

# CITY OF WICHITA, KANSAS

## STORM WATER SEWER NO. 415

TO SERVE  
SMITHMOOR THIRD ADDITION, SMITHMOOR FOURTH ADDITION AND  
AN UNPLATTED TRACT

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SHEET 5	TYPE 1A CURB INLET DETAILS (5' OPENING)
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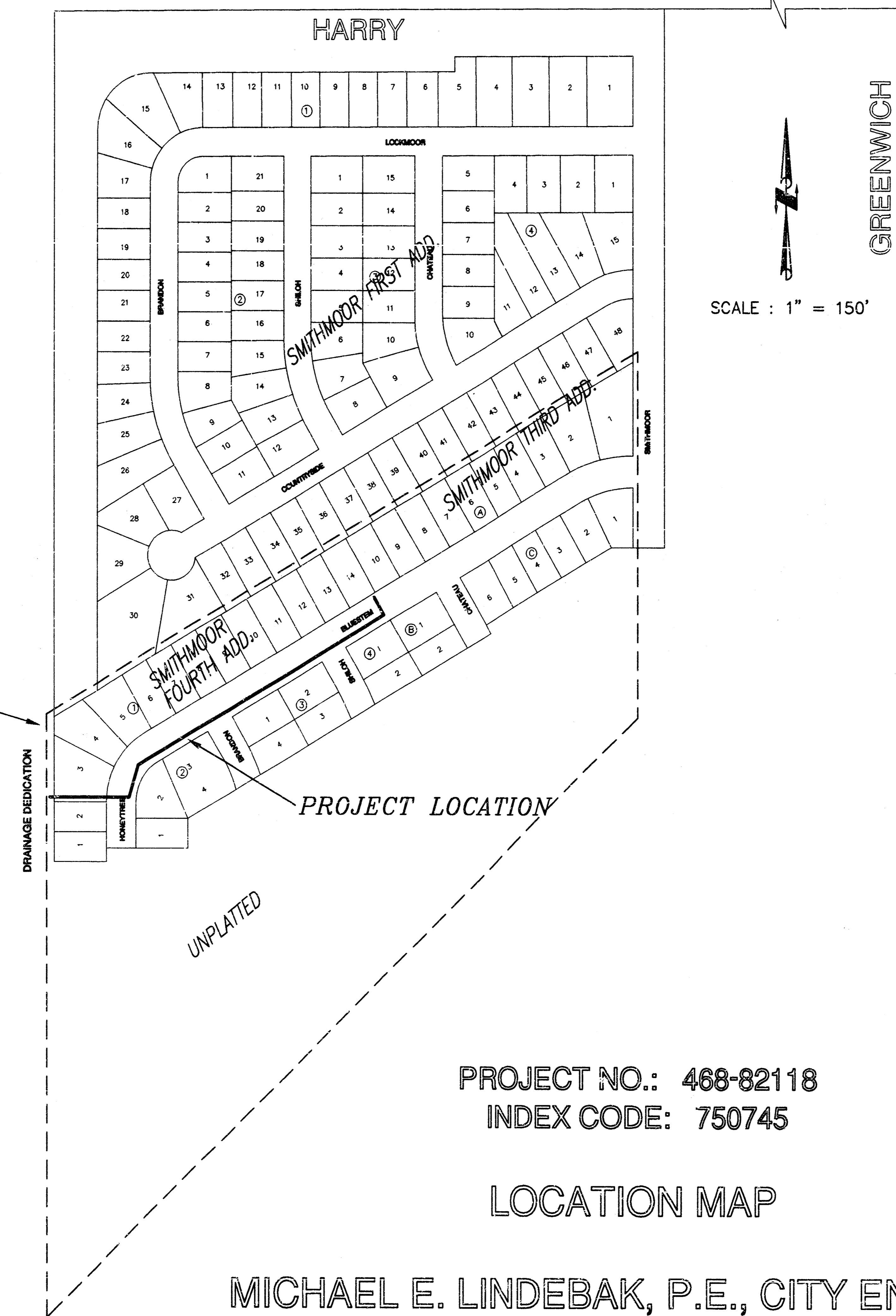
**GENERAL NOTES:**

- UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS AND ETCETERA 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. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
  - THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE TO ALL UTILITY OWNERS PRIOR TO WORK IN ANY AREA WHERE EXISTING UTILITIES WILL BE UNCOVERED TO ALLOW THE UTILITY OWNER TO INSPECT THE UNCOVERING OF THEIR UTILITY. ANY UTILITY CARELESSLY DAMAGED BY HIS CONSTRUCTION OPERATION SHALL BE REPAIRED OR REPLACED AT NO EXTRA COST TO THE CITY. THE CONTRACTOR SHALL COORDINATE WITH CONTRACTORS FOR UTILITY COMPANIES AND OTHER AGENCIES FOR MINIMUM INCONVENIENCE TO GENERAL PUBLIC.
  - CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
  - ALL ADJACENT BUILDINGS, STRUCTURES, PARKING LOTS, DRIVES, STREET PAVEMENTS, UTILITY LINES, UTILITY STRUCTURES AND APPURTENANCES OTHER THAN SHOWN FOR REPLACEMENT SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION OF THE PROJECT. ITEMS DAMAGED BEYOND THE LIMITS SHOWN SHOWN ON THE DRAWINGS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE TOP ELEVATION OF INLETS AND MANHOLES AS SHOWN ON DRAWINGS MAY VARY TO MEET EXISTING OR PROPOSED PAVEMENTS. THE FIELD ENGINEER MAY ADJUST THE LOCATIONS AND FLOWLINES OF STORM SEWERS, INLETS AND MANHOLES WITH REFERENCE TO EXISTING OR PROPOSED PAVING PLANS OF THE PERTINENT STREET.
- MISCELLANEOUS STRUCTURES AND 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 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.
  - TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN STRICT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS SHOWN ON THE PLANS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY SHOWN 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 LAW. THIS WORK SHALL BE SUBSIDIARY TO OTHER ITEMS IN CONTRACT.
  - ALL SALVAGEABLE DRAINAGE PIPES, MANHOLE RINGS AND COVERS AND INLET GRATES SHALL BE CAREFULLY REMOVED AND DELIVERED TO CITY YARD.

- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO EACH OF THE FOLLOWING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION AND REQUEST THAT ANY EXISTING LINES BE FLAGGED:
- |   |   |
|---|---|
| ARKLA GAS CO.<br>1630 S. BAEHR<br>WICHITA, KANSAS 67209<br>JERRY WATKINS<br>316-942-8350  | SOUTHWESTERN BELL TELEPHONE CO.<br>154 N. BROADWAY<br>WICHITA, KANSAS 67202<br>GREG SHARP<br>316-268-2245   |
| KANSAS GAS & ELECTRIC CO.<br>BOX 208<br>WICHITA, KANSAS 67201<br>DON MORGAN<br>316-261-6285                                       | WICHITA SEWER MAINTENANCE DIVISION<br>WATER & WATER POLLUTION CONTROL DEPT.<br>8TH FLOOR-CITY HALL<br>455 N. MAIN STREET<br>WICHITA, KANSAS 67202<br>SUSAN TURNER<br>316-268-4210 |
| WICHITA WATER DEPARTMENT<br>8TH FLOOR - CITY HALL<br>455 N. MAIN STREET<br>WICHITA, KANSAS 67202<br>CHUCK STEVENS<br>316-268-4555 | MULTIMEDIA CABLEVISION<br>701 EAST DOUGLAS<br>WICHITA, KANSAS 67202<br>DOM SHUE<br>262-4270   |
| KANSAS ONE CALL<br>1-800-344-4210   | DIG SAFE<br>687-2470  |

- THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER ALL BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR THE NATURE OF WORK TO BE COMPLETED.
- THE CONTRACTOR SHALL USE FLOWABLE FILL IN PLACE OF COMPACTED PIPE BEDDING MATERIAL AT SIDES AND ABOVE ALL STORM SEWER LINES RUNNING UNDER PROPOSED PAVEMENT IN PUBLIC RIGHT-OF-WAY.
- ALL AREAS WITHIN DRAINAGE DEDICATION, DISTURBED DURING CONSTRUCTION SHALL BE SEEDED IN ACCORDANCE WITH CITY STANDARDS. AREAS WITHIN 25 FOOT DRAINAGE EASEMENT LOCATED BETWEEN LOTS 2 & 3, BLOCK 1 SHALL BE SEEDED WITH RYE GRASS SEED APPLIED AT A RATE OF 50 POUNDS PER ACRE. ALL OTHER AREAS DISTURBED WILL BE SEEDED BY PAVING CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING, AS NECESSARY, FOR INSTALLATION OF STORM SEWER PIPES.

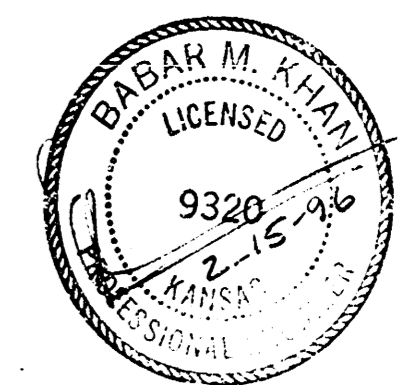
BENEFIT DISTRICT



PROJECT NO.: 468-82118  
INDEX CODE: 750745

LOCATION MAP

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER



**BENCH MARKS:**

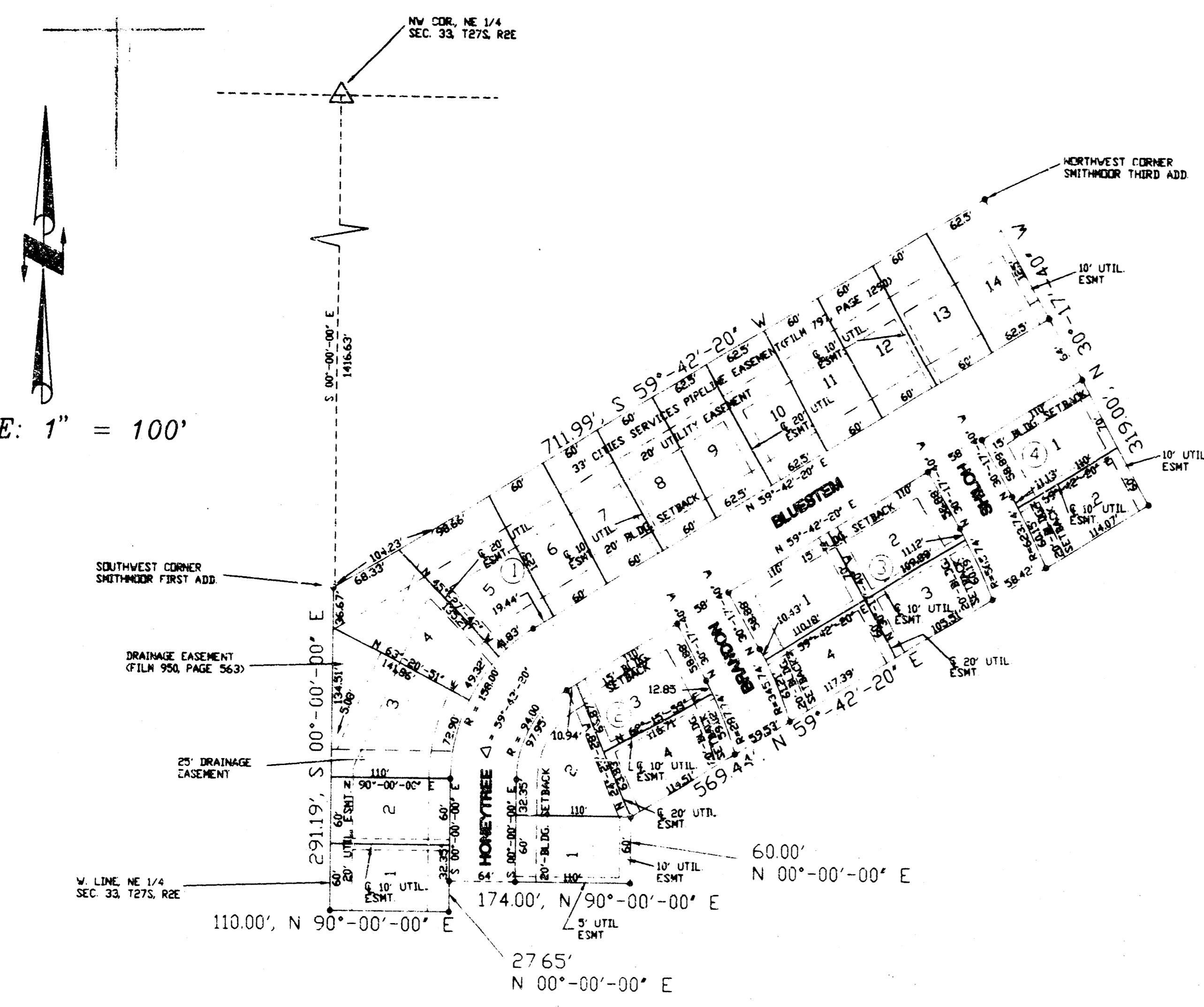
- BENCH MARK NO. 1: TOP OF EXISTING MANHOLE LOCATED AT NORTHWEST CORNER OF LOT 5, BLOCK 1, SMITHMOOR FOURTH ADDITION. ELEV. = 161.94  
BENCH MARK NO. 2: TOP OF EXISTING MANHOLE LOCATED AT NORTHEAST CORNER OF LOT 14, BLOCK 1, SMITHMOOR FOURTH ADDITION. ELEV. = 162.66

Booked  
5-30-96  
MCG  
D-296

**TITLE SHEET**

SCALE:	APPROVED:	DRAWN BY: F. A.
DATE:	CHECKED: B. K.	
PROJECT NO.:	SHEET NO. 1	
95-88 (MUNICIPAL)	1 OF 6	

**ME MUNICIPAL ENGINEERS**  
254-LAURA, SUITE 201  
WICHITA, KANSAS 67211  
316-262-3842



SCALE: 1" = 100'

**BENCH MARK**  
 N.W. COR. N. HEADWALL P.C.B. 800 FEET MORE OR LESS  
 EAST OF N.W. COR. NE 1/4 SEC. 33-275-2E  
 ELEVATION = 1340.54 (M.S.L.) = 15314 (CITY DATUM)

**MINIMUM PAD ELEVATION:**  
 LOTS 1 - 4 BLOCK 1 = 1341.50 M.S.L.

**FINAL PLAT OF  
 SMITHMOOR FOURTH ADDITION  
 TO  
 WICHITA, SEDGWICK COUNTY, KANSAS**

20.00  
ck

STATE OF KANSAS )  
 SEDGWICK COUNTY ) SS

I, BABAR M. KHAN, A LICENSED LAND SURVEYOR IN AFORESAID COUNTY AND STATE, DO HEREBY CERTIFY THAT I HAVE SURVEYED AND PLATTED "SMITHMOOR FOURTH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS" AND THAT THE ACCOMPANYING PLAT IS A TRUE AND CORRECT EXHIBIT OF PROPERTY SURVEYED, DESCRIBED AS FOLLOWS:

A TRACT OF LAND DESCRIBED AS BEGINNING AT THE SOUTHWEST CORNER OF SMITHMOOR FIRST ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS. SAID POINT OF BEGINNING BEING 1,416.63 FEET SOUTH OF NORTHWEST CORNER OF NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 27 SOUTH, RANGE 2 EAST OF THE 6TH PRINCIPAL MERIDIAN; THENCE BEARING S 00°-00'-00" ALONG THE WEST LINE OF SAID NORTHEAST QUARTER, 291.19 FEET; THENCE BEARING N 90°-00'-00" E, 110.00 FEET; THENCE BEARING N 00°-00'-00" E, 27.65 FEET; THENCE BEARING N 90°-00'-00" E, 174.00 FEET; THENCE BEARING N 00°-00'-00" E, 60.00 FEET; THENCE BEARING N 59°-42'-20" E, 569.44 FEET TO THE SOUTHWESTERLY CORNER OF SMITHMOOR THIRD ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS; THENCE BEARING N 30°-17'-40" W, ALONG WESTERLY LINE OF SAID SMITHMOOR THIRD ADDITION, 319.00 FEET TO THE NORTHWESTERLY CORNER OF SAID SMITHMOOR THIRD ADDITION; THENCE BEARING S 59°-42'-29" W, 711.99 FEET TO THE POINT OF BEGINNING.

ALL EASEMENTS, RIGHT-OF-WAYS, PREVIOUSLY GRANTED ARE HEREBY VACATED IN ACCORDANCE WITH K.S.A. 12-512(b), AS AMENDED.

THIS SURVEY WAS COMPLETED IN JULY, 1994.

*Babar M. Khan*  
 BABAR M. KHAN, R.L.S. # 985



#1431781

KNOW ALL MEN BY THESE PRESENTS, THAT WE, THE UNDERSIGNED PROPERTY OWNERS OF THE LAND AS ABOVE SET FORTH IN THE SURVEYOR'S CERTIFICATE, HAVE CAUSED THE LAND TO BE SURVEYED AND PLATTED INTO LOTS, BLOCKS, STREETS, AND DRAINAGE DEDICATION, THE SAME TO BE KNOWN AS "SMITHMOOR FOURTH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS", EASEMENTS AS INDICATED FOR THE CONSTRUCTION AND MAINTENANCE OF PUBLIC UTILITIES ARE HEREBY GRANTED. THE STREETS ARE HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC. THE DRAINAGE DEDICATION IS HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC.

THE MINIMUM PAD ELEVATION FOR LOTS 1 THROUGH 4, IN BLOCK 1 SHALL BE 1341.50 M.S.L. = (15410 CITY DATUM)

*Ron Smith*  
 RON SMITH, PRESIDENT  
 SMITH & COMPANY, INC.

STATE OF KANSAS )  
 SEDGWICK COUNTY ) SS

BE IT REMEMBERED THAT ON THIS 31<sup>st</sup> DAY OF October, 1994, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, CAME RON SMITH TO ME PERSONALLY KNOWN TO BE THE SAME PERSON WHO EXECUTED THAT FORGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED THE SAME AS HIS VOLUNTARY ACT AND DEED. IN THE TESTIMONY WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL ON THE DAY AND YEAR ABOVE WRITTEN.

MY COMMISSION EXPIRES: June 4, 1996

*Lisa Torres*  
 LISA TORRES, NOTARY PUBLIC

WE EMPRISE BANK, HOLDERS OF A MORTGAGE ON THE ABOVE DESCRIBED PROPERTY, DO HEREBY CONSENT TO THE PLAT OF "SMITHMOOR FOURTH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS"

*Daniel H. Corman*  
 DANIEL H. CORMAN, VICE PRESIDENT

STATE OF KANSAS )  
 SEDGWICK COUNTY ) SS

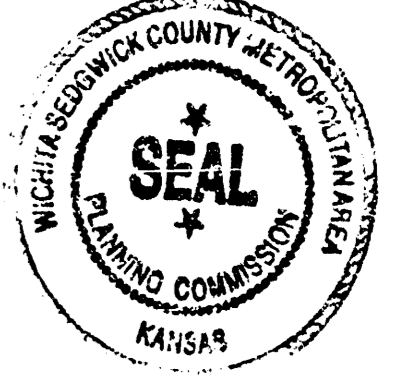
BE IT REMEMBERED THAT ON THIS 31<sup>st</sup> DAY OF October, 1994, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, CAME Daniel H. Corman TO ME PERSONALLY KNOWN TO BE THE SAME PERSON WHO EXECUTED THAT FORGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED THE SAME AS HIS VOLUNTARY ACT AND DEED. IN THE TESTIMONY WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL ON THE DAY AND YEAR ABOVE WRITTEN.

MY COMMISSION EXPIRES: June 4, 1996

*Lisa Torres*  
 LISA TORRES, NOTARY PUBLIC

THIS PLAT OF SMITHMOOR FOURTH ADDITION HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA, SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, WICHITA, KANSAS.  
 DATED 30<sup>th</sup> DAY OF June, 1994.

JAMES W. MINER, CHAIRMAN  
 MARVIN KRÖDT, SECRETARY



THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON, IF ANY, ACCEPTED BY CITY COUNCIL OF CITY OF WICHITA, KANSAS, THIS 29<sup>th</sup> DAY OF November, 1994.

*Elmer Brault*, MAYOR  
*Pat Burnett*, CITY CLERK

ENTERED ON TRANSFER RECORD THIS 17<sup>th</sup> DAYS OF January, 1994

*Susan E. Crockett-Spion*, COUNTY CLERK

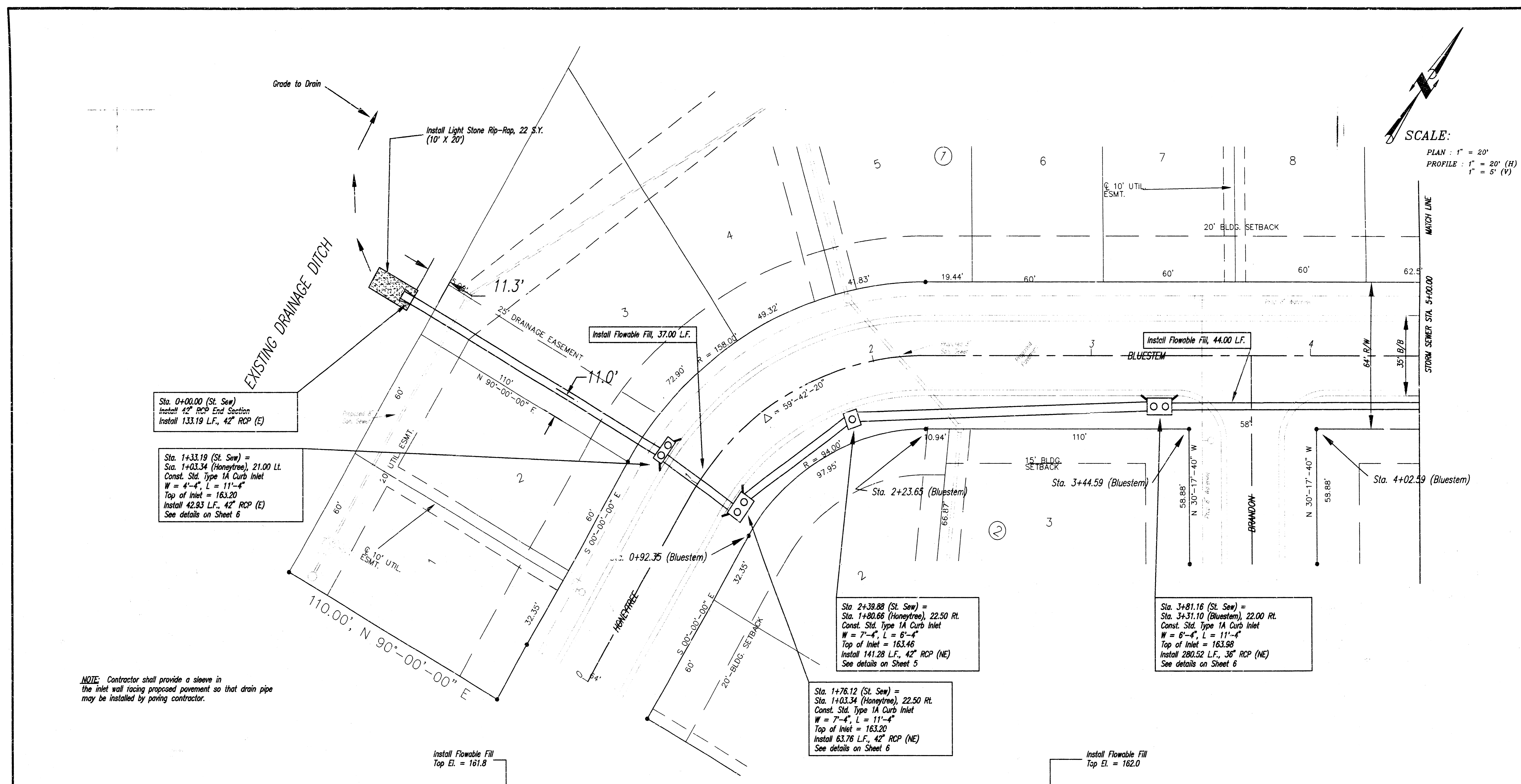
THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS OFFICE AT 2:30 PM ON THIS 17<sup>th</sup> DAY OF JANUARY, 1994



*Pat Kettler*, REGISTER OF DEEDS  
*Ed Resa*, DEPUTY

468-82118 2 OF 6  
**MUNICIPAL ENGINEERS**  
 254-LAURA, SUITE 201  
 WICHITA, KANSAS 67211  
 316-282-3842

SCALE:  
 PLAN : 1" = 20'  
 PROFILE : 1" = 20' (H)  
 1" = 5' (V)



Sta. 0+00.00 (St. Sew)  
 Install 42" RCP End Section  
 Install 133.19 L.F., 42" RCP (E)

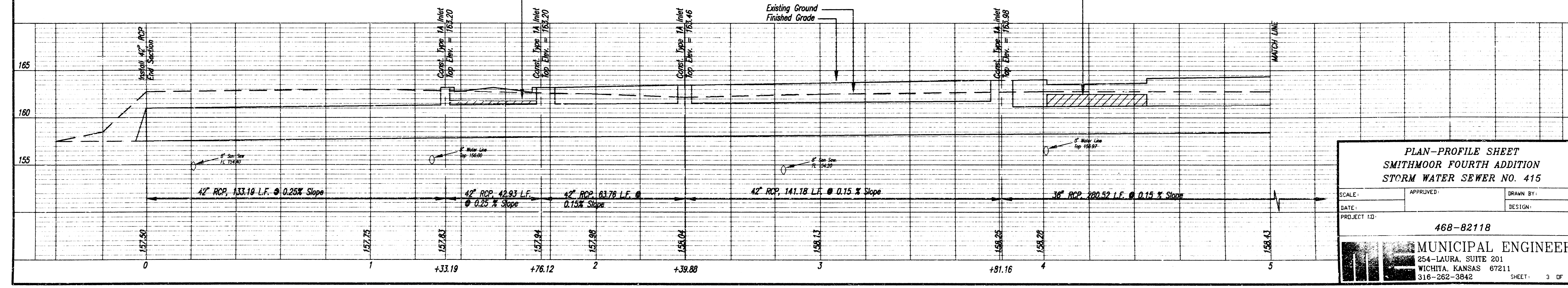
Sta. 1+33.19 (St. Sew) =  
 Sta. 1+03.34 (Honeytree), 21.00 Lt.  
 Const. Std. Type 1A Curb Inlet  
 W = 4'-4", L = 11'-4"  
 Top of Inlet = 163.20  
 Install 42.93 L.F., 42" RCP (E)  
 See details on Sheet 6

Sta. 2+39.88 (St. Sew) =  
 Sta. 1+80.66 (Honeytree), 22.50 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 7'-4", L = 6'-4"  
 Top of Inlet = 163.46  
 Install 141.28 L.F., 42" RCP (NE)  
 See details on Sheet 5

Sta. 1+76.12 (St. Sew) =  
 Sta. 1+03.34 (Honeytree), 22.50 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 7'-4", L = 11'-4"  
 Top of Inlet = 163.20  
 Install 63.76 L.F., 42" RCP (NE)  
 See details on Sheet 6

Sta. 3+81.16 (St. Sew) =  
 Sta. 3+31.10 (Bluestem), 22.00 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 6'-4", L = 11'-4"  
 Top of Inlet = 163.98  
 Install 280.52 L.F., 36" RCP (NE)  
 See details on Sheet 6

NOTE: Contractor shall provide a sleeve in the inlet wall facing proposed pavement so that drain pipe may be installed by paving contractor.

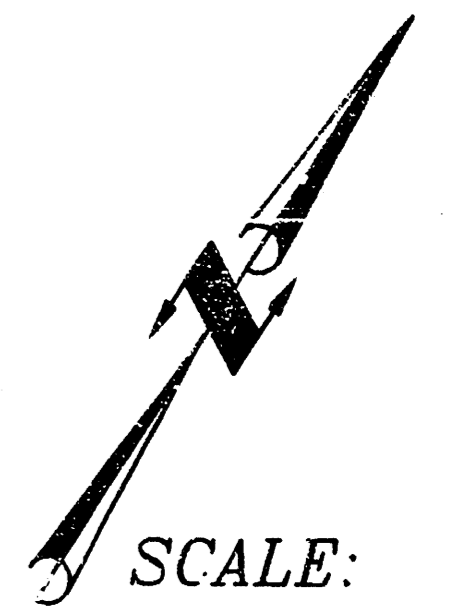


PLAN - PROFILE SHEET  
 SMITHMOOR FOURTH ADDITION  
 STORM WATER SEWER NO. 415

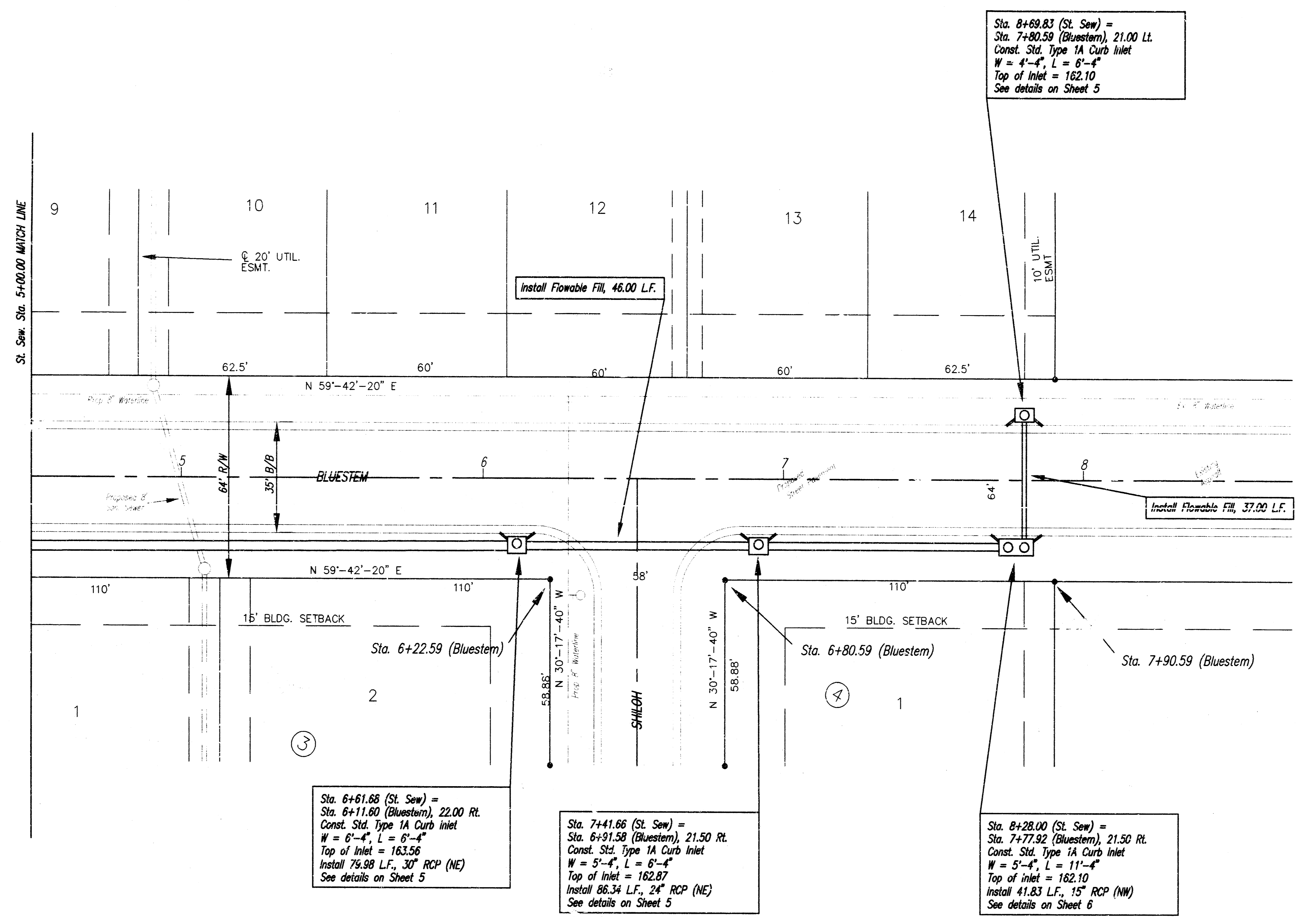
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 DATE: \_\_\_\_\_ DESIGN: \_\_\_\_\_  
 PROJECT I.D.: 468-82118

MUNICIPAL ENGINEERS  
 254-LAURA, SUITE 201  
 WICHITA, KANSAS 67211  
 316-262-3842 SHEET: 3 OF 6

D:\PLUS\DATA\0804-334\DRAN\STSEW201 Thu Feb 15 11:17:05 1996



SCALE:  
 PLN : 1" = 20'  
 PROFILE : 1" = 20' (H)  
 1" = 5' (V)

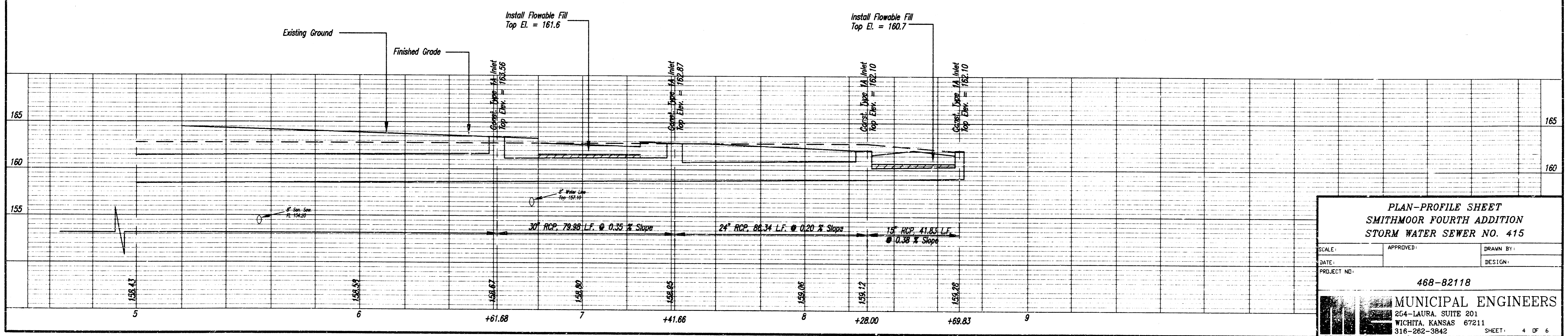


Sta. 6+69.83 (St. Sew) =  
 Sta. 7+80.59 (Bluestem), 21.00 Lt.  
 Const. Std. Type 1A Curb Inlet  
 W = 4'-4", L = 6'-4"  
 Top of Inlet = 162.10  
 See details on Sheet 5

Sta. 6+61.66 (St. Sew) =  
 Sta. 6+11.60 (Bluestem), 22.00 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 6'-4", L = 6'-4"  
 Top of Inlet = 163.56  
 Install 79.98 LF, 30" RCP (NE)  
 See details on Sheet 5

Sta. 7+41.66 (St. Sew) =  
 Sta. 6+91.58 (Bluestem), 21.50 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 5'-4", L = 6'-4"  
 Top of Inlet = 162.87  
 Install 86.34 LF, 24" RCP (NE)  
 See details on Sheet 5

Sta. 8+28.00 (St. Sew) =  
 Sta. 7+77.92 (Bluestem), 21.50 Rt.  
 Const. Std. Type 1A Curb Inlet  
 W = 5'-4", L = 11'-4"  
 Top of Inlet = 162.10  
 Install 41.83 LF, 15" RCP (NW)  
 See details on Sheet 6



PLAN-PROFILE SHEET  
 SMITHMOOR FOURTH ADDITION  
 STORM WATER SEWER NO. 415

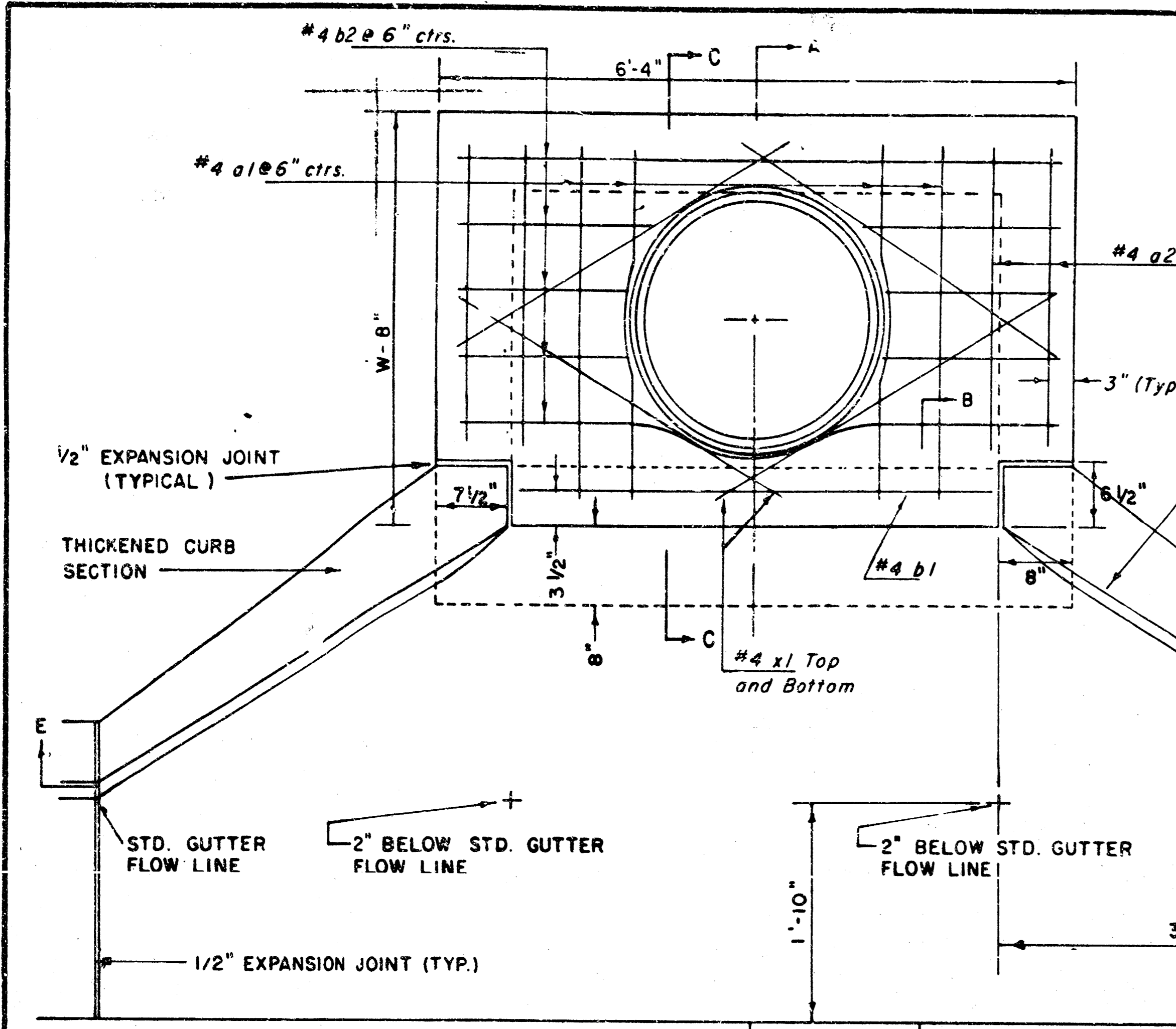
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DATE:		DESIGN:
PROJECT NO:	468-82118	

**MUNICIPAL ENGINEERS**  
 204-LAURA, SUITE 201  
 WICHITA, KANSAS 67211  
 316-262-3842 SHEET: 4 OF 6

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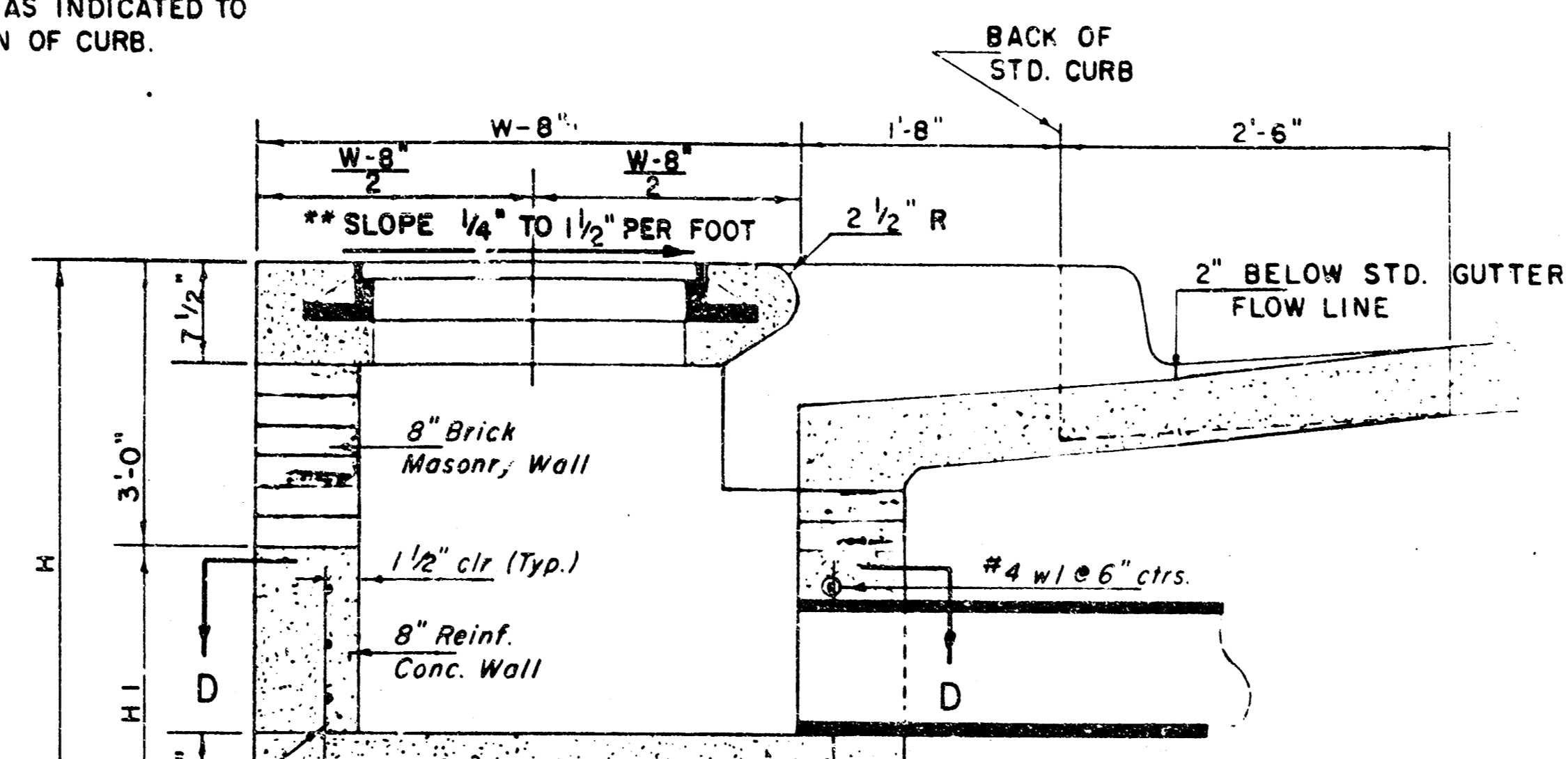
14-3-10

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

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



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.

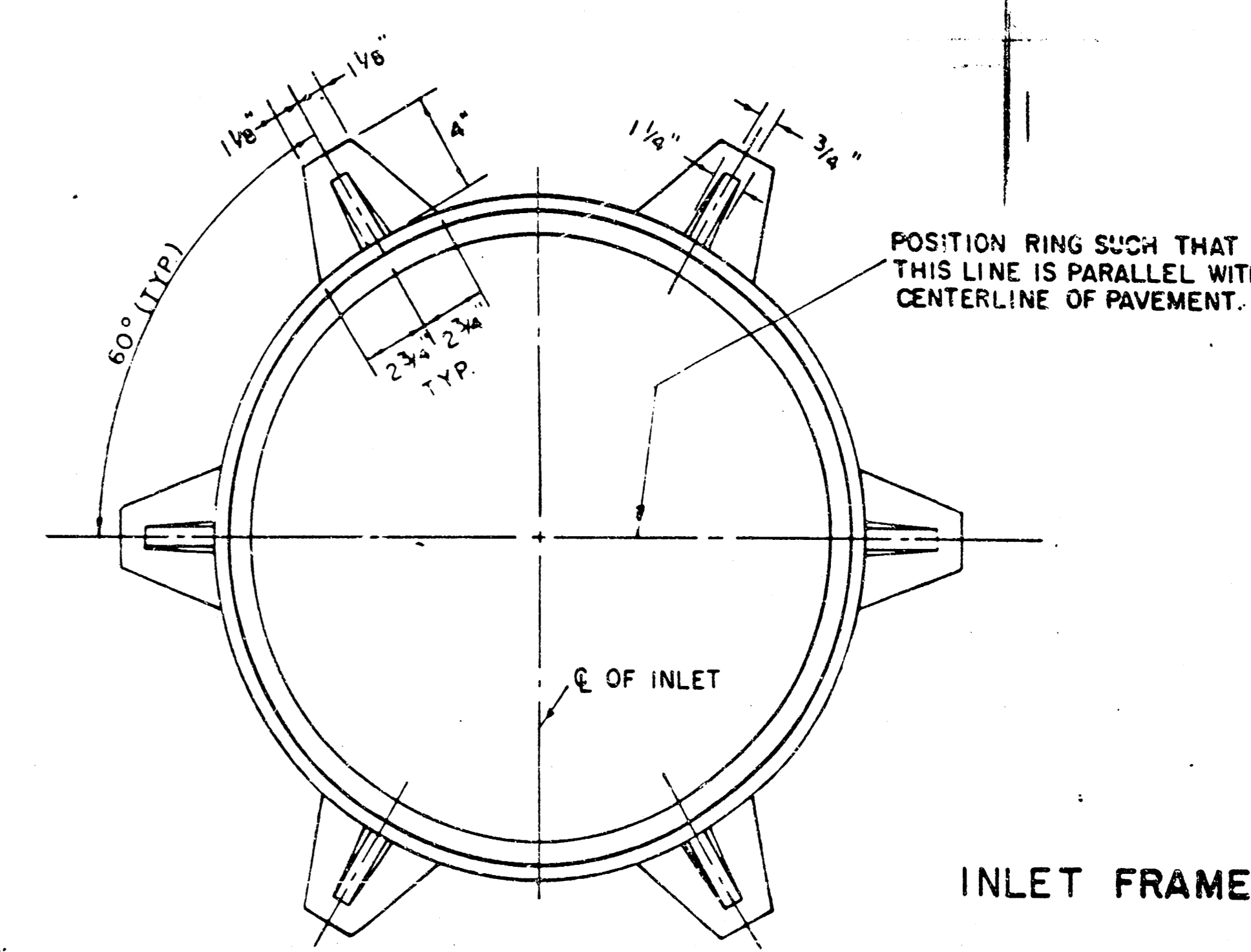
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'-4" AND H = 7'-0" OR LESS.

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.

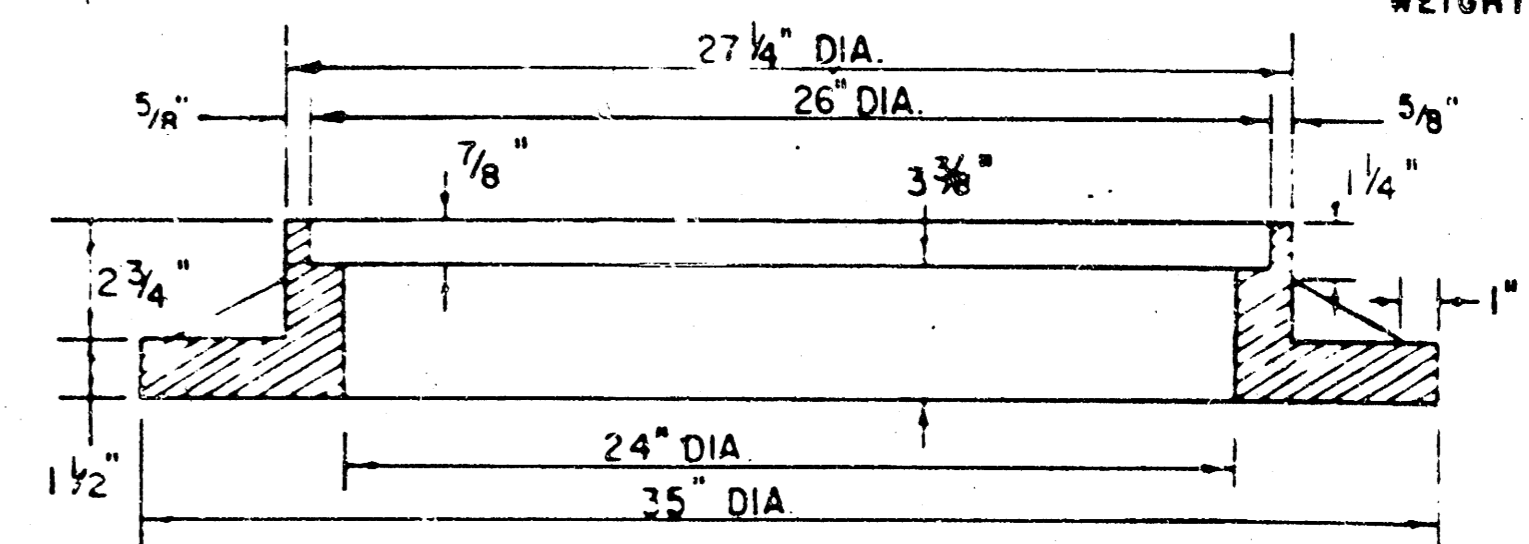
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

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



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.

PRECAST 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	6	6'-7"	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	4'-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"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

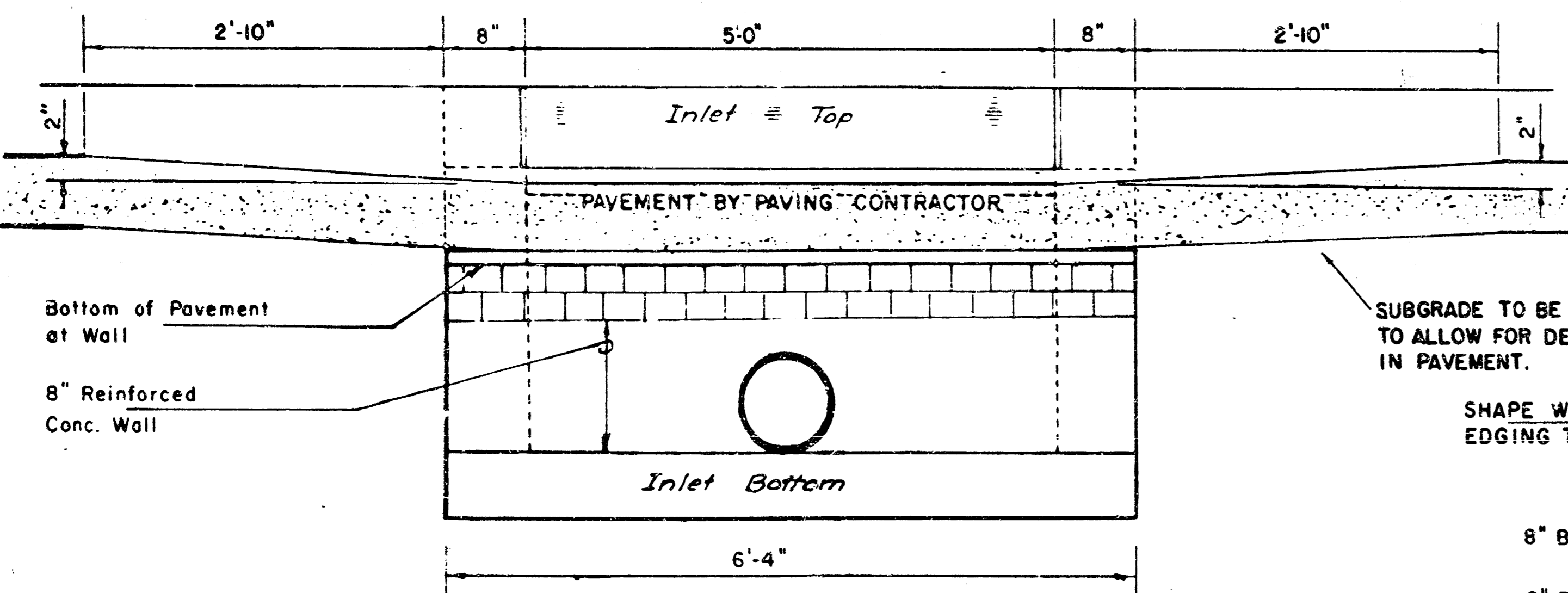
  

WALL REINFORCING											
Mark	Size	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	32	2	36	2	40	2	44	2	48	2

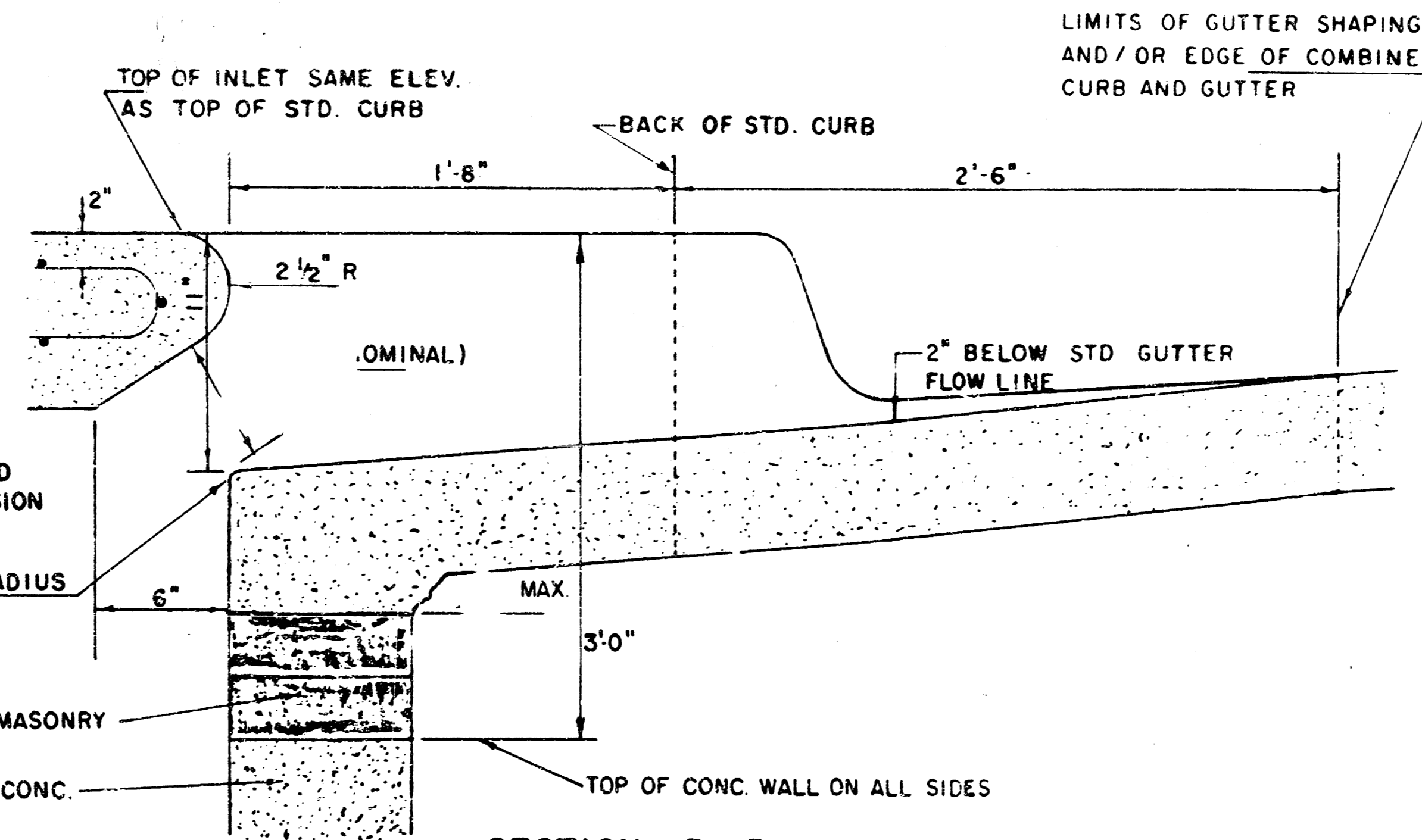
\* Field bend or cut Reinforcing as required for clearance.  
 ① 4(HI-12"); (HI-12") Round down to nearest 0.5"  
 ② HI-3"

BENDING DIAGRAM

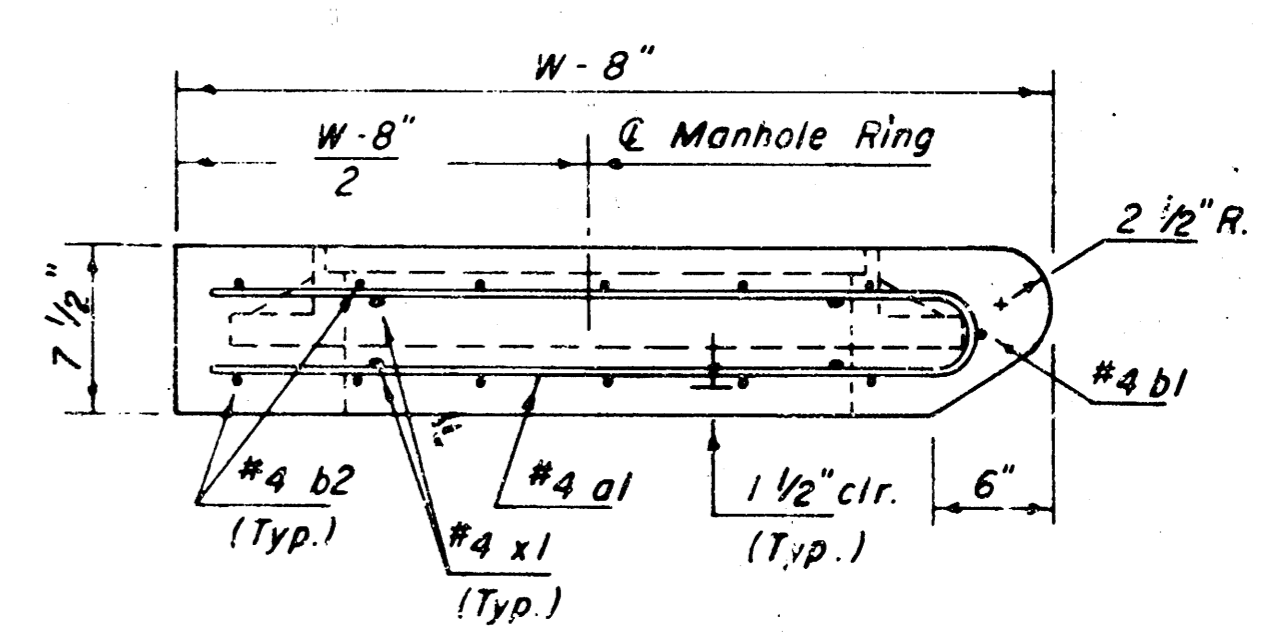
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'8" x 6'4" x 7 1/2"	21" & SMALLER	0.38 ±
5'-4"	4'8" x 6'4" x 7 1/2"	24" & 30"	0.51 ±
6'-4"	5'8" x 6'4" x 7 1/2"	36" & 42"	0.64 ±
7'-4"	6'8" x 6'4" x 7 1/2"	48" & 54"	0.77 ±
8'-4"	7'8" x 6'4" x 7 1/2"	60" & 66"	0.90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



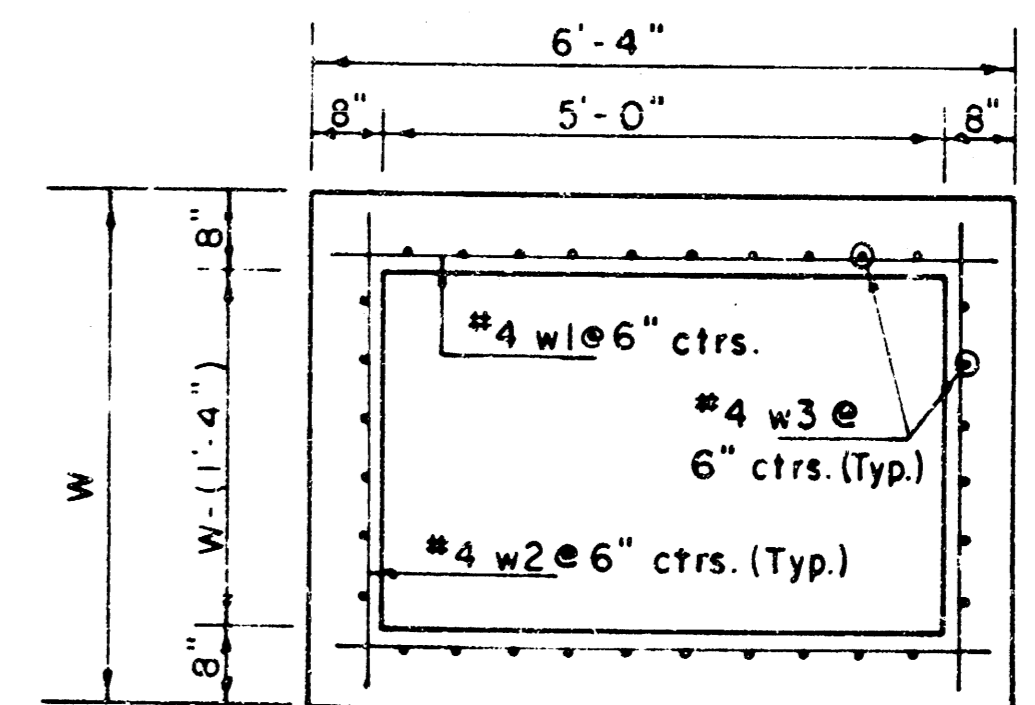
SECTION E-E



SECTION B-B



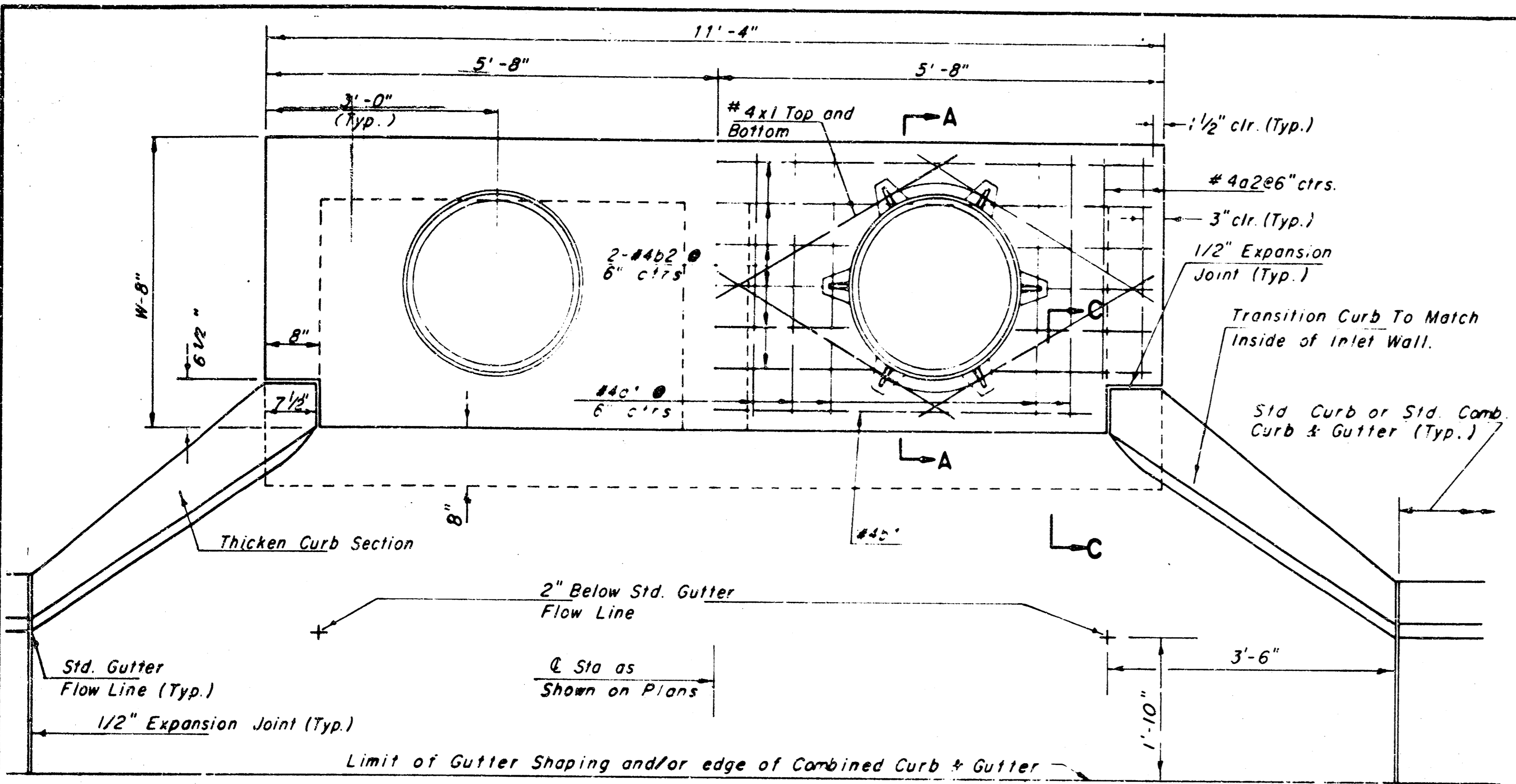
SECTION C-C



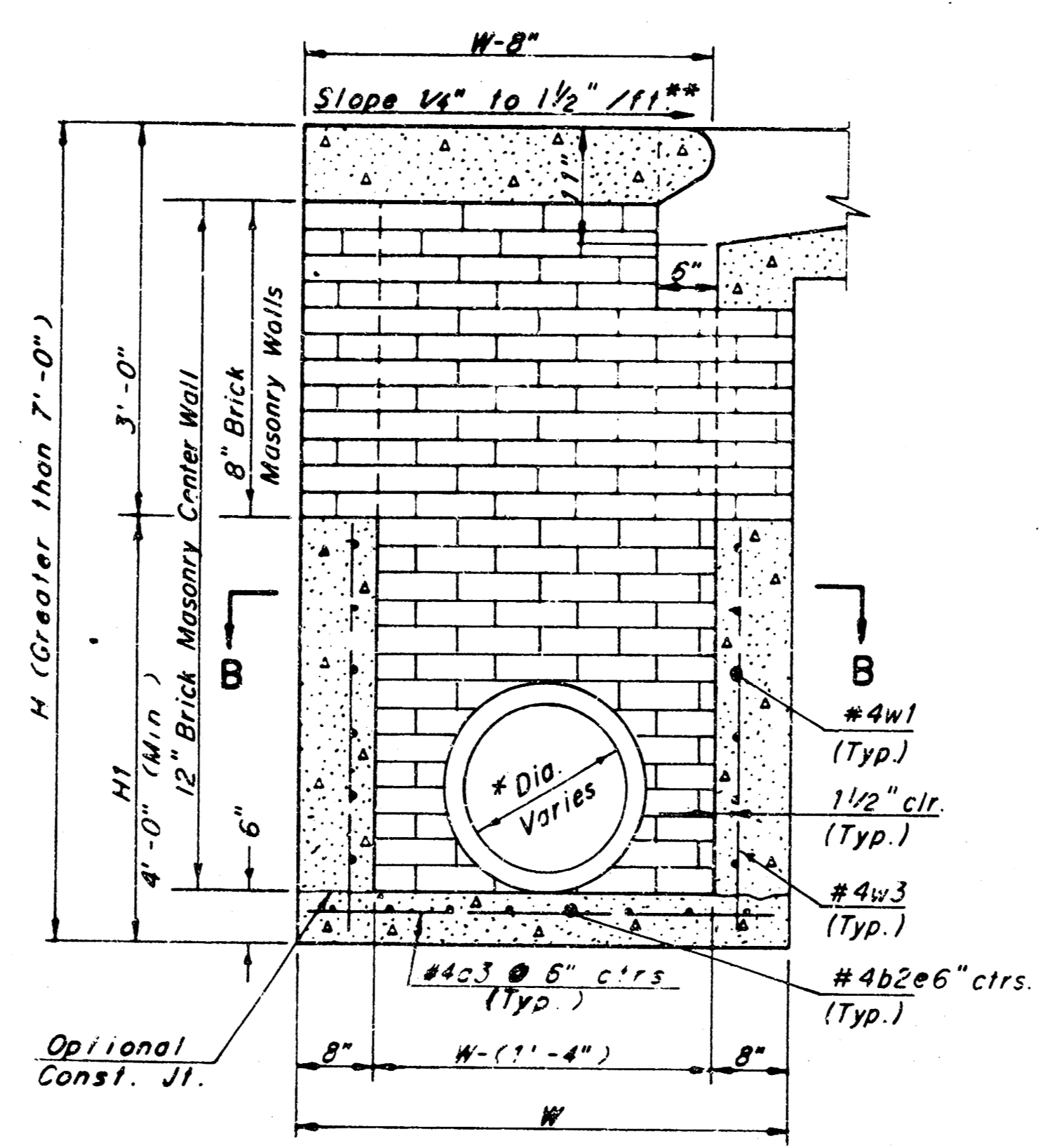
SECTION D-D

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

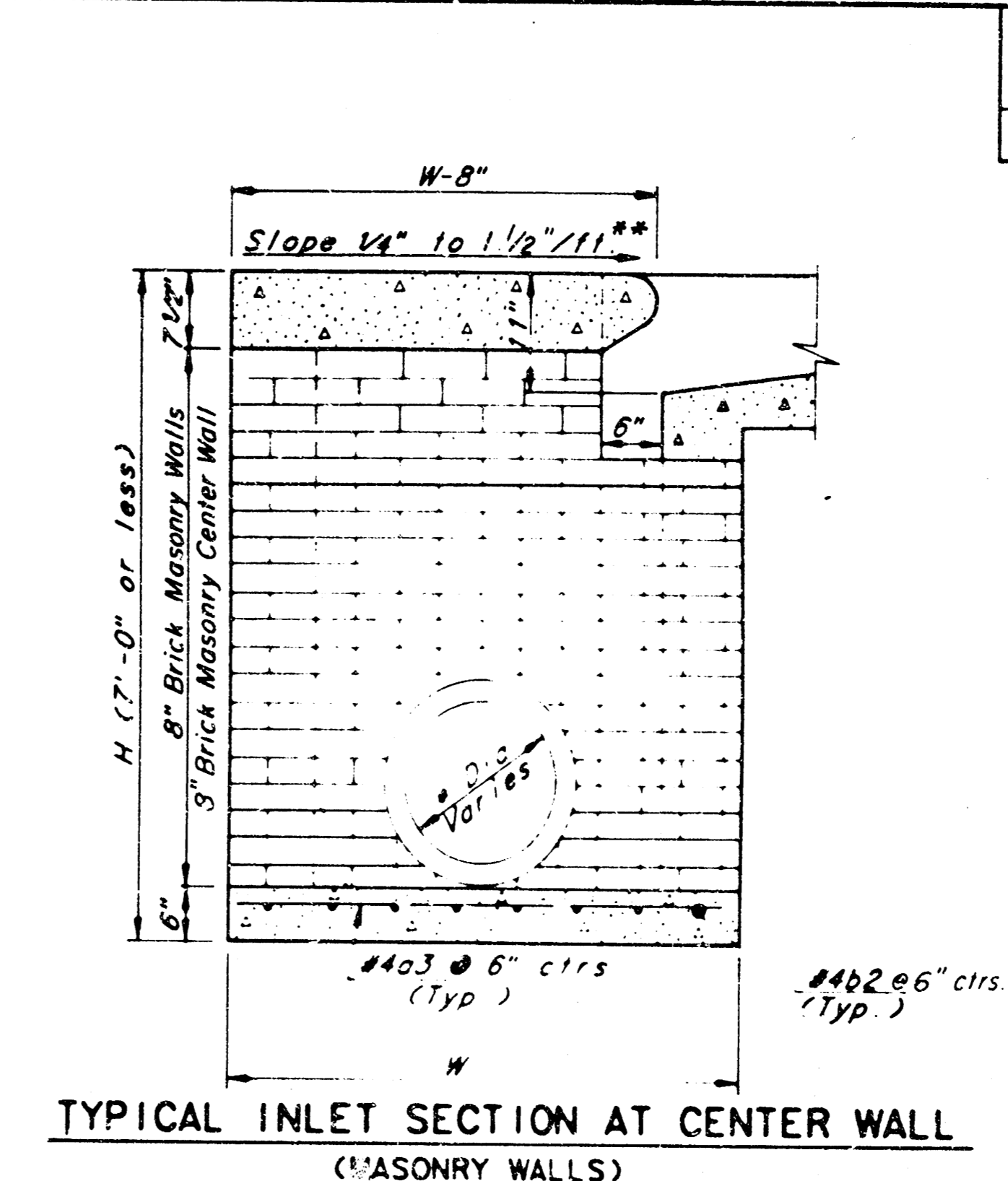
DETAIL STANDARD TYPE IA CURB INLET  
 CITY OF WICHITA, KANSAS  
 INLET OPENING = 6" x 5'0"  
 468-82118  
 JUNE 1984



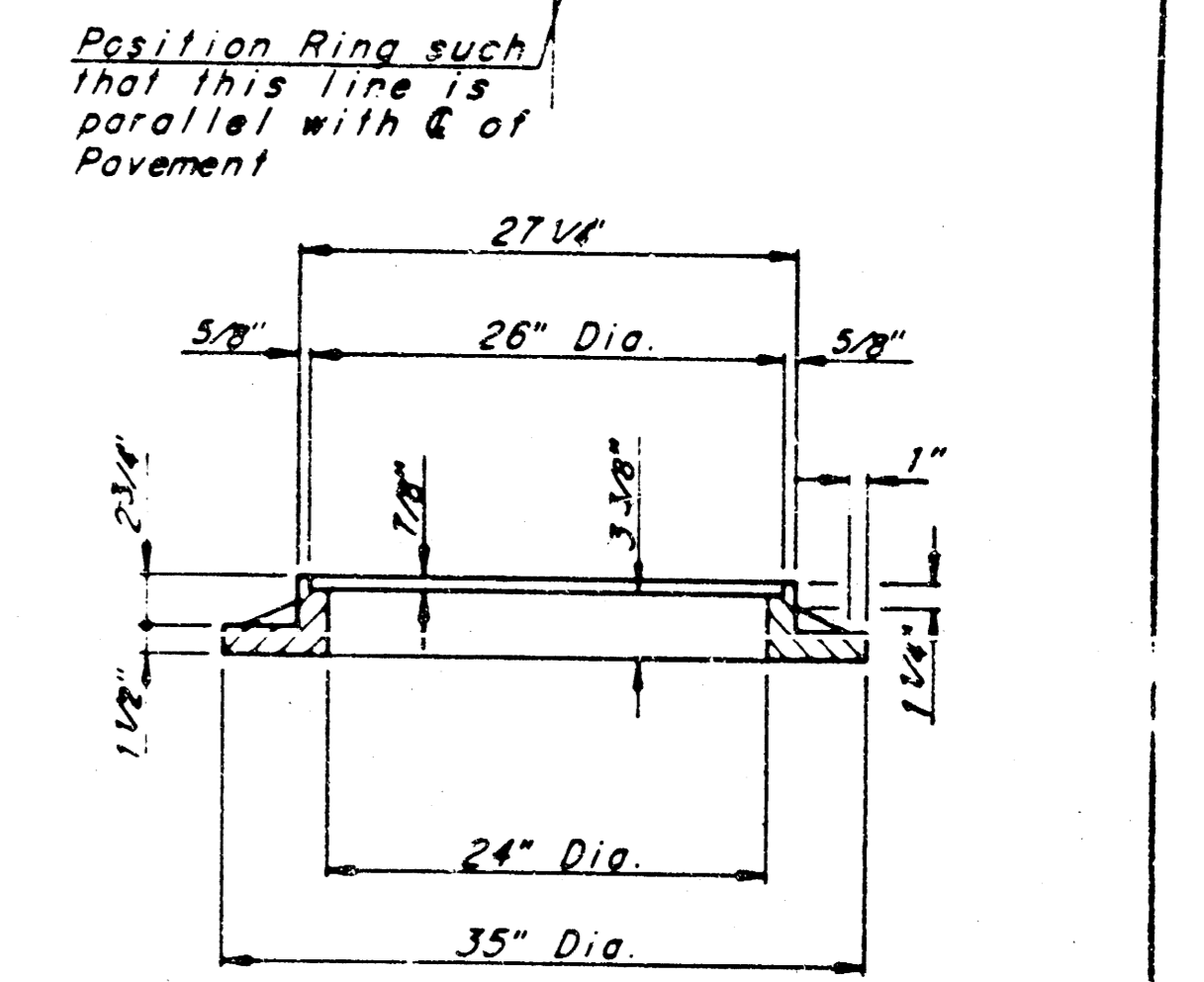
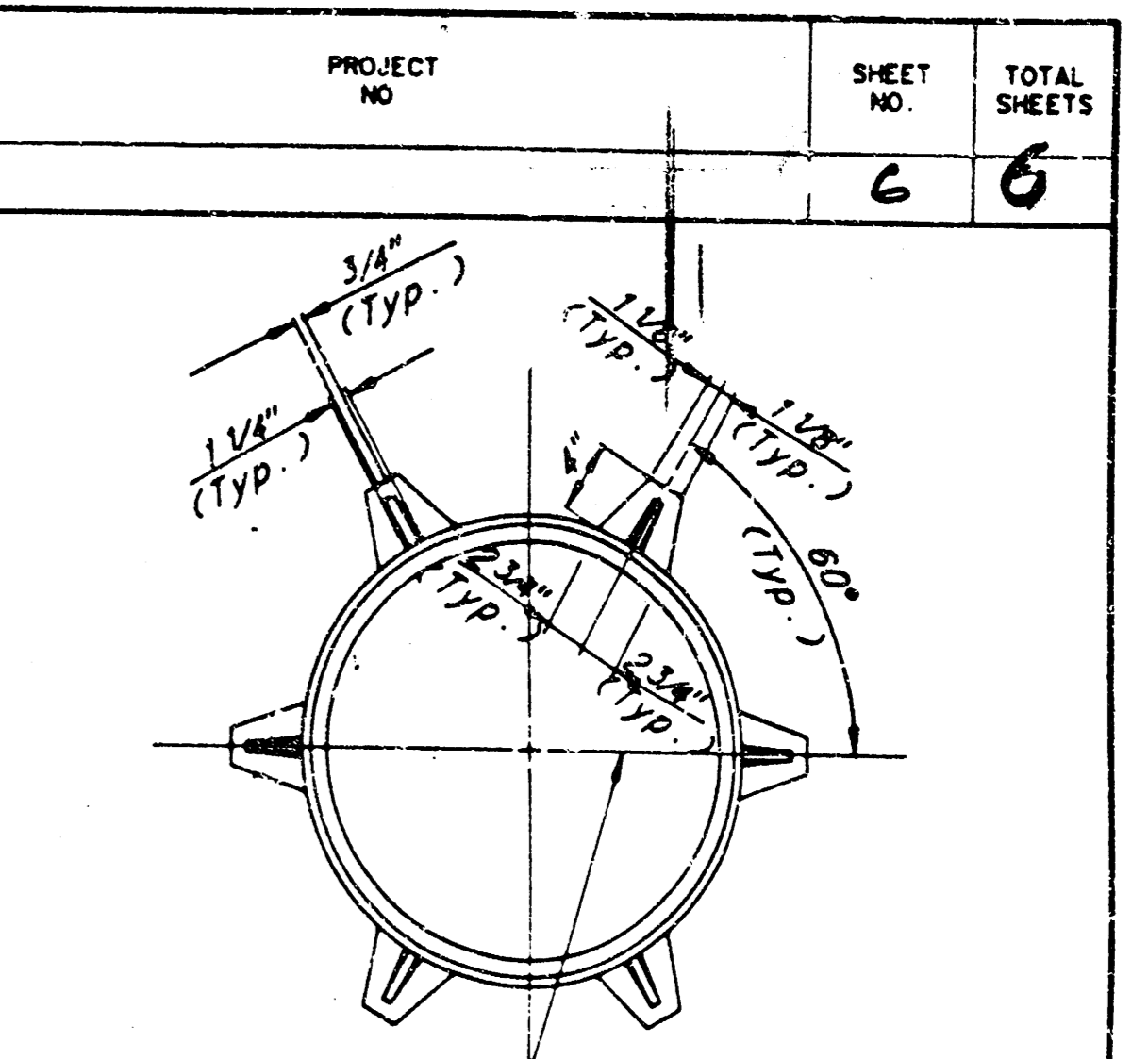
SLAB REINFORCING NOT SHOWN SHOWING SLAB REINFORCING  
**PLAN**  
 NOTE Expansion Joint only in Curb Area with Conc. Pavement.



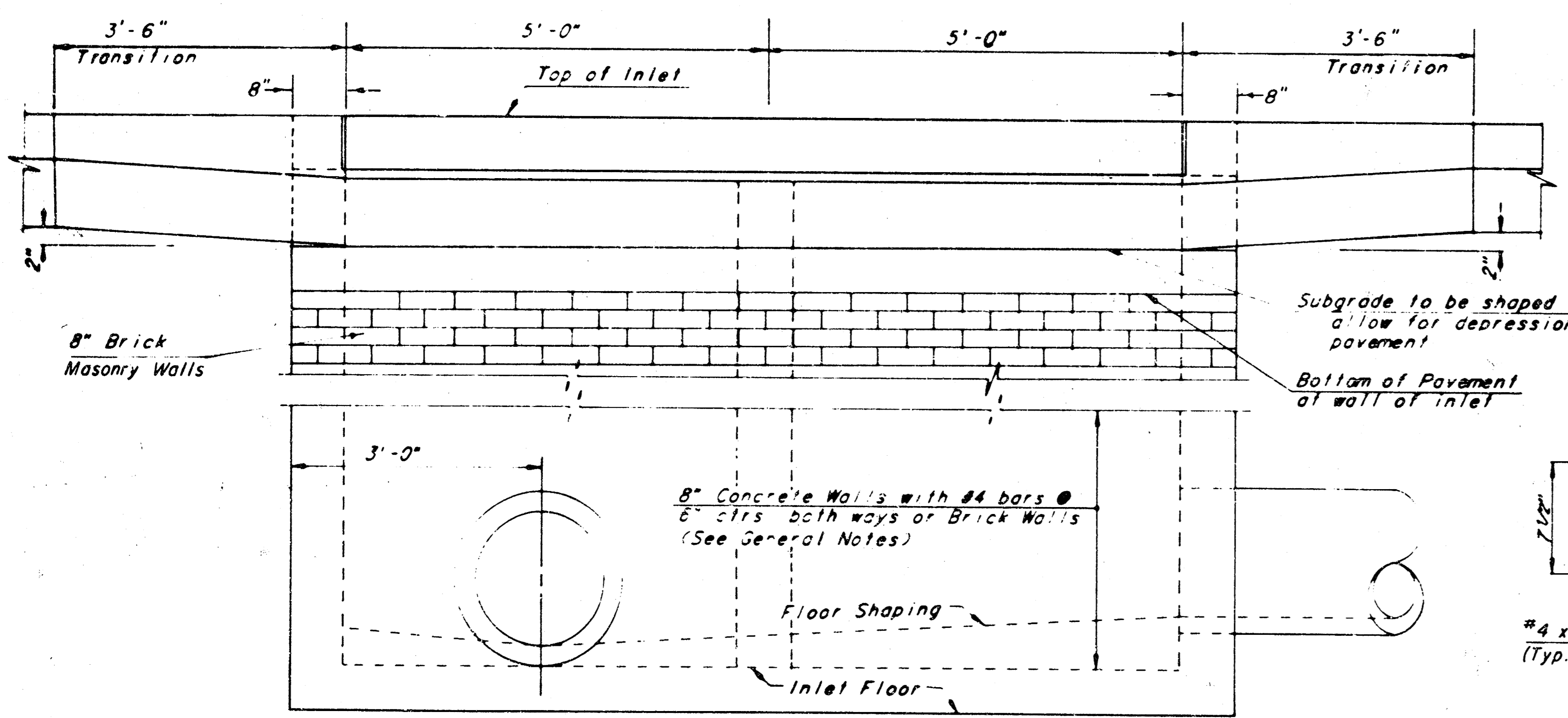
**TYPICAL INLET SECTION AT CENTER WALL (REINFORCED CONCRETE WALLS)**



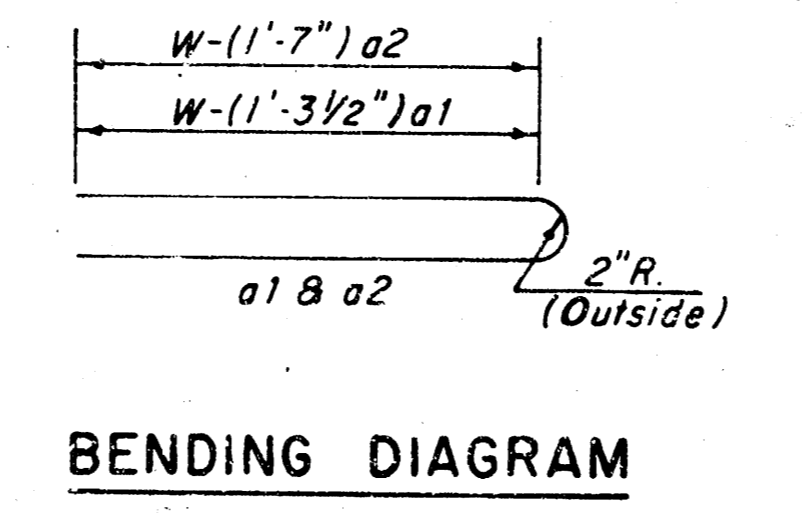
**TYPICAL INLET SECTION AT CENTER WALL (MASONRY WALLS)**



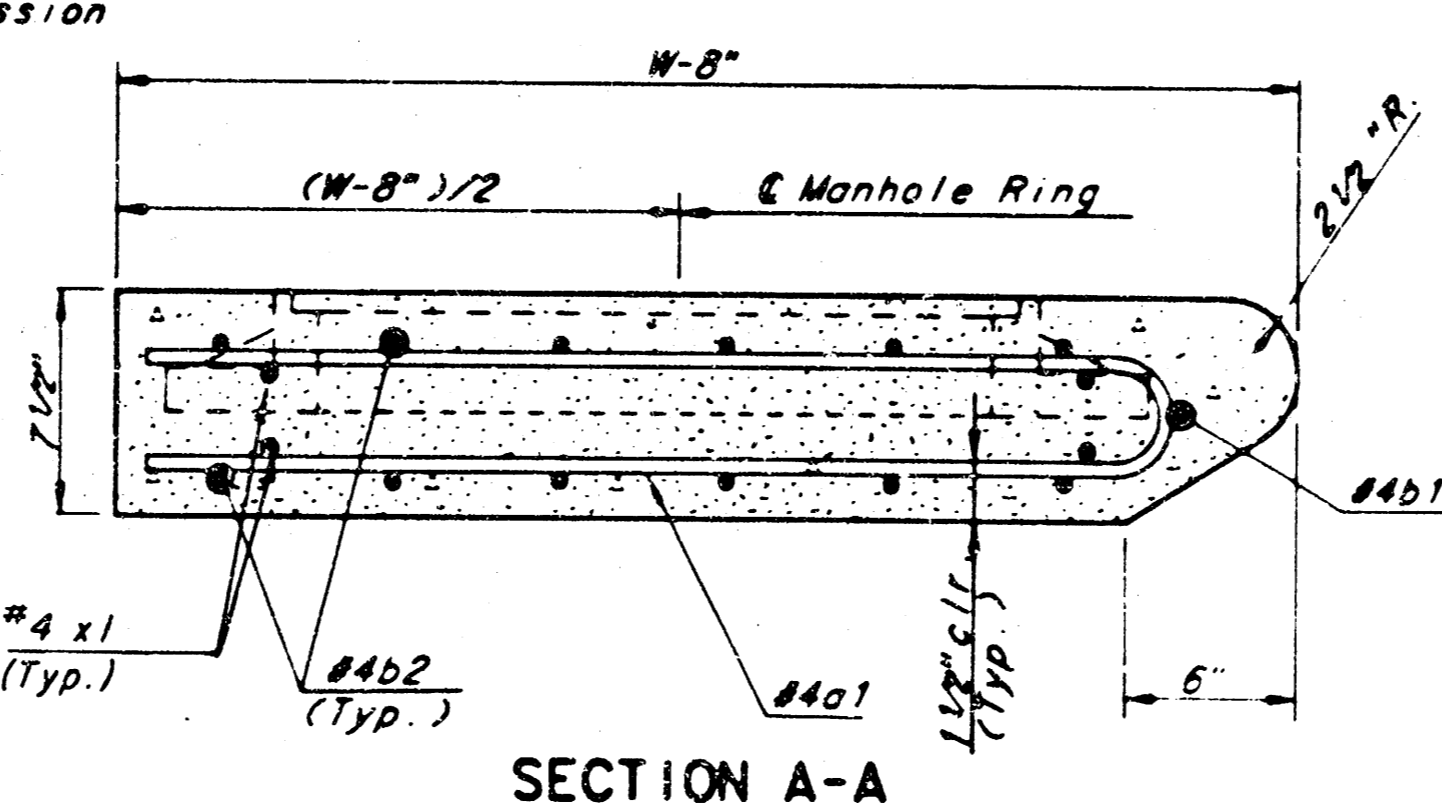
**CAST IRON INLET RING**  
 Wt. = 180 lbs.



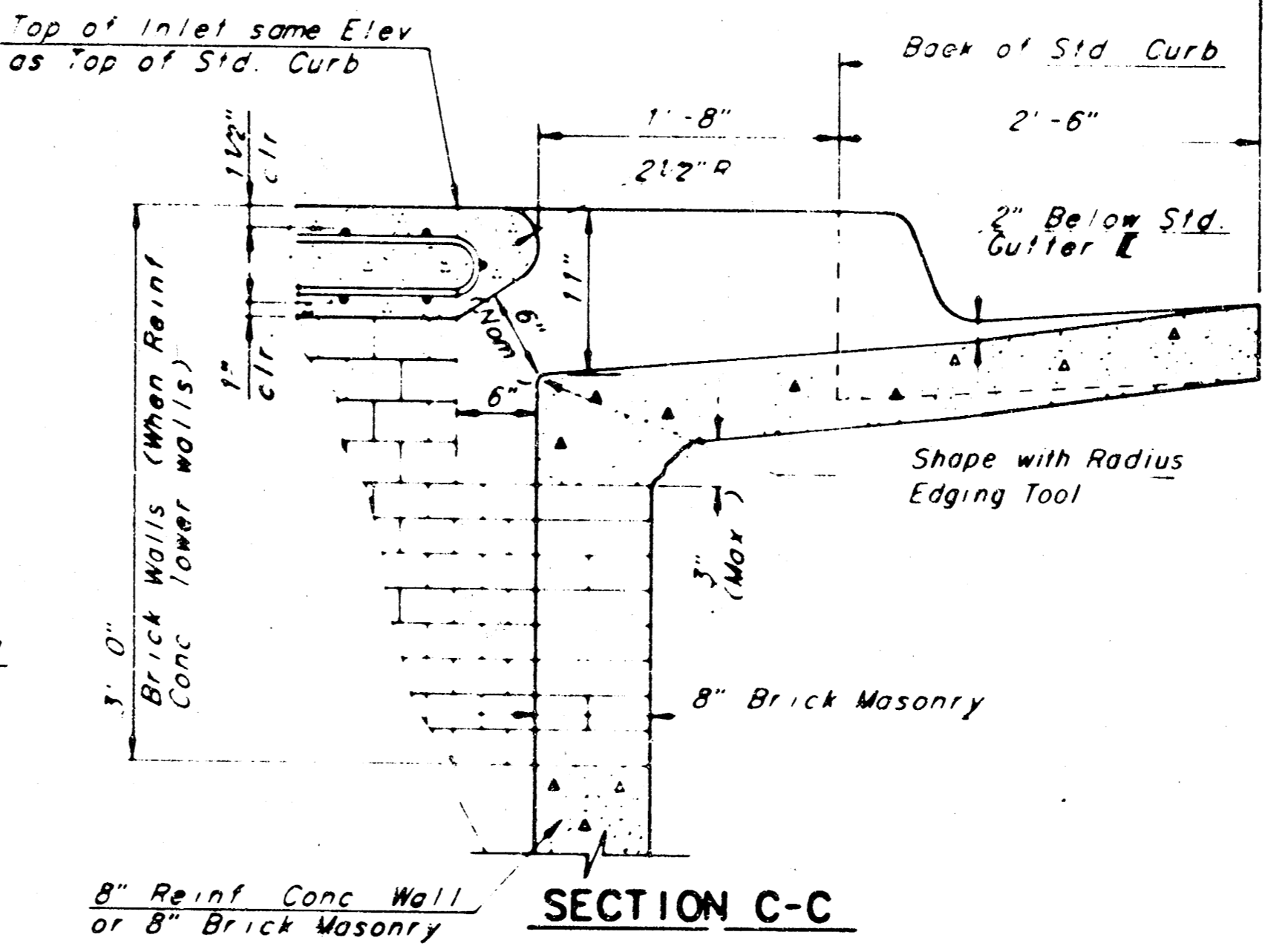
**ELEVATION**



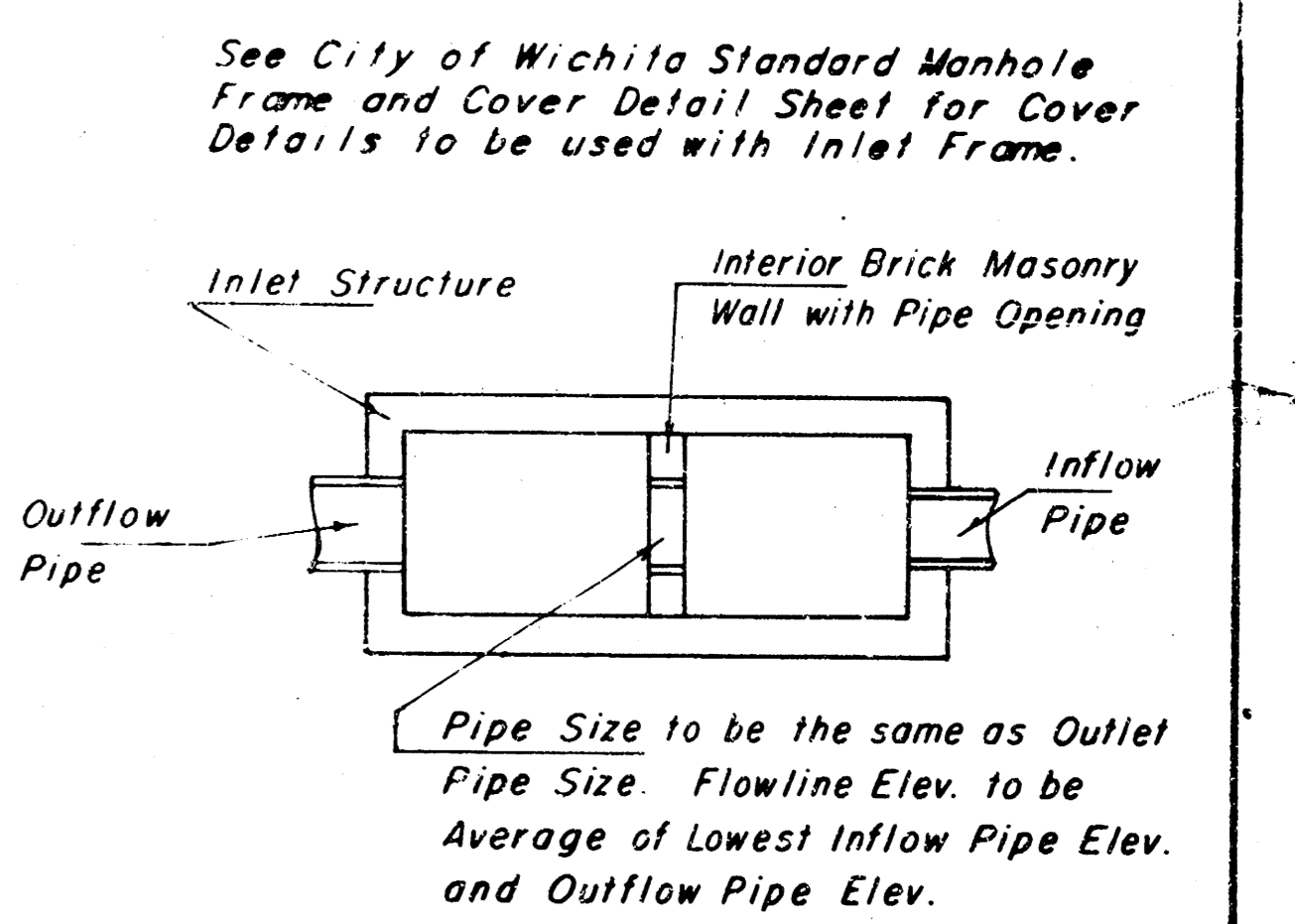
**BENDING DIAGRAM**



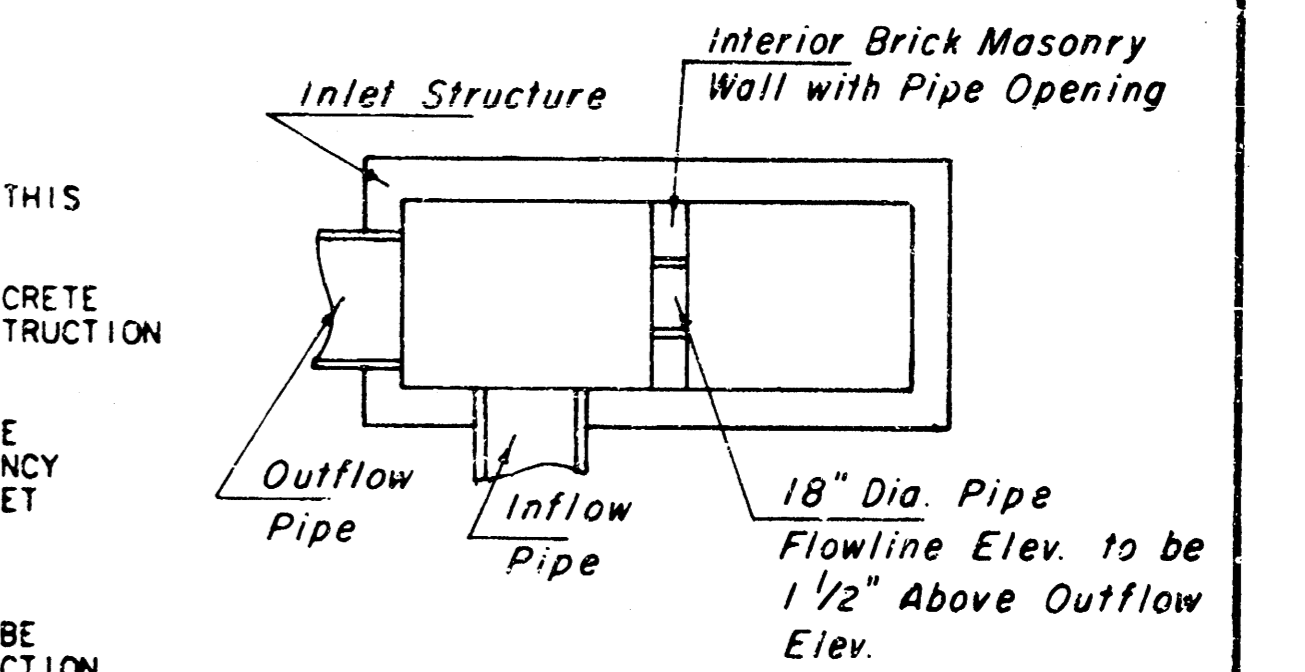
**SECTION A-A**



**SECTION C-C**



**CASE I**



**CASE II**

- GENERAL NOTES**
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" OR LESS AND 4"-7'-0" OR LESS WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0". THE OUTSIDE INLET WALLS BELOW 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 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.
  - 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.
  - INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
  - 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	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
a0	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

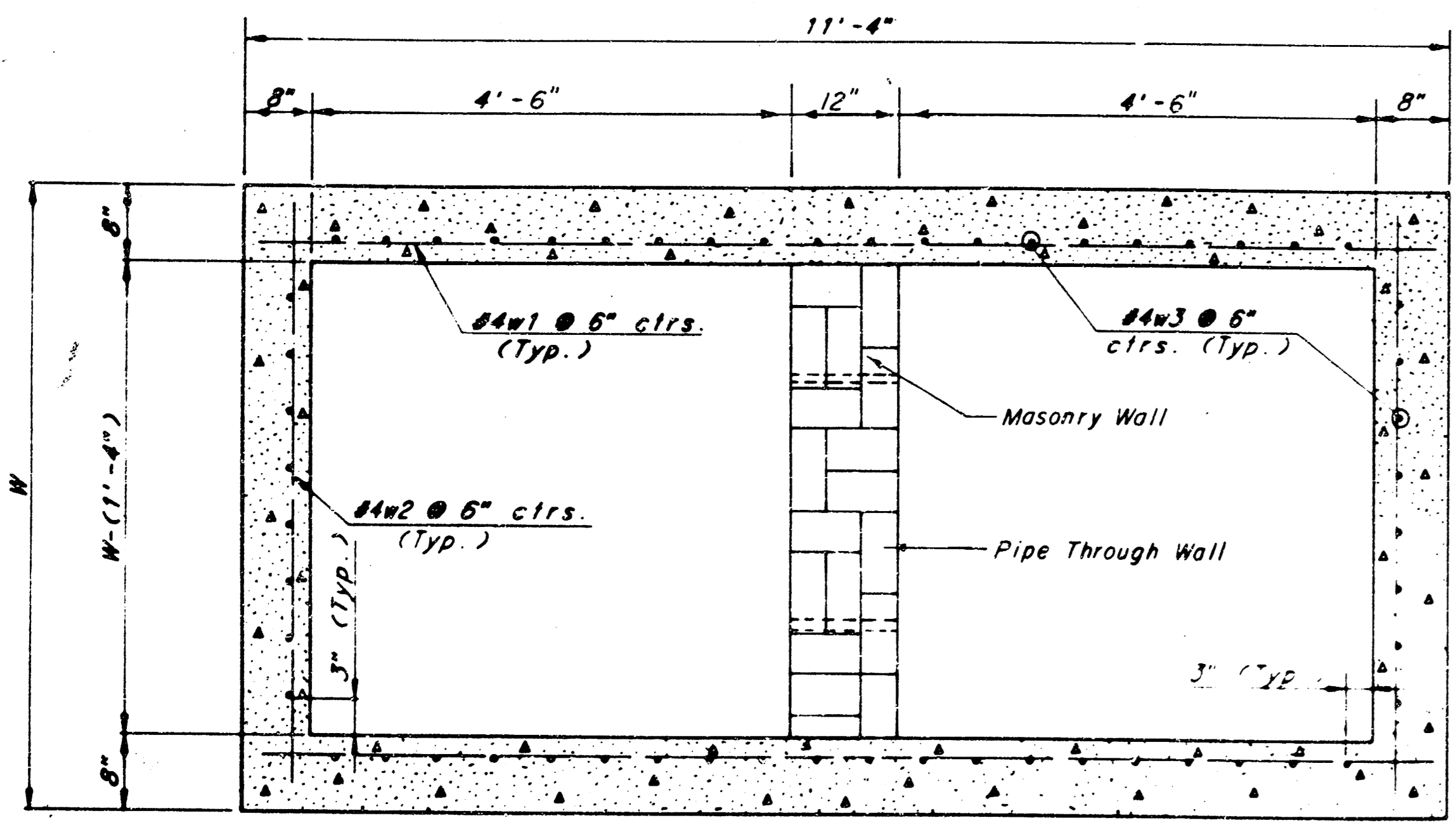
**WALL REINFORCING**

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
w1	#4	①	11'-1"	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"	①	8'-1"
w3	#4	52	②	56	②	60	②	64	②	68	②

\* Field bend or cut Reinforcing as required for clearance  
 ① (H1-12") (H1-12") Rounded down to nearest 0.5"  
 ② H1-3"

**STANDARD CURB INLET PRECAST TOPS**

W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 11'-4" x 7 1/2"	21" B SMALLER	0.83 ±
5'-4"	4'-8" x 11'-4" x 7 1/2"	24" B 30"	1.09 ±
6'-4"	5'-8" x 11'-4" x 7 1/2"	36" B 42"	1.35 ±
7'-4"	6'-8" x 11'-4" x 7 1/2"	48" B 54"	1.61 ±
8'-4"	7'-8" x 11'-4" x 7 1/2"	60" B 66"	1.87 ±



**SECTION B-B**

**STANDARD TYPE 1A CURB INLET**  
 INLET OPENING = 6" x 10' - 0"

468 - 82118  
 WICHITA, KANSAS