

# STORM SEWER NO. 387

## TEAL COVE 3RD

PROJECT NO.  
468-81976

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

INDEX CODE: 750240

### GENERAL NOTES

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- 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 UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD 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:  

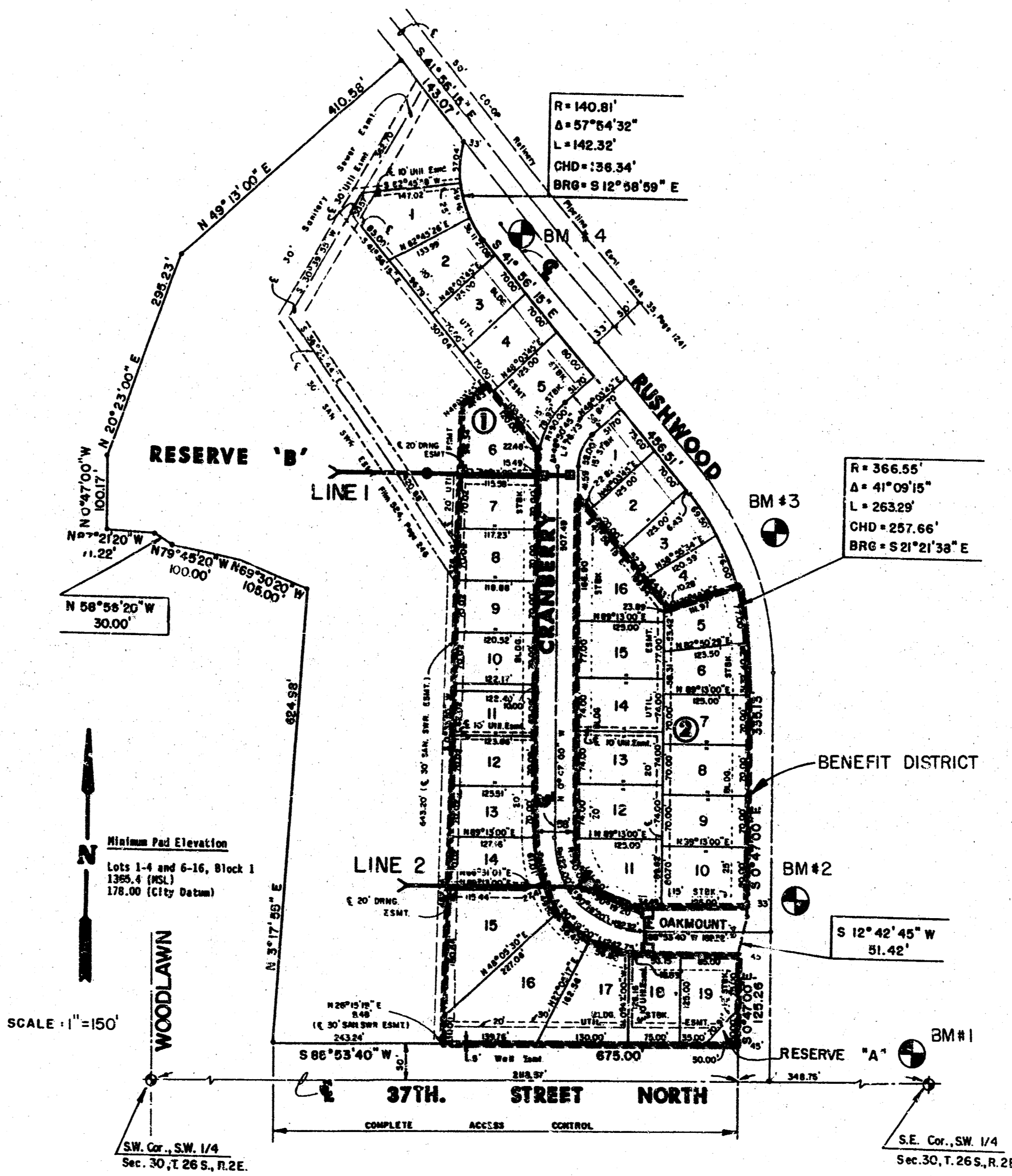
KANSAS ONE-CALL                    1-800-344-7233  
OR 687-2470 (LOCAL WICHITA)

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  
CITY OF WICHITA SEWER MAINTENANCE       268-4908  
ARKLA GAS COMPANY                             942-8350 OR 263-8161
- 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.
- 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. INLET DEPRESSIONS NEED TO BE TIED TO CURB, GUTTER, AND PAVING.

### BENCH MARKS

- B.M. #1 City of Wichita B.M. Disc. 30" M & 34" W of Centerline of 37th St. N. & Gouverneur Elev. = 185.54
- B.M. #2 " " " Cut on N. End of Curb Return Across Rushwood from Lot 10, Block 2, Teal Cove 3rd Elev. = 181.765
- B.M. #3 " " " on S. end of S. Curb return across Rushwood from Lot 4, Block 2, Teal Cove 3rd Elev. = 185.35
- B.M. #4 " " " Cut on top of curb at the P.C. across Rushwood from Lot 2, Block 1, Teal Cove 3rd Elev. = 177.41



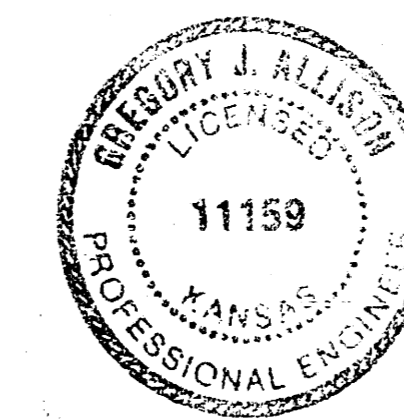
### INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN & PROFILE - LINE 1
3	PLAN & PROFILE - LINE 2
4-5	STD. TYPE 'A' CURB INLET DETAILS
6	STD. TYPE 'A' MANHOLE DETAIL
7	TEAL COVE 3RD FINAL PLAT



LOCATION MAP

*Booked  
7-91  
McG*

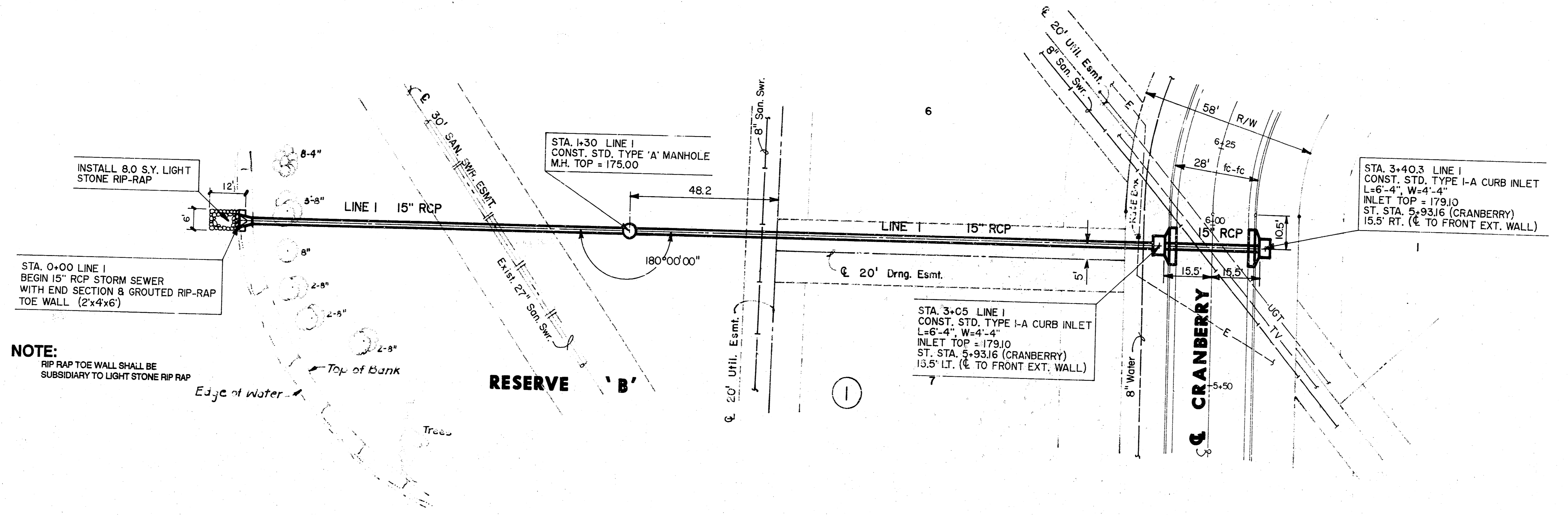


MKEC PROJ. NO. 91-02-113 D

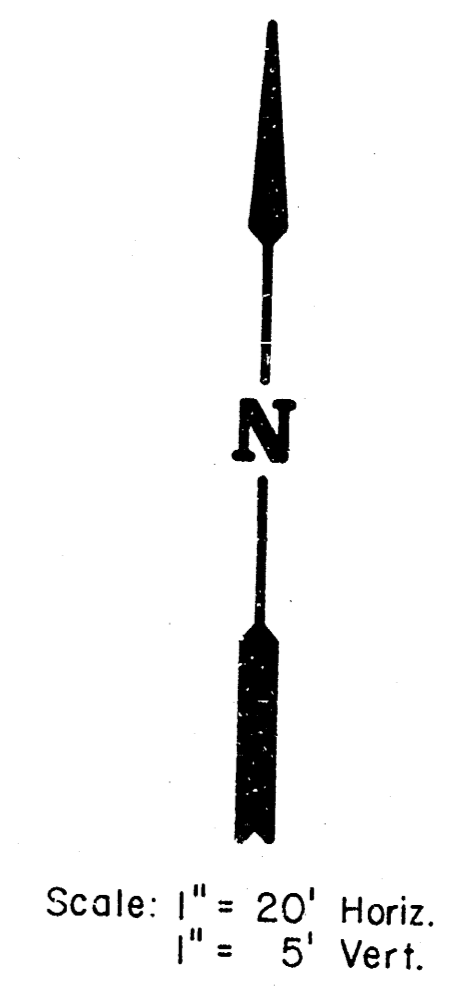
	<b>TEAL COVE 3RD</b> <b>STORM WATER SEWER</b> <b>PLANS</b>	Design: GJA Drawn by: DPR Checked by: Date: APRIL 1991 Job no:
	MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226	Sheet 7 of 7

636-5566

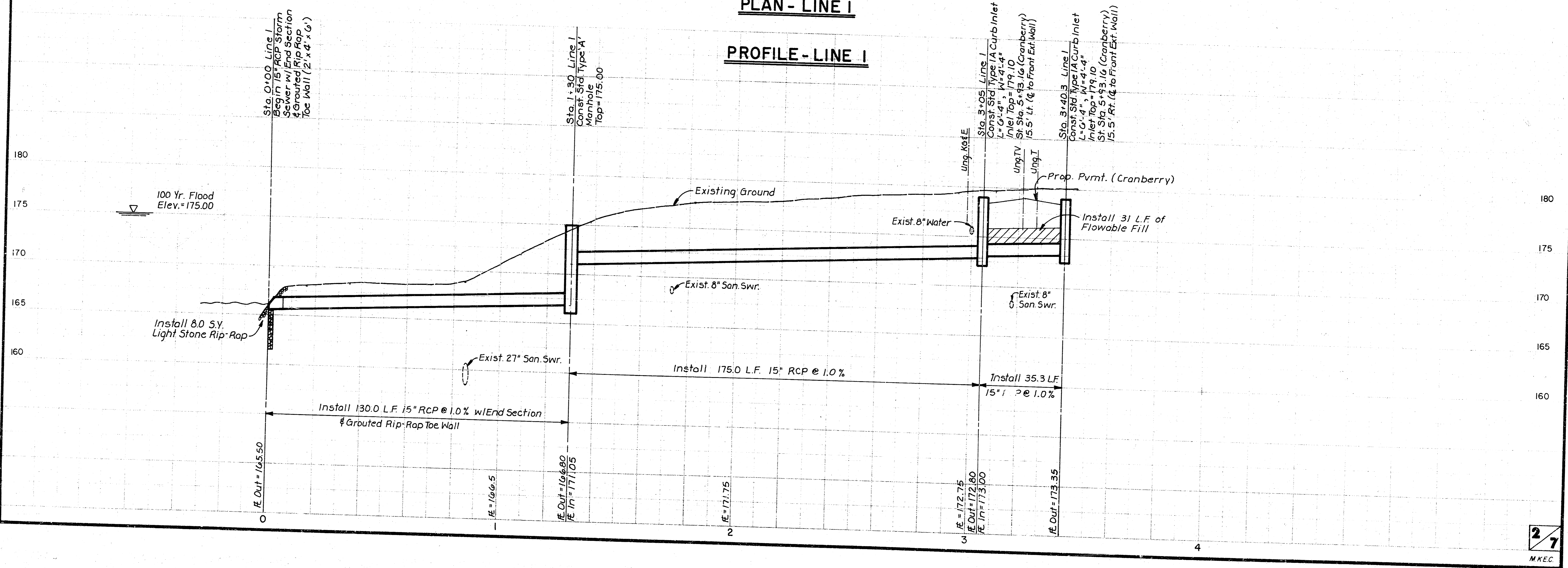
NOTE: CONTRACTOR SHALL CALL KEN McLEMORE (KGR, 261-6774) TO COORDINATE THE BACK OF ELECTRICAL BOX. ANY COST ASSOCIATED WITH THE BACK SHALL BE CONSIDERED SUBSIDIARY TO PROJECT.



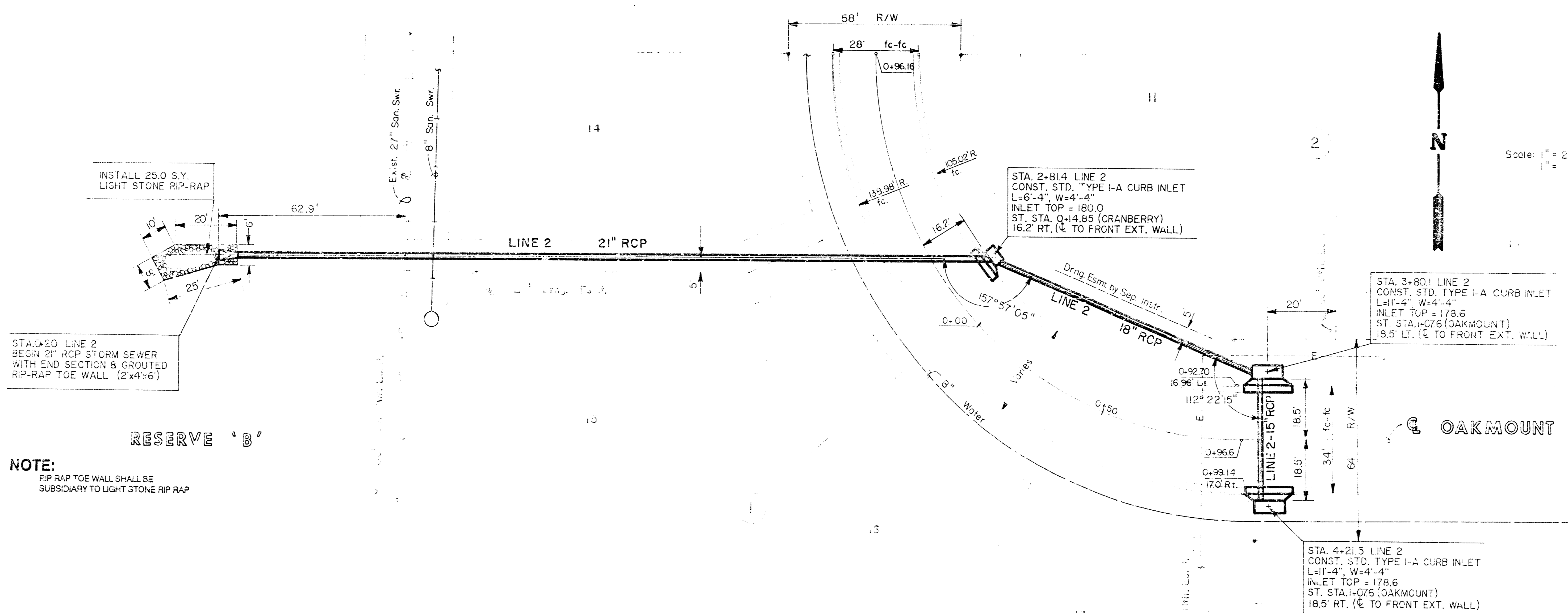
NOTE:  
 RIP RAP TOE WALL SHALL BE SUBSIDIARY TO LIGHT STONE RIP RAP



**PLAN - LINE I**  
**PROFILE - LINE I**

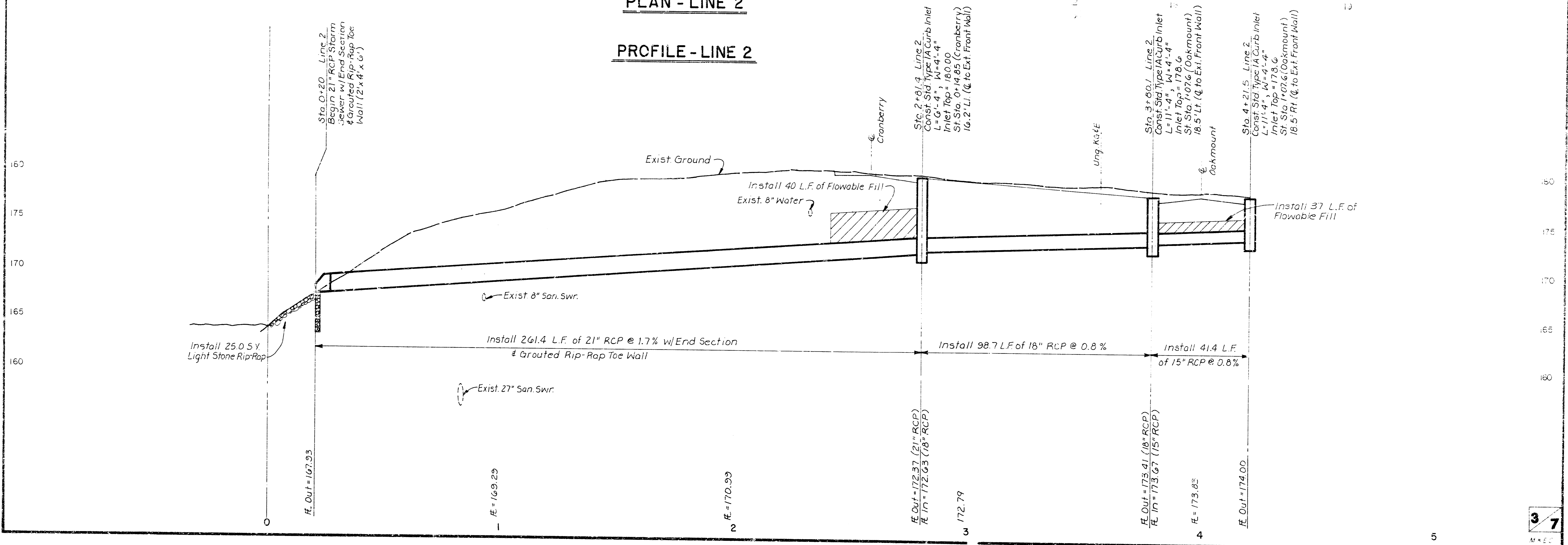


Scale: 1" = 20' Horiz.  
 1" = 5' Vert.

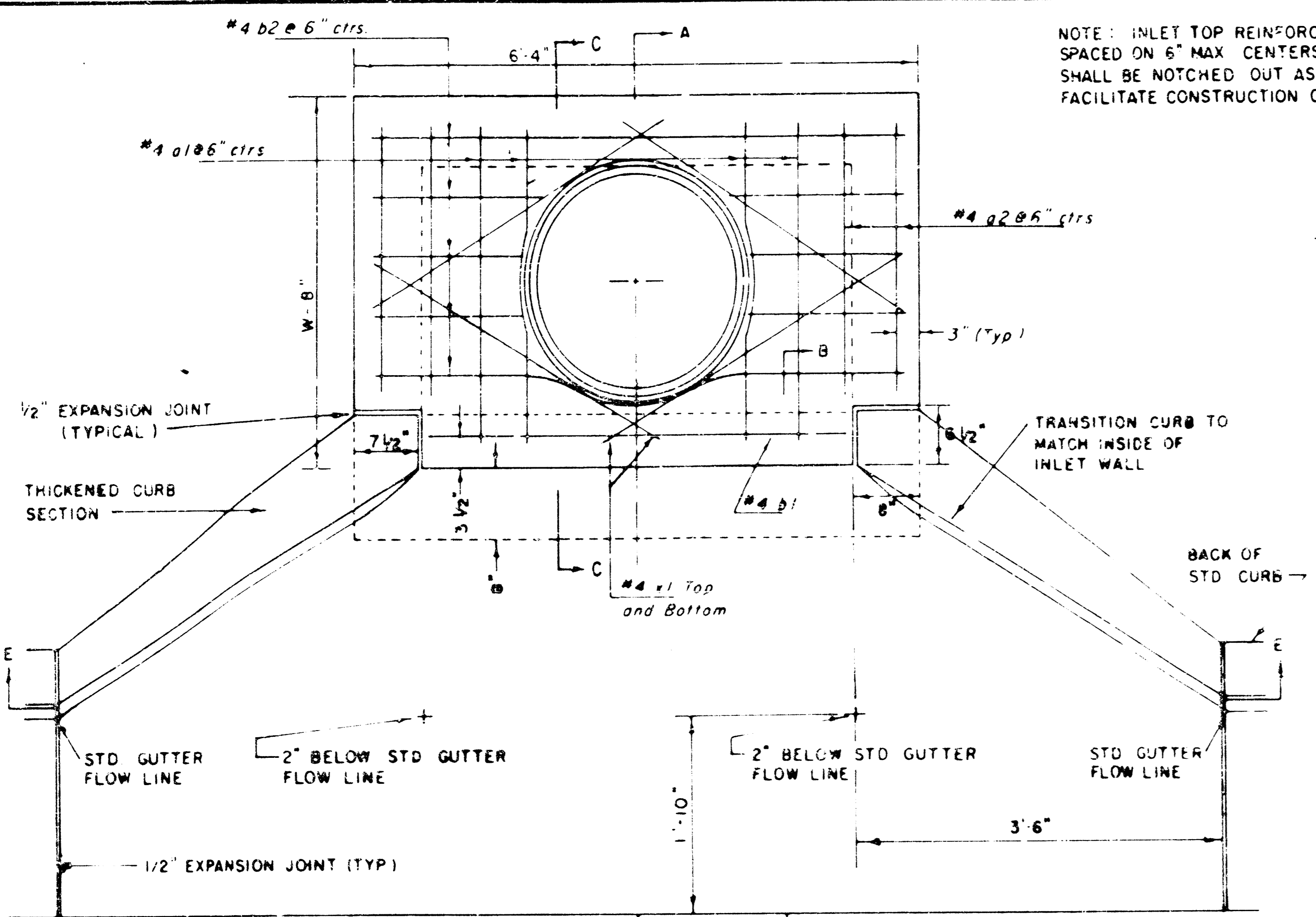


**PLAN - LINE 2**

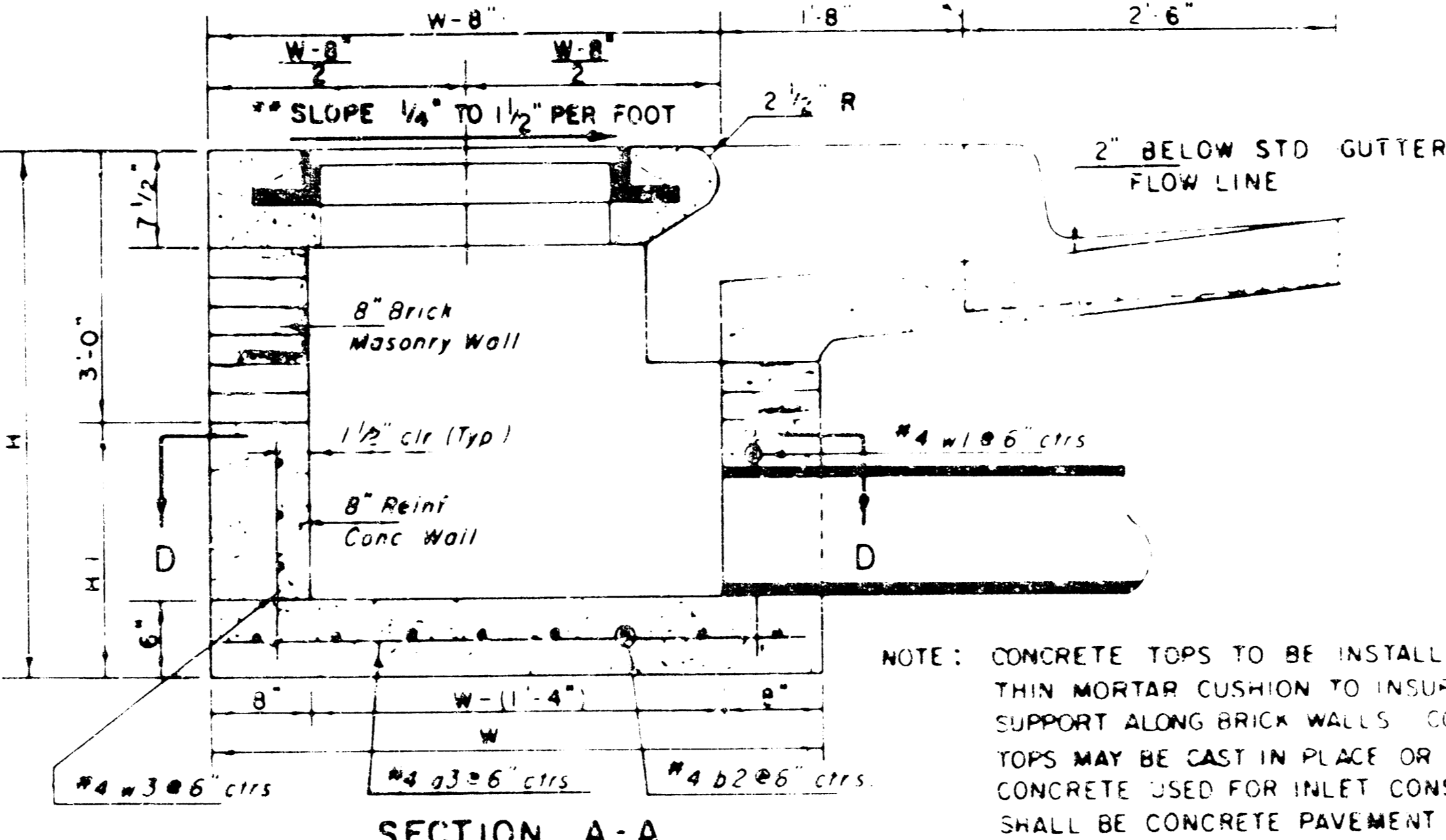
**PROFILE - LINE 2**



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



PLAN



SECTION A-A

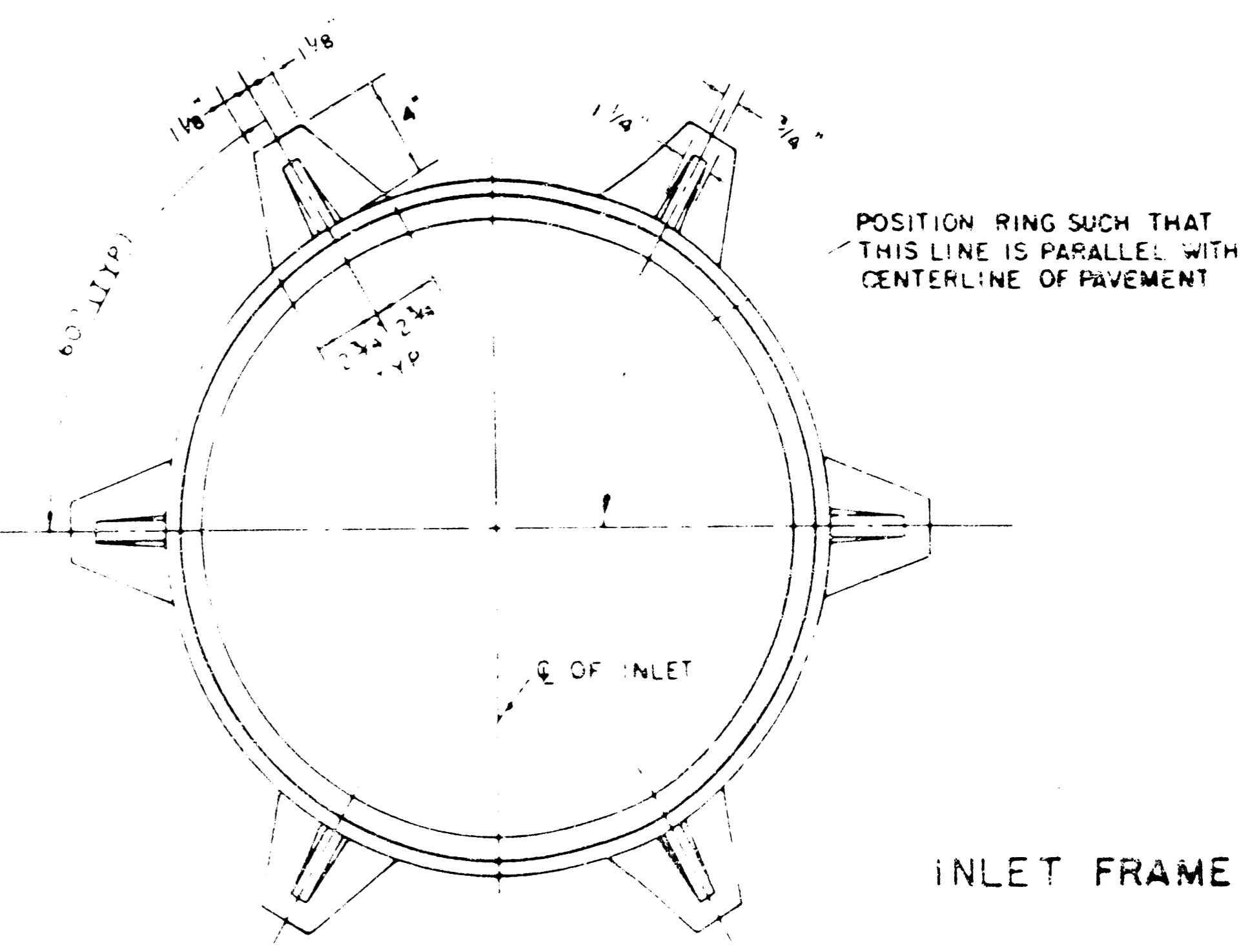
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN H = 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.

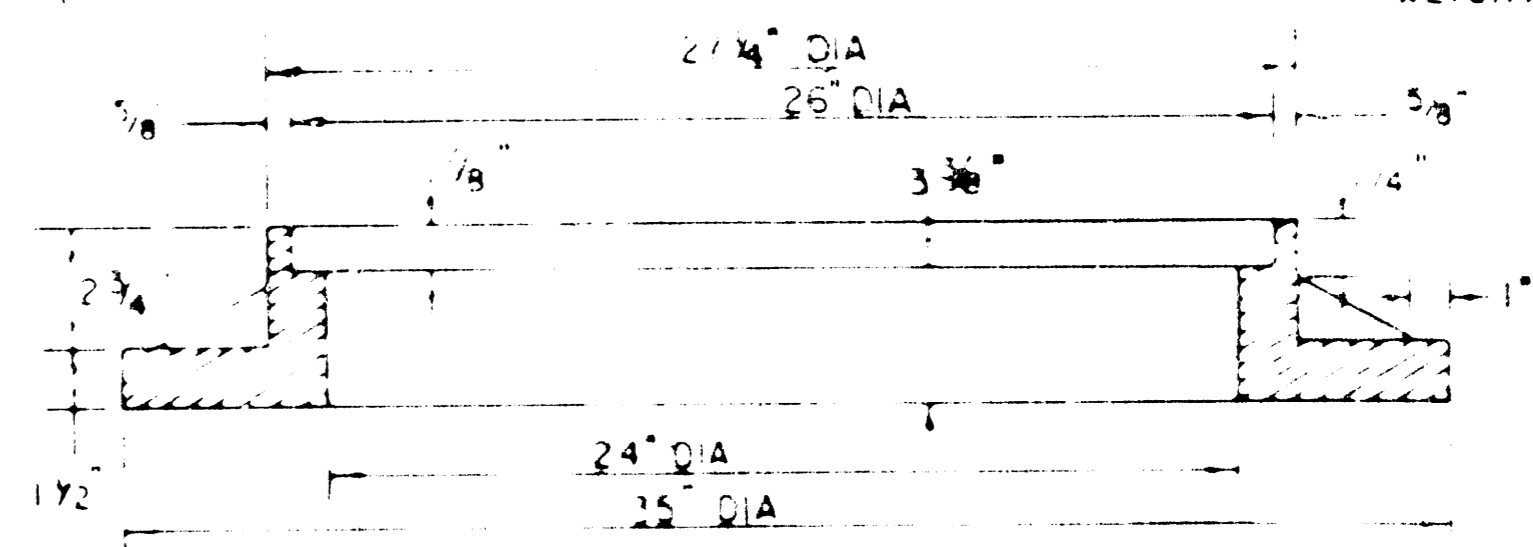
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

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

BENDING DIAGRAM

PRECAST SLAB AND FLOOR REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
Tot	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
02	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
03	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
01	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
102	#4	23	6'-1"	29	5'-1"	35	6'-1"	41	6'-1"	47	6'-1"
11	#4	8	3'-10"	8	4'-2"	8	4'-6"	9	4'-10"	8	5'-2"

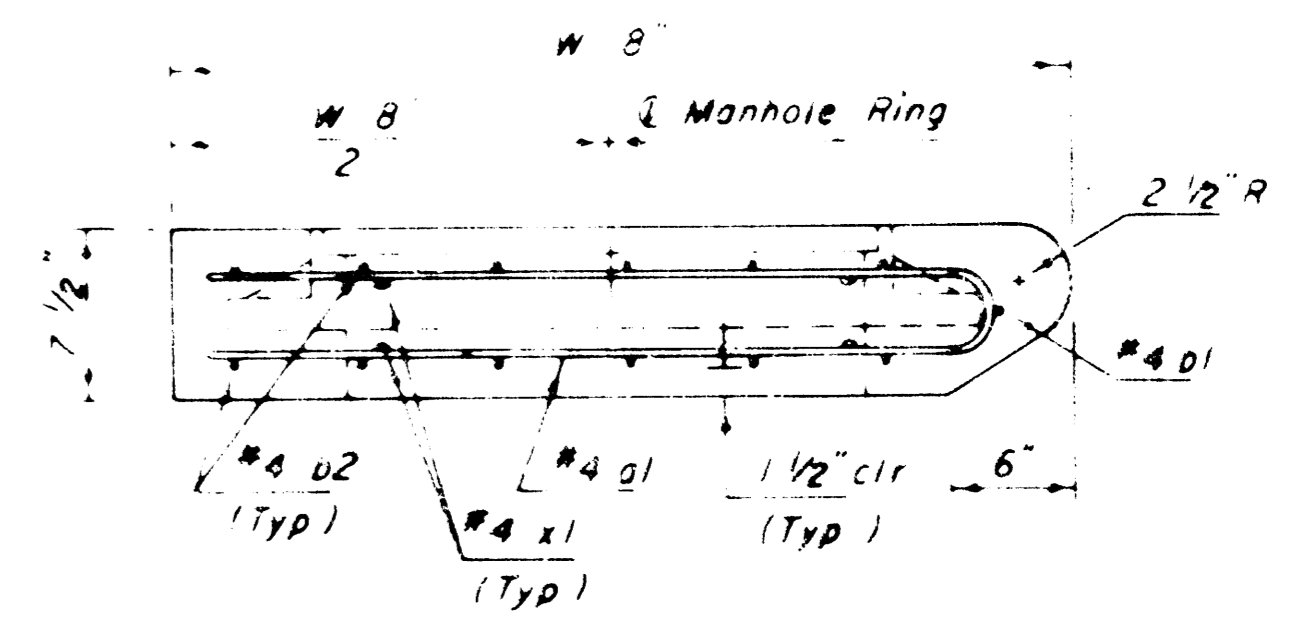
  

WALL REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	32	2	36	2	40	2	44	2	48	2

\* Field bend or cut reinforcing as required for clearance  
 ① 4(HI-12"), (HI-12") Round down to nearest 0.5"  
 ② HI-3"

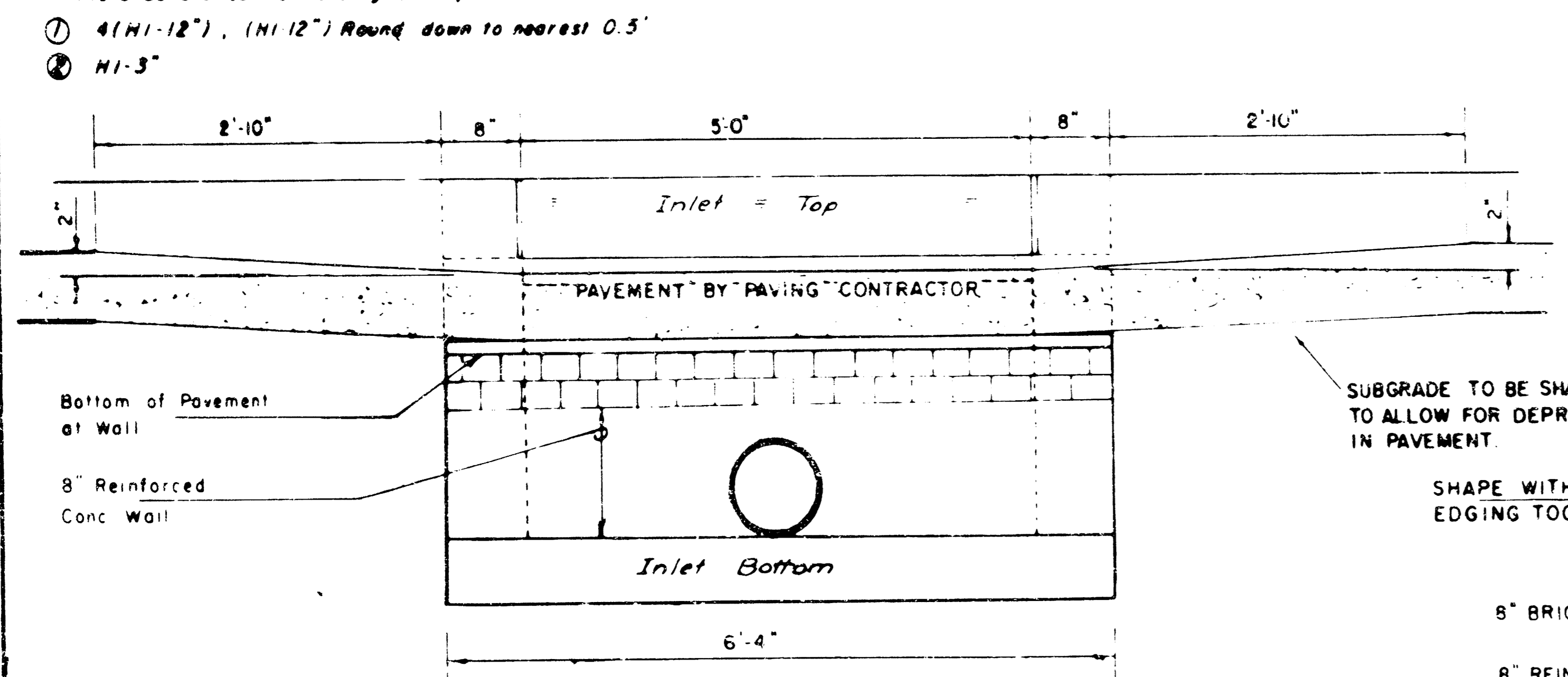
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU YD COM
4'-4"	36" x 64" x 7 1/2"	21" Ø SMALLER	0.38 ±
5'-4"	48" x 64" x 7 1/2"	24" Ø 30"	0.51 ±
6'-4"	58" x 64" x 7 1/2"	36" Ø 42"	0.64 ±
7'-4"	68" x 64" x 7 1/2"	48" Ø 54"	0.77 ±
8'-4"	78" x 64" x 7 1/2"	60" Ø 66"	0.90 ±

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

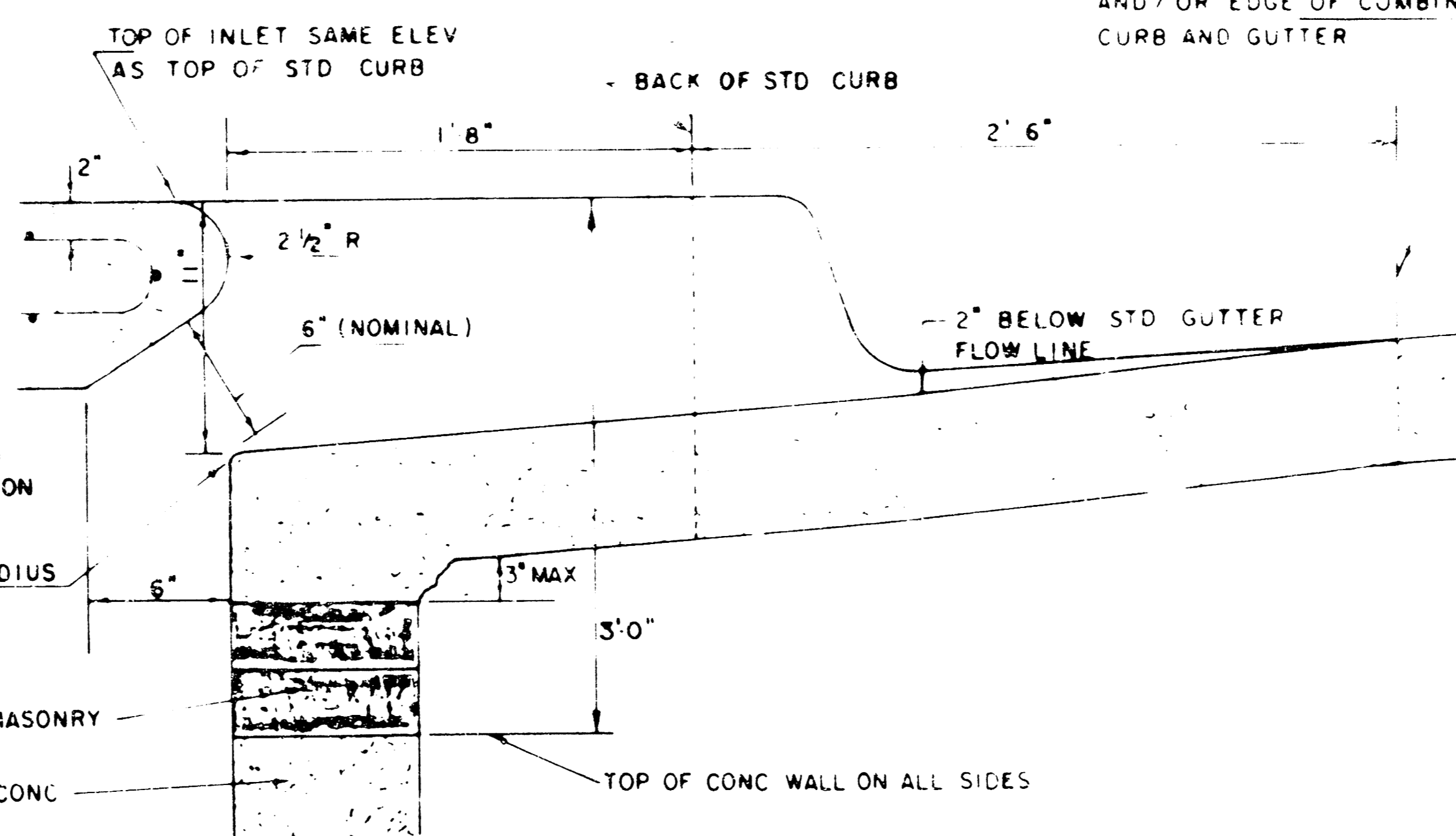


SECTION C-C

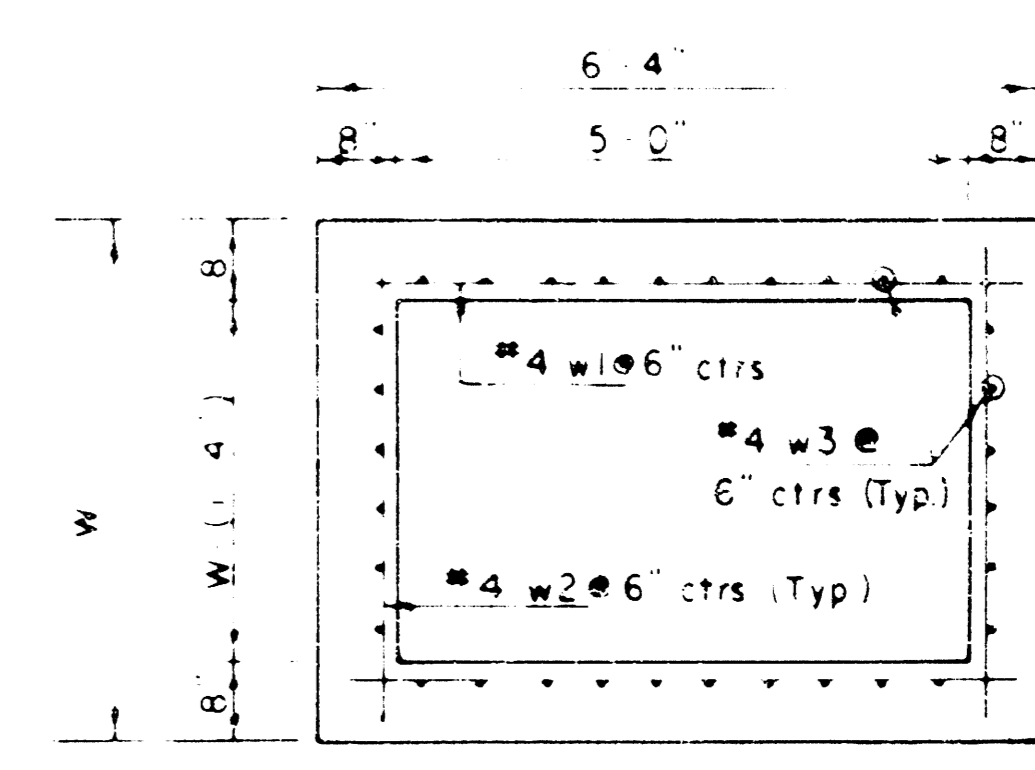
LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMBINED CURB AND GUTTER



SECTION E-E



SECTION B-B



SECTION D-D

REVISED 11-30-1988  
 REVISED 12-31-1984  
 Revised 2-16-1989

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

JUNE 1984



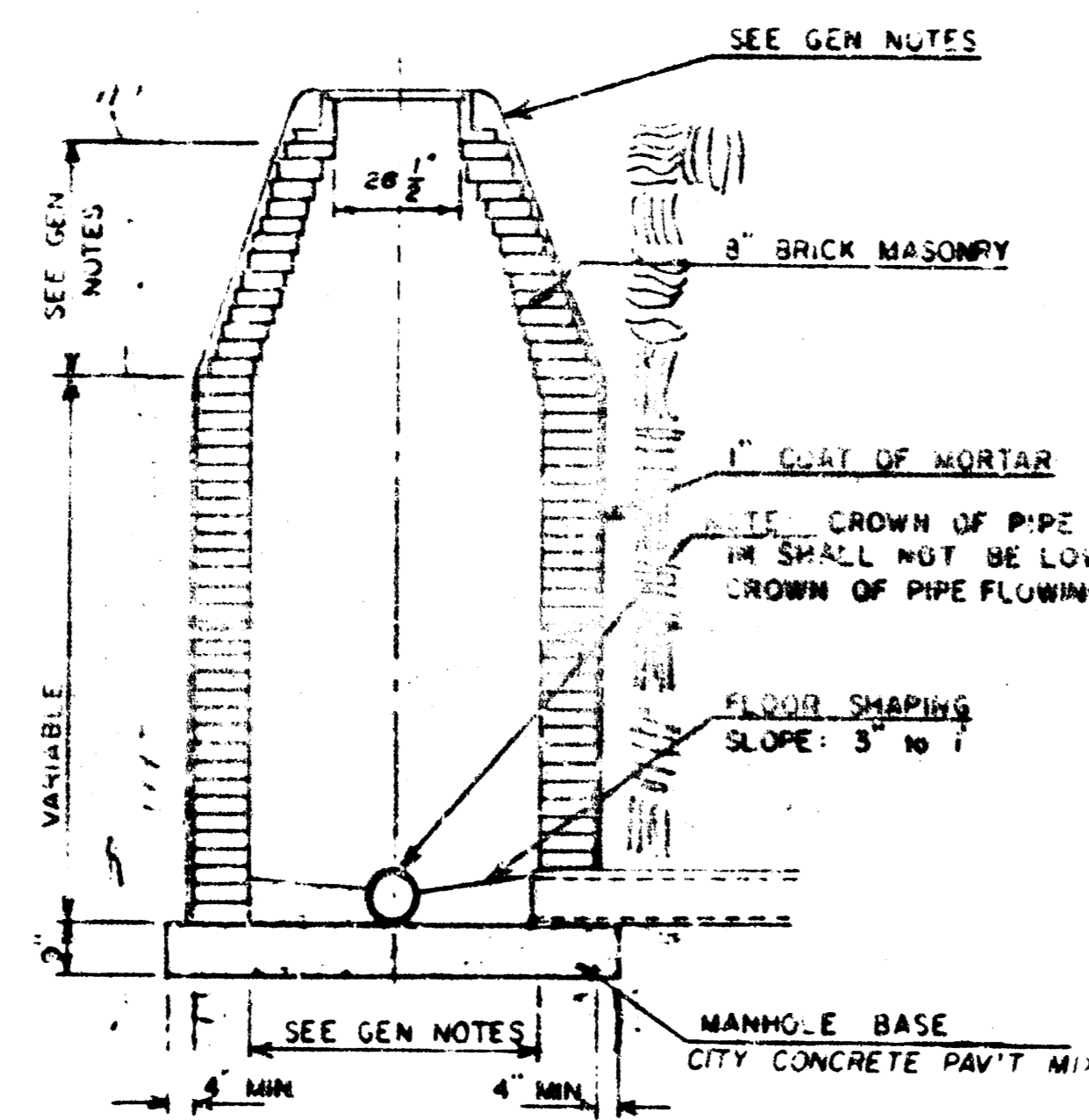
# SEWER APPURTENANCES DETAILS

REVISED SEPTEMBER 1980  
REVISED DECEMBER 1981

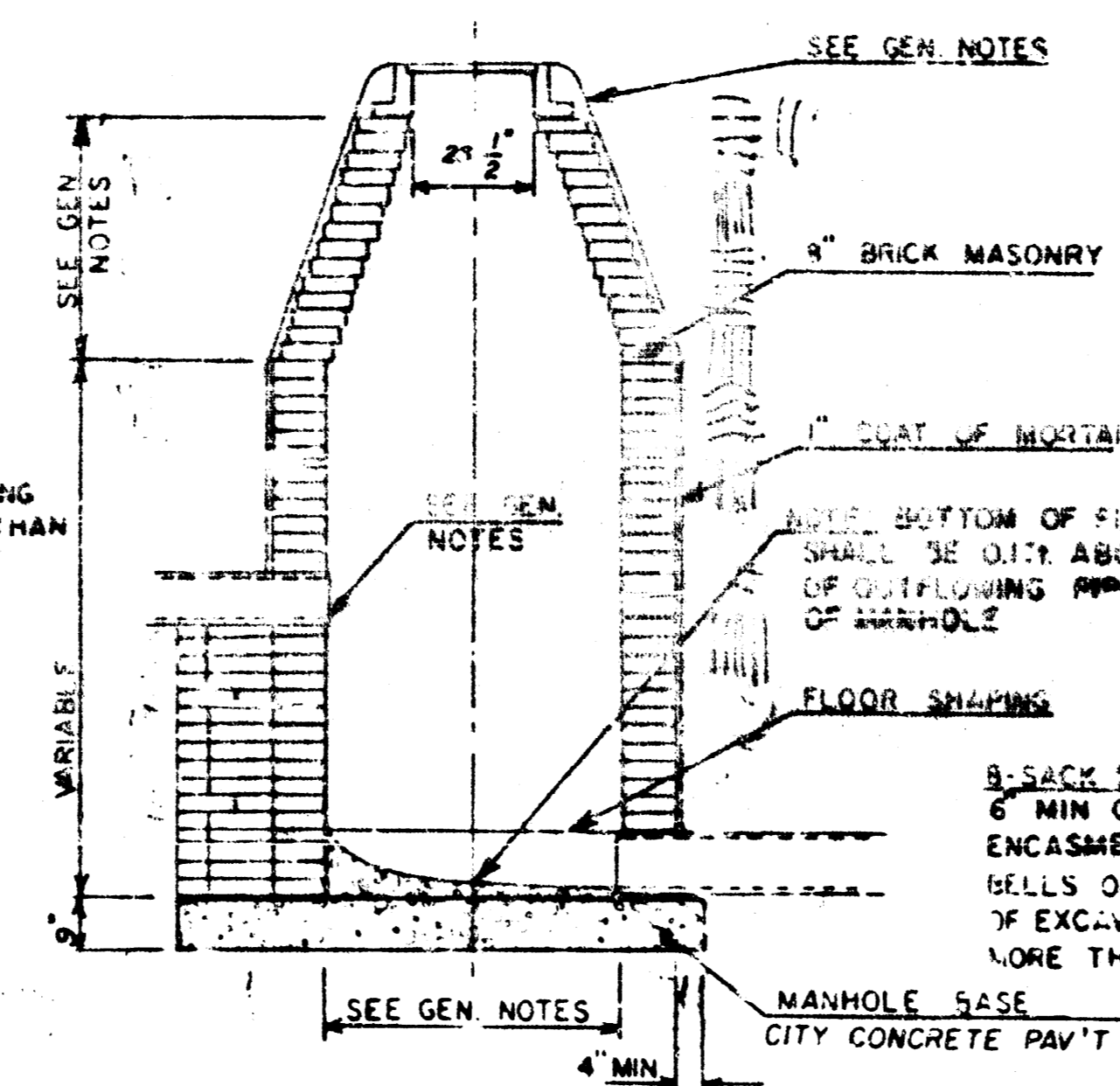
ADOPTED AS STANDARD DESIGN  
BY

CITY OF WICHITA, KANSAS

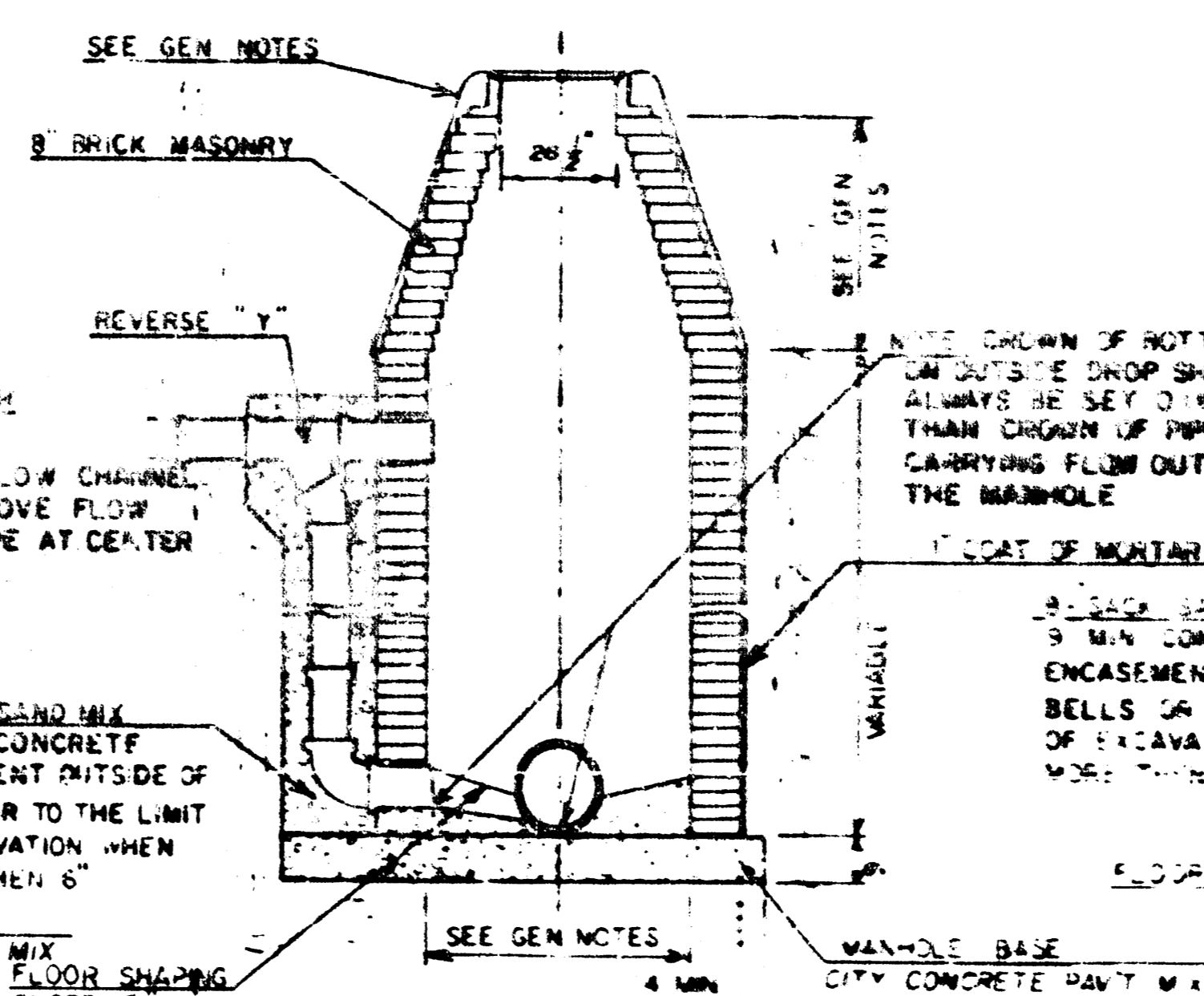
TYPE "A" MANHOLE



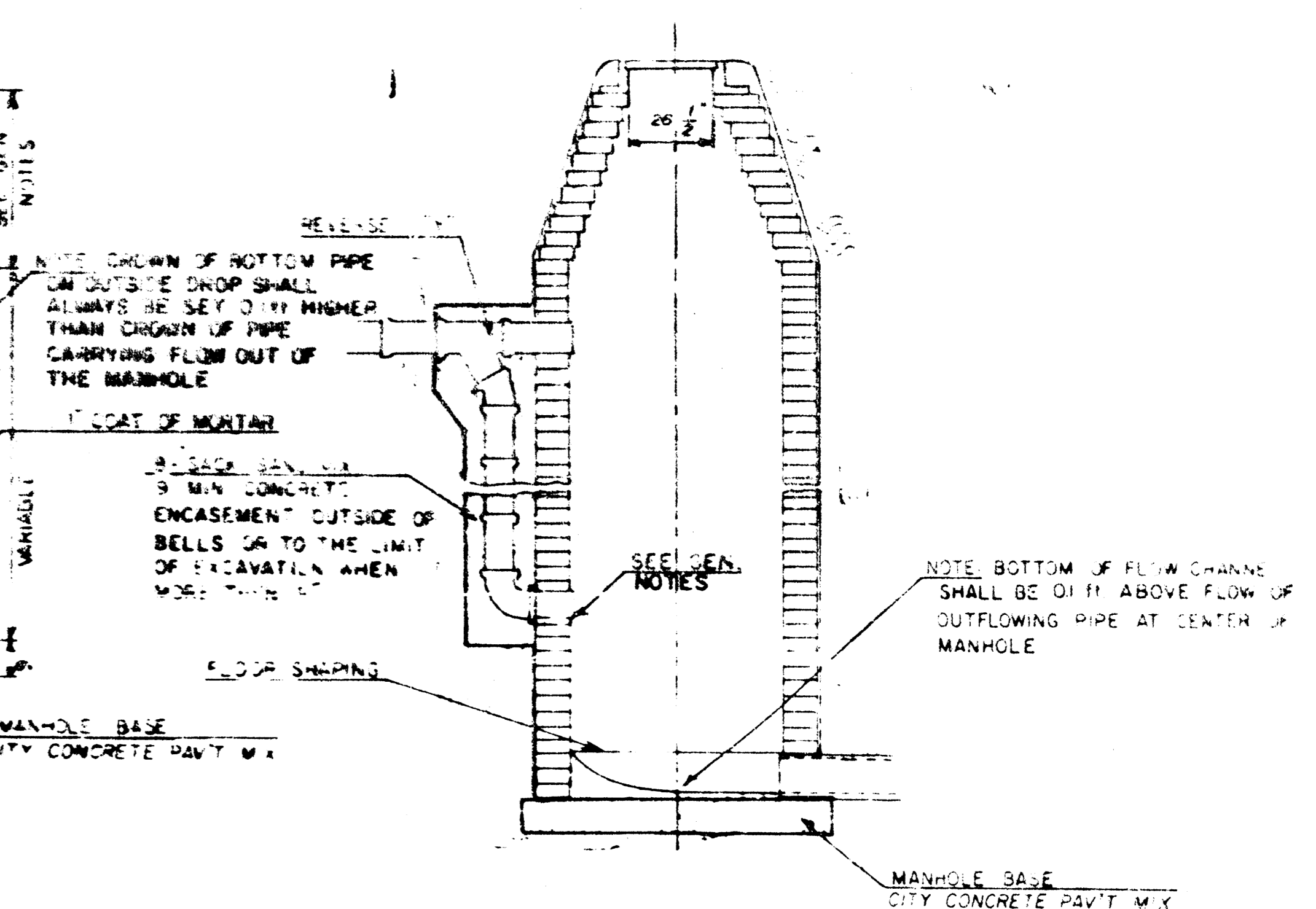
TYPE "A" INSIDE DROP MANHOLE



TYPE "A" OUTSIDE DROP MANHOLE



DETAIL OF OUTSIDE DROP  
CONSTRUCTED ON EXISTING MANHOLE

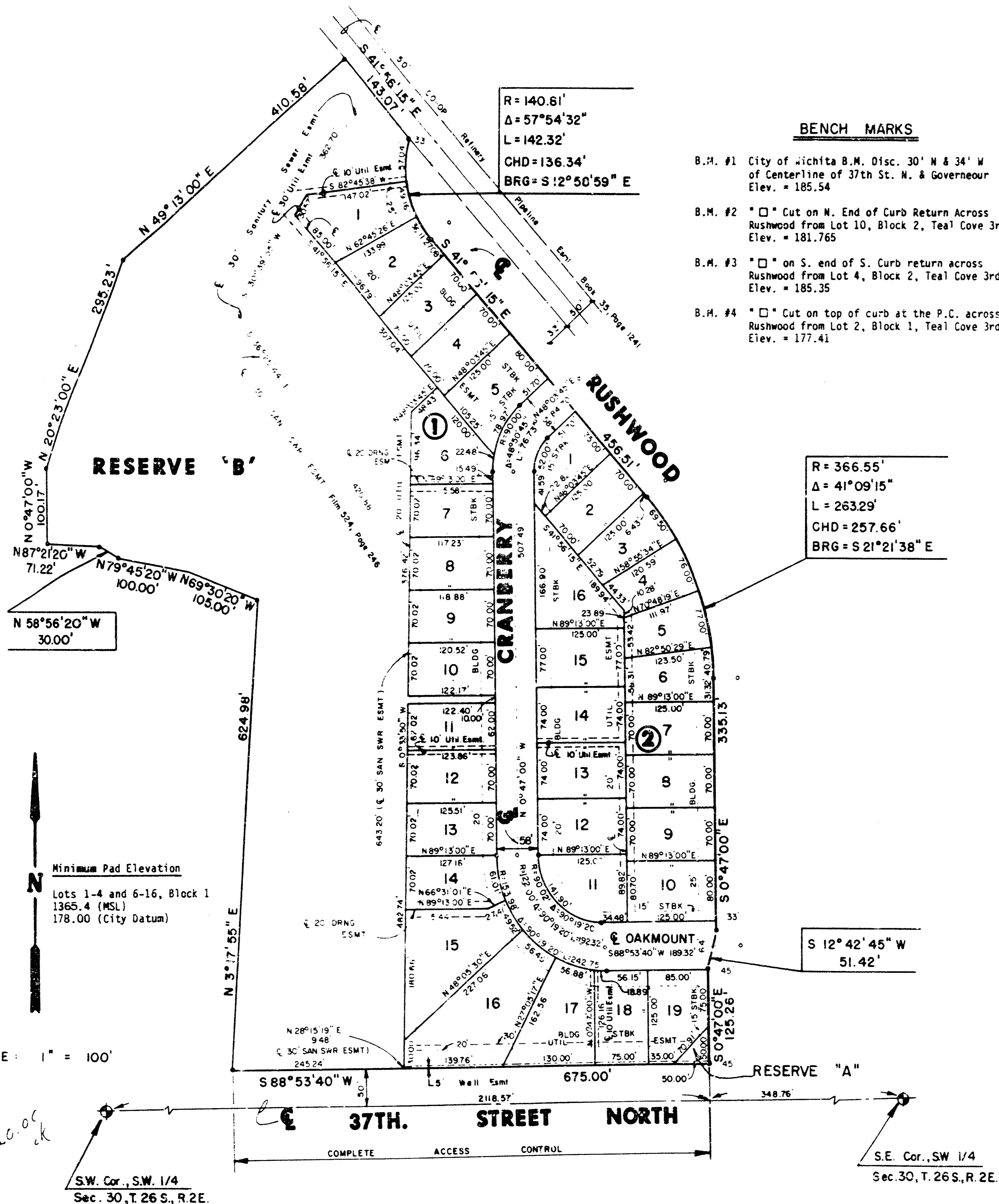


GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "A" MANHOLES CAN BE USED ON SEWERS UP TO 16' IN DEPTH WHEN THE MANHOLE IS NOT LOCATED WITHIN PUBLIC STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. THE HEIGHT OF THE CORBELS ON 4' DIAMETER MANHOLES SHALL BE 4'. MANHOLES HAVING A DIAMETER OF 5' SHALL HAVE CORBELS 6' IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THE VERTICAL DROP FROM THE LOWER PIPE ON SUCH OUTSIDE DROP CONNECTIONS SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES SIZED LARGER THAN 12". EXCEPT THE CROWN OF THE LOWER PIPE SHALL NEVER BE SET BELOW THE CROWN OF ANY LARGER OUTFLOWING PIPE. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDIFICATION COULD BE DEPOSITED AS SLUDGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPES AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAR LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHIPPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF THE CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWN OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES TYPE "A" AND STANDARD INSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "A" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

# FINAL PLAT OF TEAL COVE 3RD

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



### BENCH MARKS

- B.M. #1 City of Wichita B.M. Disc. 30' N & 34' W of Centerline of 37th St. N. & Gouverneur Elev. = 185.54
- B.M. #2 " " " " Cut on N. End of Curb Return Across Rushwood from Lot 10, Block 2, Teal Cove 3rd Elev. = 181.765
- B.M. #3 " " " " on S. end of S. Curb return across Rushwood from Lot 4, Block 2, Teal Cove 3rd Elev. = 185.35
- B.M. #4 " " " " Cut on top of curb at the P.C. across Rushwood from Lot 2, Block 1, Teal Cove 3rd Elev. = 177.41

I, Kenneth H. Bengtson, a Civil Engineer and Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "TEAL COVE 3rd" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Streets, Reserves and a Floodway the same being accurately set forth in the accompanying plat and described herein:

A replat of Lot 1, Block 1 and Reserve "A", TEAL COVE, an addition to Wichita, Sedgwick County, Kansas, except the Northeasterly 25.00 feet lying adjacent to the Southwesterly line of Lot 2, Block 1 of said addition.

All lots, blocks, easements, building setbacks within the above described property are being vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 5th day of May, 1989.

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

Know all men by these present that we the undersigned property owners of the land as above set forth in the Civil Engineers and Land Surveyors Certificate have caused the same to be surveyed and platted into lots, blocks, streets, reserves, and a floodway, the same to be known as TEAL COVE 3rd, an addition to Wichita, Sedgwick County, Kansas. Reserve A is platted for landscaping, irrigation, walls entry signs, entrance structures and drainage. Reserve B is platted for the construction and maintenance of drainage structures, lakes, landscaping, walks, open space, gazebos, playground and related recreational facilities, and floodway. The floodway shall be the responsibility of the owners until such time as the City of Wichita exercising jurisdiction elects to assume the responsibility for maintenance and improvement of the drainage, provided further, that no building shall be constructed on or within said floodway, nor shall any fill, change of grade, creation of channel, or other work be carried on without permission from the City Engineers office. Minimum pad elevations on Lots 1 thru 4 and Lots 6-16, inclusive, of Block 1 shall be as indicated on the face of the plat. Reserves "A" and "B" shall be owned and maintained by the Home-owners Association. Easements for the construction and maintenance of public utilities and drainage are hereby granted to the public. The 5.00 feet wall easement is for the construction and maintenance of a wall. All abutters rights of access to or from 37th Street North over and across the south line of TEAL COVE 3rd, is hereby granted to the City of Wichita.

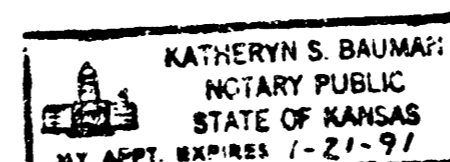
By: Mary Lynn Oliver  
Mary Lynn Oliver

By: William L. Oliver, Jr.  
William L. Oliver, Jr.

STATE OF KANSAS  
SEDGWICK COUNTY

Be it remembered that on this 5th day of May, 1989, before me a Notary Public in and for said State and County, came William L. Oliver, Jr. and Mary Lynn Oliver, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Katheryn S. Bauman, Notary Public  
My Appointment Expires: 1-21-91



we, the Mid-Kansas Federal Savings and Loan Association, Wichita, Kansas, mortgagees on the above described property do hereby consent to the plat of "TEAL COVE 3RD".

Mid-Kansas Federal Savings and Loan Association

By: Max L. Herzet, Senior Vice-President

STATE OF KANSAS  
SEDGWICK COUNTY

Be it remembered that on this 24th day of December, 1989, before me a Notary Public in and for said State and County, came Max L. Herzet, Senior Vice-President, on behalf of Mid-Kansas Federal Savings and Loan Association, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Max L. Herzet, Notary Public  
My Appointment Expires: \_\_\_\_\_

This plat of "TEAL COVE 3rd" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

on this 24th day of December, 1989

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Sue L. Crockett, Chairman  
Sue L. Crockett

Marvin S. Krout, Secretary  
Marvin S. Krout

This plat approved and all dedications shown hereon, if any, accepted by the City Council of the City of Wichita, Kansas, this 1st day of June, 1989

Bob Knight, Mayor

John Mor, City Clerk

Entered on transfer record this 22nd day of June, 1989.

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 22nd day of JUNE, 1989, at 2:30 P.M.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

