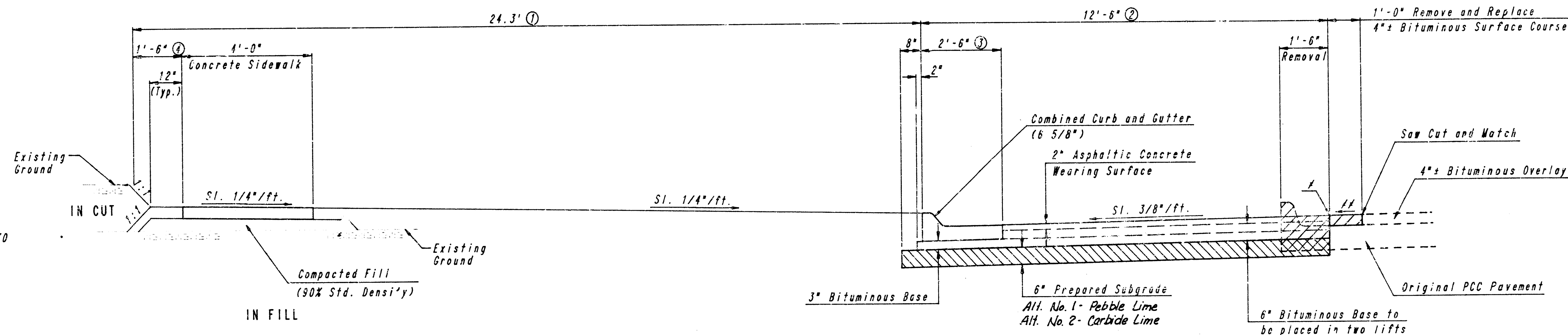


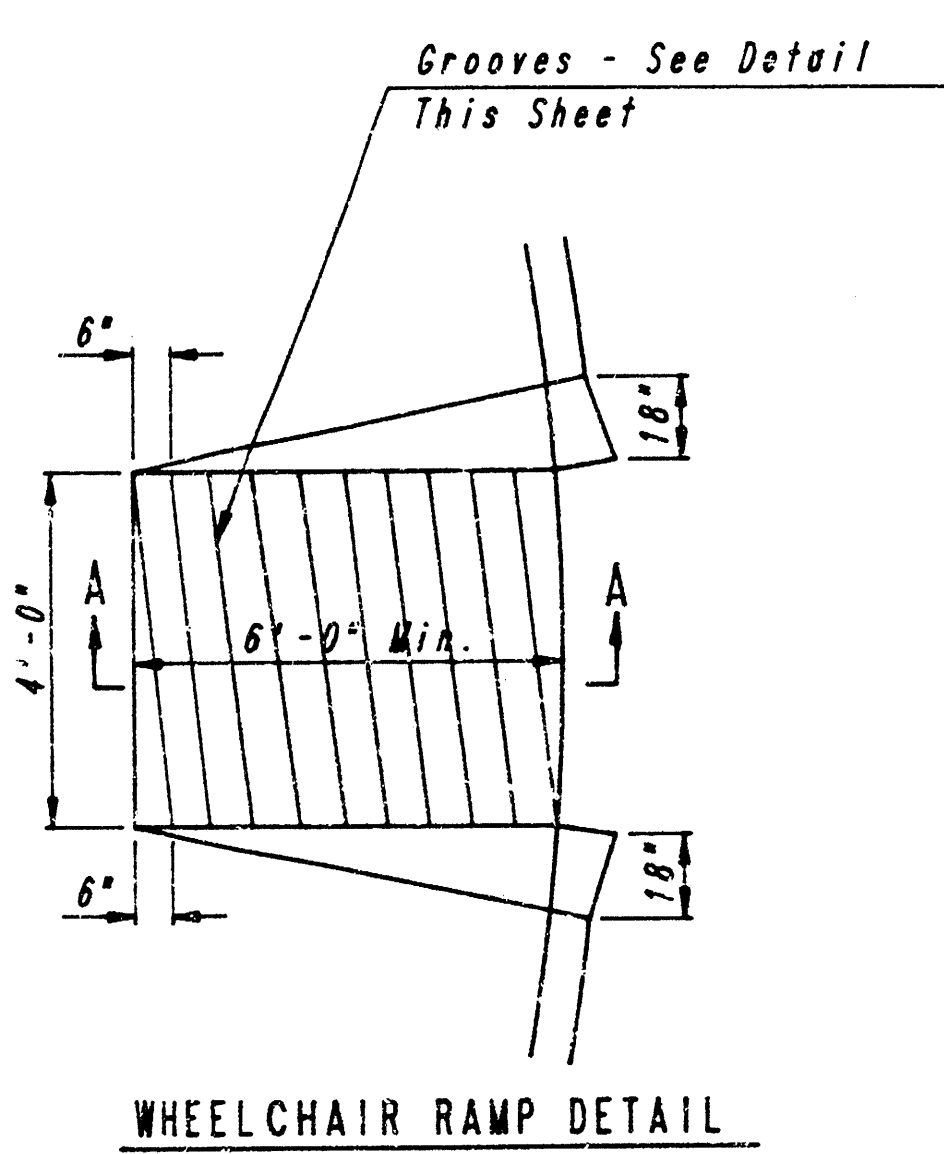
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-81942-000-001	3	10

- 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.

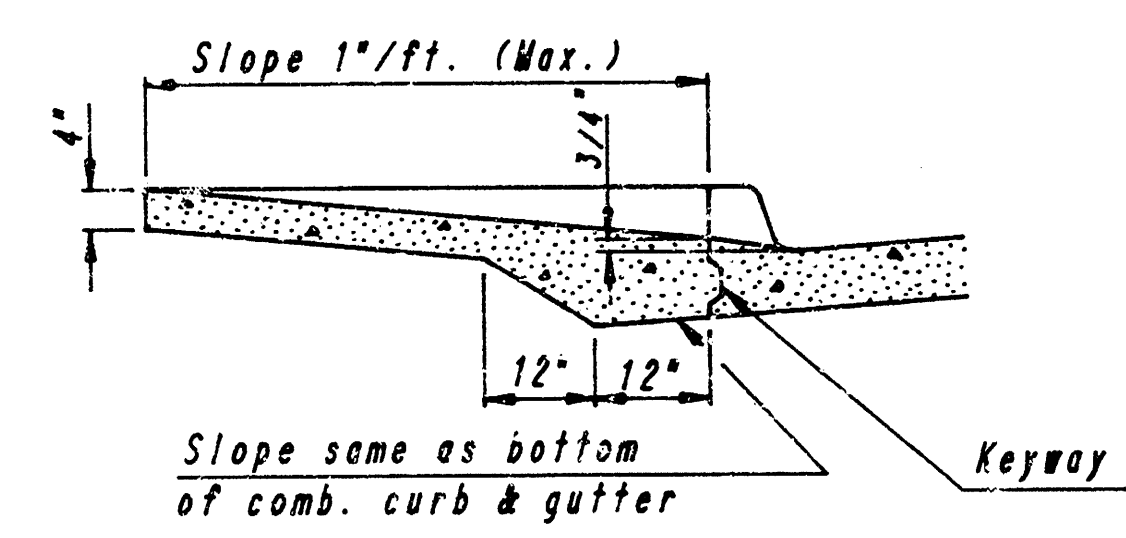


TYPICAL SECTION
Sta. 1+93.50 to Sta. 6+25.76 &
Sta. 7+03.76 to Sta. 10+03

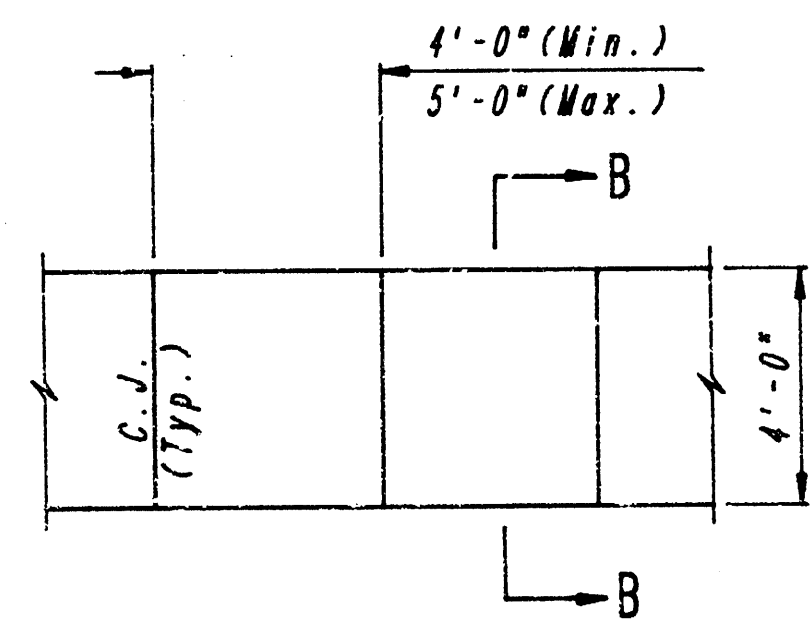
SAW CUT AND REMOVE EXISTING PAVEMENT (PCC PAVEMENT, MONOLITHIC EDGE CURB AND 4" BITUMINOUS OVERLAY). 0.19' BELOW T.C.
SLOPE VARIES TO MATCH EXISTING



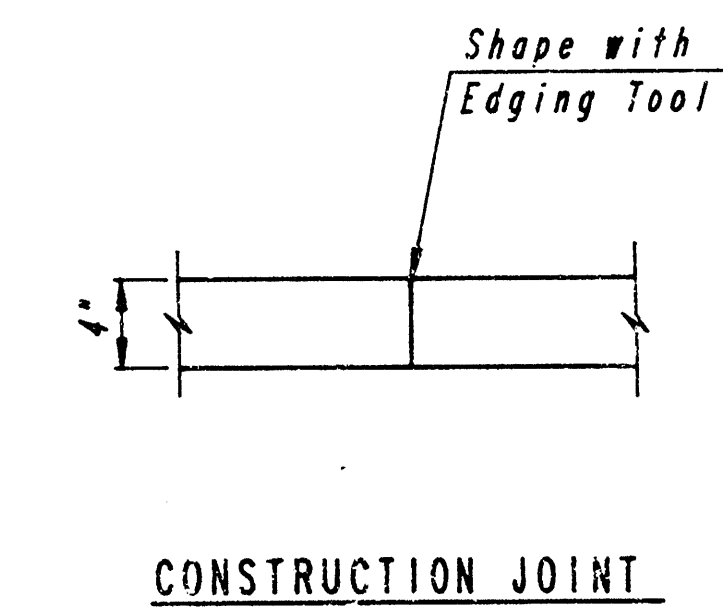
WHEELCHAIR RAMP DETAIL



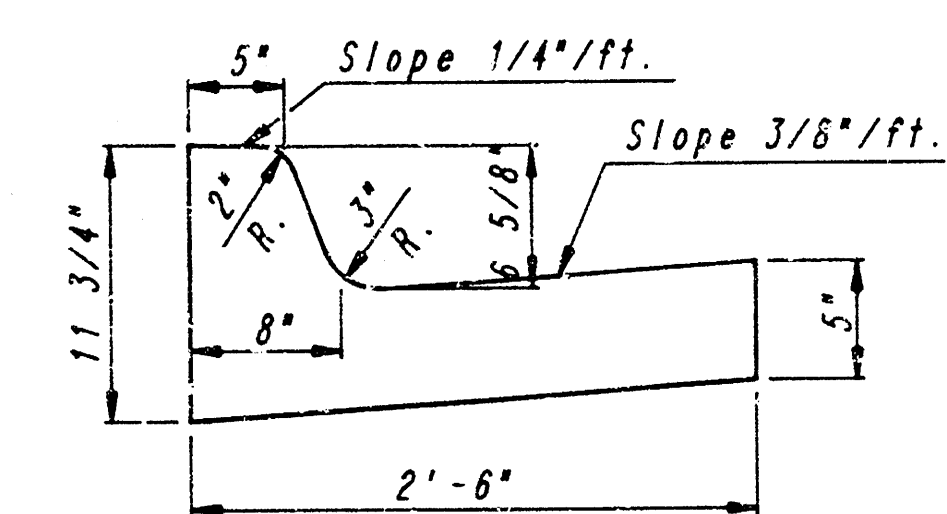
SECTION A-A



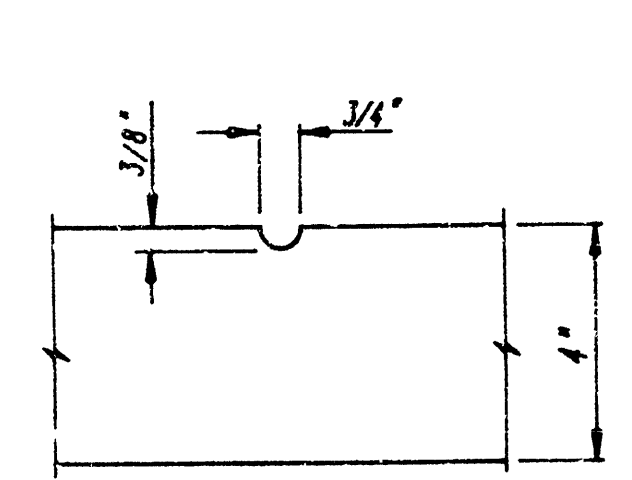
PLAN



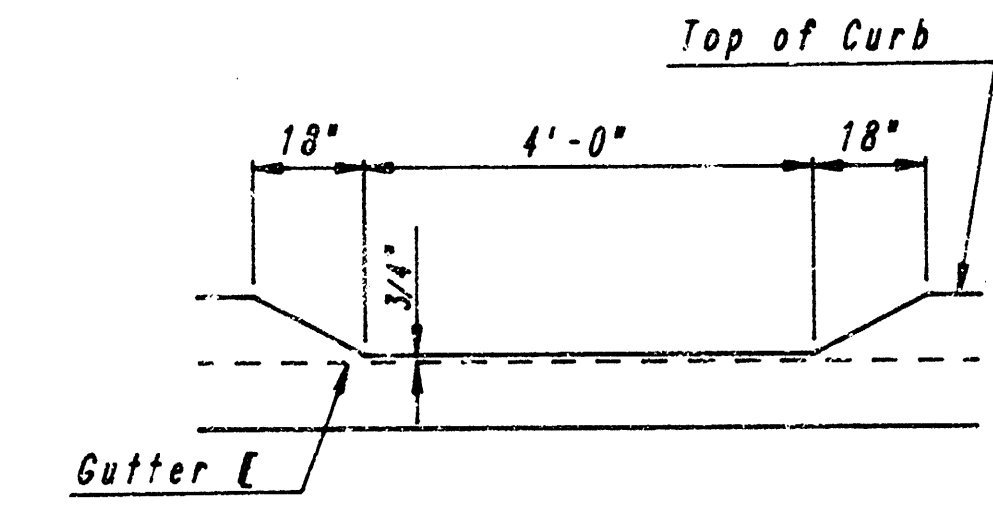
CONSTRUCTION JOINT



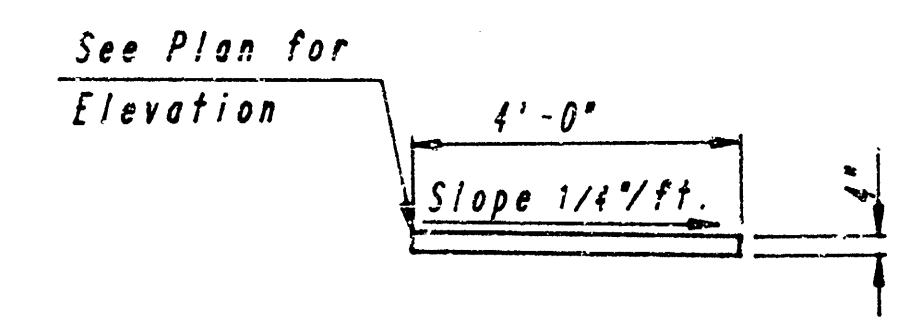
COMBINED CURB & GUTTER



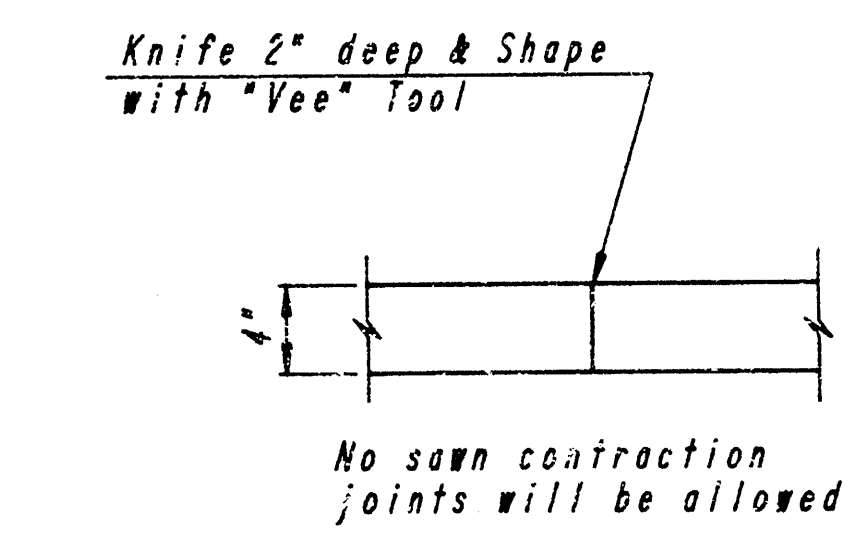
GROOVE DETAIL



DEPRESSED CURB DETAIL



SECTION B-B



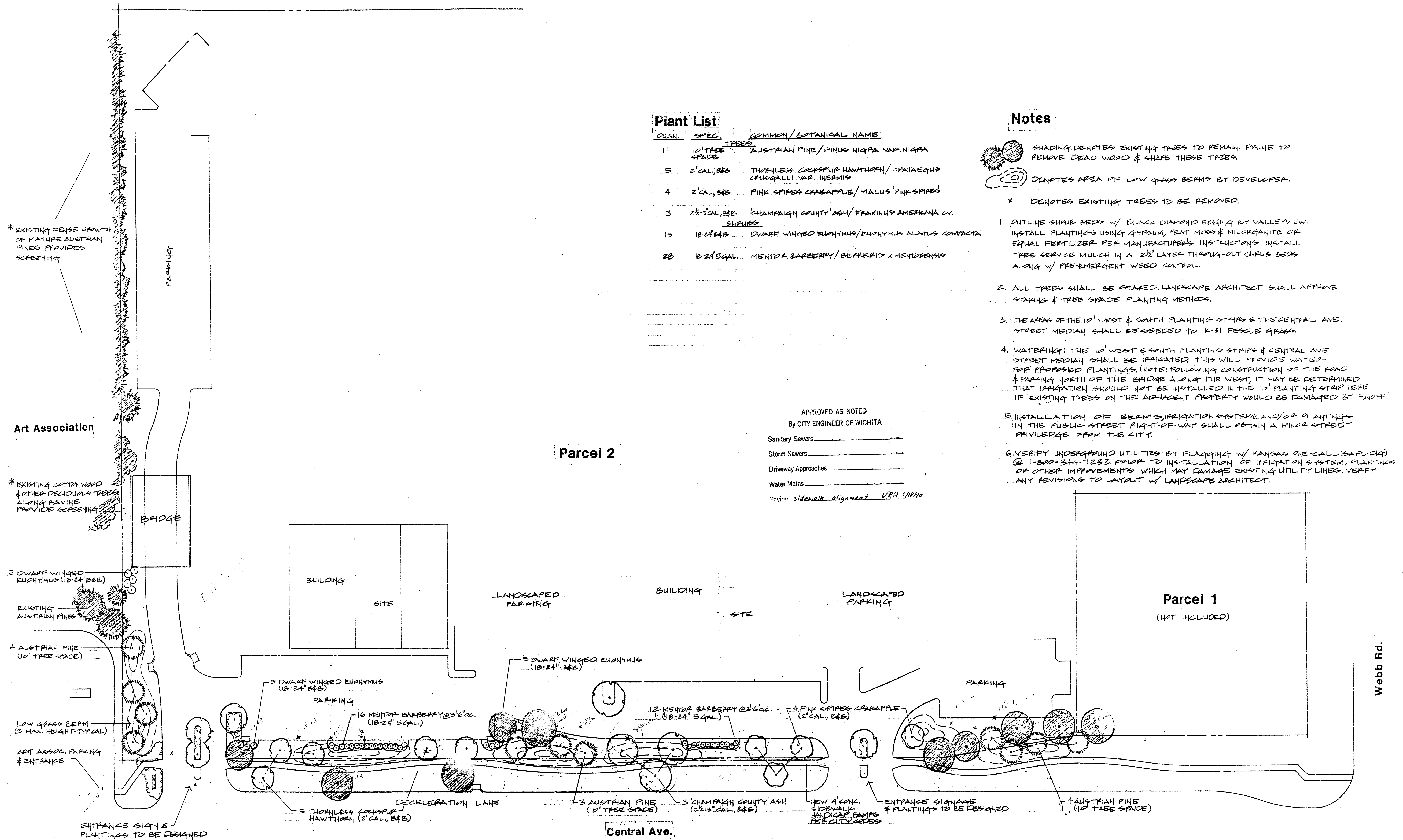
CONTRACTION JOINT

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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Plant List

QUAN.	SPEC.	COMMON/BOTANICAL NAME
1	10' TREE SPACE	AUSTRIAN PINE/PINUS NIGRA VAR. NIGRA
5	2" CAL., B&B	THORNLESS COCKSPUR HAWTHORN/CRATAEGUS CRUSGALLI VAR. INERMIS
4	2" CAL., B&B	PINK SPIRES CHESAPEAKE/MALUS 'PINK SPIRES'
3	26-33" CAL., B&B	CHAMPAIGN COUNTY ASH/FRAXINUS AMERKANA CV.
15	18-24" B&B	DWARF WINGED EUONYMUS/EUONYMUS ALATUS COMPACTA
28	18-24" 5 GAL.	MENTOR BARBERRY/BERBERIS X MENTORENSIS

Notes

- SHADING DENOTES EXISTING TREES TO REMAIN. PRUNE TO REMOVE DEAD WOOD & SHAPE THESE TREES.
- DENOTES AREA OF LOW GRASS BERMS BY DEVELOPER.
- DENOTES EXISTING TREES TO BE REMOVED.
- OUTLINE SHRUB BEDS W/ BLACK DIAMOND EDGING BY VALLEYVIEW. INSTALL PLANTINGS USING GYPHONIUM, PEAT MOSS & MILORGANITE OR EQUAL FERTILIZER PER MANUFACTURER'S INSTRUCTIONS. INSTALL TREE SERVICE MULCH IN A 2" LAYER THROUGHOUT SHRUB BEDS ALONG W/ PRE-EMERGENT WEED CONTROL.
- ALL TREES SHALL BE STAKED. LANDSCAPE ARCHITECT SHALL APPROVE STAKING & TREE SHAPE PLANTING METHODS.
- THE AREAS OF THE 10' WEST & SOUTH PLANTING STRIPS & THE CENTRAL AVE. STREET MEDIAN SHALL BE SEED TO K-31 FESCUE GRASS.
- WATERING: THE 10' WEST & SOUTH PLANTING STRIPS & CENTRAL AVE. STREET MEDIAN SHALL BE IRRIGATED THIS WILL PROVIDE WATER FOR PROPOSED PLANTINGS. (NOTE: FOLLOWING CONSTRUCTION OF THE ROAD & PARKING NORTH OF THE BRIDGE ALONG THE WEST, IT MAY BE DETERMINED THAT IRRIGATION SHOULD NOT BE INSTALLED IN THE 10' PLANTING STRIP HERE IF EXISTING TREES ON THE ADJACENT PROPERTY WOULD BE DAMAGED BY RUNOFF.
- INSTALLATION OF BERMS, IRRIGATION SYSTEMS AND/OR PLANTINGS IN THE PUBLIC STREET RIGHT-OF-WAY SHALL OBTAIN A MINOR STREET PRIVILEGE FROM THE CITY.
- VERIFY UNDERGROUND UTILITIES BY FLAGGING W/ KANSAS ONE-CALL (SAFE-DIG) @ 1-800-344-7233 PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, PLANTINGS OR OTHER IMPROVEMENTS WHICH MAY DAMAGE EXISTING UTILITY LINES. VERIFY ANY REVISIONS TO LAYOUT W/ LANDSCAPE ARCHITECT.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers _____
Driveway Approaches _____
Water Mains _____
Proposed sidewalk alignment VRIH 5/18/90

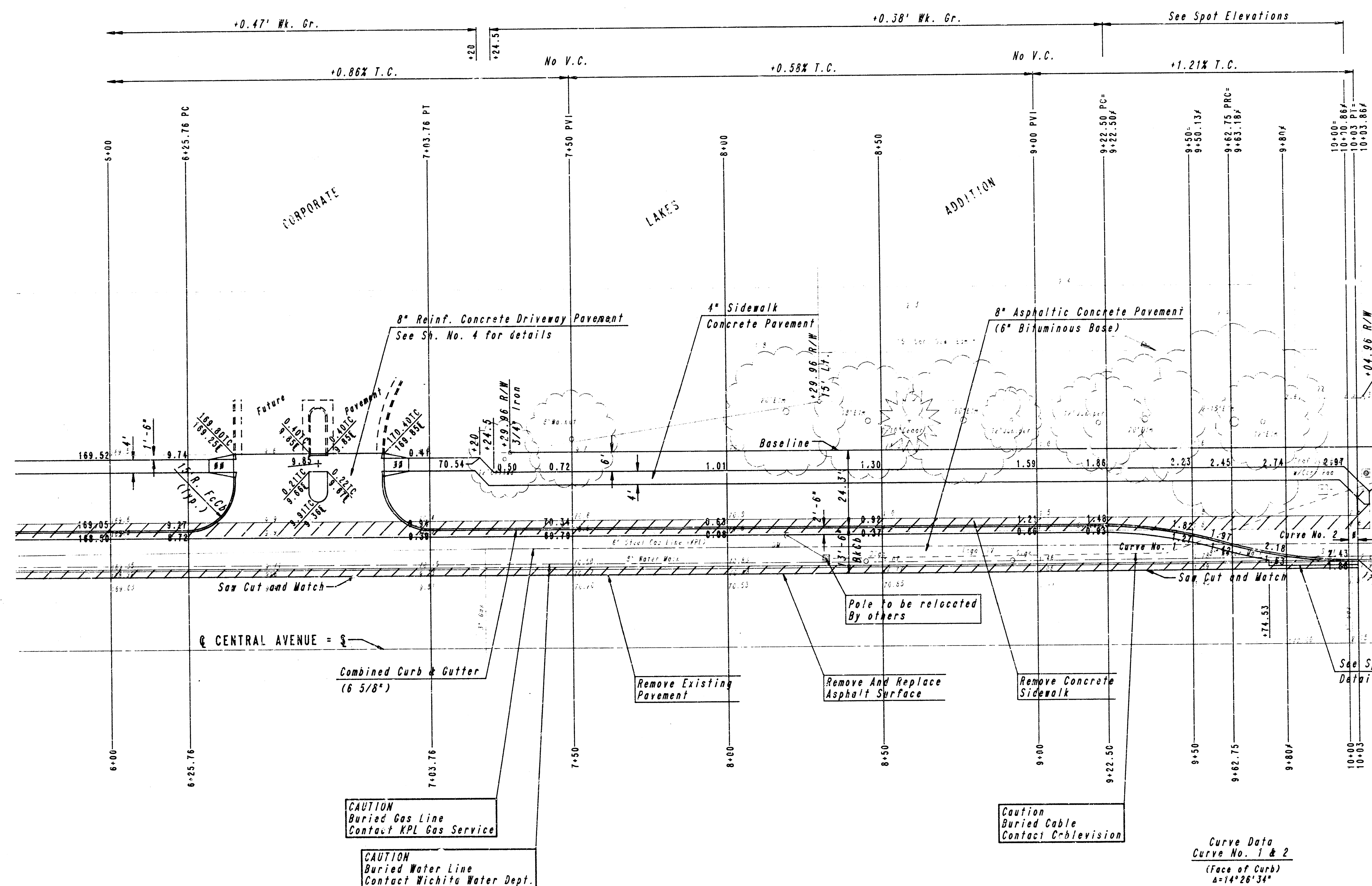
ATTACHED TO Decel Lane on N. Side of Central (472-81942-001)

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

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

SCALE: 1" = 20'

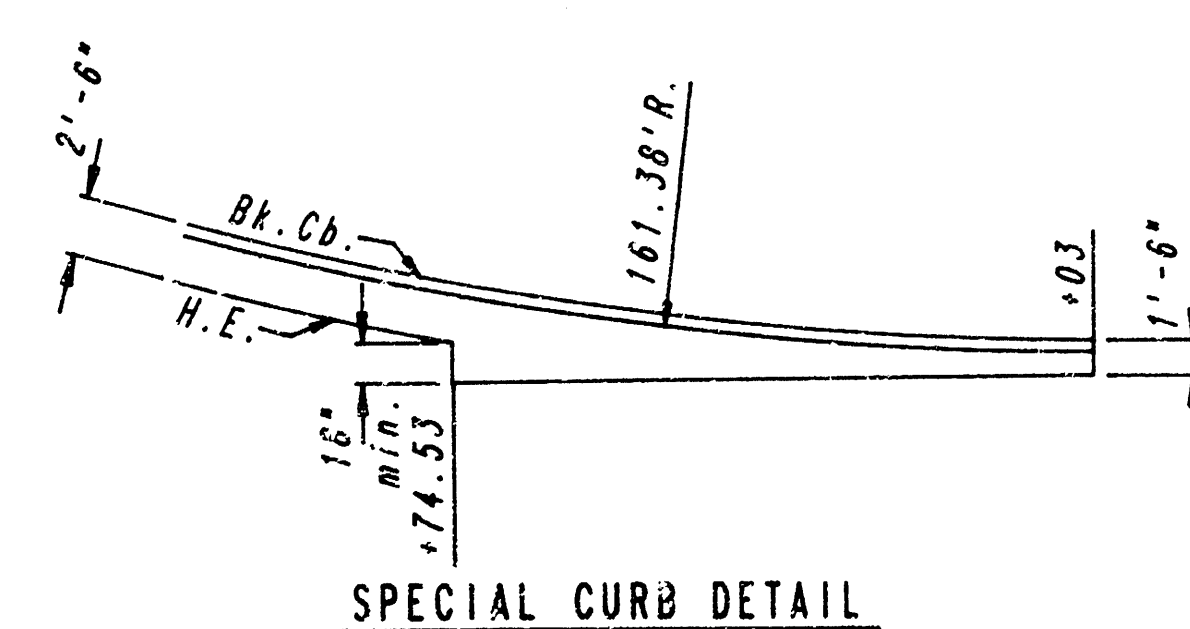


CURVE NO. 1 STAKING DATA									
CURVE DATA BASED ON RADIUS TO 8' BEHIND FACE OF CURB									
A=14°28'34"	B=33°49'38"	R=169.38'	L=42.70'	T=21.46'	E=1.35'				
FACE CURB STATION	ARC LENGTH ALONG FACE CURB	ARC LENGTH ALONG 8' OFFSET	CHD LENGTH 8' OFF FC. OF CB.	DEFLECTION ANGLE	TOTAL DEFLECTION	REMARKS			
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+86	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.



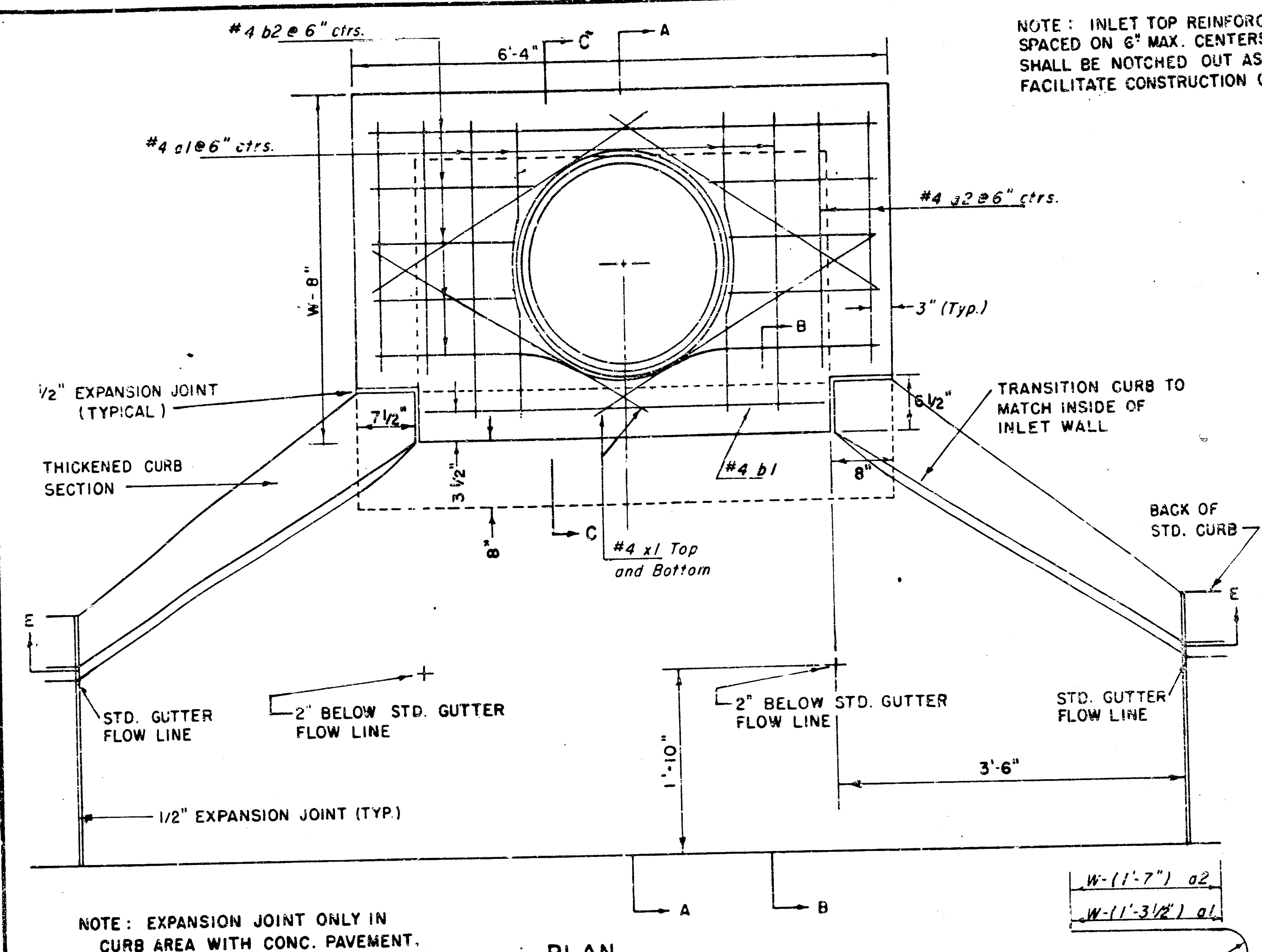
To be bid as
"Combined Curb and Gutter (6 5/8")"

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'

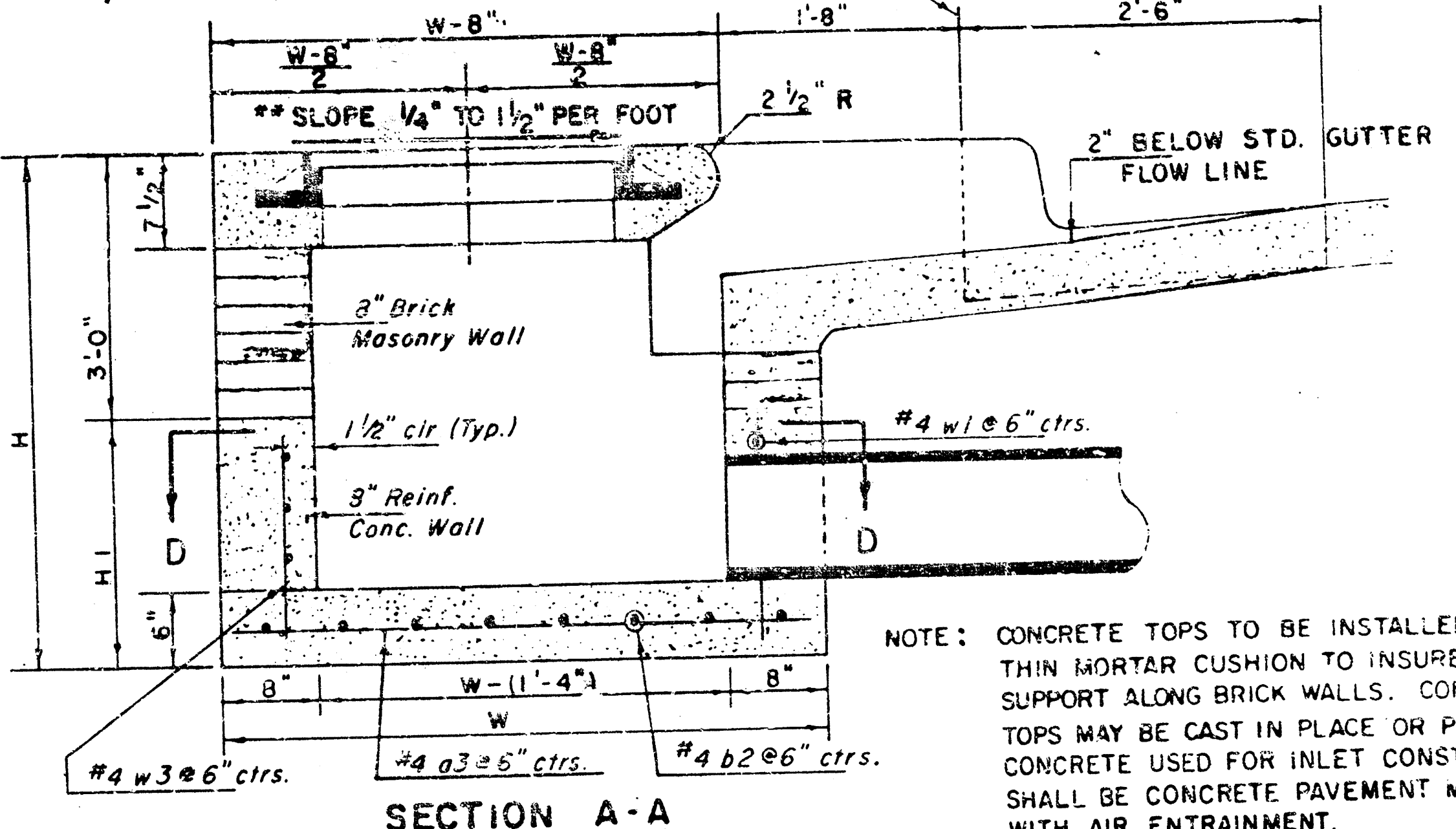
- * MATCH EXISTING
- / FACE OF CURB STATION
- * TRANSITION TOP OF CURB TO MATCH EXISTING
- * CONSTRUCT STD. WHEELCHAIR RAMPS

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.



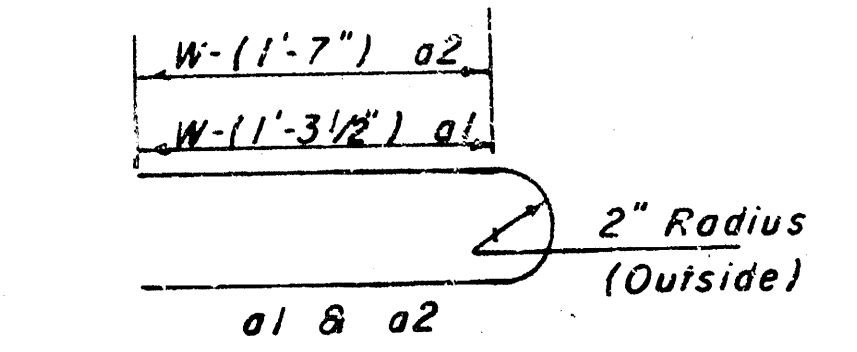
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX WITH AIR ENTRAINMENT.

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	#4	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

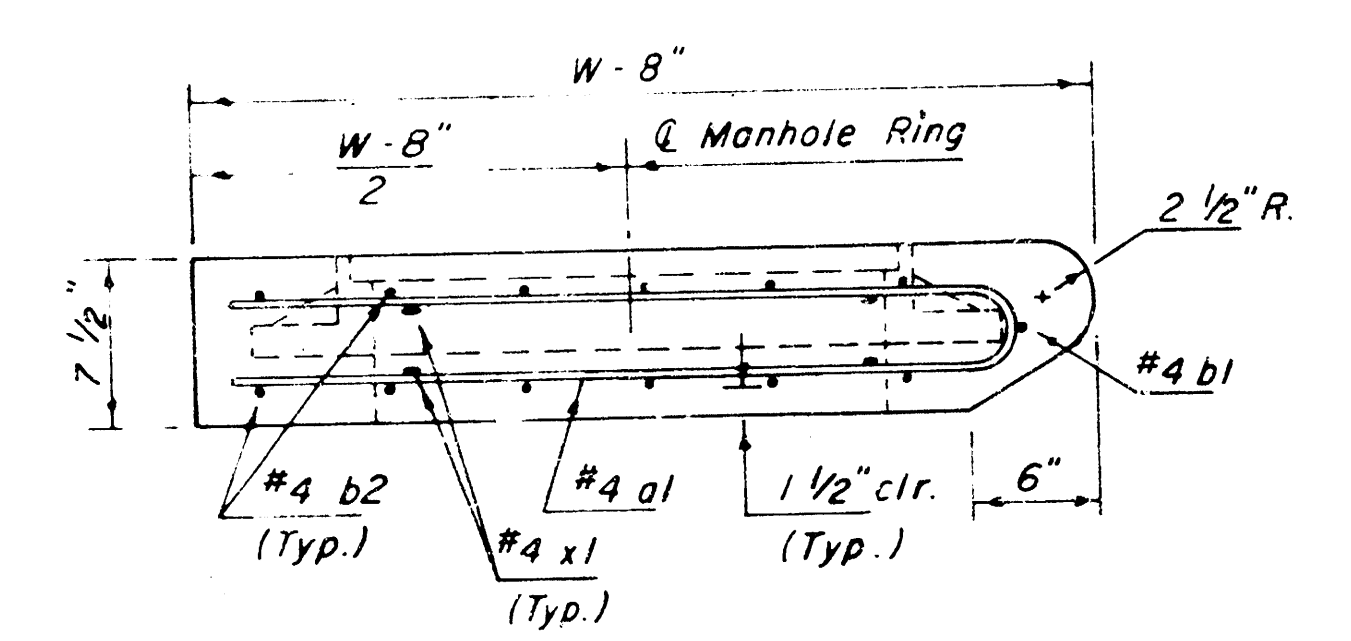
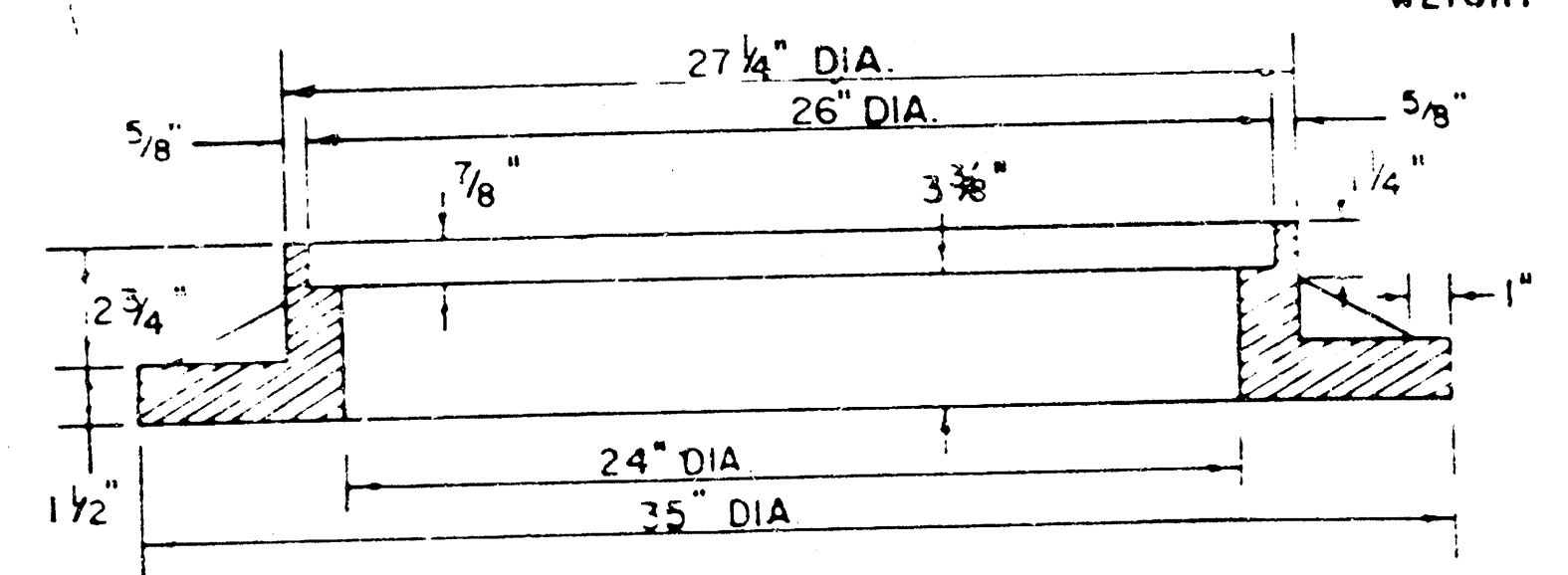
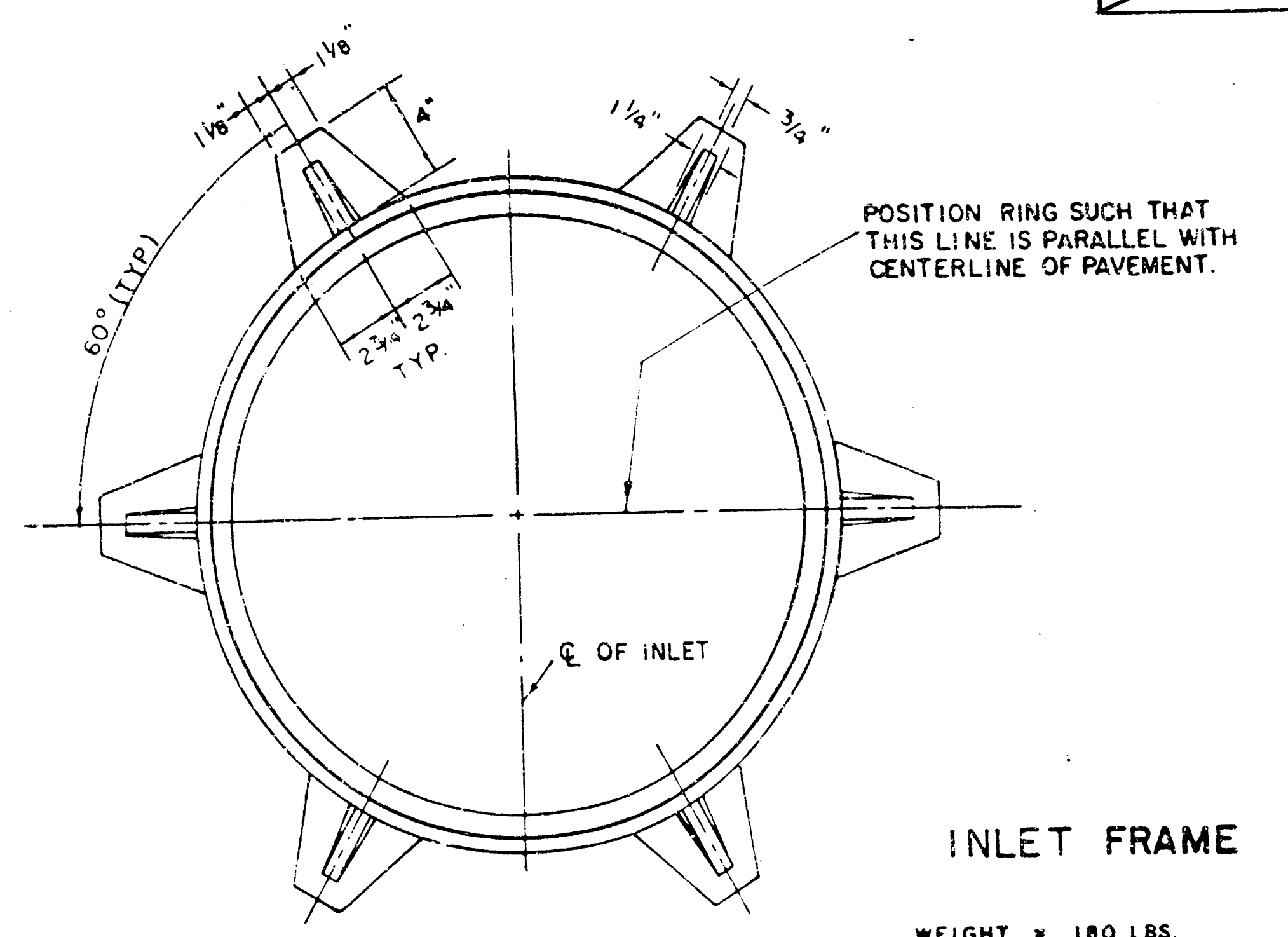
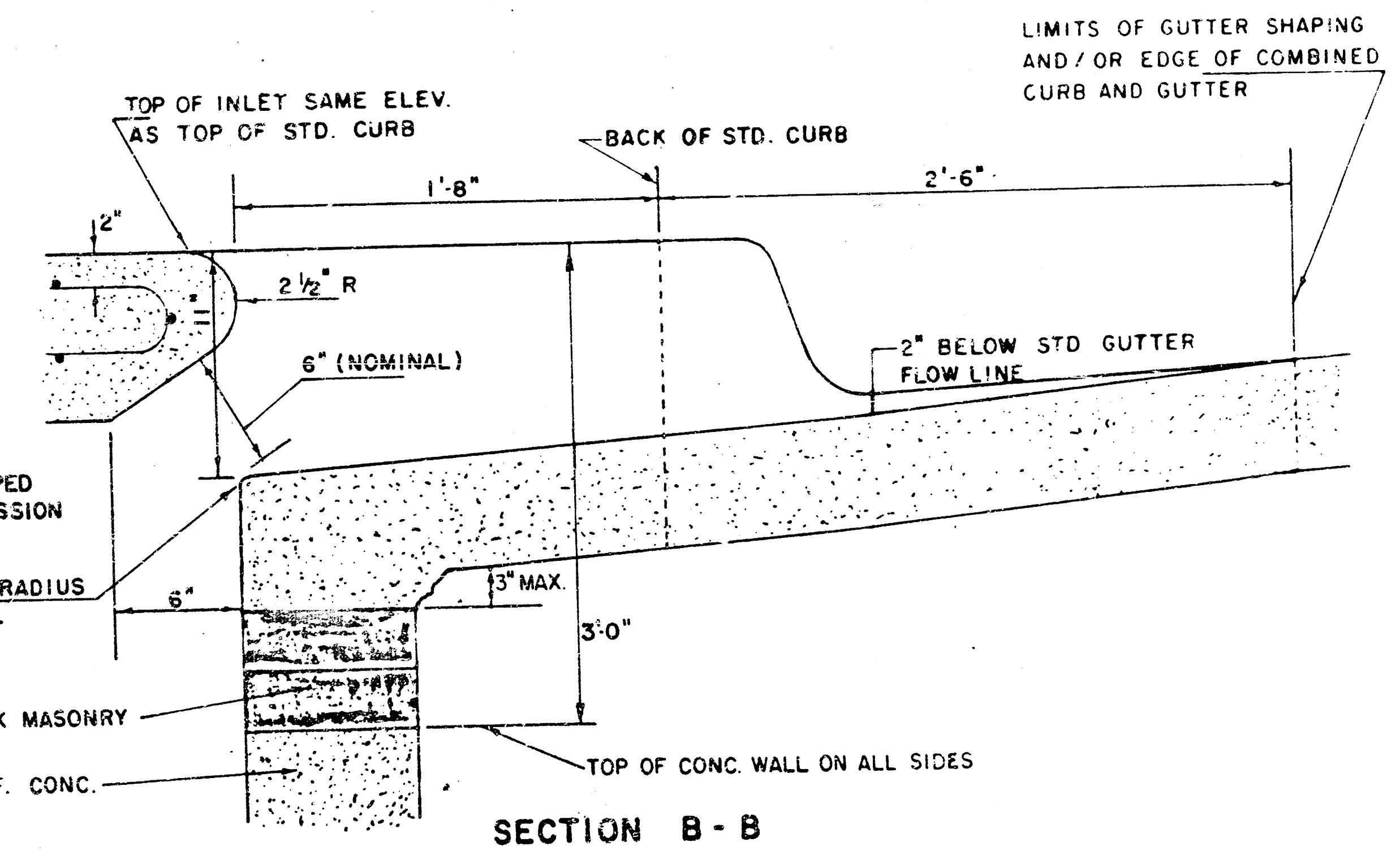
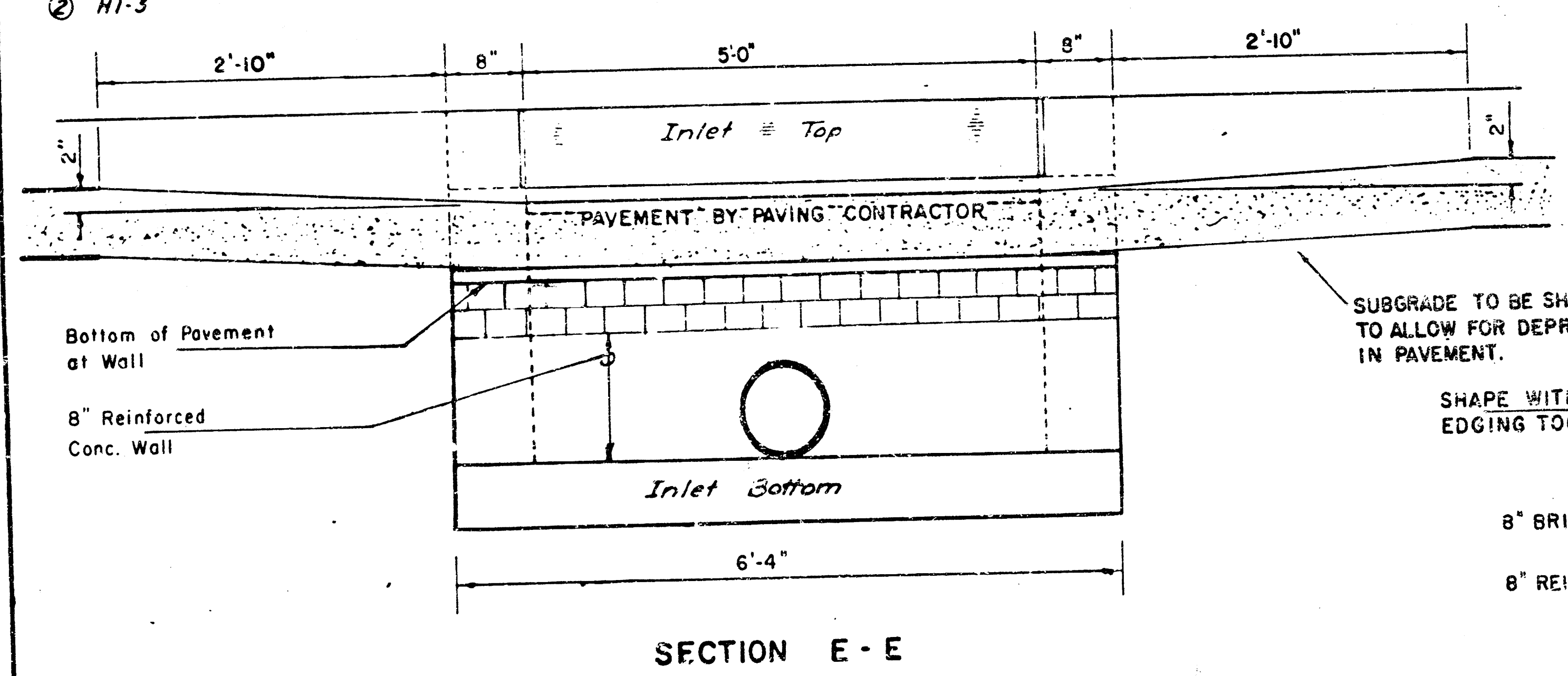
* Field bend or cut reinforcing as required for clearance.

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.



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

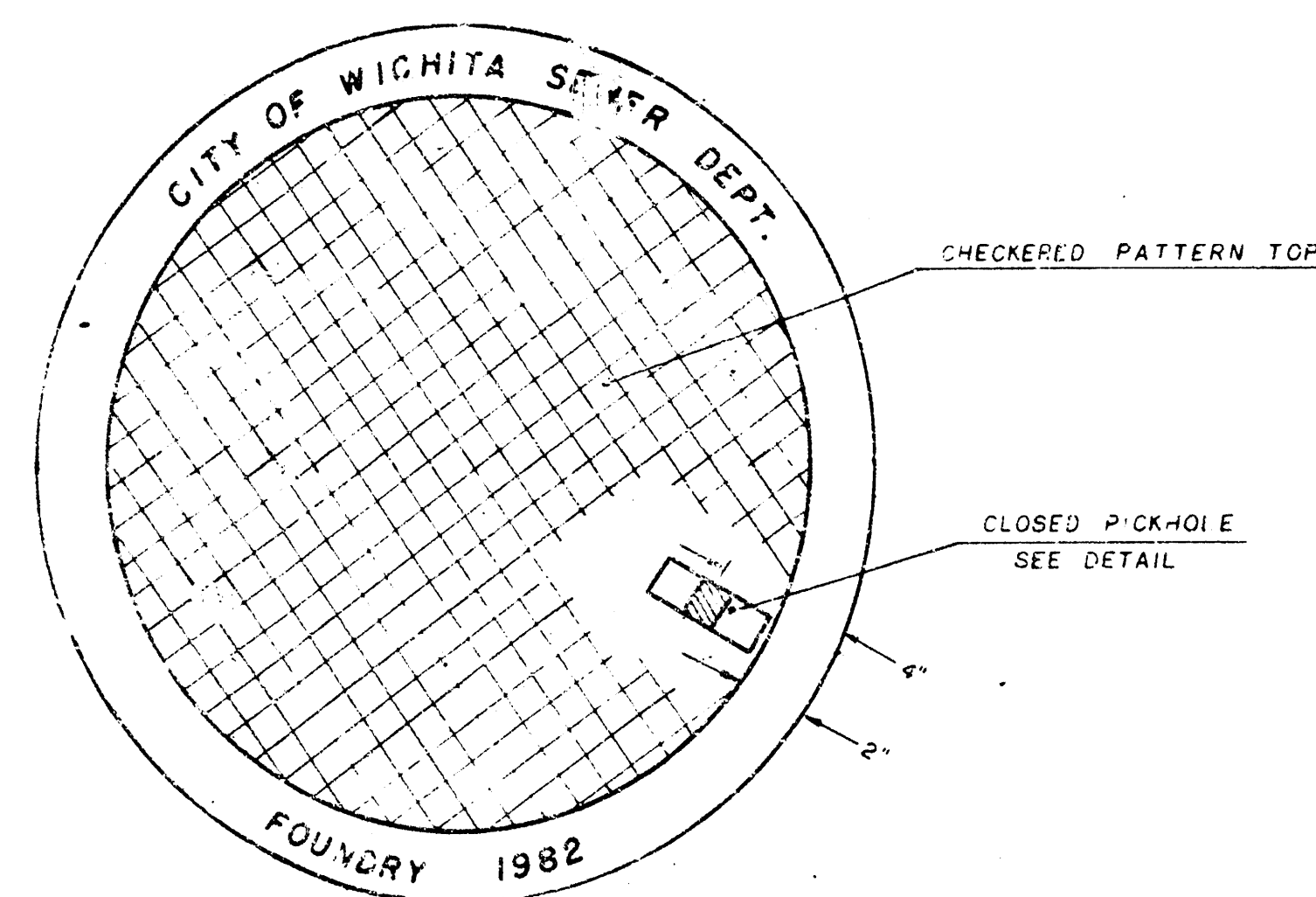
ADOPTED AS STANDARD DESIGN

BY

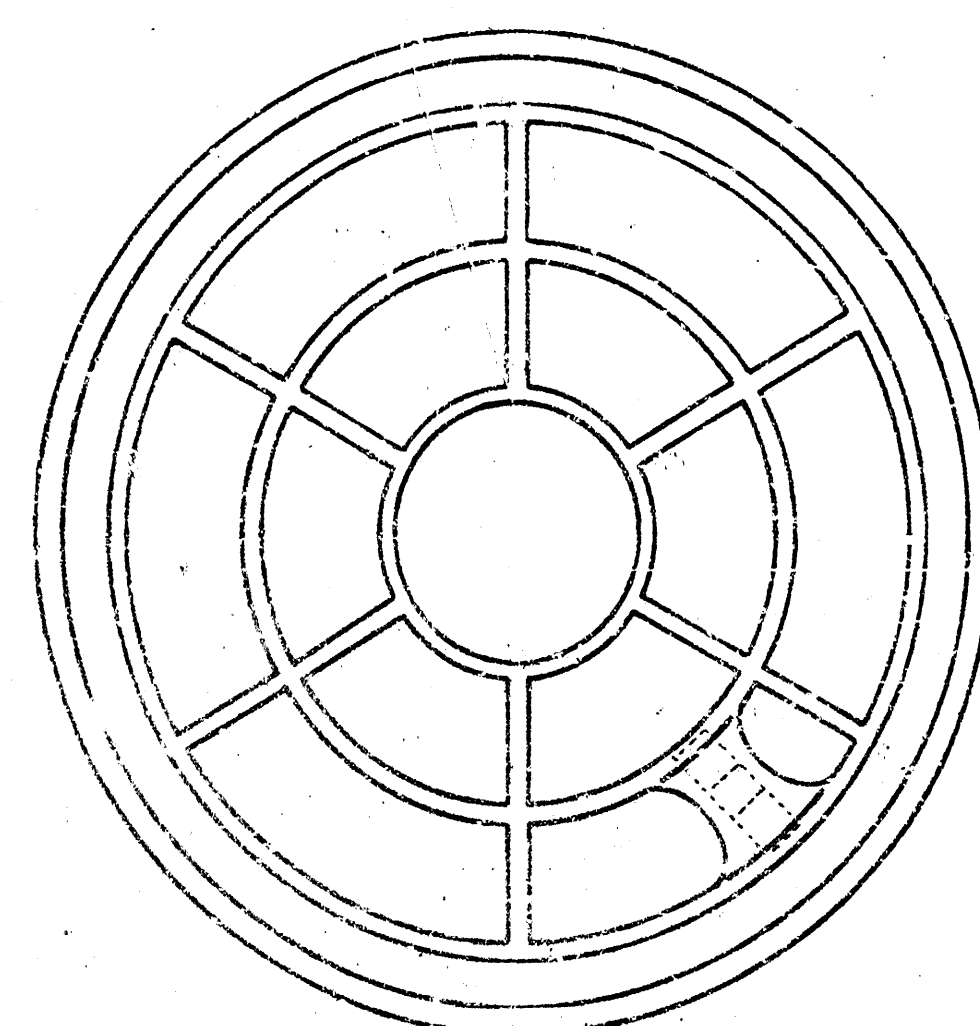
City of Wichita, Kansas

MANHOLE COVER

Weight: 180 Lbs.

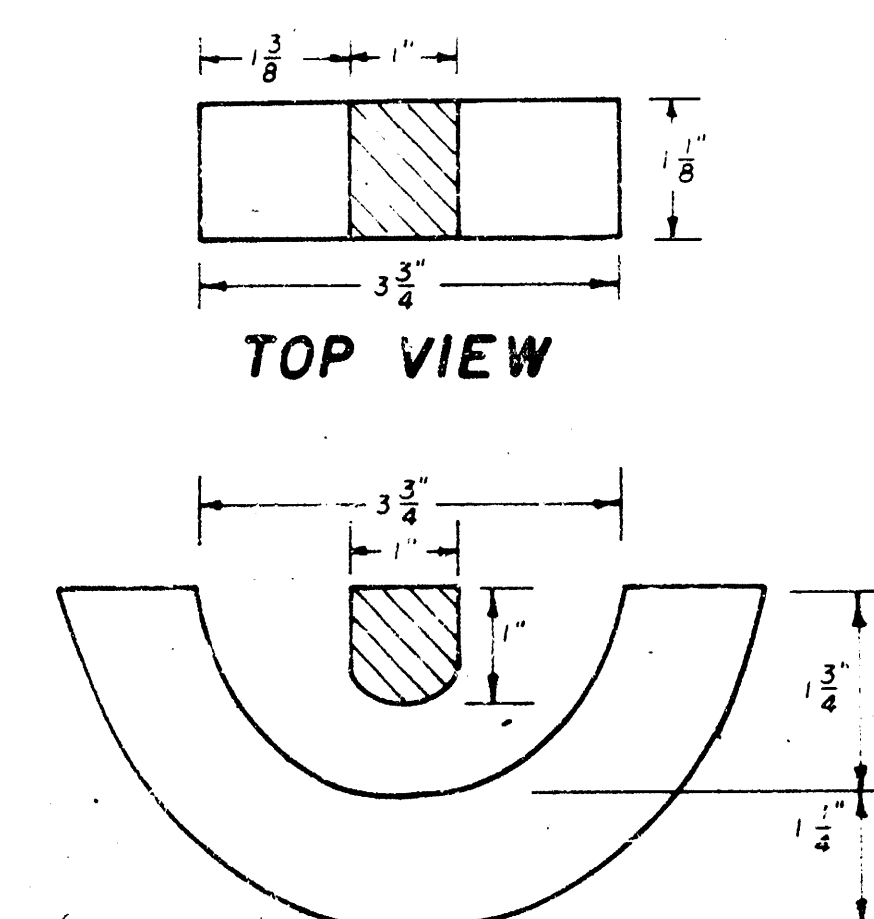


TOP VIEW



BOTTOM VIEW

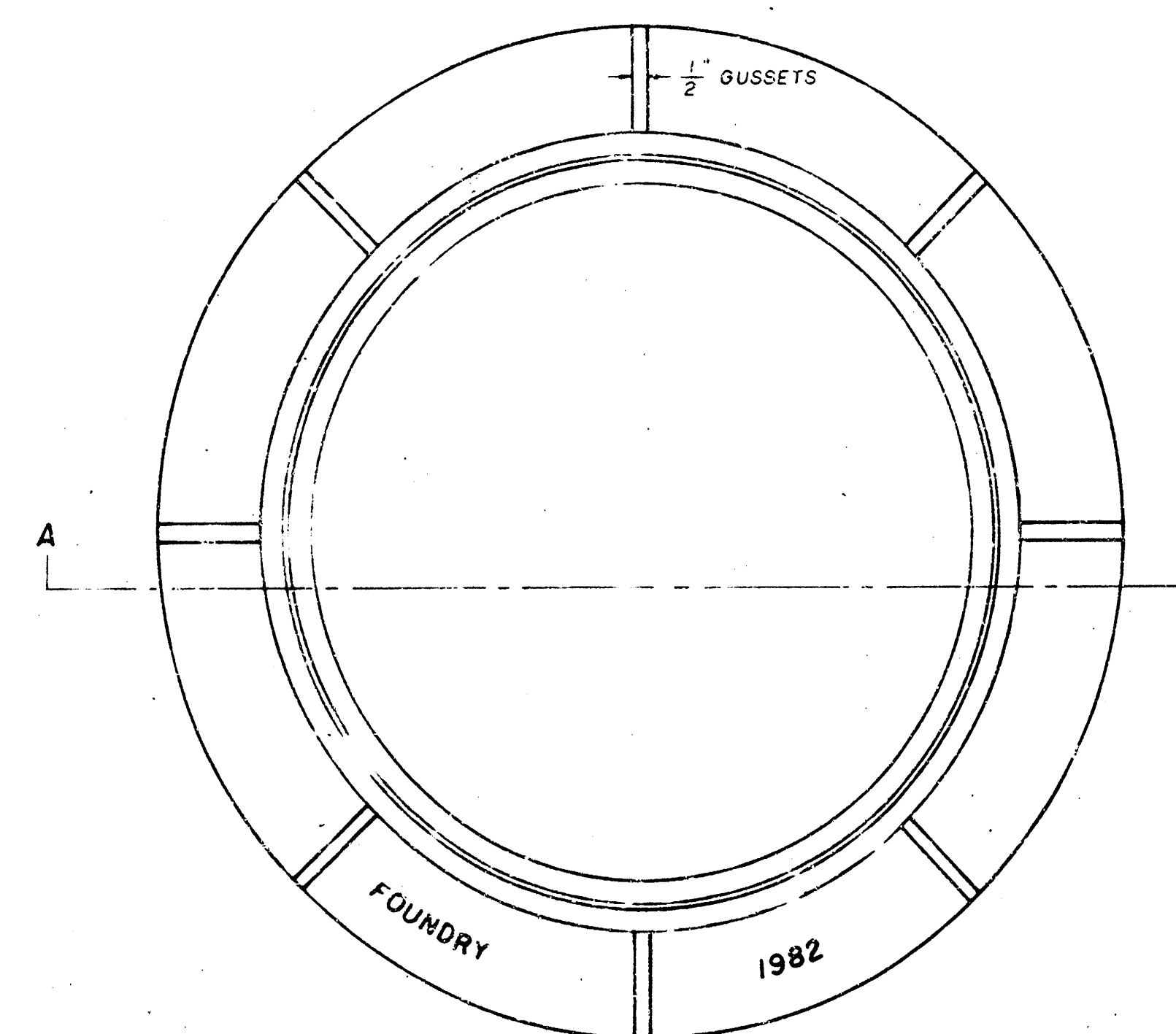
PICKHOLE DETAIL



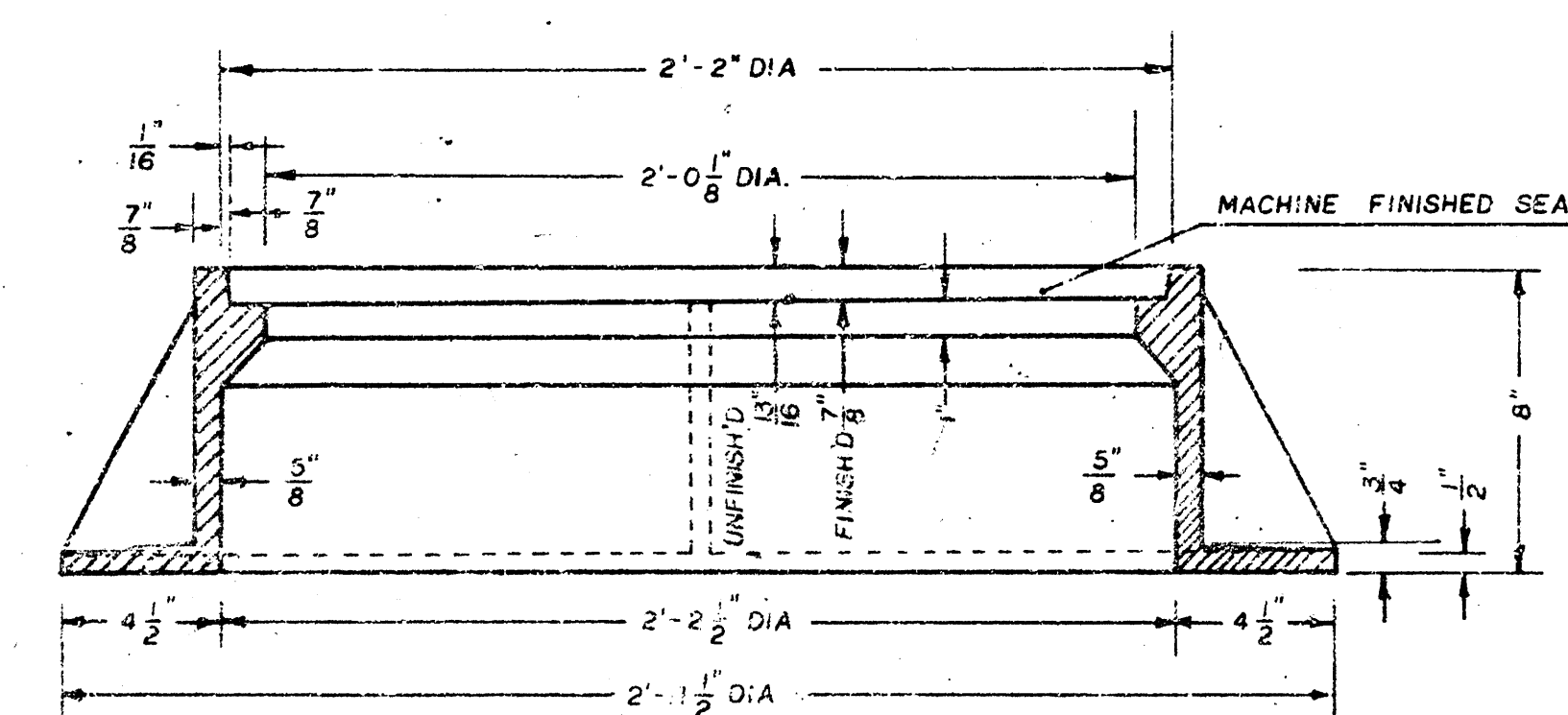
SECTION VIEW

MANHOLE FRAME

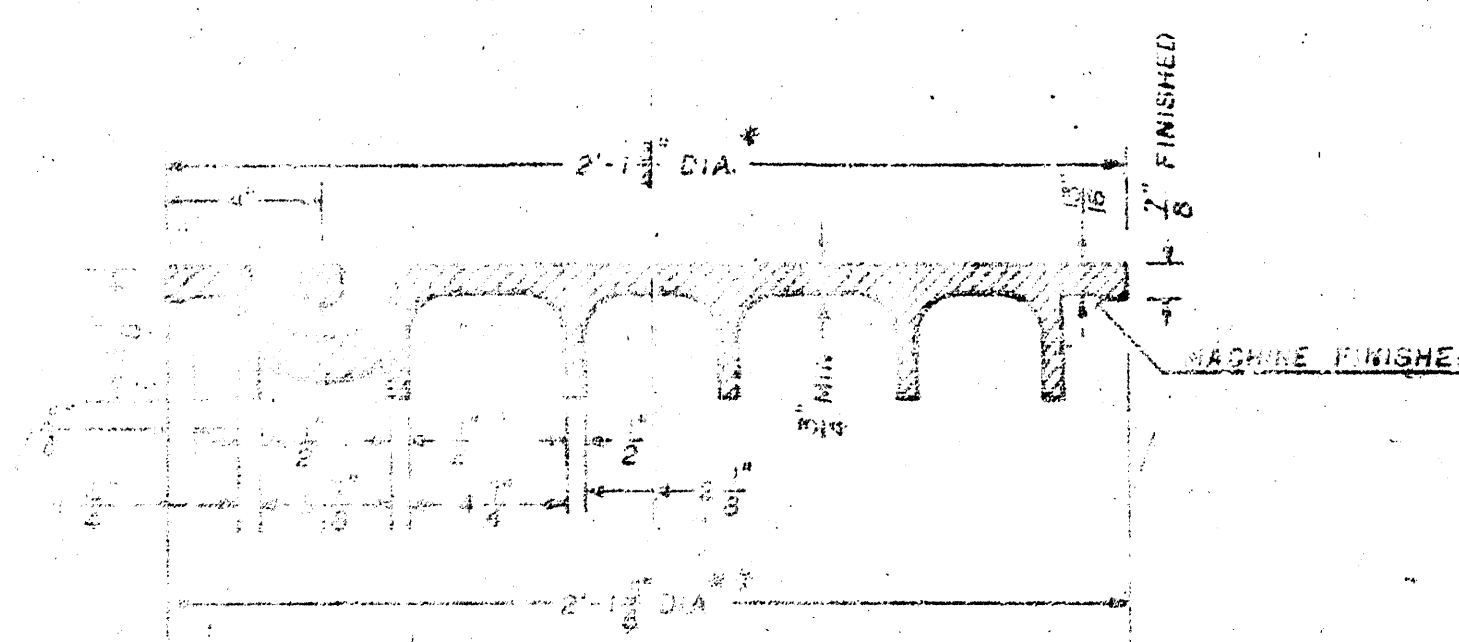
Weight: 240 Lbs.



TOP VIEW



SECTION A-A



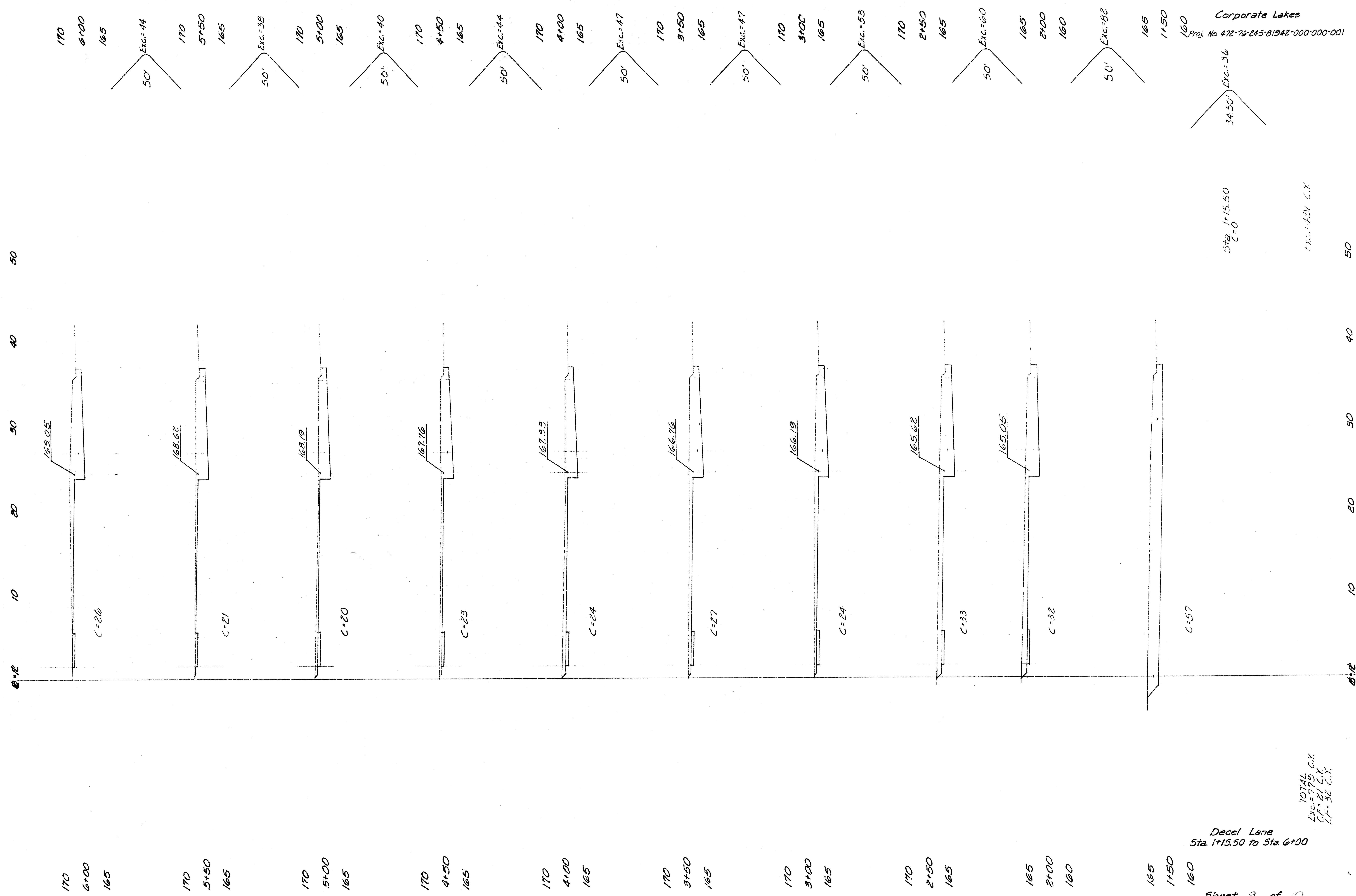
SECTION VIEW

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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Sheet 9 of 0

Decel Lane
Sta. 1+15.50 to Sta. 6+00

TOTAL
Exc. = 775 C.Y.
C.F. = 21 C.Y.
L.F. = 36 C.Y.

Sta. 1+15.50
C=0

Exc. = 421 C.Y.

Corporate Lakes
Proj. No. 472-76-245-81942-000-000-001

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

C=1
CF=0
LF=1

C=10
CF=1
LF=2

C=16
CF=1
LF=2

C=15
CF=3
LF=4

C=17
CF=2
LF=2

C=17
CF=2
LF=2

C=18
CF=2
LF=4

C=47
CF=0
LF=0

3'
EAC=0.1
CF=0
LF=0.1

50'
EAC=10
CF=1
LF=3

50'
EAC=24
CF=2
LF=4

50'
EAC=29
CF=4
LF=6

50'
EAC=30
CF=5
LF=6

50'
EAC=31
CF=4
LF=4

46.24'
EAC=32
CF=3
LF=5

51'
EAC=61
CF=2
LF=4

170
6+52.76
165

50.16'
EAC=71
CF=1
LF=1

Corporate Lakes
Proj. No. 472-76-245-81942-000-000-001

EAC=50.00
CF=1
LF=1

50

40

30

20

10

0+0

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