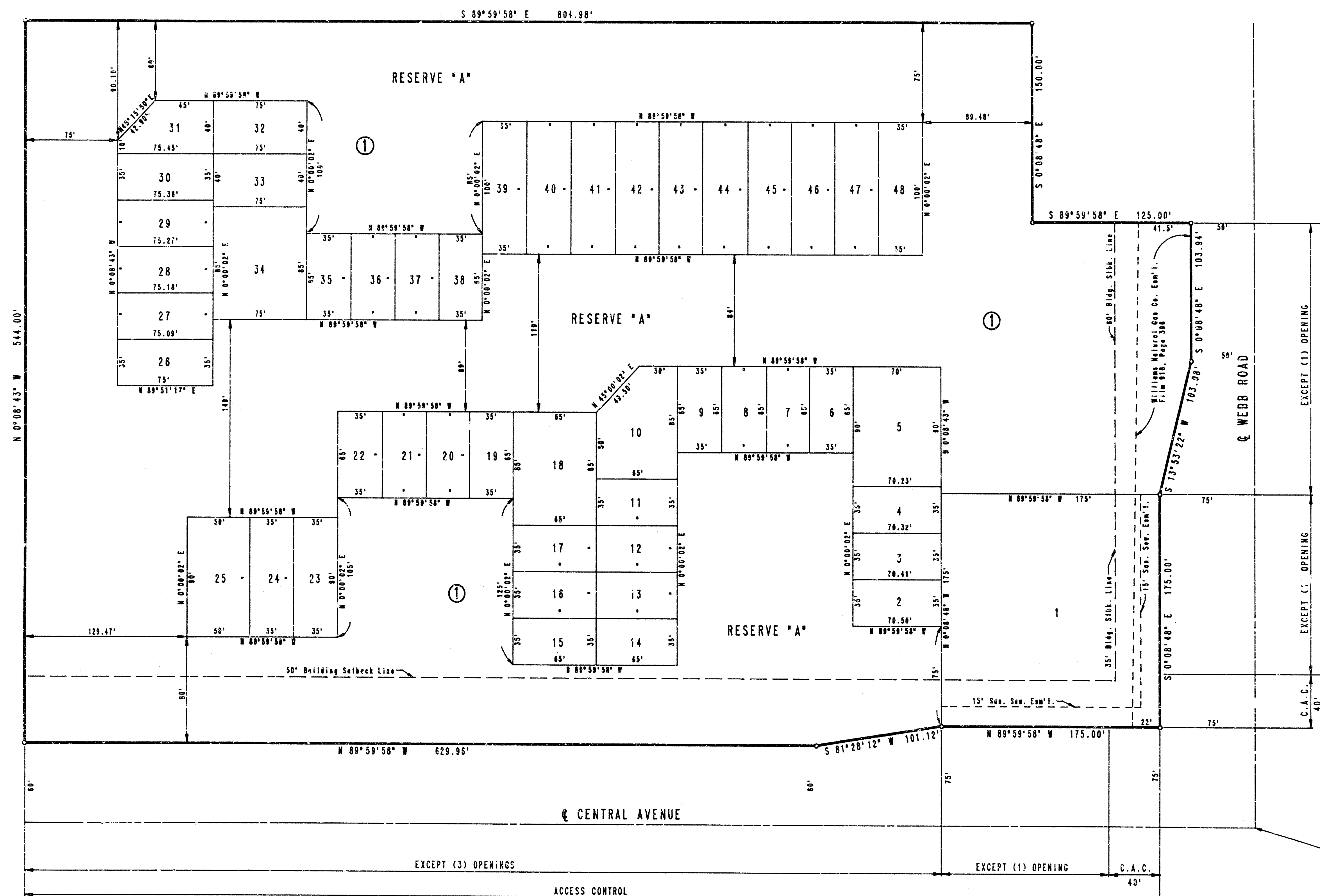


CORPORATE LAKES

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-78-245-81942-000-001	2	10



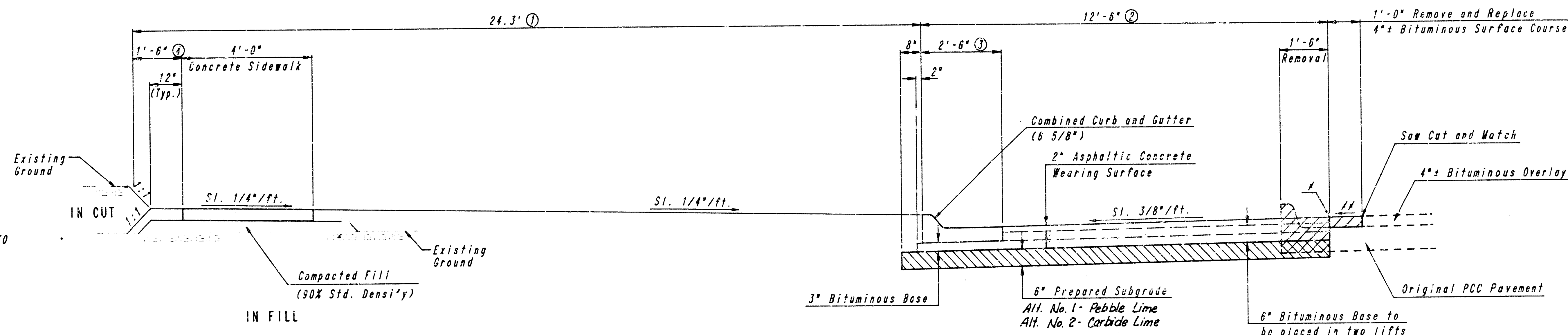
SCALE: 1" = 50'
 ○ = IRON SET
 B.W. - CITY OF WICHITA B.W. DISC
 32 FT. NORTH AND 42 FT. WEST OF
 OF INTERSECTION OF CENTERLINES
 OF CENTRAL AND WEBB RD.
 CITY DATUM ELEV. -172.88

CORPORATE LAKES	
PLAT	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.	
ENGINEERS WICHITA, KANSAS	
Designed by	Checked by
Drawn by DEP	Date SEPT., 1989 Job No.

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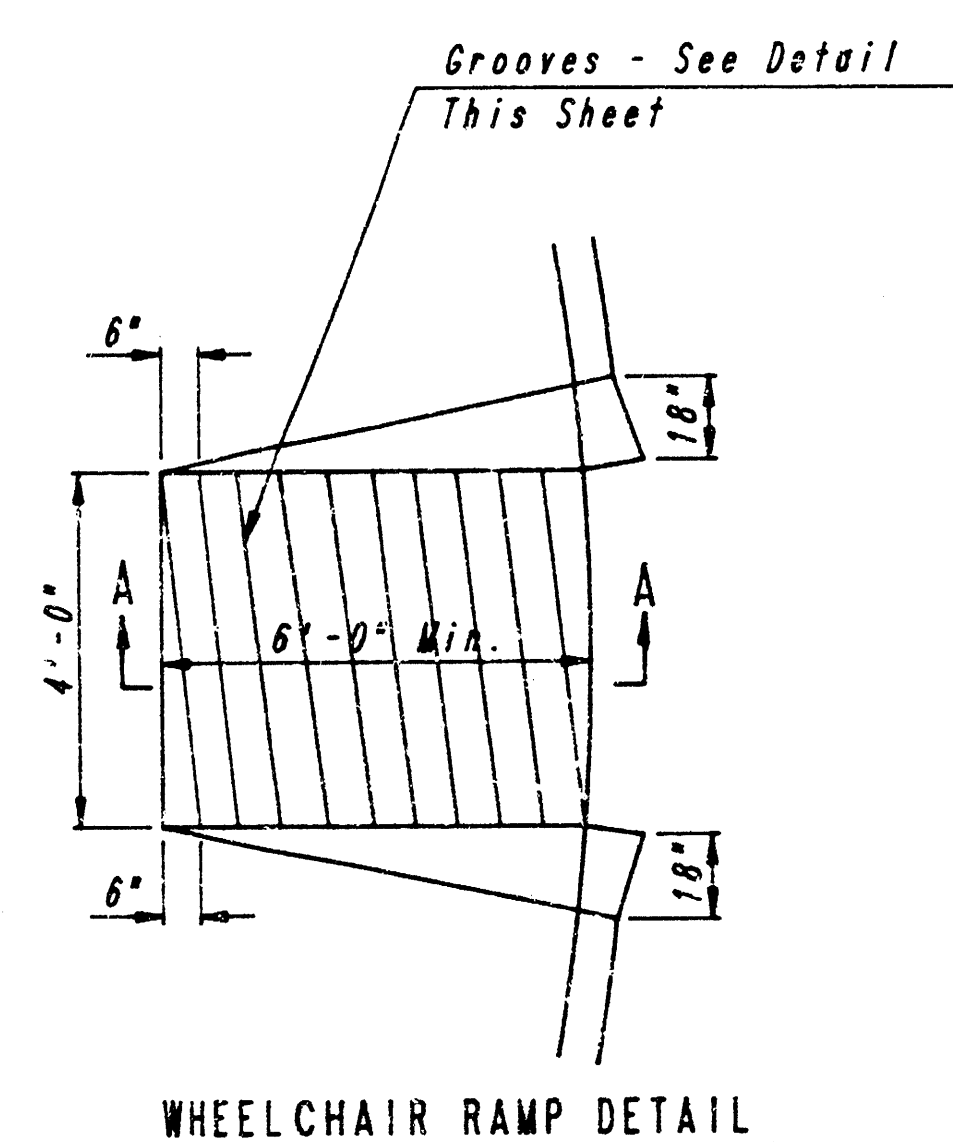
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-81942-000-001	3	10

- ① Varies from 24.3' at Sta. 9+22.50 to 34.5' at Sta. 10+03.
- ② Varies from 12'-6" at Sta. 9+22.50 to 1'-6" at Sta. 10+03.
- ③ Varies Sta. 9+74.53 to Sta. 10+03. See Detail Sheet No. 6.
- ④ Varies from 1'-6" at Sta. 7+20 to 6'-0" at Sta. 7+24.50. 6'-0" Sta. 7+24.50 to Sta. 9+98.70 Varies from 6'-0" at Sta. 9+98.70 to 14'-0" at Sta. 10+06.70.

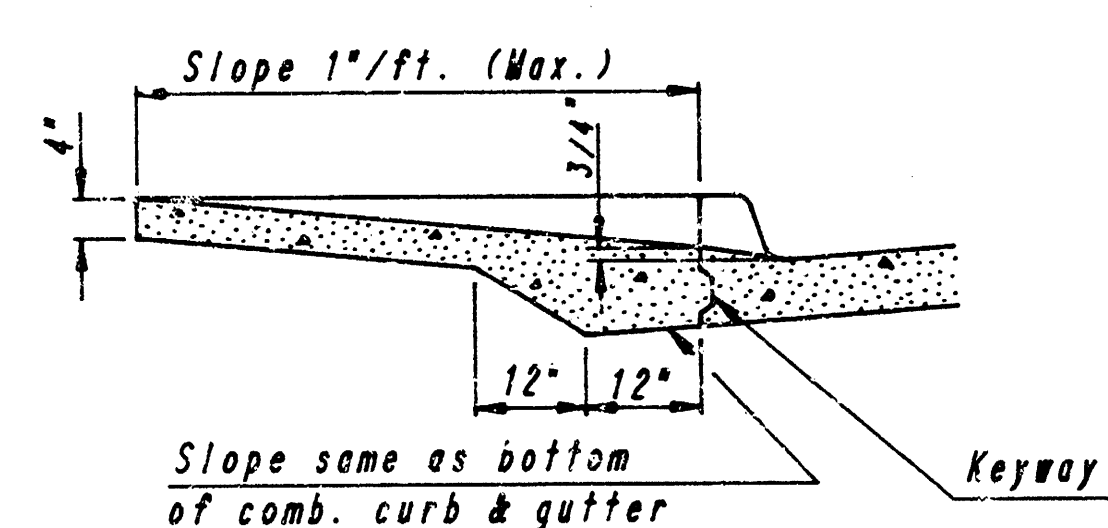


TYPICAL SECTION
Sta. 1+93.50 to Sta. 6+25.76 &
Sta. 7+03.76 to Sta. 10+03

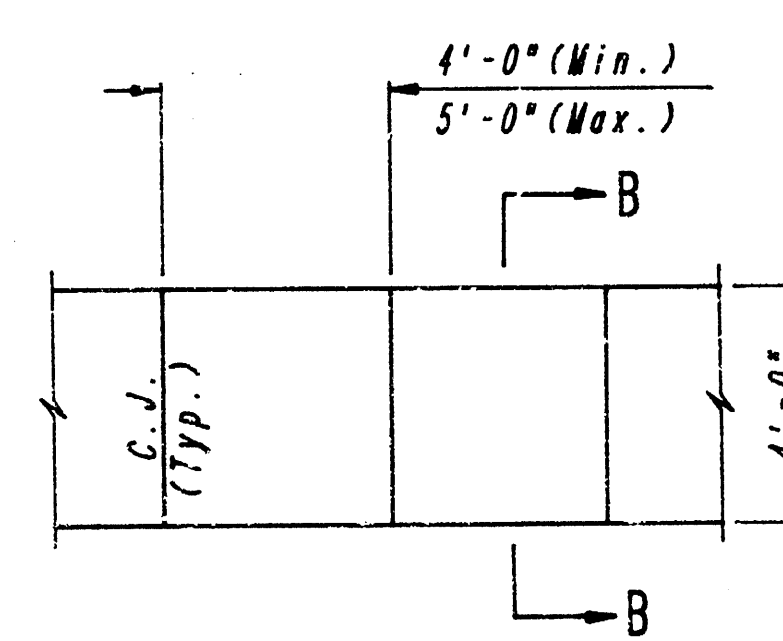
SAW CUT AND REMOVE EXISTING PAVEMENT (PCC PAVEMENT, MONOLITHIC EDGE CURB AND 4" BITUMINOUS OVERLAY). 0.19' BELOW T.C.
SLOPE VARIES TO MATCH EXISTING



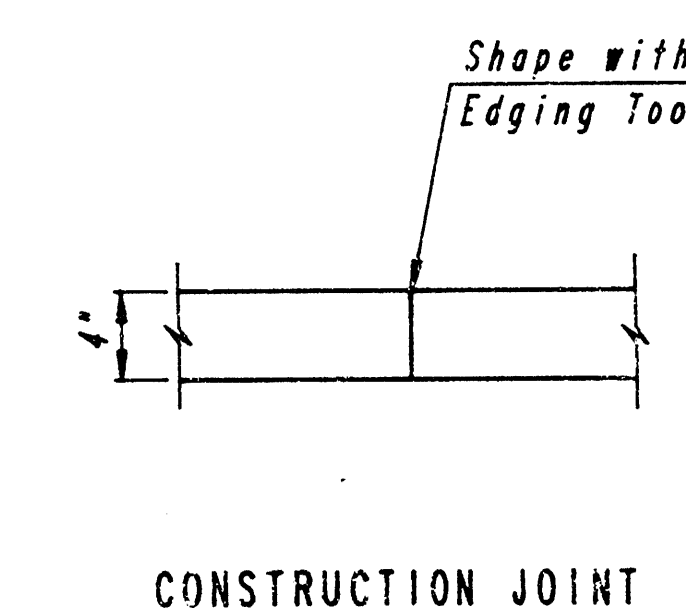
WHEELCHAIR RAMP DETAIL



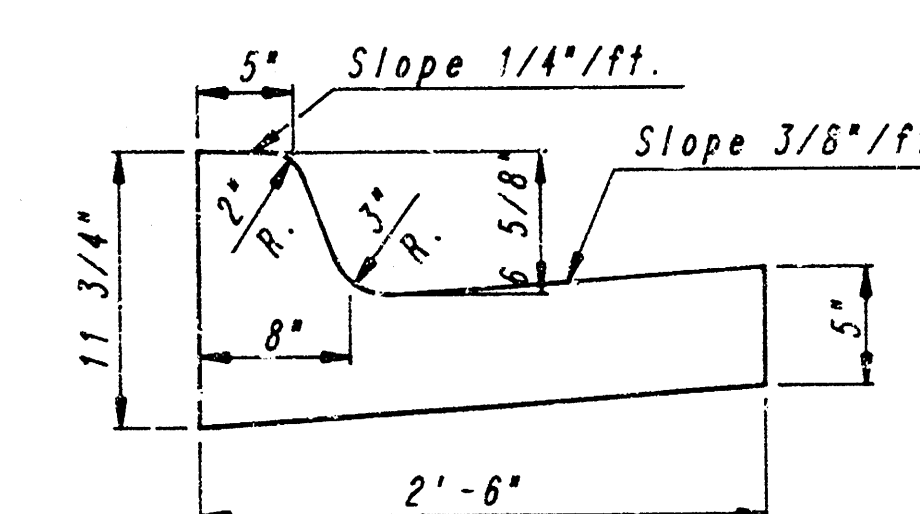
SECTION A-A



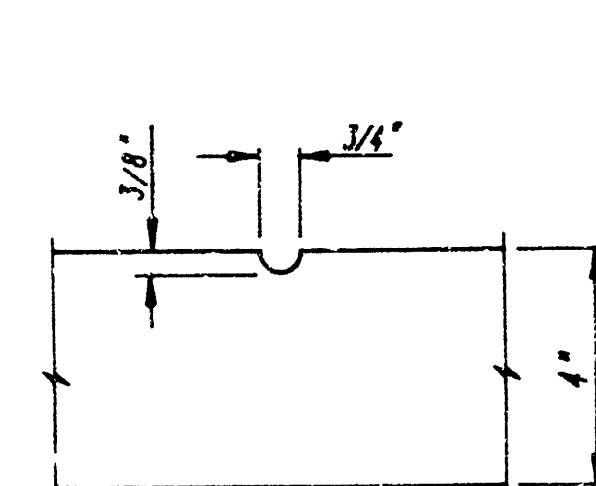
PLAN



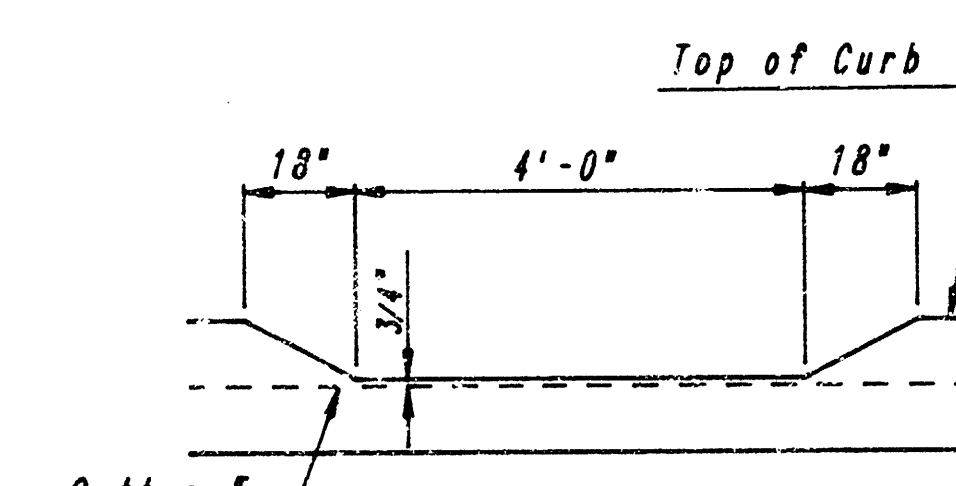
CONSTRUCTION JOINT



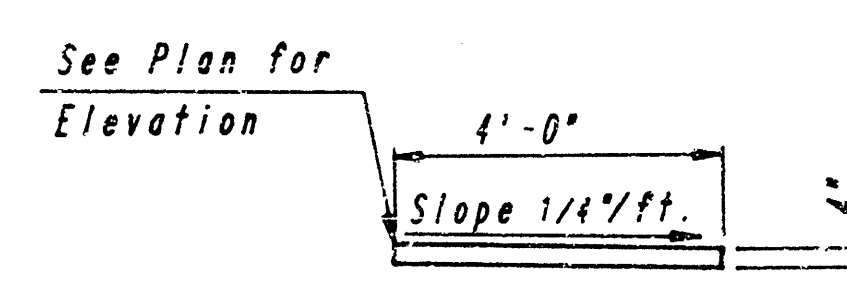
COMBINED CURB & GUTTER



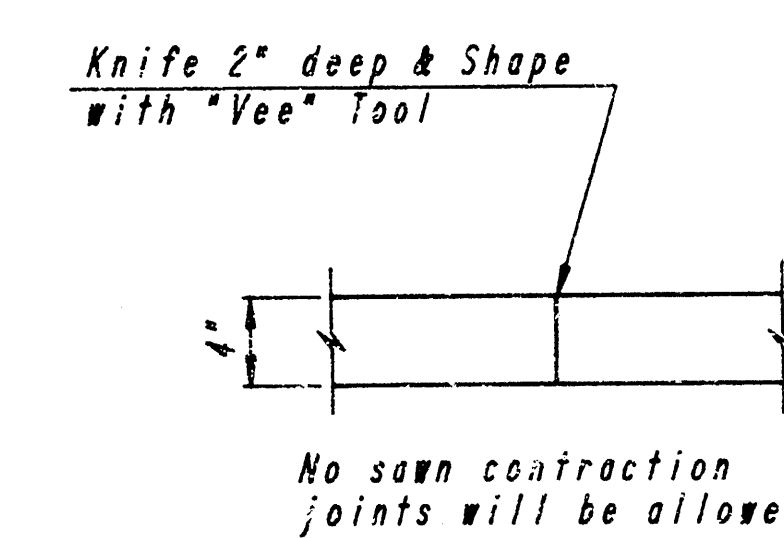
GROOVE DETAIL



DEPRESSED CURB DETAIL



SECTION B-B



CONTRACTION JOINT

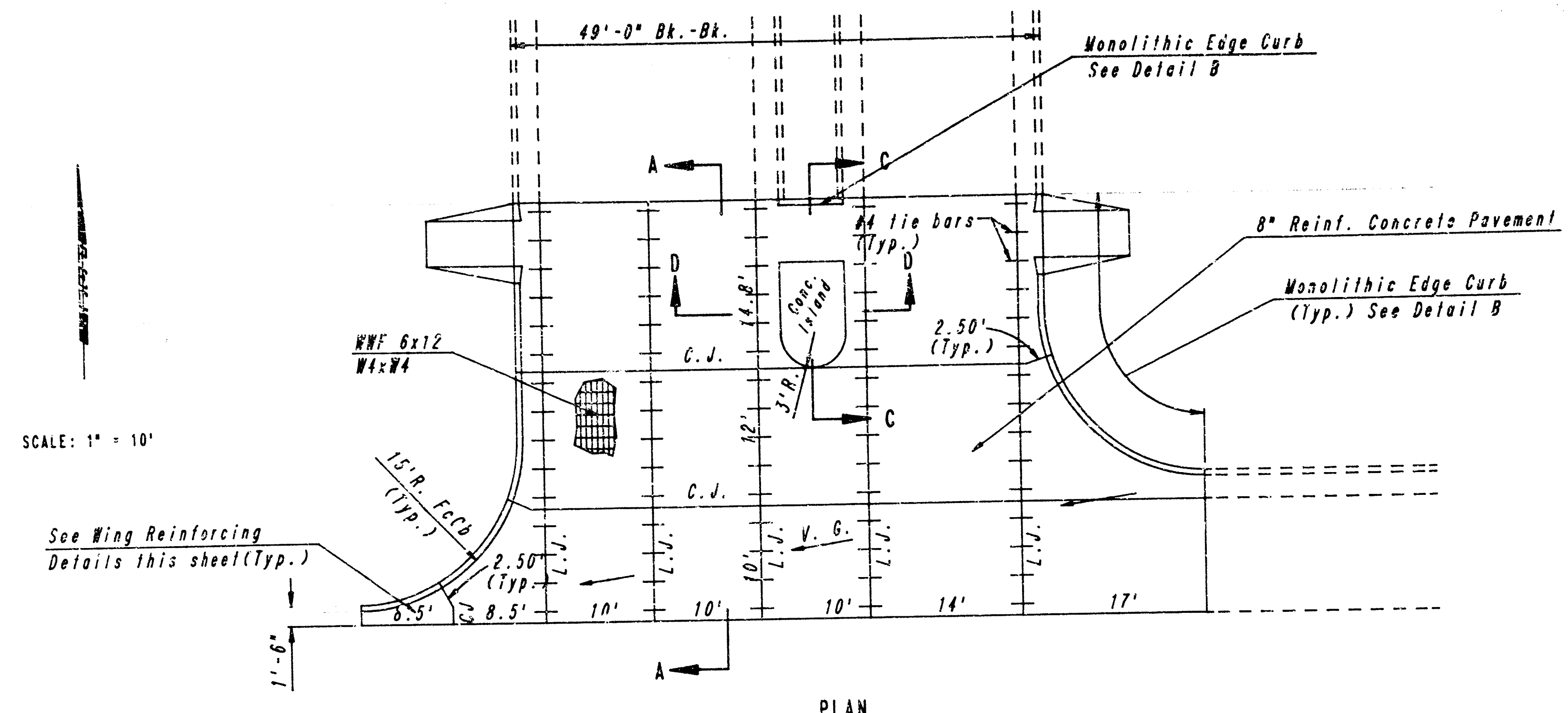
TYPICAL WHEELCHAIR RAMP DETAILS

4" WALK DETAILS

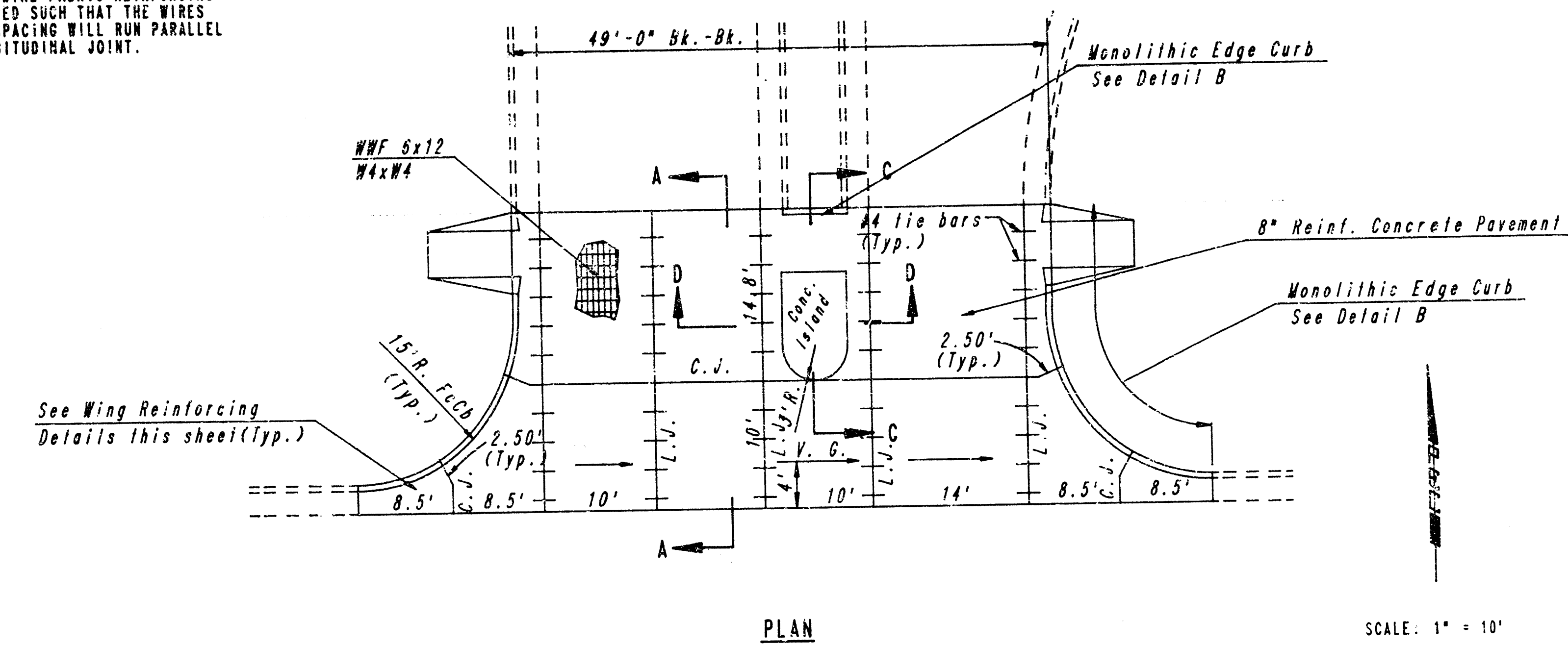
CORPORATE LAKES	
TYPICAL SECTION AND MISC. PAVING DETAILS	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS	
Designed by: CSB, GDD	Checked by:
Drawn by: DEP	Date: SEPT., 1989 Job No.: 59277

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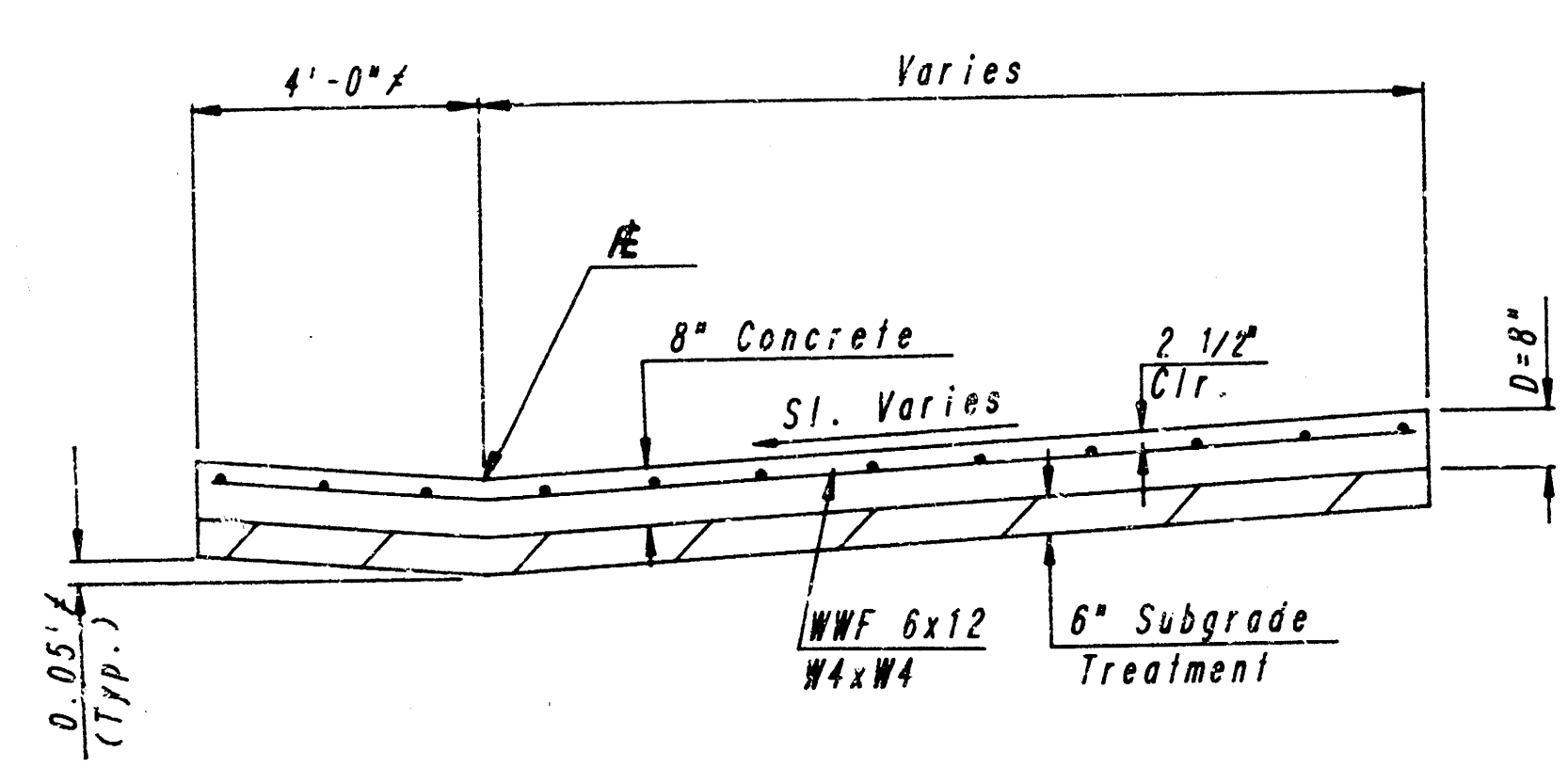
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-81942-000-000-001	4	10



SPECIAL REINFORCED CONCRETE DRIVEWAY
Sta. 1+15.50 to Sta. 1+93.50

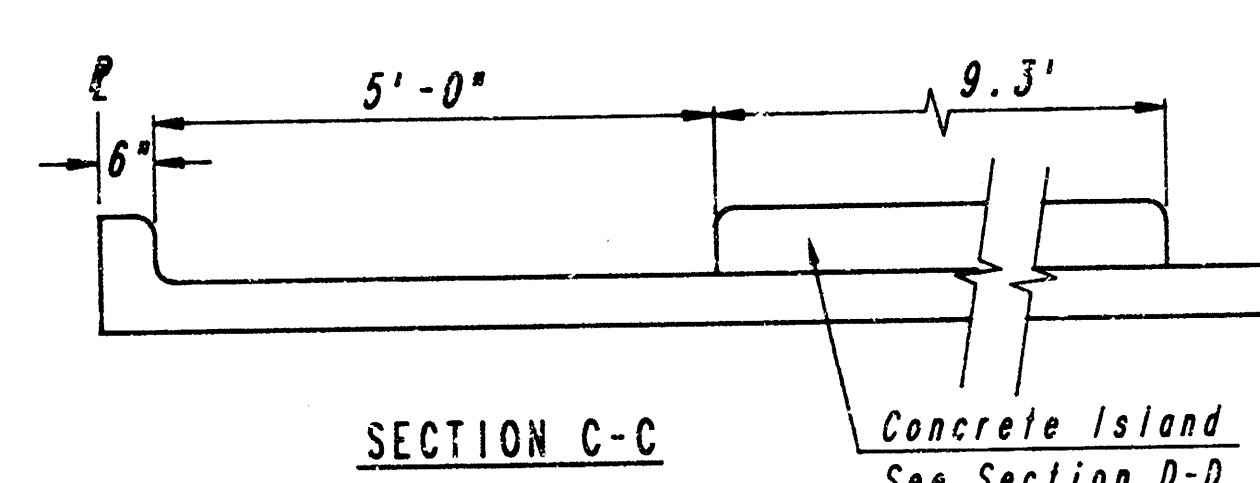


SPECIAL REINFORCED CONCRETE DRIVEWAY
Sta. 6+25.76 to Sta. 7+03.79

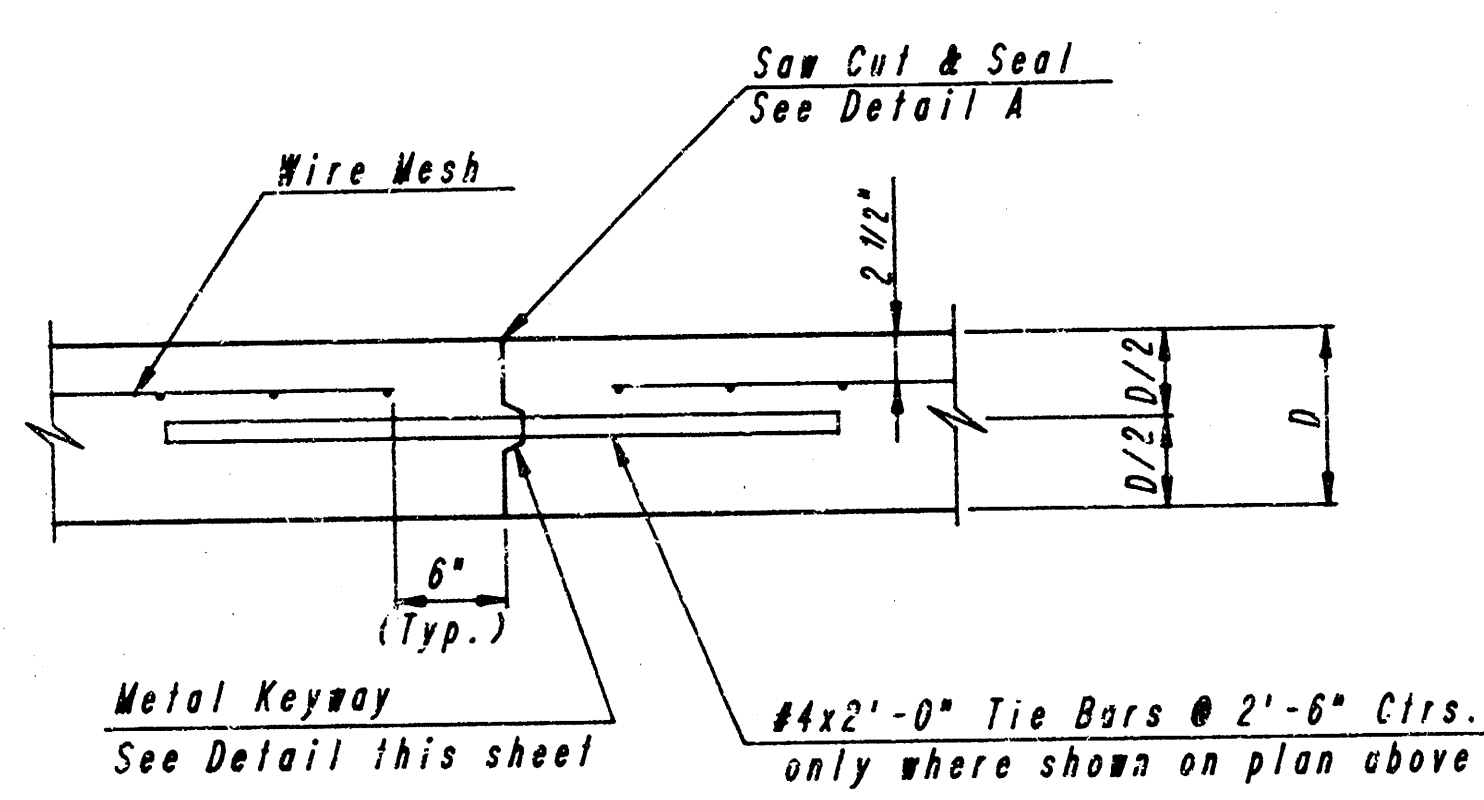


SECTION A-A

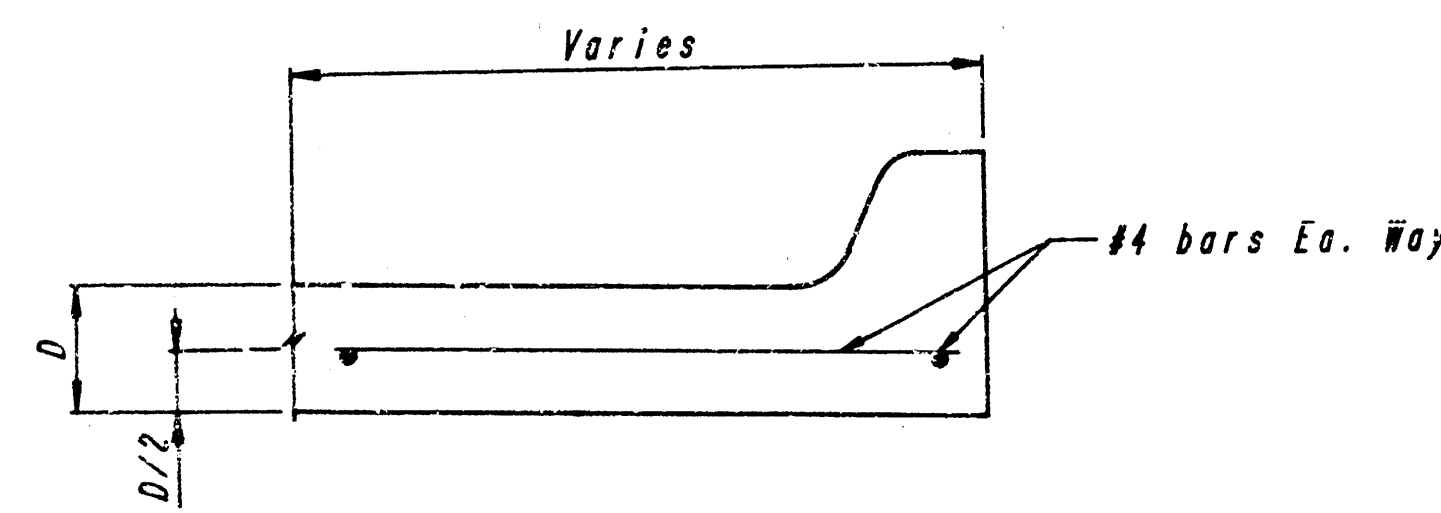
NOTE: OMIT REINFORCING MESH AT ALL JOINTS
NOTE: ALL REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED BY THE ENGINEER.
VARIES FOR SPECIAL REINF. CONC. DRIVEWAY (STA. 1+15.50 TO STA. 1+93.50) SEE PLAN



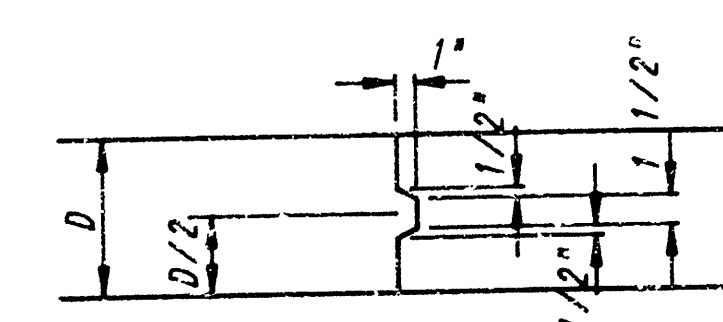
SECTION C-C



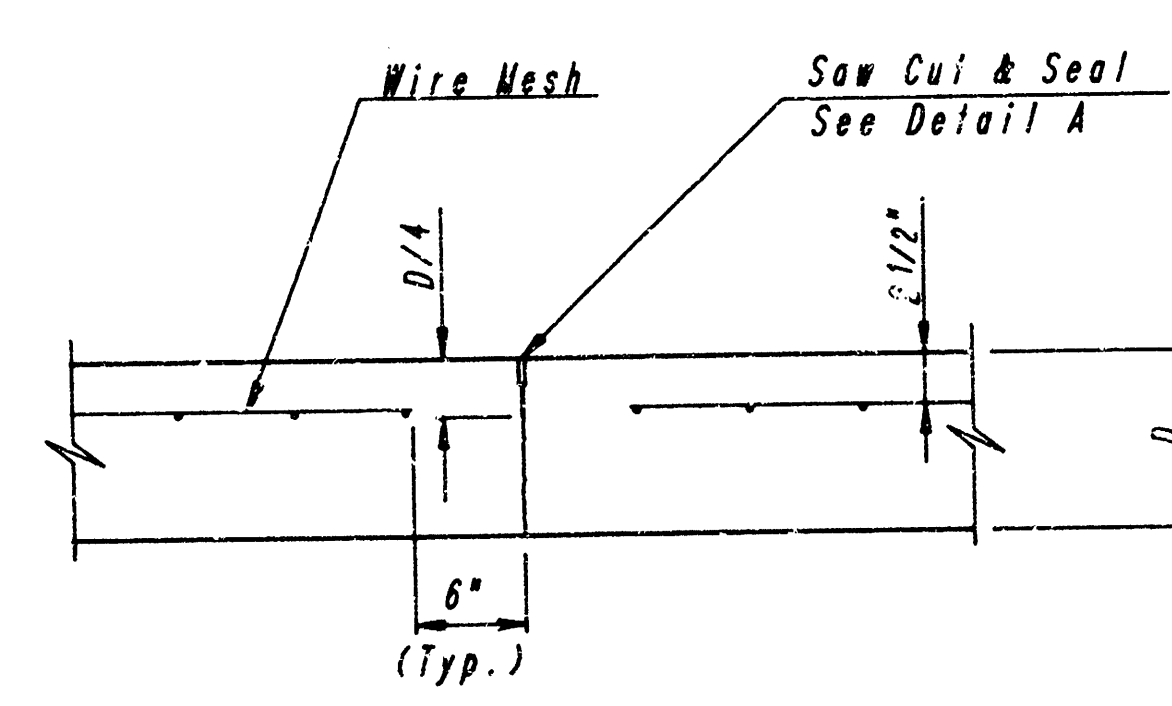
**LONGITUDINAL CONSTRUCTION JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(ALTERNATE L.J.)**



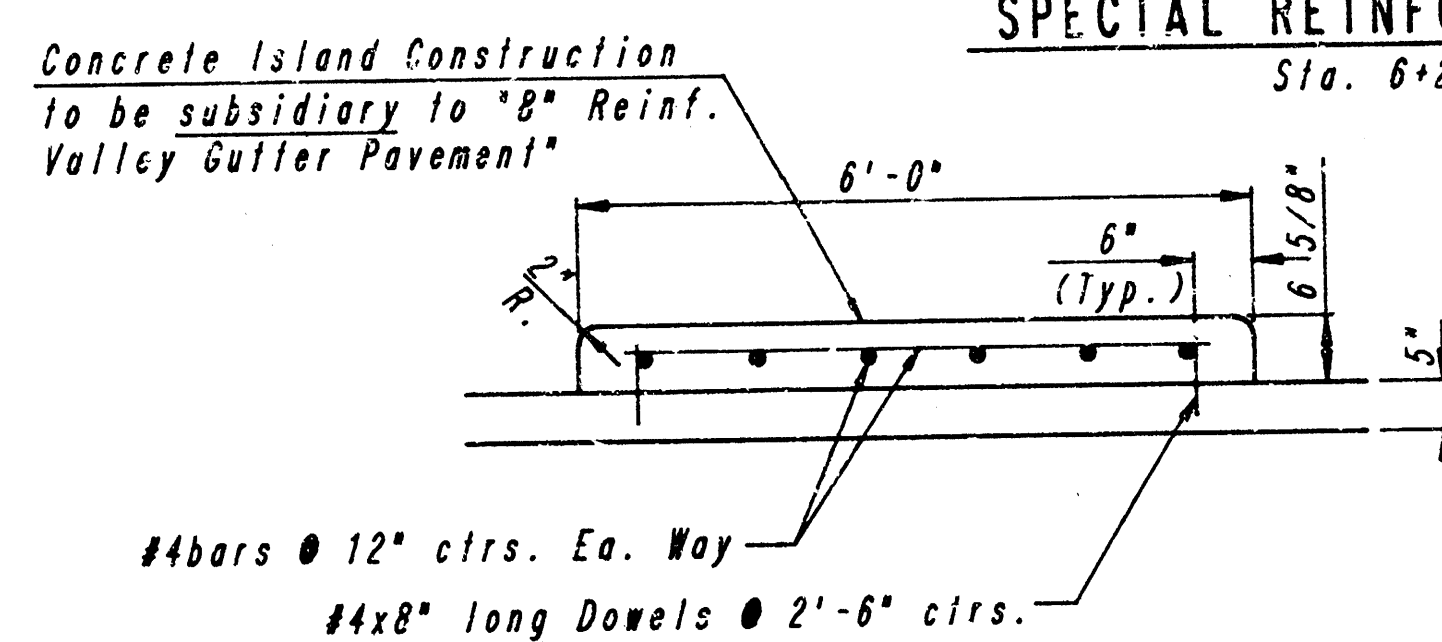
SECTION B-B



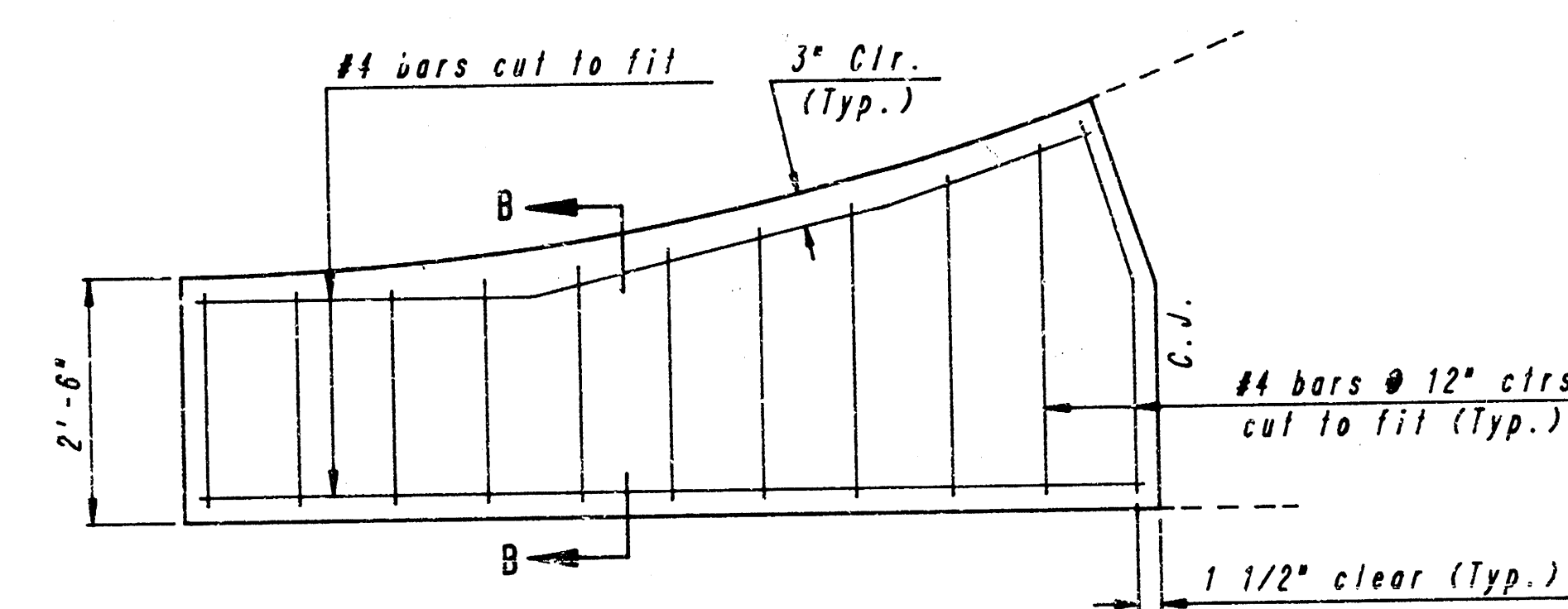
KEYWAY DETAIL



**CONTRACTION JOINT DETAIL
REINFORCED PAVEMENT
(C.J.)**

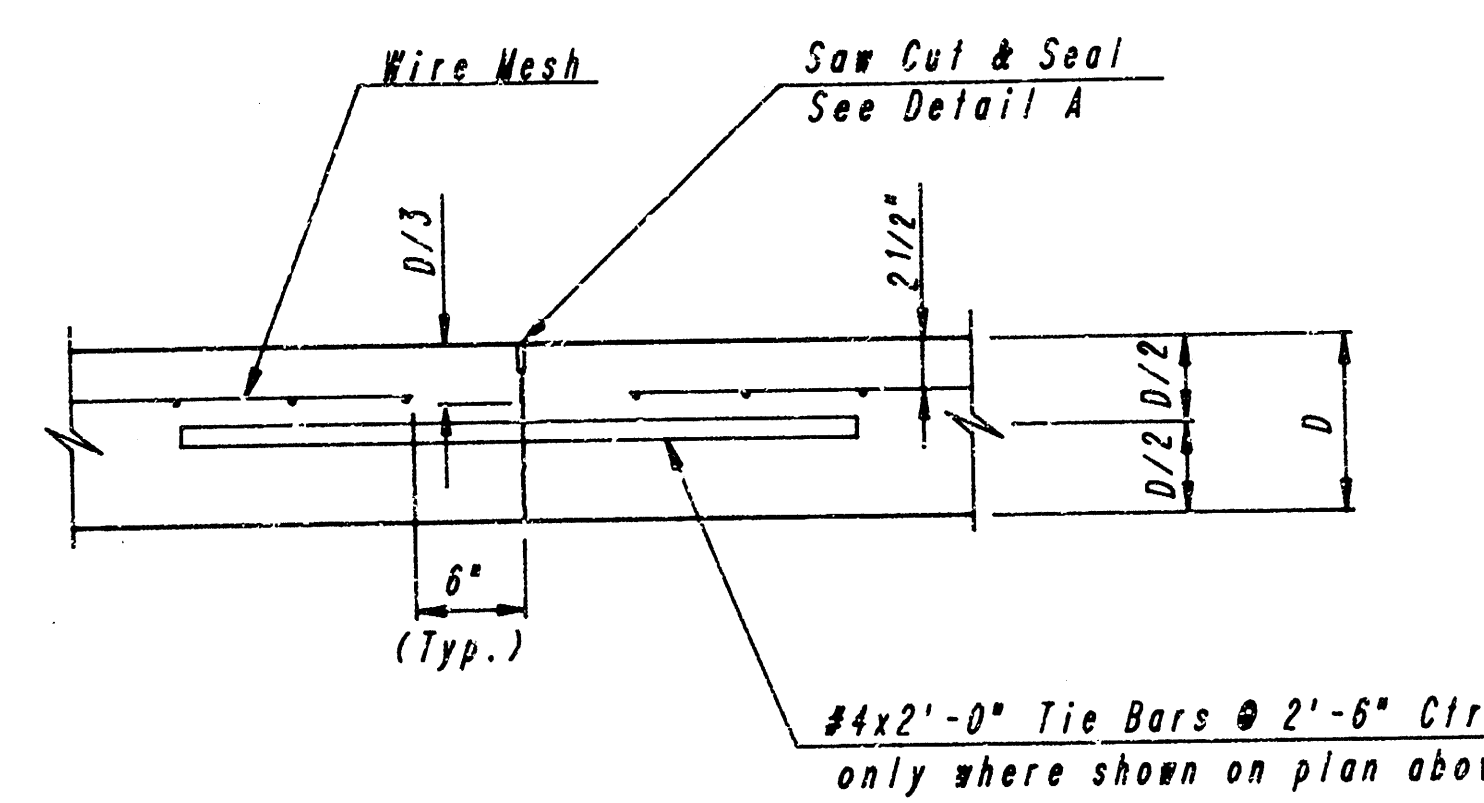


SECTION D-D

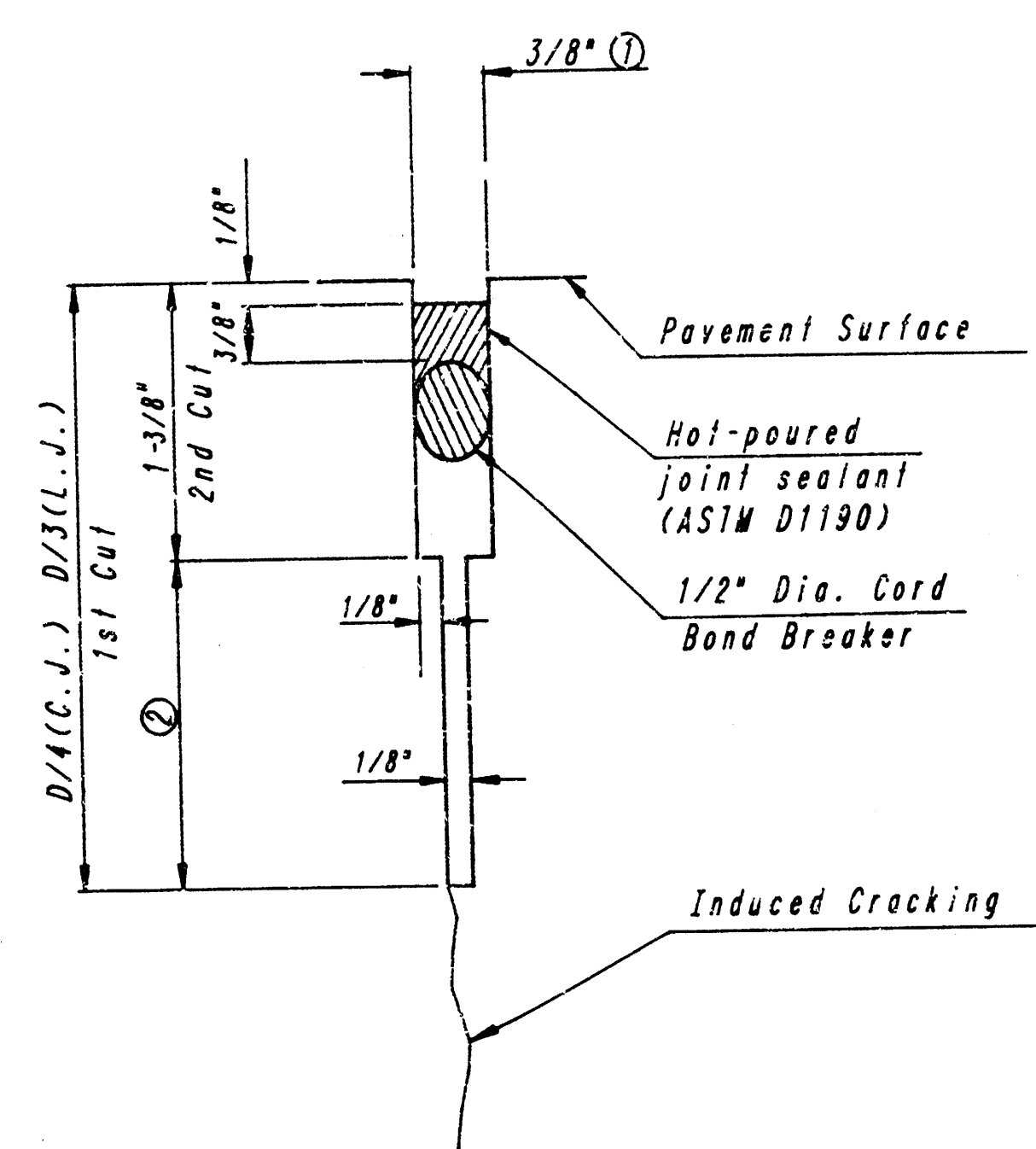


WING REINFORCING DETAIL

NOTE: OMIT WIRE FABRIC REINFORCING IN THIS SECTION.

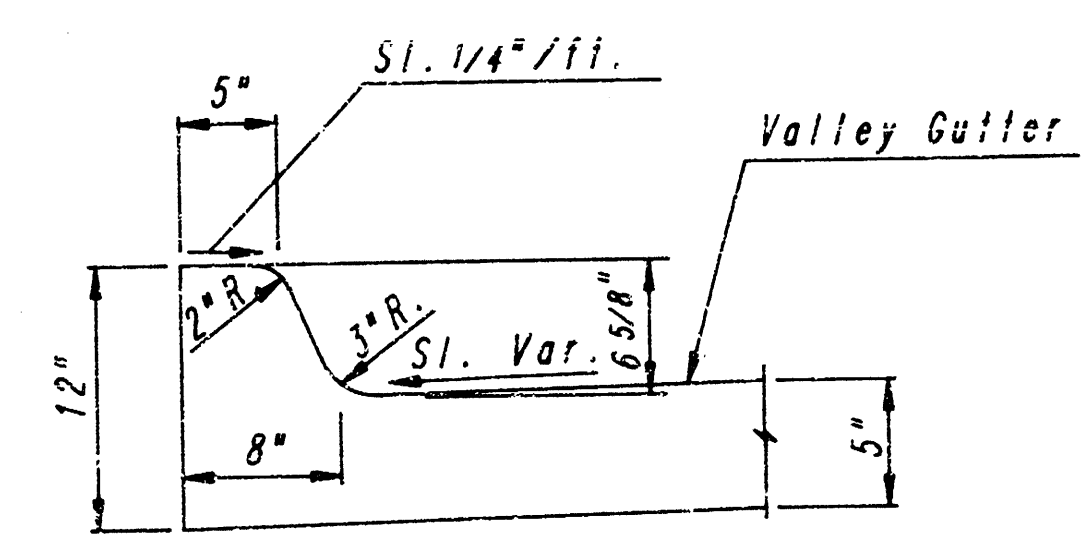


**LONGITUDINAL JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(L.J.)**



DETAIL A

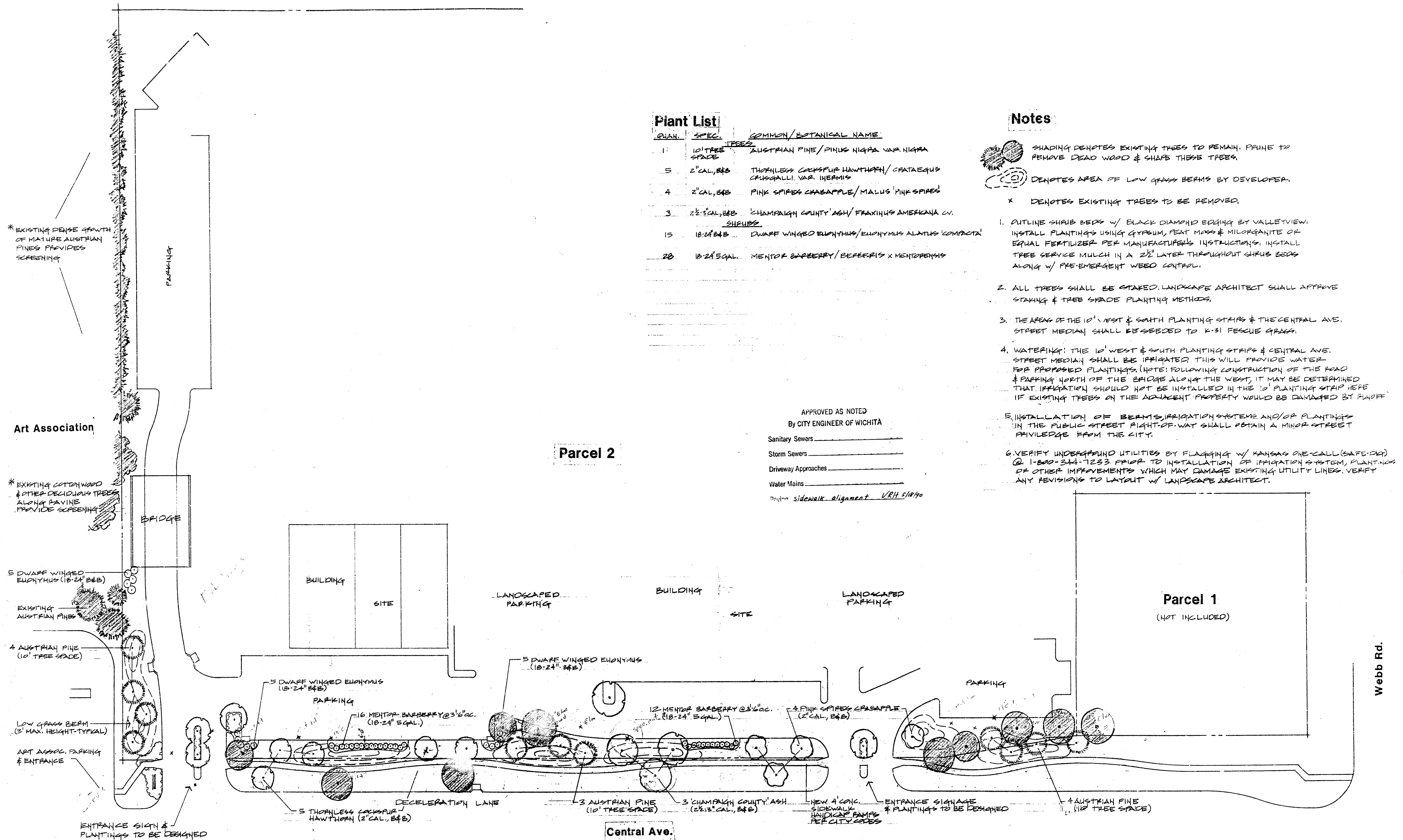
- To be accomplished in 2 cuts for longitudinal joints & contraction joints. Initial cut to be 1/8" wide.
- Eliminate bottom of cut when metal keyway is used as part of longitudinal or transverse construction joint and at doweled construction joint locations.



DETAIL B

CORPORATE LAKES	
REINFORCED CONCRETE DRIVEWAY DETAILS	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.	
ENGINEERS WICHITA, KANSAS	
Designed by CSB, RDP	Checked by
Drawn by DEP	Date SEPT., 1989 Job No. 89277

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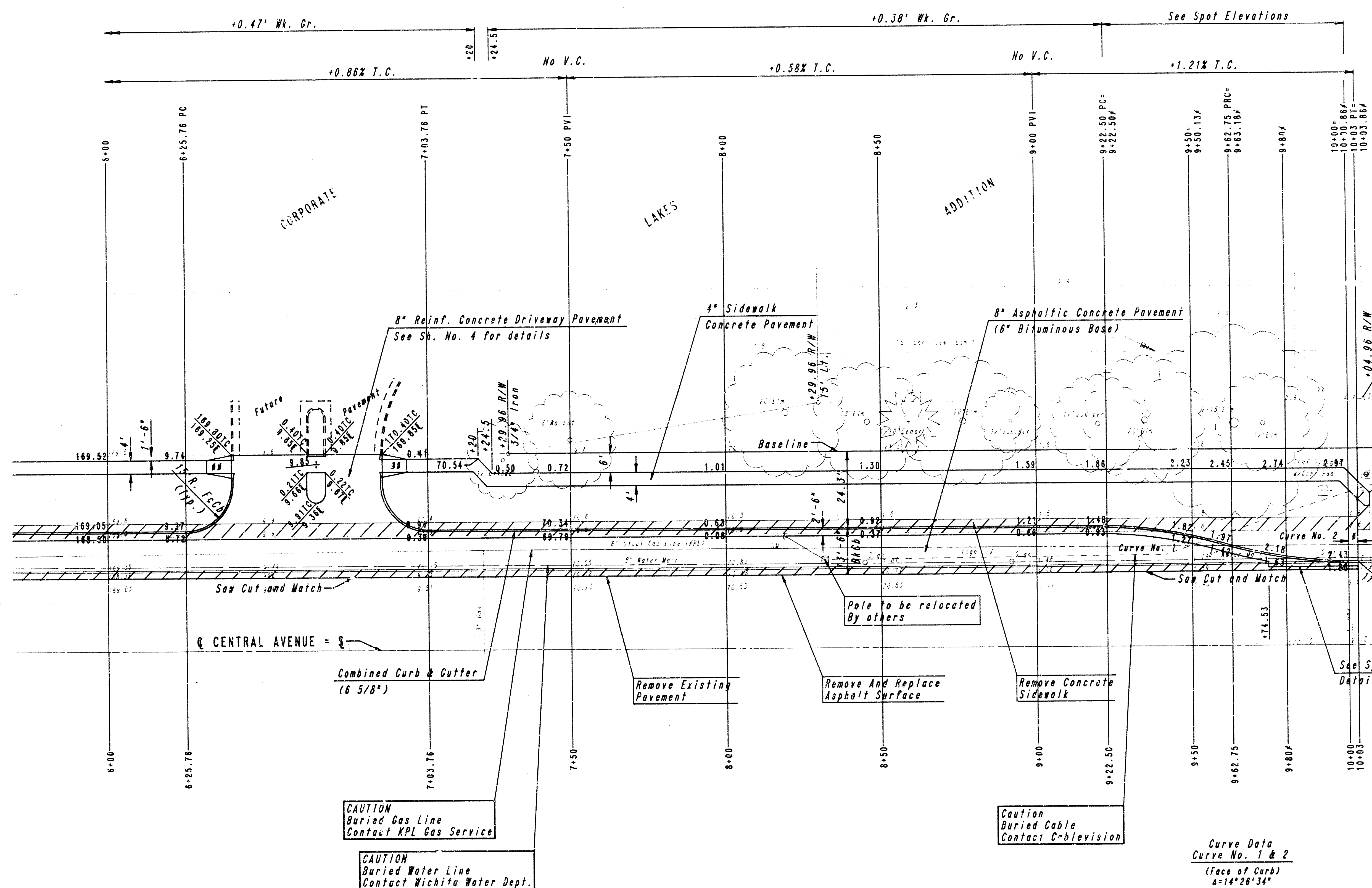
ATTACHED TO Decel Lane on N. Side of Central (472-81942-001)

	CORPORATE LAKES		Project No.: L89037	
	Central and Webb		Scale: 1" = 30'	
	JONES PROFESSIONAL ASSOCIATION		Drawn By: D.P.	
	721 West Ninth Street Wichita, Kansas 67203 (316) 262-4525		Revisions:	
			1-2-90 5-8-90 5-17-90	
			SHEET	1 OF 1

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PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-81942-000-000-001	6	10

SCALE: 1" = 20'

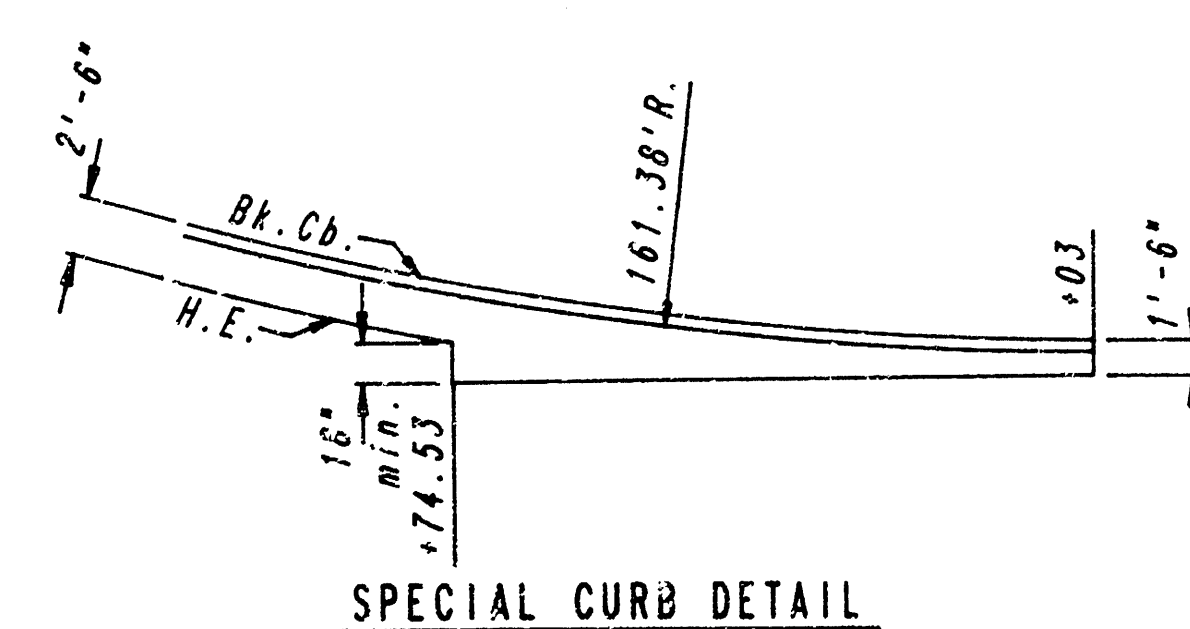


CURVE NO. 1 STAKING DATA									
CURVE DATA BASED ON RADIUS TO 8' BEHIND FACE OF CURB									
A=14°28'34"	B=33°49'38"	R=169.38'	L=42.70'	T=21.46'	E=1.35'				
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	ARC LENGTH ALONG 8' OFFSET	CHD LENGTH 8' OFF FC OF CB	DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS			
9+22.50				0°00'00"	0°00'00"	P.C.			
9+50.13	27.63'	26.88'	26.88'	2°54'17"	2°54'17"				
9+83.18	13.95'	13.76'	13.69'	2°11'09"	7°13'12"	P.R.C.			

Defl./ft. = 2.558055 min.

CURVE NO. 2 STAKING DATA									
CURVE DATA BASED ON RADIUS TO 8' BEHIND FACE OF CURB									
A=14°28'34"	B=37°21'20"	R=153.38'	L=38.68'	T=19.43'	E=1.23'				
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	ARC LENGTH ALONG 8' OFFSET	CHD LENGTH 8' OFF FC OF CB	DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS			
9+83.18				0°00'00"	0°00'00"	P.C.			
9+88	16.82'	15.64'	15.60'	2°59'58"	2°59'58"				
10+00.88	20.84'	19.33'	19.31'	3°42'11"	6°51'19"				
10+03.88	3.60'	2.85'	2.85'	0°31'58"	7°13'12"	P.T.			

Defl./ft. = 2.824901 min.



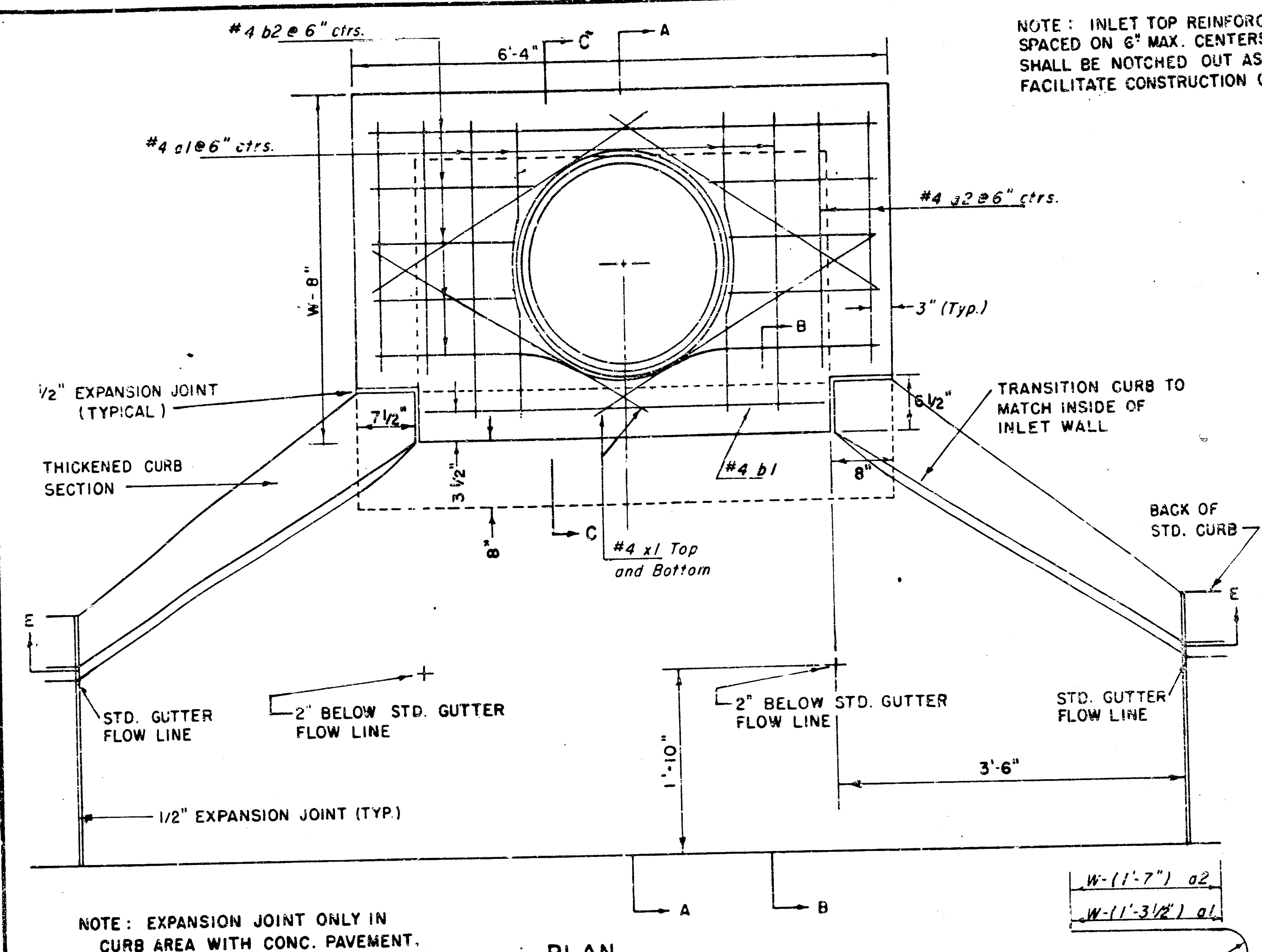
To be bid as
"Combined Curb and Gutter (6 5/8")"

Curve Data
Curve No. 1 & 2
(Face of Curb)
A=14°28'34"
B=35°50'13"
R=161.38'
T=20.45'
L=40.89'
E=1.29'

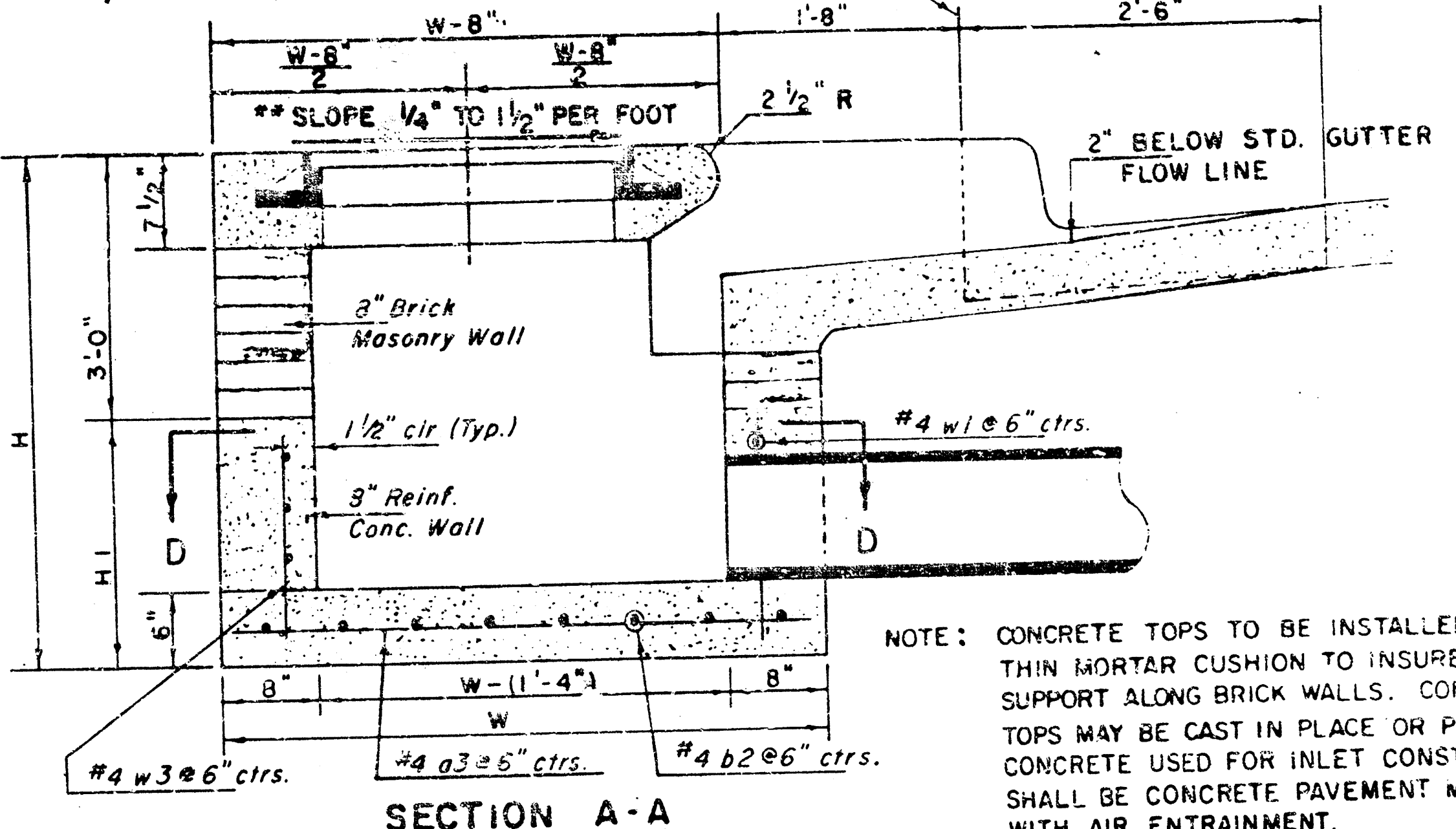
- * MATCH EXISTING
- / FACE OF CURB STATION
- * TRANSITION TOP OF CURB TO MATCH EXISTING
- * CONSTRUCT STD. WHEELCHAIR RAMPS

CORPORATE LAKES	
DECELERATION LANE STA. 6+00.00 TO STA. 10+03.00	
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS	
Designed by GSP, RDP	Checked by
Drawn by DEP	Date SEPT., 1989 Job No. 89277

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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.



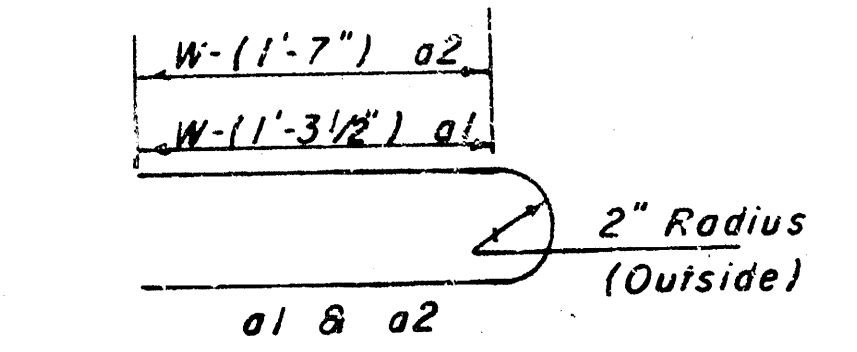
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.

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.



Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	5	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	#6	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	0	6'-1"	0	6'-1"	0	6'-1"	0	6'-1"	0	6'-1"
w2	#4	0	4'-1"	0	5'-1"	0	6'-1"	0	7'-1"	0	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	②

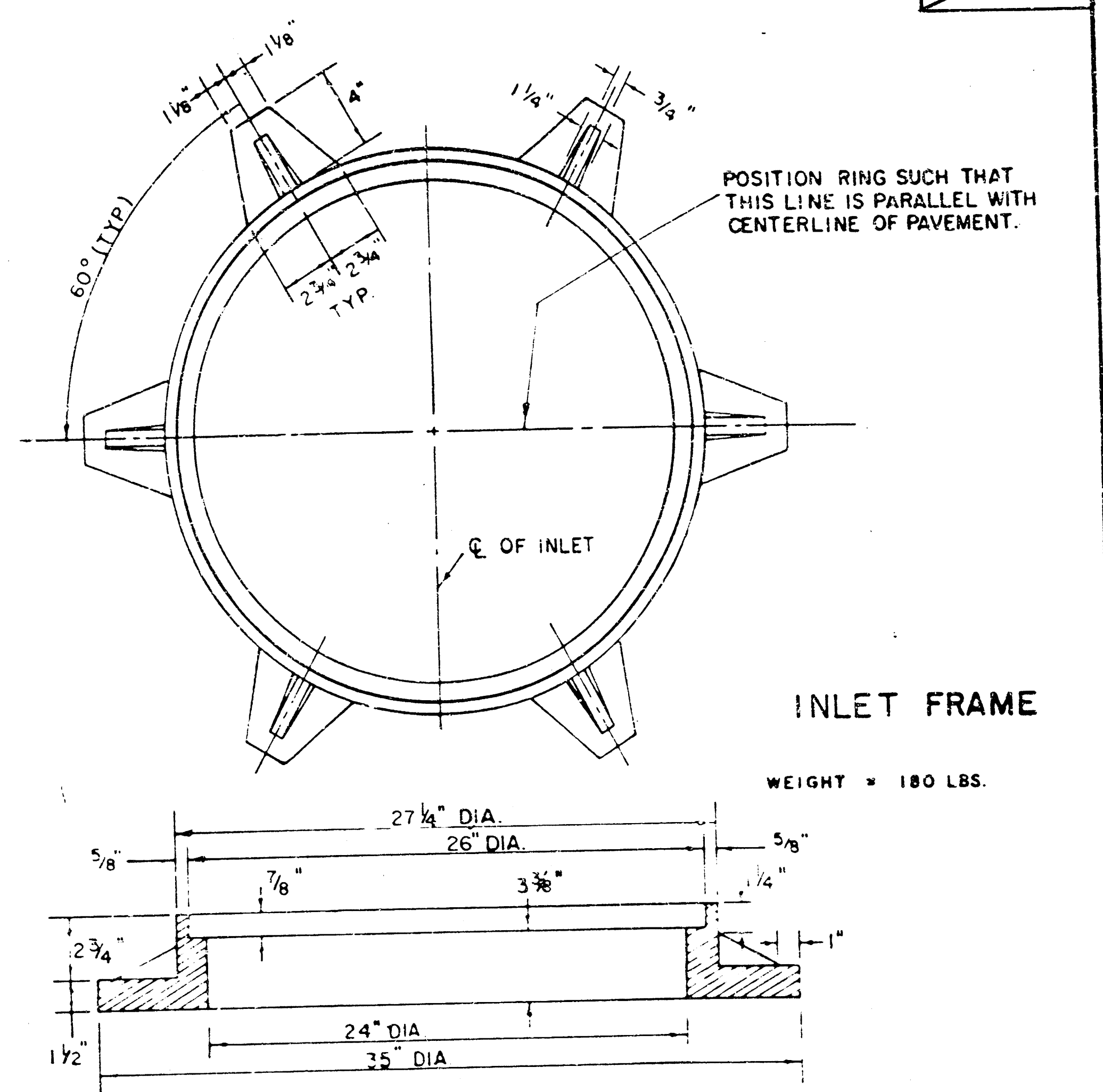
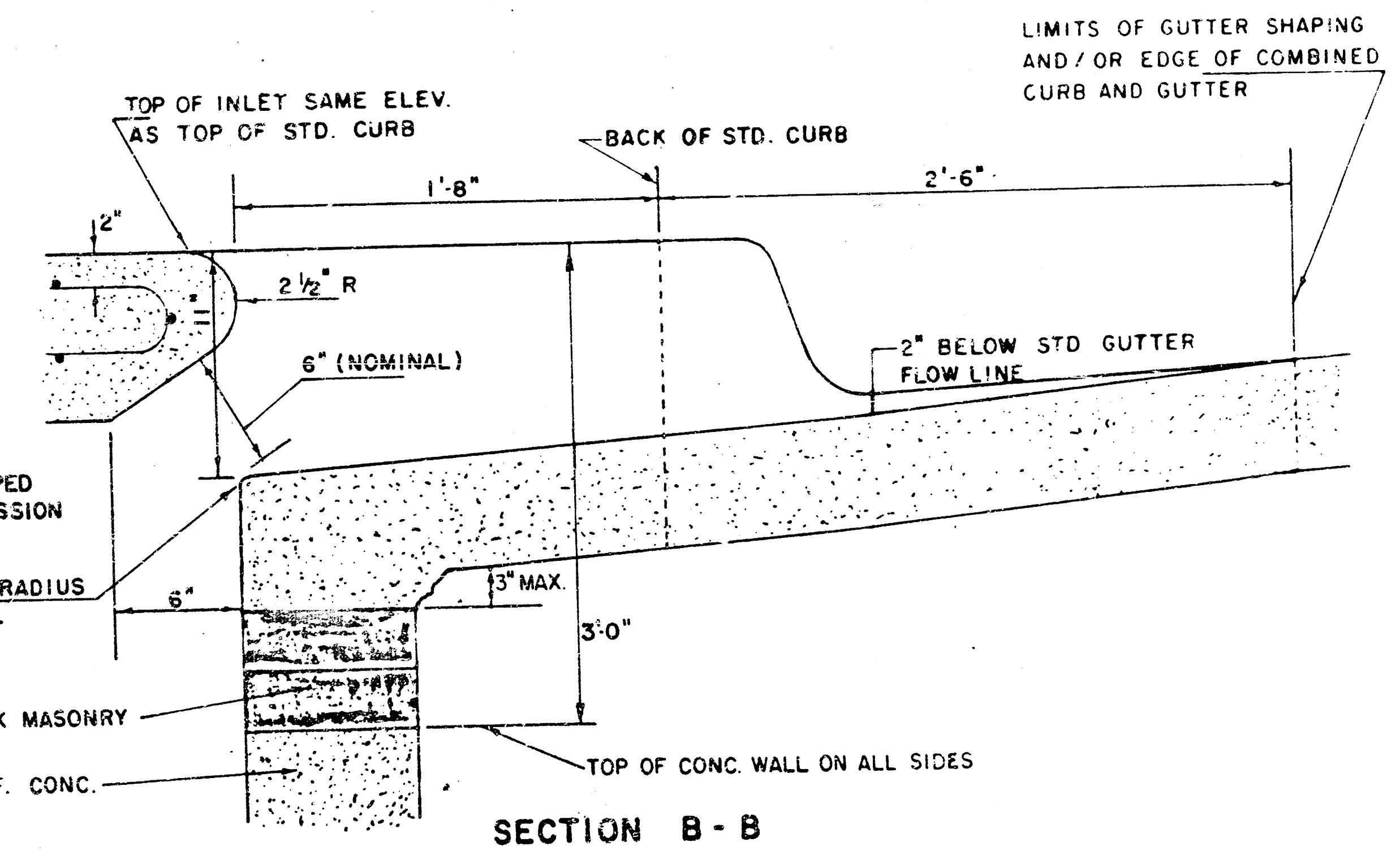
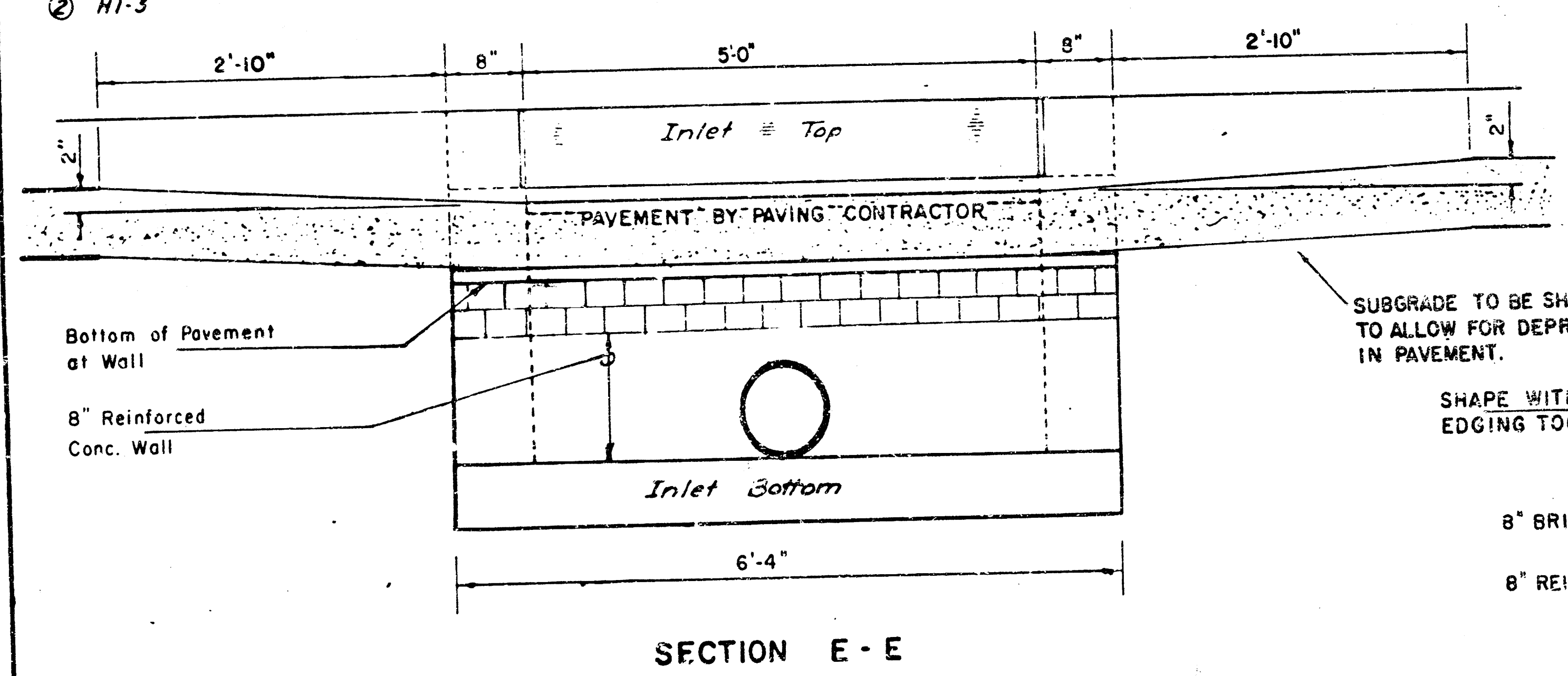
* Field bend or cut reinforcing as required for clearance.

① 4(HI-12"): (HI-12") Round down to nearest 0.5'

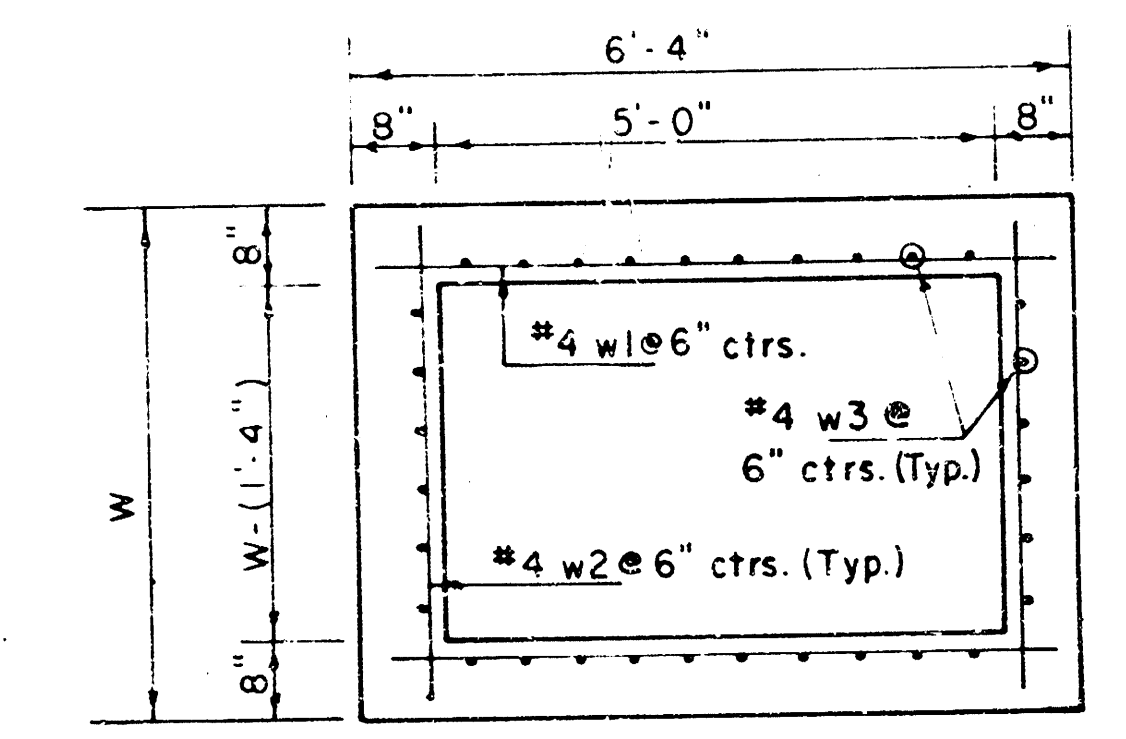
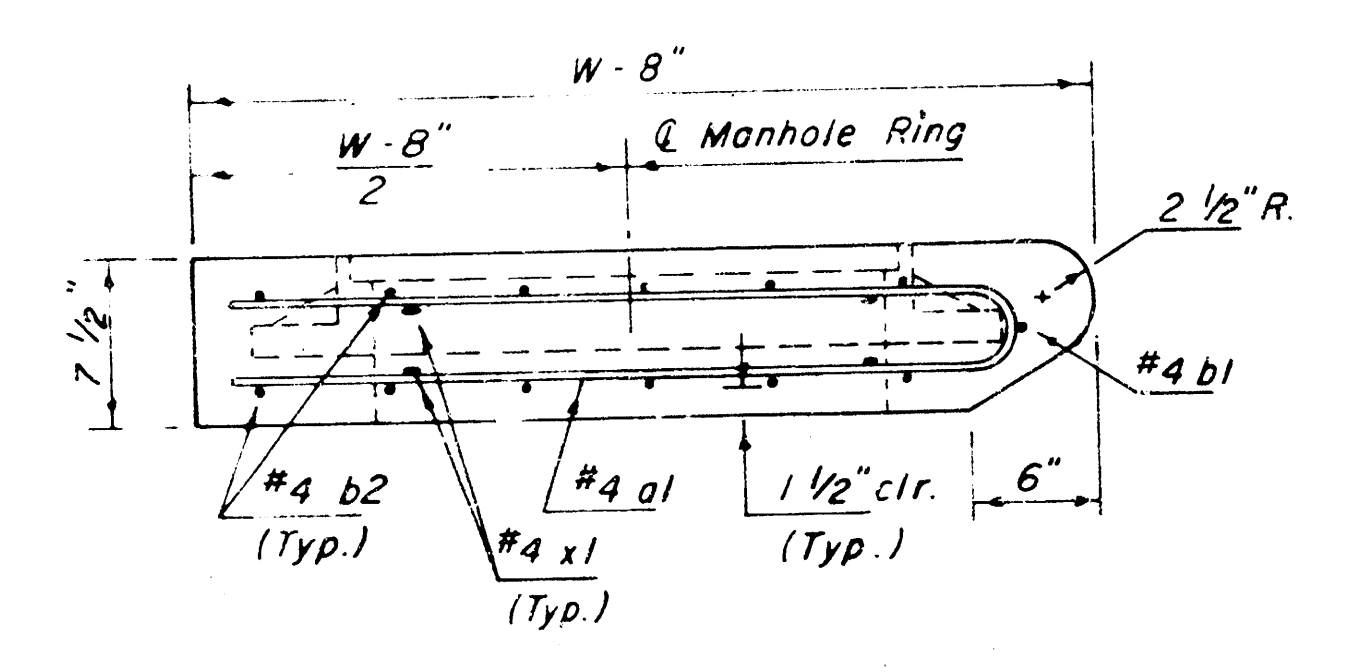
② HI-3"

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 ±

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



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



REVISED 11-30-1988
REVISED 12-21-1984
Revised 2-16-1989

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

JUNE 1984

C.O.W. Proj. No. 472 76 245 81942 000 000 001

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MANHOLE FRAME AND COVER DETAIL

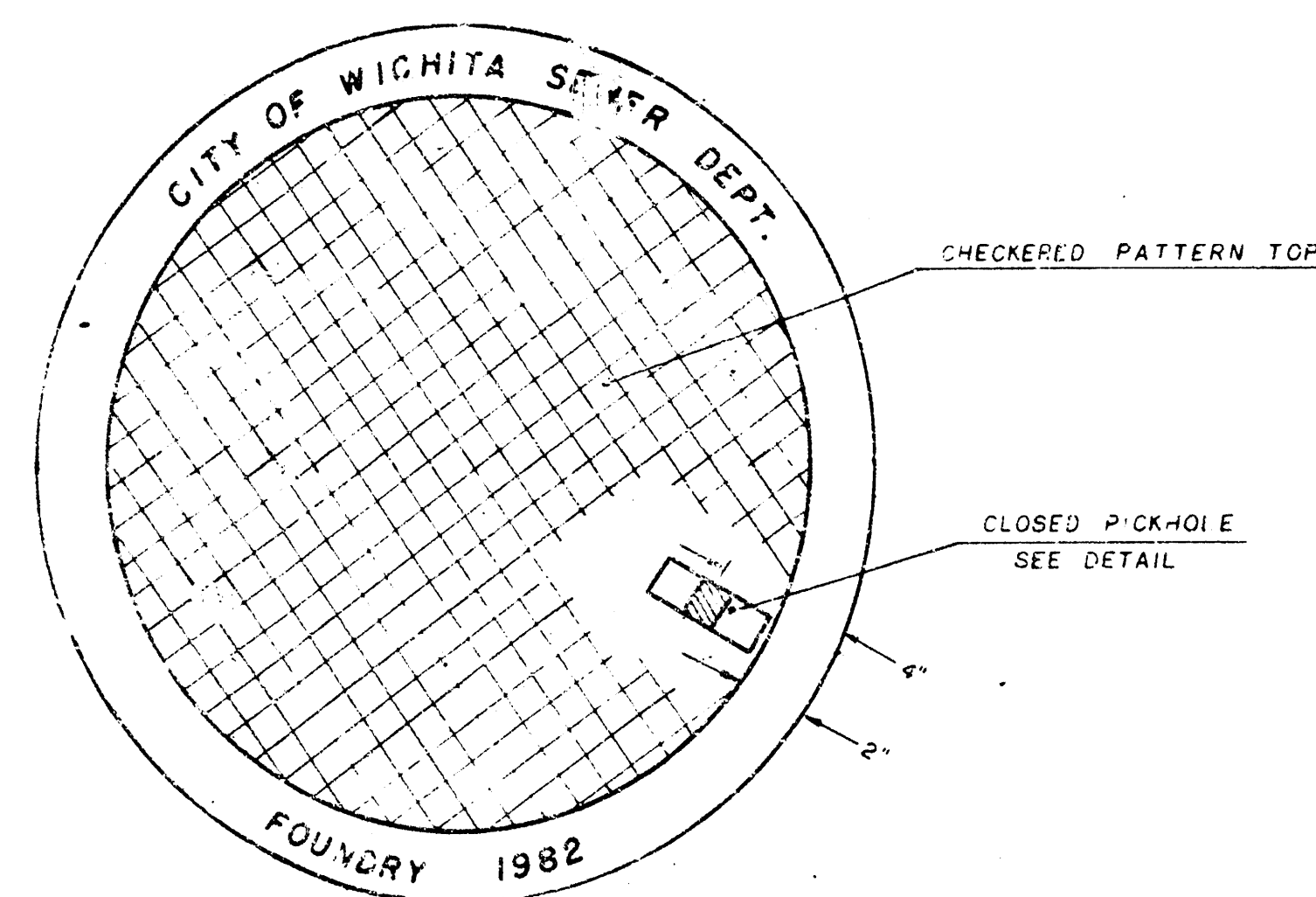
ADOPTED AS STANDARD DESIGN

BY

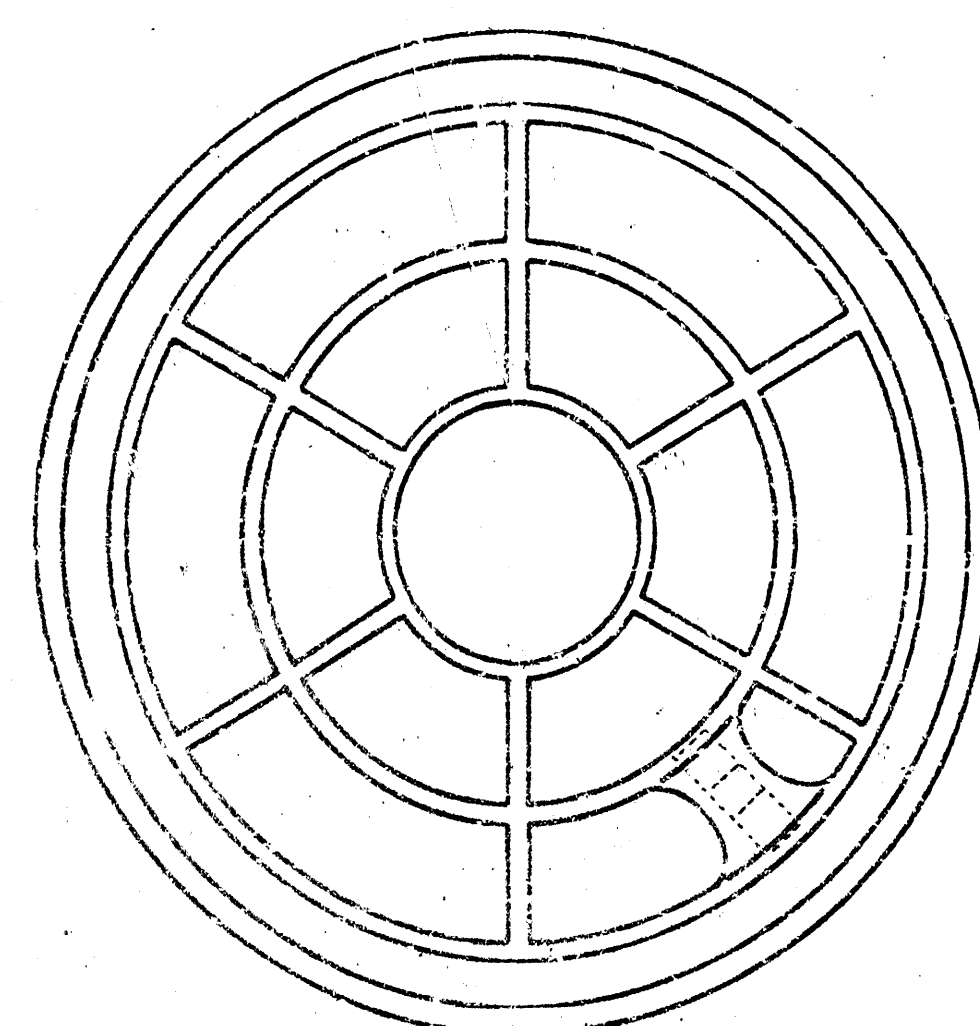
City of Wichita, Kansas

MANHOLE COVER

Weight: 180 Lbs.

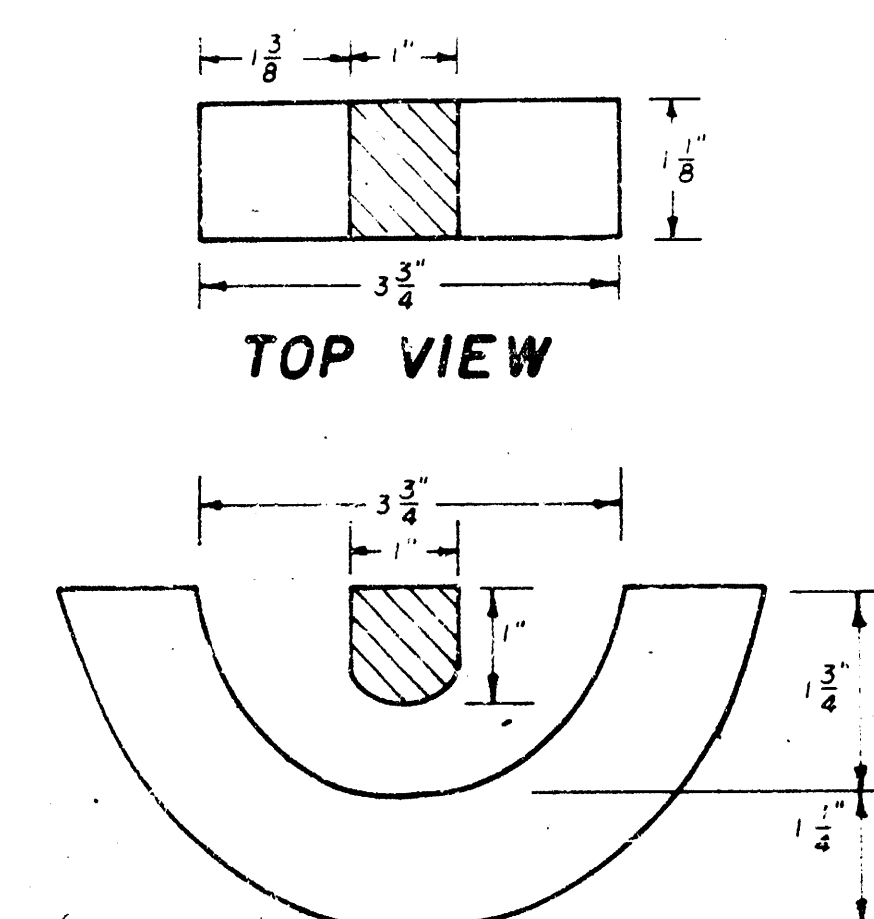


TOP VIEW



BOTTOM VIEW

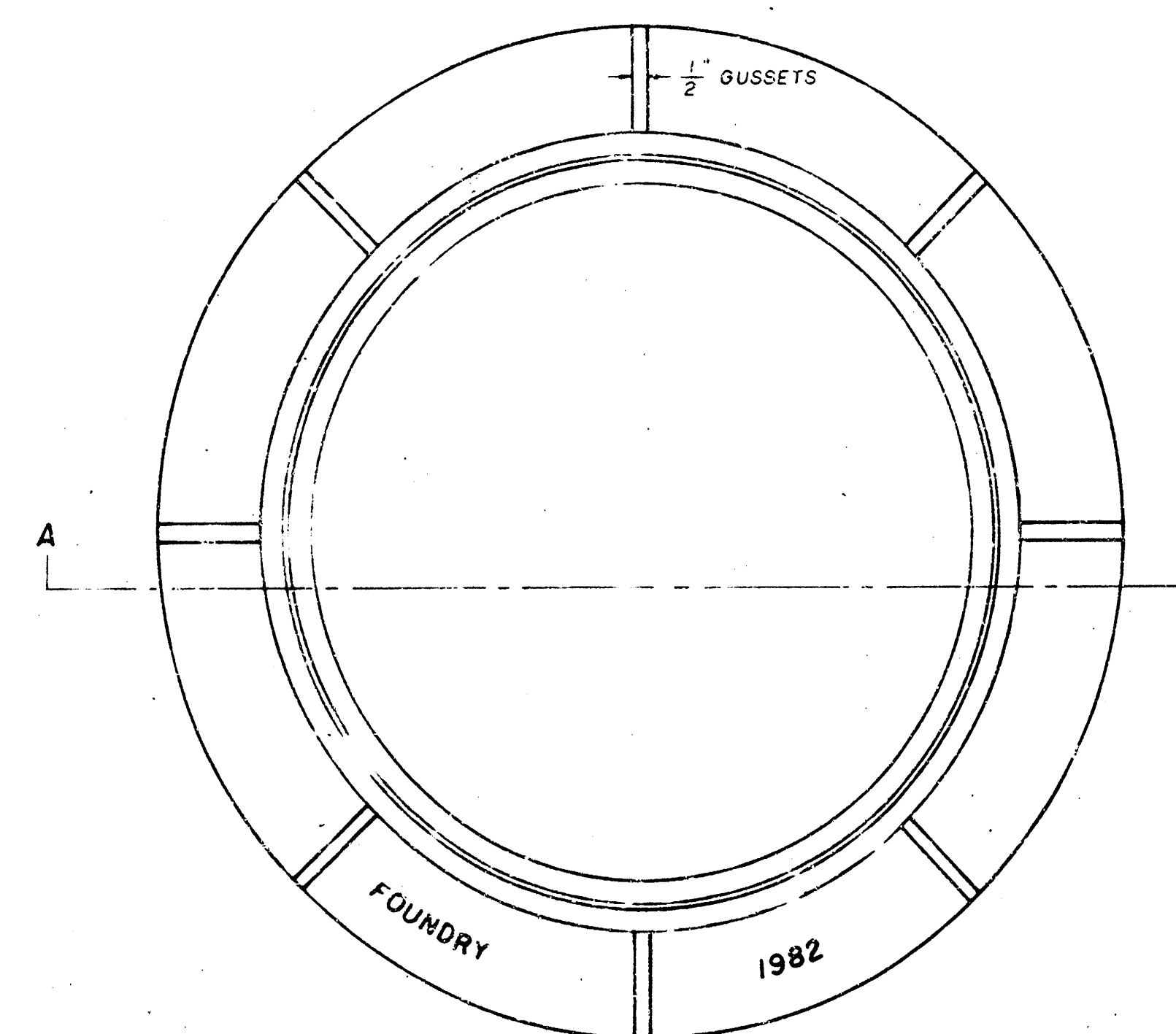
PICKHOLE DETAIL



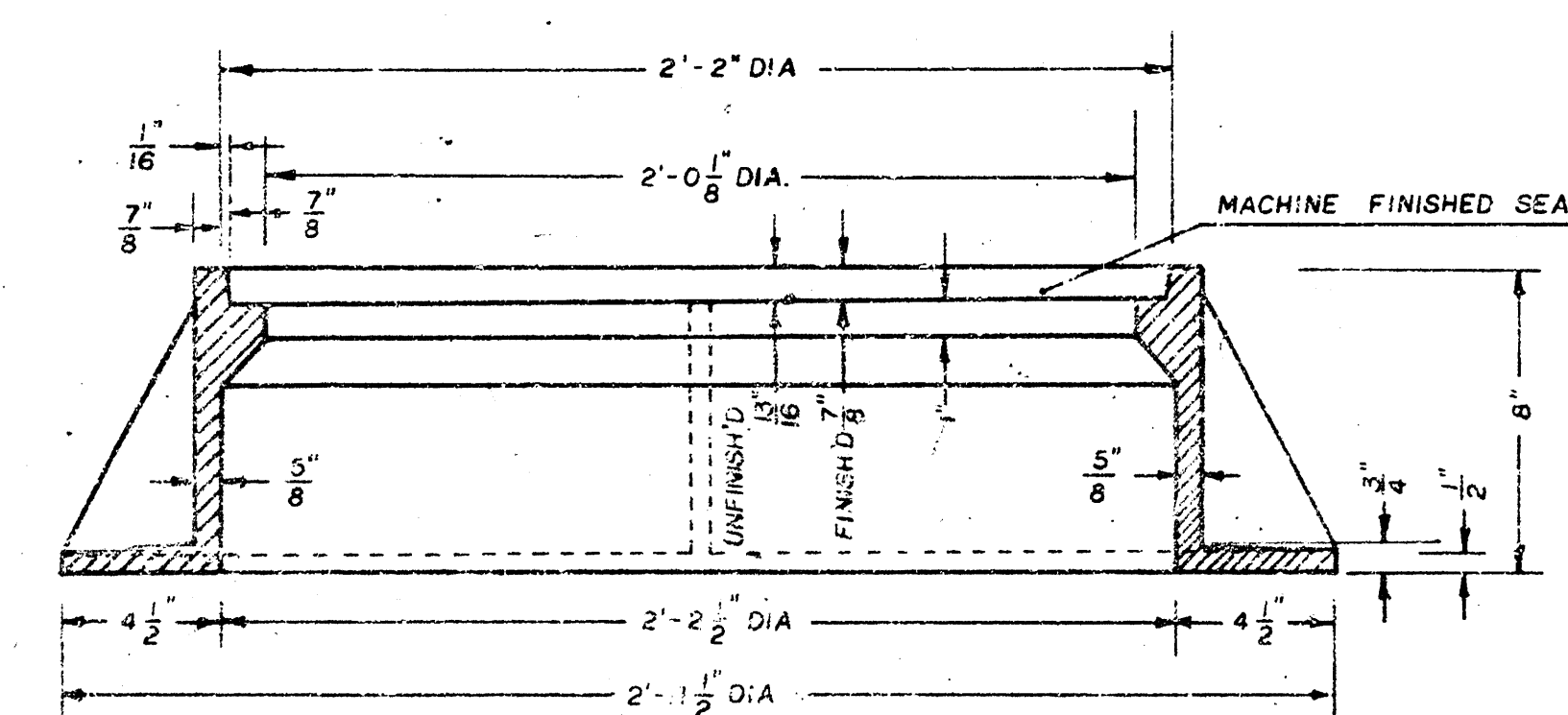
SECTION VIEW

MANHOLE FRAME

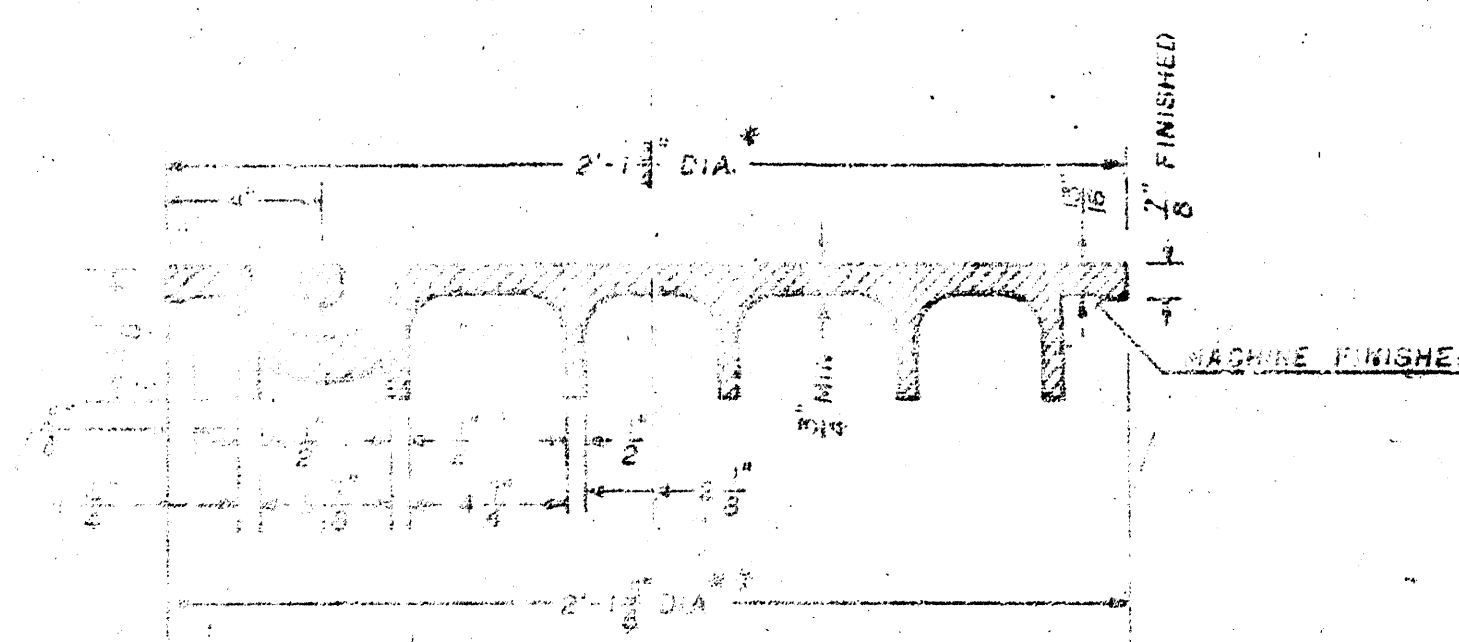
Weight: 240 Lbs.



TOP VIEW



SECTION A-A



SECTION VIEW

GENERAL NOTES

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

C.O.W. Proj. No. 472 75 245 8/1942 000 000 001

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60' 20' 30' 40' 50'

Sta. 10+03
CF=0
LF=0

175
10+00
170

175
9+50
170

170
9+00
165

170
8+50
165

170
8+00
165

170
7+50
165

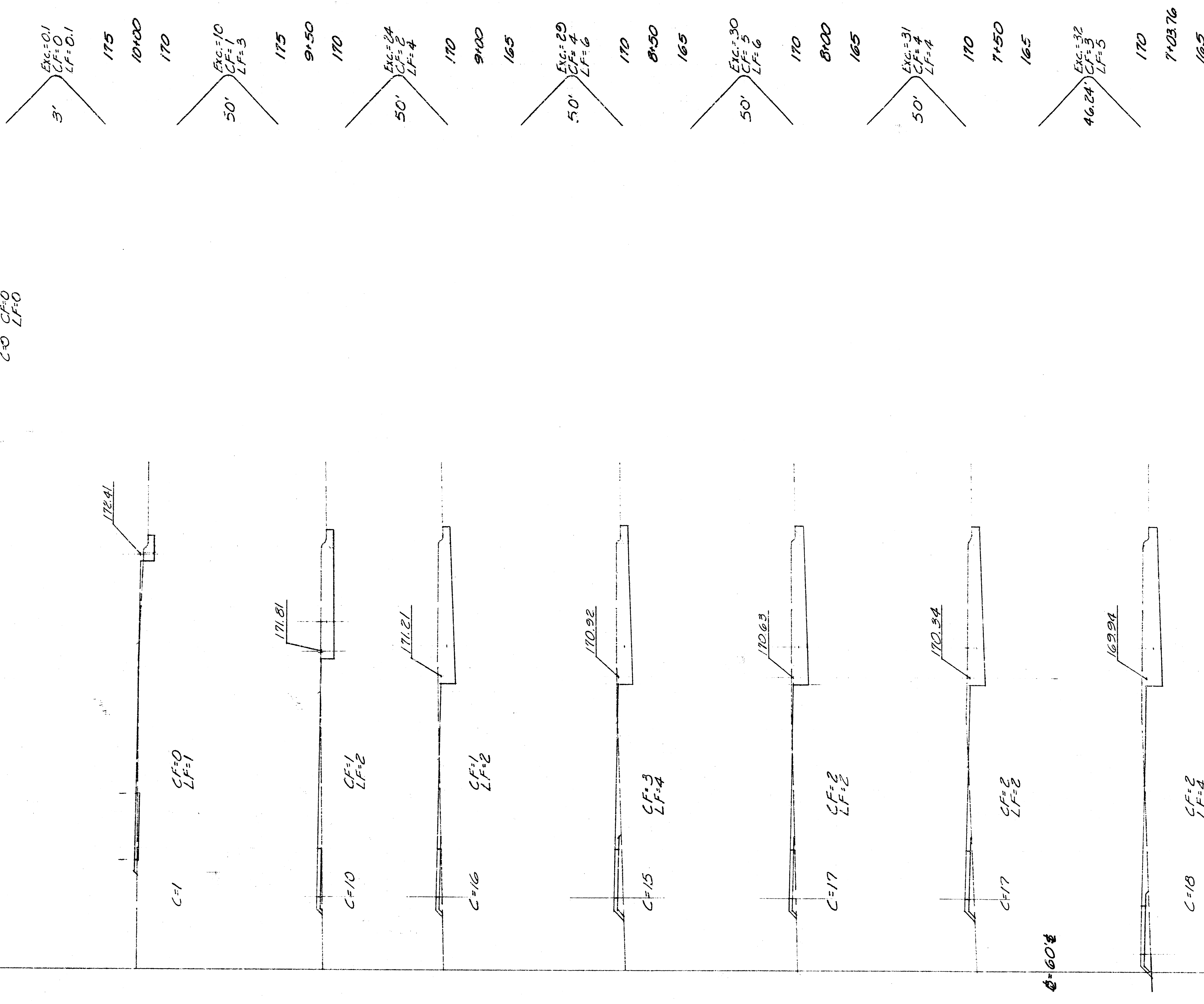
170
7+03.76
165

170
6+52.76
165

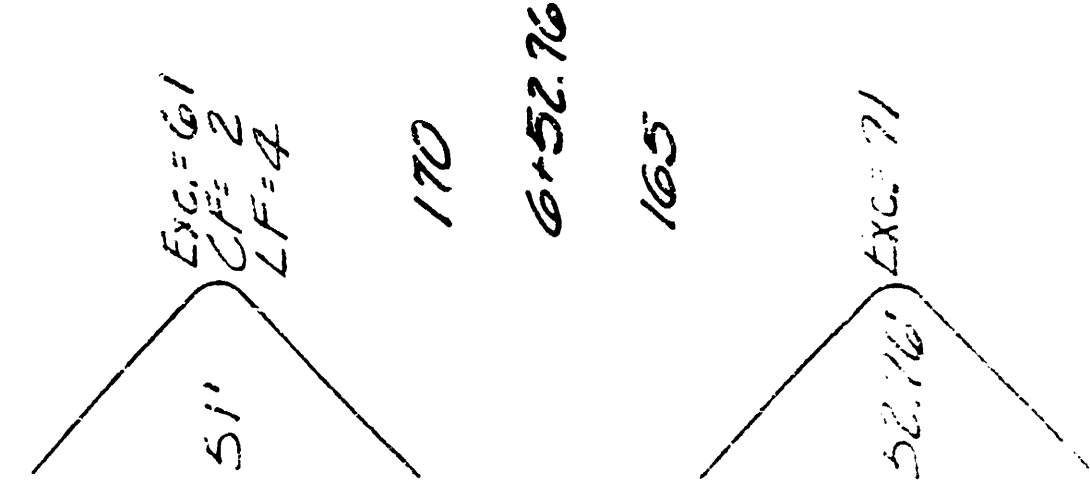
Decel Lane
Sta. 6+52.76 to Sta. 10+03

Sheet 10 of 10

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AVAILABLE COPY....



Corporate Lakes
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Sta. 10+03
CF=0
LF=0

50'