

HOLLAND LANE

FROM THE NORTH LINE OF SUNCREST AVENUE
TO THE SOUTH LINE OF HARVEST LANE

and

HARVEST LANE

FROM THE WEST LINE OF HOLLAND LANE
TO THE SOUTH LINE OF 17th STREET NORTH

PROJECT NO. 472-76-245-81665-000-000-001

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

NOTES

1. 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.
2. 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.
3. WIDENED GUTTER SECTION OF COMBINED CURB AND GUTTER AT INTERSECTIONS WILL NOT BE PAID FOR DIRECTLY, AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER CONTRACT PAY ITEMS OF WORK.
4. CONTRACTOR SHALL GIVE PROPERTY OWNERS ABUTTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THEIR YARDS TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL ASCERTAIN THAT A DIRT ORDER FORM HAS BEEN PROPERLY EXECUTED BY THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.
5. THE CONTRACTOR WILL BE PERMITTED TO BID ONLY ONE OF THE ALTERNATE TYPES OF SUBGRADE TREATMENT. THE TYPE TO BE USED BY THE SUCCESSFUL BIDDER WILL BE THE TYPE OF SUBGRADE TREATMENT USED TO CONSTRUCT THE PROJECT.
6. 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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
7. LIMITS OF EARTHWORK SHALL MATCH EXISTING GROUND ELEVATIONS AT THE RIGHT-OF-WAY LINE UNLESS OTHERWISE NOTED ON THE PLANS WITH A NEW FINISHED GRADE ELEVATION. WHEN A NEW FINISHED GRADE ELEVATION IS SHOWN, THE EARTHWORK SHALL EXTEND ONE FOOT BEYOND THE RIGHT-OF-WAY LINE AND THEN SLOPED UP OR DOWN USING PERMISSIBLE SLOPES TO MATCH THE EXISTING GROUND SURFACE.



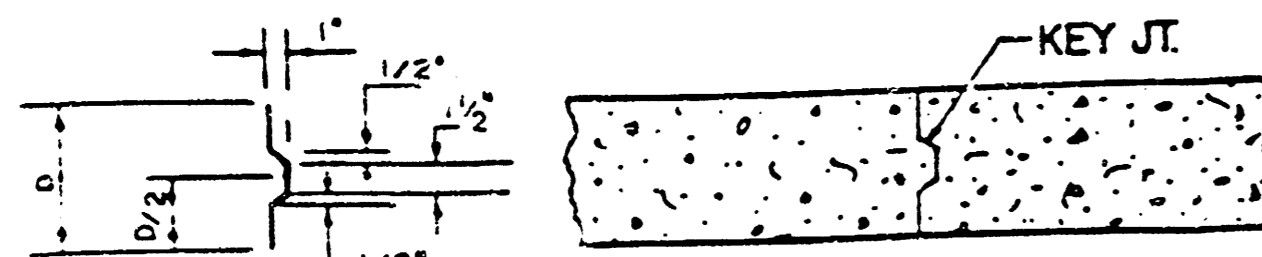
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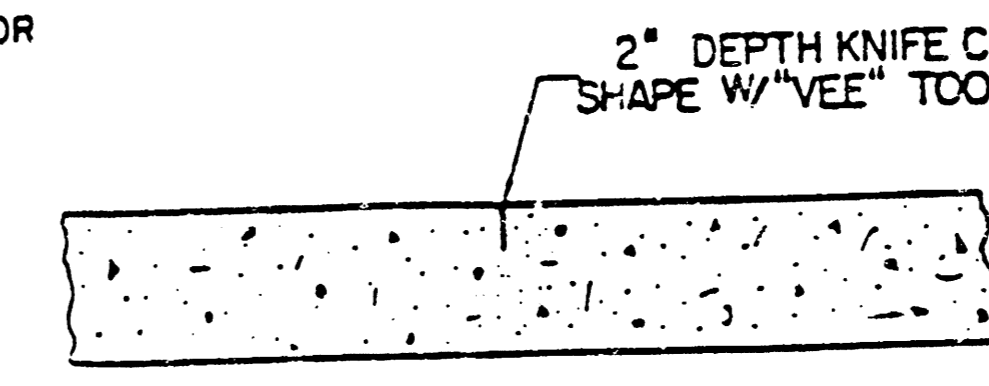
Benchmarks:
 B.M. No. 2 - "o" on Top West Curb Emerson North Side 17th. Elev. = 154.76
 B.M. No. 3 - "o" on East End Curb Return North Side Suncrest at Holland Lane. Elev. = 155.94

MOEHRING & ASSOCIATES
 CONSULTING ENGINEERS
 WICHITA

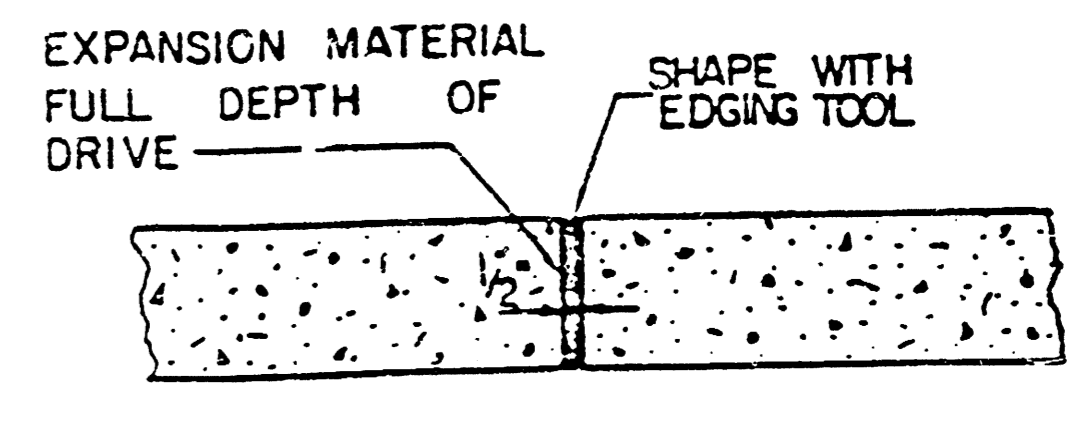




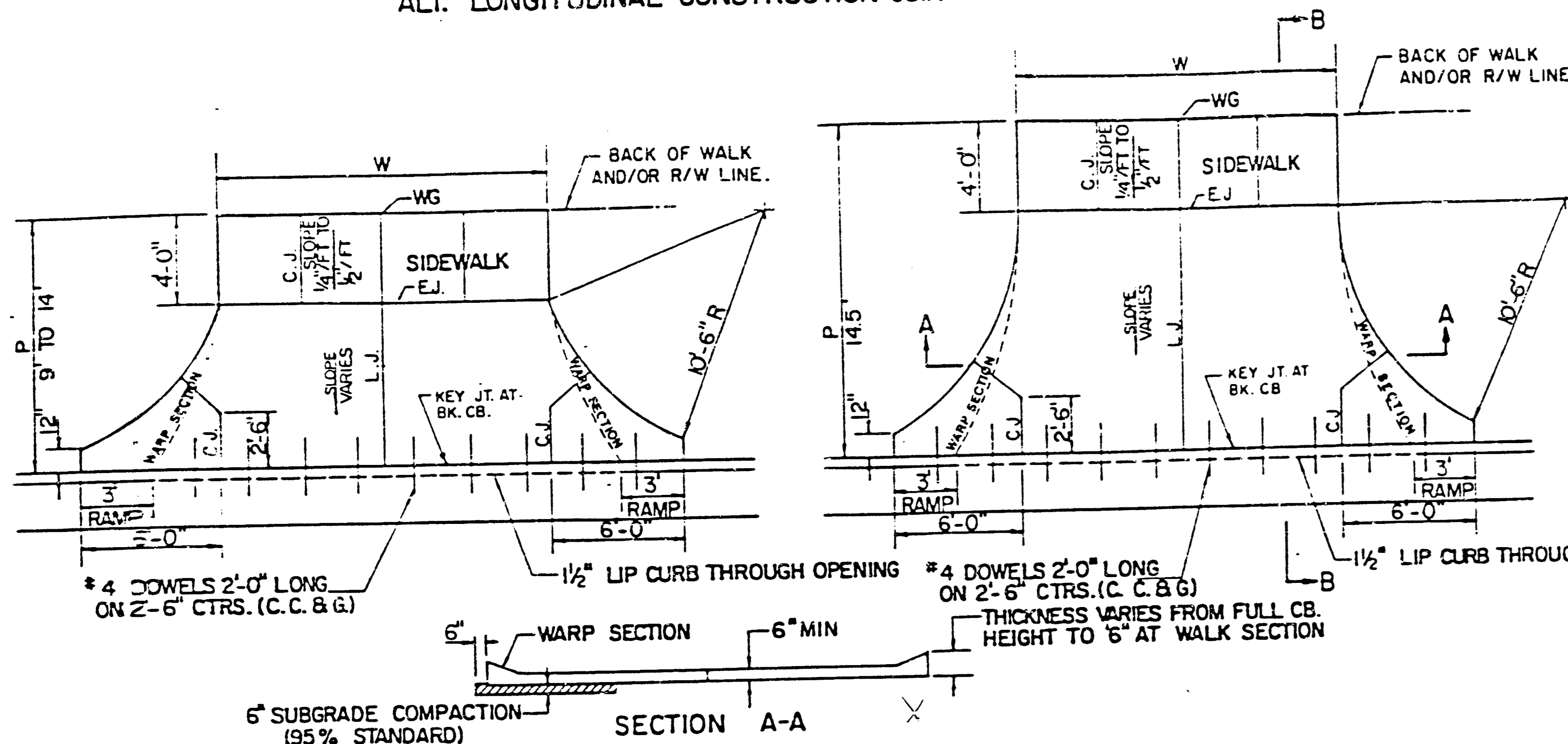
ALT. LONGITUDINAL CONSTRUCTION JOINT



CONTRACTION JOINT (C.J.) OR LONGITUDINAL JOINT (L.J.)
NO SAWN JOINTS WILL BE ALLOWED.

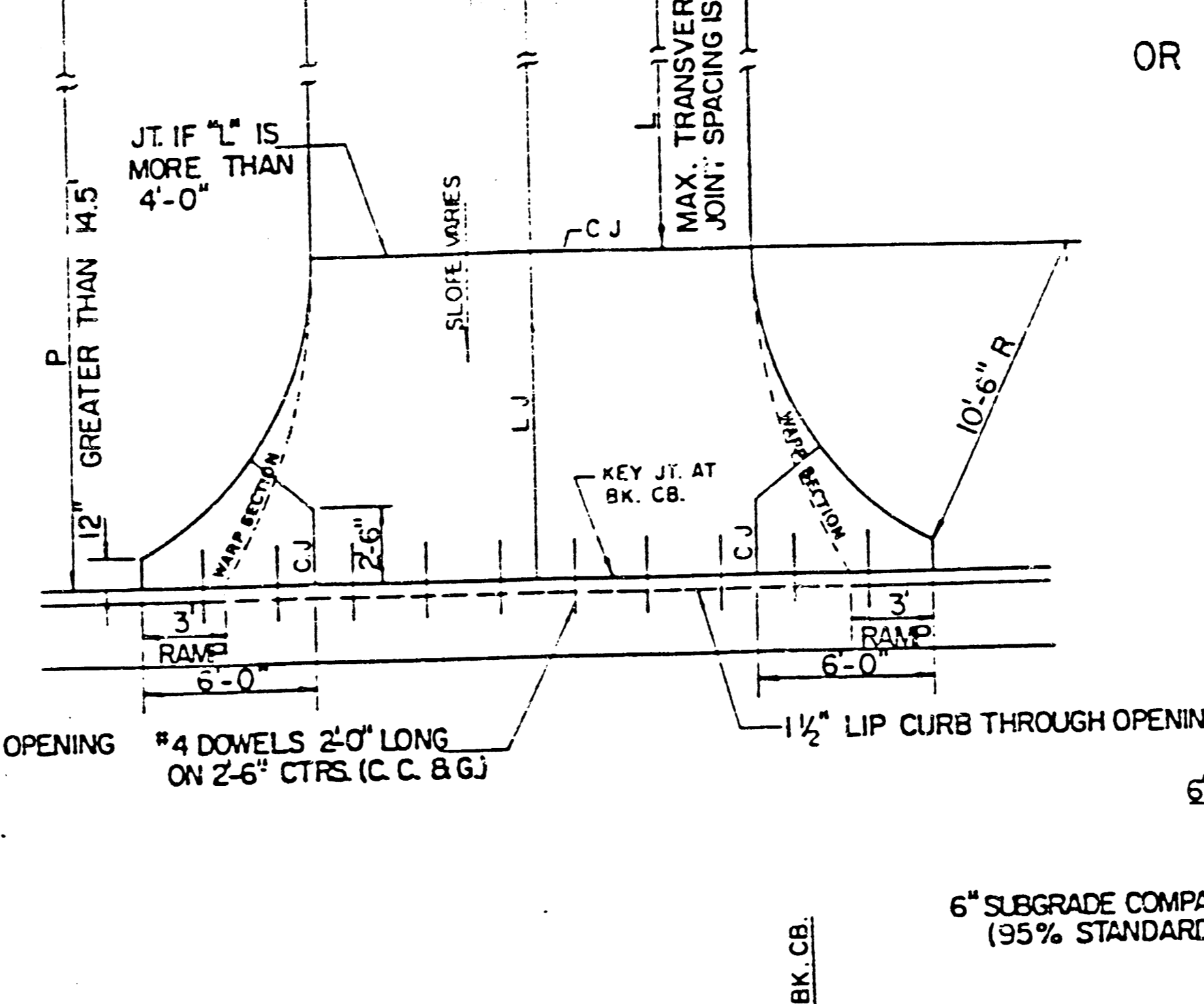


EXPANSION JOINT (E.J.)

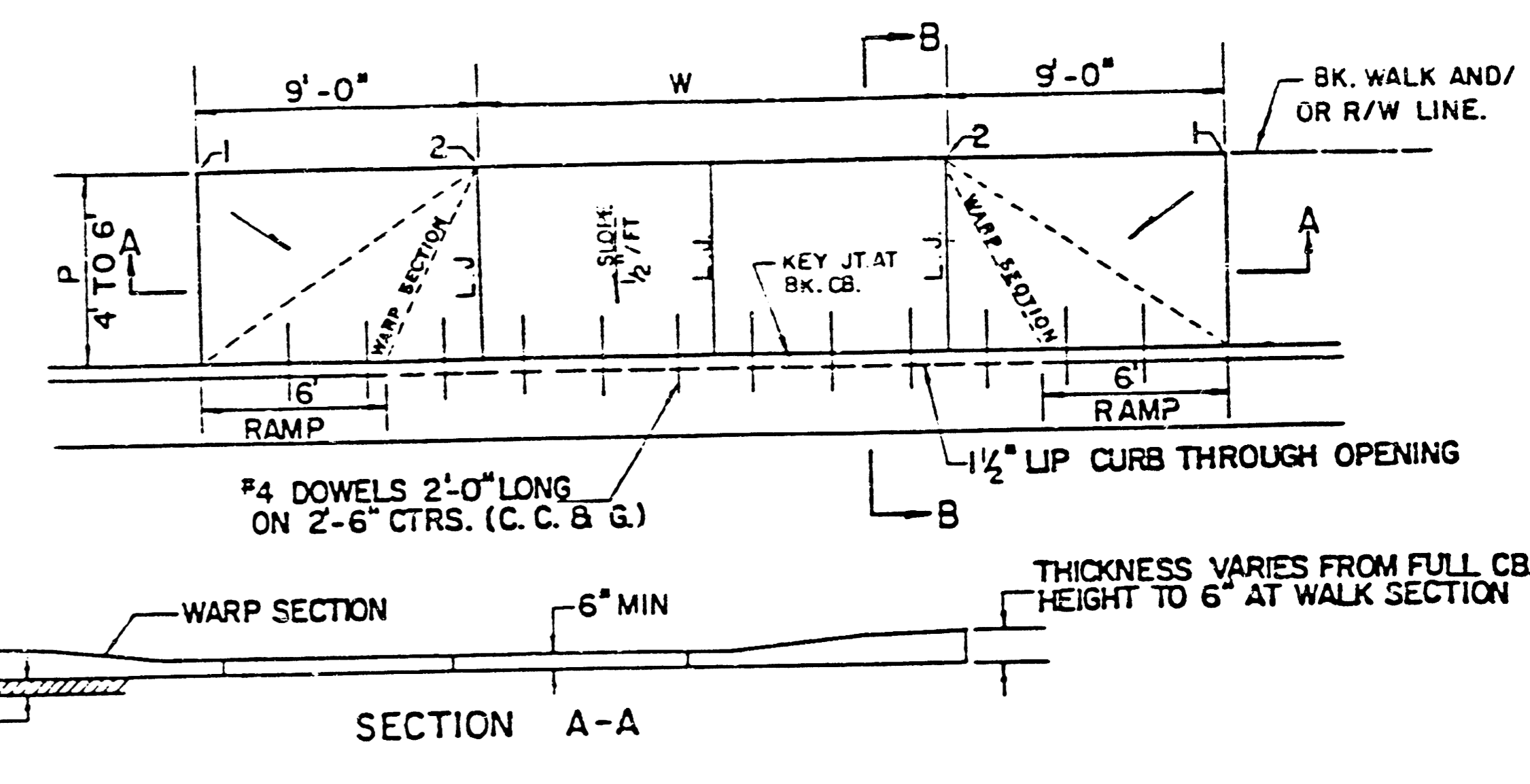


PARKING WIDTH "P"	9'	10'	11'	12'	13'	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.70'	1.04'	1.35'	1.85'	2.35'	2.85'	3.35'	4.35'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.70'	1.04'	1.35'	1.85'	2.35'	2.85'	3.35'	4.35'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.19'	0.21'	0.23'	0.25'	0.27'	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	-0.19'	-0.21'	-0.23'	-0.25'	-0.27'	-0.30'	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.65'

RADIUS RAMP DRIVES (P=9.0' & GREATER)

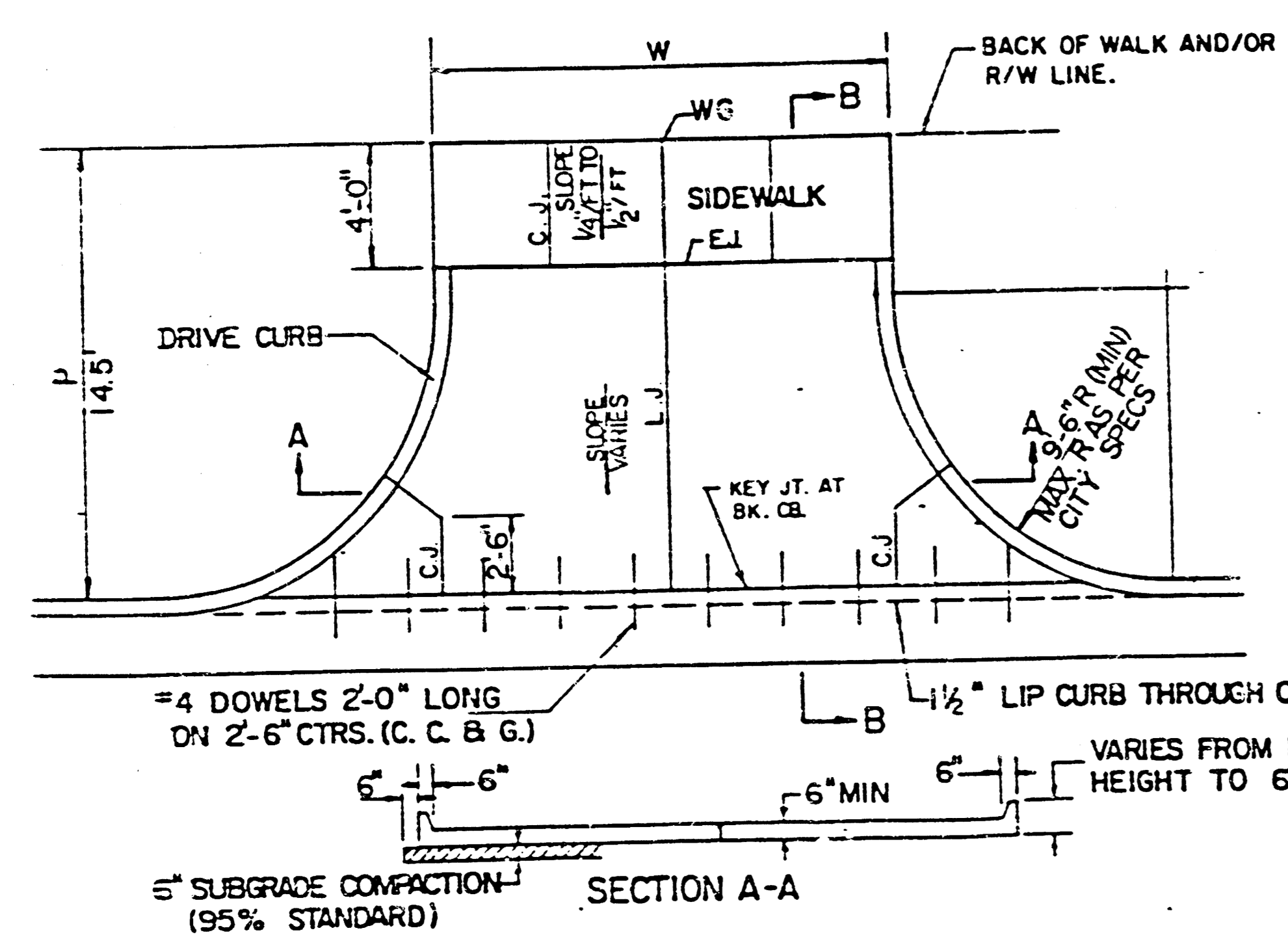


BACK OF CURB DETAIL SECTION B-B (NO SCALE)



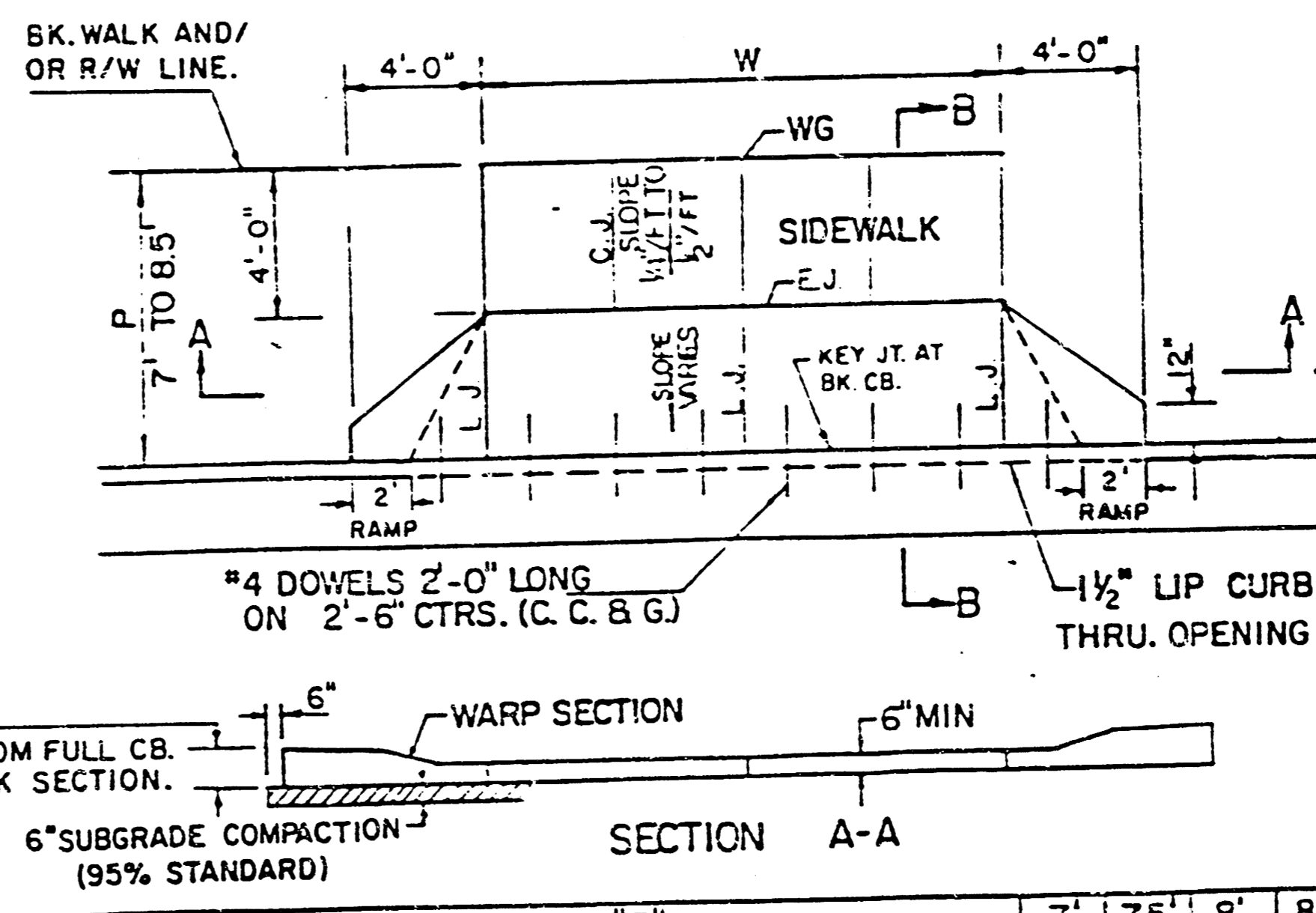
PARKING WIDTH "P"	4'	4.5'	5'	5.5'	6'	6.5'
DIST. OF PT. "T" ABOVE TOP OF FULL CB.	0.08'	0.09'	0.10'	0.12'	0.13'	0.14'
DIST. OF PT. "2" BELOW TOP OF FULL CB.	-0.26'	-0.24'	-0.22'	-0.20'	-0.18'	-0.16'

FULL RAMP DRIVE (P=4.0' TO 6.5')



PARKING WIDTH "P"	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	4.35'	5.35'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.70'	1.04'	1.35'	1.85'	2.35'	2.85'	3.35'	4.35'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

FULL RADIUS DRIVES (P=14.5' & GREATER)



PARKING WIDTH "P"	7'	7.5'	8'	8.5'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.15'	0.16'	0.17'	0.17'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	-0.25'	-0.20'	-0.20'	-0.20'

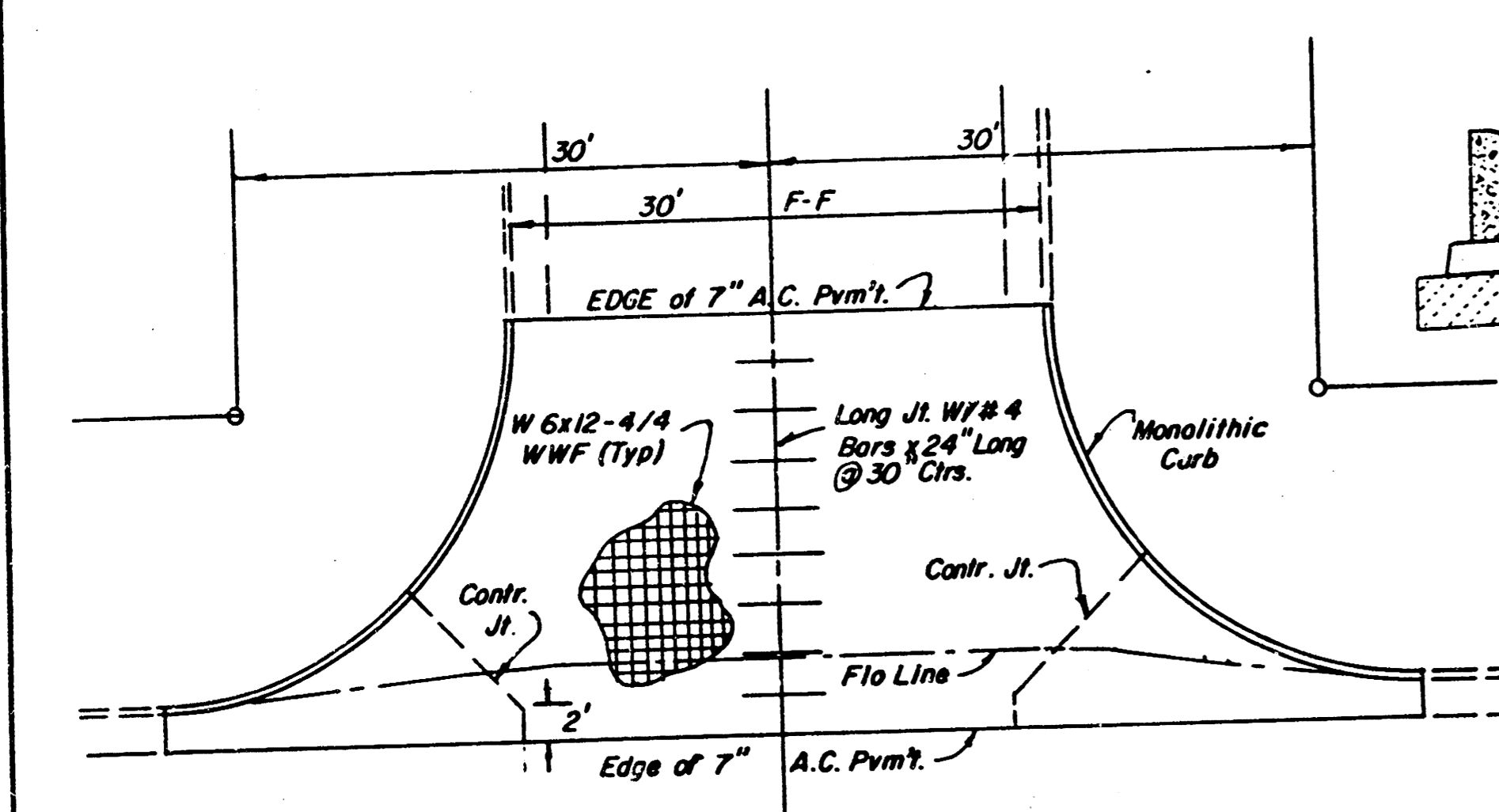
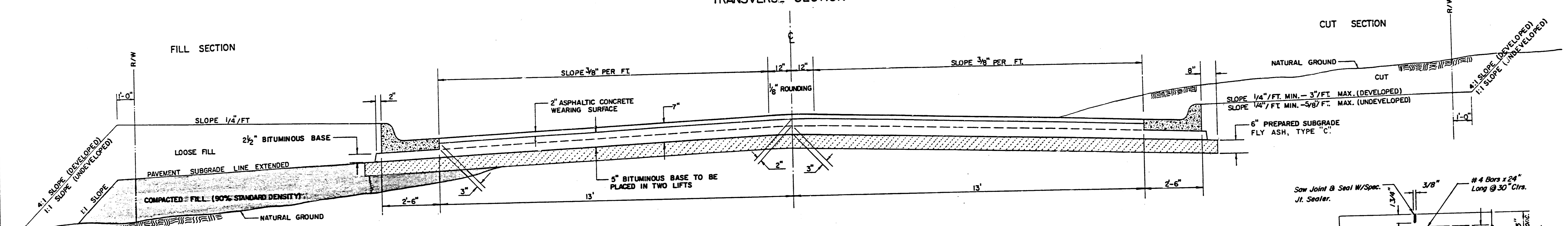
FULL RAMP DRIVE (P=7.0' TO 8.5')

- GENERAL NOTES**
- DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
 - ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "P" DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A "P" DIMENSION GREATER THAN 24'.
 - DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIIUS TYPE DRIVES WITH CURBS THROUGH THE RADIIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
 - CONSTRUCTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
 - DOWEL BARS SHALL BE OMITTED FROM THE KEYS CONSTRUCTION JOINT ALONG THE BACK OF THE STREET CURB LINE WHEN DRIVEWAYS ARE CONSTRUCTED IN CONJUNCTION WITH NEW CONCRETE PAVEMENT CONSTRUCTION.
 - ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
 - ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRUCTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
 - ALL DRIVEWAYS SHALL BE A MINIMUM OF 6" IN THICKNESS AND SHALL BE WITHOUT REINFORCEMENT. DRIVEWAYS MAY BE CONSTRUCTED THICKER THAN 6" AND THEY MAY BE REINFORCED WITH 6"x12" #4-W4 WELDED WIRE FABRIC WHEN PROPERLY AUTHORIZED BY THE PROPERTY OWNER WITH THE ENGINEER'S CONCURRENCE.
 - OPTIMUM DRIVEWAY ELEVATIONS SHOWN IN THE TABLES ARE TO BE USED WHEREVER POSSIBLE. ABSOLUTE MAXIMUM AND MINIMUM ELEVATIONS ARE TO BE USED ONLY WHEN THESE VALUES WILL PERMIT NEW CONSTRUCTION TO MATCH EXISTING DRIVES OR PARKING LOTS. VALUES SHOWN IN THE TABLES ARE BASED ON A FULL CURB HEIGHT ELEVATION OF 0.55' ABOVE THE GUTTER FLOW LINE AND MUST BE ADJUSTED ACCORDINGLY FOR OTHER CURB HEIGHTS. VALUES SHOWN IN THE TABLES WITH MINUS SIGNS INDICATE ELEVATIONS BELOW TOP OF FULL HEIGHT CURB.

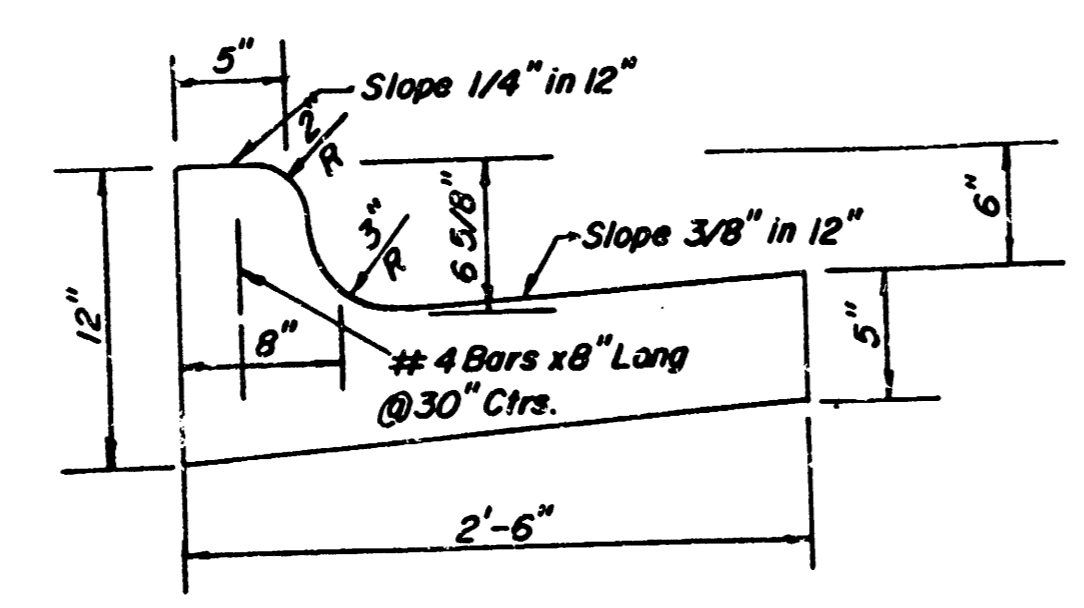
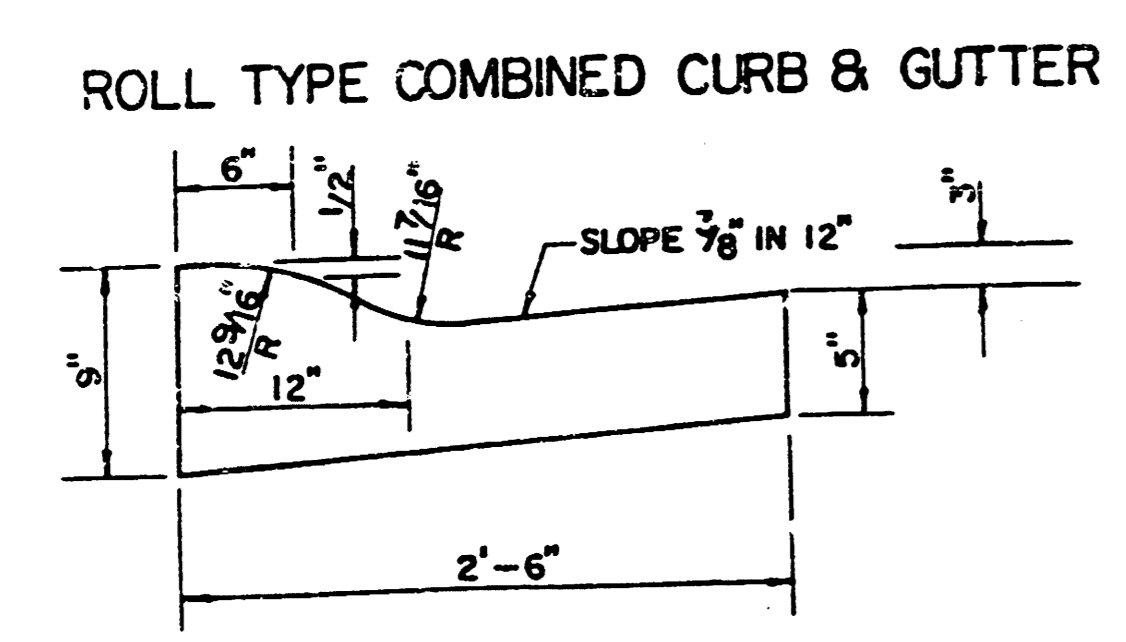
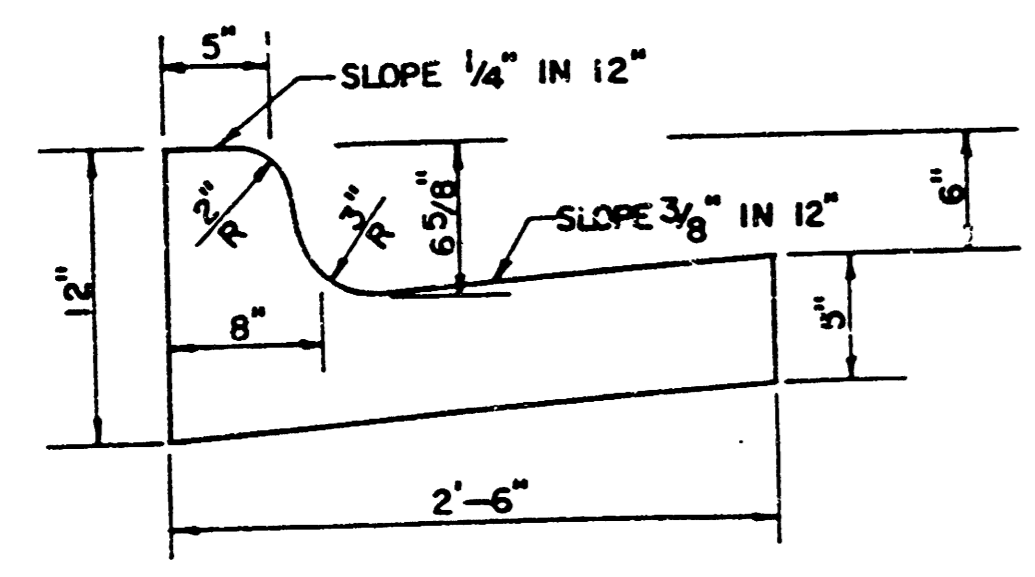
SCALE: 1"=5'
STANDARD DRIVE ENTRANCES
FULL HEIGHT CURB
CITY OF WICHITA, KANSAS

TYPICAL 3' PAVEMENT DETAILS

TRANSVERSE SECTION

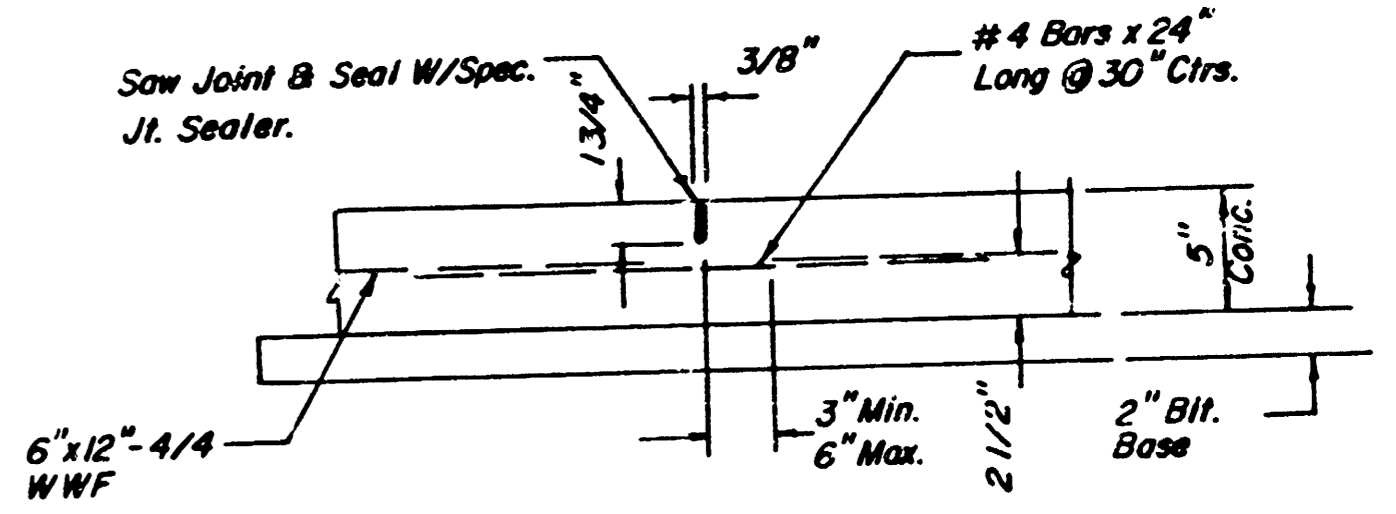


VALLEY GUTTER DETAIL
COMBINED CURB & GUTTER

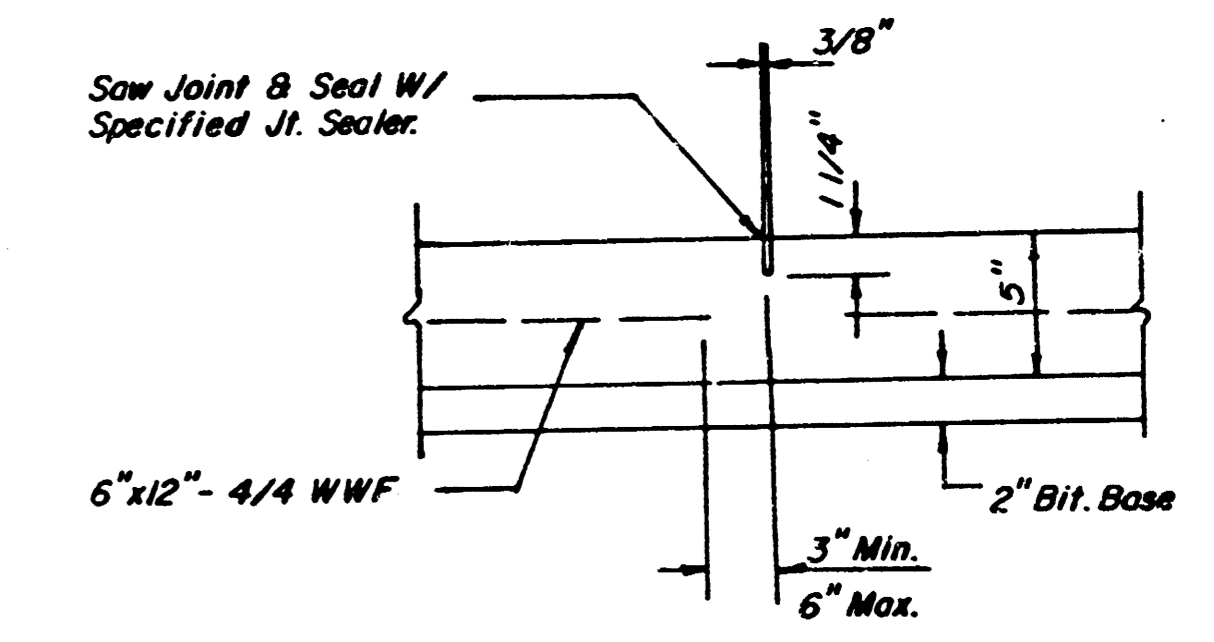


MONOLITHIC CURB
FOR CONCRETE VALLEY GUTTER

	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

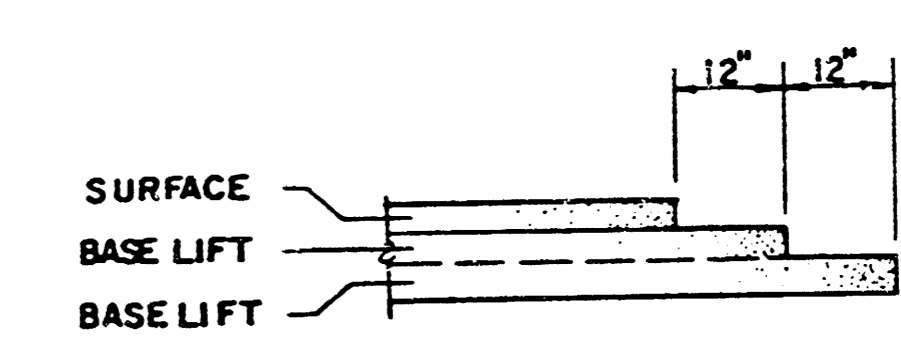


LONGITUDINAL SAWED JOINT
FOR CONCRETE VALLEY GUTTER



CONTRACTION JOINT
FOR CONCRETE VALLEY GUTTER

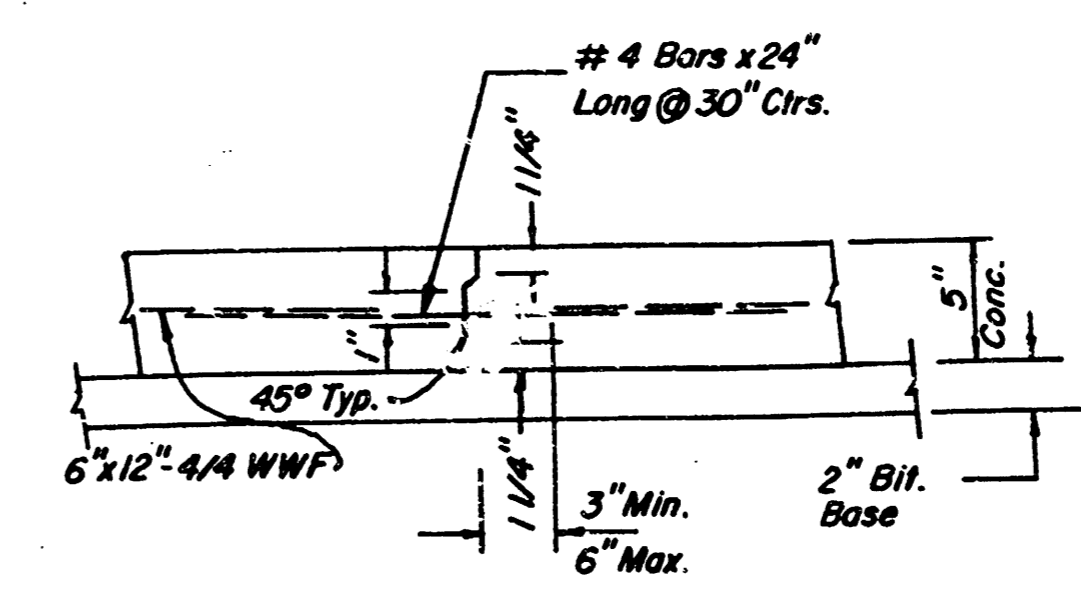
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS 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 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

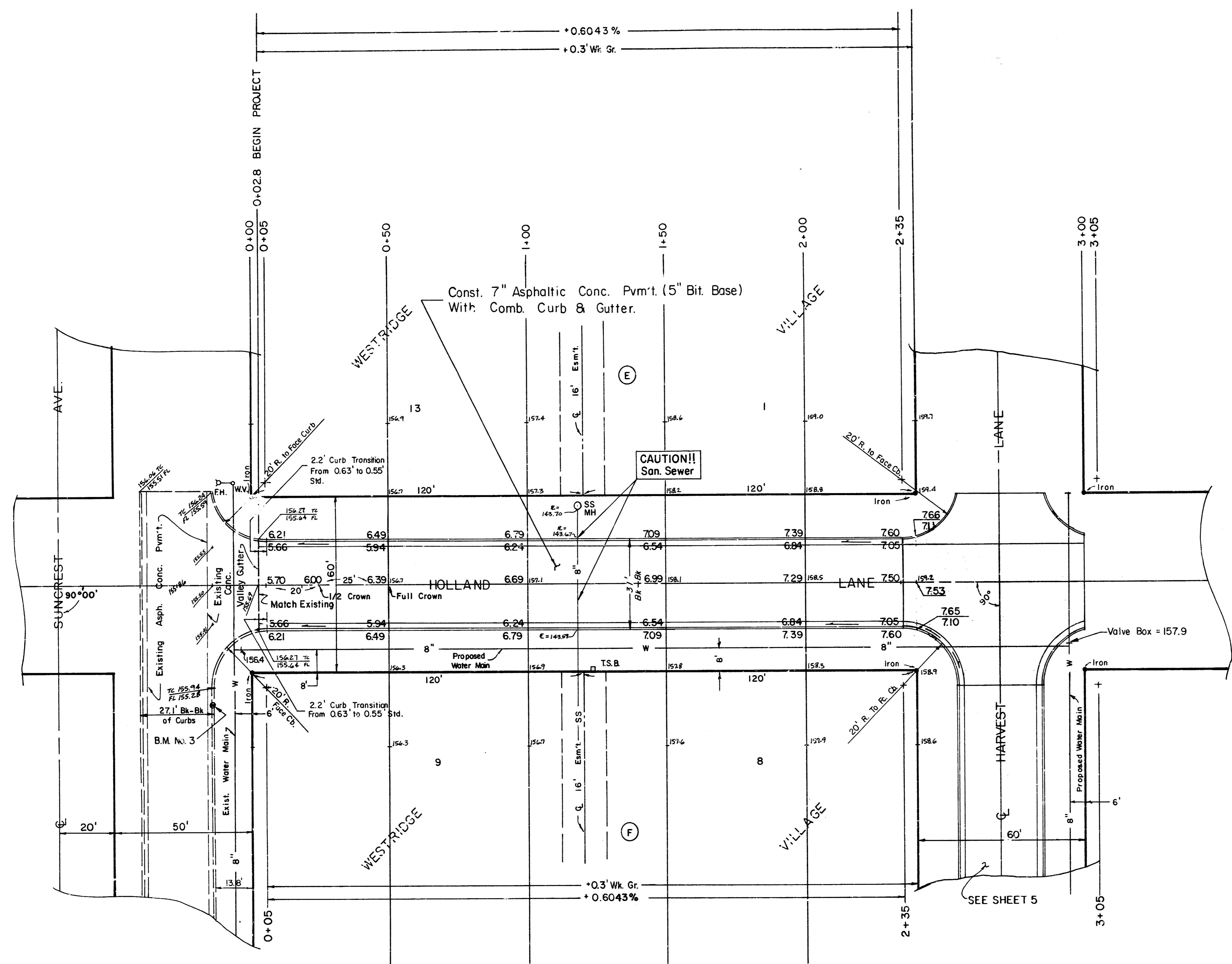
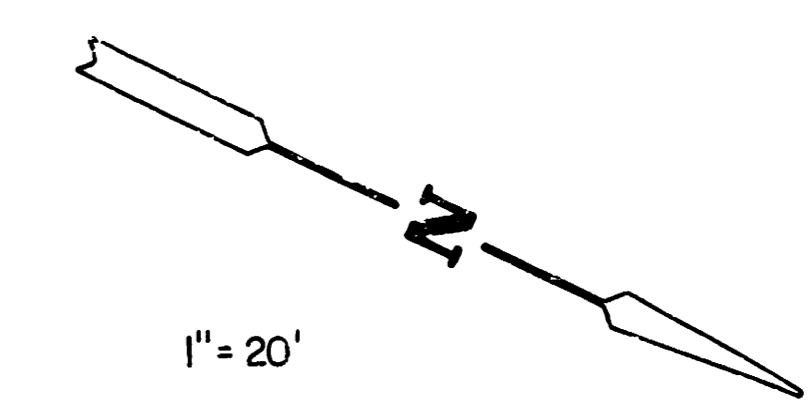
GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" 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.



LONGITUDINAL CONSTRUCTION JOINT
FOR CONCRETE VALLEY GUTTER

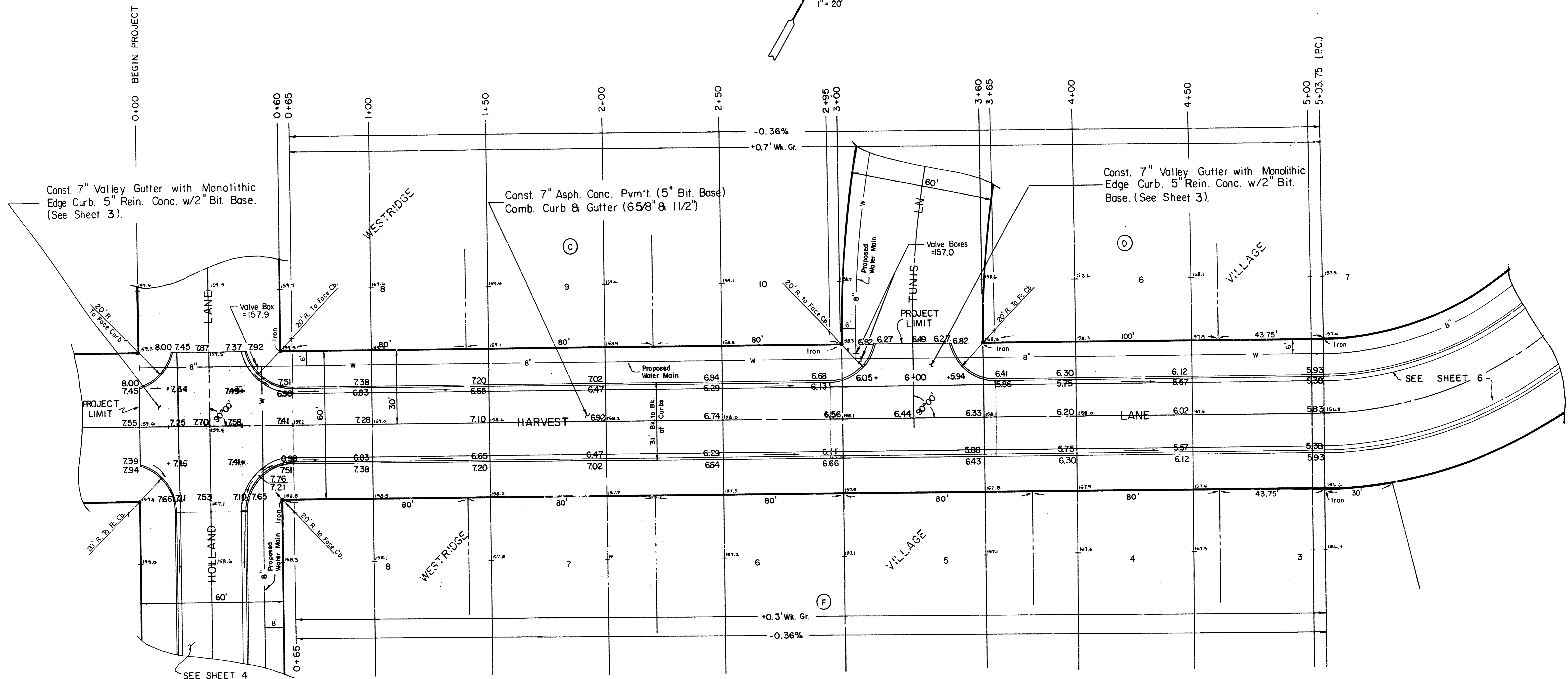
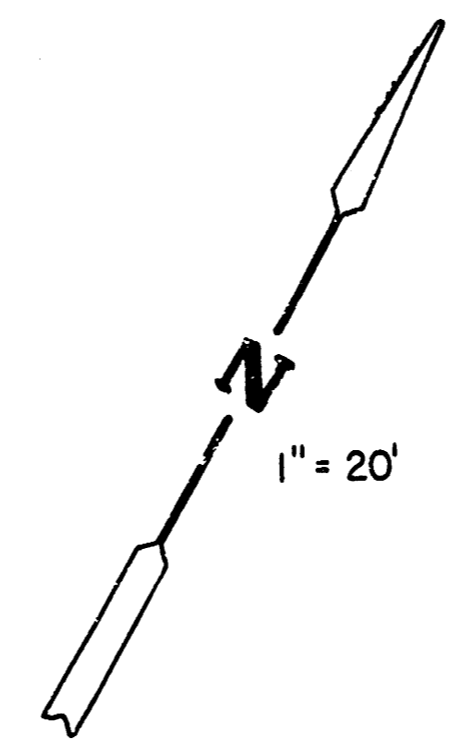
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER



EXCAVATION
 X-Section 4338.46 Cu. Yds.
 10% 433.84 Cu. Yds.
 Total 4772.30 Cu. Yds.

4,816.0 Sq. Yds Manipulation.

HOLLAND LANE	
From The North Line Of Suncrest Ave., To The South Line Of Harvest Lane.	
Project No. 472-76-245-81665-000-000-001	
City of Wichita, Ks	
MOEHRING & ASSOCIATES CONSULTING ENGINEERS WICHITA	4/ 11 Sheet 4



Const. 7" Valley Gutter with Monolithic Edge Curb. 5" Rein. Conc. w/2" Bit. Base. (See Sheet 3).

Const. 7" Asph. Conc. Pvm't. (5" Bit. Base) Comb. Curb & Gutter (6 5/8" & 1 1/2")

Const. 7" Valley Gutter with Monolithic Edge Curb. 5" Rein. Conc. w/2" Bit. Base. (See Sheet 3).

PROJECT LIMIT

PROJECT LIMIT

SEE SHEET 6

SEE SHEET 4

INTERSECTION QUANTITIES

_____ S.Y. _____	" Concrete Pavement
<u>274.4</u> S.Y.	<u>7</u> " Asphaltic Conc. Pavement (<u>5</u> " Bituminous Base)
<u>17.7</u> S.Y.	<u>2 1/2</u> " Bituminous Base
<u>57.8</u> L.F.	Combined Curb & Gutter
<u>47.7</u> L.F.	Monolithic Edge Curb
_____ S.F.	Wheelchair Ramp
_____ S.F.	4" Walk
<u>311.2</u> C.Y.	Excavation
_____ C.Y.	Compacted Fill
_____ Lbs.	Reinforcing Steel
<u>384.4</u> S.Y.	Manipulation
_____ Tons	Lime or Cement
<u>85.8</u> S.Y.	V.G. <u>5</u> " Concrete & <u>2</u> " Bituminous Base

INTERSECTION QUANTITIES

_____ S.Y.	" Concrete Pavement
<u>202.2</u> S.Y.	<u>7</u> " Asphaltic Conc. Pavement (<u>5</u> " Bituminous Base)
<u>20.8</u> S.Y.	<u>2 1/2</u> " Bituminous Base
<u>70.0</u> L.F.	Combined Curb & Gutter
<u>52.7</u> L.F.	Monolithic Edge Curb
_____ S.F.	Wheelchair Ramp
_____ S.F.	4" Walk
<u>318.9</u> C.Y.	Excavation
_____ C.Y.	Compacted Fill
_____ Lbs.	Reinforcing Steel
<u>317.9</u> S.Y.	Manipulation
_____ Tons	Lime or Cement
<u>87.30</u> S.Y.	V.G. <u>5</u> " Concrete & <u>2</u> " Bituminous Base

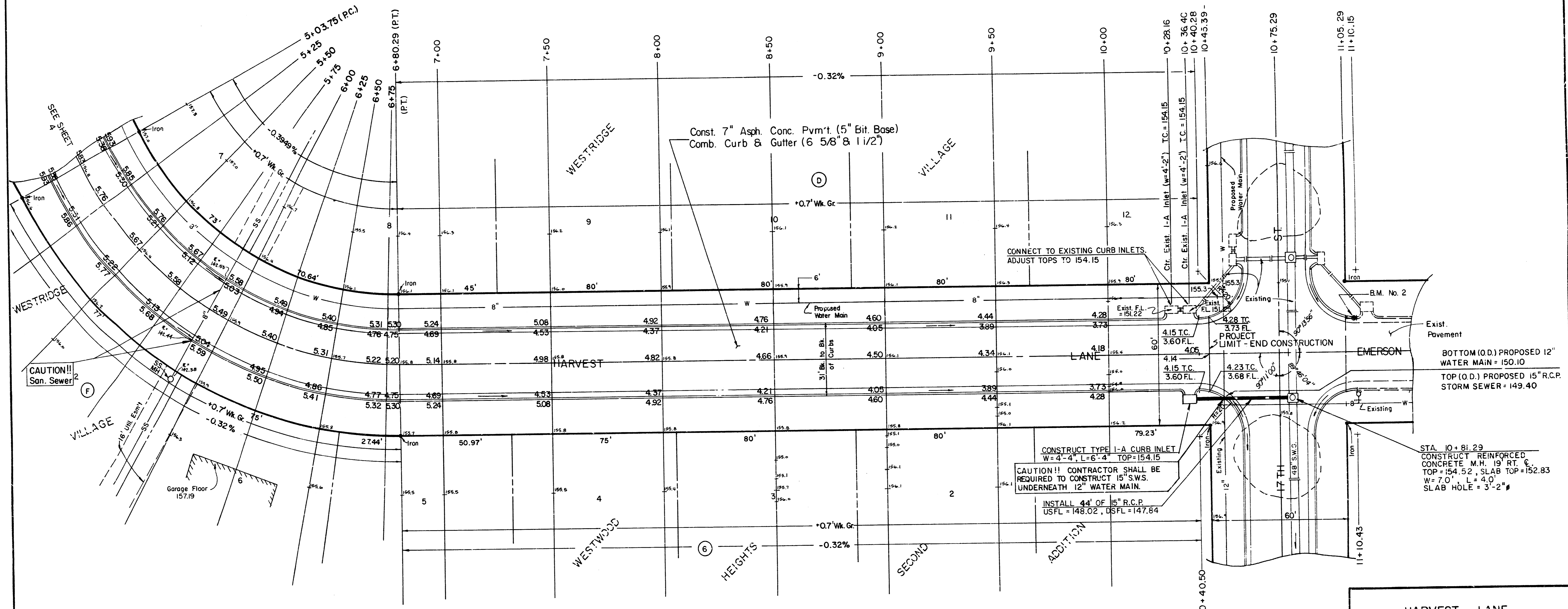
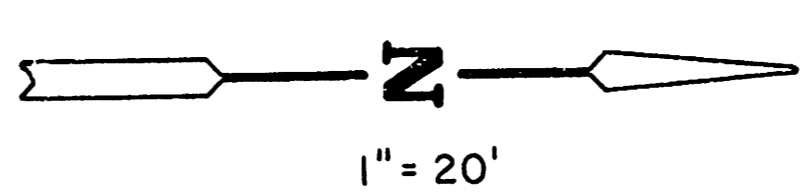
HARVEST LANE
From The West Line Of Holland Ln.
To The South Line Of 17TH Street N.
Project No.
472-76-245-81665-000-000-001.
City of Wichita, Ks.

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

5/11
Sheet 5

CURVE DATA BASED ON C

R = 160.98' Δ = 62°50' L = 176.54' LC = 167.82' Tan. = 98.33' Def./Fl. = 0.17795°					
CHORD LENGTHS					
Station	Arc.	8' Left of Face	8' Right of Face	Def. L.	Total Def. L.
5+03.75 P.C.	—	—	—	0°00'00"	0°00'00"
5+25	21.25'	18.20'	24.27'	3°46'54"	3°46'54"
5+50	25'	21.41'	28.54'	4°26'56"	8°13'50"
5+75	25'	21.41'	28.54'	4°26'56"	12°40'46"
6+00	25'	21.41'	28.54'	4°26'56"	17°07'42"
6+25	25'	21.41'	28.54'	4°26'56"	21°34'38"
6+50	25'	21.41'	28.54'	4°26'56"	26°01'34"
6+75	25'	21.41'	28.54'	4°26'56"	30°28'31"
6+80.29 P.T.	5.29	4.53'	6.04'	0°56'29"	31°25'00"



HARVEST LANE

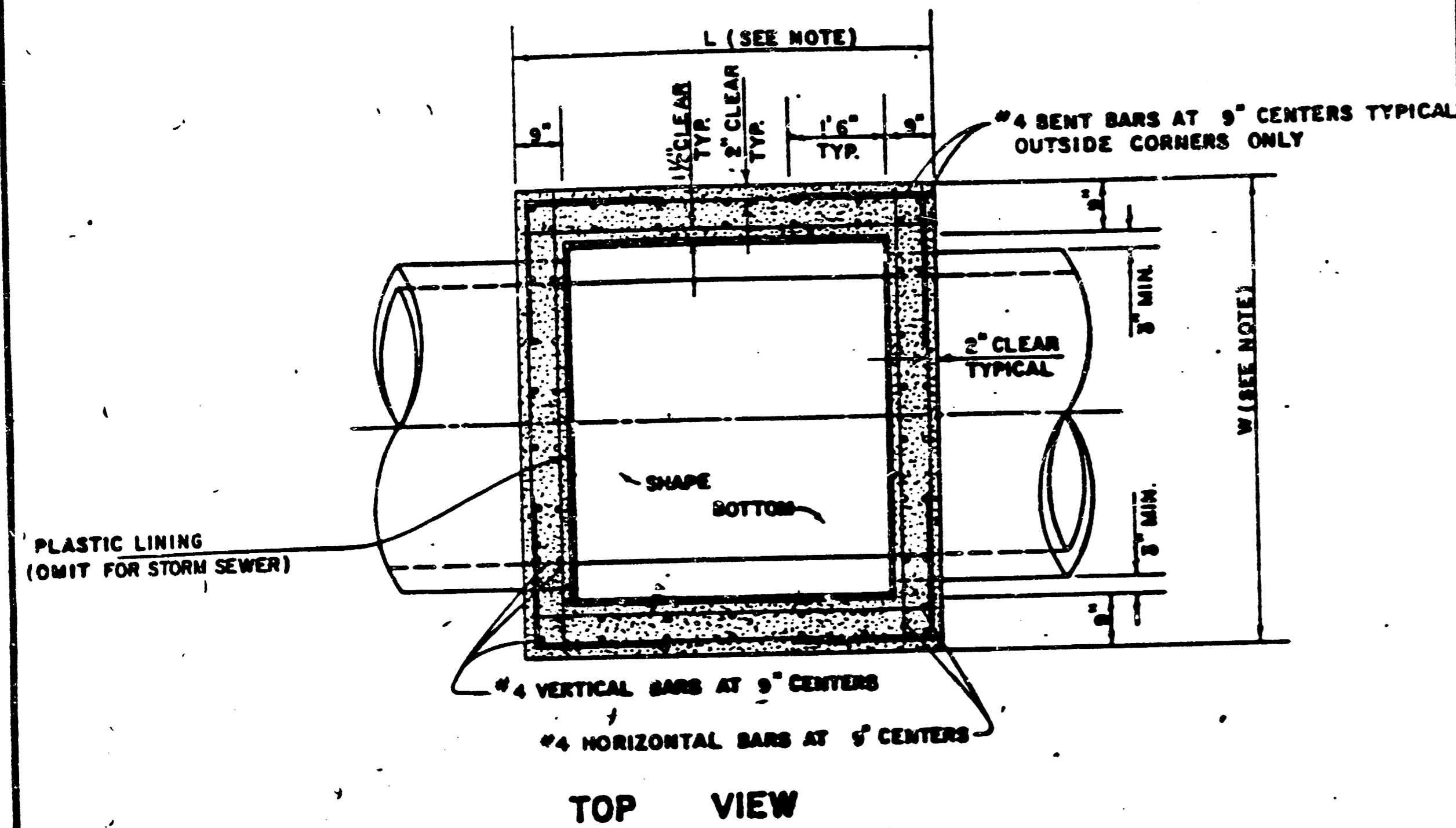
From The West Line Of Holland Ln.
To The South Line 17TH Street N.

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472-76-245-81665-000-001.

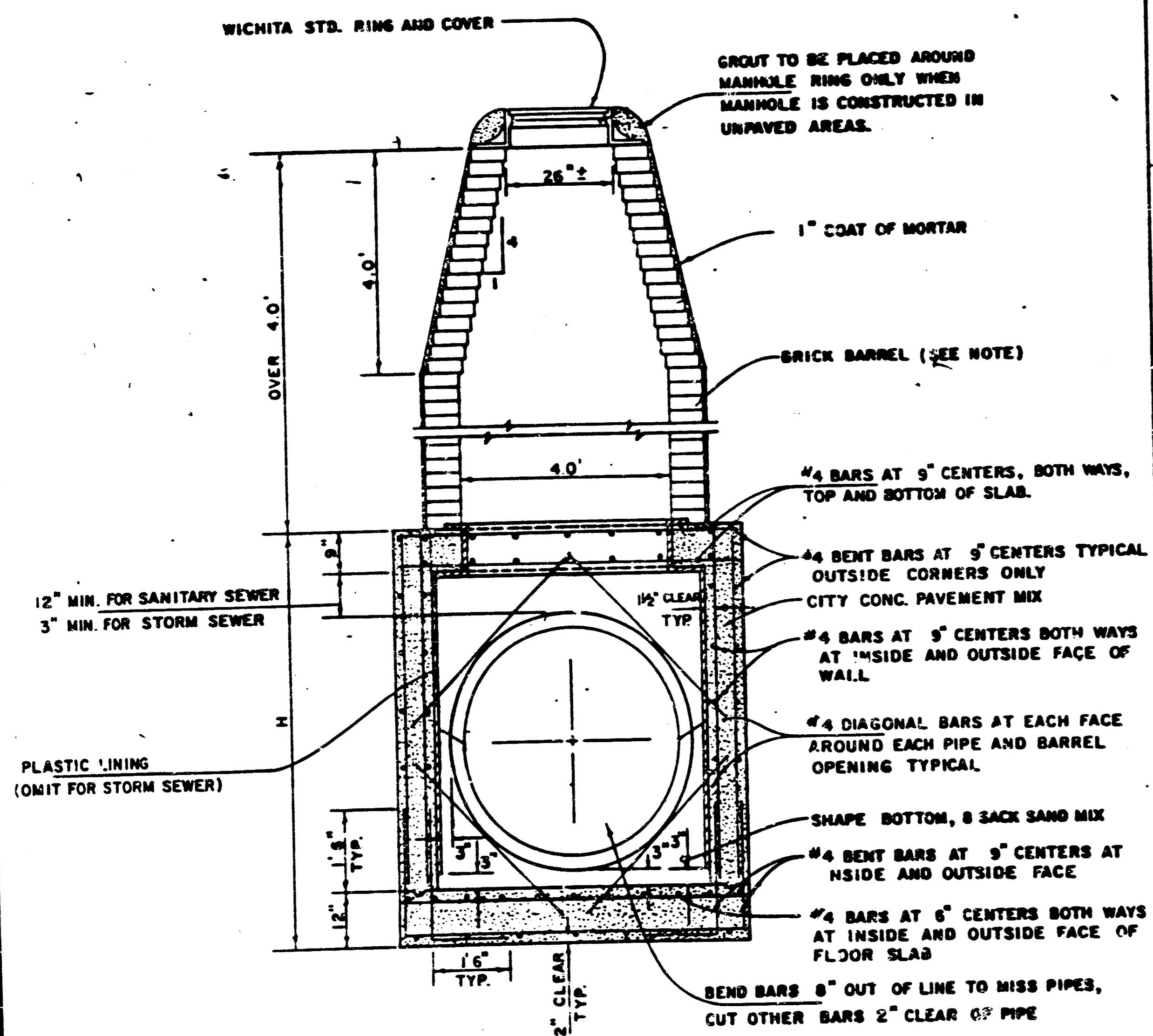
City of Wichita, Ks.

MOEHRING & ASSOCIATES
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WICHITA

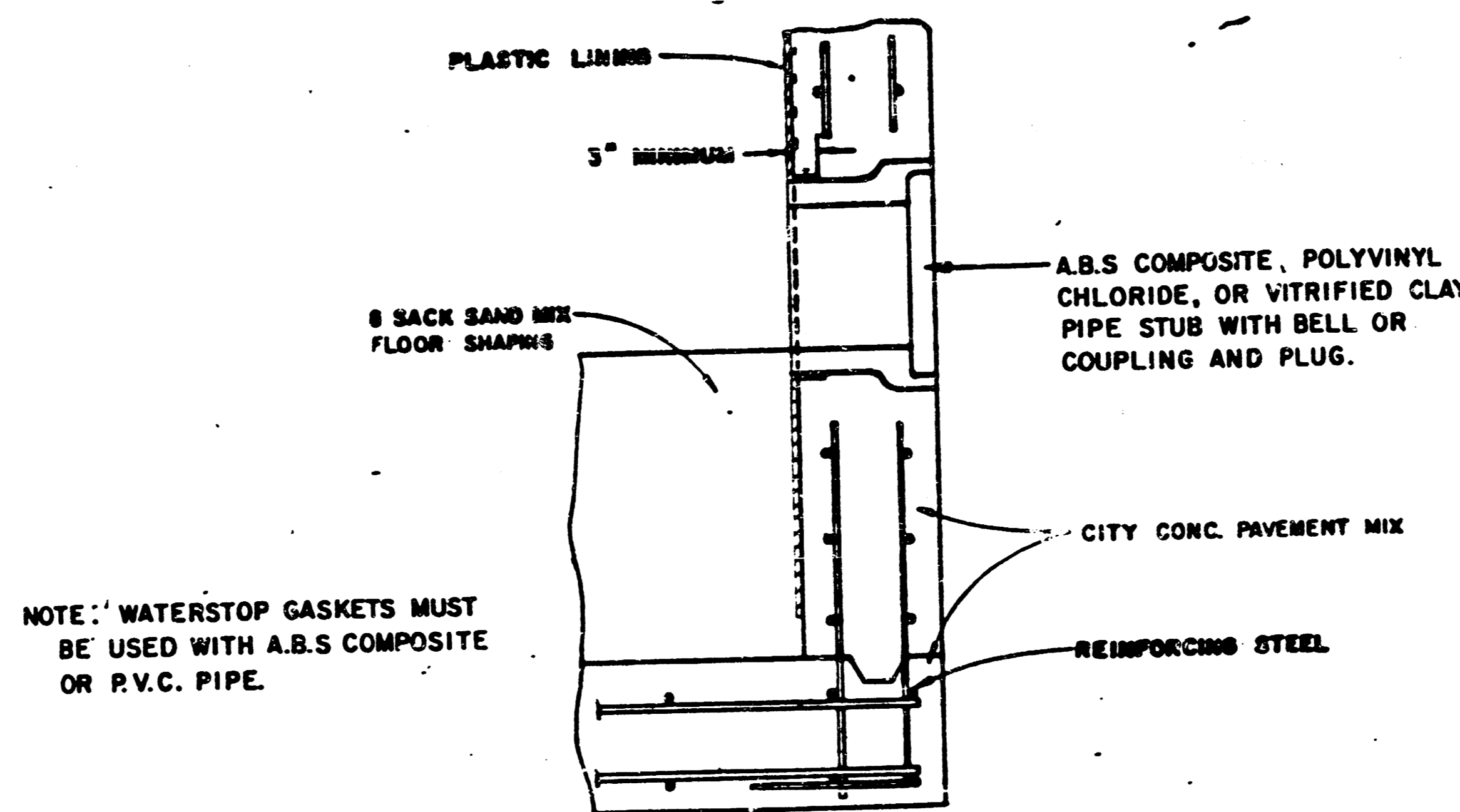
Sheet 6



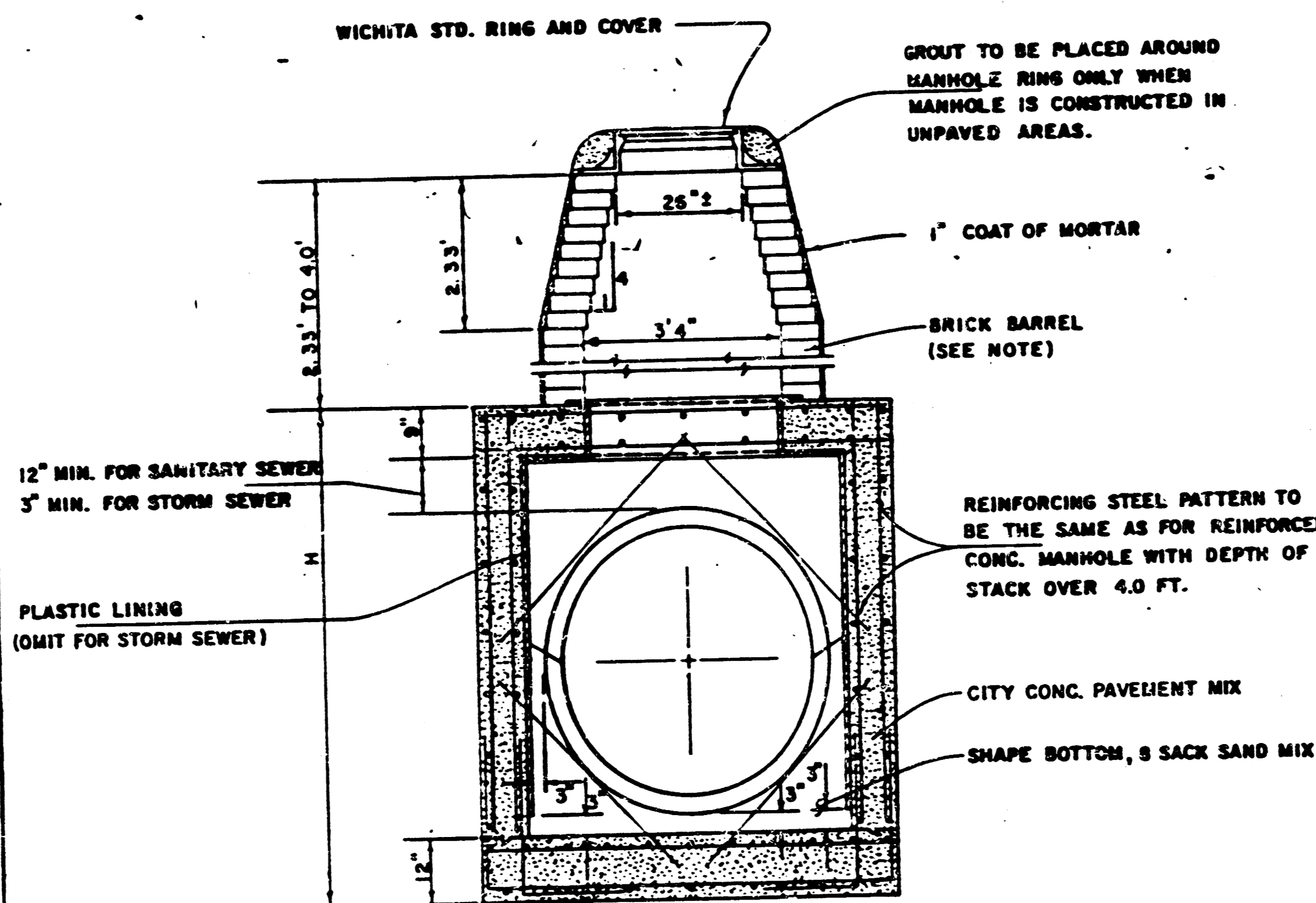
TOP VIEW



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'

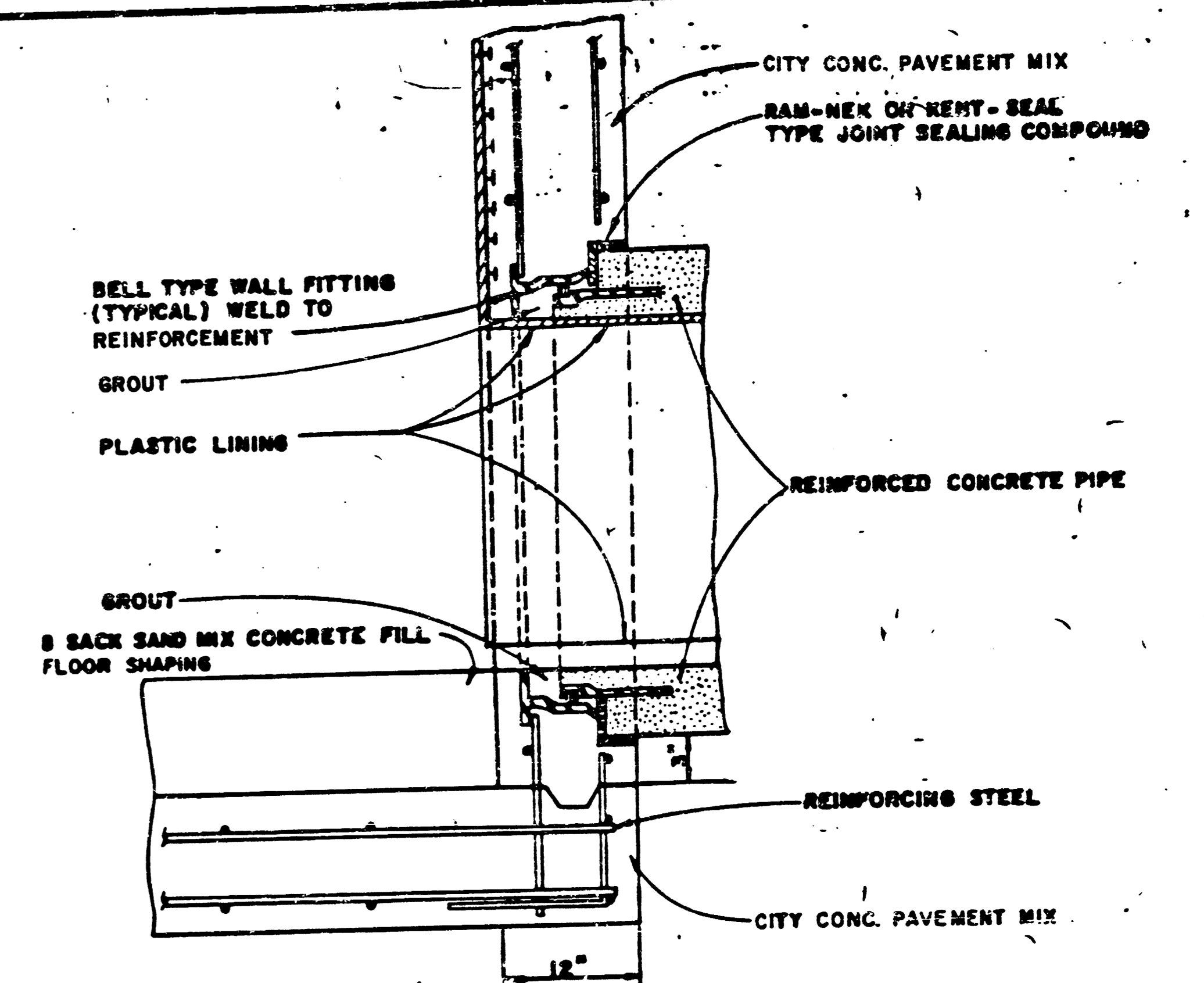


PIPE STUB DETAIL
SANITARY SEWER ONLY

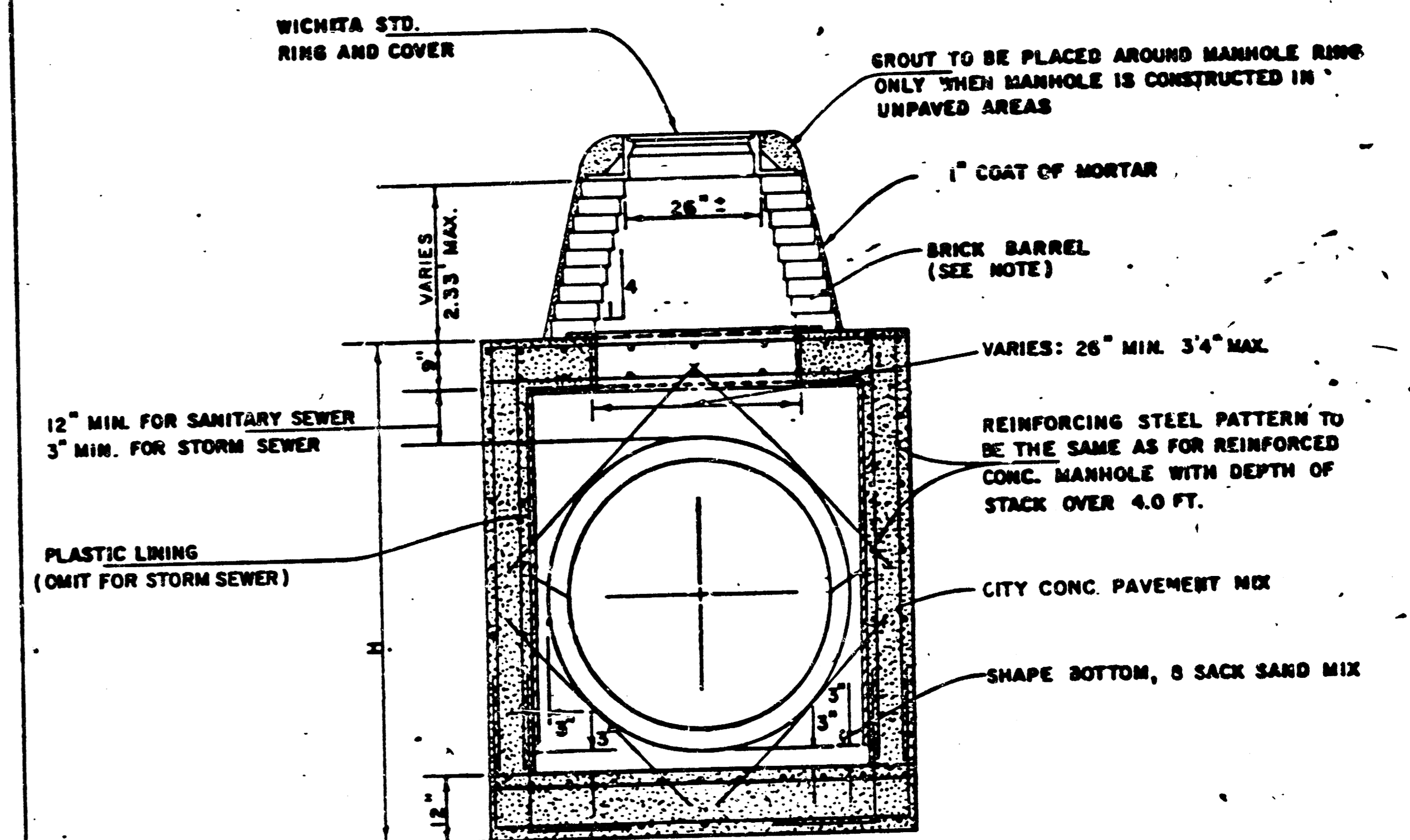


REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'

NOTE:
BRICK BARRELS LESS THAN 16' DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12". BRICK BARRELS MORE THAN 16' DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK BARRELS WITH 12" WALLS WHEN THE BRICK BARRELS ARE OVER 4 FT. IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATERTIGHT.



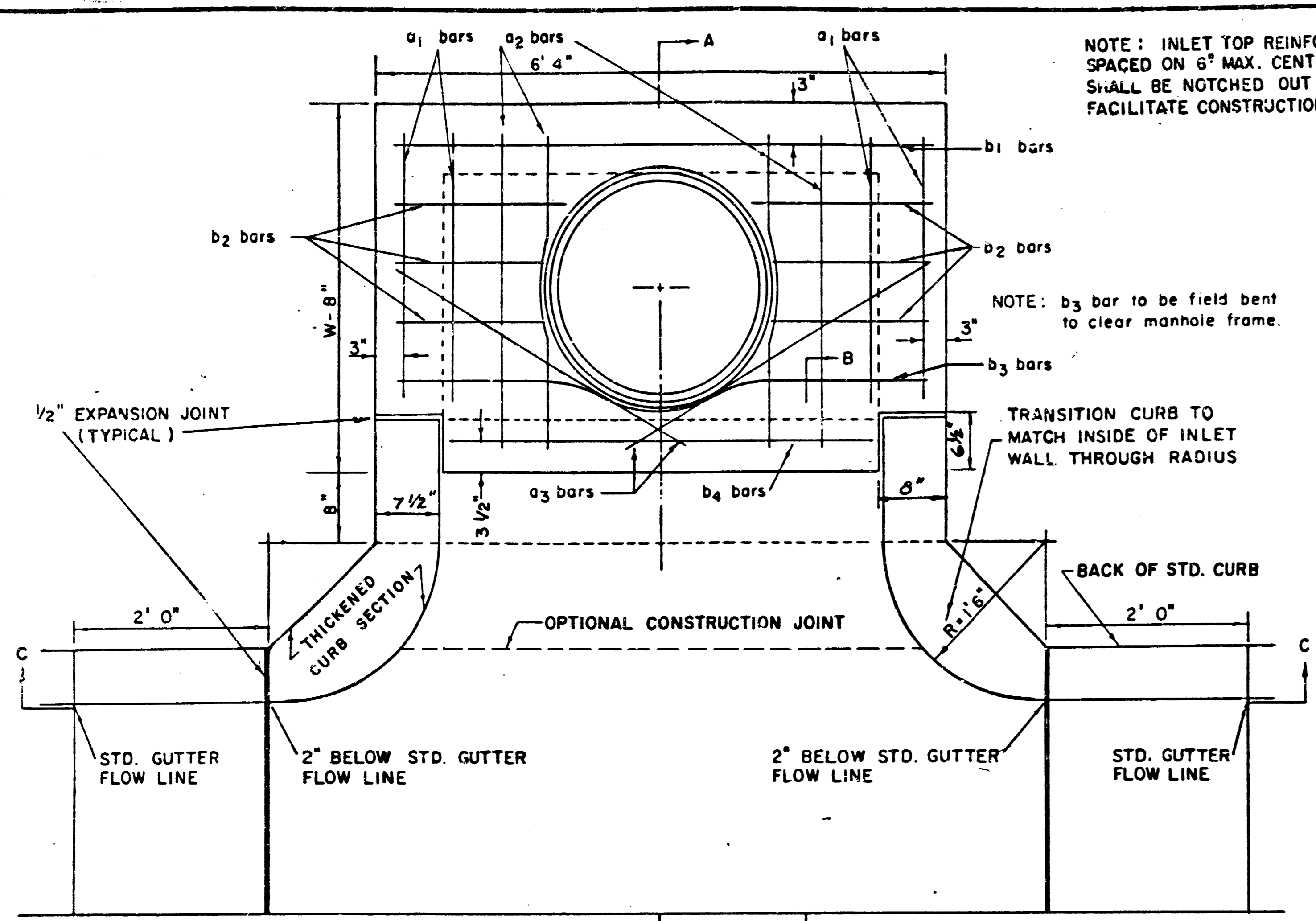
R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



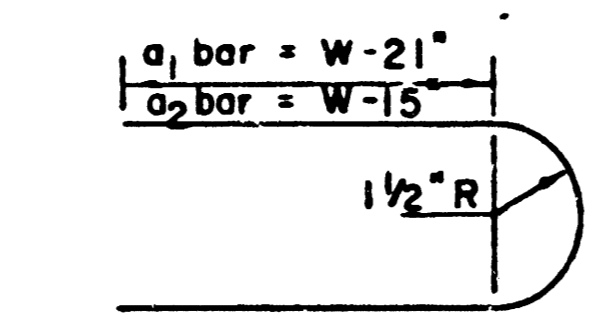
REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'
SCALE 1" = 2'

REVISED 1-7-85

STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA
FEBRUARY 1984



PLAN



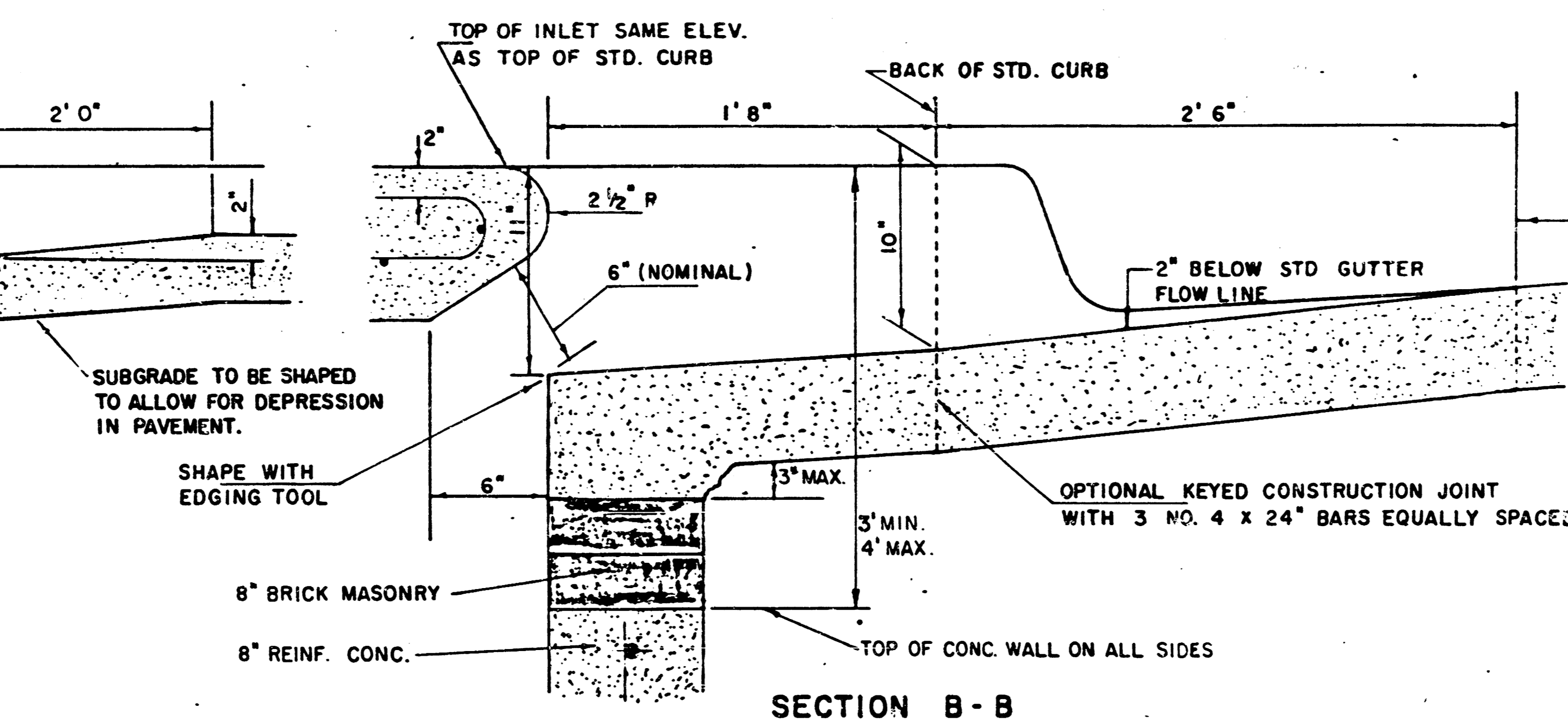
BENDING DIAGRAM

STEEL SCHEDULE

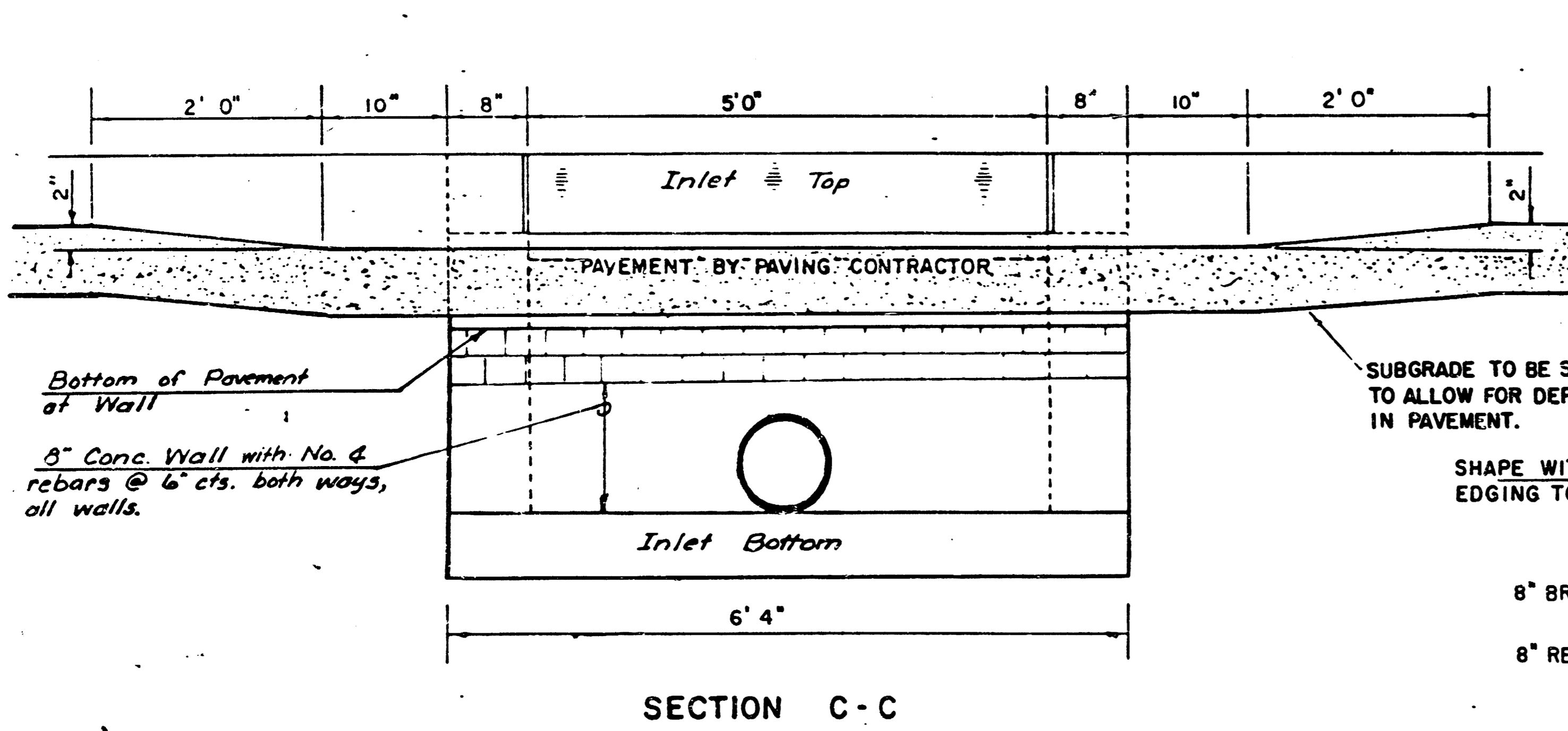
BAR NUMBER	a1	a2	a3	b1							b2	b3	b4	WT. LBS.
				W=4'4"	W=5'4"	W=6'4"	W=7'4"	W=8'4"	W=9'4"	W=10'4"				
4	4	2	1	3	5	7	9	6	1	1				
SIZE	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*6			
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	-	1'9"	6'2"	4'8"	60±		
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	-	1'9"	6'2"	4'8"	81±		
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	-	1'9"	6'2"	4'8"	101±		
W=7'4"	11'7"	12'7"	7'0"	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: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

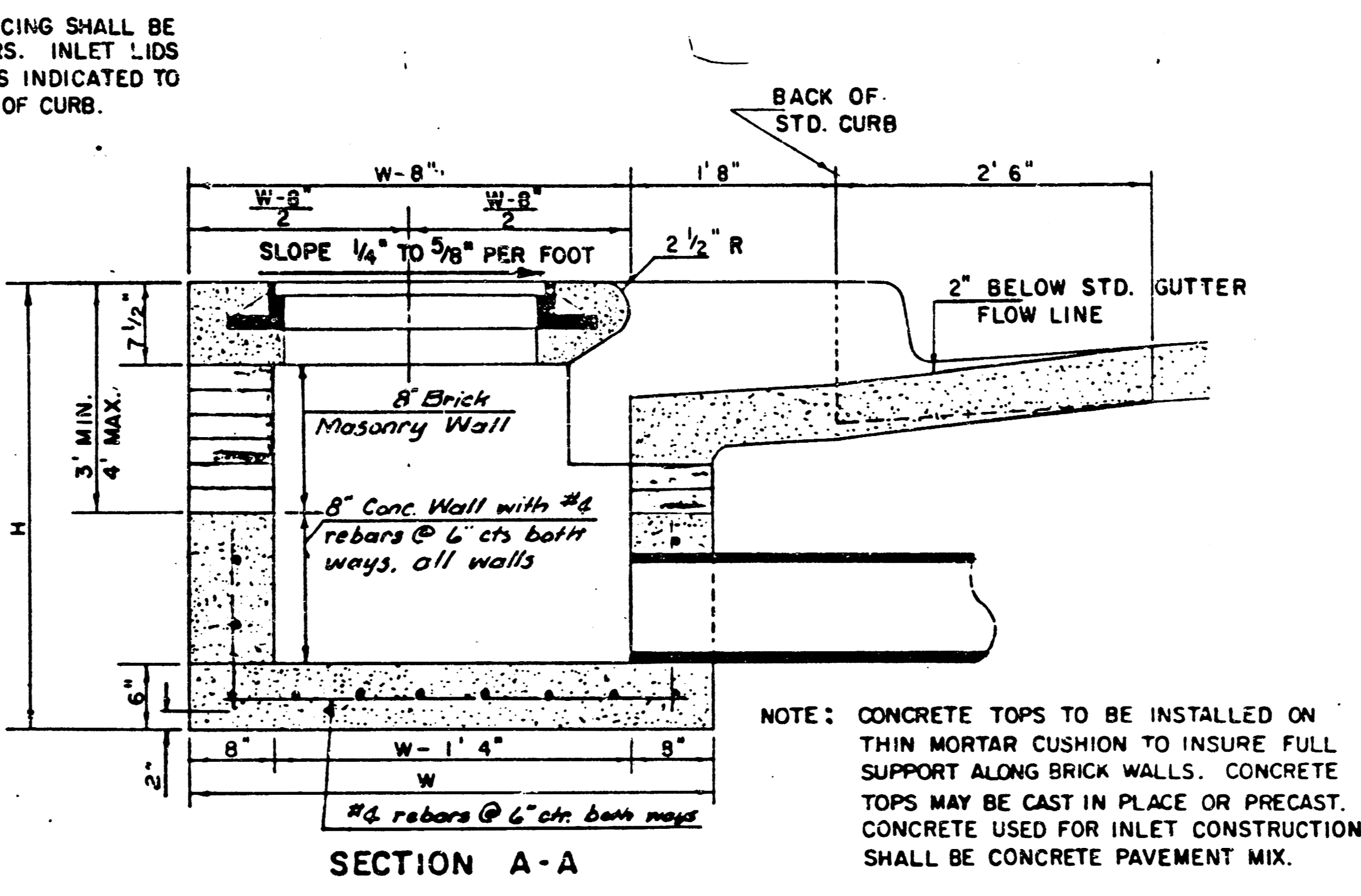
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3' 6" x 6' 4" x 7 1/2"	21" Ø SMALLER	0.38 ±
5' 4"	4' 6" x 6' 4" x 7 1/2"	24" Ø 30"	0.51 ±
6' 4"	5' 6" x 6' 4" x 7 1/2"	36" Ø 42"	0.64 ±
7' 4"	6' 6" x 6' 4" x 7 1/2"	48" Ø 54"	0.77 ±
8' 4"	7' 6" x 6' 4" x 7 1/2"	60"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



SECTION B - B



SECTION C - C



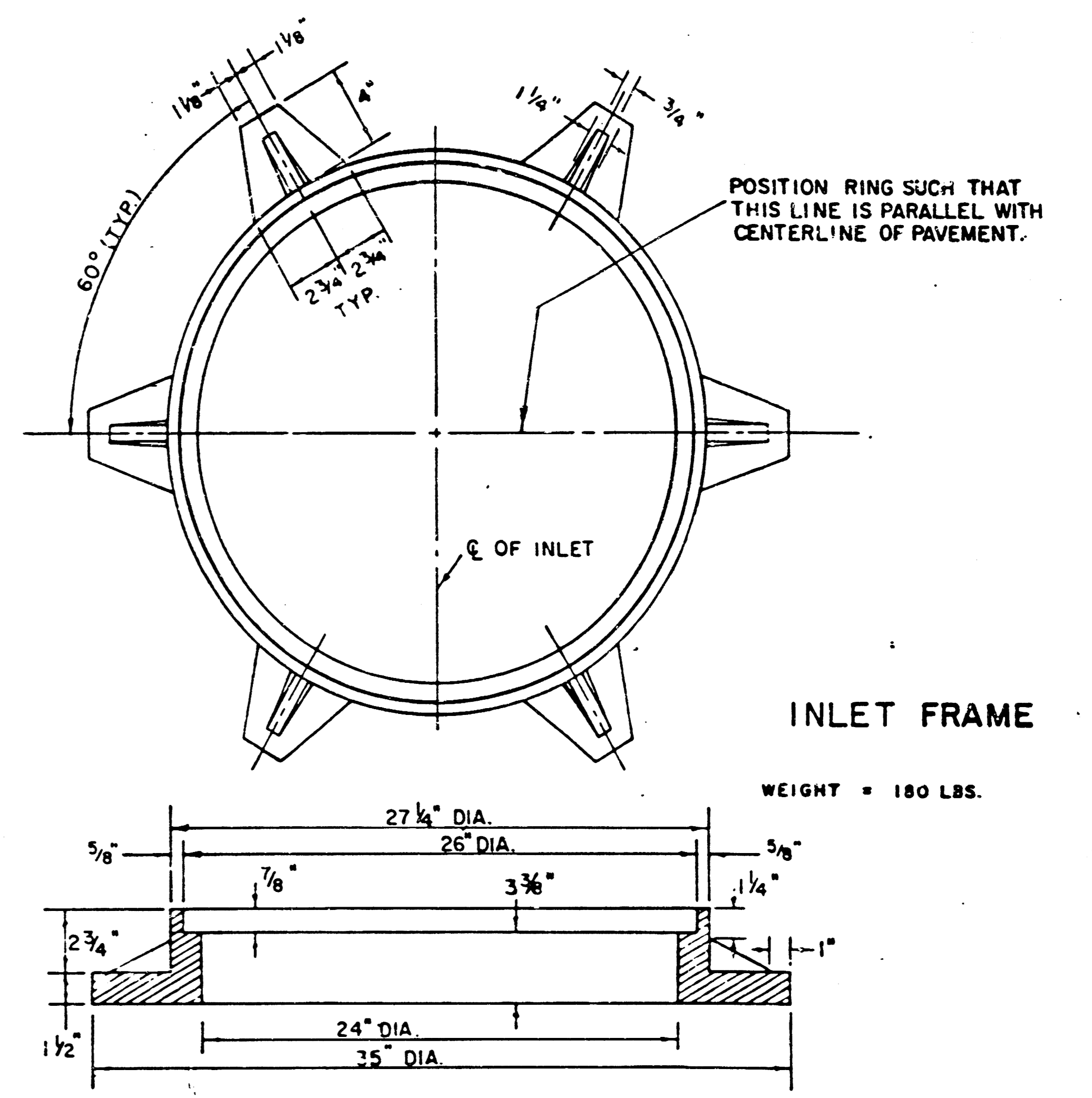
SECTION A - A

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.



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.

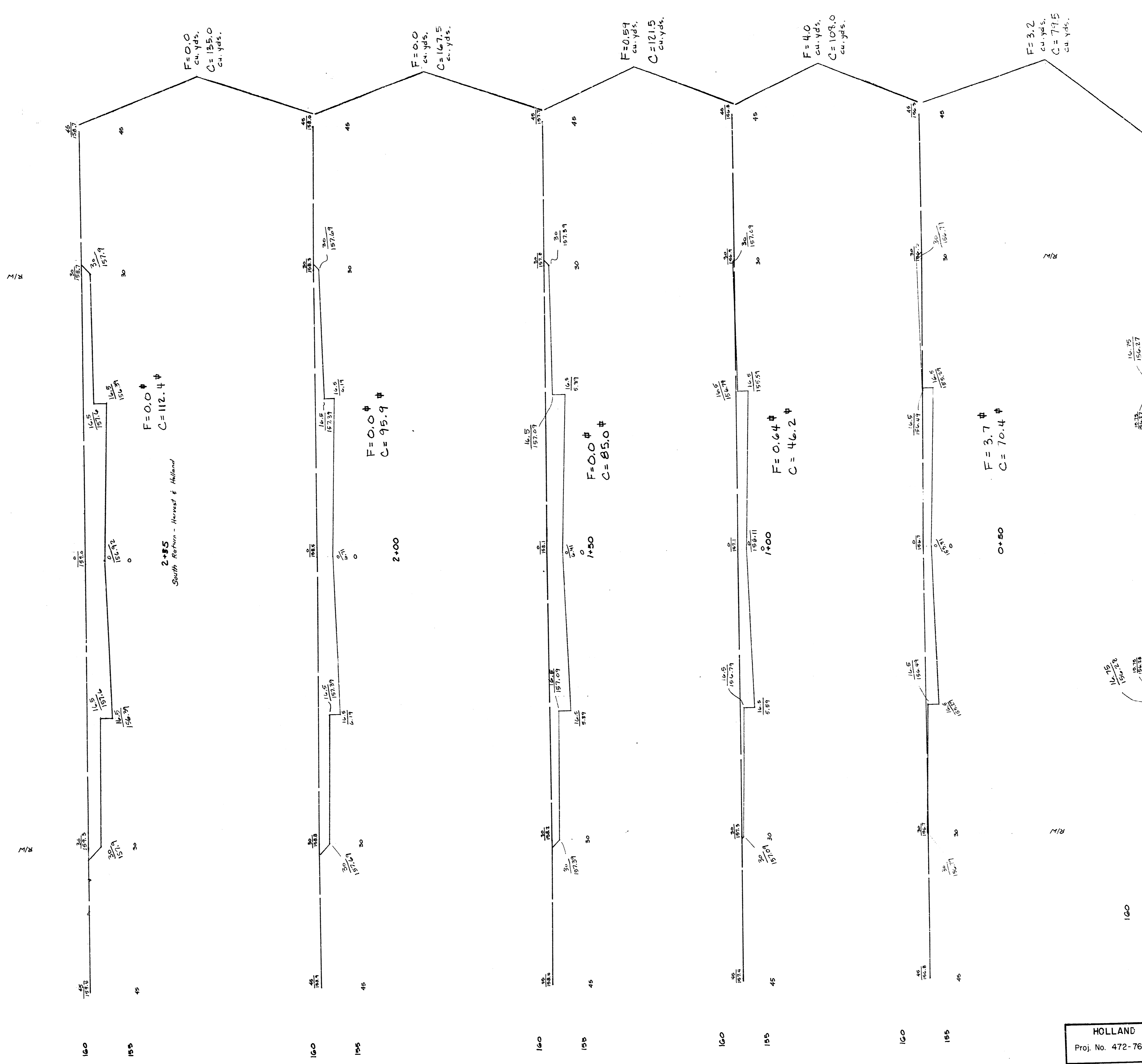
REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET

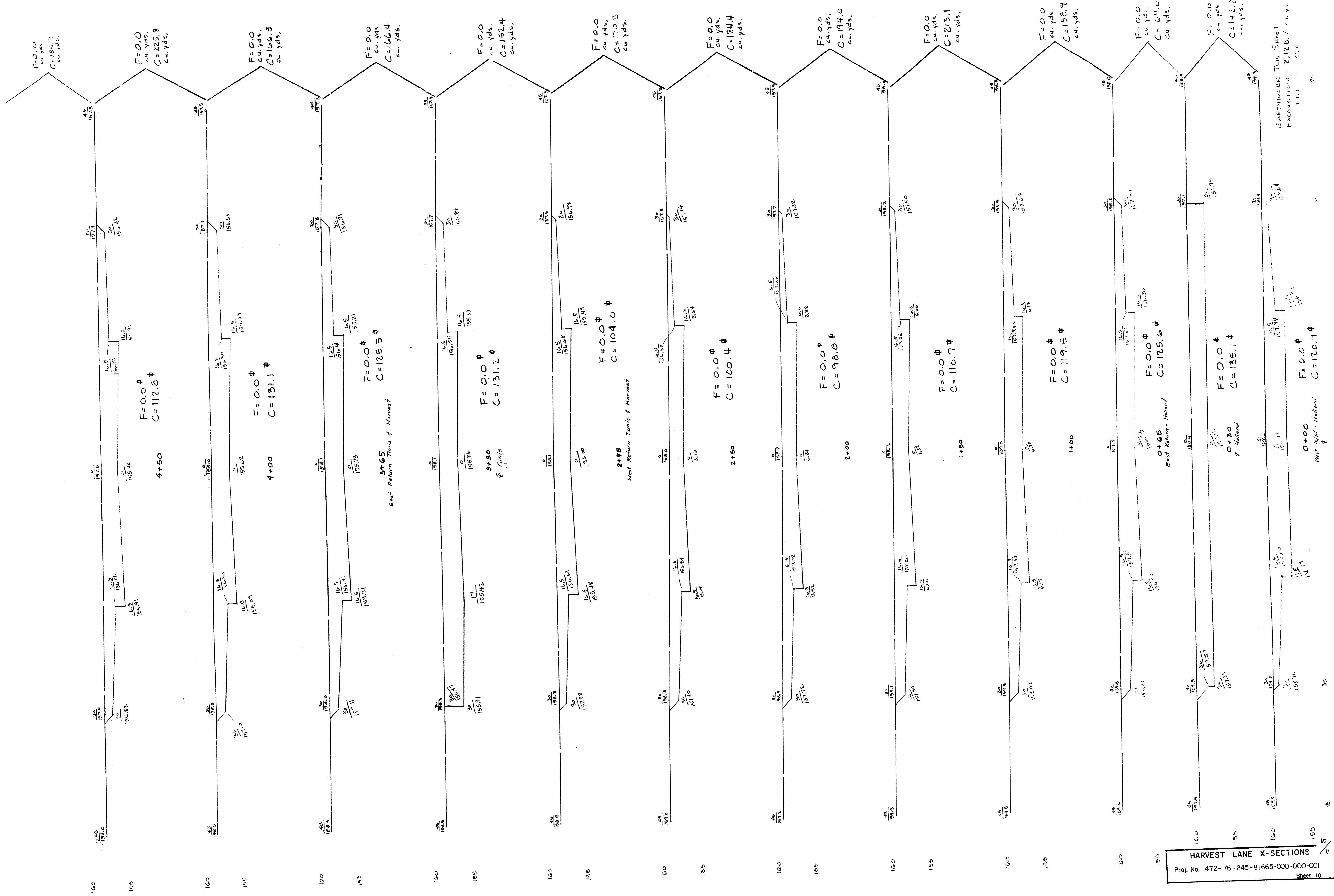
CITY OF WICHITA, KANSAS

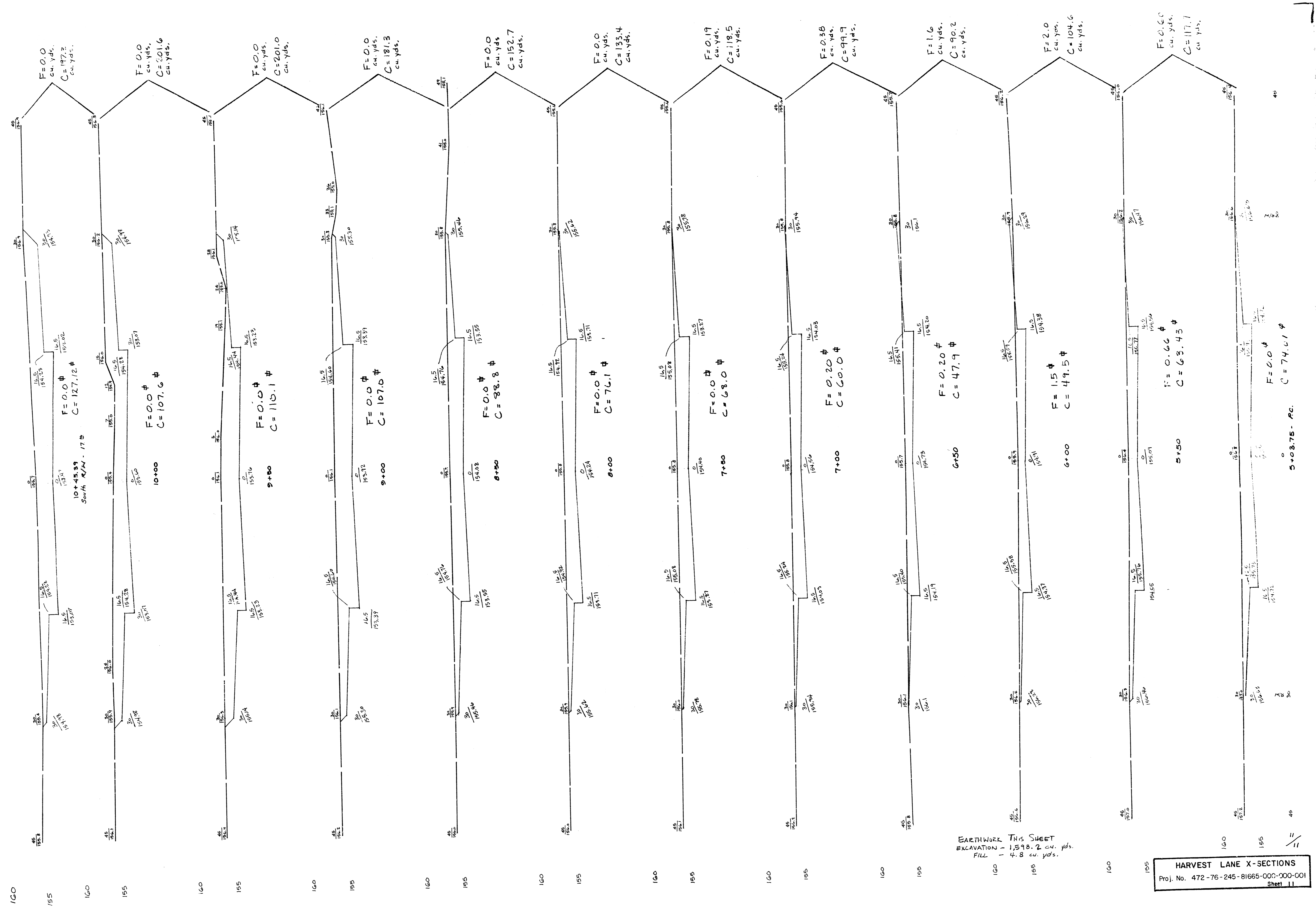
INLET OPENING = 6" x 5' 0"

JUNE 1984



LAUNCHING THIS SHEET
 EXAMINATION - 6/11/5
 1111





F=0.0
cu. yds.
C=197.2
cu. yds.

F=0.0
cu. yds.
C=201.6
cu. yds.

F=0.0
cu. yds.
C=201.0
cu. yds.

F=0.0
cu. yds.
C=181.3
cu. yds.

F=0.0
cu. yds.
C=152.7
cu. yds.

F=0.0
cu. yds.
C=133.4
cu. yds.

F=0.19
cu. yds.
C=118.5
cu. yds.

F=0.38
cu. yds.
C=99.9
cu. yds.

F=1.6
cu. yds.
C=90.2
cu. yds.

F=2.0
cu. yds.
C=104.6
cu. yds.

F=0.60
cu. yds.
C=117.1
cu. yds.

F=0.0
C=127.12
10+43.39
South R/W - 17 ft

F=0.0
C=107.6
10+00

F=0.0
C=110.1
9+50

F=0.0
C=107.0
9+00

F=0.0
C=88.8
8+50

F=0.0
C=76.1
8+00

F=0.0
C=68.0
7+50

F=0.20
C=60.0
7+00

F=0.20
C=47.9
6+50

F=1.5
C=49.5
6+00

F=0.66
C=63.43
5+50

F=0.0
C=74.01
5+03.75 - P.C.

EARTHWORK THIS SHEET
EXCAVATION - 1,598.2 cu. yds.
FILL - 4.8 cu. yds.

HARVEST LANE X-SECTIONS
Proj. No. 472-76-245-81665-000-000-001
Sheet 11