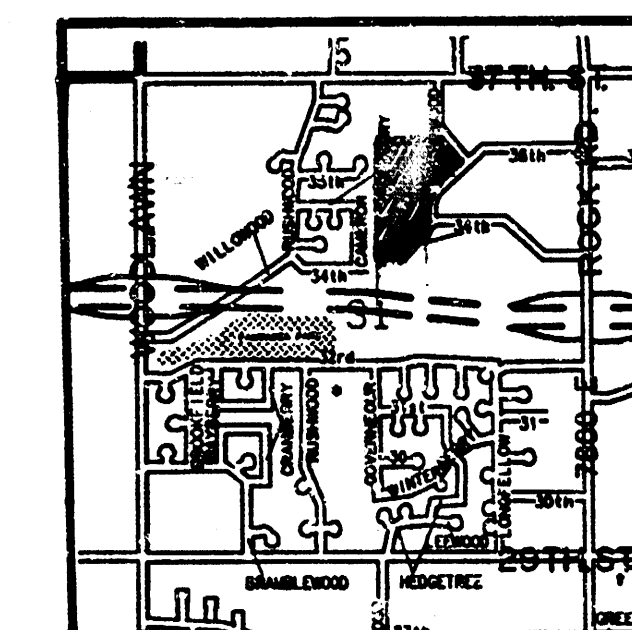


STORM SEWER PLANS FOR LEEWOOD VILLAGE AT NORTHROCK PHASE 1 STORM WATER SEWER #430 PROJECT NO. 468-82197

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

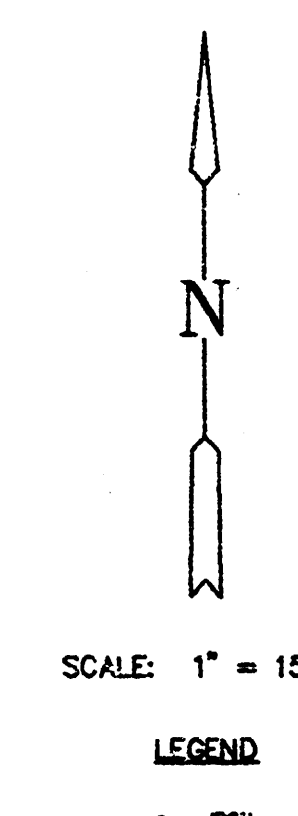
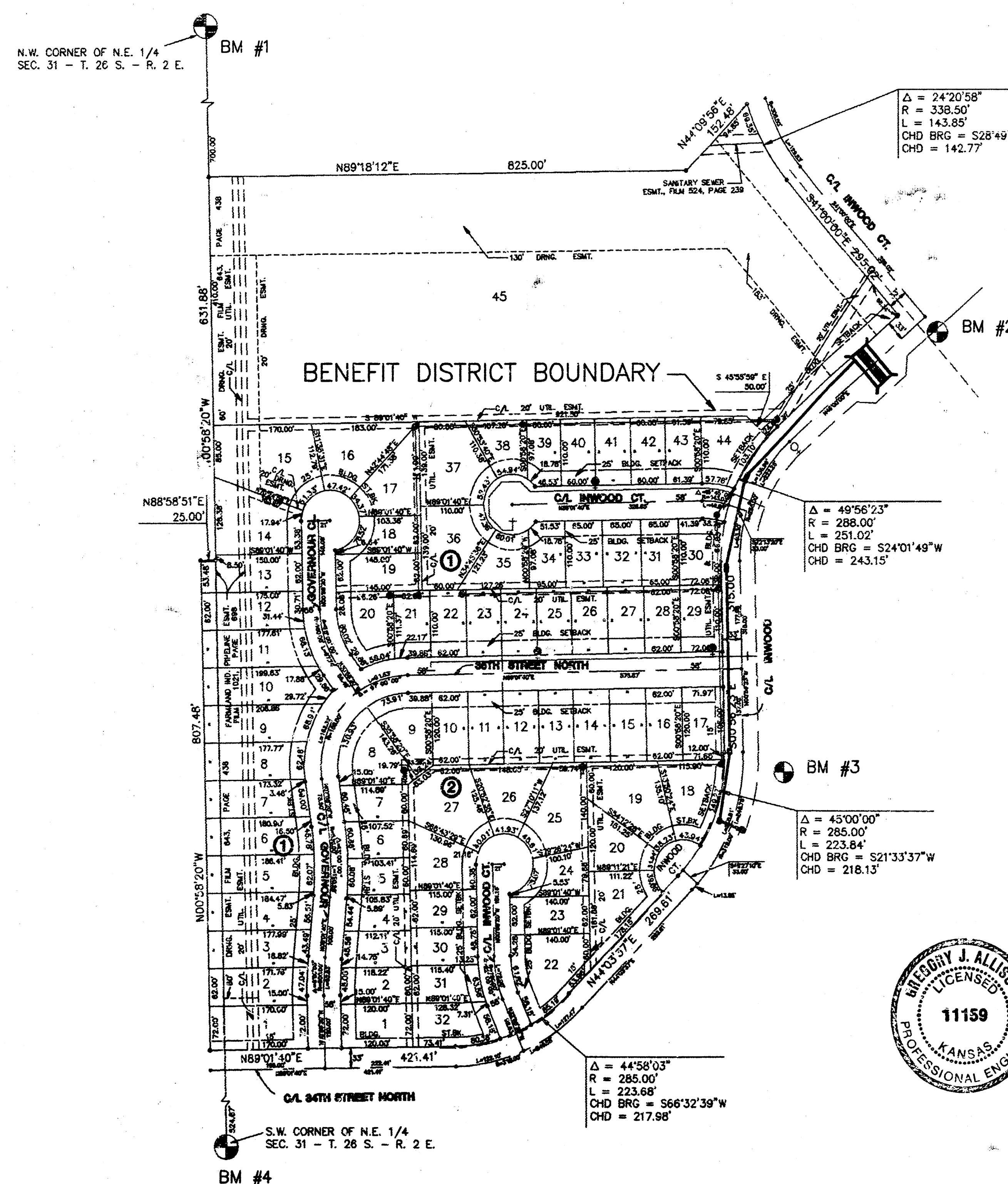
INDEX NO. 750331



LOCATION MAP

GENERAL NOTES

- THE TOPS OF INLETS AND MANHOLES 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 AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
- ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
- 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.
- TREES TO BE REMOVED ARE MARKED ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
- 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 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
OR 687-2470 (LOCAL WICHITA)
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2115
CABLEVISION 262-4270 OR 263-2061
KPL GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 264-1141
CITY OF WICHITA WATER DEPARTMENT 268-4908
ARKLA GAS COMPANY 942-8350 OR 263-8161
CITY OF WICHITA SEWER MAINTENANCE 268-4071
- 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. 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.



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	LINE 1
4-5	INLET DETAILS
6	FINAL PLAT

BENCHMARKS

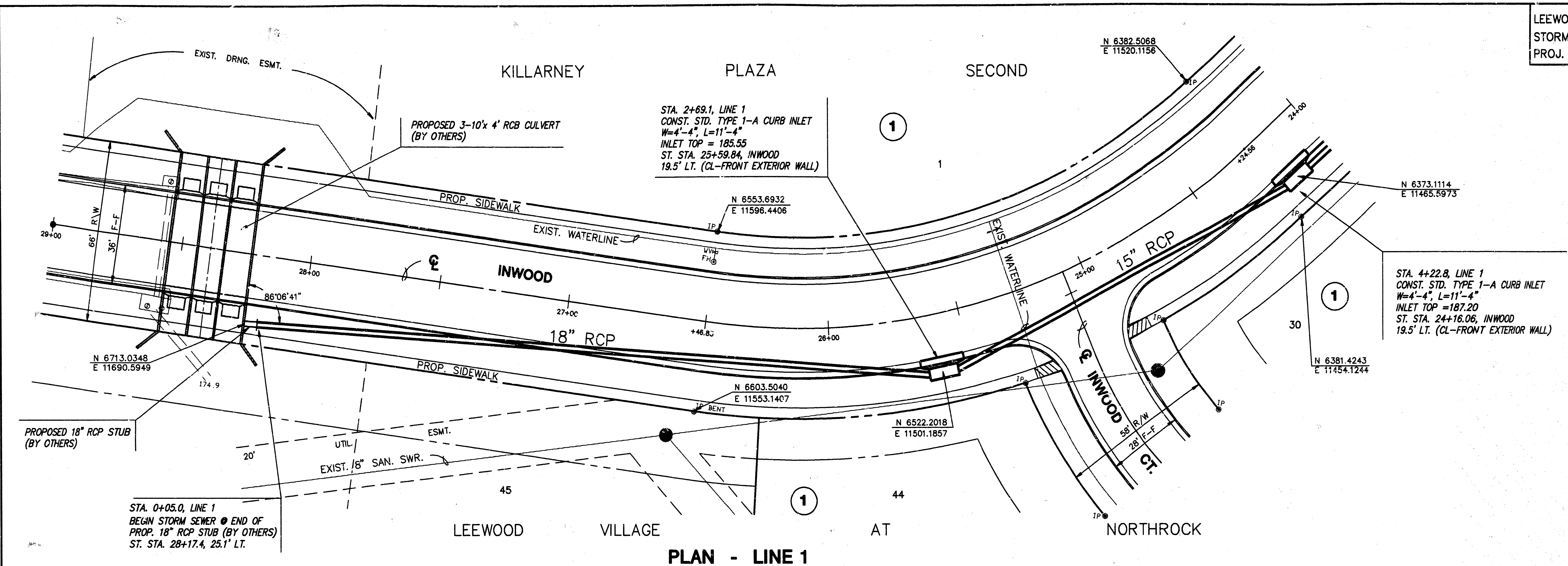
- BM #1 CITY DISC 30' N. & 34' W. OF 1/4 COR. 37TH ST. N. & GOVERNOUR. ELEV. = 185.54
- BM #2 "1/4" CUT ON T.C. AT WEST END OF N.W. RETURN 36TH ST. N. & INWOOD. ELEV. = 183.53
- BM #3 TOP OF "T" POST 2' E. OF S.W.COR. LOT 1, BLK.1 KILLARNEY PLAZA 2ND ELEV. = 192.00
- BM #4 CONC. NAIL DRIVEN ON N. EDGE OF MH 72' E. OF CTR. SECTION 31-T26S-2E ELEV. = 194.16



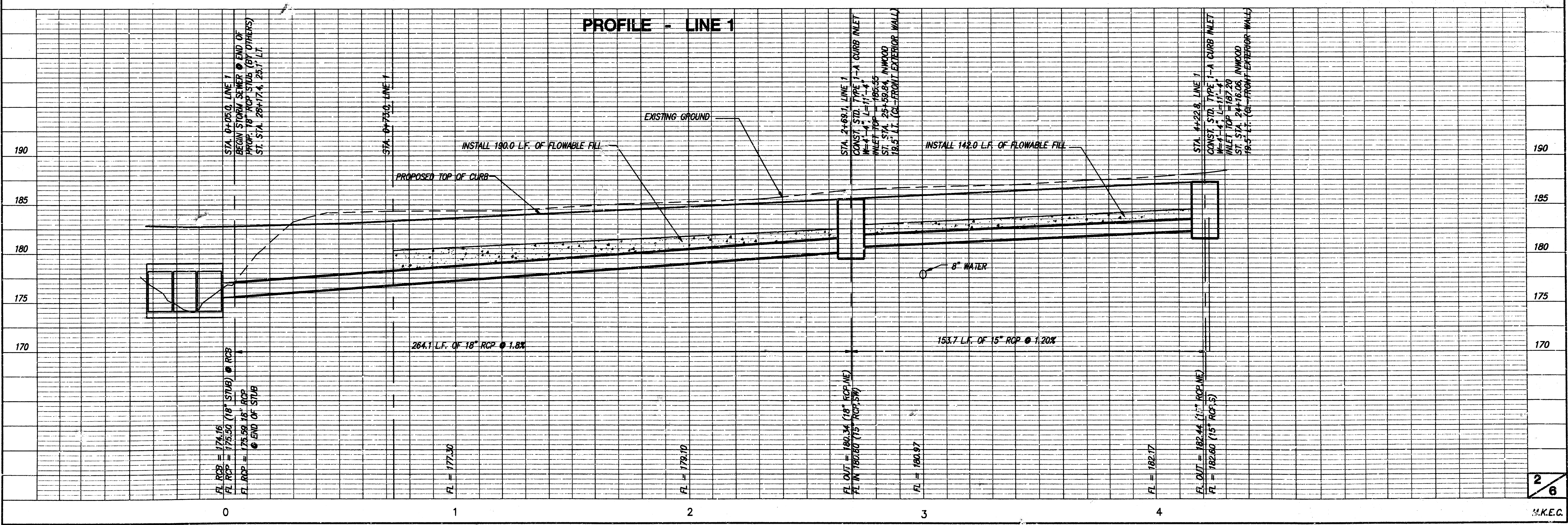
**LEEWOOD VILLAGE
AT NORTHROCK**
**STORM SEWER PLANS
PHASE 1**

MID-KANSAS ENGINEERING CONSULTANTS INC.
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 (316) 636-5566

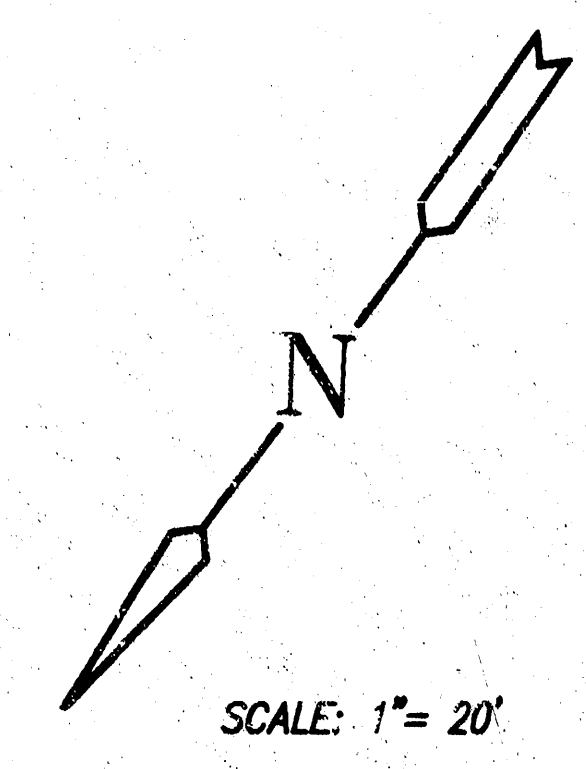
Design	G.J.A.
Drawn by	K.K.L.
Checked by	G.J.A.
Date	4/92
Job no.	9192SW51
Sheet	1
of	6

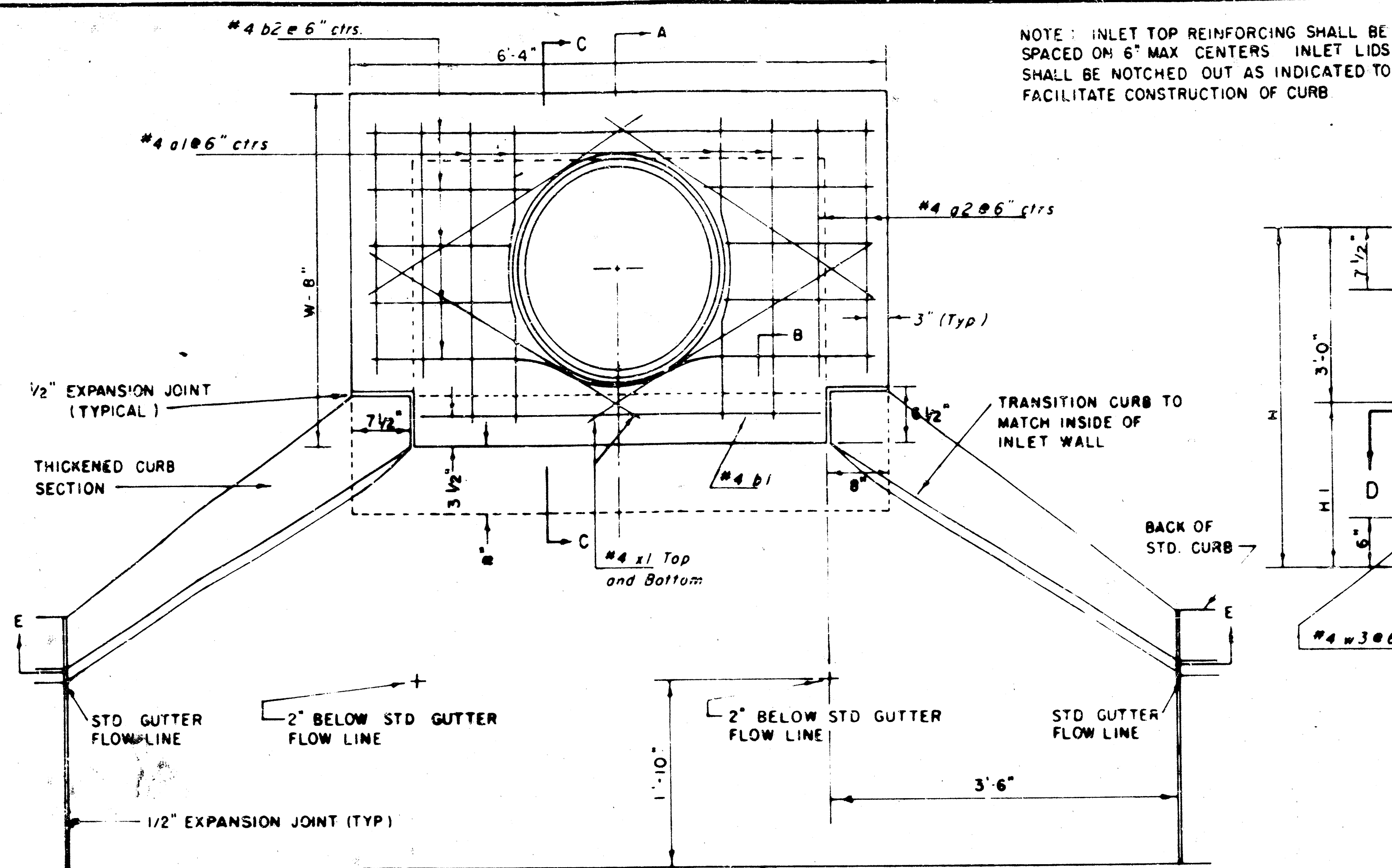


PLAN - LINE 1

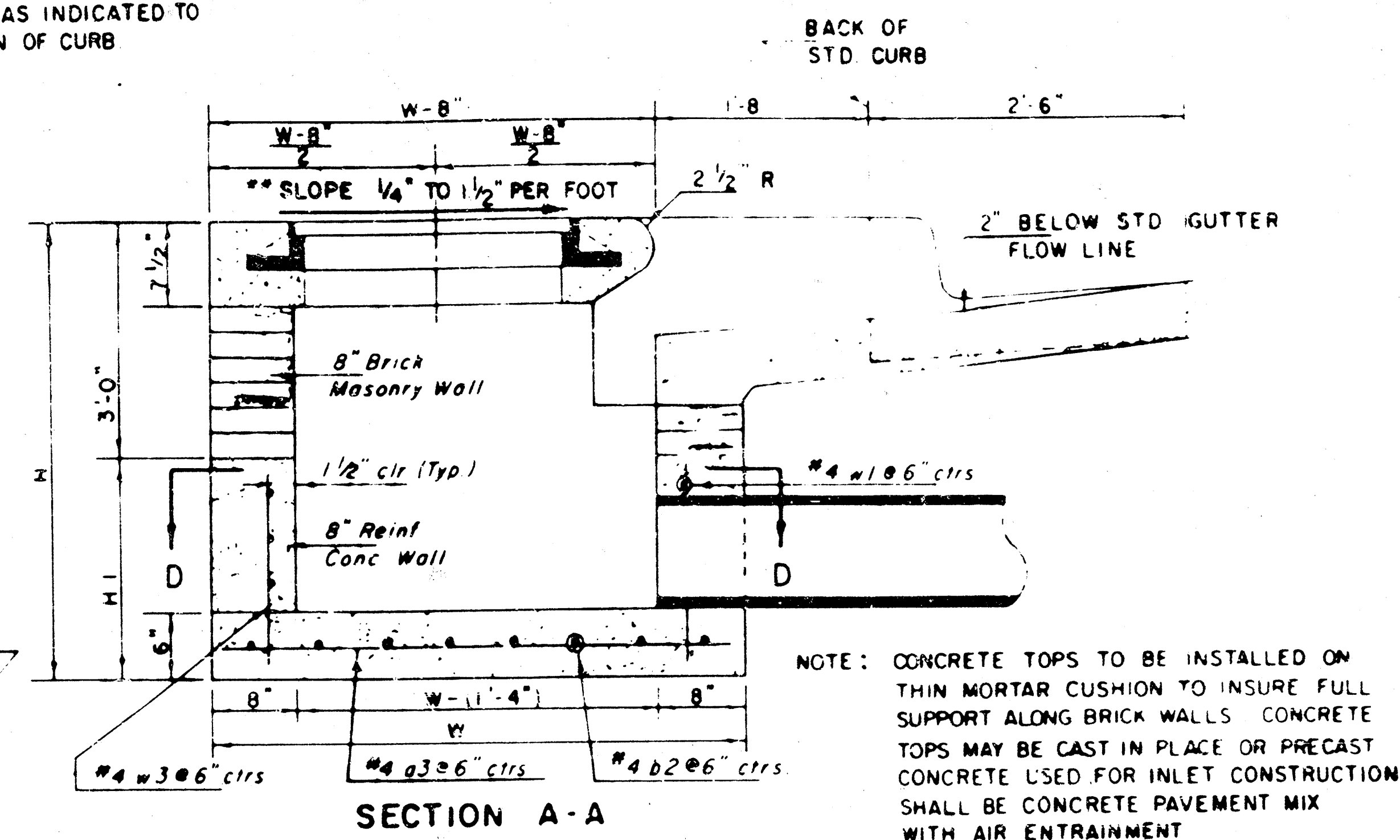


PROFILE - LINE 1

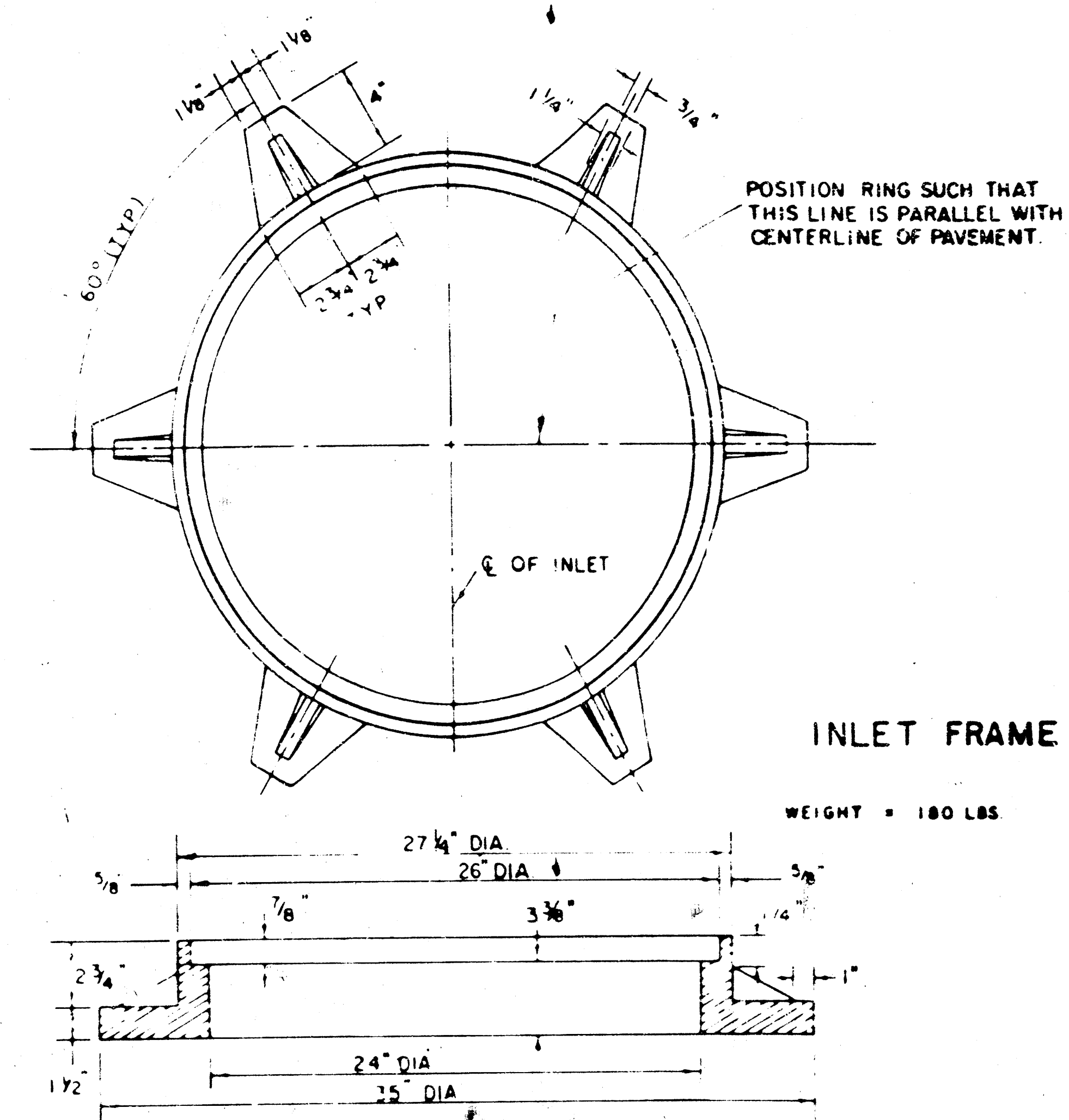




NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.



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
WITH AIR ENTRAINMENT



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

PRECAST SLAB AND FLOOR REINFORCING											
		W-4'-0"		W-5'-4"		W-6'-0"		W-7'-4"		W-8'-0"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	3'-0"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	3'-9"	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"	47	6'-1"
c1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	6'-10"	8	5'-2"

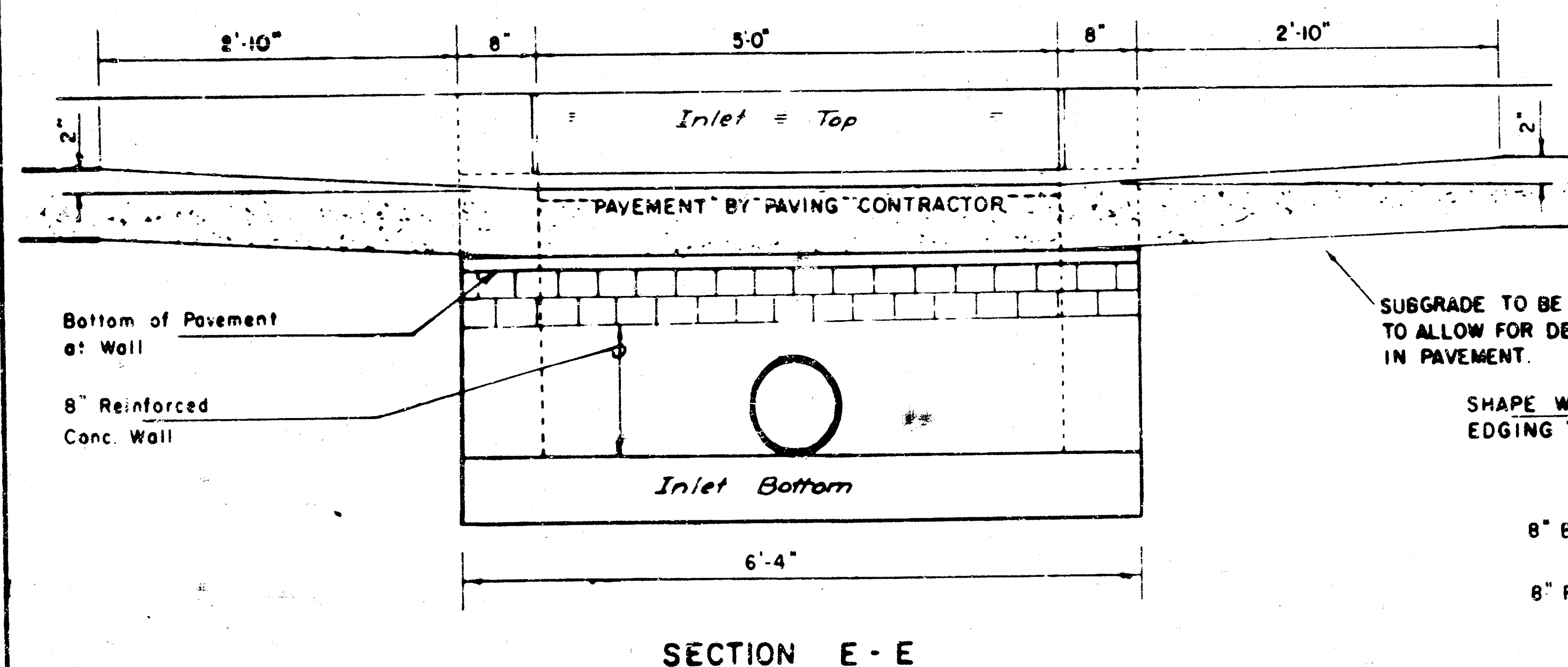
WALL REINFORCING											
		W-4'-4"		W-5'-4"		W-6'-4"		W-7'-4"		W-8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"
w2	#4	(1)	4'-1"	(1)	5'-1"	(1)	6'-1"	(1)	7'-1"	(1)	8'-1"
w3	#4	12	(3)	36	(3)	40	(2)	34	(2)	48	(2)

WALL REINFORCING											
		W = 4' - 4"		W = 5' - 4"		W = 6' - 4"		W = 7' - 4"		W = 8' - 4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
#1	#4	(1)	6' - 1"	(1)	6' - 1"	(1)	6' - 1"	(1)	6' - 1"	(1)	6' - 1"
#2	#4	(1)	4' - 1"	(1)	5' - 1"	(1)	6' - 1"	(1)	7' - 1"	(1)	8' - 1"
#3	#4	32	(2)	36	(2)	40	(2)	44	(2)	48	(2)

* Field bend or cut Reinforcing as required for clearance

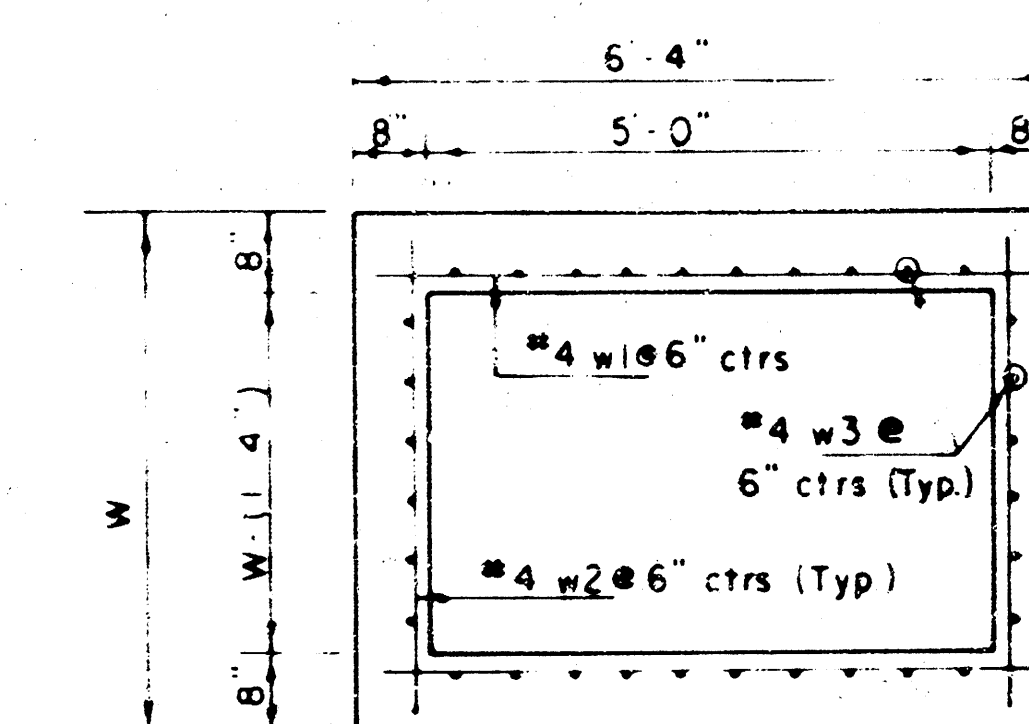
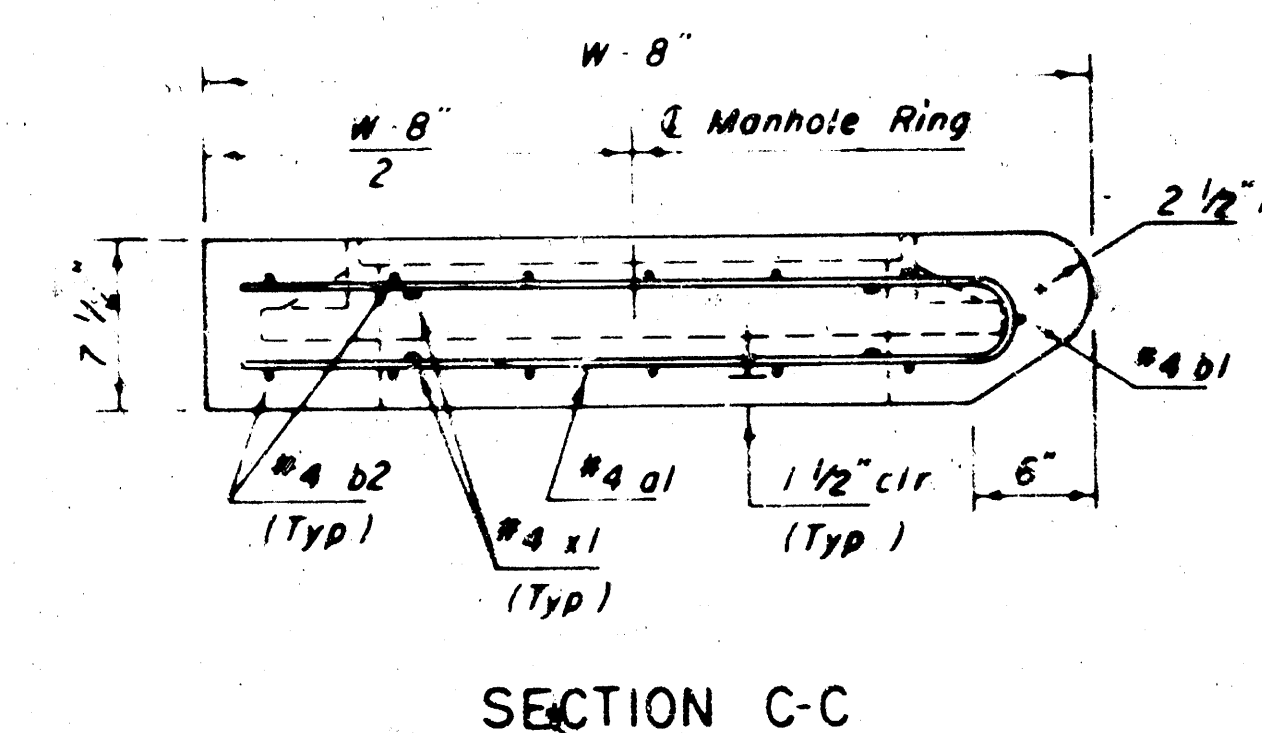
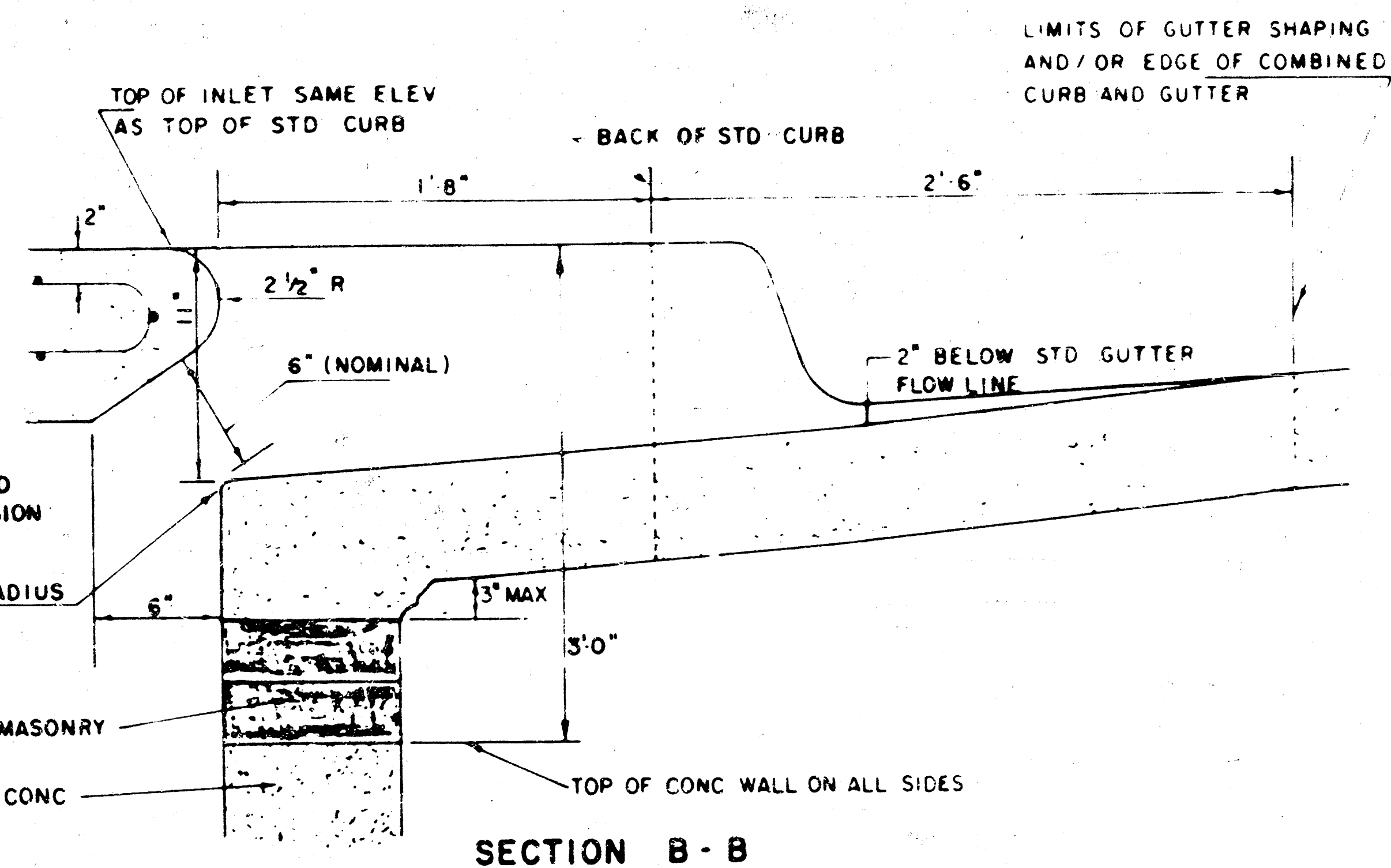
- ① $4(HI-12")$; $(HI-12")$ Round down to nearest 0.5'
- ② $HI-3"$

- ② H1-3"



STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU YD CONC
4' 4"	5' 6" x 6' 4" = 7' 2"	21" Ø SMALLER	0.38 ±
5' 4"	6' 6" x 6' 4" = 7' 1/2"	24" Ø 30"	0.51 ±
6' 4"	5' 6" x 6' 4" = 7' 1/2"	36" Ø 42"	0.64 ±
7' 4"	6' 6" x 6' 4" = 7' 1/2"	48" Ø 54"	0.77 ±
8' 4"	7' 6" x 6' 4" = 7' 1/2"	60" Ø 66"	0.90 ±

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



1954-1955

~~REFUSED 12-21-1934~~

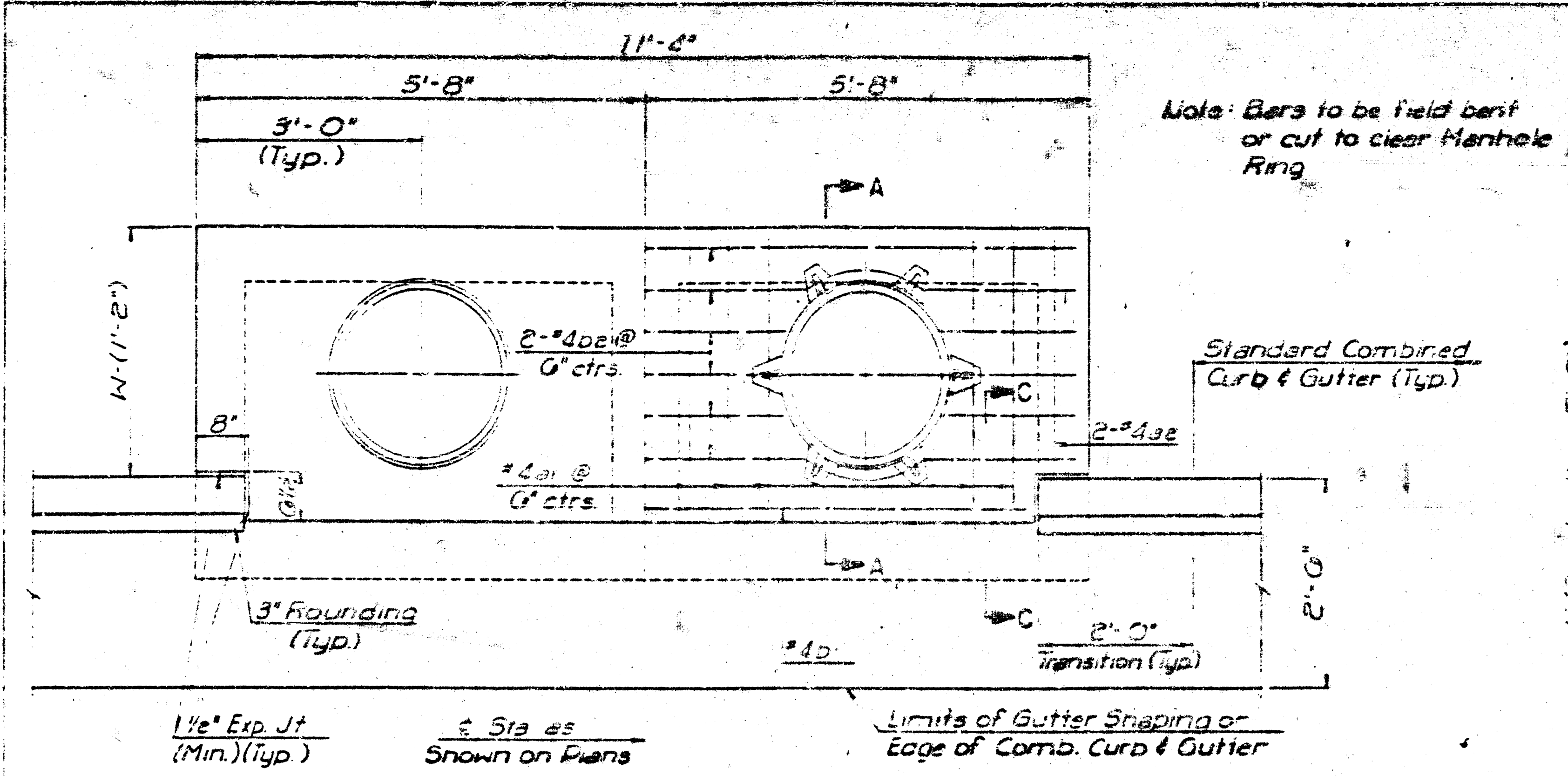
Revised 2-16-1989

DETAIL STANDARD TYPE 1A CURB INLET

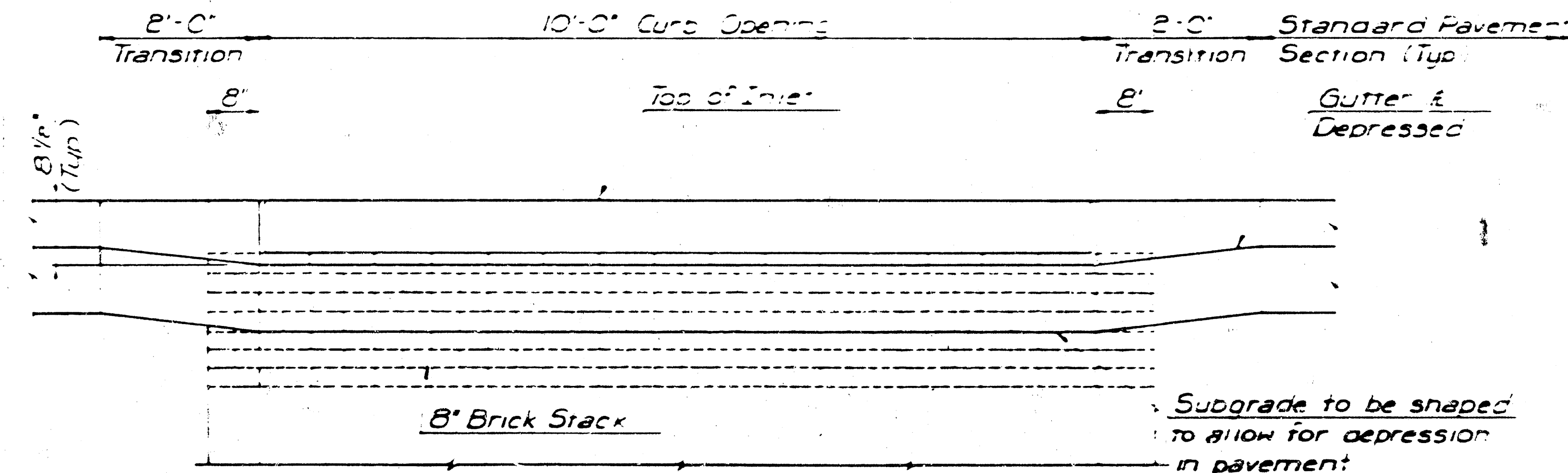
CITY OF WICHITA, KANSAS

INLET OPENING = 6" x 5' 0"

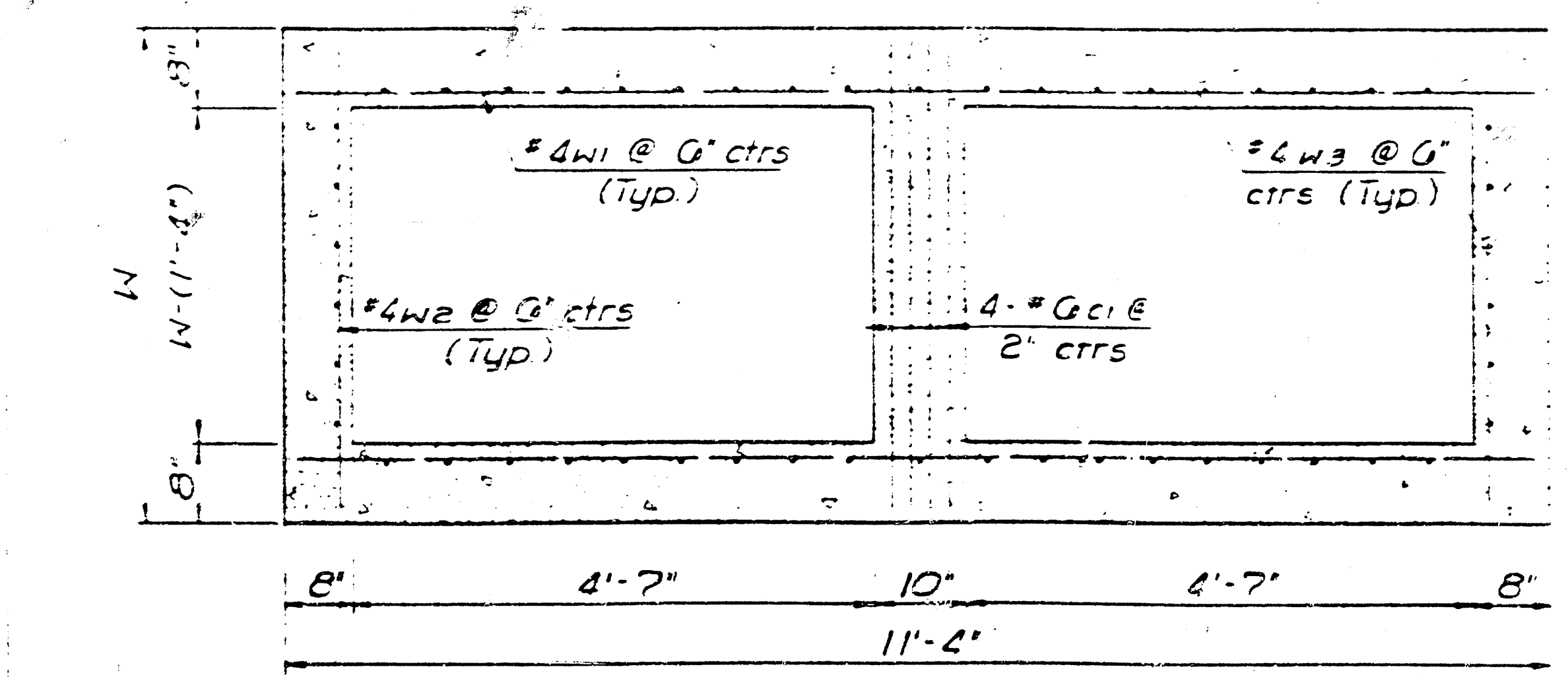
JUNE 1984



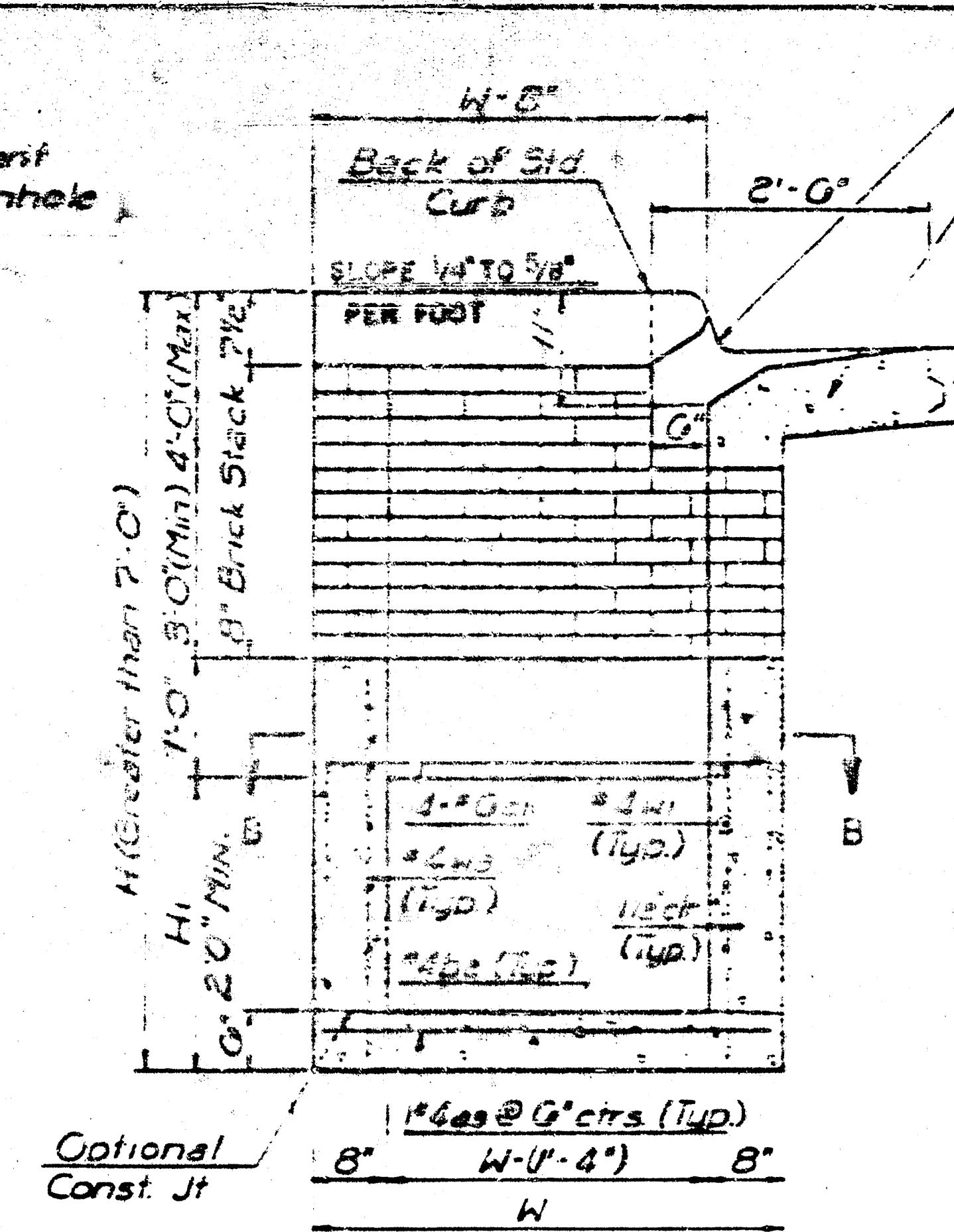
SLAB REINFORCING NOT SHOWN
SHOWING SLAB REINFORCING
PLAN



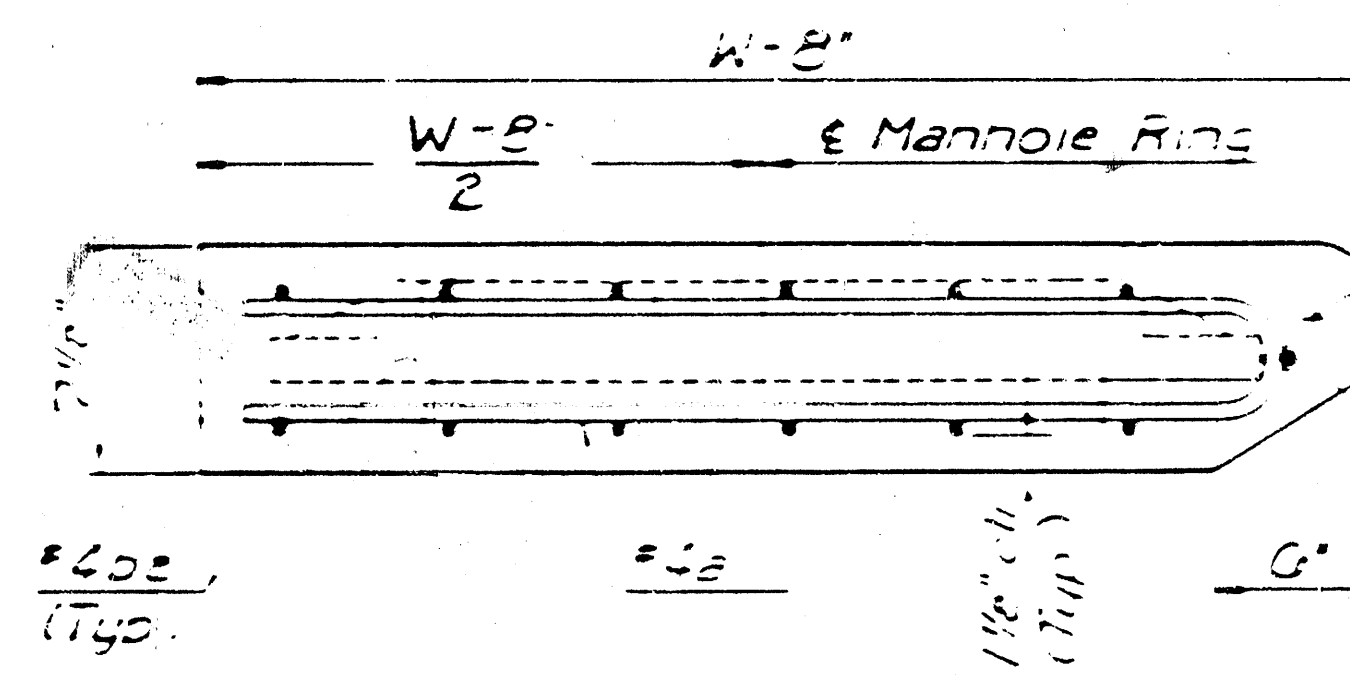
ELEVATION



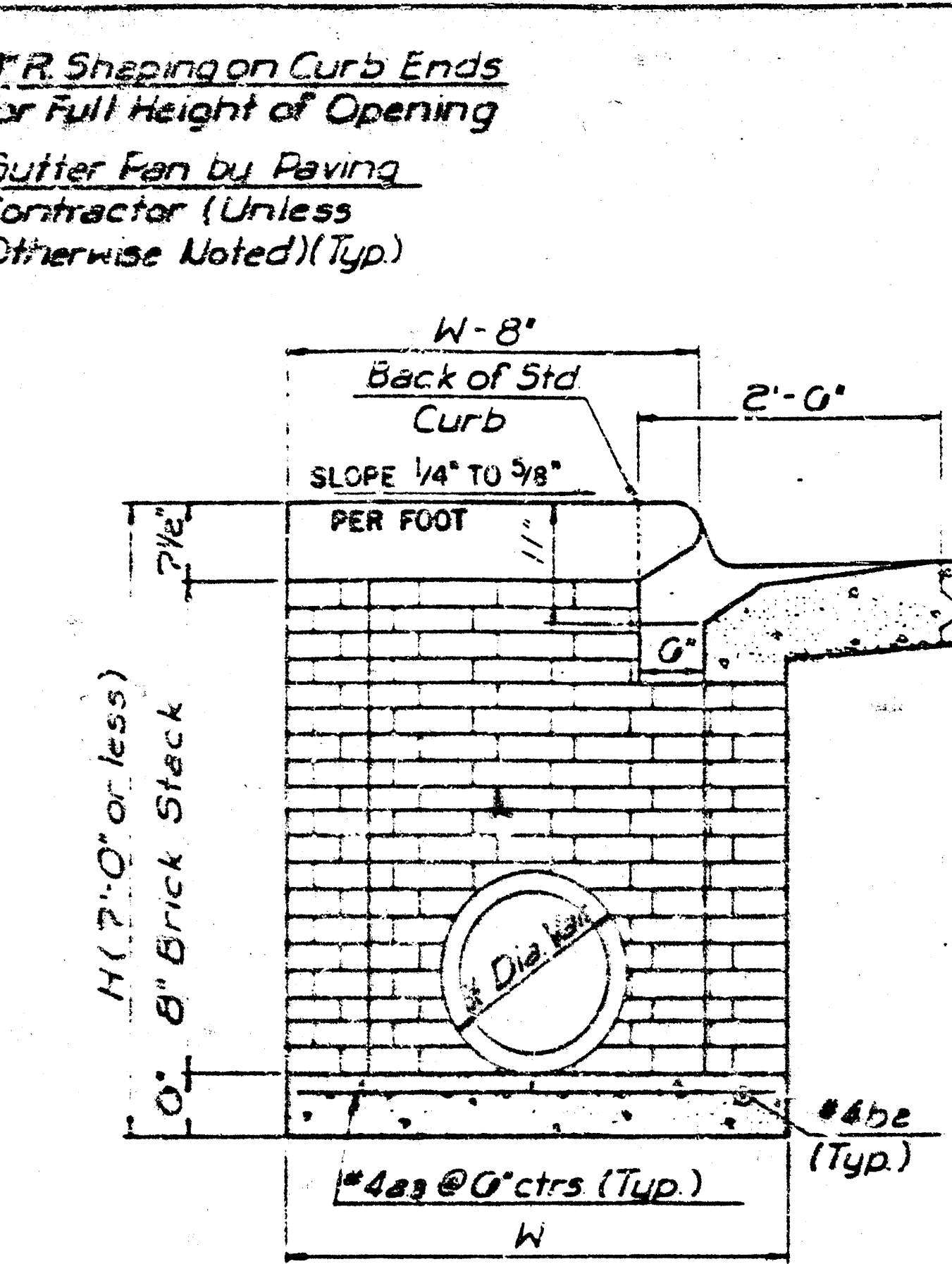
SECTION B-B



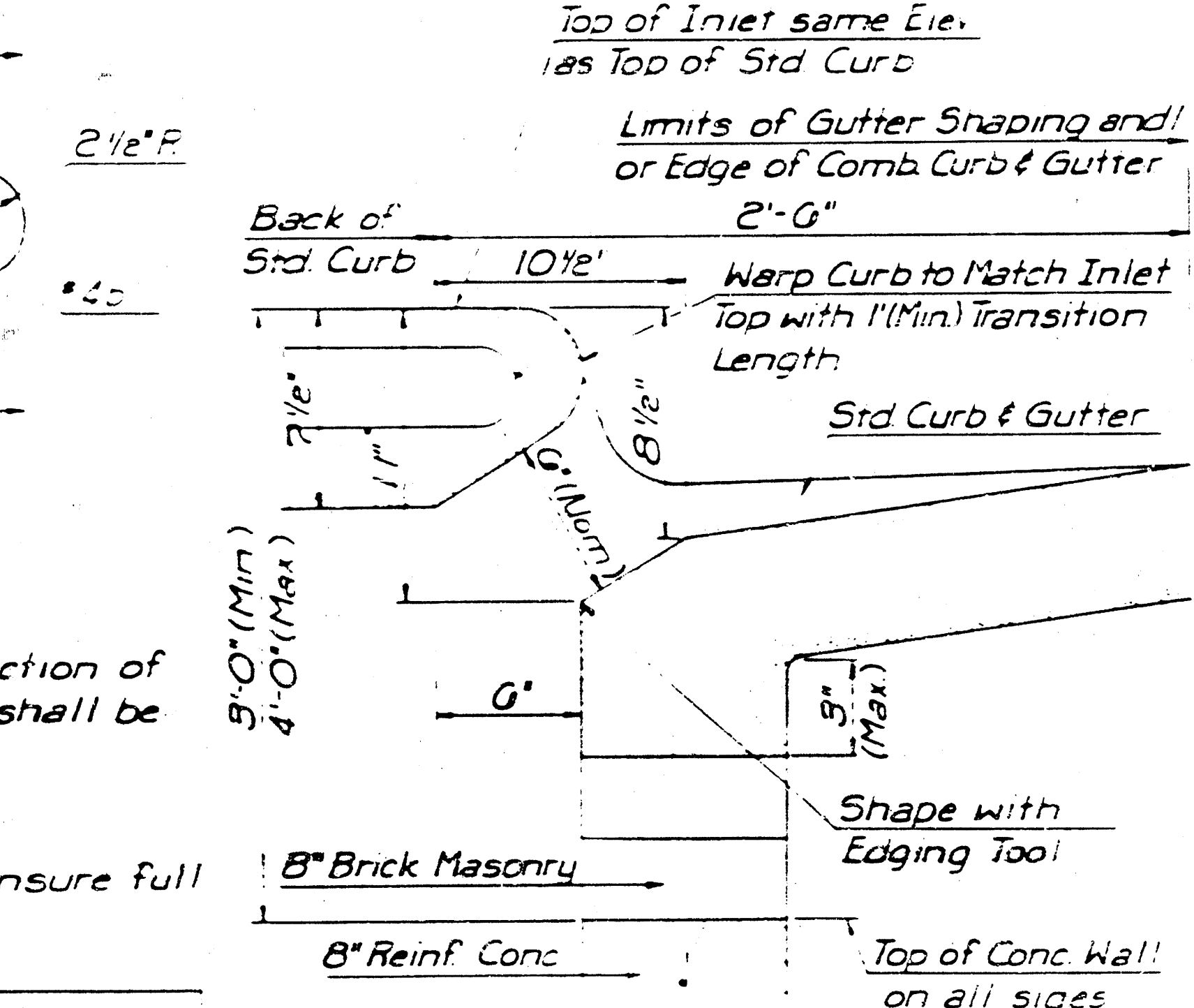
TYPICAL INLET SECTION AT CENTER WALL
(Reinforced Concrete Walls)



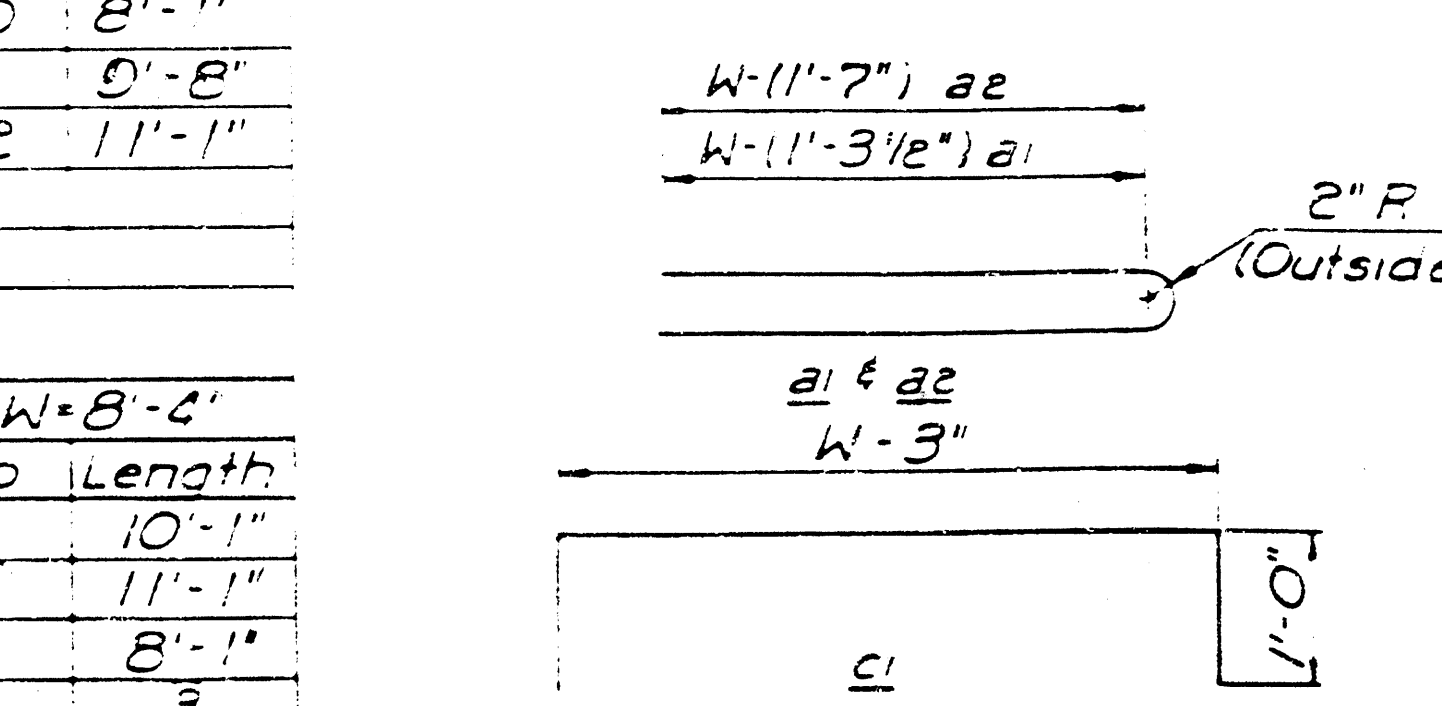
SECTION A-A



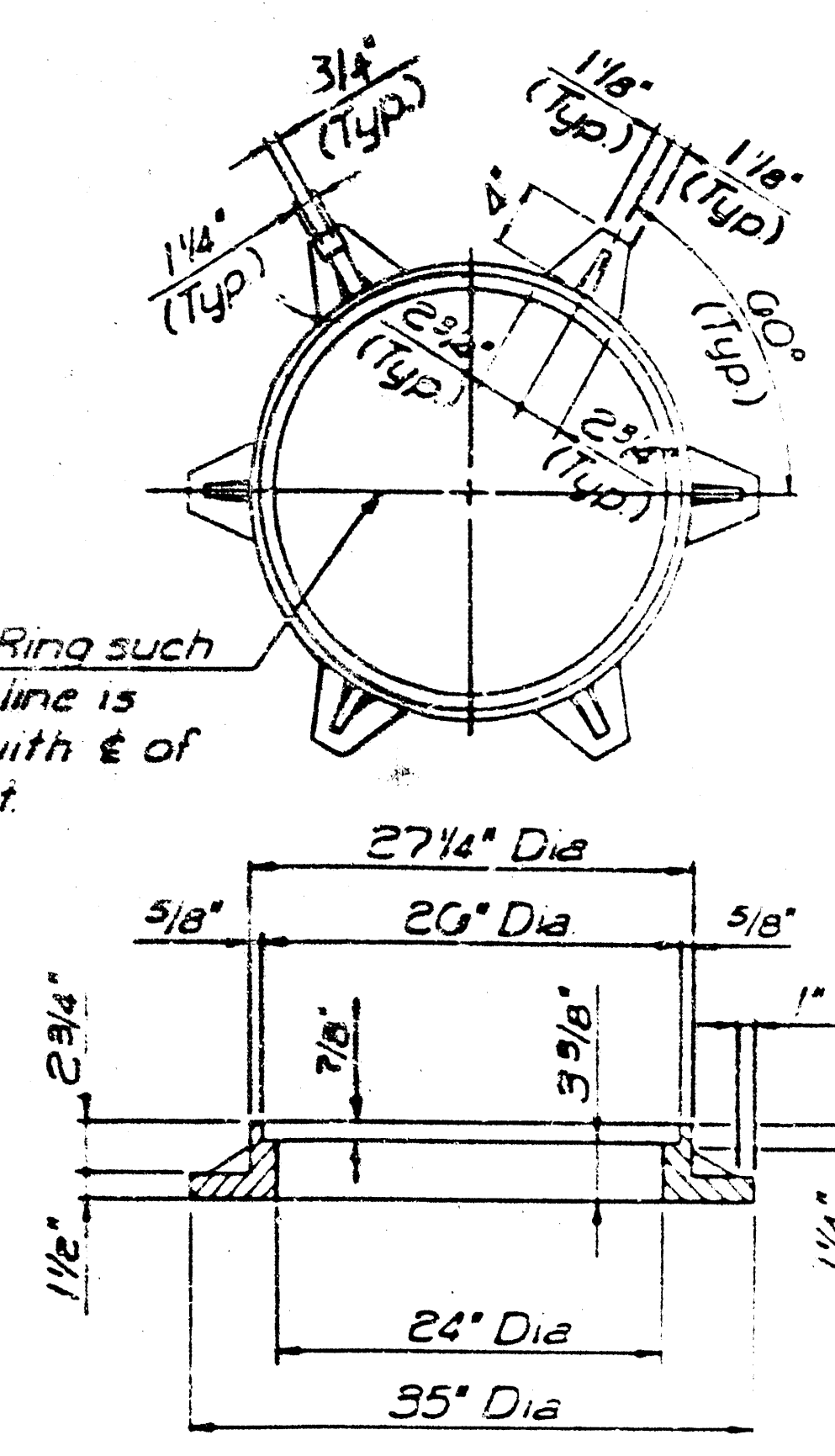
TYPICAL INLET SECTION AT CENTER WALL
(Masonry Walls)



SECTION C-C



BENDING DIAGRAMS



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.

GENERAL NOTE
Concrete shall be 3000 psi. Standard
Paving Mix All exposed edges shall be
finished with an edging tool.
Reinforcing Bars shall be bent, field
or cut to clear pipes.
All bars are #4 bars at 2'-0" spacing
and shall have a minimum clearance
of 1 1/2" unless otherwise noted.
Floors of inlets shall be shaped with
8 Sack Sand Mix Concrete to increase
hydraulic efficiency such that the
inlet will be self cleaning between
all inlet and/or outfall pipes.
The Contractor will be required
to construct 8" Brick Masonry
Walls between the concrete inlet
base and top on this inlet when
H = 7'-0" or less and W = 6'-4" or less.

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

SLAB AND FLOOR REINFORCING									
Mark	Size	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"
a2	#4	2	6'-0"	2	6'-0"	2	10'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"
b1	#4	1	5'-8"	1	5'-8"	1	5'-8"	1	5'-8"
b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"

WALL REINFORCING									
Mark	Size	No	Length	No	Length	No	Length	No	Length
c1	#4	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"
w3	#4	2	5	2	5	2	5	2	5

* Field bend or cut Reinforcing as required for clearance

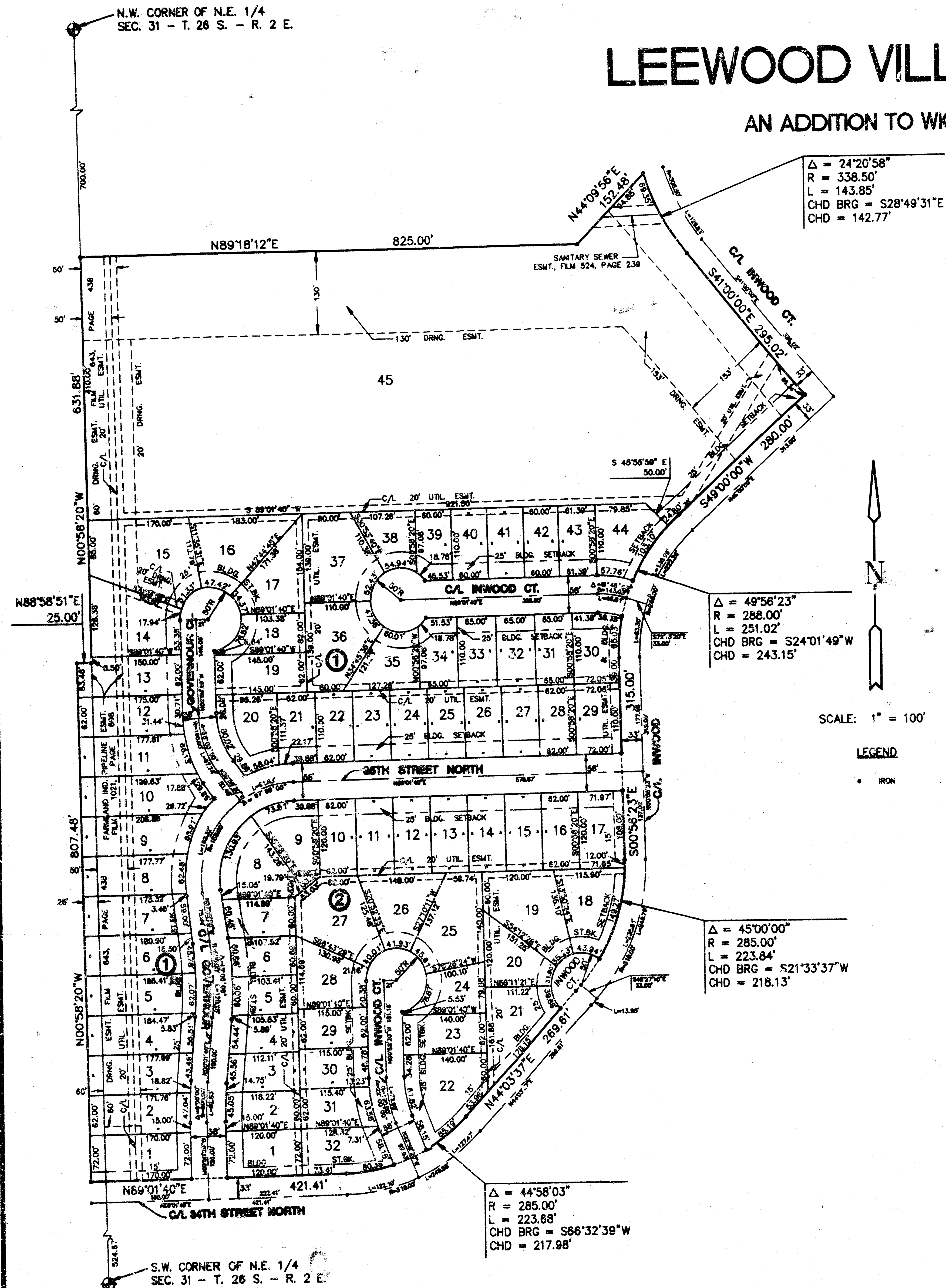
① 4 (H-1'-0") ② 40 x 4 (W-1) ③ H-1'-0")

REVISED 12-21-1984

**DETAIL STANDARD
TYPE I CURB INLET**
INLET OPENING = 6" x 10'-0"
CITY OF WICHITA
M.E. LINDEBAK, CITY ENGINEER
OCTOBER 1984

FINAL PLAT OF LEEWOOD VILLAGE AT NORTHROCK

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



I, Kenneth H. Bengtson, a Civil Engineer and Registered Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "LEEWOOD VILLAGE AT NORTHROCK", an addition to Wichita, Sedgwick County, Kansas, into lots, blocks, and streets the same being accurately set forth in the accompanying plat and described herein:

A tract of land lying in the Northeast and Northwest Quarters, Section 31, Township 26 South, Range 2 East of the 6th P.M., Sedgwick County, Kansas, more particularly described as follows:

Beginning at the Southwest corner of PARCEL NO. 104, an addition to Wichita, Sedgwick County, Kansas; thence N 89° 18' 12" E, 825.00 feet along the South line of said addition; thence N 44° 09' 56" E, 152.48 feet to a point on a curve to the left, said point also being the West line of 37TH STREET ADDITION, an addition to Wichita, Sedgwick County, Kansas; thence along said curve and said West line, 143.85 feet, said curve having a central angle of 24° 20' 58", a radius of 338.50 feet, and a long chord of 142.77 feet, bearing S 28° 49' 31" E; thence continuing along said West line, S 41° 00' 00" E, 295.02 feet to the intersection of the right of way of Inwood and 36th Street North; thence S 49° 00' 00" W, 280.00 feet along Inwood as platted in WILLAMETTE PLAZA SECOND ADDITION, an addition to Wichita, Sedgwick County, Kansas, to a point on a curve to the left; thence along said curve 251.02 feet, said curve having a central angle of 49° 56' 23", a radius of 288.00 feet, and a long chord of 243.15 feet, bearing S 24° 01' 49" W; thence S 00° 56' 23" E, 315.00 feet to a point on a curve to the right; thence along said curve 223.84 feet, said curve having a central angle of 45° 00' 00", a radius of 285.00 feet, and a long chord of 218.13 feet, bearing S 21° 33' 37" W; thence S 44° 03' 37" W, 269.61 feet to a point on a curve to the right; thence along said curve 223.84 feet, said curve having a central angle of 44° 58' 03", a radius of 285.00 feet, and a long chord of 217.98 feet, bearing S 66° 32' 38" W; thence S 89° 01' 40" W, 421.41 feet to a point on the East line of WILLAMETTE, an addition to Wichita, Sedgwick County, Kansas; thence N 00° 58' 20" W, 807.48 feet along said East line to the Northeast corner of said WILLAMETTE; thence N 88° 58' 51" E, 25.00 feet along the extended North line of said WILLAMETTE, to the Southeast corner of the North Half of the Northeast Quarter of said Section 31; thence N 00° 58' 20" W, 411.88 feet along the West line of said Northeast Quarter, to the point of beginning.

The drainage easements recorded on Film 679, Page 774 and Film 984, Page 164 located within the above described property are being vacated by virtue of K.S.A. 12-812(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this _____ day of _____, 1992.

Kenneth H. Bengtson, P.E., R.L.S. #922
Mid-Kansas Engineering Consultants, Inc.
3500 N. Rock Road, Building #800
Wichita, KS 67226

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineer's and Registered Land Surveyor's Certificate, have caused the same to be surveyed and platted into lots, blocks, and streets the same to be known as "LEEWOOD VILLAGE AT NORTHROCK", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for the construction and maintenance of drainage and public utilities as indicated on the accompanying plat, are hereby granted.

LEEWOOD HOMES, INC.

BY: Joe H. Lee, President

STATE OF KANSAS,
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this _____ day of _____, 1992, before me the undersigned, a Notary Public in and for the County and State aforesaid, came Joe H. Lee, President of Leewood Homes, Inc., personally known to me to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

Notary Public

My appointment expires: _____

We, BANK IV WICHITA, N.A., mortgagees on the above described property, do hereby consent to the plat of "LEEWOOD VILLAGE AT NORTHROCK".

BANK IV WICHITA, N.A.

BY:

STATE OF KANSAS,
SEDGWICK COUNTY)

BE IT REMEMBERED, that on this _____ day of _____, 1992, before me the undersigned, a Notary Public in and for the County and State aforesaid, came for BANK IV WICHITA, N.A., personally known to me to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

Notary Public

My appointment expires: _____

This plat of LEEWOOD VILLAGE AT NORTHROCK has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this _____ day of _____, 1992.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Christopher J. Gabel, CHAIRMAN

Marvin S. Kriut, SECRETARY

This plat approved and all dedications shown hereon, if any, accepted by the City Council of the City of Wichita, Kansas, this _____ day of _____, 1992.

Bob Knight, MAYOR

Pat Burnett, DEPUTY CITY CLERK

Enter on transfer record this _____ day of _____, 1992.

Don Wright, COUNTY CLERK

STATE OF KANSAS,
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this _____ day of _____, 1992.

Pat Kettler, REGISTER OF DEEDS

Ed Rea, DEPUTY