

STORM WATER SEWER #359

GENERAL NOTES

- 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.
- 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 Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
- 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 in accordance with state law.
- All areas disturbed by ditch regrading operations shall be fertilized, seeded, and mulched per City of Wichita standard specifications.
- The Contractor shall provide temporary driveway access to Lot 1, Aldersgate Addition, during the construction period.

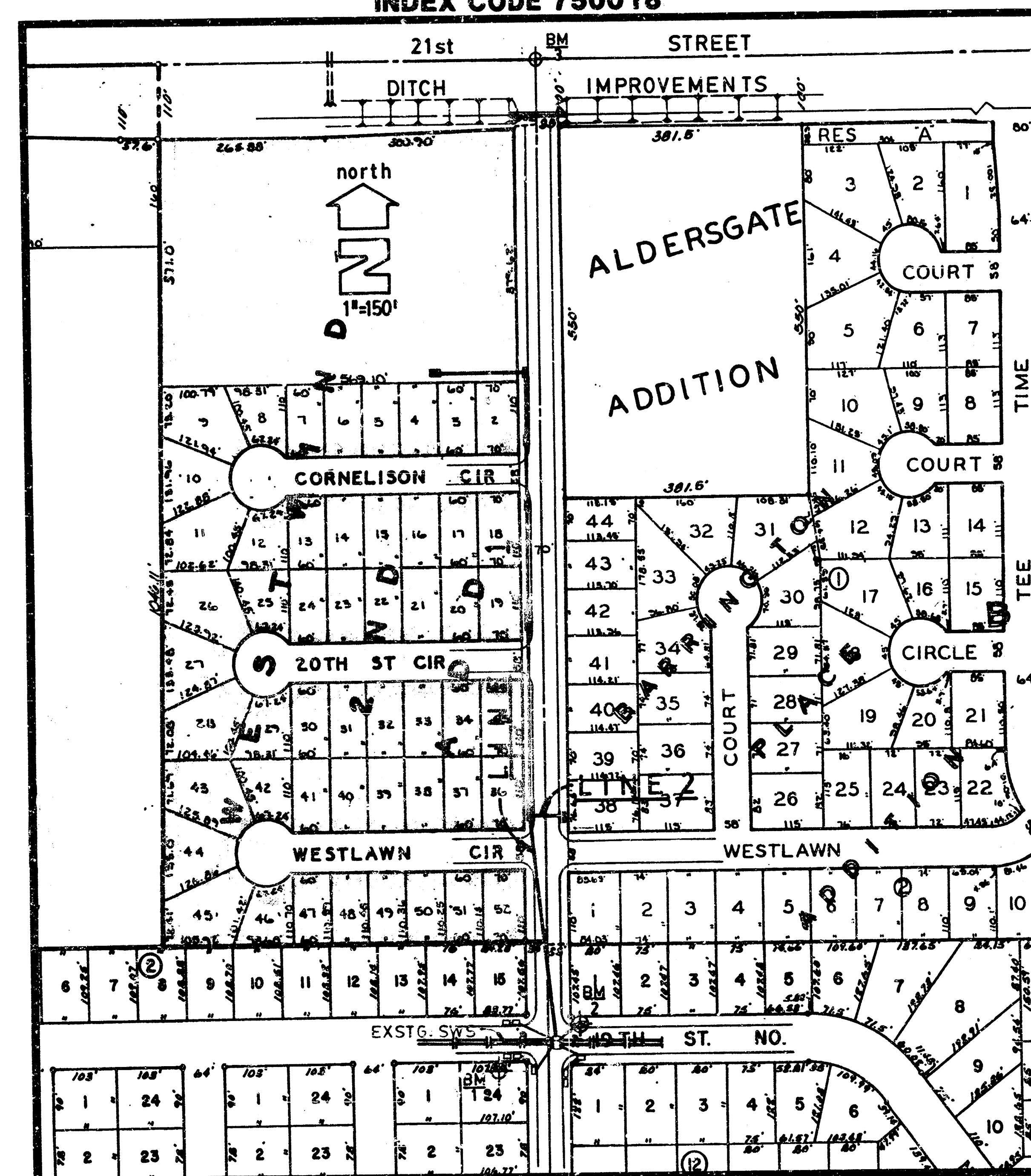
BENCHMARKS

- R.R. Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
- "C" Cut SW Cor. of catch basin, E End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
- Top of Iron in Thimble NE Cor. NW 1/4, Sec. 9, T27S, R1W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

PROJECT NUMBER

468-76-245-81816-000-000-001

INDEX CODE 750018

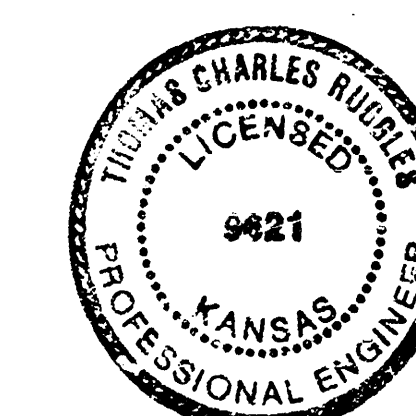


CITY of WICHITA, KANSAS
MICHAEL E. LINDEBAK
CITY ENGINEER

INDEX of SHEETS

- TITLE SHEET
- PLAN / PROFILE
- STD. 1-A INLET DETAILS
- L=4'4", W=4'4"
- L=11'4", W=5'4"
- DITCH IMPROVEMENTS
- PLAN / PROFILE
- R.C.B.C. DETAILS
- DITCH X SECTIONS

Booked
2/2/90
MG



JULY 3, 1989

TITLE SHEET

BAUGHMAN COMPANY, P.A.				1
SURVEYING & ENGINEERING				1
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
Drawn: TCR	Check: Sonny	Approved: N.B.W.	Date: May 89	Notes: 11

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AVAILABLE COPY

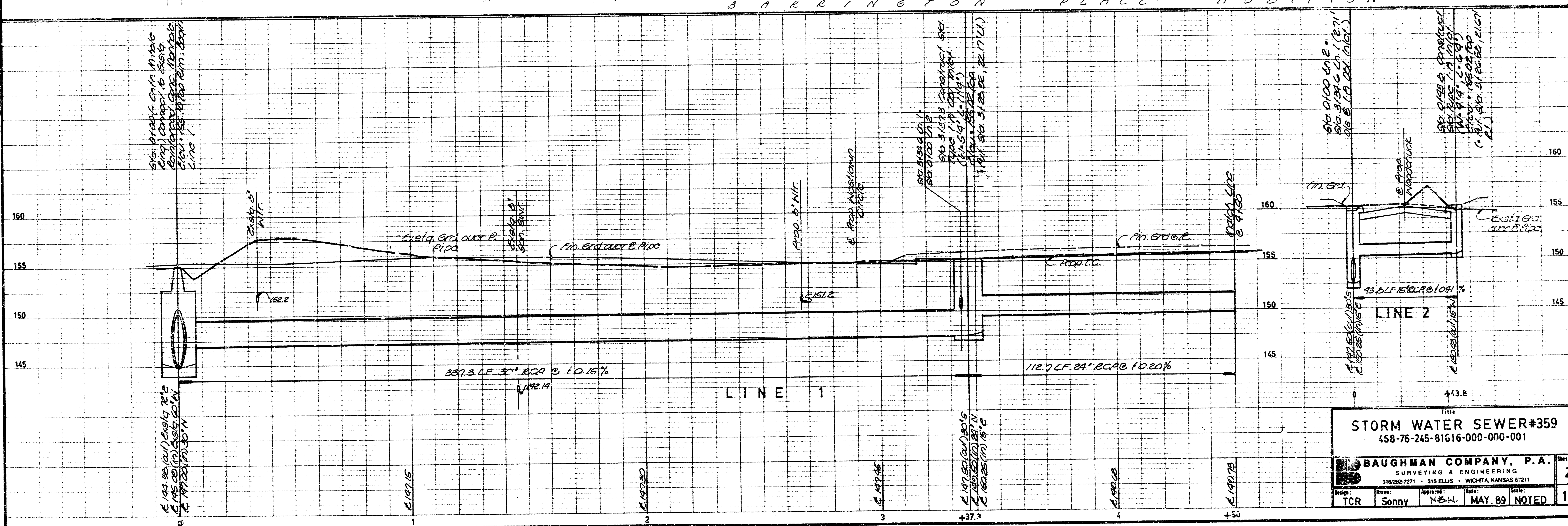
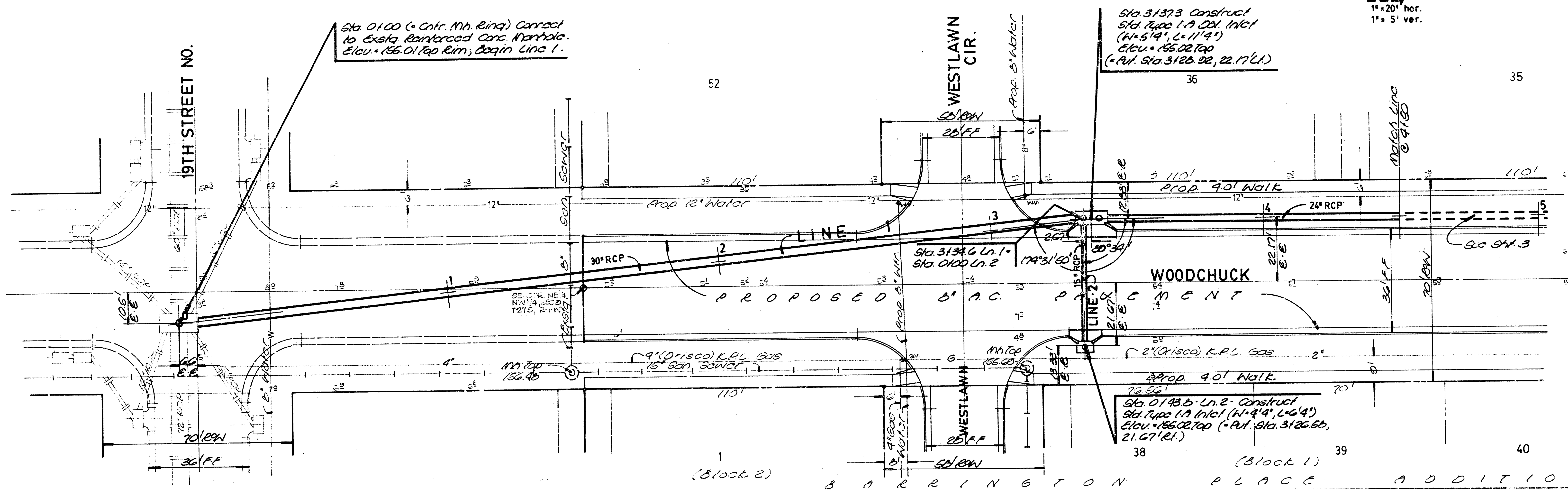
WESTLINK VILLAGE SIXTEENTH

WESTWIND SECOND ADDITION

BENCHMARKS

1. R.R. Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
2. "a" Cut SW Cor. of catch basin, E. End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW 1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

1" = 20' hor.
1" = 5' ver.



STORM WATER SEWER#359
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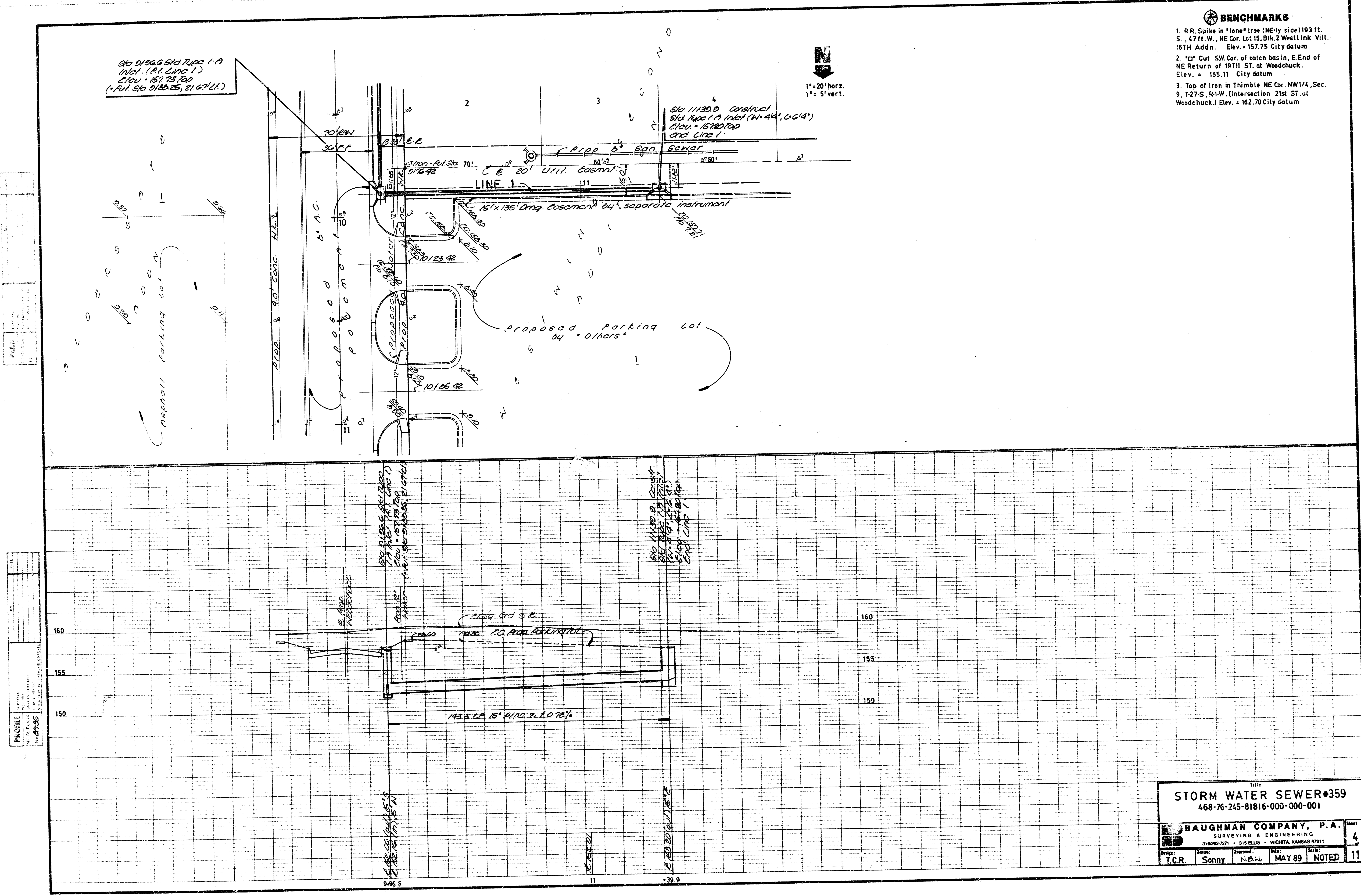
				BAUGHMAN COMPANY, P.A.		Sheet
SURVEYING & ENGINEERING						
310/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211						
Design:	Drawn:	Approved:	Date:	Scale:		
TCR	Sonny	N.E.H.	MAY. 89	NOTED	1	

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BENCHMARKS

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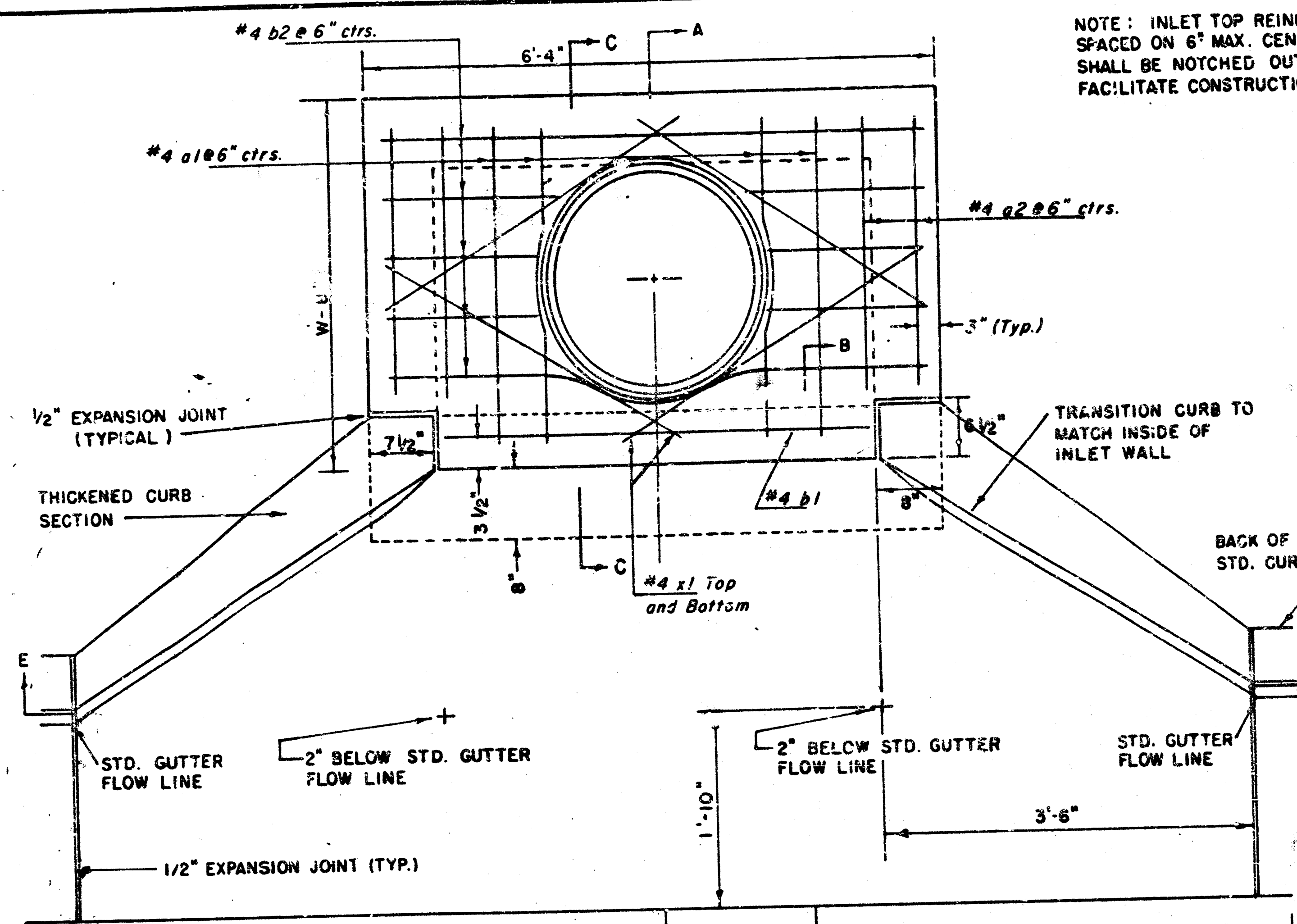


STORM WATER SEWER #359
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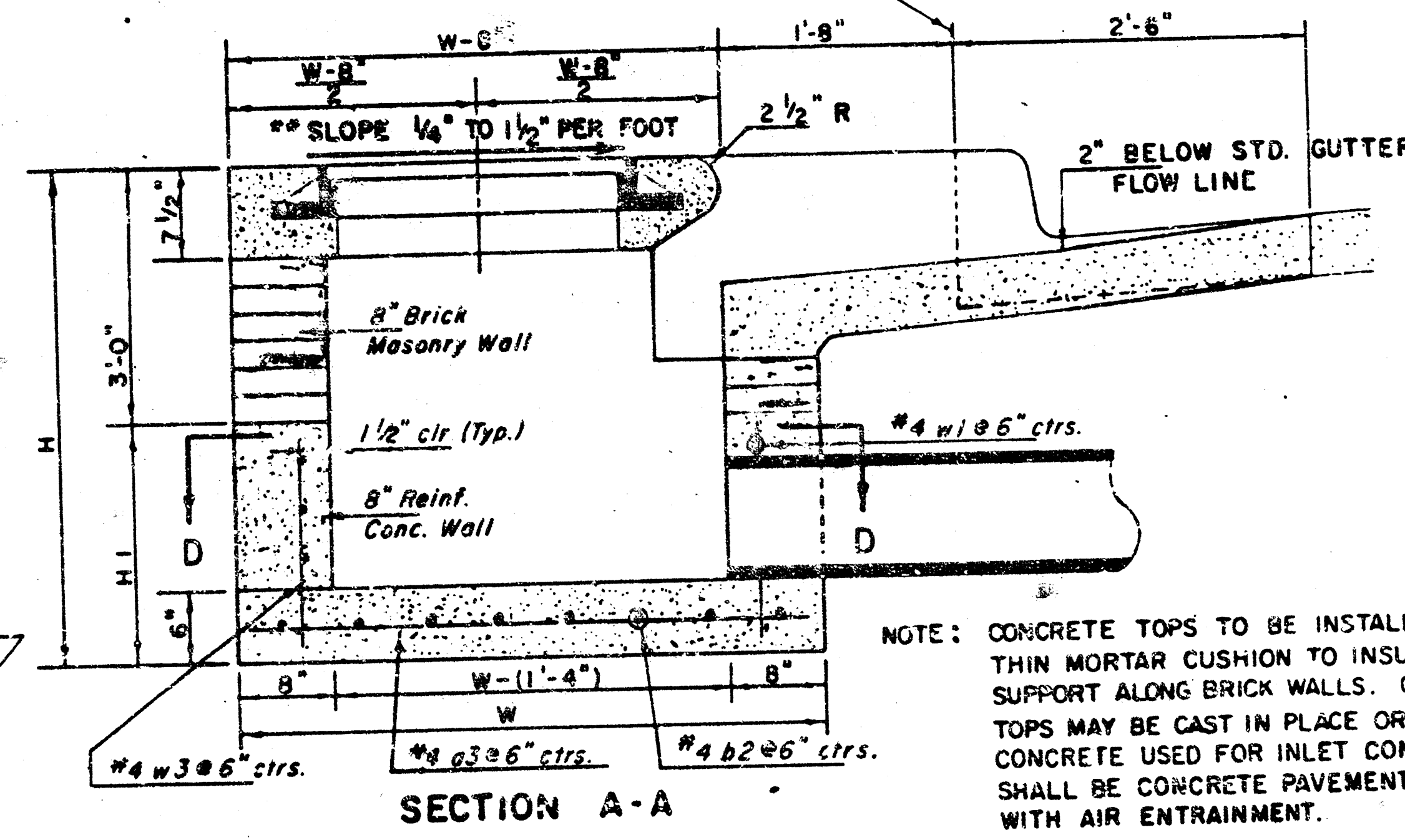
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design: T.C.R.	Drawn: Sonny	Approved: NEW	Date: MAY 89	Scale: NOTED	Sheet: 4 of 11
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NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.



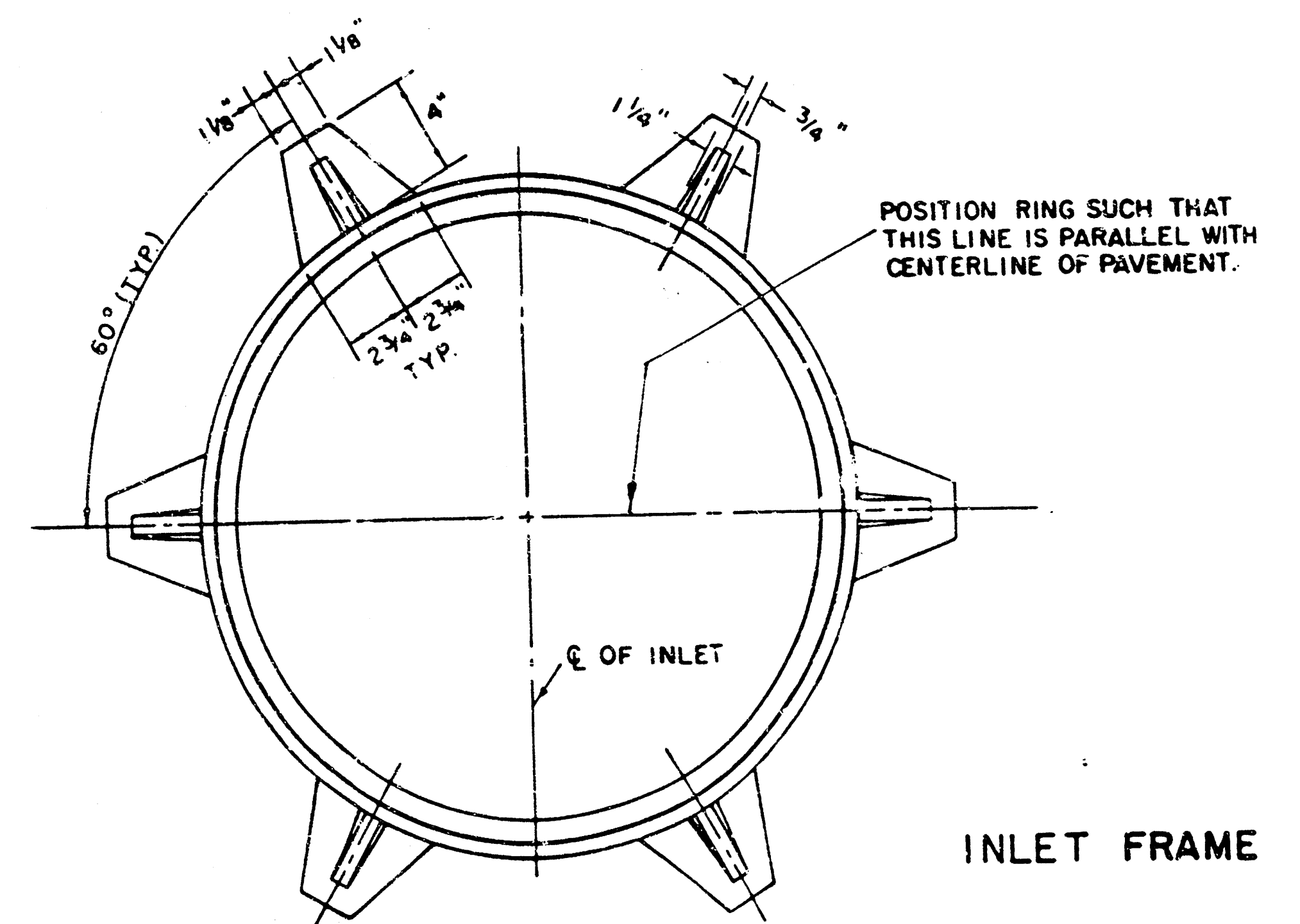
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.

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.

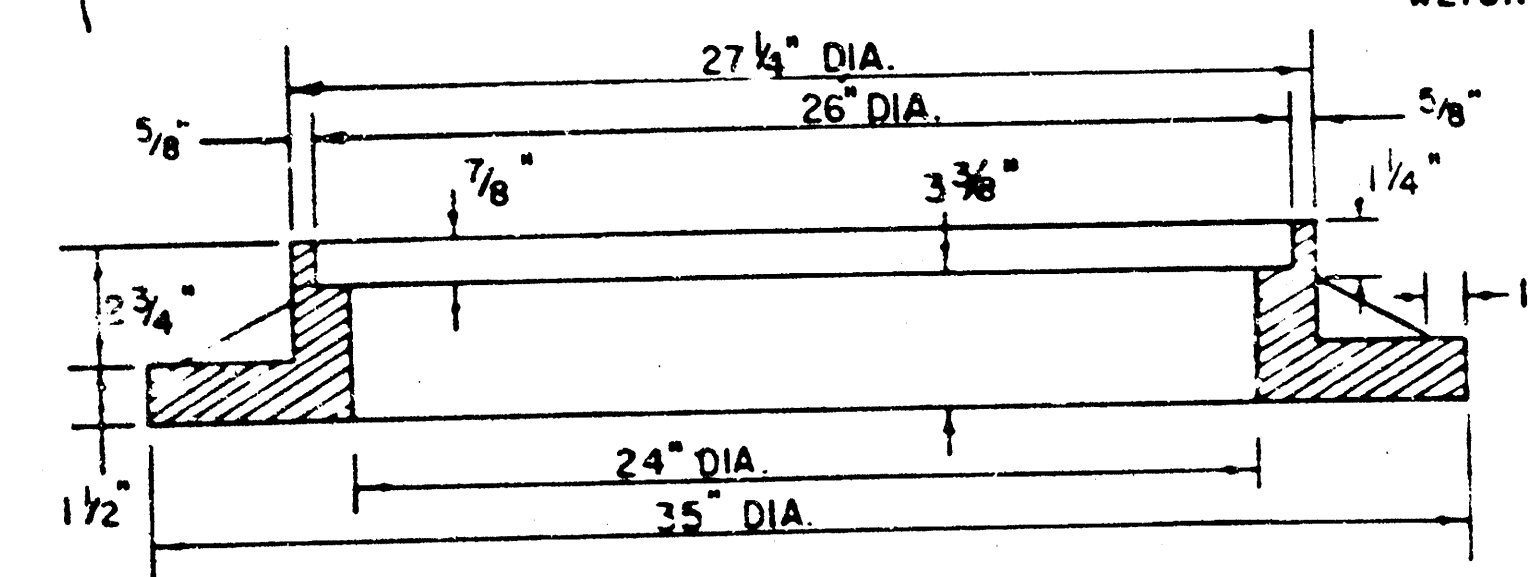
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

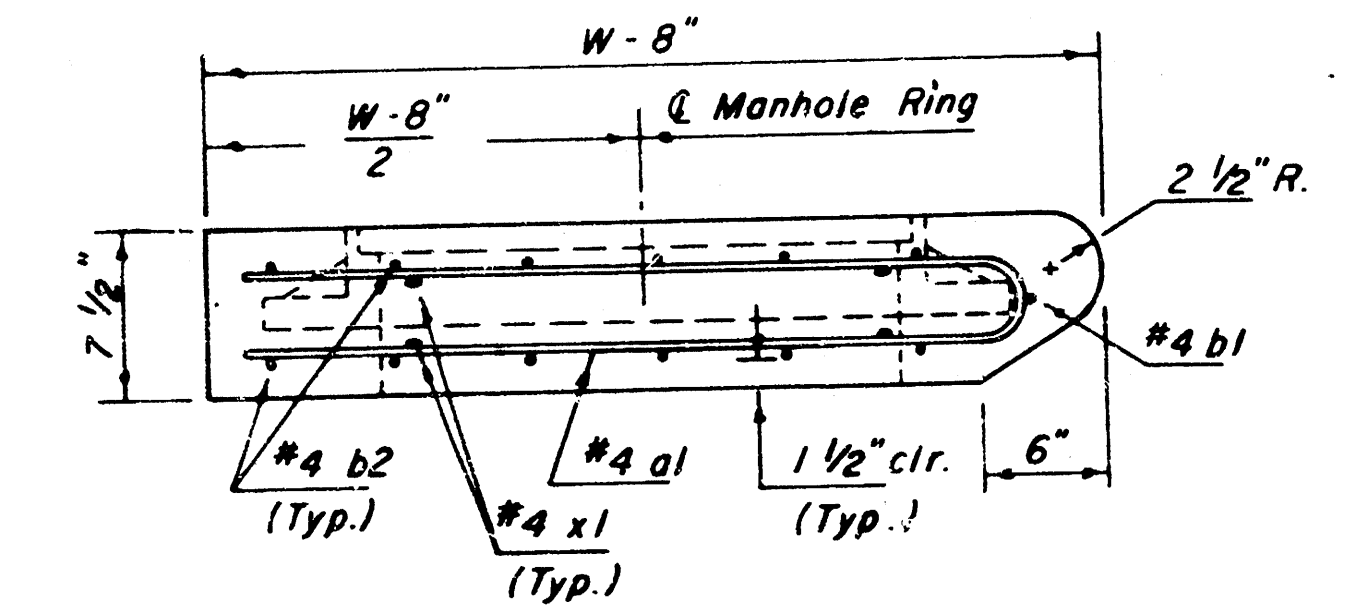


INLET FRAME

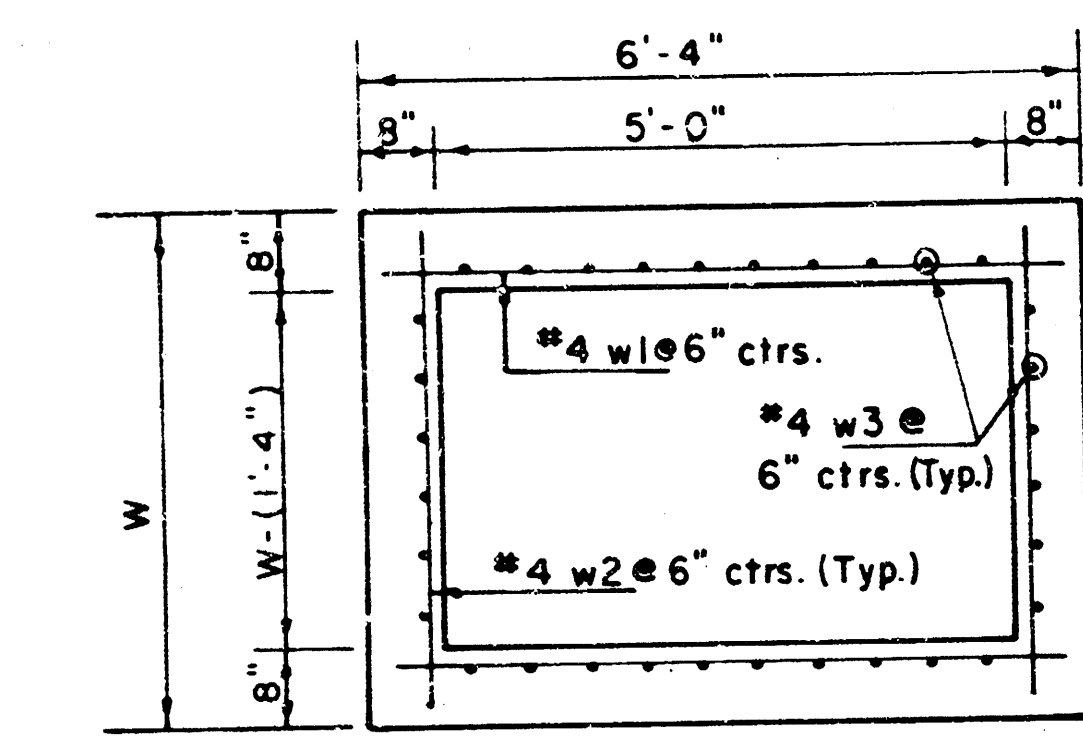
WEIGHT = 180 LBS.



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



SECTION C-C

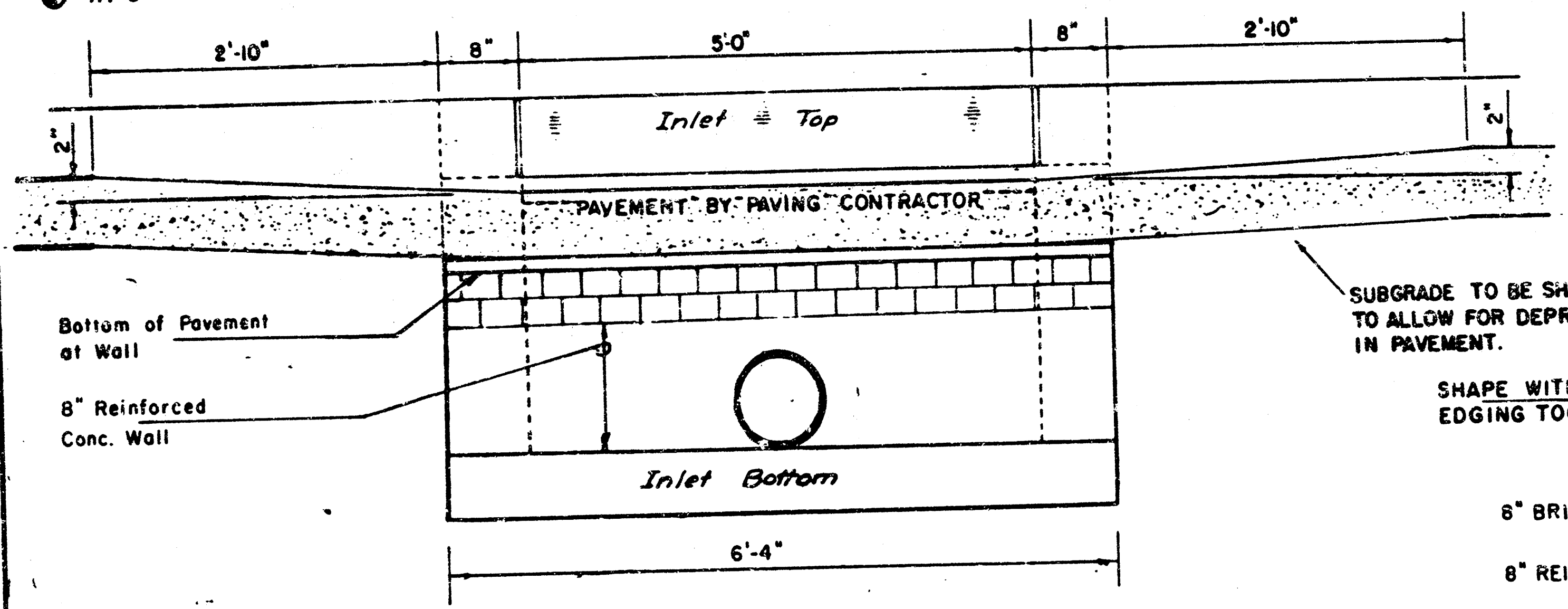


SECTION D-D

PRECAST SLAB AND FLOOR REINFORCING									
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
1a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"
1a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"
1a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"
1b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
1b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"
1c1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	5'-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"

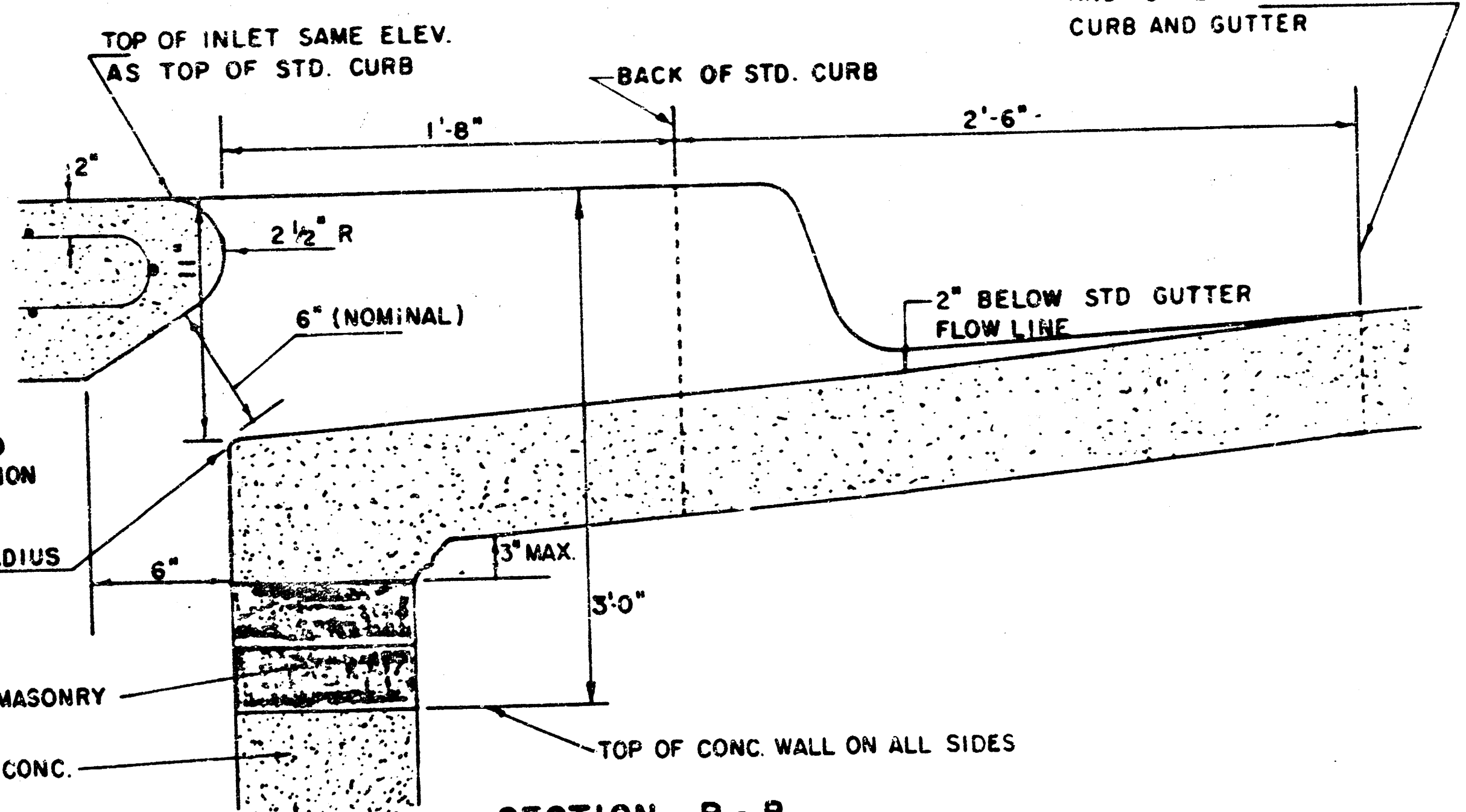


SECTION E-E

BENDING DIAGRAM

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	5' 8" x 6' 4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	6' 8" x 6' 4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	7' 8" x 6' 4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	8' 8" x 6' 4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	9' 8" x 6' 4" x 7 1/2"	60" & 66"	0.90 ±

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



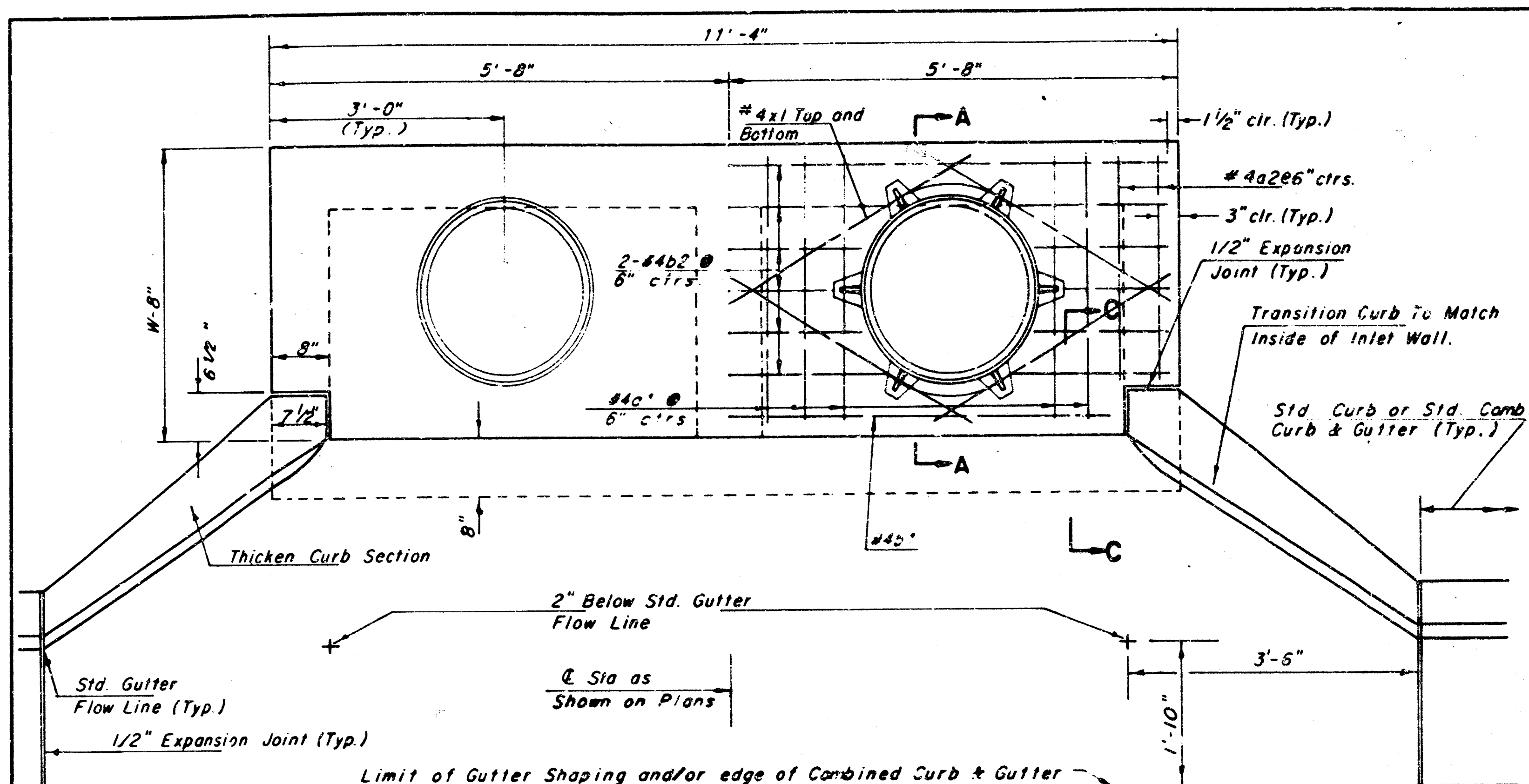
SECTION B-B

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

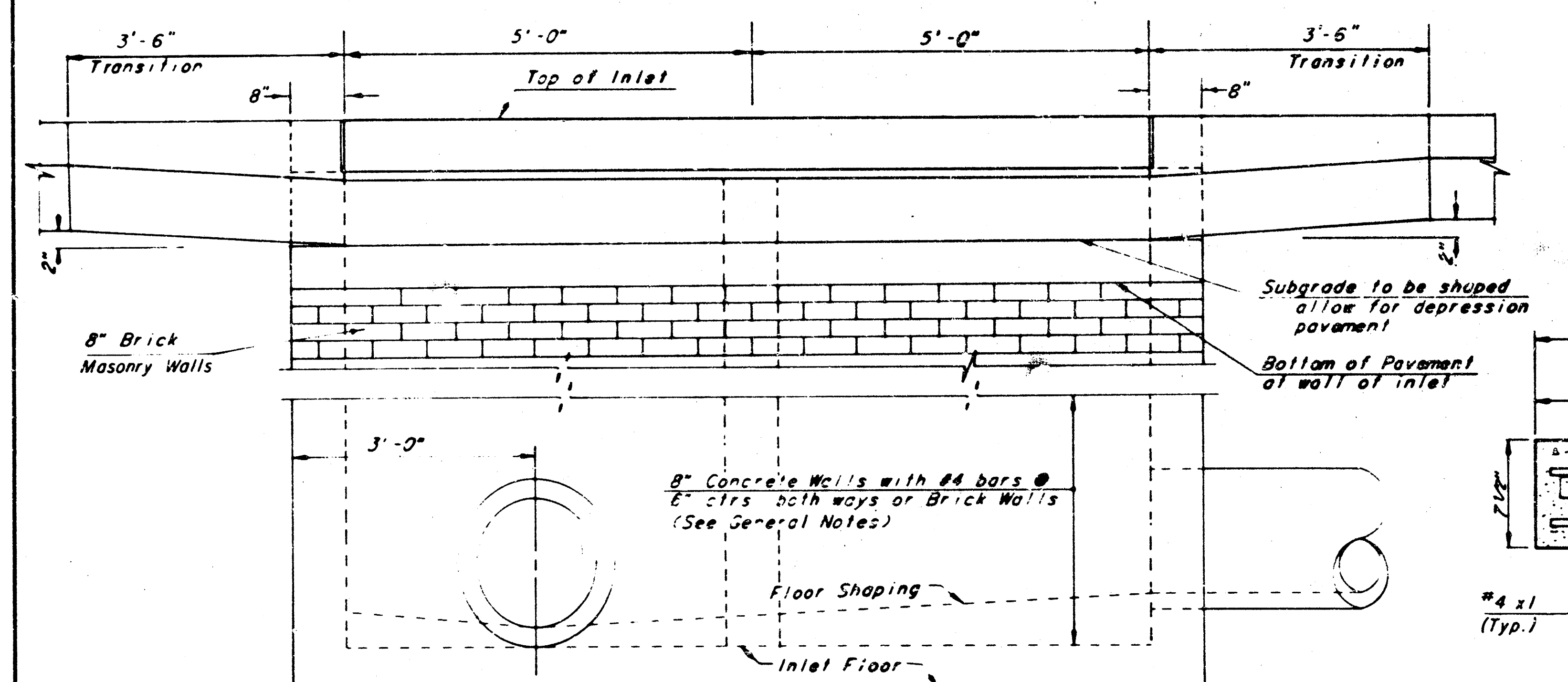
JUNE 1984

468-76-245-81816-000-000-001

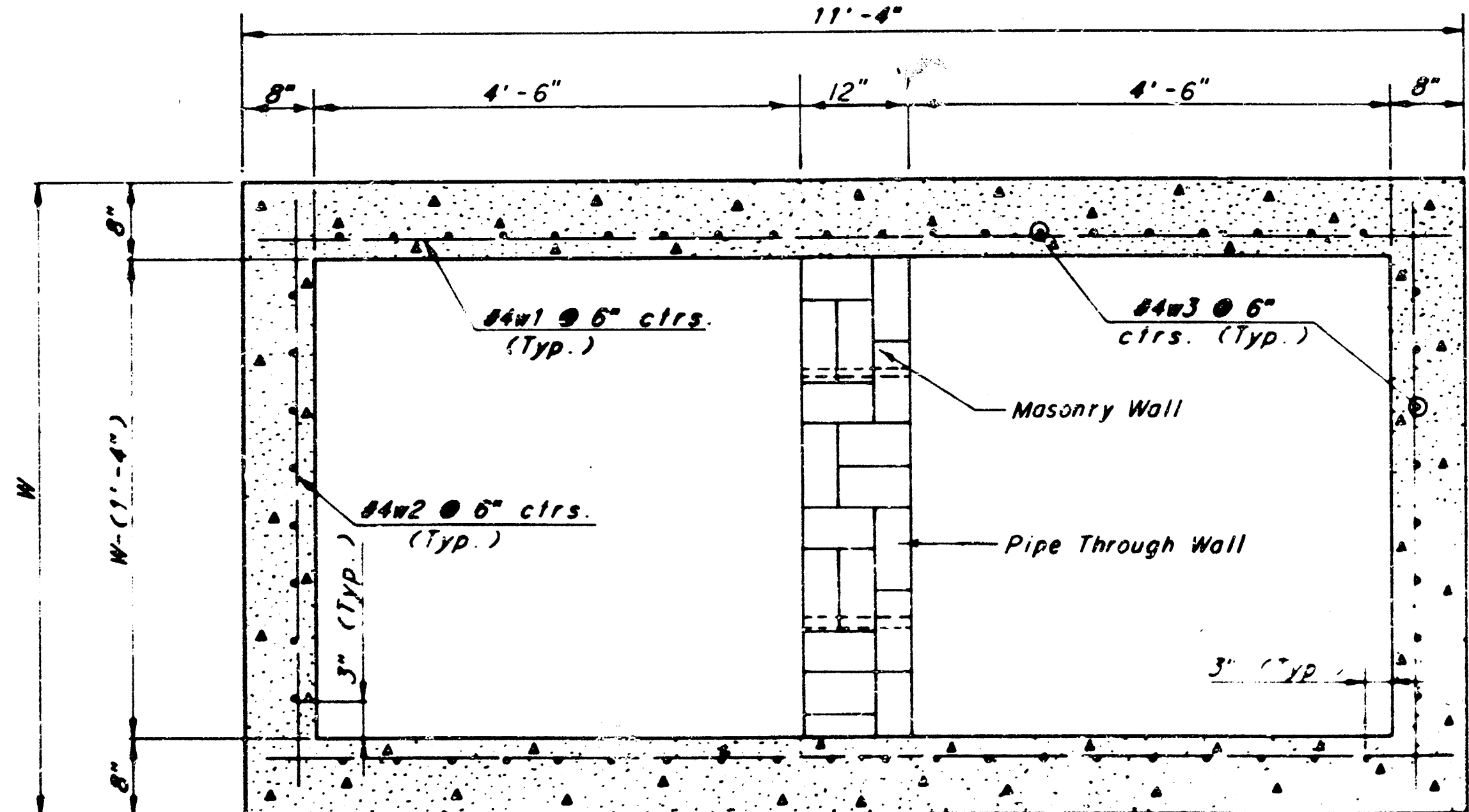
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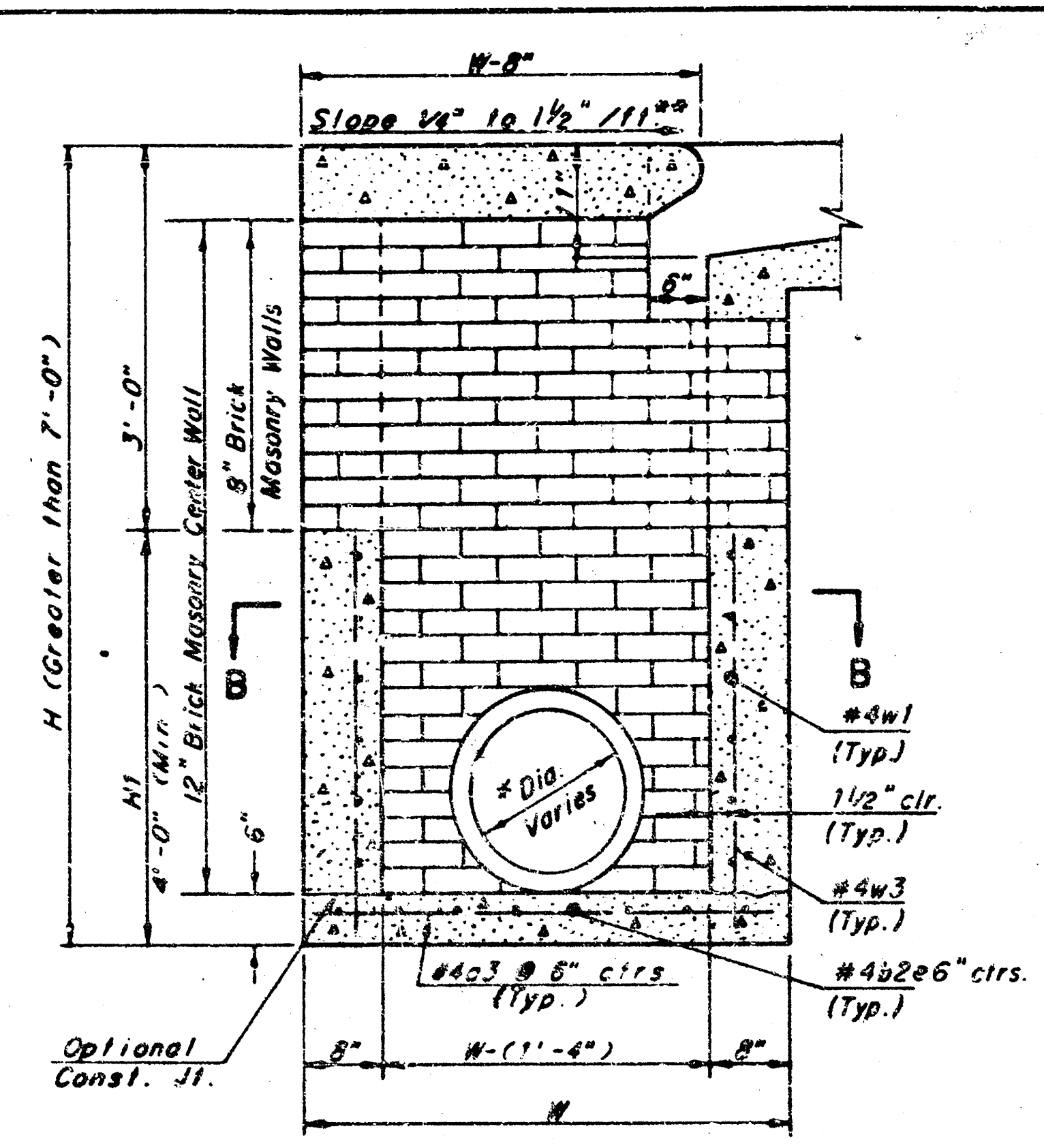
SLAB REINFORCING NOT SHOWN
SHOWING SLAB REINFORCING
NOTE: Expansion Joint only in Curb Area with Conc. Pavement.



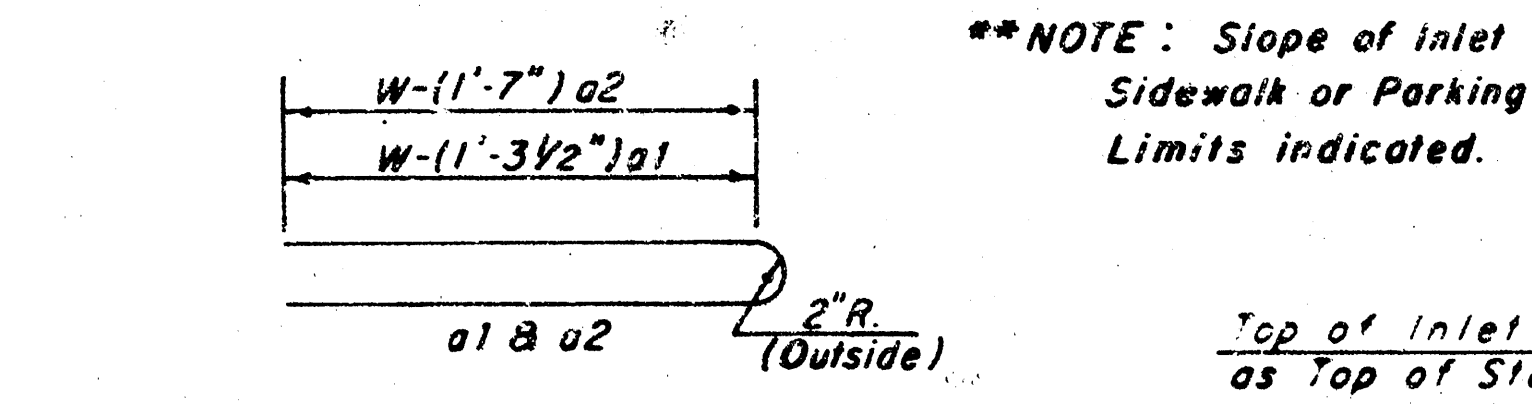
ELEVATION



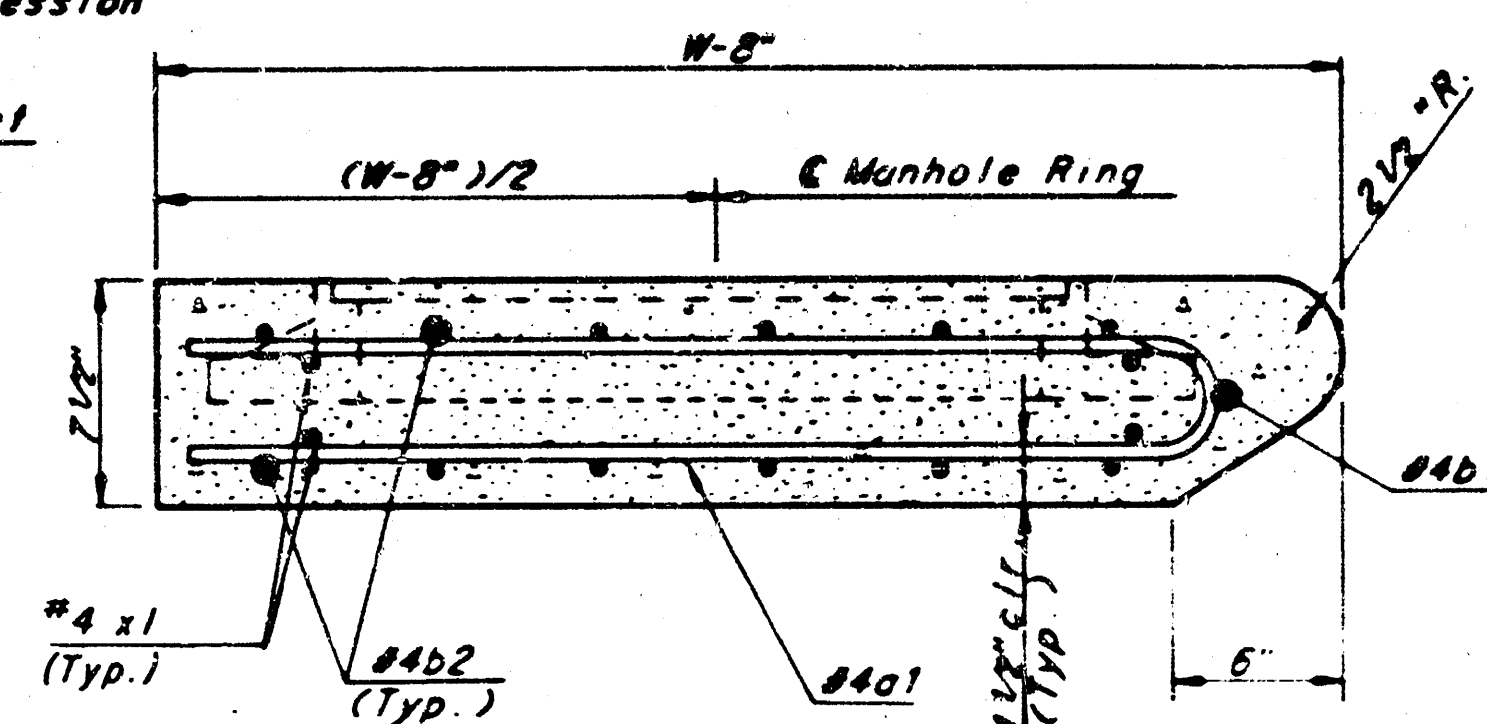
SECTION B-B



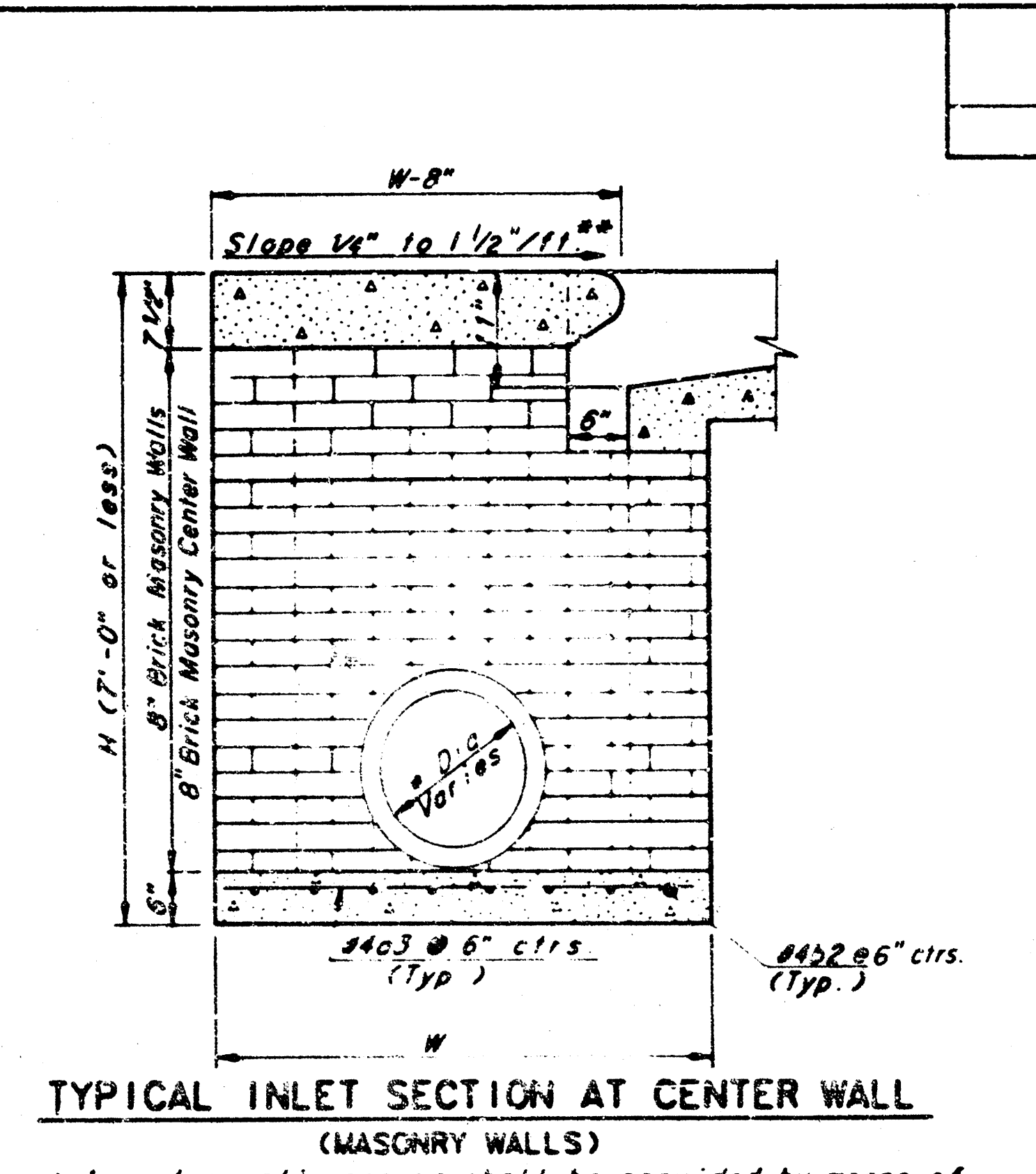
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)



BENDING DIAGRAM

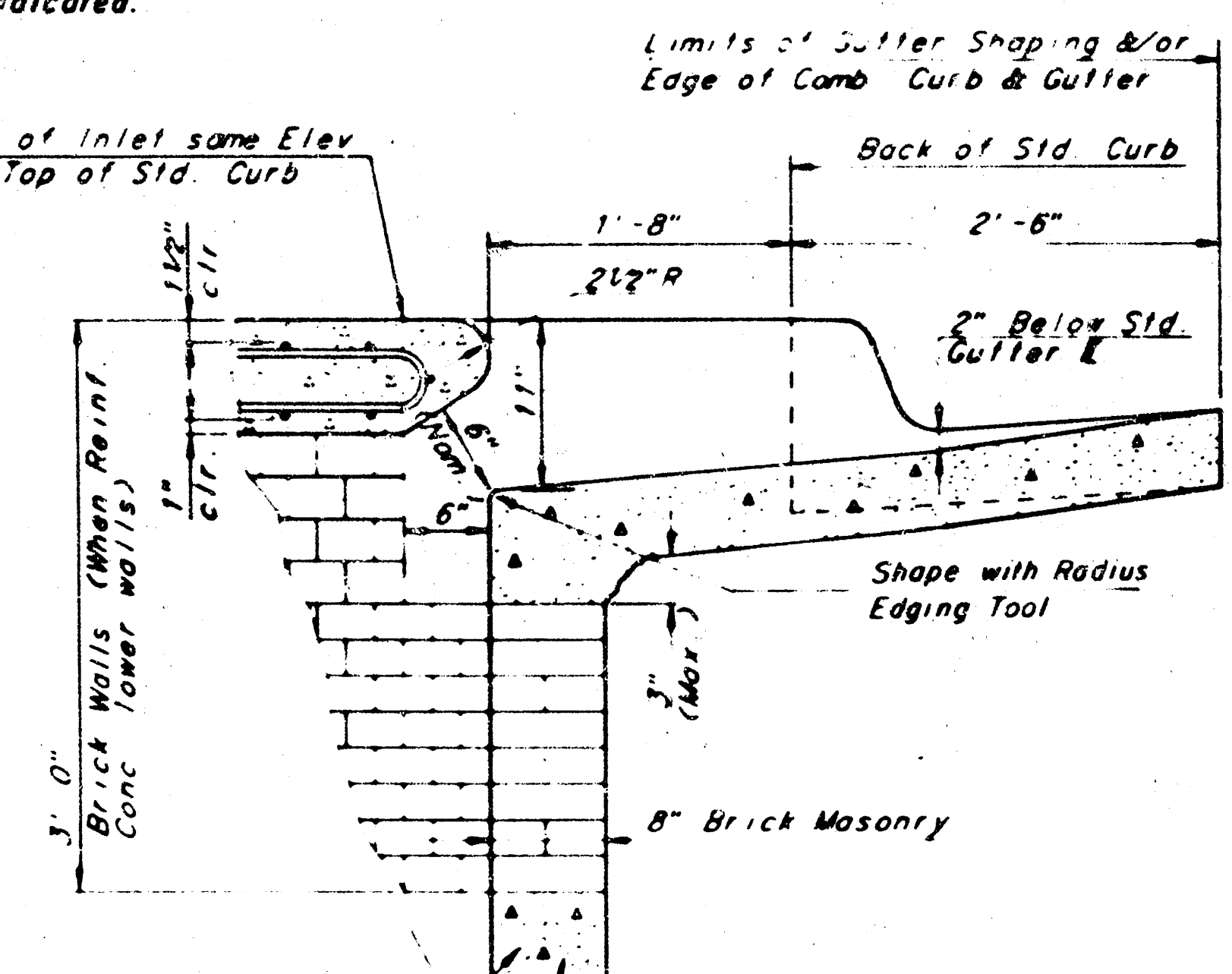


SECTION A-A



TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

* A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II below.

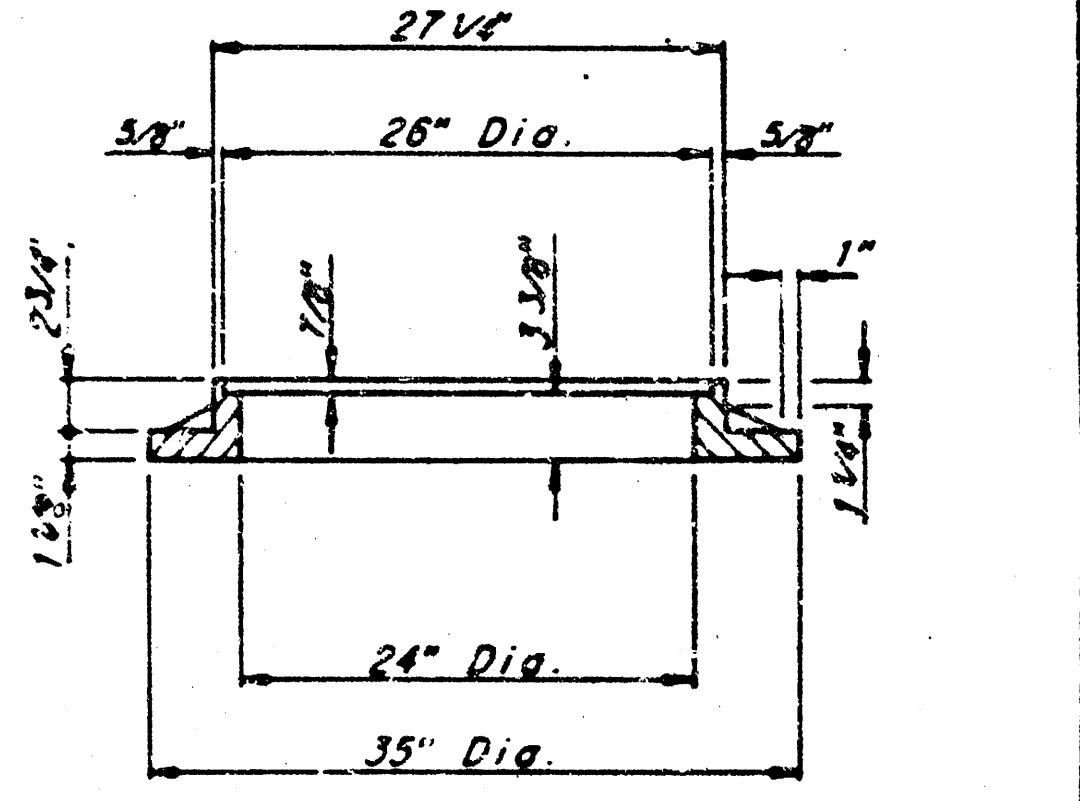
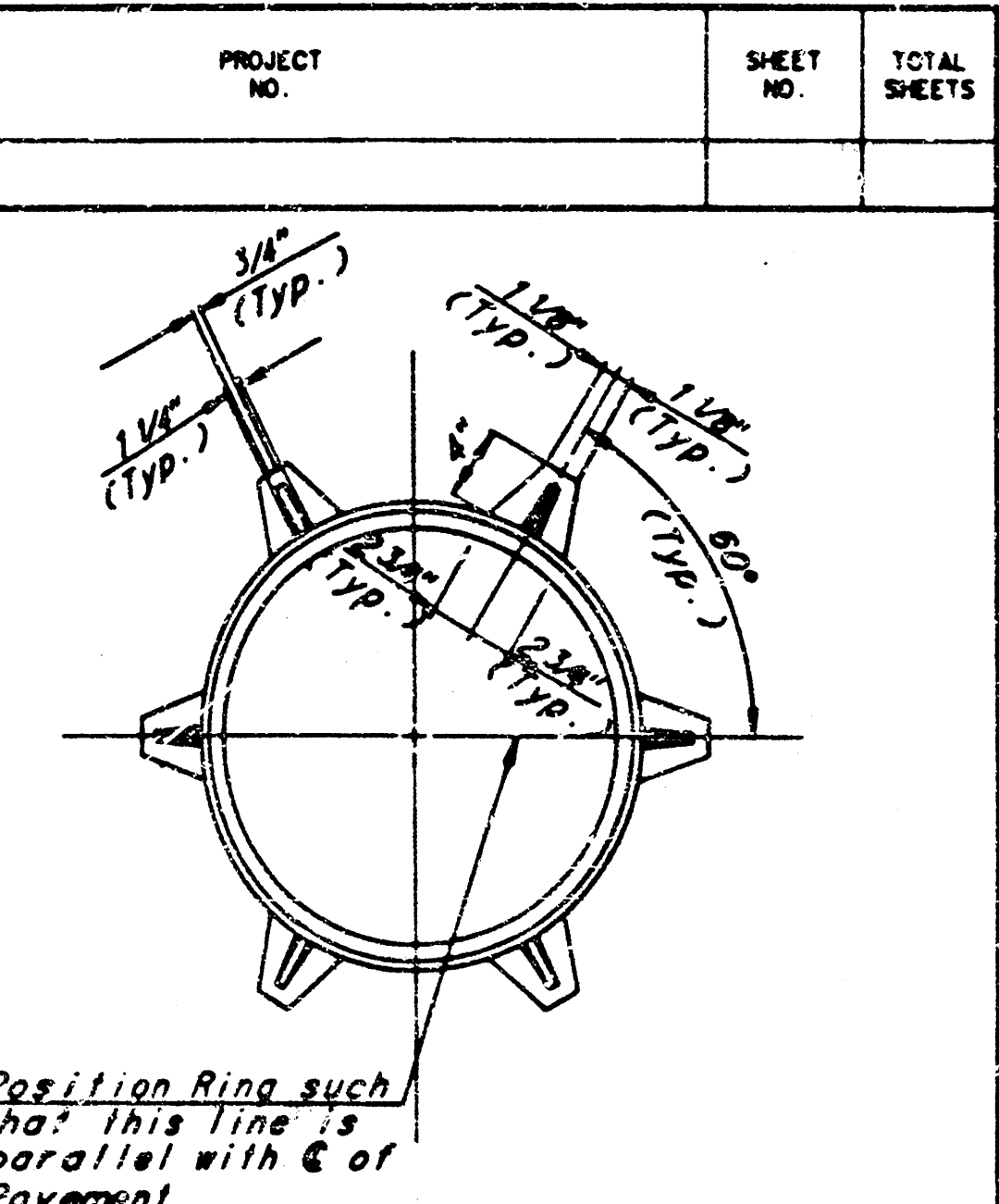


SECTION C-C

GENERAL NOTES

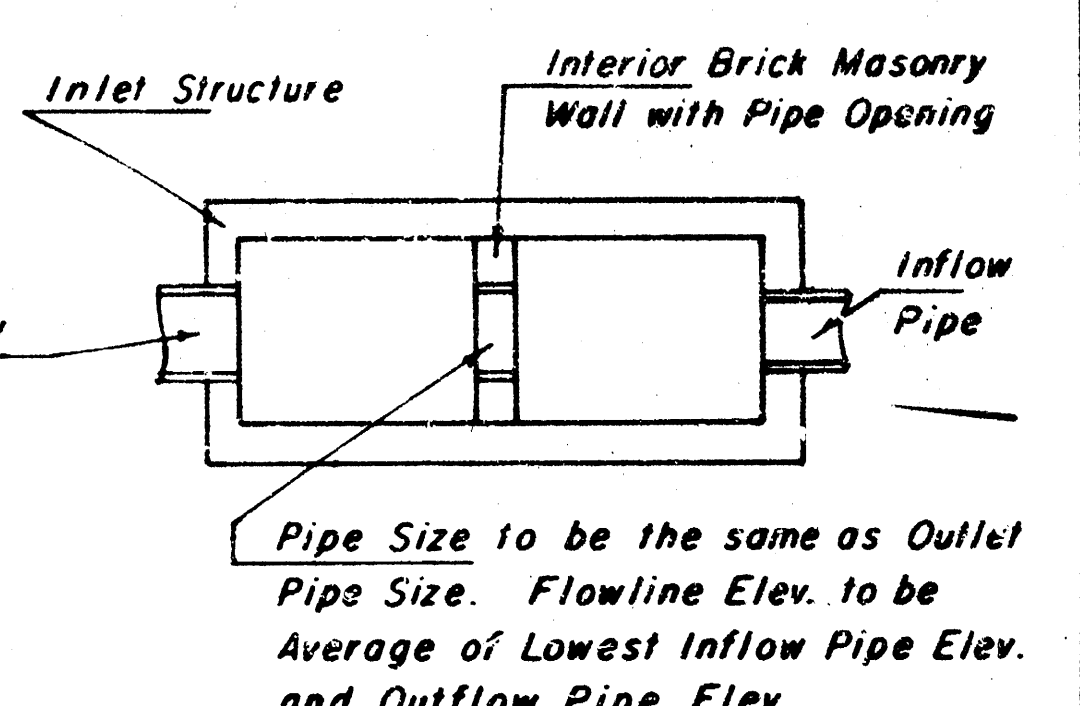
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0" THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION 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 5" 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.

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" & SMALLER	0.83 ±	
5'-4"	4'-8" x 11'-4" x 7 1/2"	24" & 30"	1.09 ±	
6'-4"	5'-8" x 11'-4" x 7 1/2"	36" & 42"	1.35 ±	
7'-4"	6'-8" x 11'-4" x 7 1/2"	48" & 54"	1.61 ±	
8'-4"	7'-8" x 11'-4" x 7 1/2"	60" & 66"	1.87 ±	

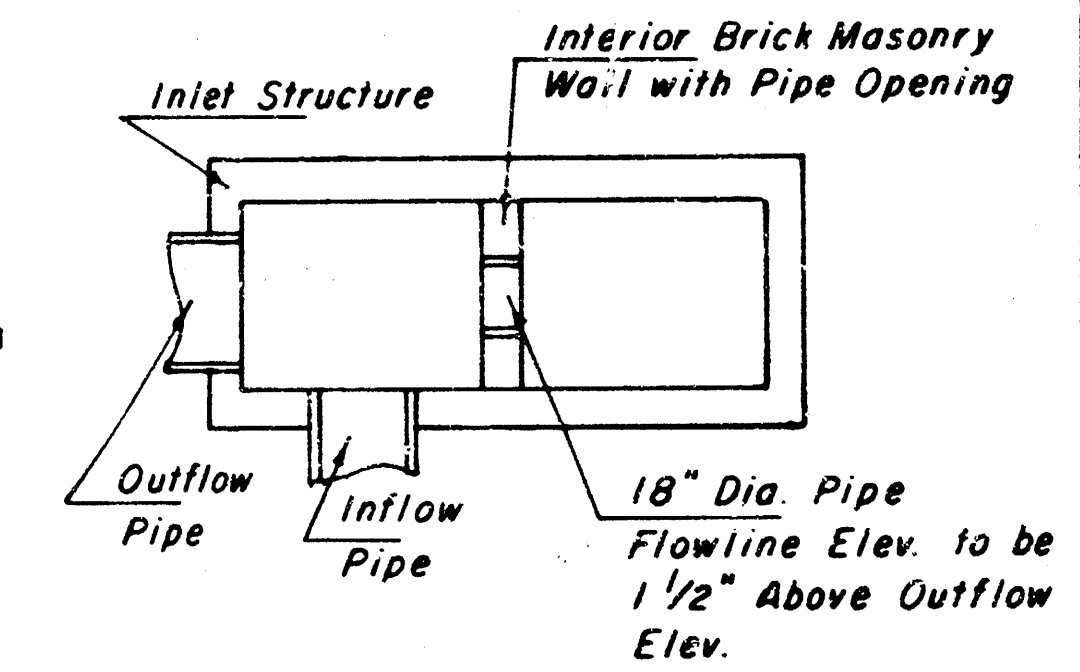


CAST IRON INLET RING

See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



CASE I



CASE II

NOTE: Center Wall Pipe Size shall be as Specified in Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.

STANDARD TYPE 1A CURB INLET

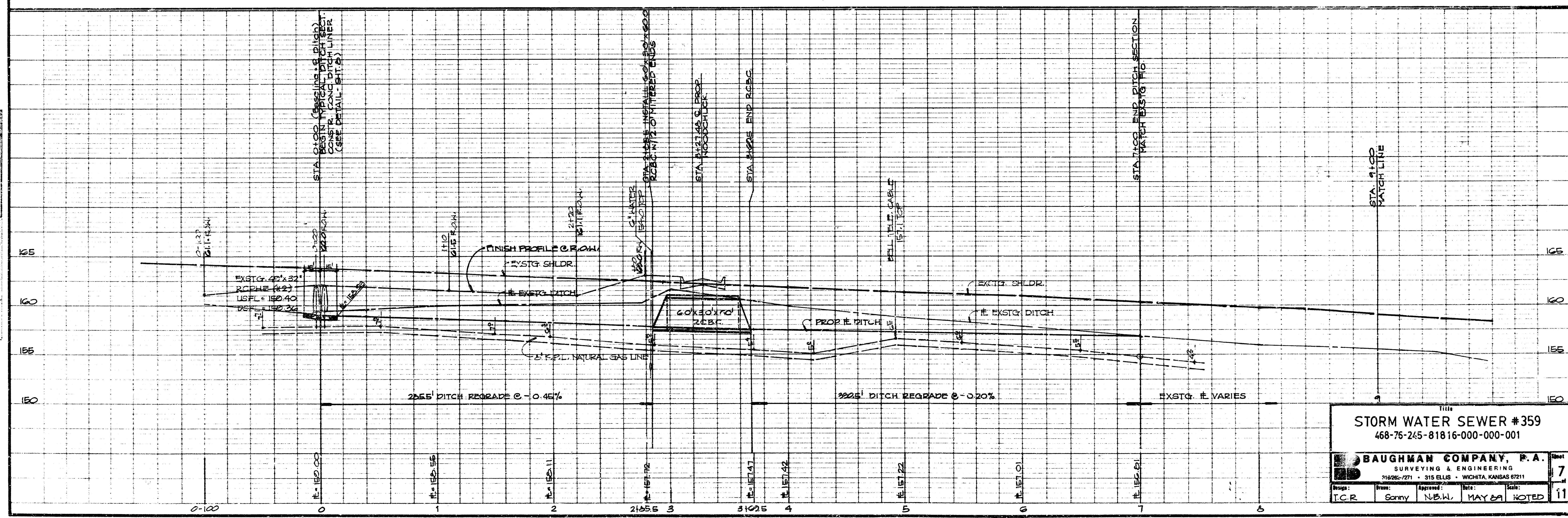
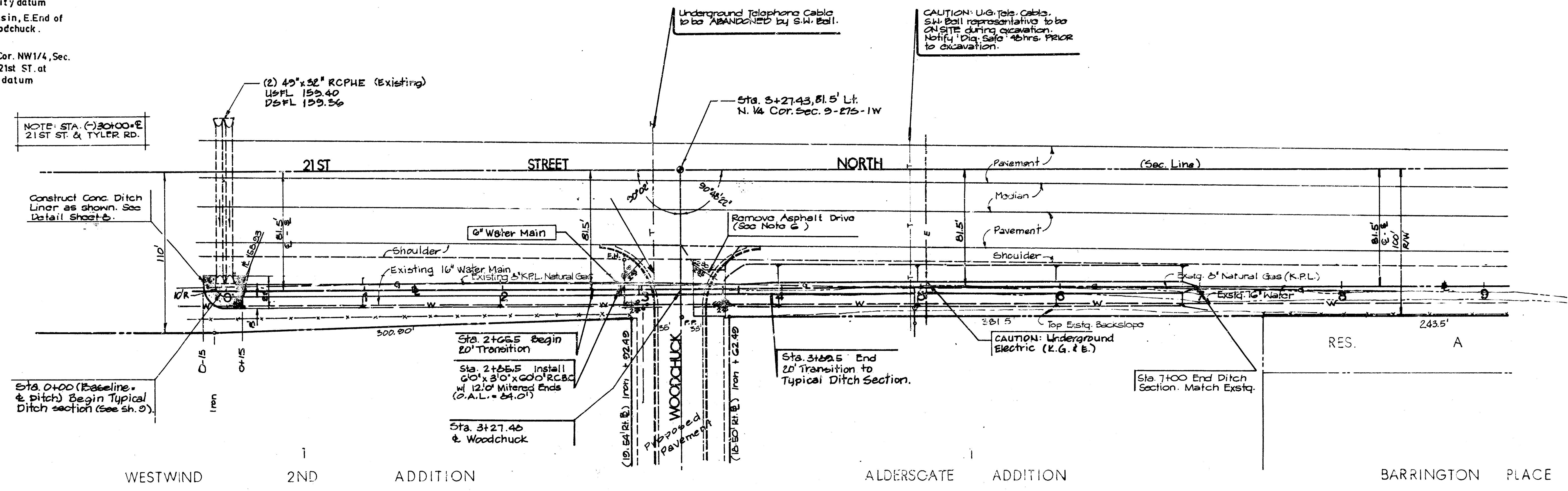
INLET OPENING = 8" x 10' - 0"

468-76-245-81816-000-000-001	6
WICHITA, KANSAS	11
Designed by: B.E.P., K.J.S., M.H.D.	Checked by: M.H.D.
Drawn by: J.G.P.	Date: Nov. 1984

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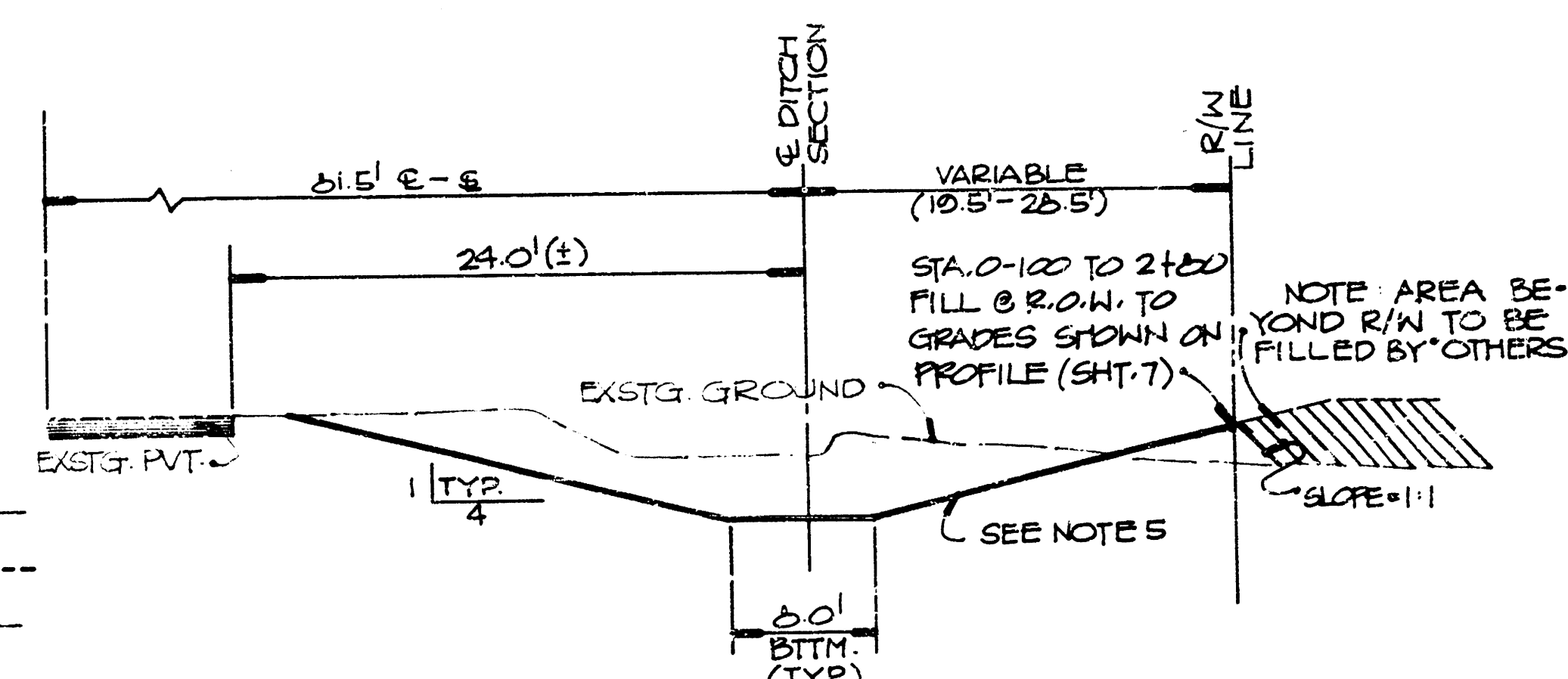
BENCHMARKS

1. R.R. Spike in lone tree (NE-ly side) 193 ft. S. 47 ft. W. NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
2. "d" Cut SW. Cor. of catch basin, E. End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW 1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st St. at Woodchuck.) Elev. = 162.70 City datum

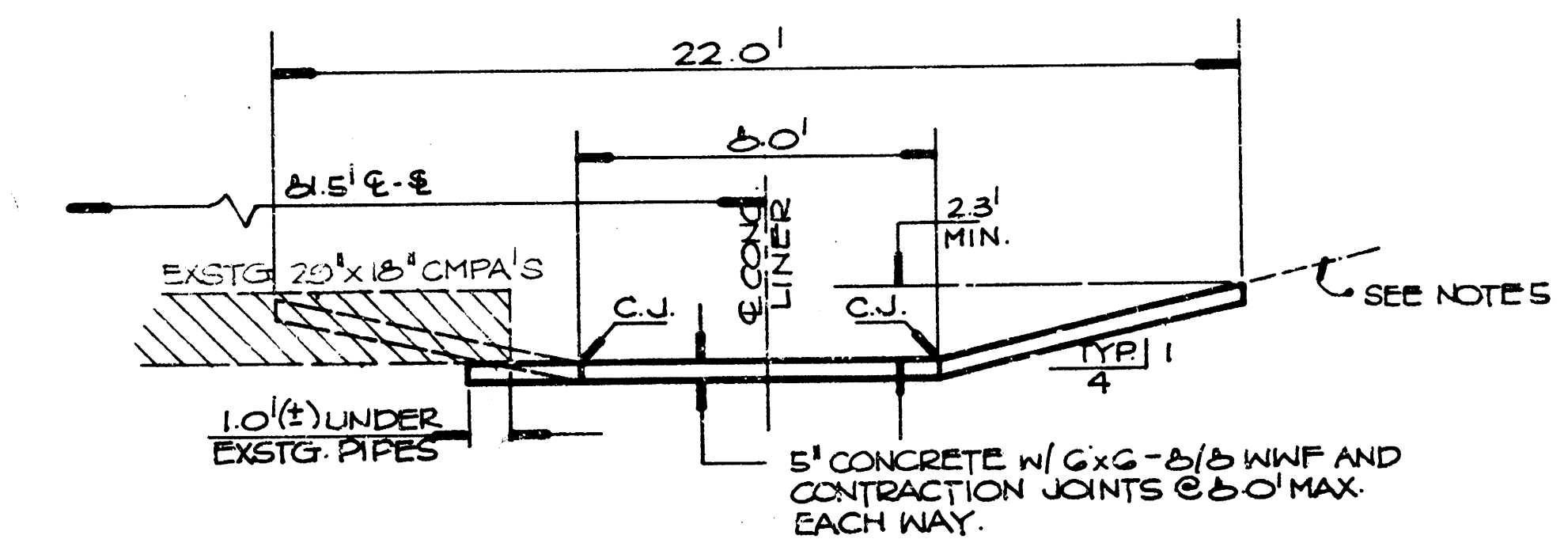


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468-76-245-81816-000-001			
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310265-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
Design:	Drawn:	Approved:	Date:
TCR	Sonny	N.B.W.	MAY 69
NOTED			11

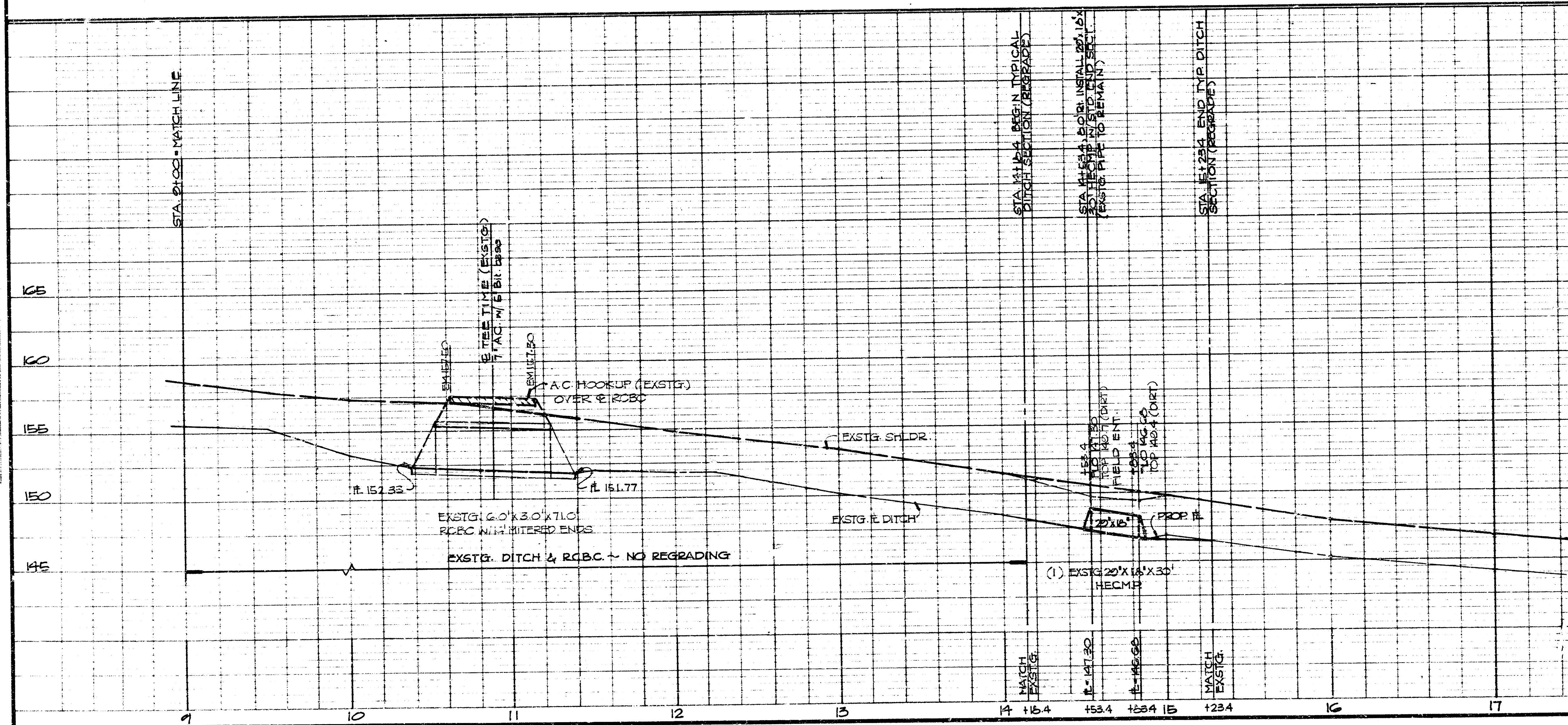
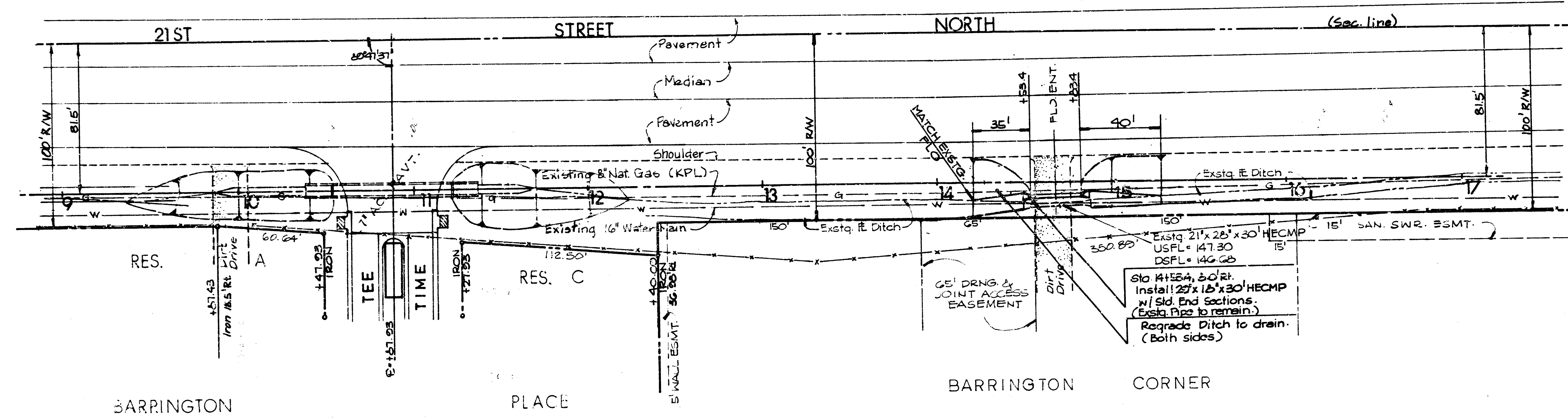
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TYPICAL DITCH SECTION
• NO SCALE •



SECTION CONCRETE DITCH LINER
• NO SCALE •



STORM WATER SEWER #359 468-76-245-81816-000-000-001	
BAUGHMAN COMPANY, P.A. SURVEYING & ENGINEERING 310262-7271 • 315 ELLIS • WICHITA, KANSAS 67211	
Design: TCR Drawn: Emmy Approved: N.B.N. Date: MAY 21	Scale: NOTED Sheet: 8 of 11

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