

STORM SEWER PLANS FOR WOODSPRING 3RD S.W.S. NO. 334 PROJECT NO. 468-76-245-81669-000-000-001

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

GENERAL NOTES

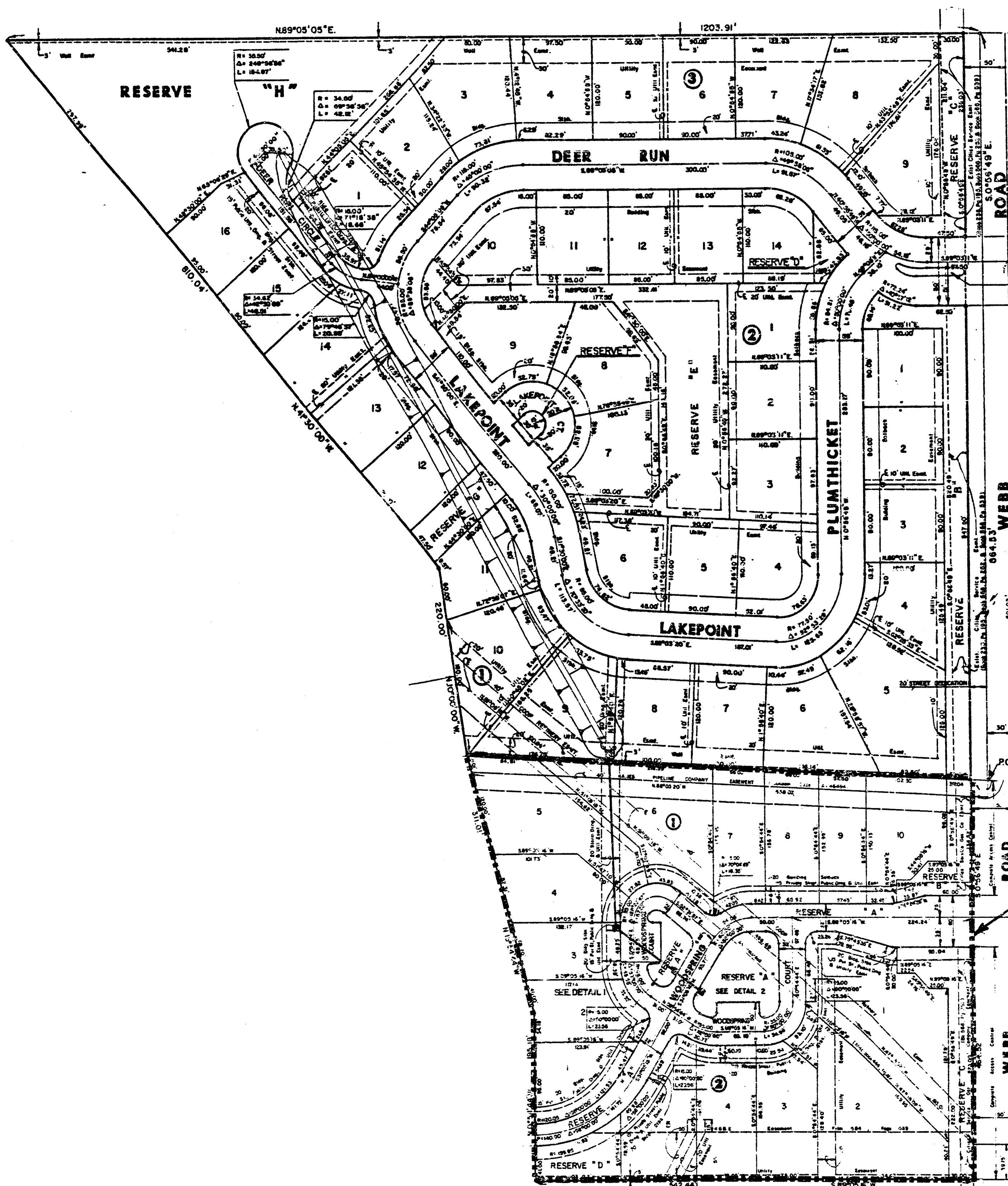
1. THE TOPS OF INLET AND MANHOLE AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING 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 LAWS.
3. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
4. 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.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KPL COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
KANSAS ONE-CALL	1-800-344-7233
KANEB	272-408
NORTHWEST CENTRAL PIPELINE	274-0301
CO-OP REFINERY PIPELINE	1-316-221-1101

BENCH MARKS

- B.M. #1 WEBB ROAD AND 25TH STREET NORTH
CITY OF WICHITA BENCH MARK
DISC, 32" NORTH AND 20" EAST
OF QUARTER SECTION CORNER.
ELEV. = 225.091
- B.M. #2 SPIKE STEP IN "V" POLE, ± 500'
WEST OF WEBB ROAD
ELEV. = 221.87

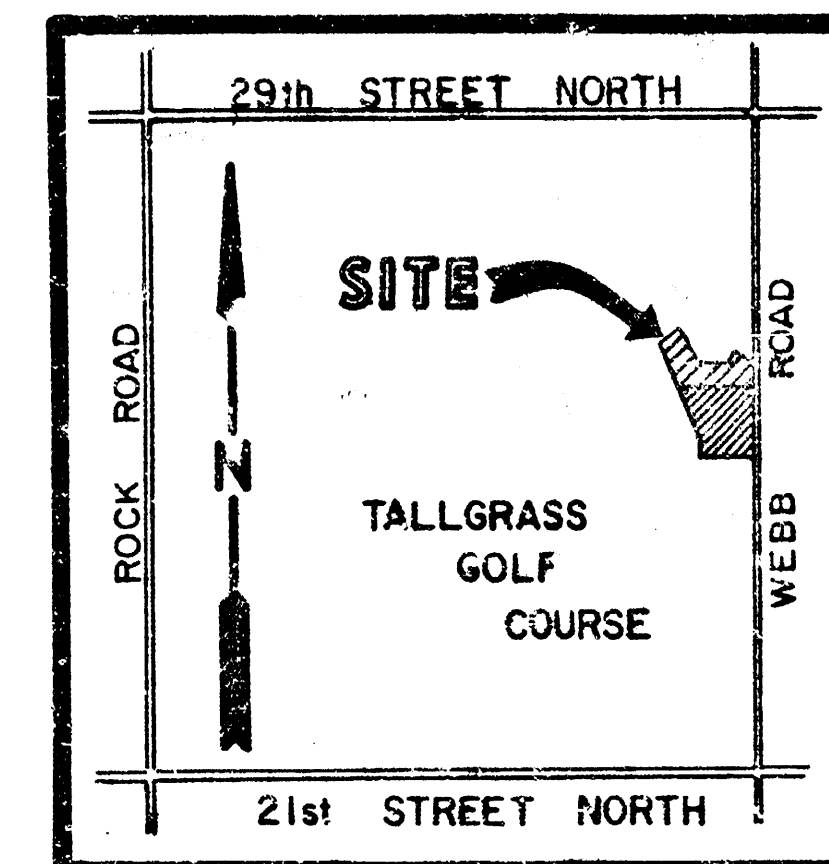


INDEX TO DRAWINGS

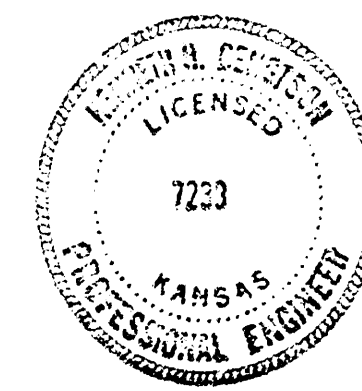
SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	PLAN & PROFILE
4	STD. TYPE I-A DETAILS
5	DITCH CROSS SECTIONS
6	DEER RUN FINAL PLAT
7	WOODSPRING 3RD FINAL PLAT

SCALE: 1" = 100'

AS BUILT
1/88
MEB



LOCATION MAP



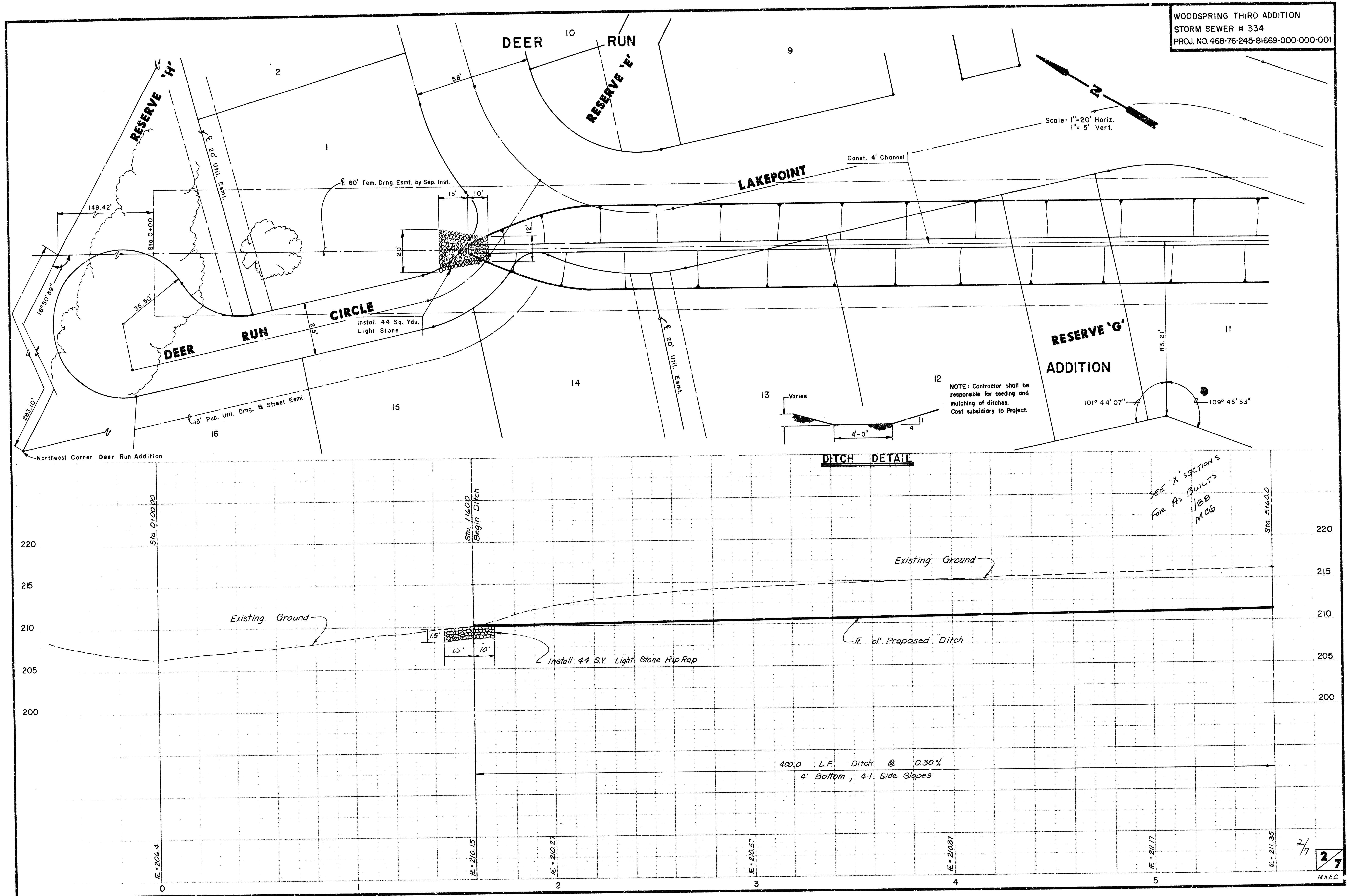
**WOODSPRING 3RD
STORM WATER SEWER
PLANS**

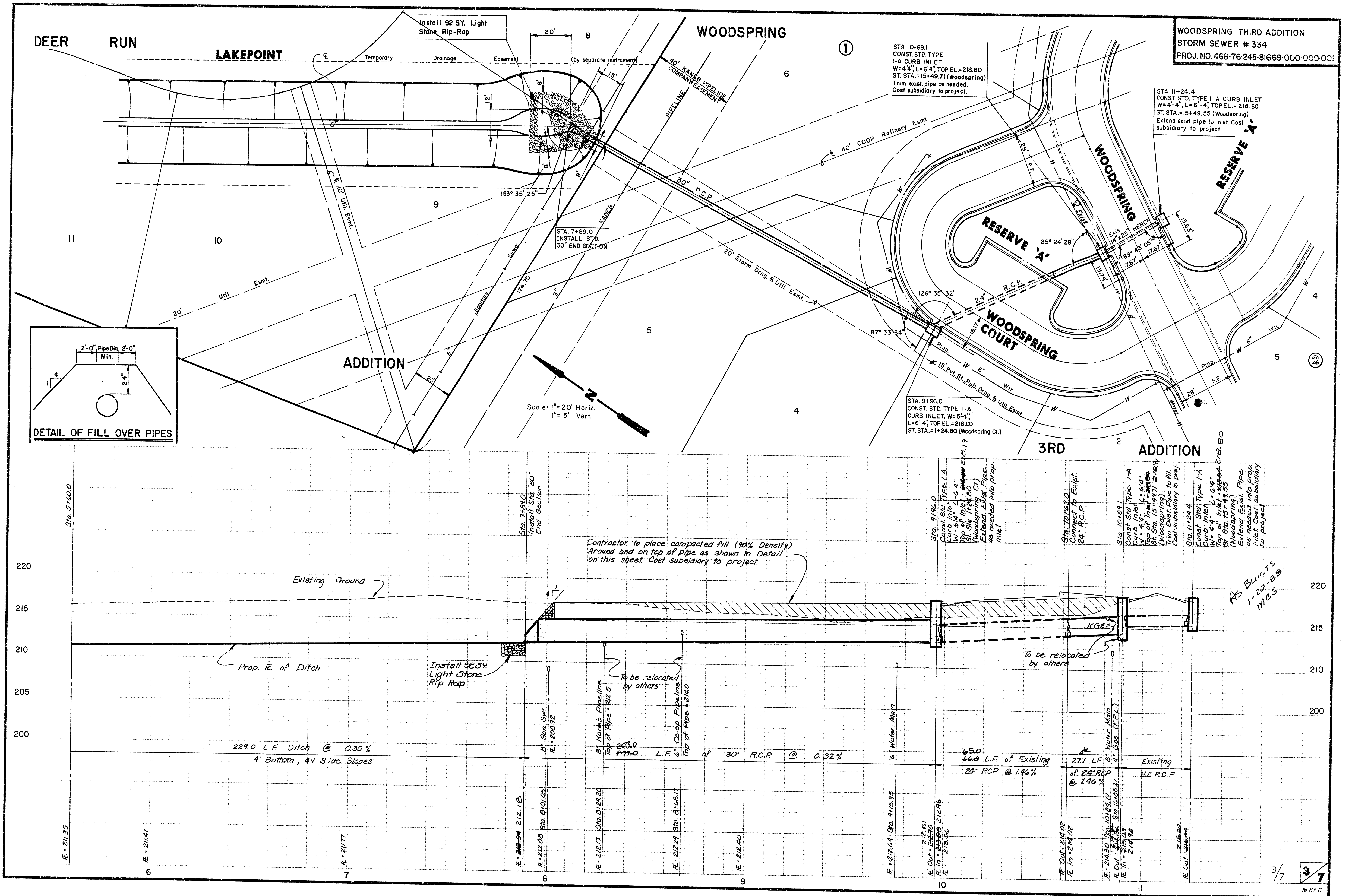
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

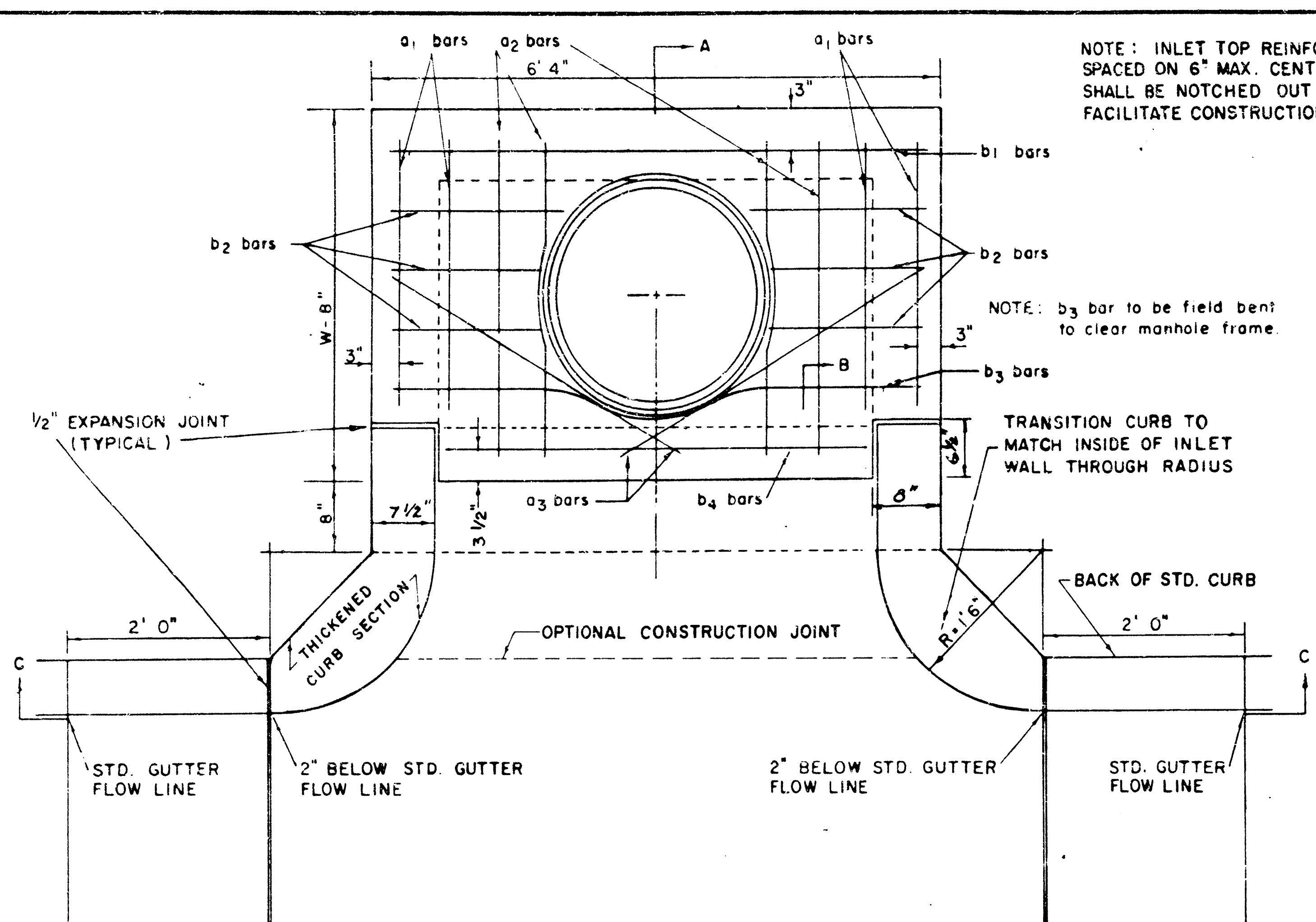
682-6561

Design: KKL
Drawn by: DDG
Checked by: KHB
Date: April 1987
Job no:

Sheet: 1
of: 7







PLAN

STEEL SCHEDULE

BAR	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9
SIZE	#4	#4	#4	#4	#4	#4	#4	#6
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"

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

BENDING DIAGRAM

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

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

BACK OF STD. CURB

STD. GUTTER FLOW LINE

2" BELOW STD. GUTTER FLOW LINE

1/2" EXPANSION JOINT (TYPICAL)

2" THICKENED CURB SECTION

OPTIONAL CONSTRUCTION JOINT

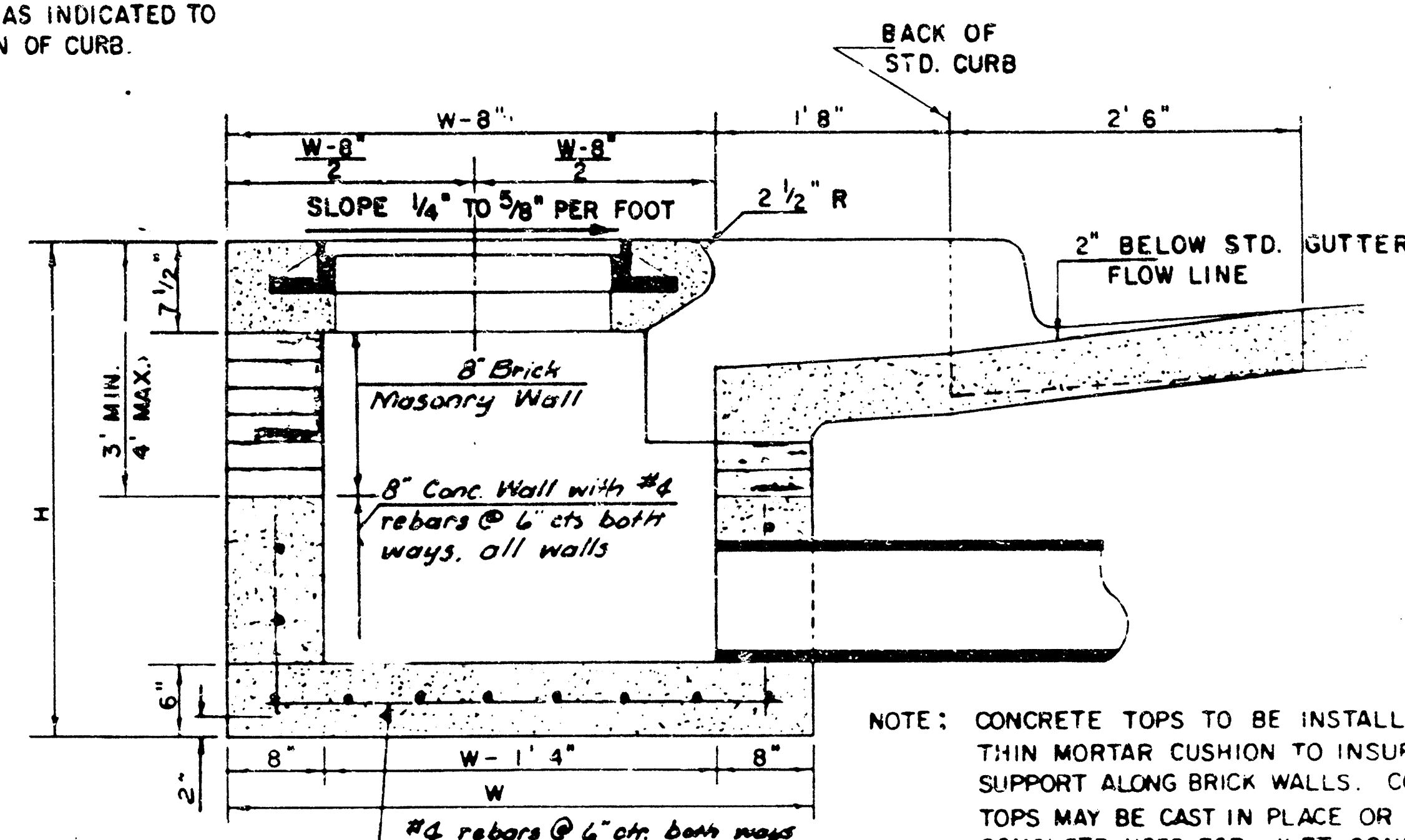
2" BELOW STD. GUTTER FLOW LINE

BACK OF STD. CURB

a₁ bar = W-21"

a₂ bar = W-15"

1 1/2" R



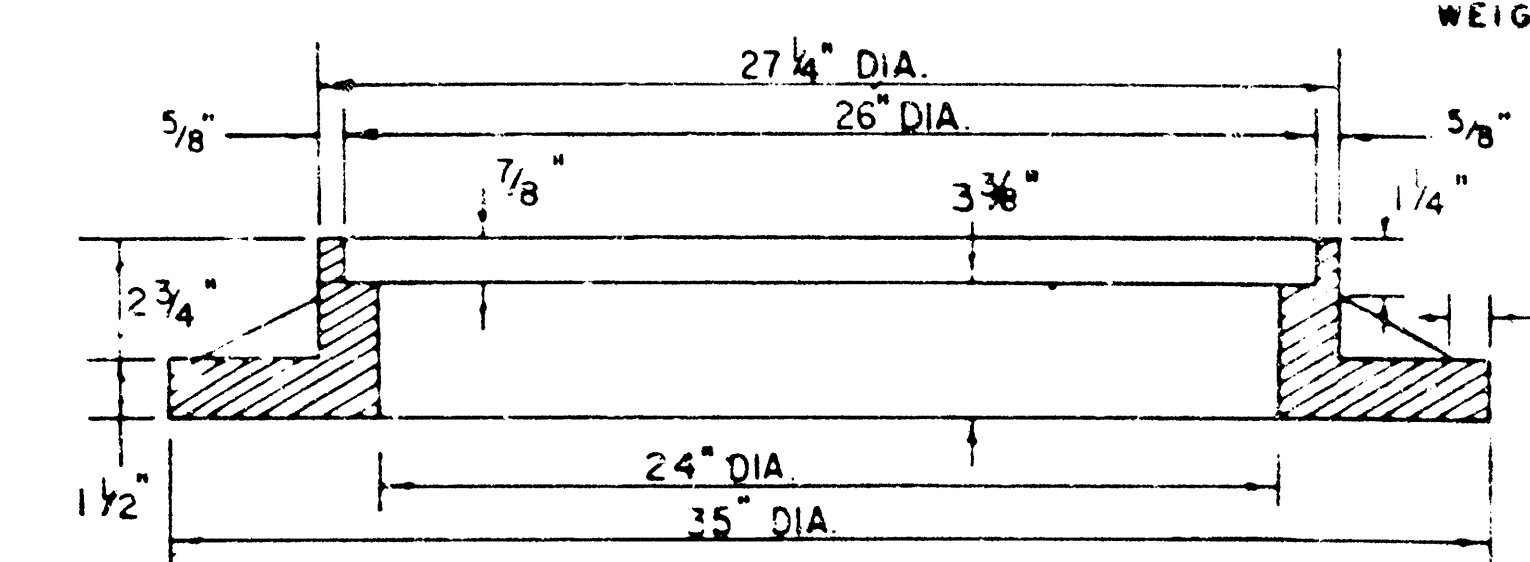
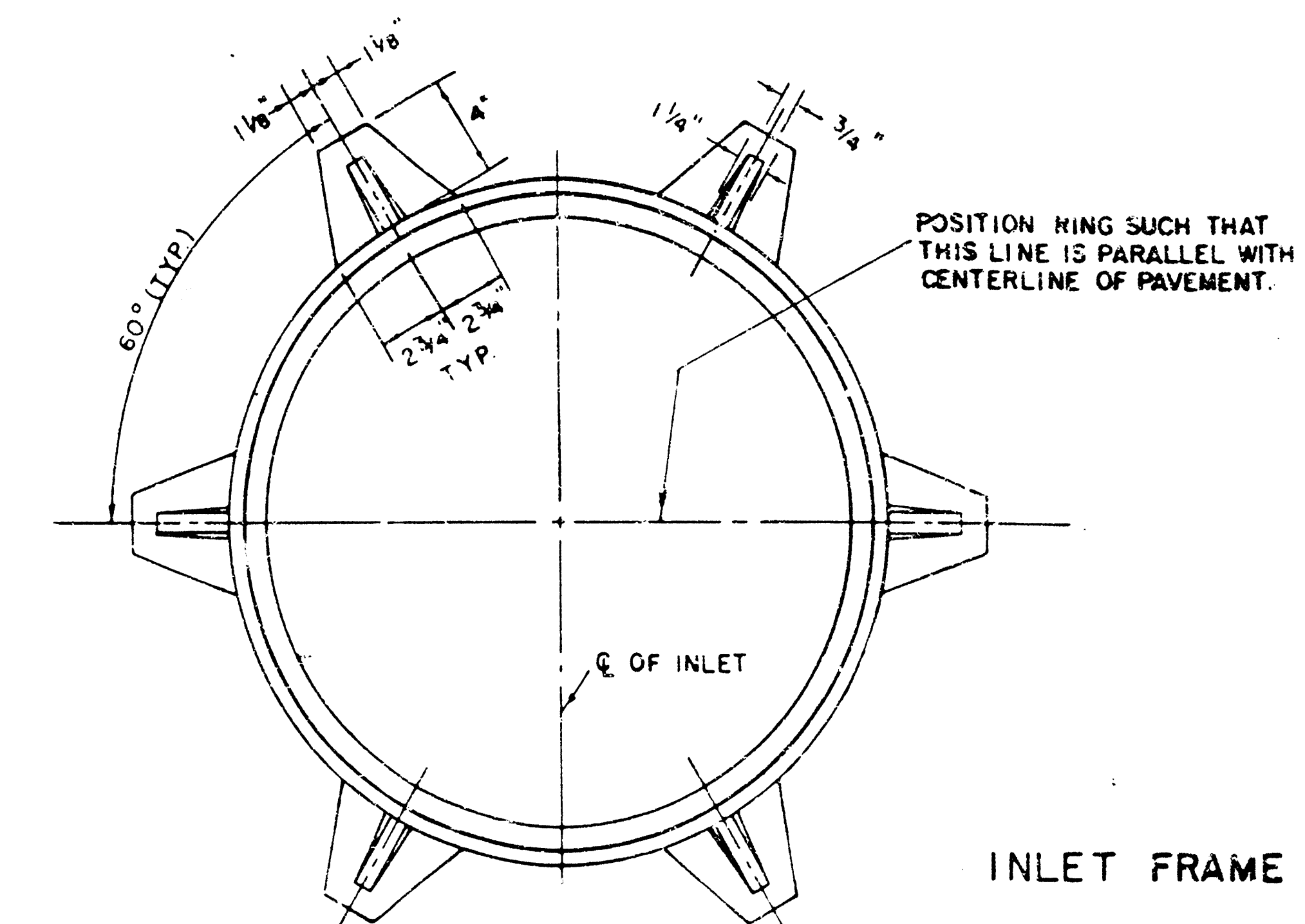
SECTION A-A

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.

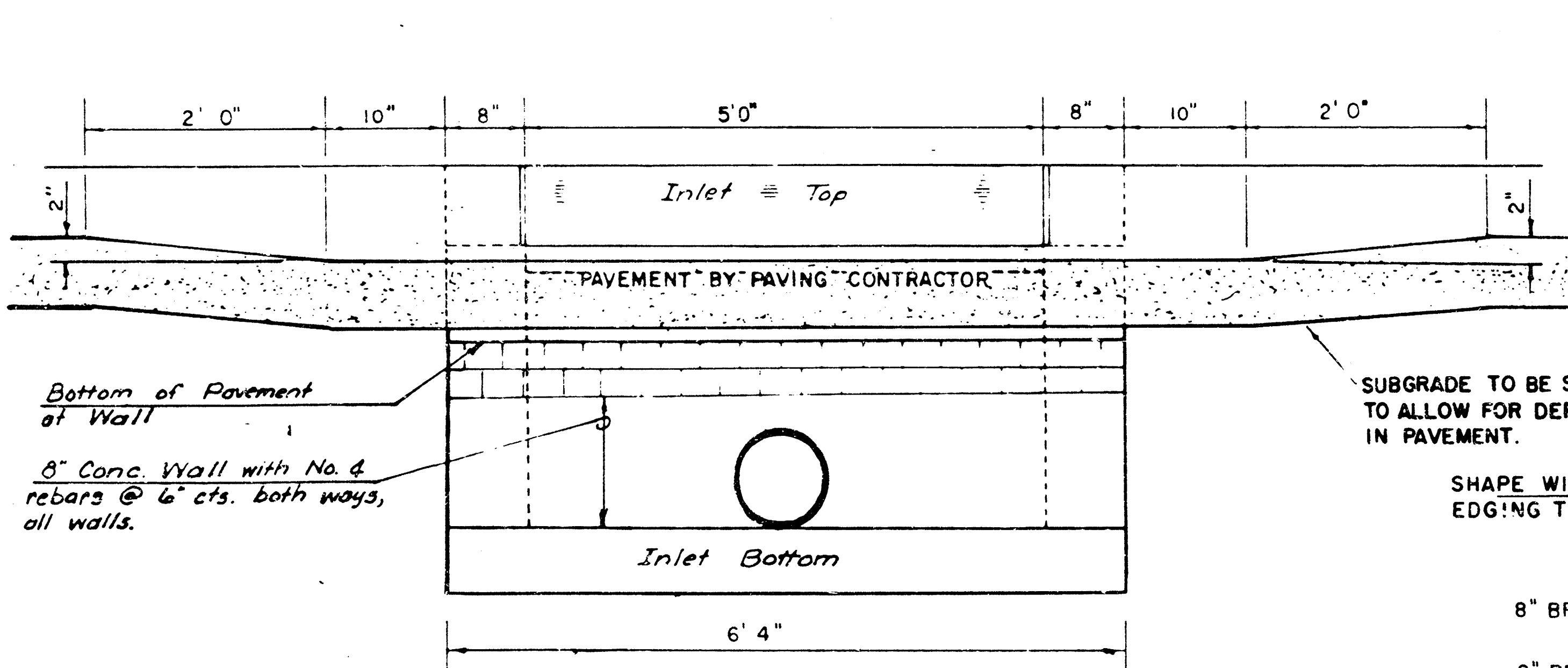
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

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.

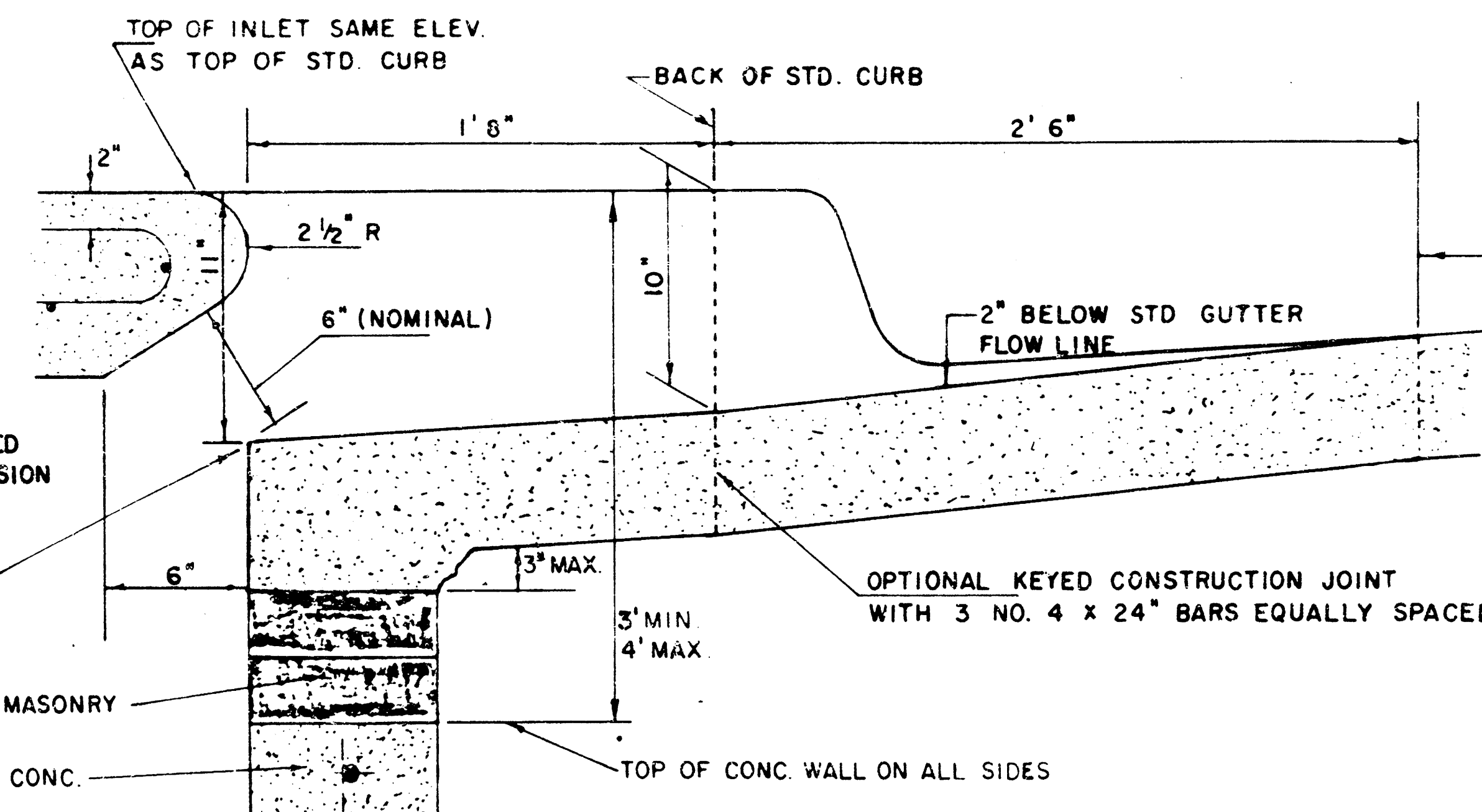
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



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



SECTION C-C



SECTION B-B

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

OPTIONAL KEYED CONSTRUCTION JOINT WITH 3 NO. 4 x 24" BARS EQUALLY SPACED

REVISED 12-21-1984

DETAIL STANDARD TYPE 1A CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"

JUNE 1984

220

STA. 8+04

210

220

STA. 7+89

210

220

STA. 7+00

210

220

STA. 6+00

210

220

STA. 5+00

210

220

STA. 4+00

210

220

STA. 3+00

210

220

STA. 2+00

210

220

STA. 1+60

210

DITCH CROSS SECTIONS

15' Exc = 329 c.y.
Exc = 344 c.y. As Built

29' Exc = 417.5
Exc = 424.7 c.y. As Built

100' Exc = 466.5 c.y.
Exc = 443.5 c.y. As Built

100' Exc = 409.6 c.y.
Exc = 372.1 c.y. As Built

100' Exc = 369.1 c.y.
Exc 333 c.y. As Built

100' Exc = 503 c.y.
Exc = 278 c.y. As Built

100' Exc = 186.5 c.y.
Exc = 159.1 c.y. As Built

40' Exc = 19.8 c.y.
Exc = 15.2 c.y. As Built

C = 118.3
C = 124.0'

C = 135
C = 134.10'

C = 116.9
C = 105.8'

C = 104.3
C = 95.10'

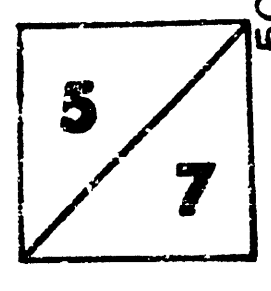
C = 72.3
C = 84.10'

C = 74
C = 65.4'

C = 26.7
C = 20.5'

C = 0

5/7



TOTAL Exc = 2,204.9 c.y.
Total Inc = 1,458.0 c.y.
Net Exc = 746.9 c.y.

WOODSPRING 3rd.
DITCH CROSS SECTIONS
PROJ. NO. 468245-81669-000-000-001

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45

FINAL PLAT OF
DEER RUN
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



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

A tract of land lying in the Northeast Quarter, Section 5, Township 27 South, Range 2 East of the 6th P.M., more particularly described as follows:

Commencing at the Southeast corner of said Northeast Quarter; thence N 00° 56' 49" W, 462.03 feet along the East line of said Northeast Quarter; thence N 88° 03' 20" W, 30.04 feet to the point of beginning; thence N 88° 03' 20" W, 643.46 feet; thence N 10° 00' 00" W, 220.00 feet; thence N 41° 30' 00" W, 810.04 feet to a point on the South line of Government, Lot 1; thence S 00° 56' 49" E, 864.53 feet parallel and 30.00 feet West of the East line of said Northeast Quarter to the point of beginning.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 24 day of July, 1986.

Kenneth H. Bengtson
Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
3500 W. 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 Certificate, have caused the same to be surveyed and platted into Lots, Blocks, Reserves, and Streets, the same to be known as "DEER RUN", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Reserves A, B, C, D, F, G and H are platted for the construction and maintenance of public utilities and drainage. Reserves A, B, C, and D are also platted for walls, entry monuments, irrigation systems, and landscaping. Reserve E is platted for drainage, landscaping, walks, gazebos, swimming pools and related structures, and irrigation systems. The Reserves shall be owned and maintained by the Homeowners Association. Easements for the construction and maintenance of public utilities, drainage and streets as indicated on the accompanying plat, are hereby granted. The 3.00 foot wall easements, as indicated on the accompanying plat, are granted for the purpose of construction and maintenance of a private wall. All abutters rights of access to and from Webb Road over and across the East lines of Reserves B and C are hereby granted to the City of Wichita, Kansas.

SLAWSON INVESTMENT CORPORATION

By: *Larry A. Chambers*
Larry A. Chambers, Vice President

STATE OF KANSAS)
SEDGWICK COUNTY)

Be it remembered that on this 24th day of July, 1986, before me a Notary Public in and for said State and County, came Slawson Investment Corporation, by Larry A. Chambers, Vice President, 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.

Linda S. Baham
Linda S. Baham, Notary Public
My Appointment Expires: 2-9-90

we, Mellon Bank, N.A., Pittsburgh, Pennsylvania, mortgagee on the above described property, do hereby consent to the plat of "DEER RUN".

MELLON BANK, N.A., Pittsburgh, Pennsylvania

By: _____

STATE OF KANSAS)
SEDGWICK COUNTY)

Be it remembered that on this 24th day of July, 1986, before me a Notary Public in and for said State and County, came Mellon Bank, N.A., Pittsburgh, Pennsylvania, by *Paul J. Brown*, 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.

Linda S. Baham
Linda S. Baham, Notary Public

My Appointment Expires: 2-9-90

This plat of "DEER RUN" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 12th day of June, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

David Bayouth
David Bayouth, Vice-Chairman

Michael E. Lindebak
Michael E. Lindebak, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 24 day of September, 1986.

Tony Casado
Tony Casado, Mayor

Donald C. Gistick
Donald C. Gistick, City Clerk

Entered on transfer record this _____ day of _____, 1986.

_____, County Clerk

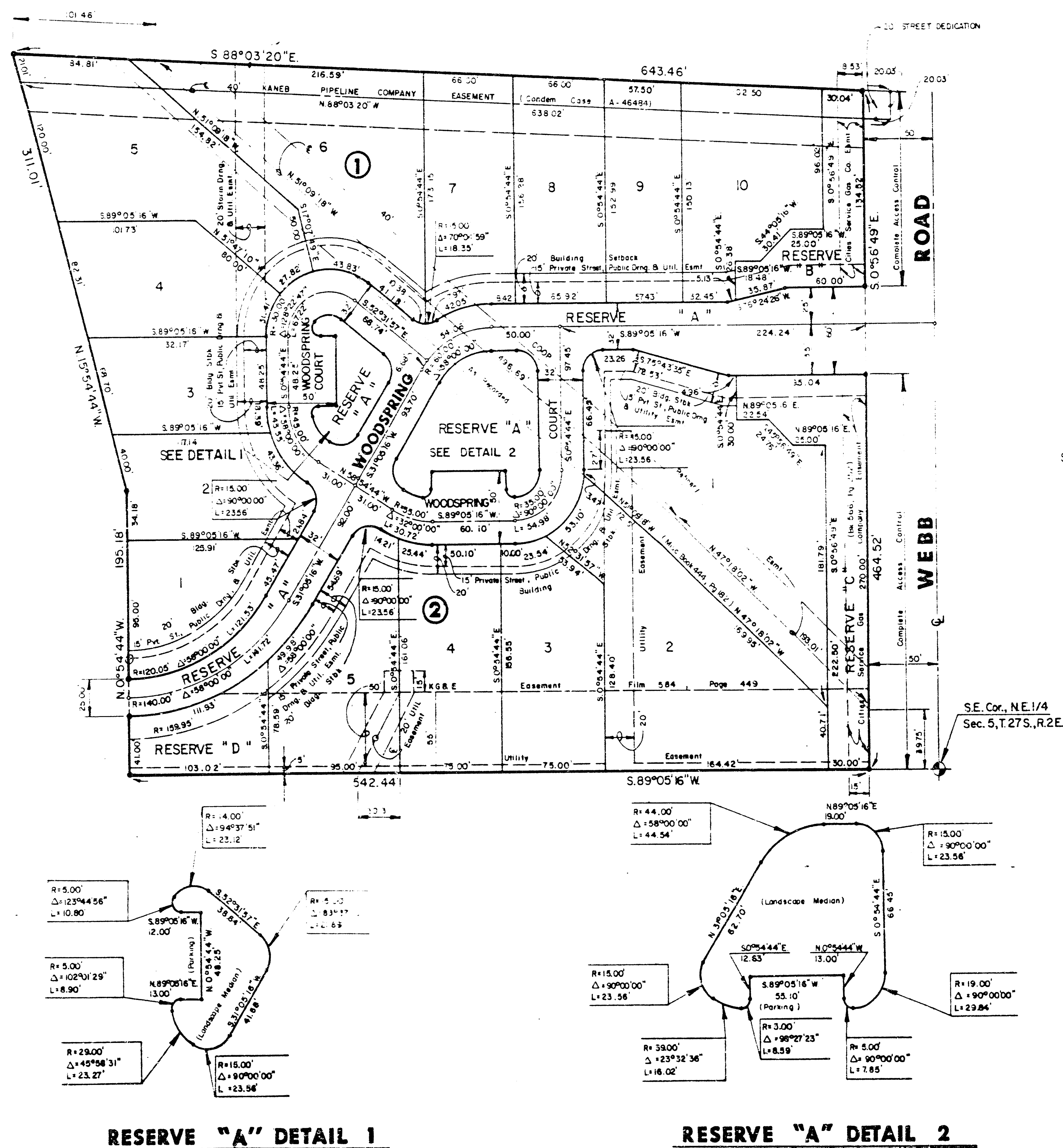
STATE OF KANSAS)
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this _____ day of _____, 1986.

Pat Kettler
Pat Kettler, Register of Deeds

Ed Kesa
Ed Kesa, Deputy

FINAL PLAT OF WOODSPRING 3RD. AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



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

A tract of land lying in the Northeast Quarter, Section 5, Township 27 South, Range 2 East from the 6th P.M., more particularly described as follows:

A replat of Blocks 4 and 5 and that part of Reserve B lying between said Block 4 and 5 of Woodspring, an addition to Wichita, Sedgwick County, Kansas also including:

Beginning at the Northeast corner of Woodspring; thence N 88° 03' 20" W, 638.02 feet along the North line of said Woodspring, said line also being the centerline of a 40.00 foot KANE easement, as concerned in case A-46484; thence N 15° 54' 44" W, 21.01 feet; thence S 88° 03' 20" E, 643.46 feet along the North line of said 40.00 foot KANE easement; thence S 0° 56' 49" E, 20.03 feet to the point of beginning.

All lots, blocks, reserves and platted street, drainage and utility easements 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 16th day of September, 1986.

Kenneth H. Bengtson
Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
1500 W. Rock Road, Bldg. 800
Wichita, KS 67226

Know all men by these presents that we, the undersigned property owners of the land as set forth in the Civil Engineer's Certificate, have caused the same to be surveyed and platted into lots, blocks, reserves and a street, the same to be known as "WOODSPRING 3RD", an addition to Wichita, Sedgwick County, Kansas. Easements for the construction and maintenance of public utilities and drainage, as indicated on the accompanying plat, are hereby granted to the City of Wichita. The street is hereby dedicated to and for the use of the public. All reserves are platted for construction and maintenance of public utilities, except that portion of Reserve A within the 50.00 foot KANE easement, and open spaces. Reserve A is also platted for parking, private streets, drainage, and landscaping medians. Reserves B and C are platted for walls and entry monuments. Reserves B, C, & D are also platted for landscaping. All reserves shall be owned and maintained by the Woodspring 3rd Homeowners Association. All abutters rights of access to or from Webb Road, over and across the East line of Reserves B and C, are hereby granted to the City of Wichita, Kansas.

SLAWSON INVESTMENT CORPORATION

By: Larry A. Chambers
Larry A. Chambers, Vice President

STATE OF KANSAS)
SEDGWICK COUNTY) ss:

Be it remembered that on this 24th day of July, 1986, before me a Notary Public in and for said State and County, came Slawson Investment Corporation, by Larry A. Chambers, Vice President, 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.

Linda J. Graham, Notary Public
My Appointment Expires: 2-9-90

we, Mellon Bank, N.A., Pittsburgh, Pennsylvania, mortgagee on the above described property, do hereby consent to the plat of "WOODSPRING 3RD".

MELLON BANK, N.A., Pittsburgh, Pennsylvania

By: PAUL J. BROWN

STATE OF KANSAS)
COUNTY OF SEDGWICK) ss:

Be it remembered that on this 7th day of August, 1986, before me, a Notary Public in and for said State and County, came Mellon Bank, N.A., Pittsburgh, Pennsylvania, by Paul J. Brown to be 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.

Linda J. Graham, Notary Public

My appointment Expires: 2-9-90

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

Dated this 15th day of May, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

David Boyum, Vice-Chairman
Michael E. Lindebak, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 30th day of Sept, 1986.

Tony Casado, Mayor

Donald C. Gistick, City Clerk

Entered on transfer record this 6th day of Oct, 1986.

Don Wright, County Clerk

STATE OF KANSAS)
SEDGWICK COUNTY) ss:

This is to certify that this instrument was filed for record in the Register of Deeds office this 6th day of October, 1986.

Pat Kettler, Register of Deeds

Ed Resa, Deputy