

STREET IMPROVEMENTS FOR

WATERMAN STREET

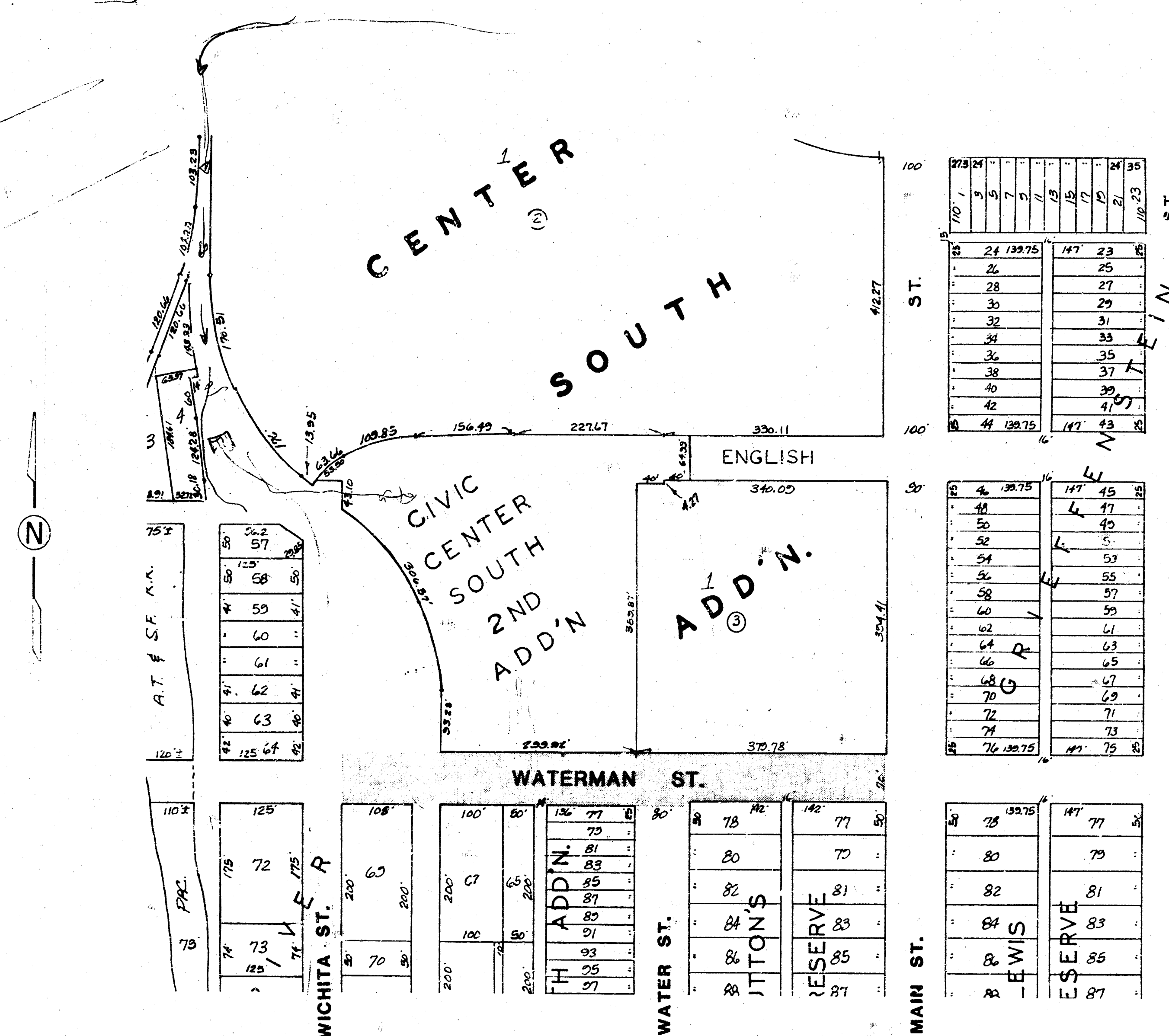
E. L. WICHITA STREET TO W.L. MAIN STREET

PROJECT NO.
472-76-245-81483-000-000-001

INDEX

Sheet No.	
1.	TITLE SHEET
2.	48' F.P. PAVEMENT DETAIL SHEET
3.	55' F.P. PAVEMENT DETAIL SHEET
4.	WATERMAN PAVEMENT PLAN SHEET
5.	WATERMAN PAVEMENT PLAN SHEET
6.	STORM SEWER PLAN SHEET
7.	STANDARD MANHOLE DETAIL SHEET
8.	SPECIAL TYPE 1A INLET DETAIL SHEET
9.	STANDARD TYPE 1A INLET DETAIL SHEET
10.	EARTHWORK SECTIONS SHEET
11.	EARTHWORK SECTIONS SHEET
7a.	SHALLOW MANHOLE DETAIL SHEET

NOTE: CONTRACTOR WILL NOT BE REQUIRED TO CARRY INTERURBAN TRAFFIC THROUGH CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO CARRY LOCAL BUSINESS TRAFFIC GENERATED WITHIN PROJECT LIMITS THROUGH CONSTRUCTION WHEN POSSIBLE. CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS SEQUENCING FOR HANDLING SUCH LOCAL TRAFFIC WITH THE OWNERS OF THE INVOLVED BUSINESSES OR THEIR AUTHORIZED REPRESENTATIVE. CONTRACTOR WILL BE REQUIRED TO SPECIFICALLY PROVIDE ONE WEEK PRIOR NOTICE TO SUCH OWNERS IN ADVANCE OF ANY WORK WHICH WOULD IMPAIR THE NORMAL DAILY OPERATIONS OF SUCH BUSINESSES.



LOCATION MAP

NOTES

Ties are taken for the thimbles and the Engineer shall contact Baughman Company at the time the thimbles need to be reset in the new pavement construction.

The contractor shall co-ordinate the construction of Waterman St. with the parking lot improvement project for the Exhibition Center. Project No. 472-76-245-81501-000-000 001.

The City of Wichita is to relocate the fire hydrants, traffic lights, and the parking meters. The City is also to adjust or relocate the traffic manhole.

K.G.E. is to remove and relocate the existing light poles and power poles.

The contractor shall properly sign and barricade the construction areas to traffic thru out the project.

The contractor shall contact the owners of the radiator repair shop and the body shop prior to closing their drives or the street for construction.

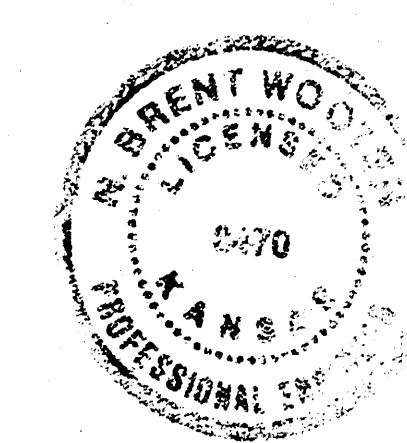
The Engineer shall contact Jerry Blaine 288-4210 for sewer televising purposes of the existing sewer lines before and after construction is completed.

The contractor is to use caution in removing the trees to prevent damage to the utility lines in the vicinity of the trees.

The contractor is to contact the utility companies for field locations of all underground lines.

Saw joints are to be used at removal limits where an existing joint does not exist.

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



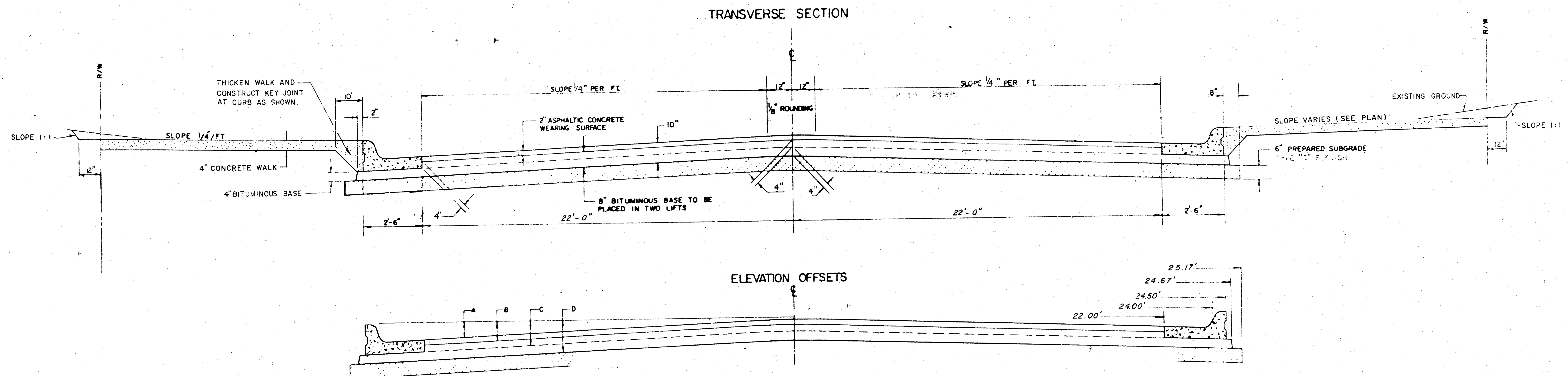
SEPTEMBER 1985

BAUGHMAN COMPANY, P.A.
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316 262-7271 • 330 LAURA • WICHITA, KANSAS 67211

1/2 1/11

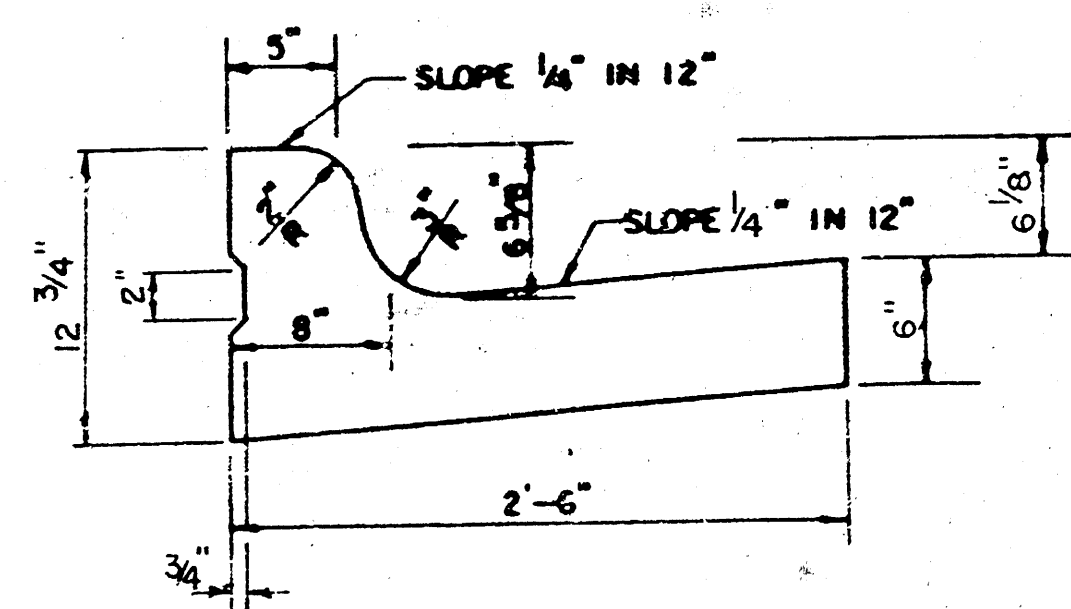
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TYPICAL 49' PAVEMENT DETAILS



	DISTANCE FROM CENTERLINE (LT. & RT.)															
	0	2	4	6	8	10	12	14	16	18	20	22	24	24.5	24.67	25.17
A. TOP OF CURBS TO TOP OF SURFACE LIFT	0.05	0.09	0.13	0.18	0.22	0.26	0.30	0.34	0.39	0.43	0.47	0.51	—	—	—	—
B. TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.23	0.26	0.31	0.35	0.39	0.43	0.47	0.51	0.56	0.61	0.64	0.68	—	—	—	—
C. TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.56	0.59	0.64	0.68	0.72	0.76	0.80	0.84	0.89	0.94	0.97	1.01	1.05	1.06	1.06	—
D. TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.92	0.97	1.01	1.05	1.09	1.13	1.17	1.22	1.27	1.30	1.34	1.38	1.39	1.39	1.40

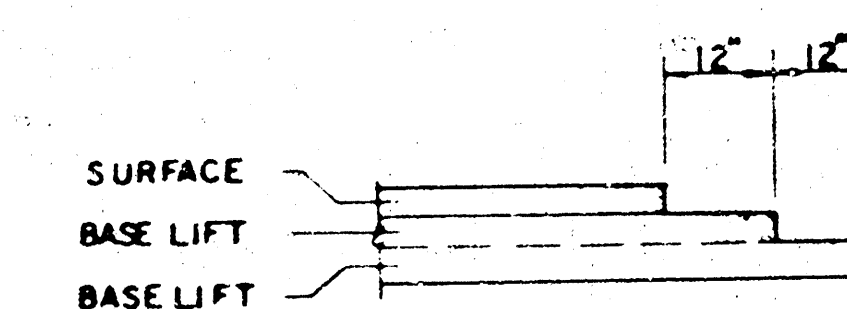
COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 4" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 10" ASPHALTIC CONCRETE (8" BITUMINOUS BASE).

WATERMAN STREET

E. L. WICHITA TO W. L. MAIN ST.

CITY OF WICHITA, KS.

PROJECT NO.

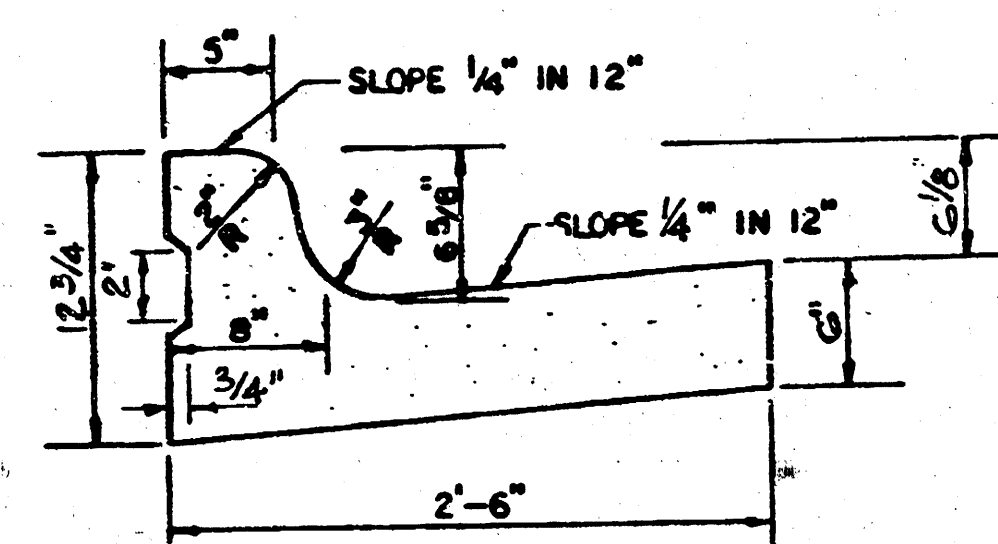
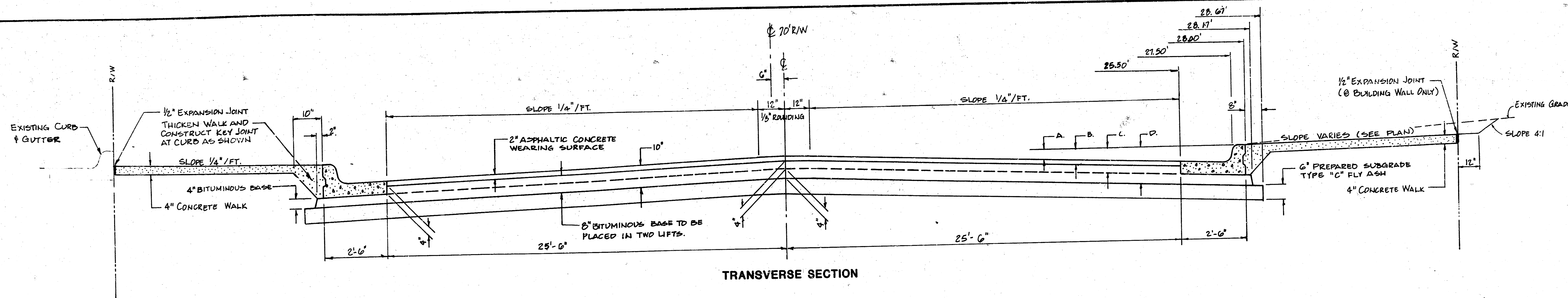
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2/11

48' A.C. PAVEMENT DETAIL

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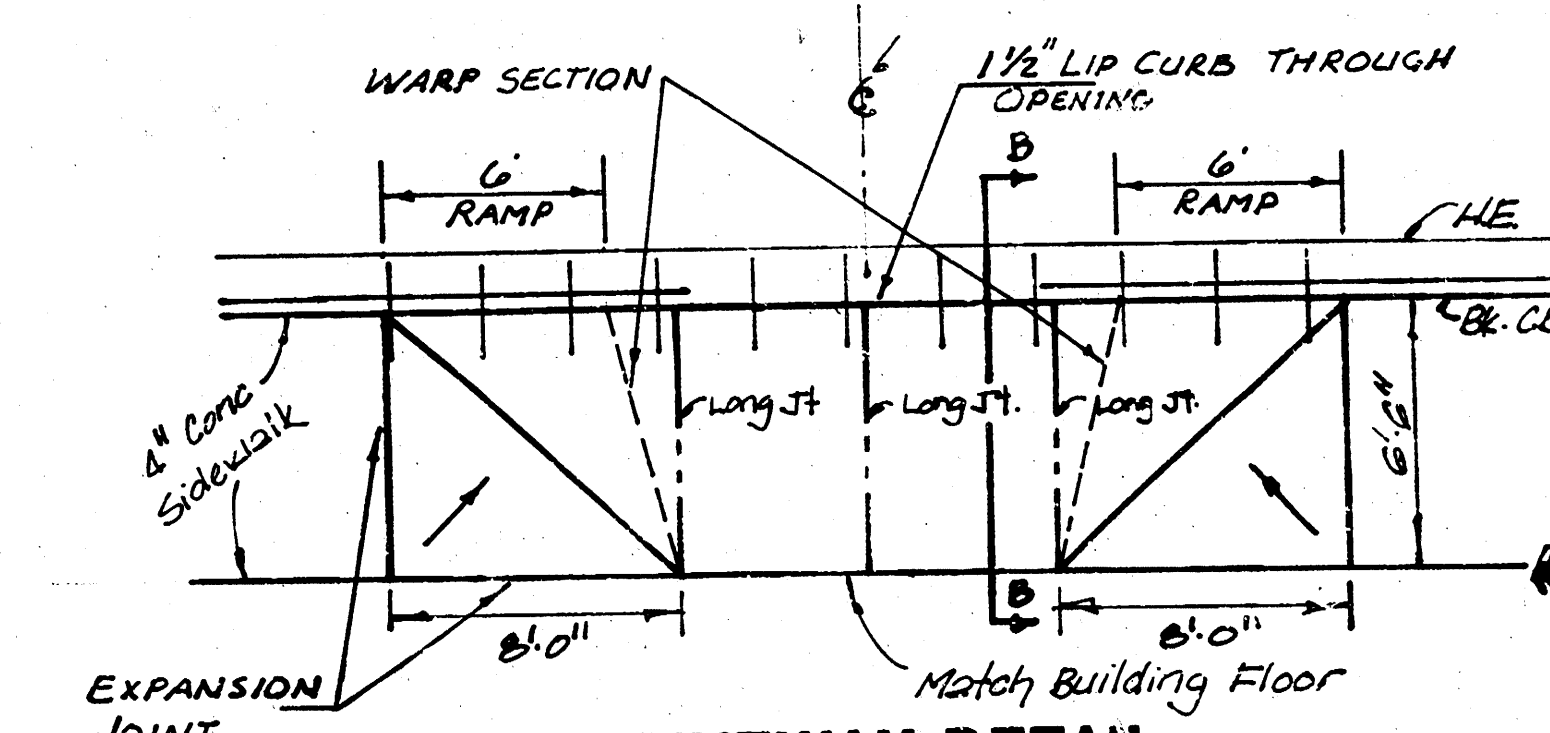
DETAIL
STANDARD COMBINED CURB & GUTTER

ELEVATION OFFSETS

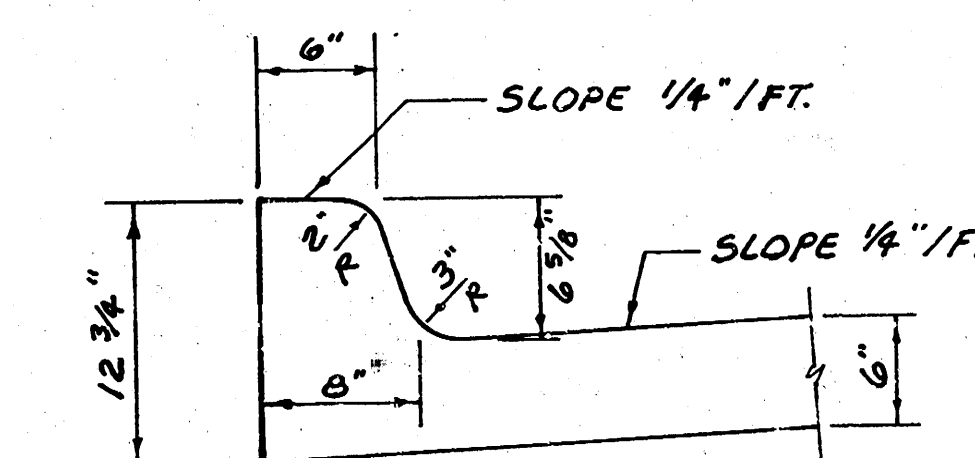
DISTANCE FROM C (LEFT & RIGHT)

	0	2	4	6	8	10	12	14	16	18	20	22	24	25.5	27.5	28.00	28.17	28.67
A. TOP OF CURBS TO TOP OF SURFACE LIFT	-0.01	0.01	0.06	0.11	0.15	0.19	0.23	0.27	0.31	0.36	0.40	0.44	0.48	0.51	—	—	—	—
B. TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.16	0.19	0.23	0.28	0.32	0.36	0.40	0.44	0.48	0.53	0.57	0.61	0.65	0.68	—	—	—	—
C. TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.49	0.52	0.56	0.61	0.65	0.69	0.73	0.77	0.81	0.86	0.90	0.94	0.98	1.01	1.05	1.06	1.06	—
D. TOP OF CURBS TO TOP OF SUBGRADE	0.82	0.85	0.89	0.94	0.98	1.02	1.06	1.10	1.14	1.19	1.23	1.27	1.31	1.34	1.38	1.39	1.39	1.40

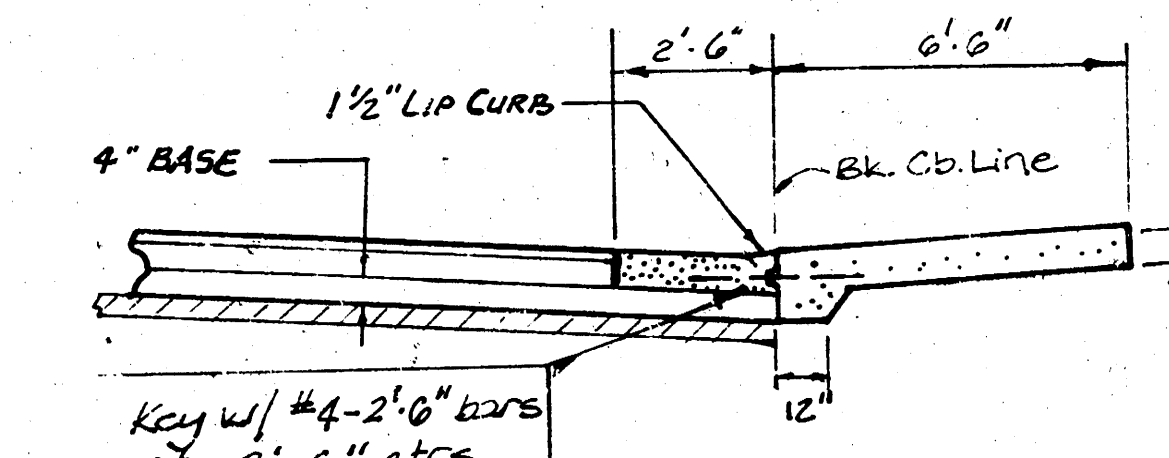
TYPICAL SECTION WATERMAN STREET
STA. 8+94.7 TO 10+00.20
(SEE GENERAL NOTES, SHEET 2)



DRIVEWAY DETAIL
STA. 8+83 AND 9+26.4

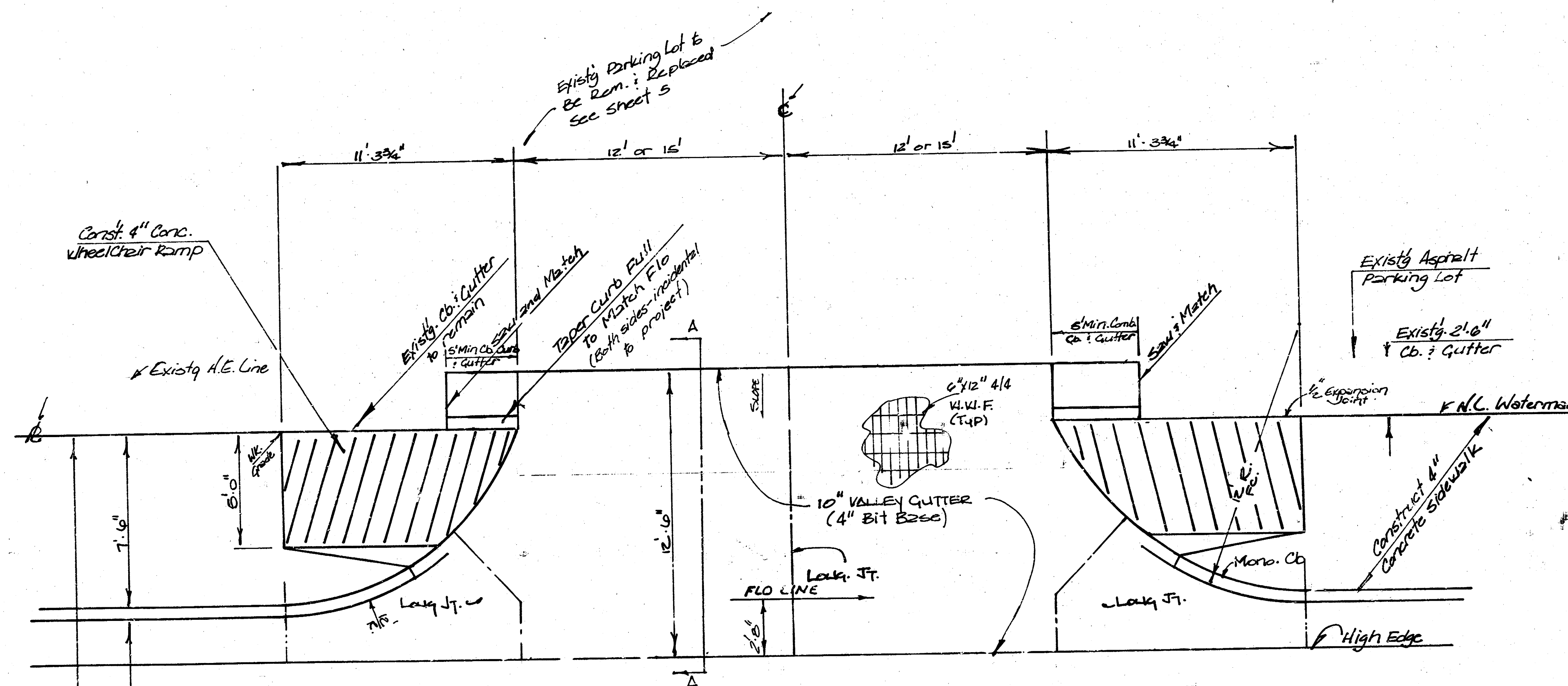


MONOLITHIC CURB DETAIL



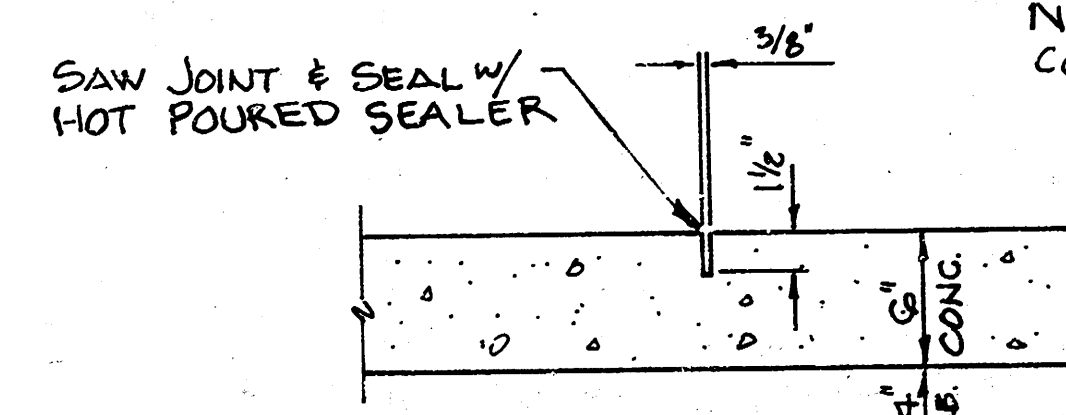
SECTION B-B

NOTE: ALL DRIVE JOINTS TO BE
FORMED KNIFE CUT 2" DEEP.
NO SAWED JOINTS ALLOWED.

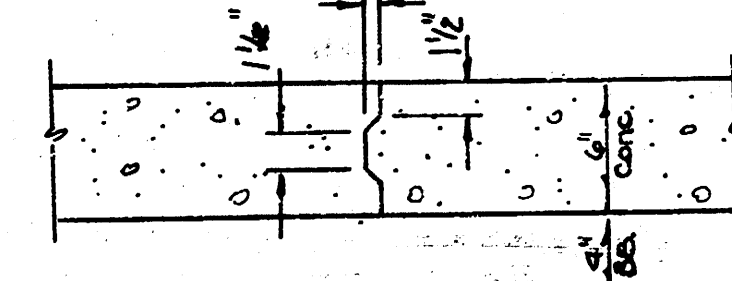


TYPICAL VALLEY GUTTER
w. WHEEL CHAIR RAMPS
STATIONS 5+98.9, 7+42.95, & 8+86.25

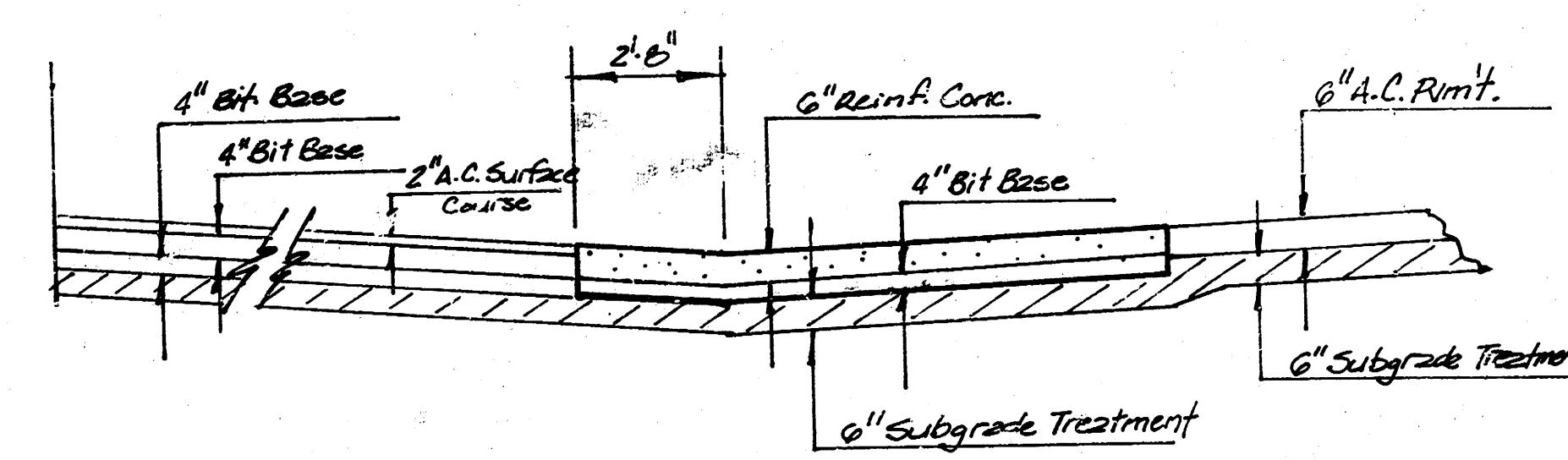
NOTE: HOT POURED CONC. JOINT SEAL MATERIAL SHALL
CONFORM TO ASTM D-3569 OR ASTM D-1190.



LONGITUDINAL JOINT



ALTERNATE
LONGITUDINAL JOINT



SECTION A-A

VALLEY GUTTER
w. WHEEL CHAIR RAMPS
STA. 5+23.47

WATERMAN STREET
E. L. WICHITA TO W. L. MAIN ST.
CITY OF WICHITA, KS.

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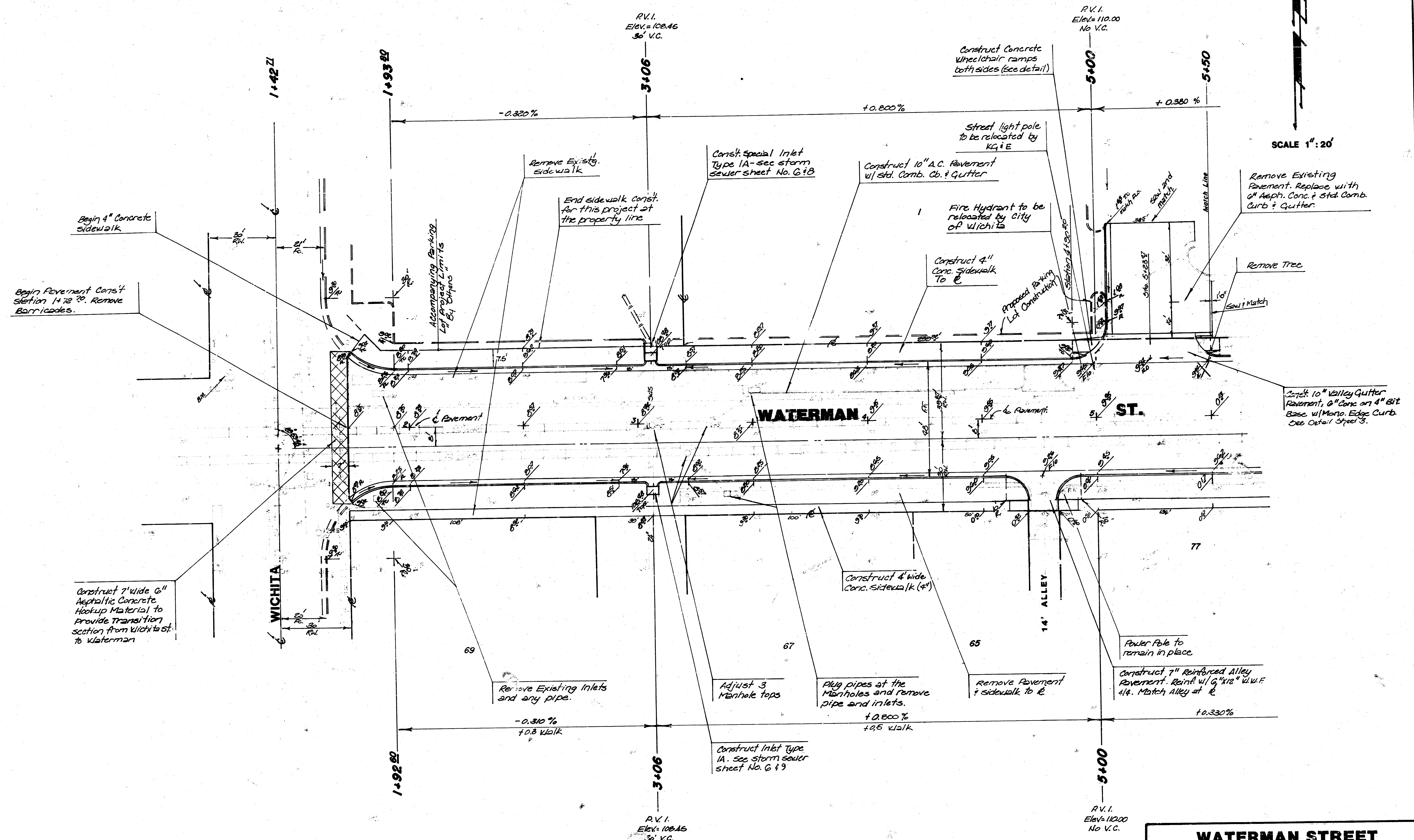
3/11

55' A.C. PAVEMENT DETAIL

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- BENCH MARKS
- B.M. 3/4" Iron pipe in thimble at West Side Water Street on Center-line Waterman. Elev. = 110.34
- B.M. Headbolt between "Mueller" and "Chattanooga" on fire hydrant at Northwest Corner Wichita and Waterman. Elev. = 111.56
- B.M. 3/4" Iron pipe in thimble at East Side Main Street on Center-line Waterman. Elev. = 110.64

NOTE: SIDEWALK ON NORTH SIDE WATERMAN BETWEEN STA 1+93.8 TO STA 5+00 IS NOT TO BE CONSTRUCTED UNTIL PARKING METERS HAVE BEEN INSTALLED BY OTHERS.



REFERENCE NOTATIONS

- Indicates Gas Line
- Indicates Water Line
- Indicates Storm Sewer Line
- Indicates Sanitary Sewer Line
- Indicates Electric U.G. Line
- Indicates Tree Removal
- Indicates Pavement, Walk, or Drive Removal.

WATERMAN STREET
E. L. WICHITA TO W. L. MAIN ST.
CITY OF WICHITA, KS.

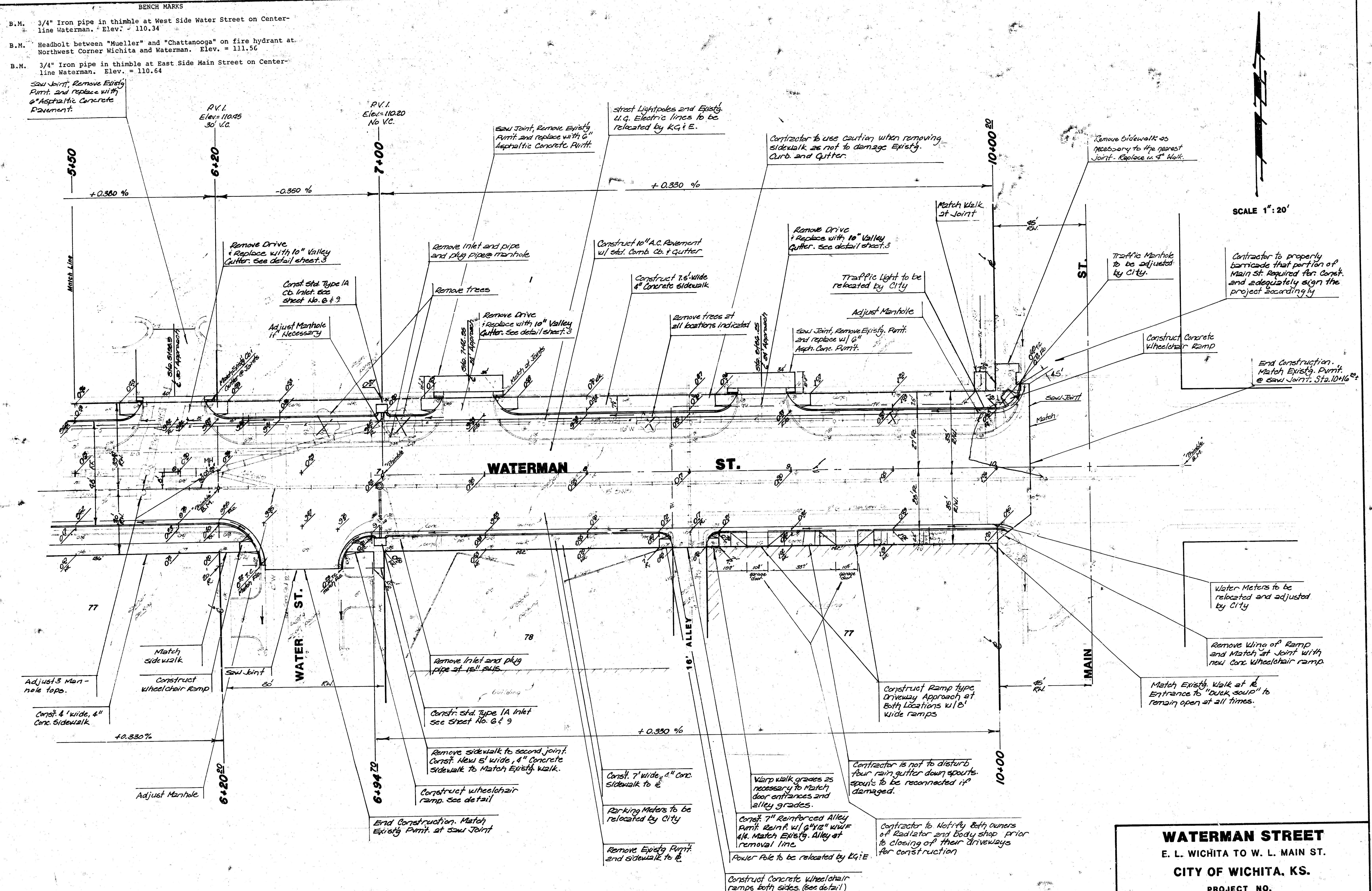
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4/11

PAVEMENT PLAN

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WATERMAN STREET
E. L. WICHITA TO W. L. MAIN ST.
CITY OF WICHITA, KS.

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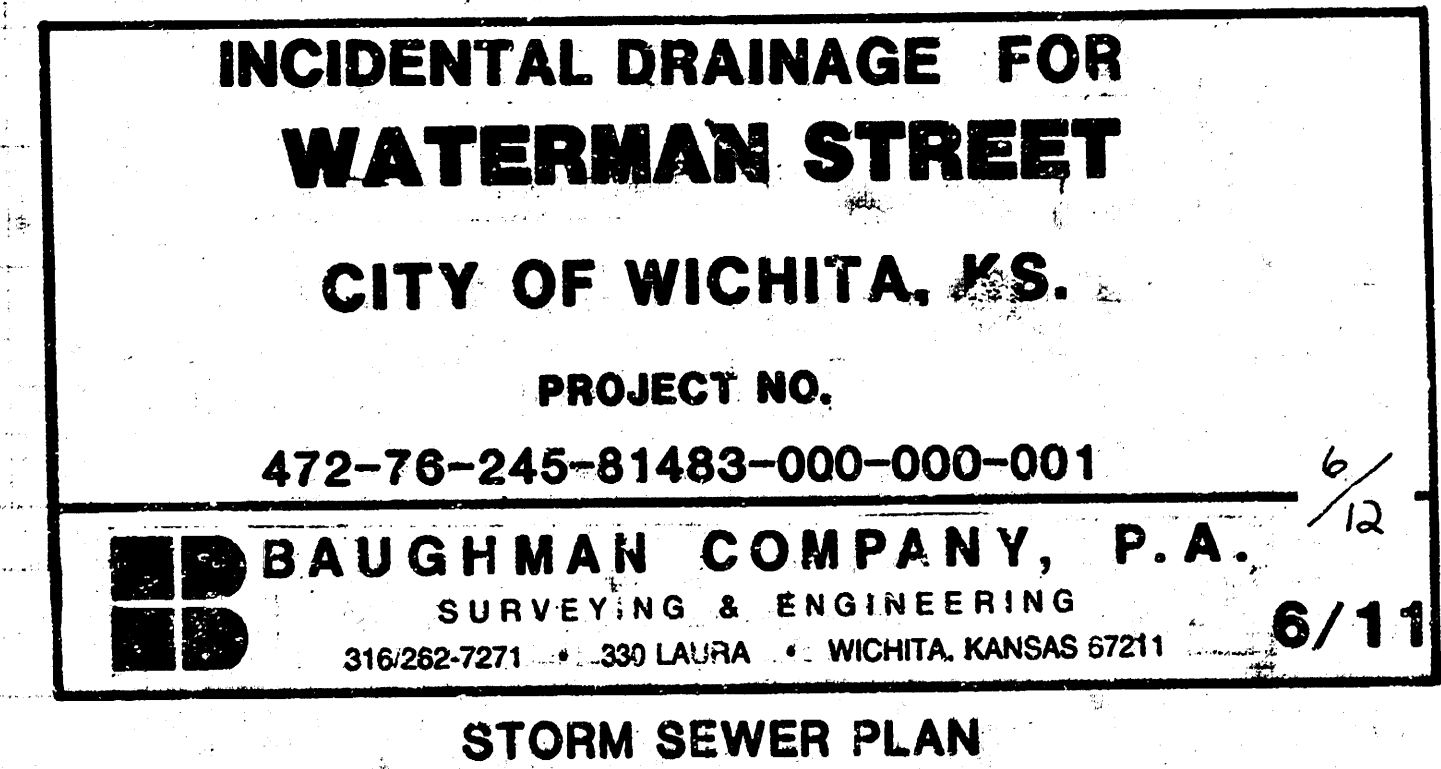
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5/12
5/11

PAYMENT PLAN

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SCALE 1" : 20' PLAN
1" : 5' PROFILE



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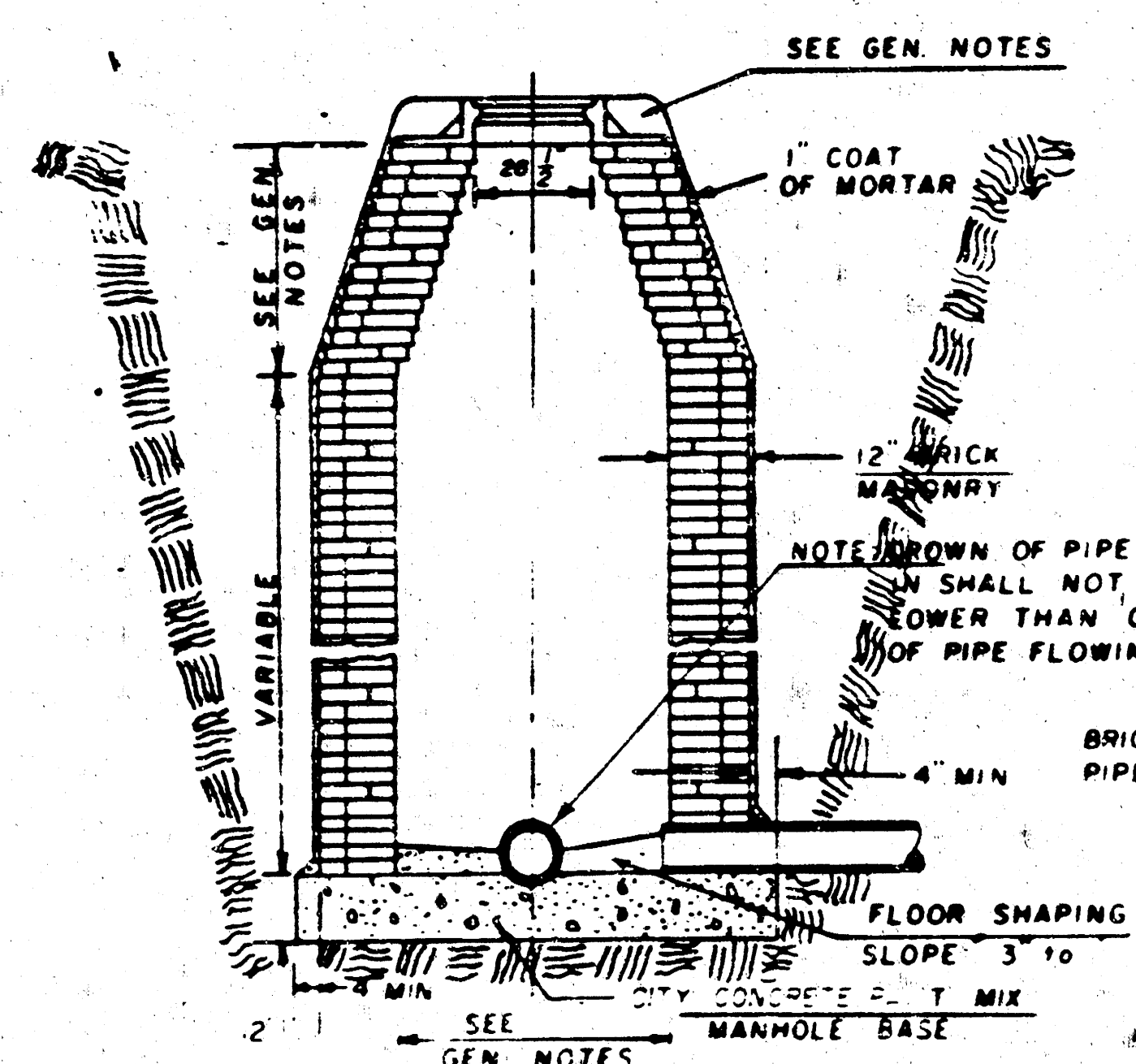
SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN
BY

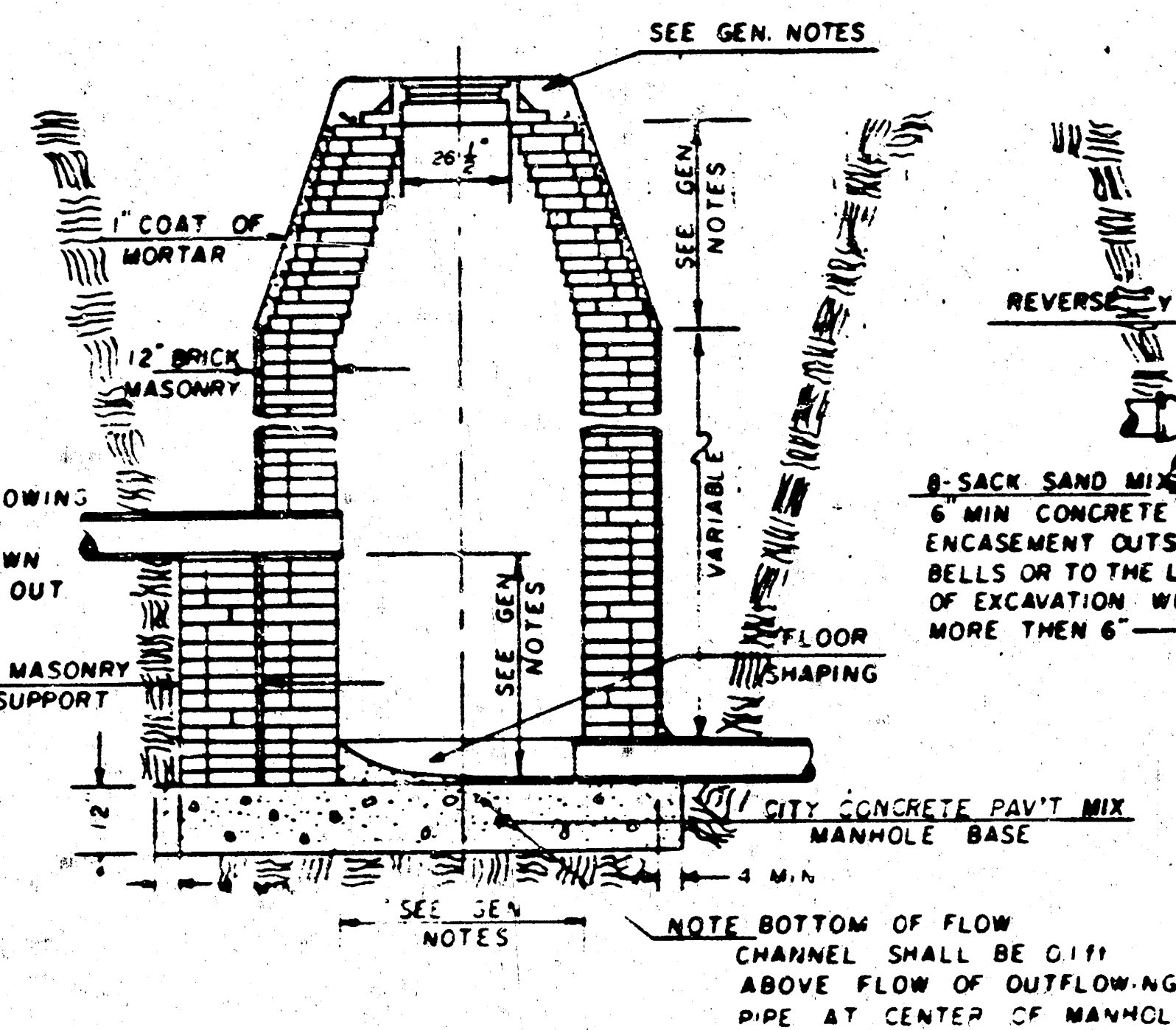
City of Wichita, Kansas

REVISED MAY 1981
REVISED JAN. 1992

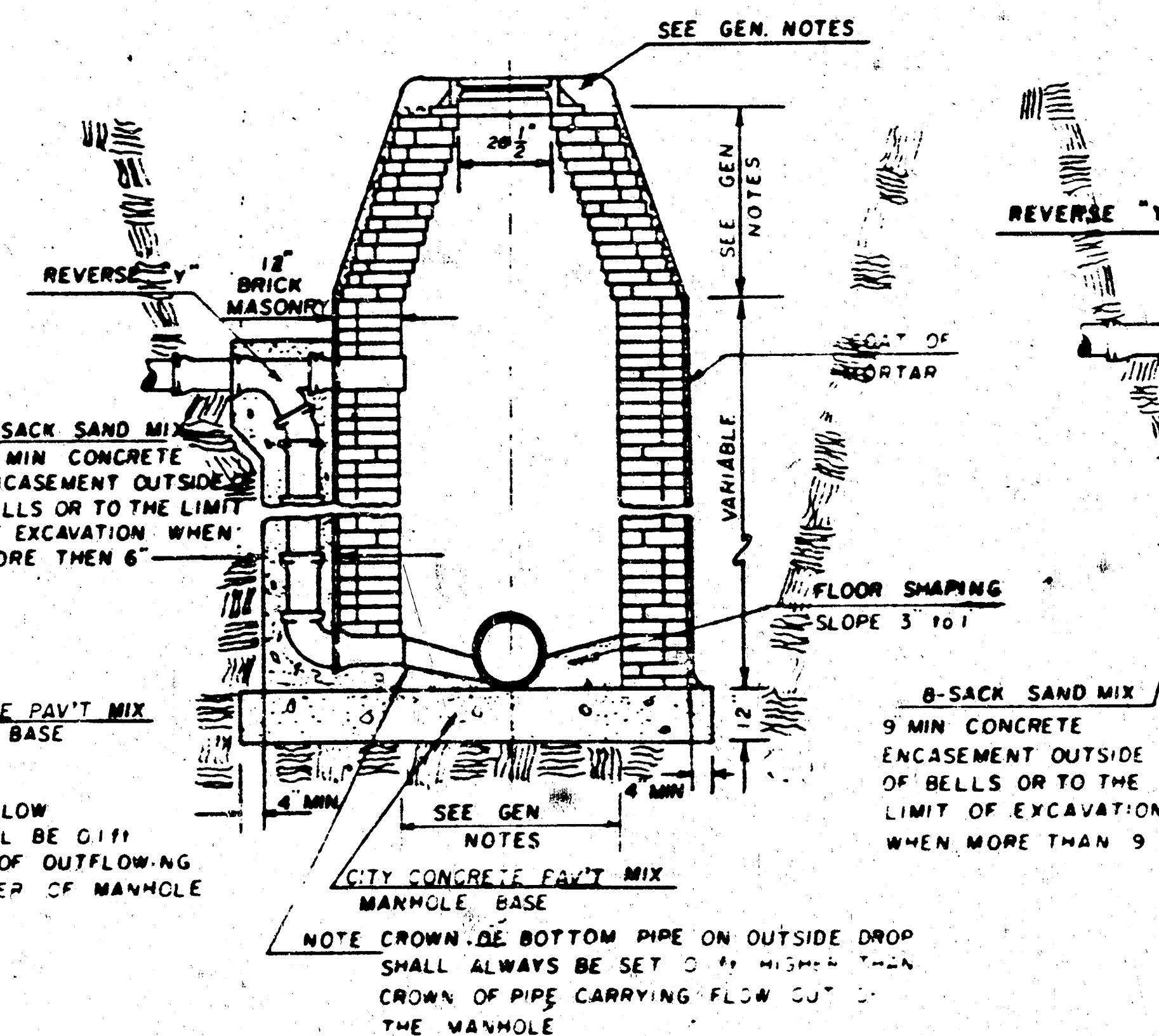
TYPE "B" MANHOLE



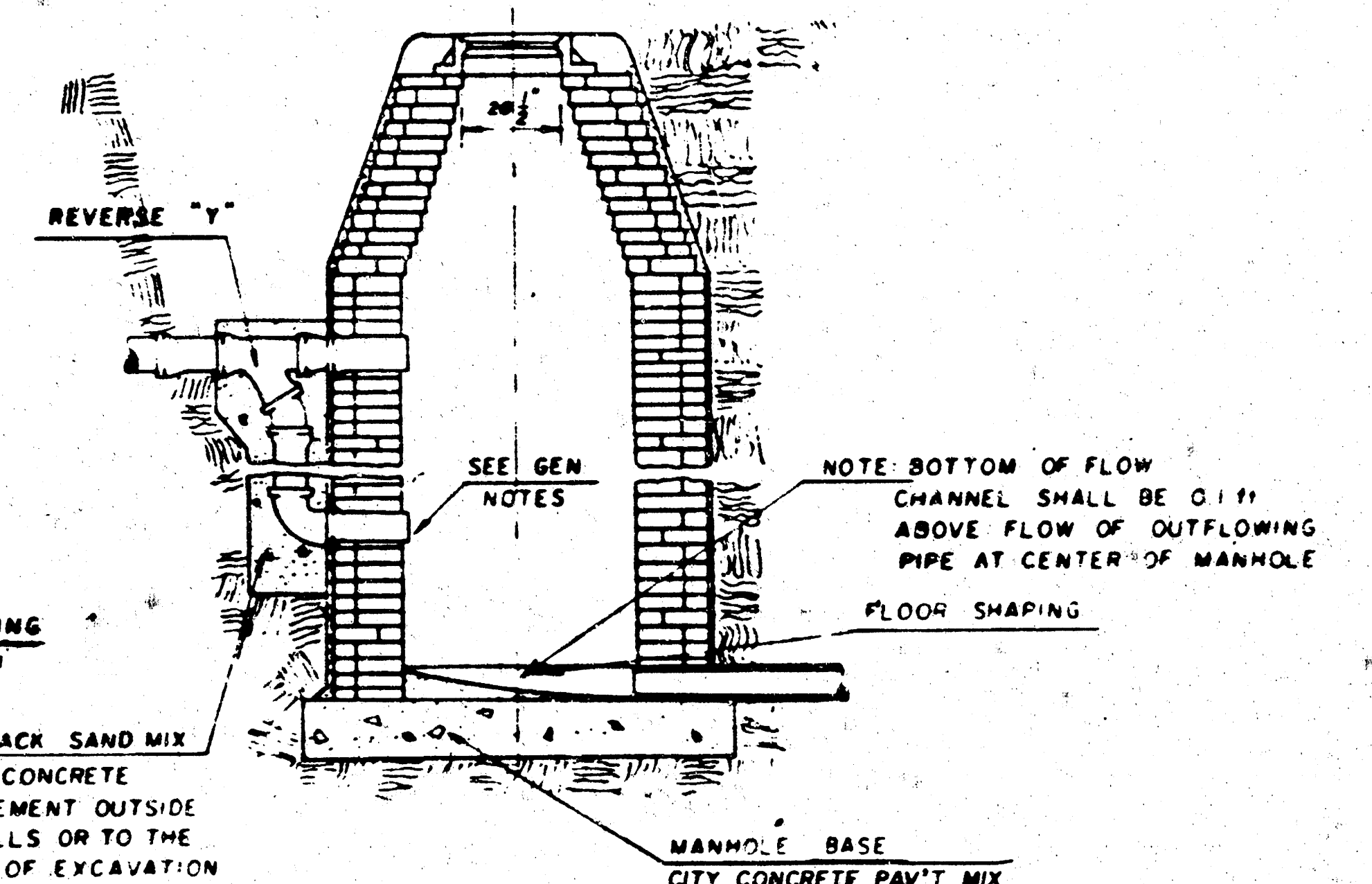
TYPE "B" INSIDE DROP MANHOLE



TYPE "B" 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 "B" MANHOLES CAN BE USED ON SEWERS HAVING DEPTHS GREATER THAN 16' OR WHEN THE MANHOLE IS LOCATED IN 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 ON 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 P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED IN THE OPENING USING AN APPROVED MUSHROOM 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 DRAWINGS. 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 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 SOLIDS COULD BE DEPOSITED AS SEWAGE 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 PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWINGS. 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 REAR LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED 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 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 CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES TYPE "B" AND STANDARD INSIDE DROP MANHOLES TYPE "B" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "B" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

WATERMAN STREET
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CITY OF WICHITA, KS.

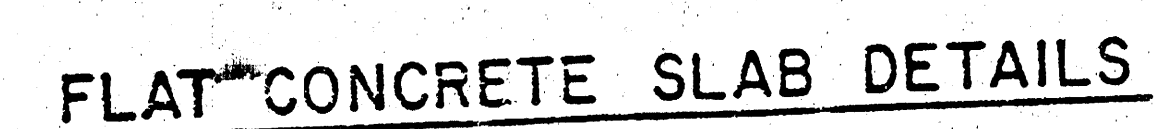
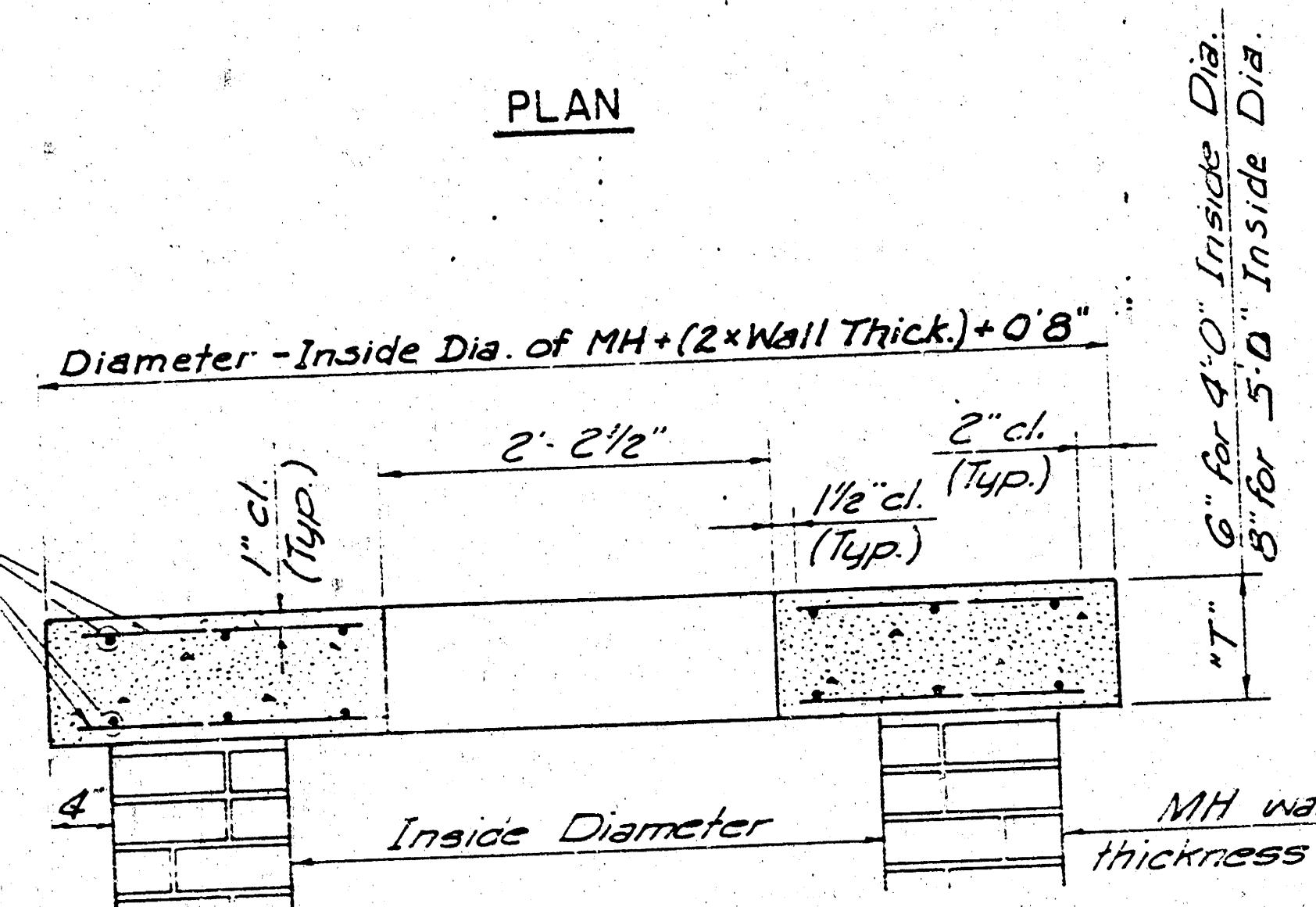
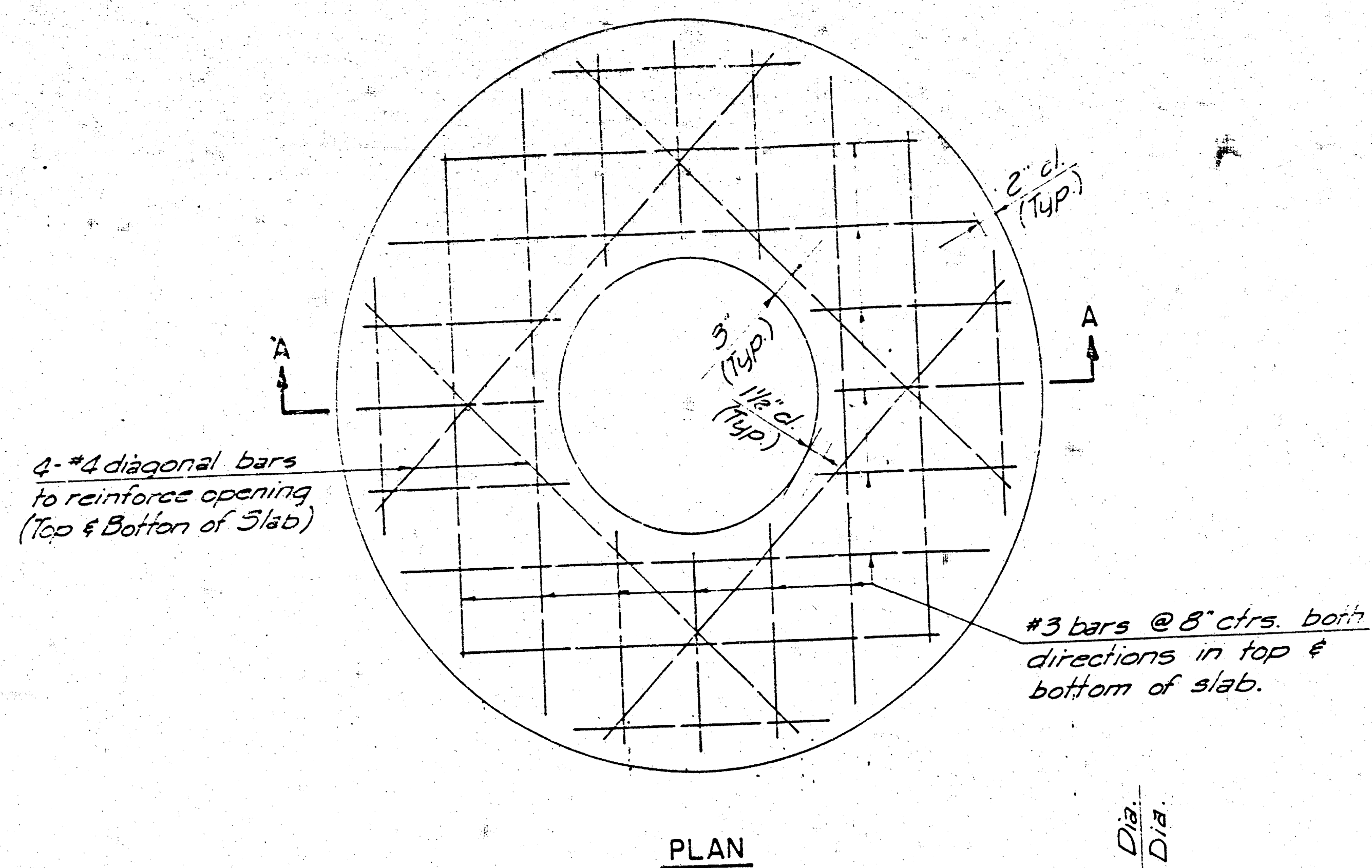
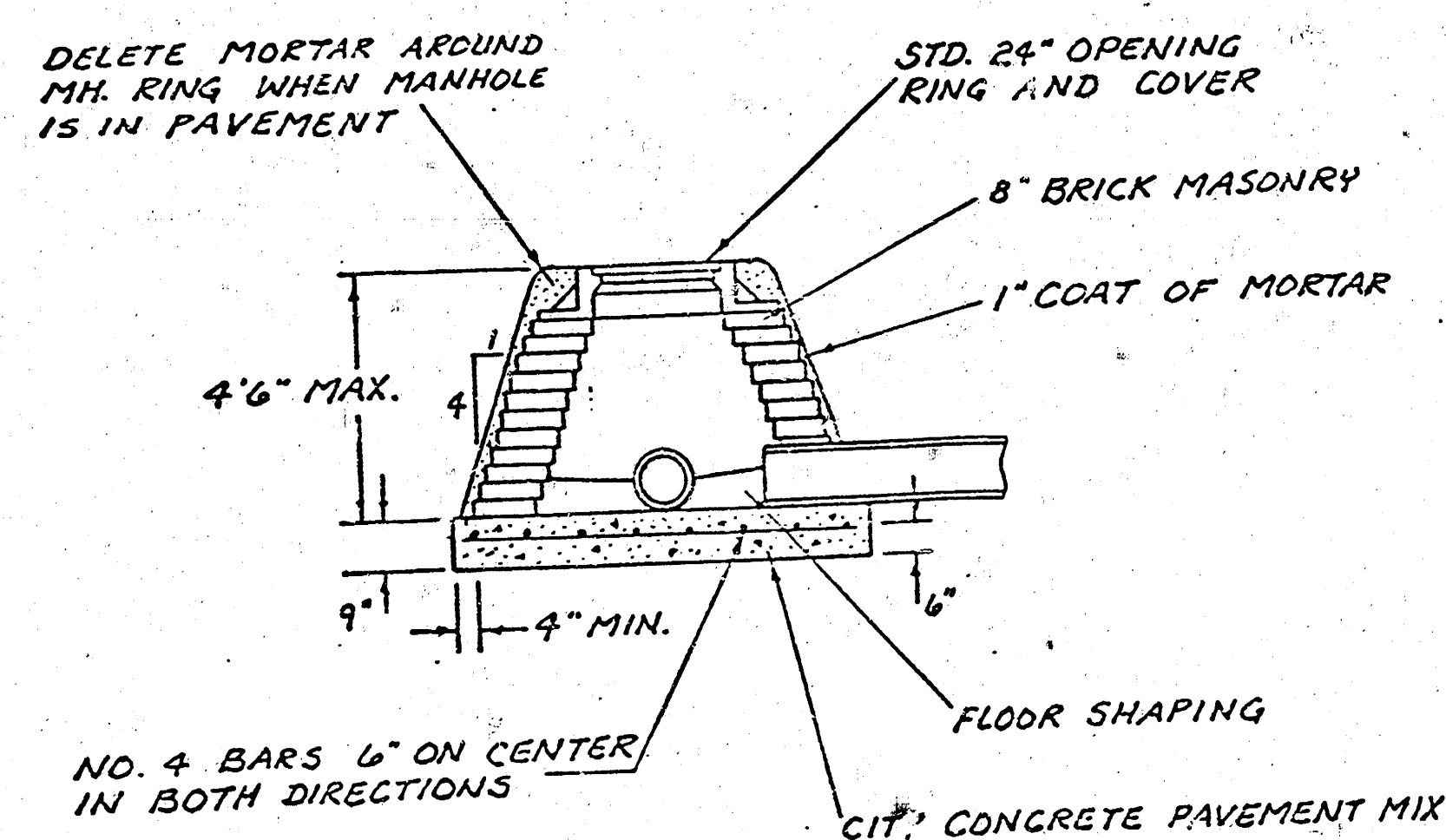
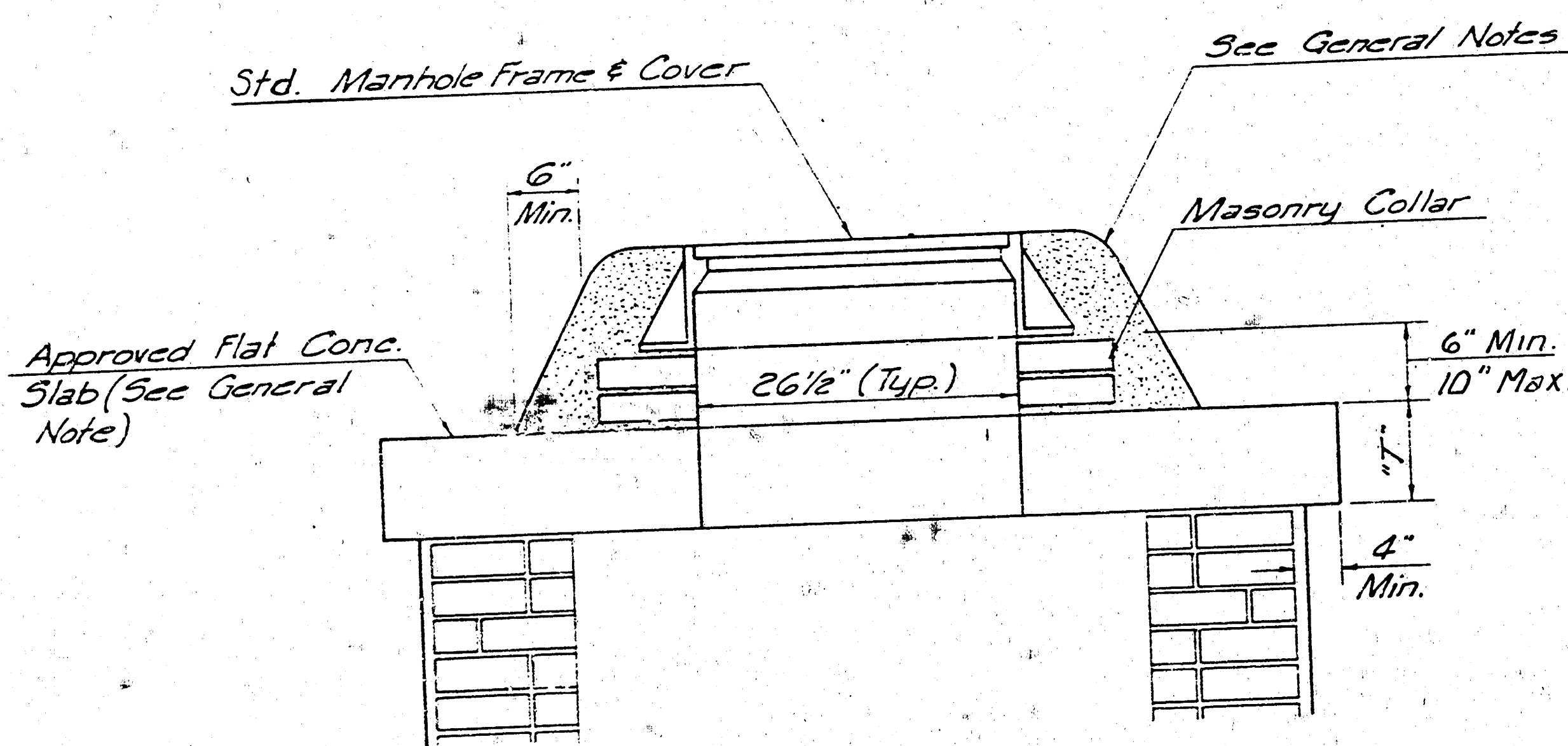
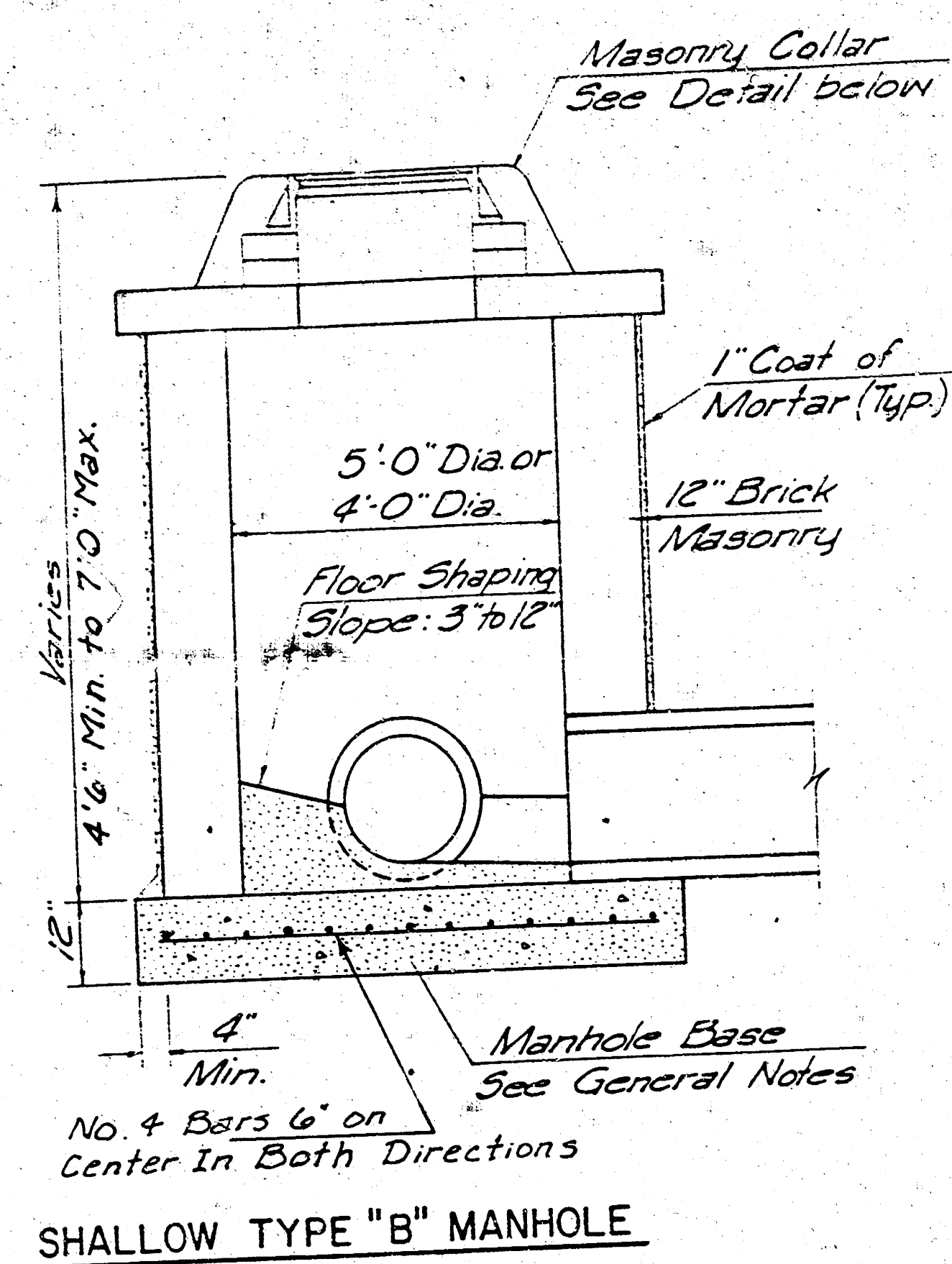
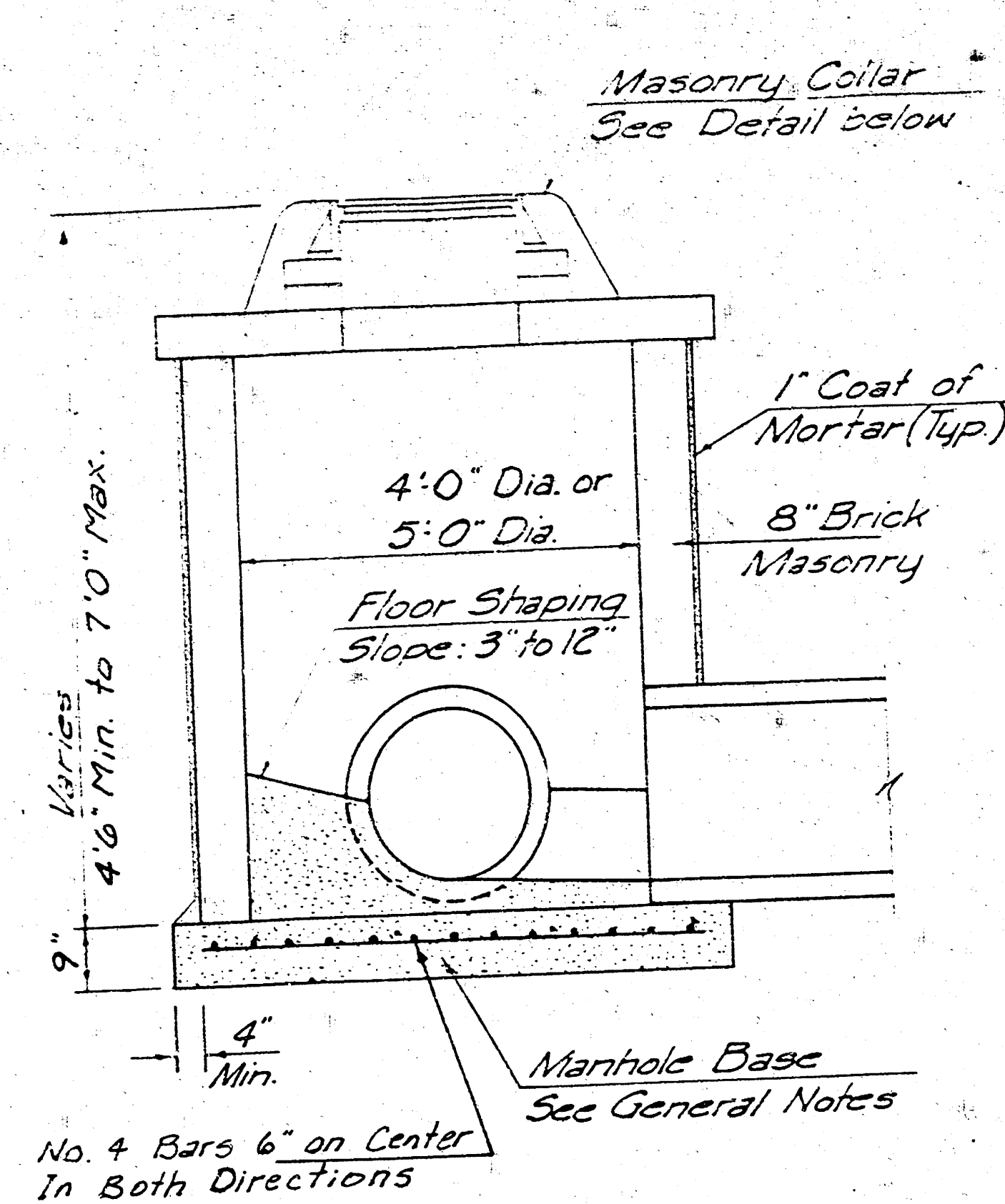
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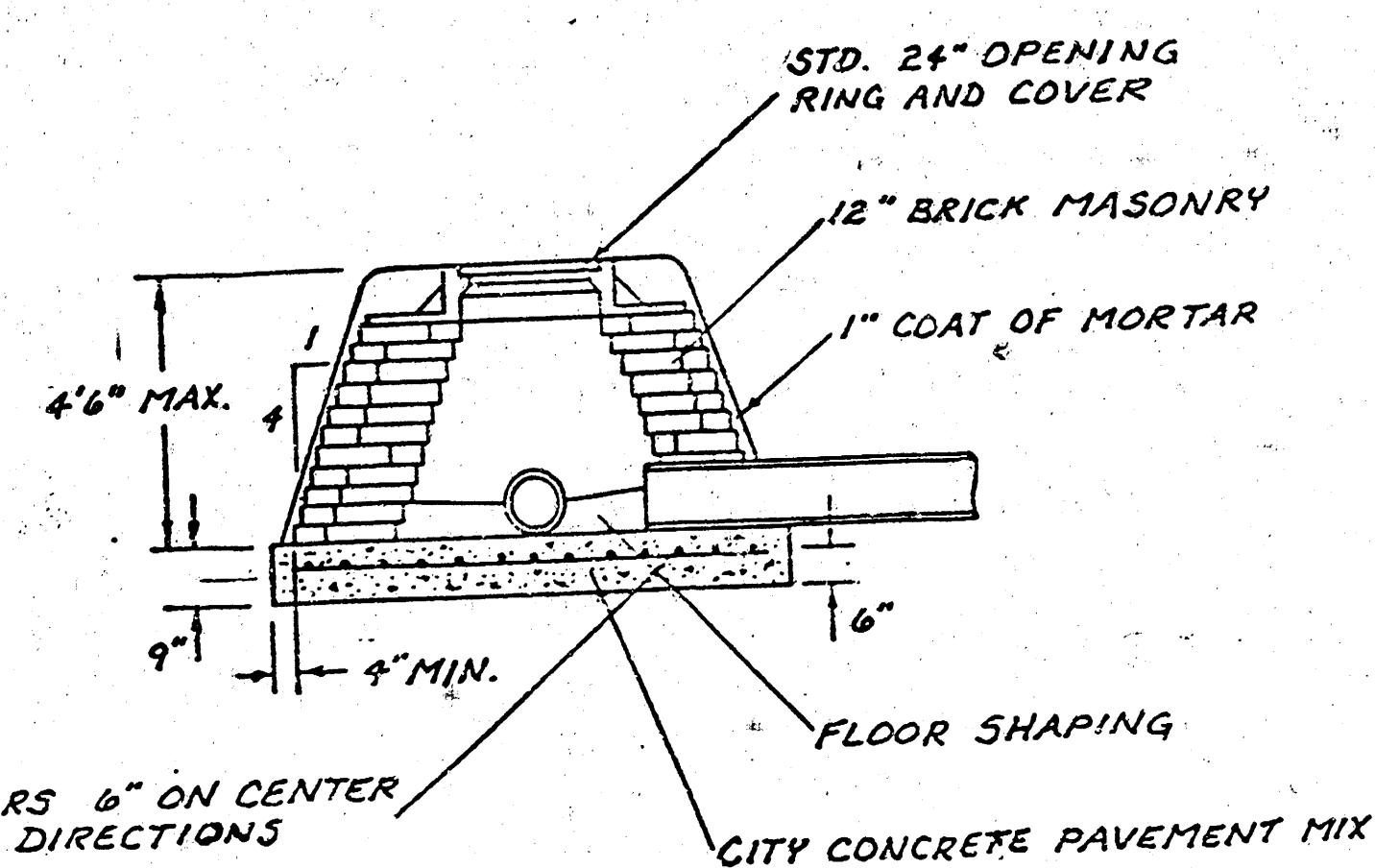
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STANDARD MANHOLE DETAIL

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- GENERAL NOTES
1. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 BAGS OF CEMENT PER RE-CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAUGHENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE CEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RIMS AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "A" SHALL MANHOLES CAN BE USED ON SEWERS WHEN THE MANHOLE IS NOT LOCATED WITHIN PUBLIC STREET PAVEMENT. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN PIPE SIZES ARE 24" OR LARGER DETERMINED BY 4". MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
 2. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 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.
 3. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE 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 PIPE AS SHOWN BY THE DRAWINGS. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE DIRECTIONS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. AREAS LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
 4. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION, WHEN CRADLE 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 CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
 5. 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 DRAWINGS.
 6. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
 7. STANDARD SHALLOW MANHOLE TYPES "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE AND DIAMETER INDICATED. STANDARD SPECIAL SHALLOW MANHOLES TYPE "A" AND "B" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR THE TYPE INDICATED. ALL STANDARD SHALLOW MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.



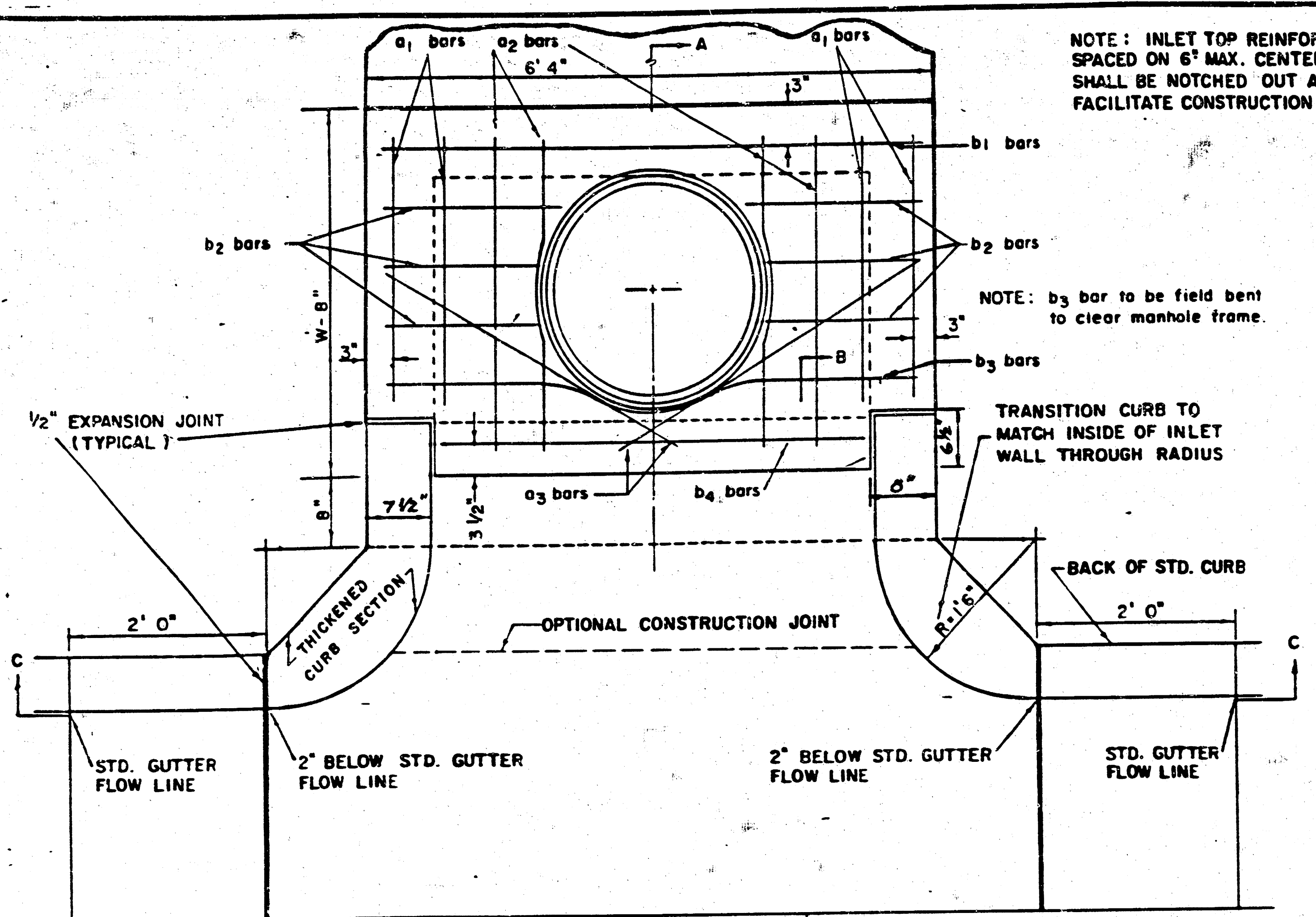
CITY OF WICHITA, KANSAS
STANDARD SHALLOW MANHOLES
TYPE 'A' AND TYPE 'B'

WATERMAN STREET
E. L. WICHITA TO W. L. MAIN ST.
472-76-245-81483-000-000-00

Designed by		Checked by		Job No.	7A / 1
Drawn by		Date			

SHALLOW MANHOLE DETAIL

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

PLAN

STEEL SCHEDULE

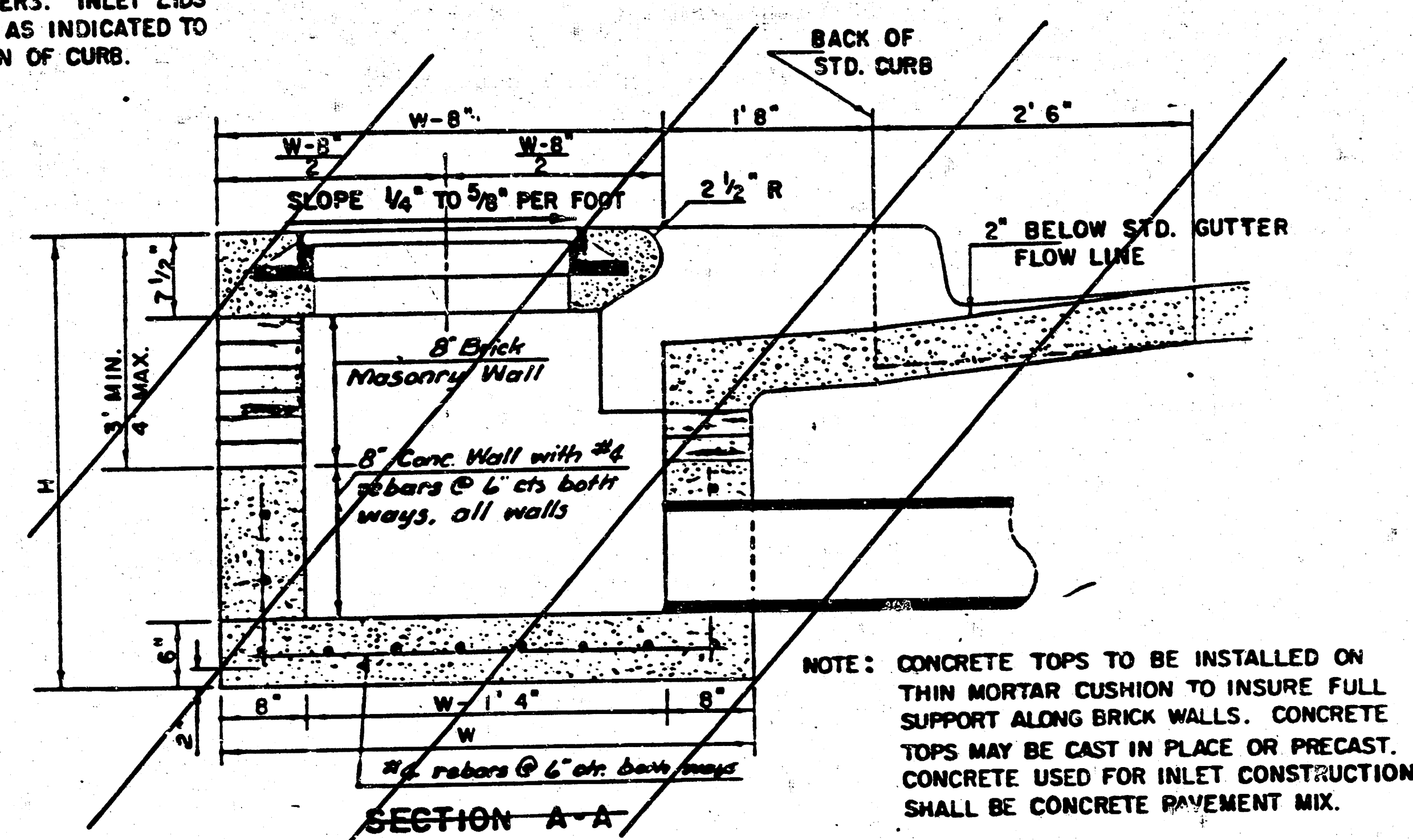
BAR	a ₁	a ₂	a ₃	b ₁				b ₂	b ₃	b ₄	WT. LBS.	
				b ₁	b ₂	b ₃	b ₄					
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W-4'-2"	5'-7"	6'-7"	4'-0"	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"	60 ±
	W-6'-4"	7'-7"	8'-7"	6'-0"	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"	81 ±
	W-6'-4"	9'-7"	10'-7"	8'-0"	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"	101 ±
	W-7'-4"	11'-7"	12'-7"	8'-0"	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"	121 ±
	W-8'-4"	13'-7"	14'-7"	8'-0"	6'-1"	-	-	-	1'-9"	6'-2"	4'-8"	141 ±

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

STANDARD CURB INLET-PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-2"	3'-6" x 6'-4" x 7 1/2"	21" 8 SMALLER	0.38 ±
6'-4"	6'-0" x 6'-4" x 7 1/2"	24" 8	0.51 ±
6'-4"	6'-0" x 6'-4" x 7 1/2"	36" 8	0.64 ±
6'-4"	6'-0" x 6'-4" x 7 1/2"	48" 8	0.77 ±
6'-4"	6'-0" x 6'-4" x 7 1/2"	60" 8	0.90 ±

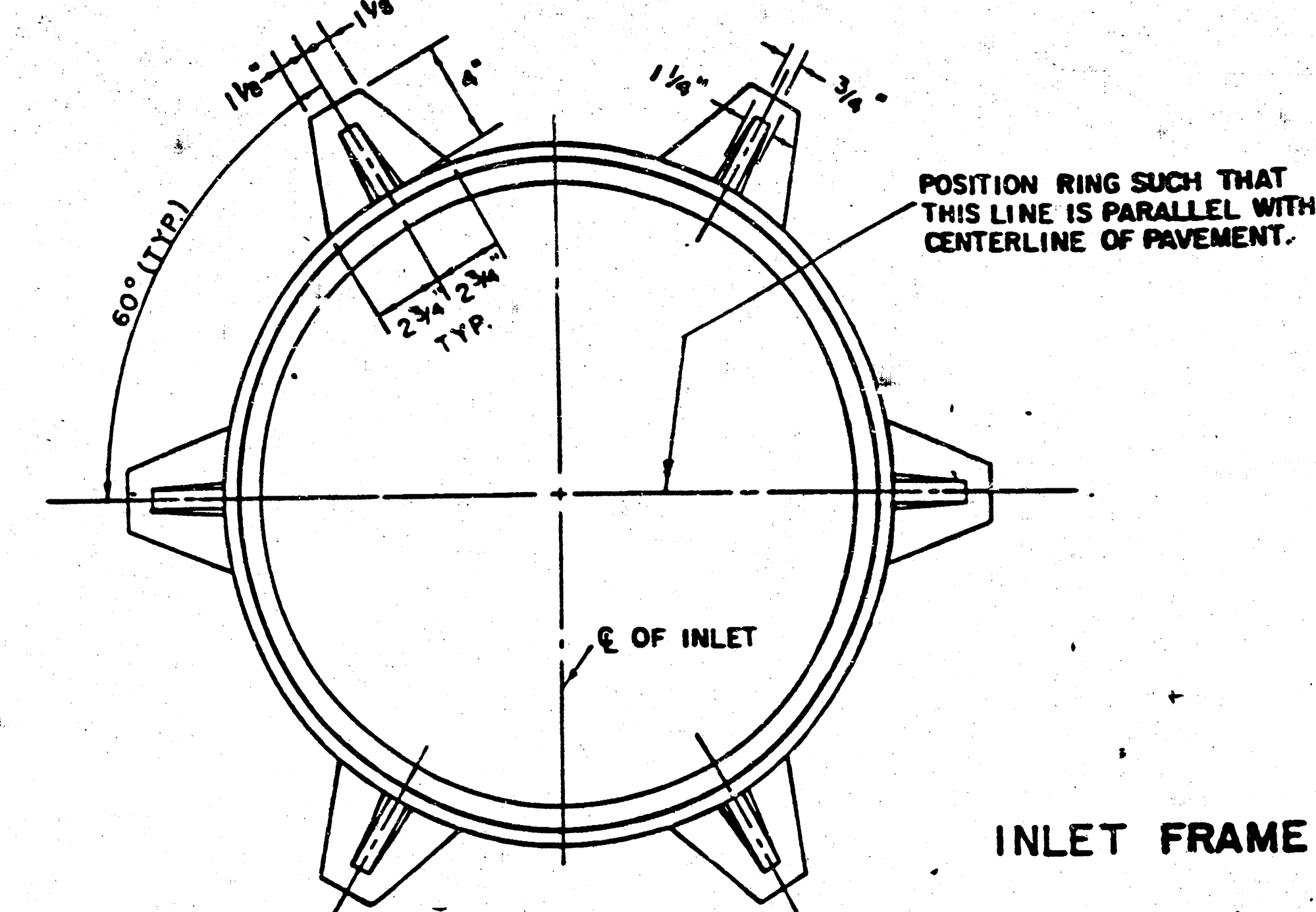


NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

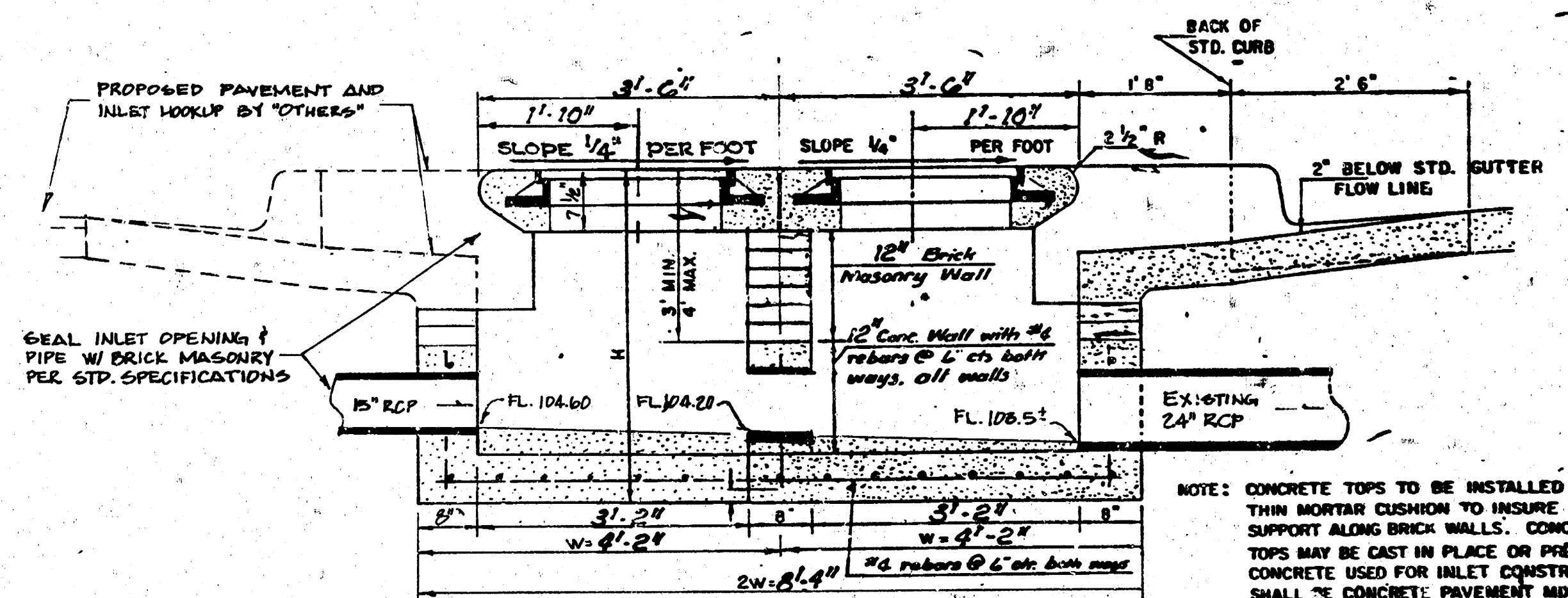
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET NOOKUP.

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.

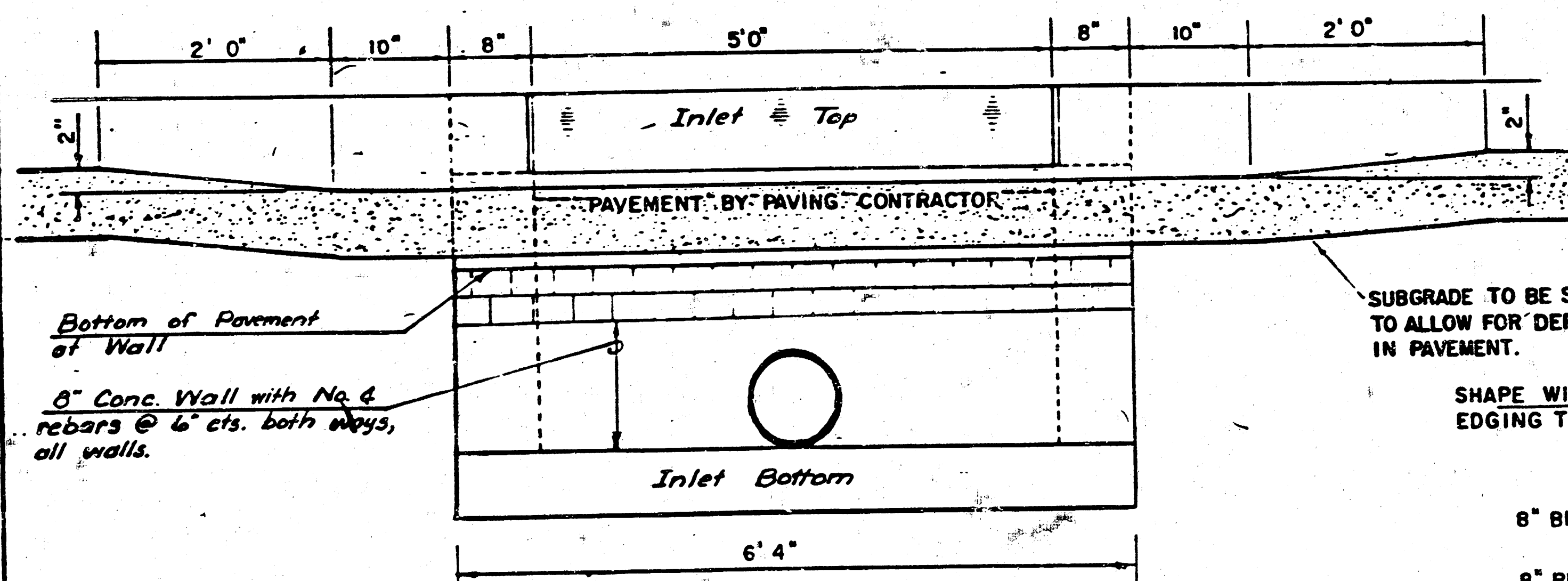


SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION A-A

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



SECTION C-C

SECTION B-B

WATERMAN STREET

E. L. WICHITA TO W. L. MAIN ST.

CITY OF WICHITA, KS.

PROJECT NO.

472-76-245-81483-000-000-001

BAUGHMAN COMPANY, P.A.

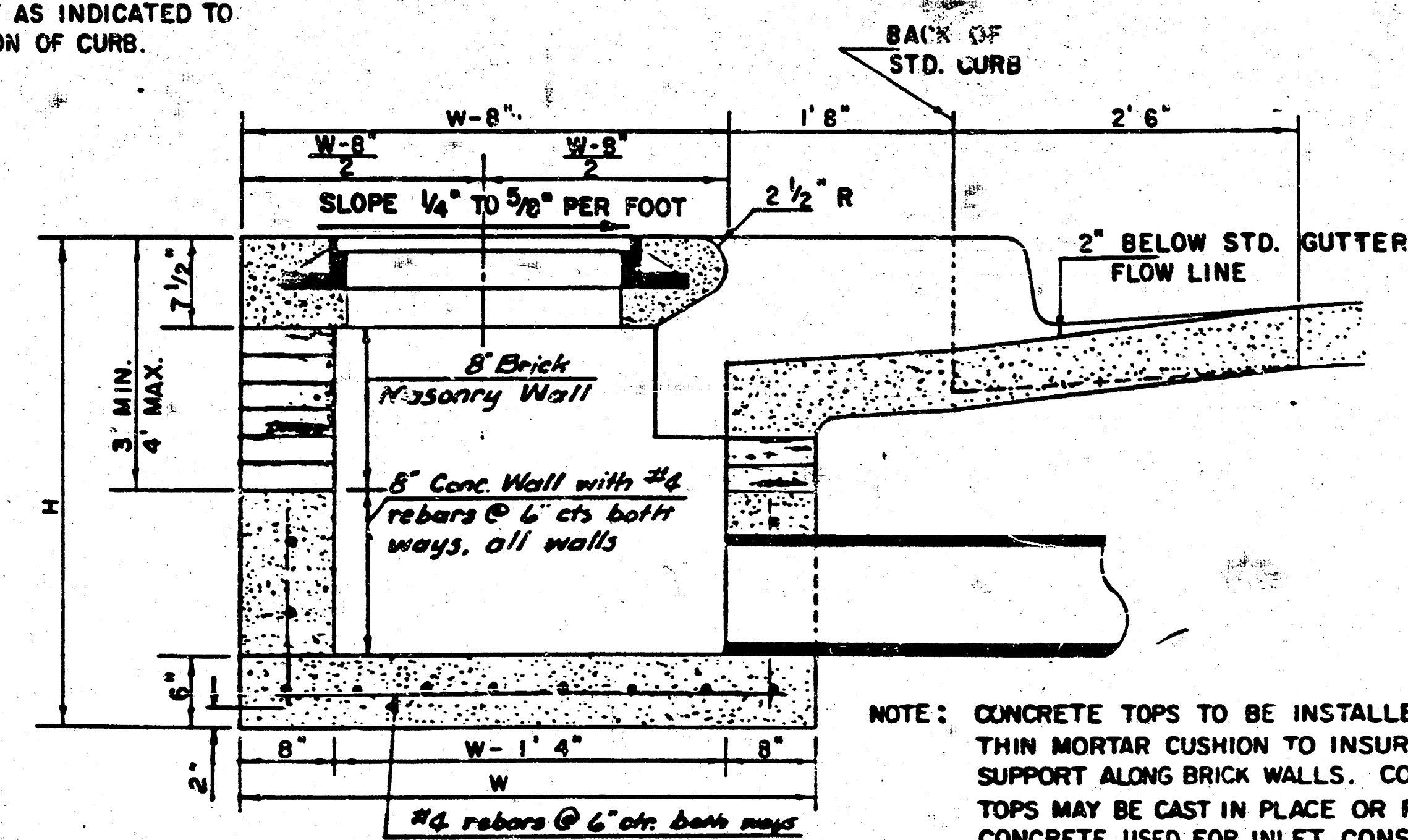
SURVEYING & ENGINEERING

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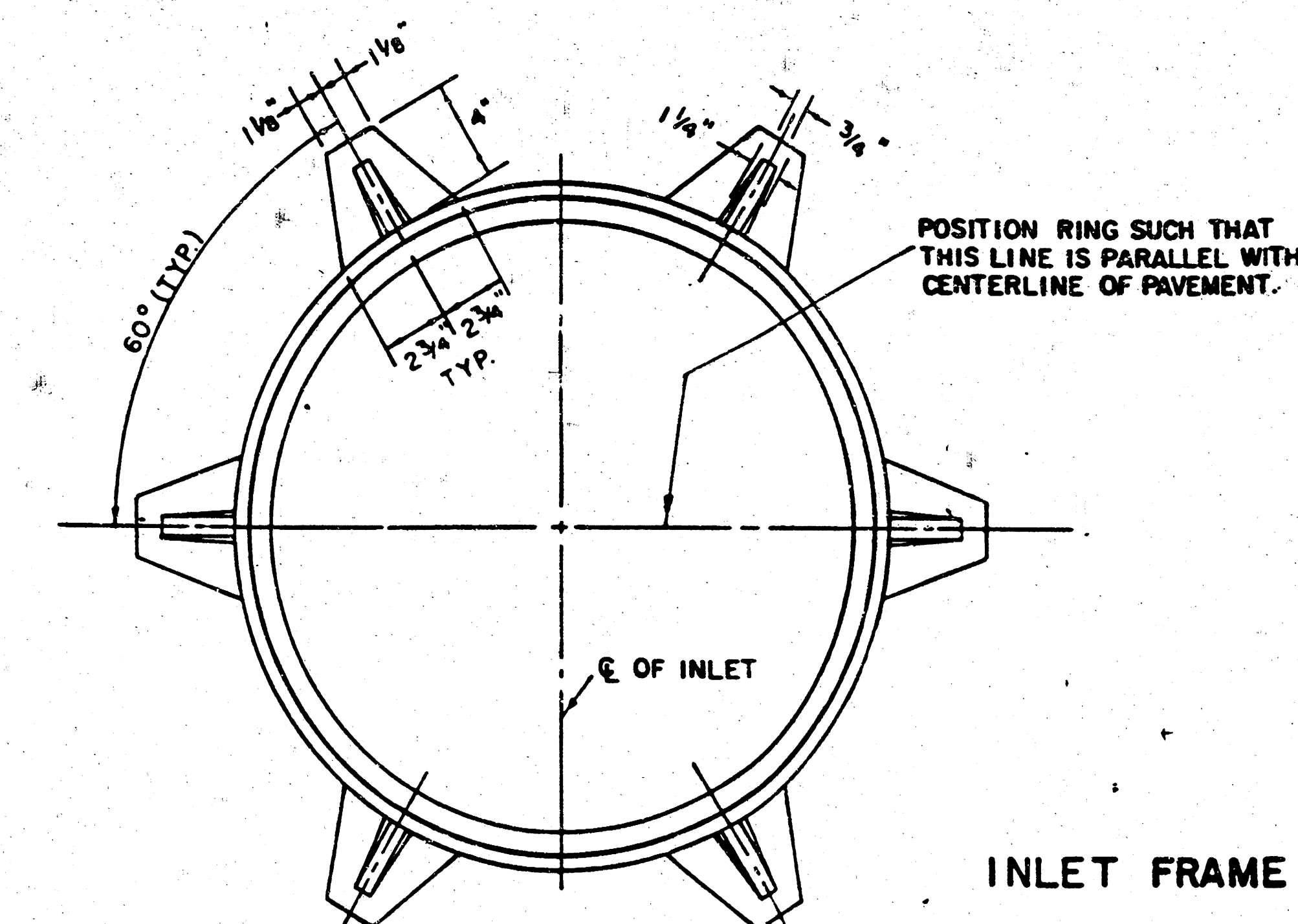
8/11

SPECIAL TYPE 1A INLET DETAIL

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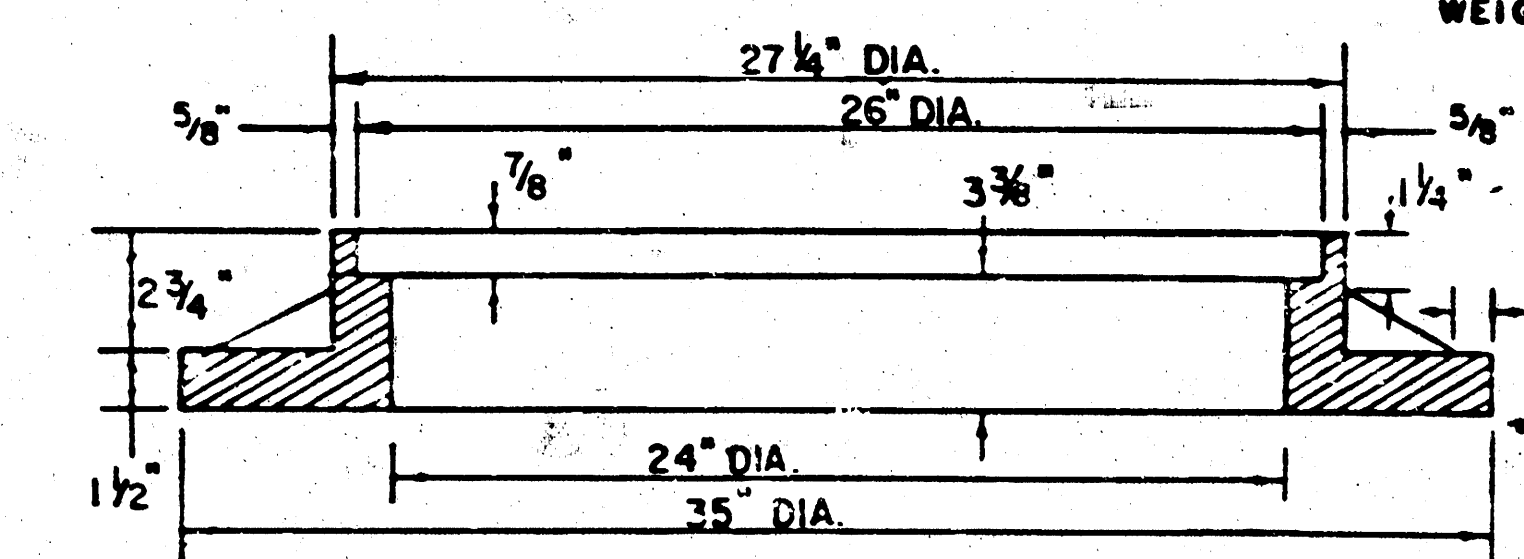


SECTION A-A



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.

PLAN

STEEL SCHEDULE

BENDING DIAGRAM

BENDING DIAGRAM

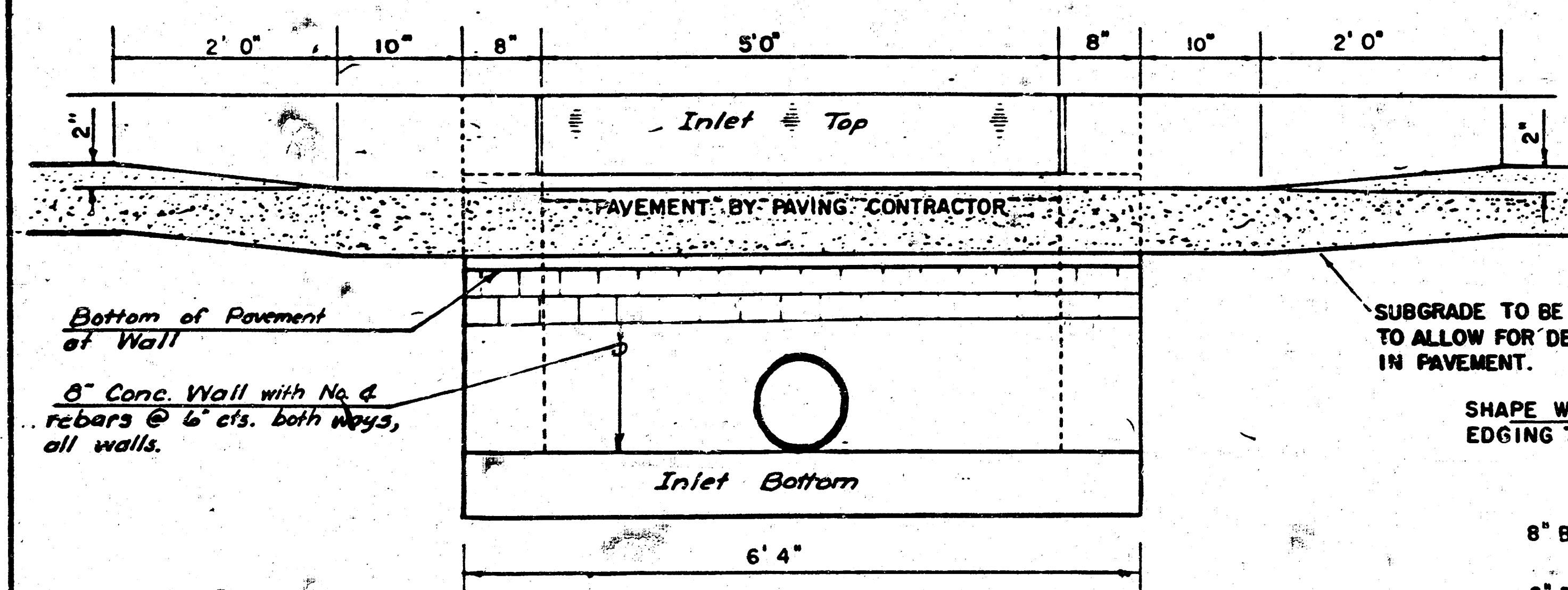
♦ NOTE: σ_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

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

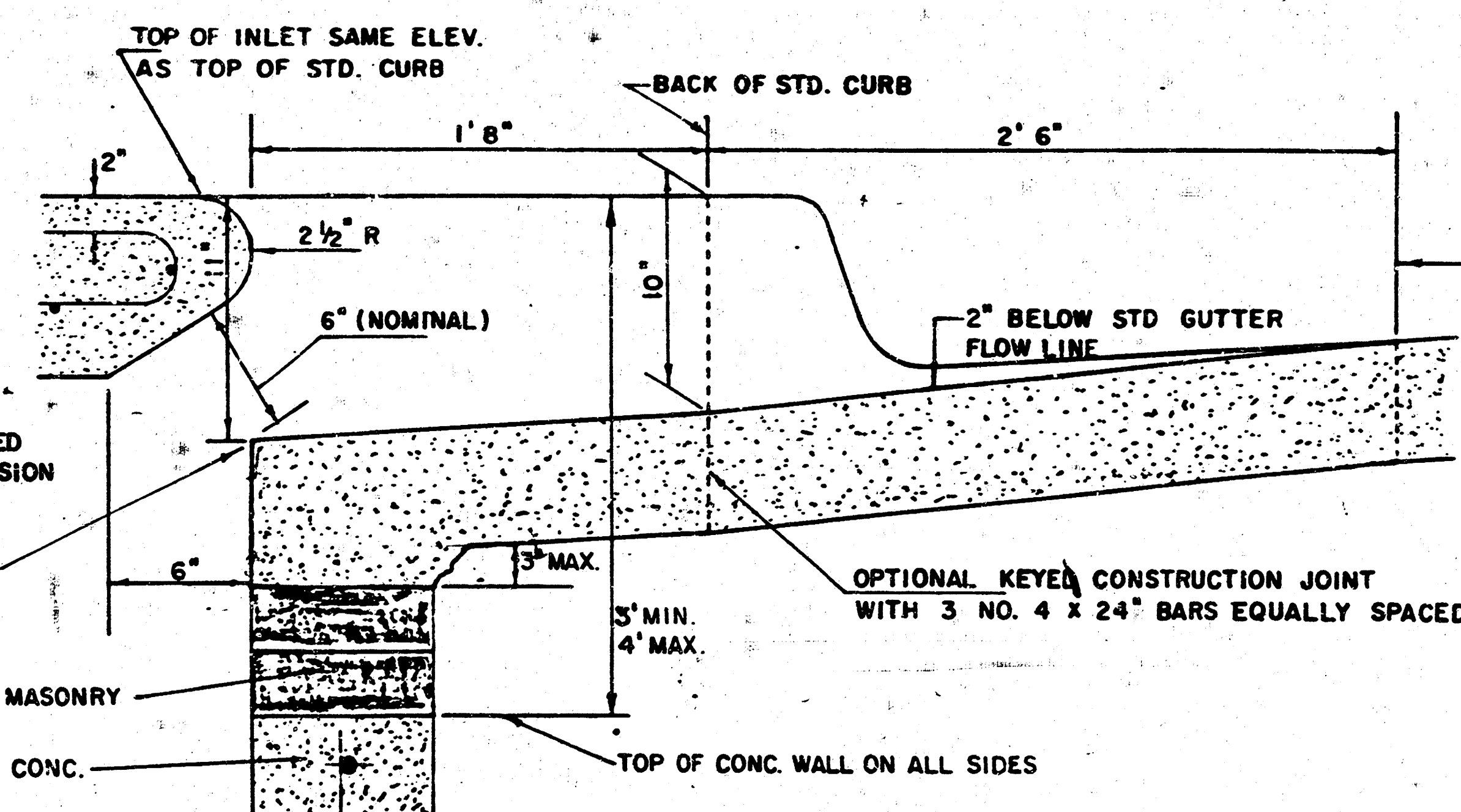
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

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.



SECTION C - C



SECTION B - B

**LIMITS OF GUTTER SHAPING AND/OR
EDGE OF COMB, CURB AND GUTTER**

WATERMAN STREET

E. L. WICHITA TO W. L. MAIN ST.

CITY OF WICHITA, KS.

PROJECT NO.

PROJECT NO.
472-76-245-81483-000-000-001

BAUGHMAN COMPANY, P.A.

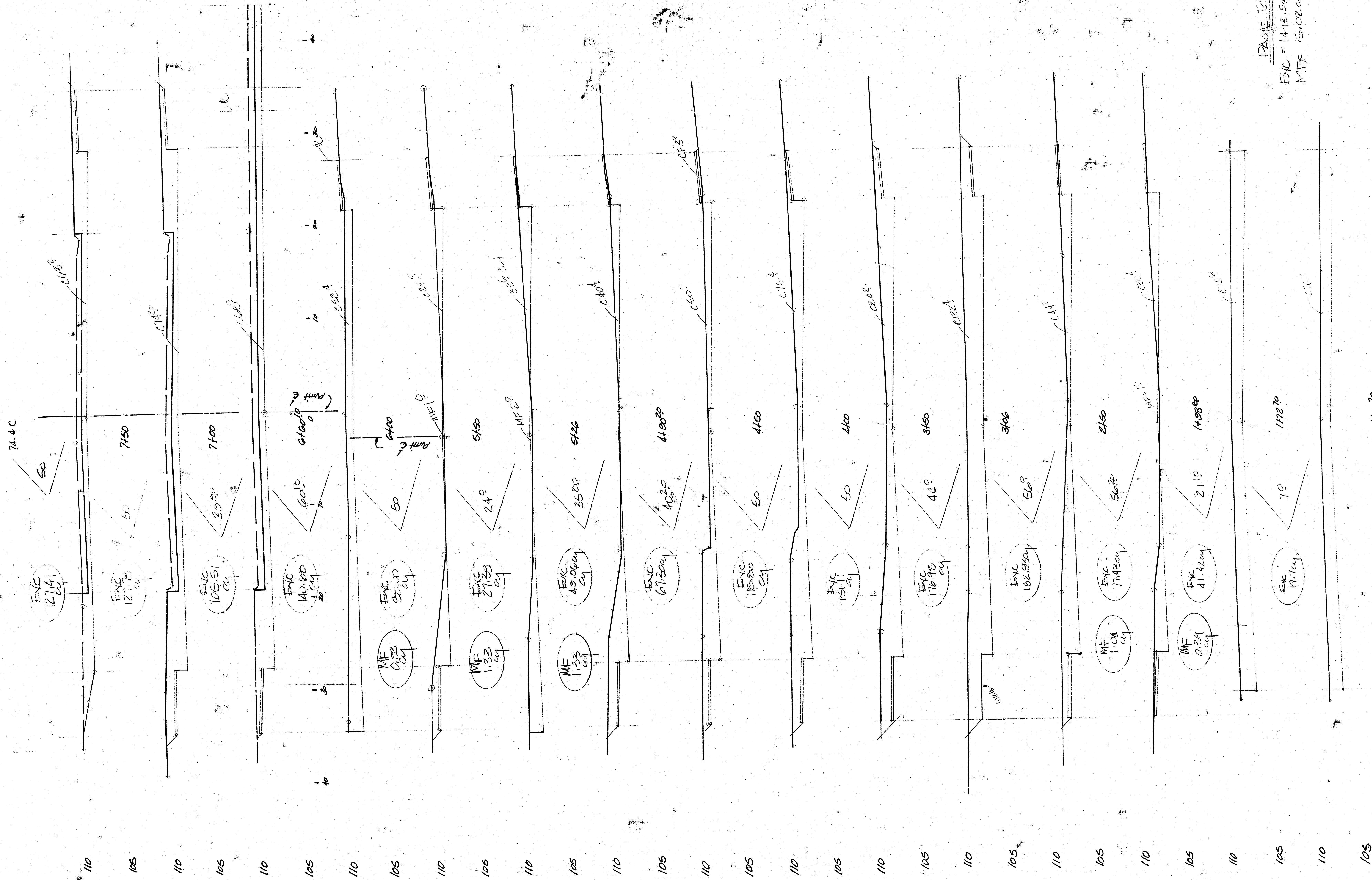
ROTHMAN COMPANY,
SURVEYING & ENGINEERING
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316/262-7271 • 330 LAURA • WICHITA, KANSAS 6721

9/1

STANDARD TYPE 1A INLET DETAIL

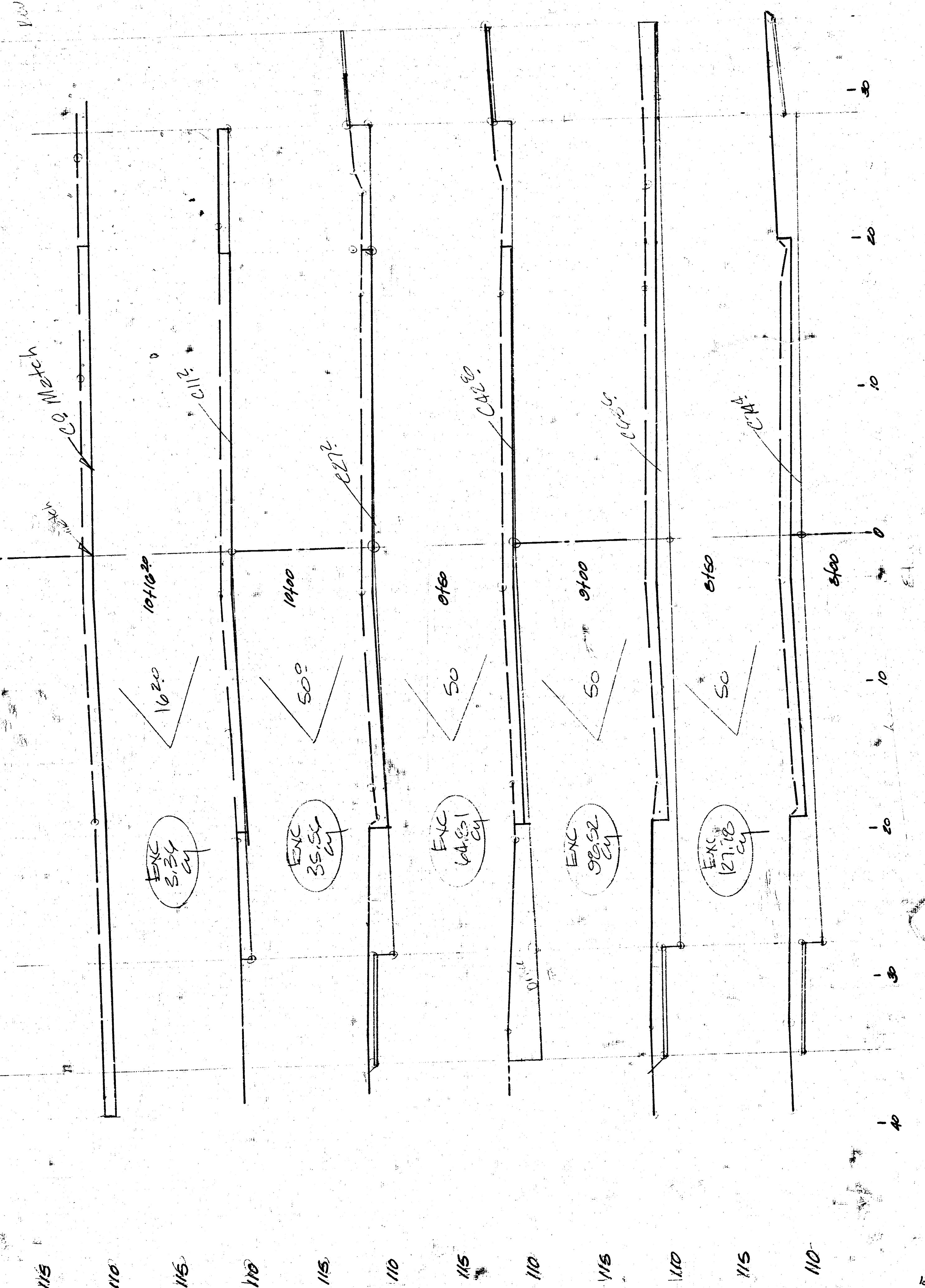
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EXCAVATION TOTALS
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