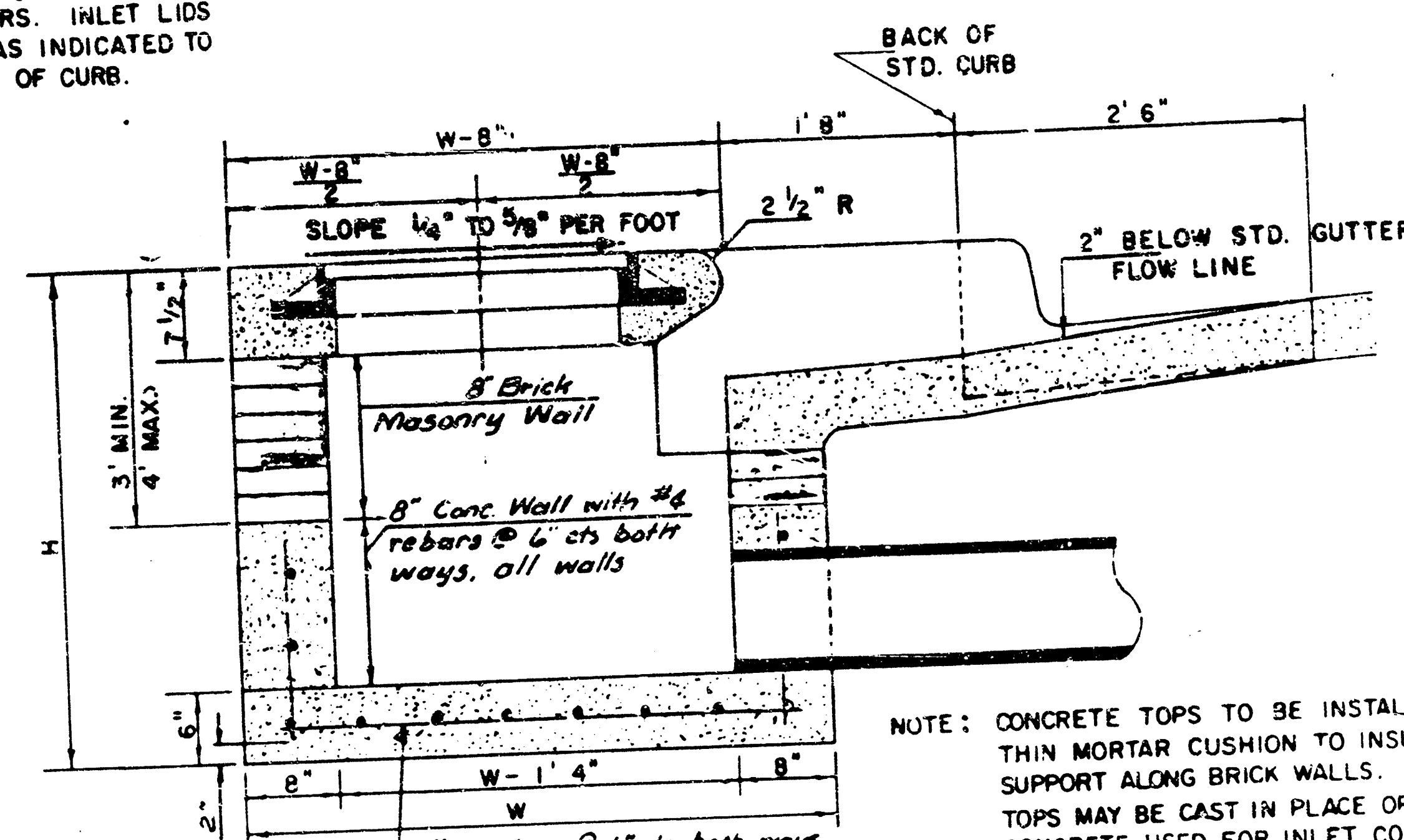




NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

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

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



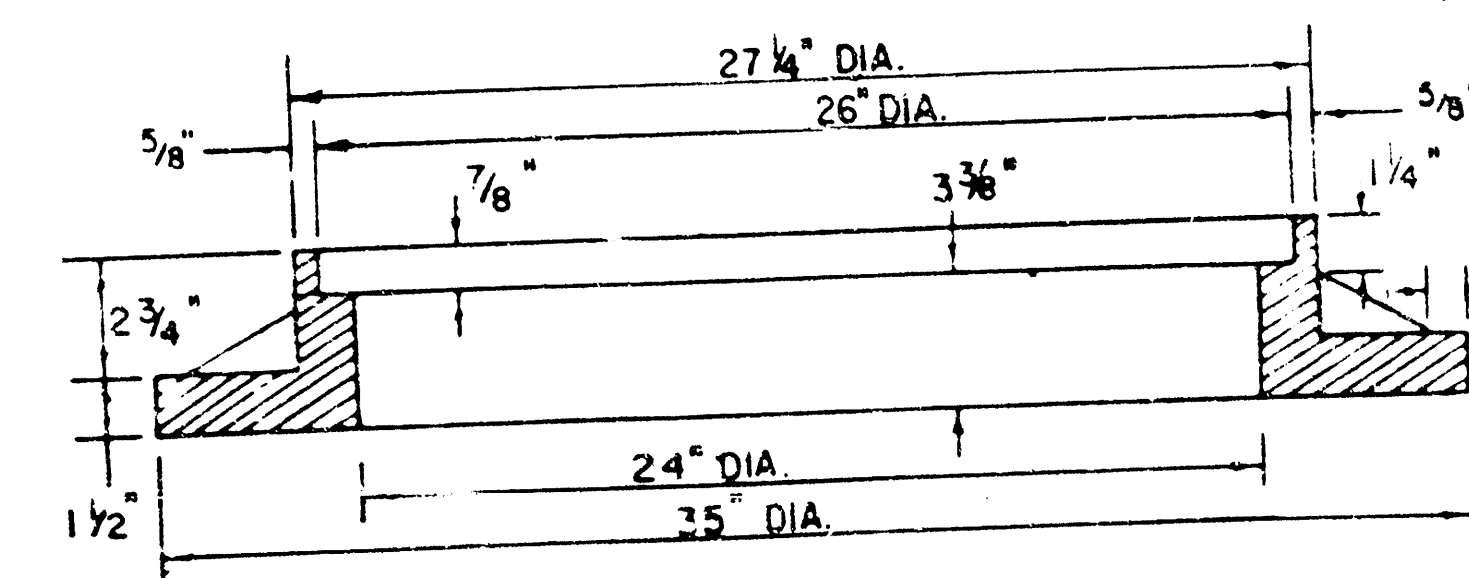
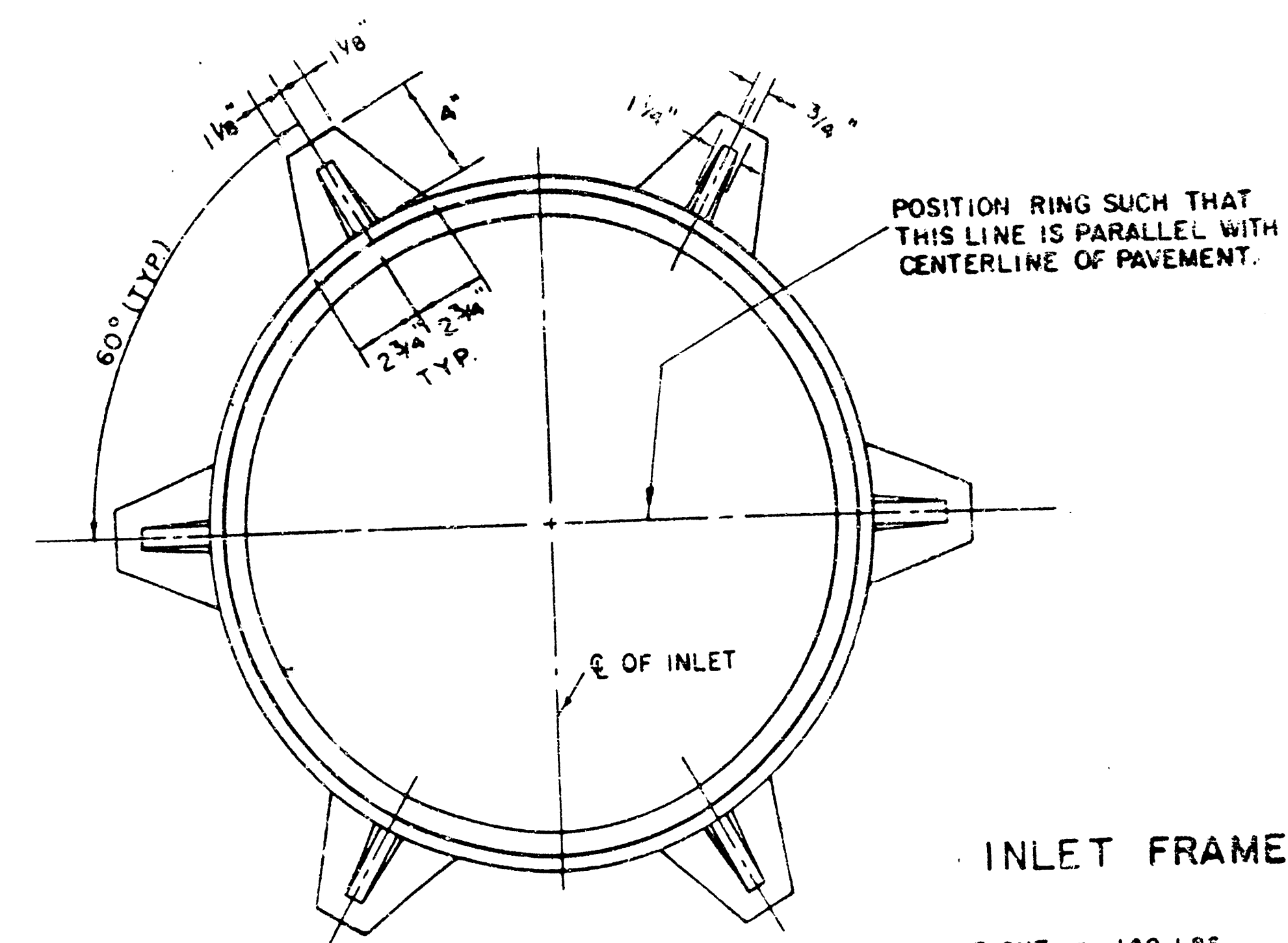
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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.



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

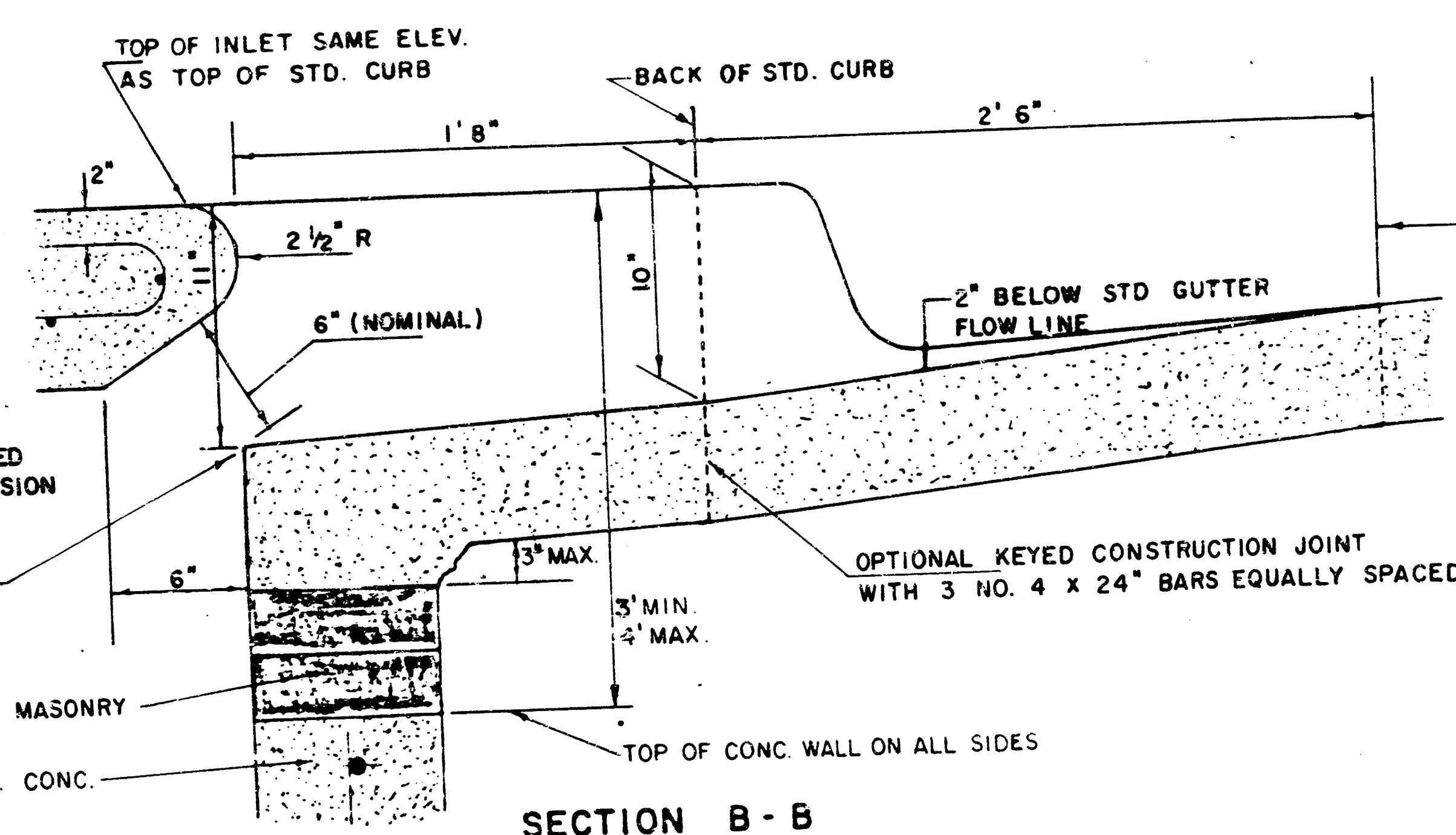
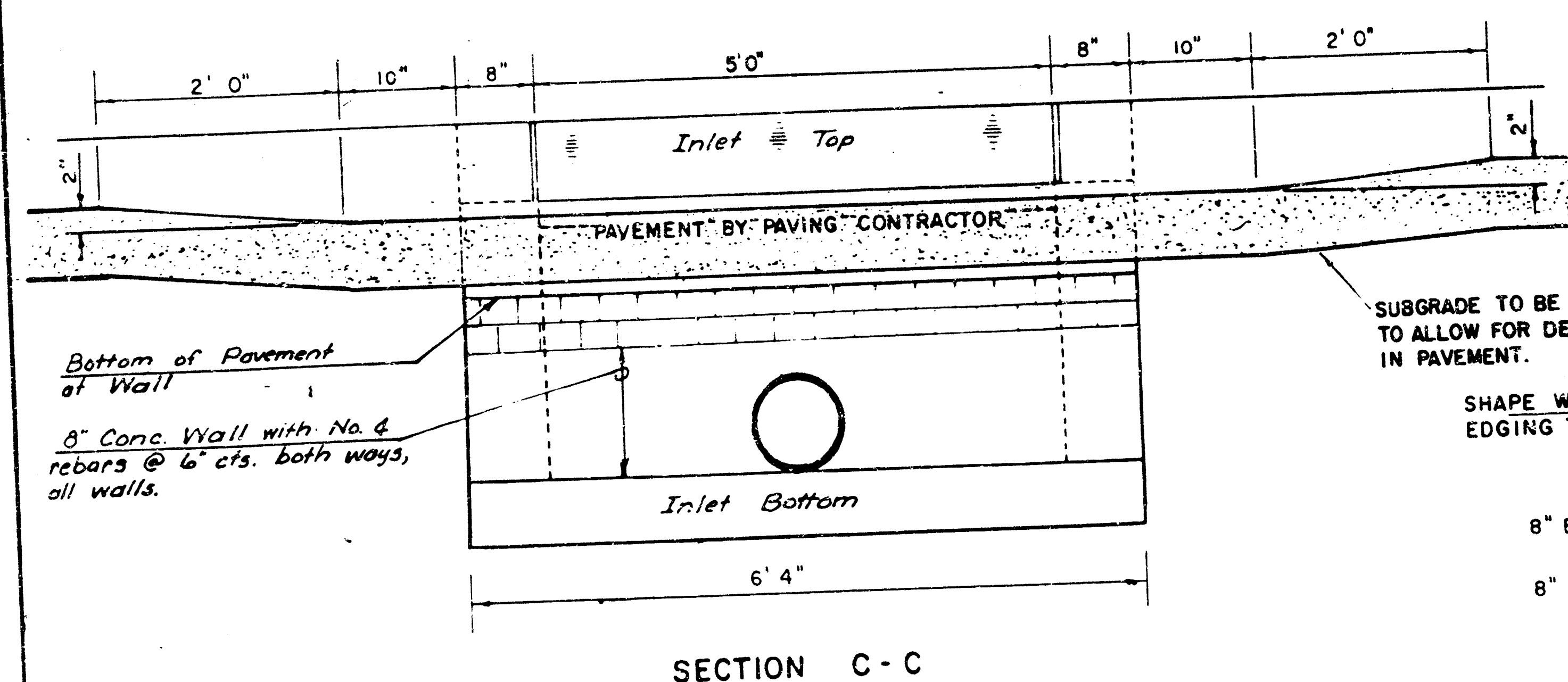
STEEL SCHEDULE

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

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

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 ±



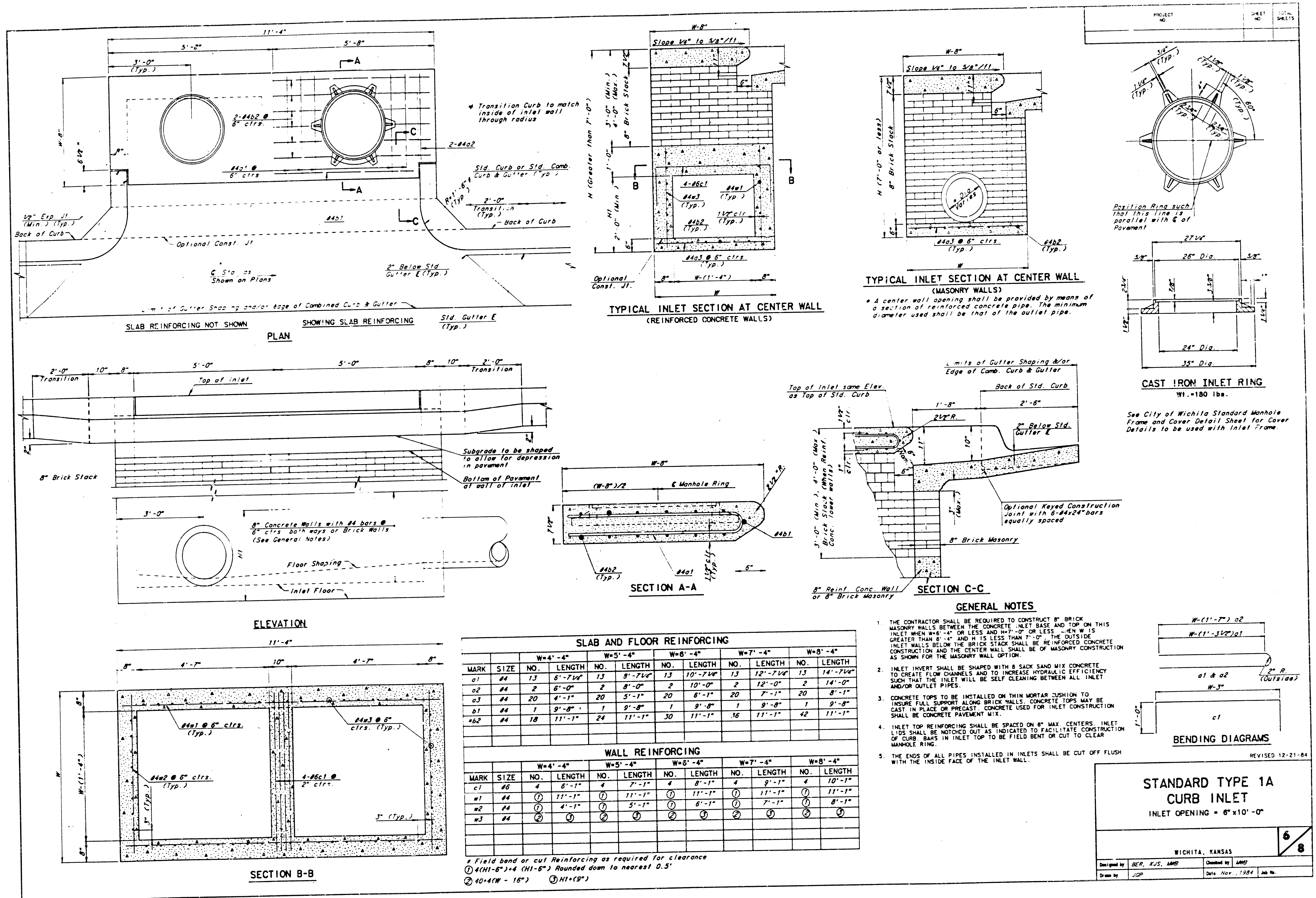
LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

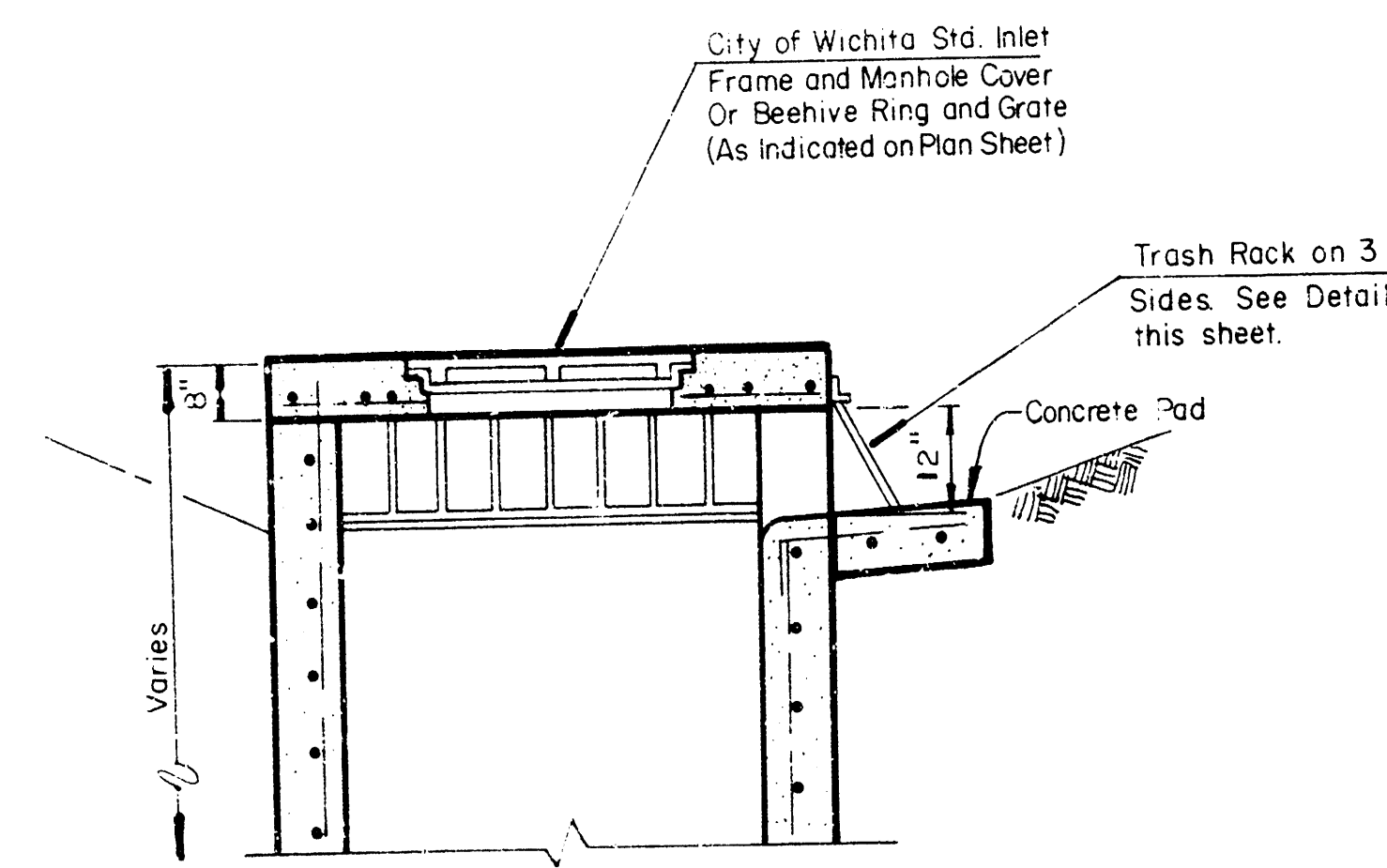
REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5'0"

JUNE 1984

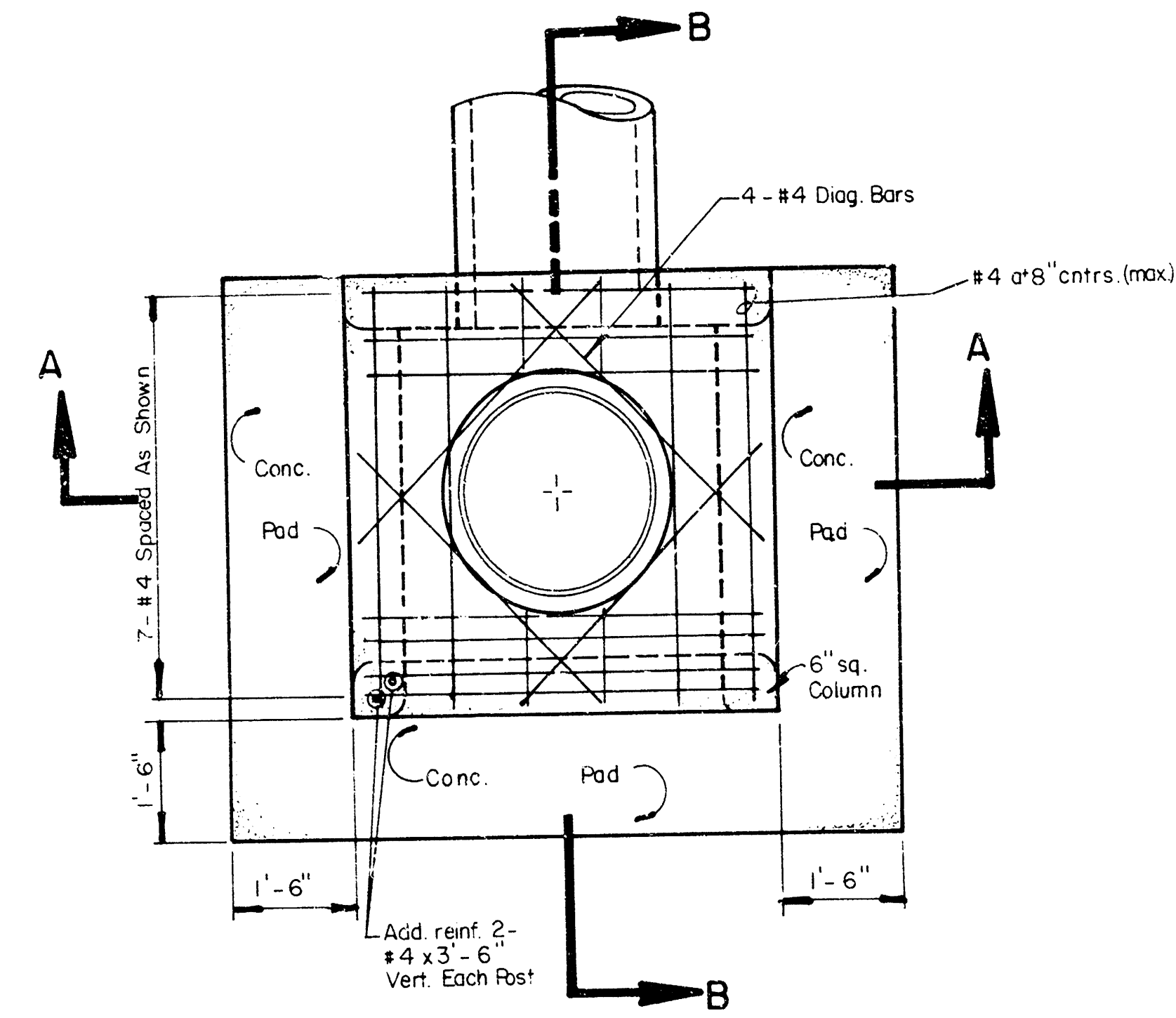
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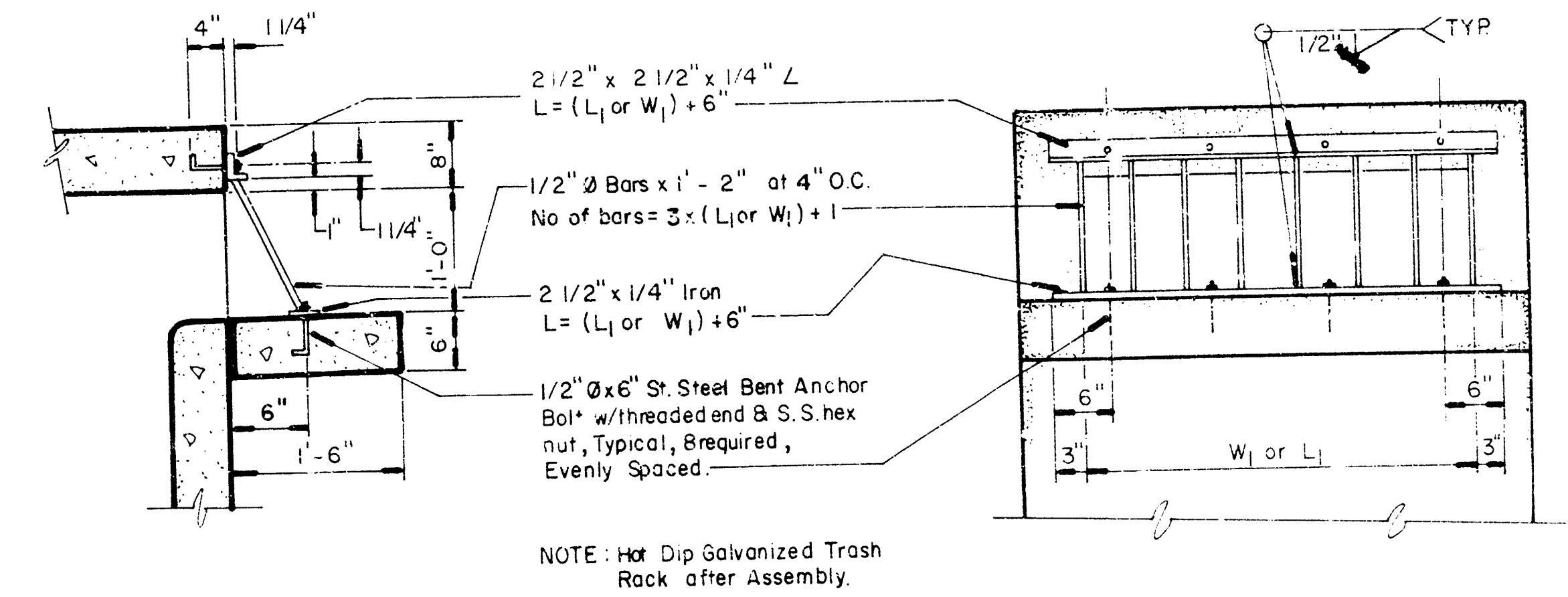


SECTION B-B

DITCH INLET TYPE I-A

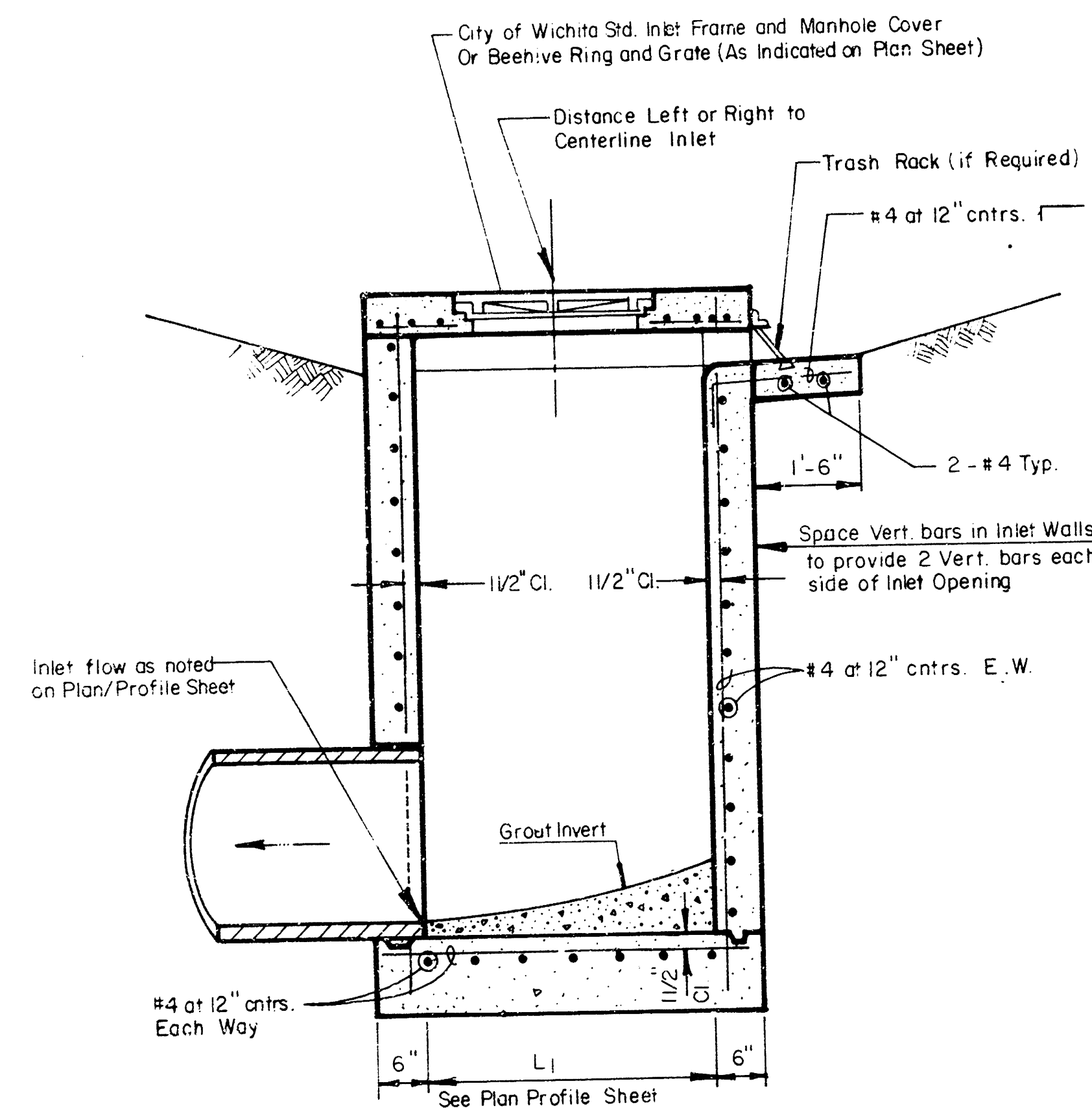


PLAN



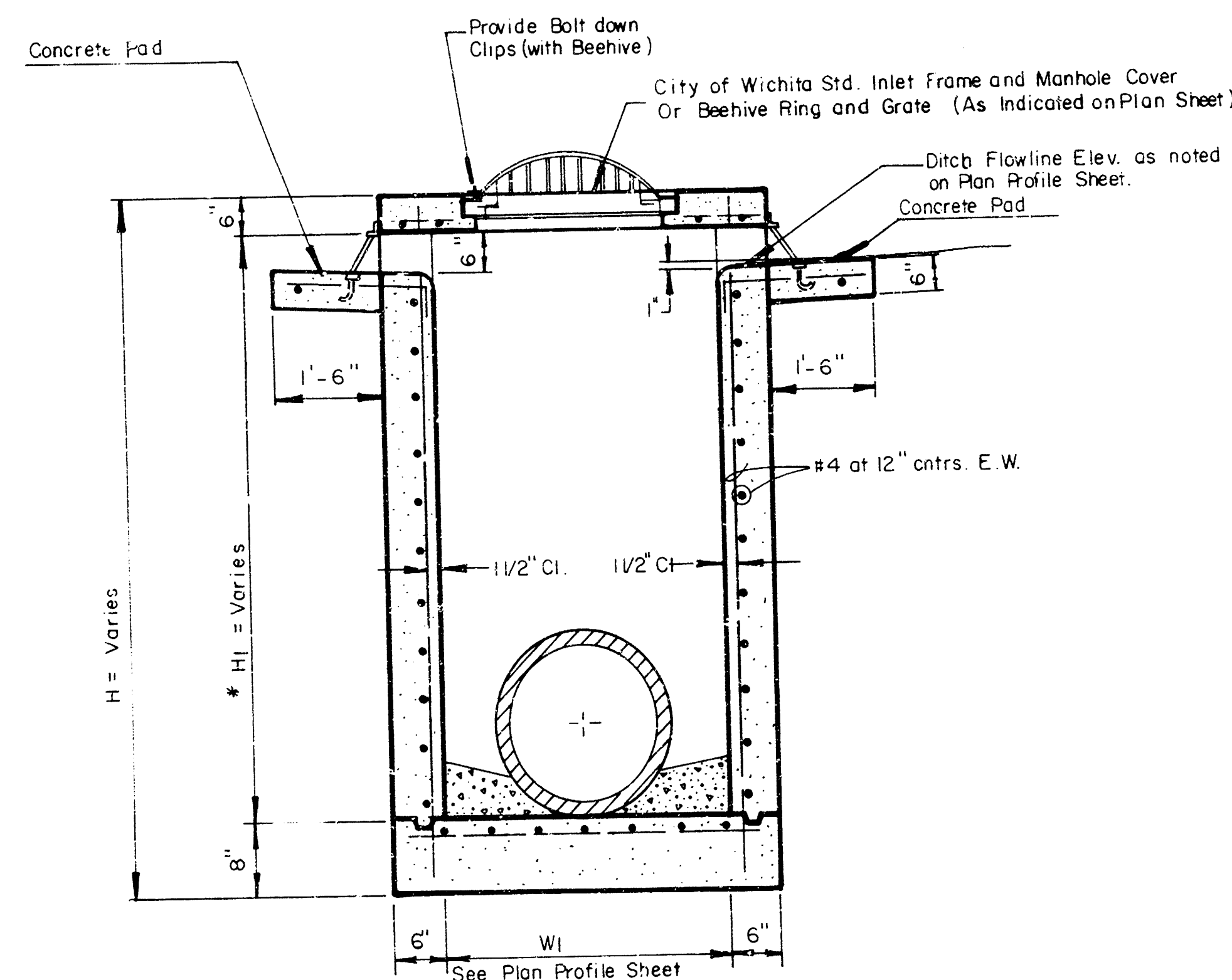
TRASH RACK DETAIL

FOR USE WITH TYPE I-A DITCH INLET
(NO SCALE)



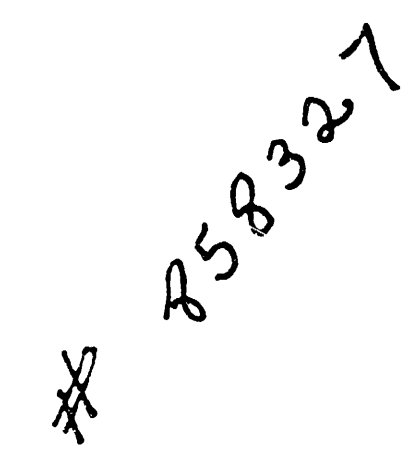
SECTION B-B

DITCH INLET TYPE I



SECTION A-A

	WOODCREST ADDITION		Drawn by
	STD. DITCH INLET		Checked by
	TYPE I / I-A		Date
			Scale
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226			Sheet 7 of 8



CU RESA

JOYCE L KAUFMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 02-28-98

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