

CONSTRUCTION PLANS FOR STORM WATER IMPROVEMENTS

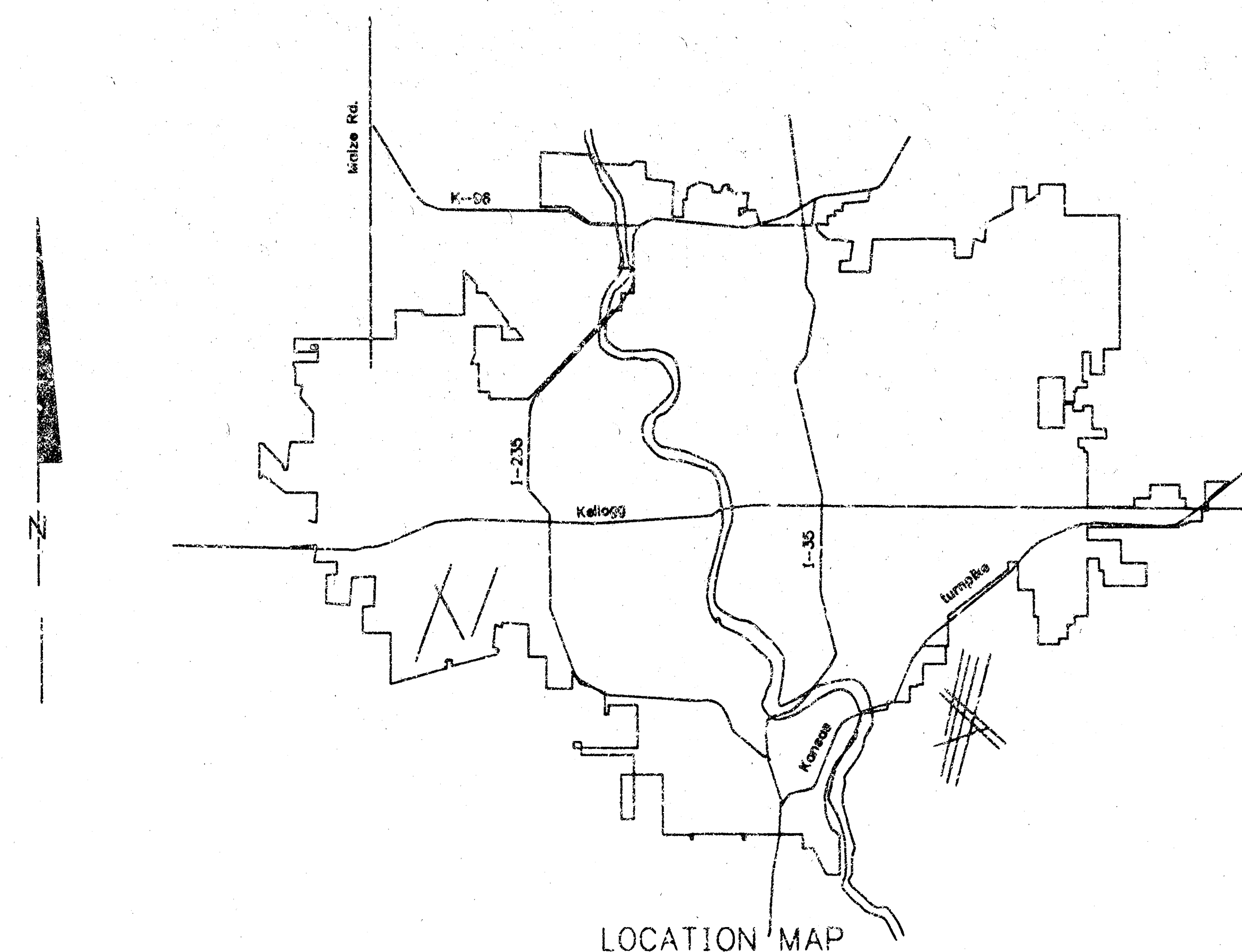
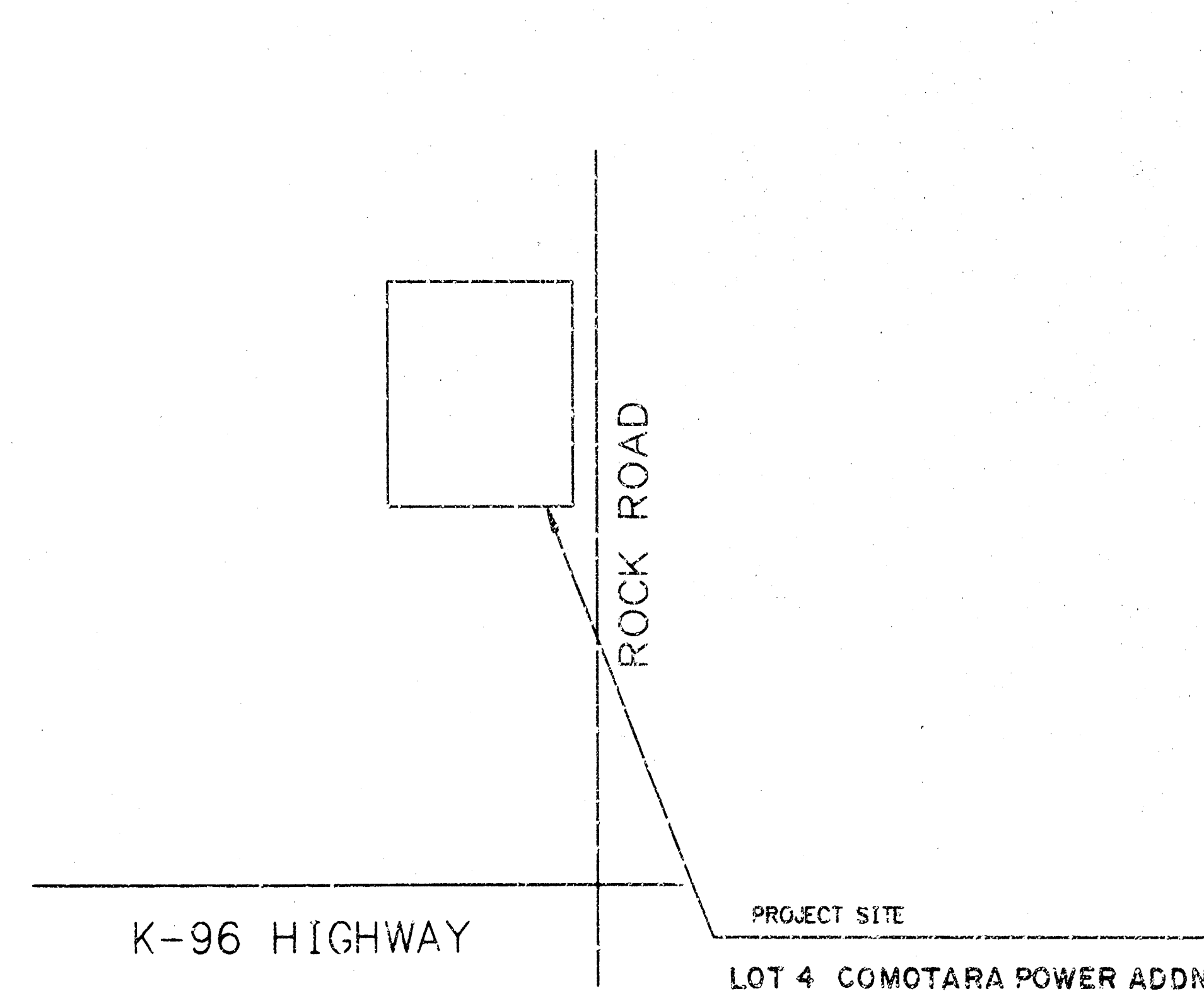
TO SERVE

LOT 4, COMOTARA POWER CENTER ADDITION

THE CITY OF WICHITA,

SEDGWICK COUNTY, KANSAS

MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER



INDEX OF SHEET

SHEET NO. 1 TITLE SHEET
SHEET NO. 2 PLAN/PROFILE
SHEET NO. 3 STANDARD DETAILS

APPROVED AS NOTED

By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 12/23/93
Driveway Approaches _____
Water Mains _____
Paving _____

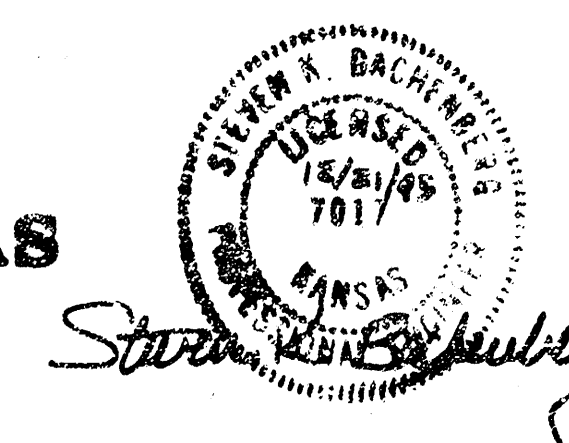
NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

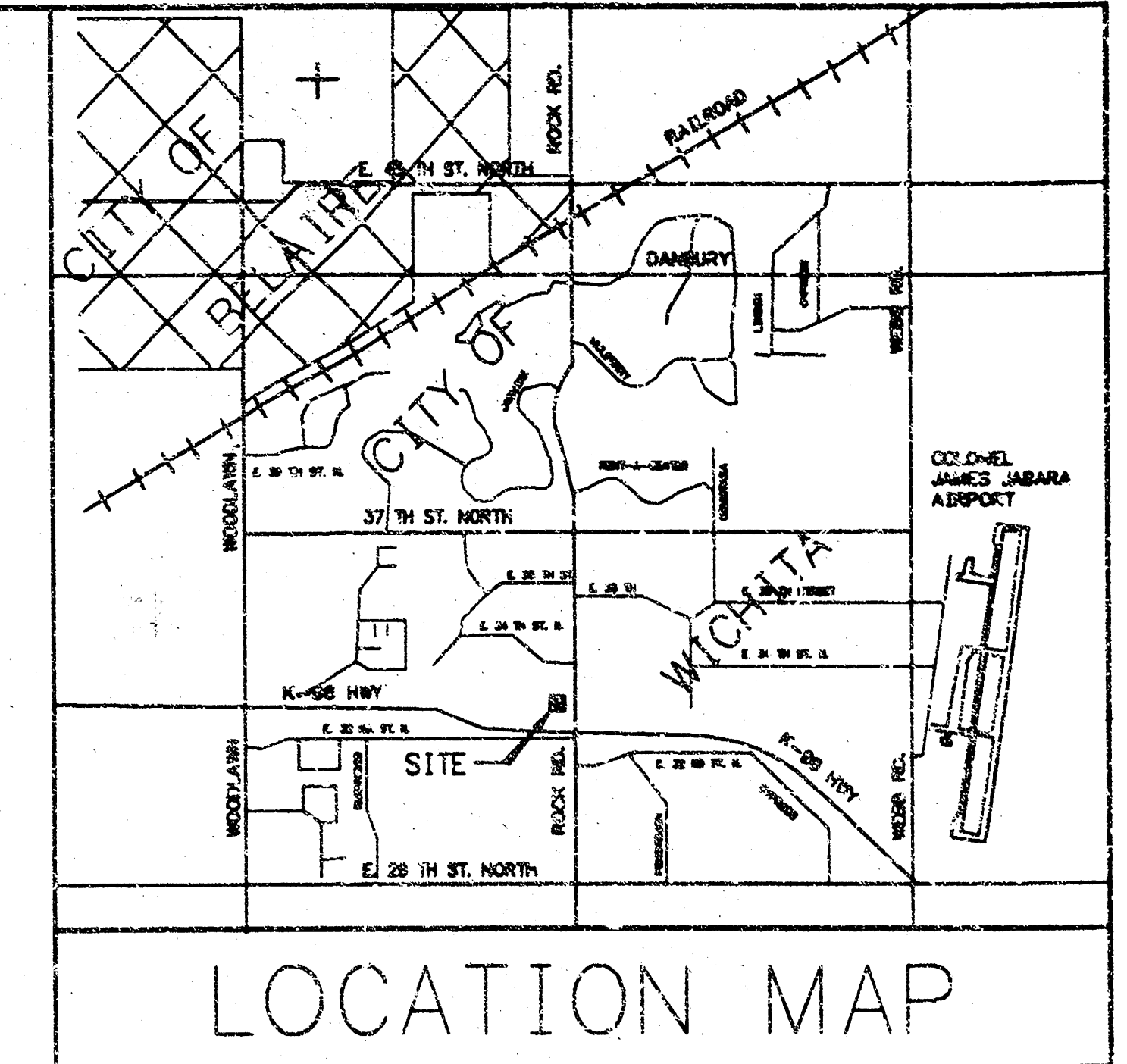
CITY OF WICHITA PROJECT NO. 430PPS(607861)

DECEMBER, 1993

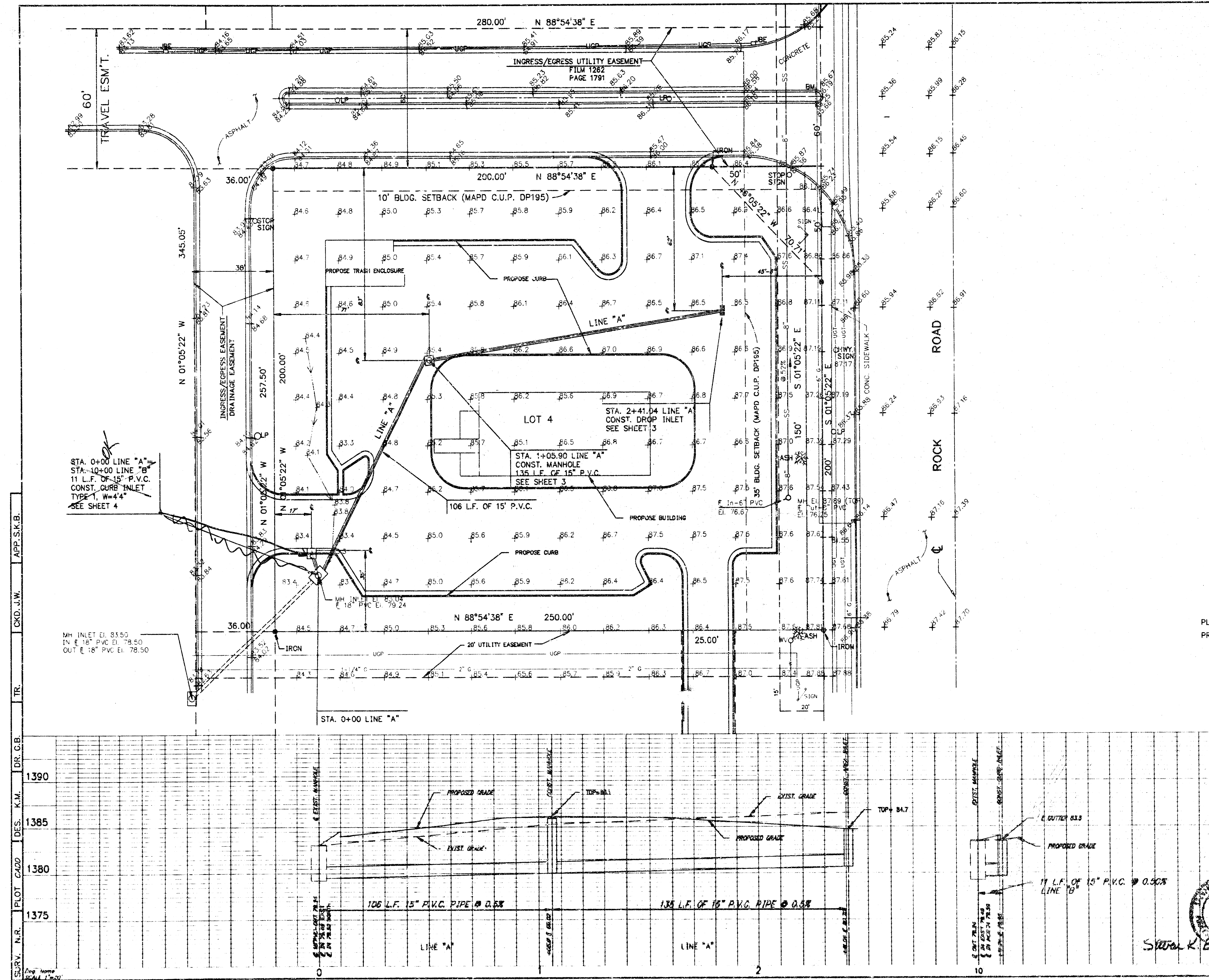
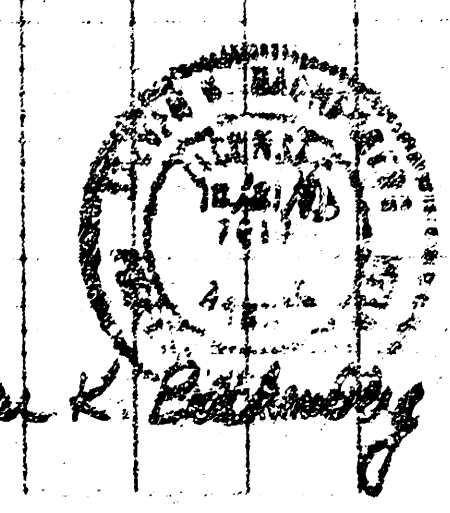
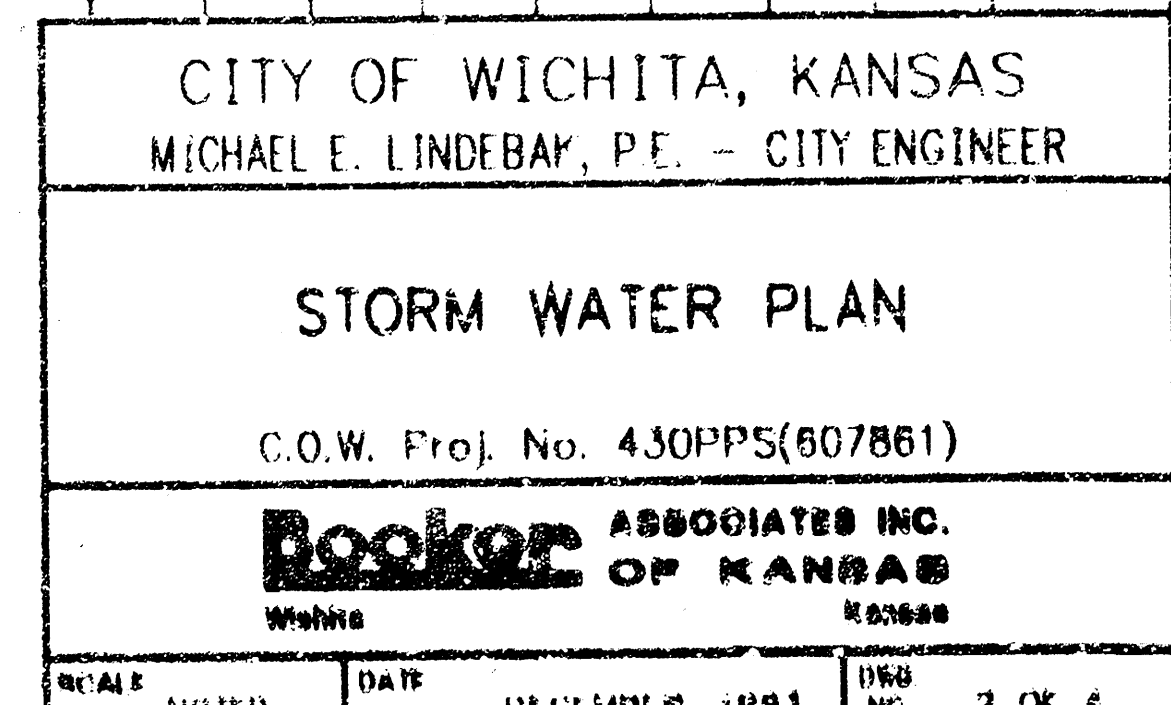
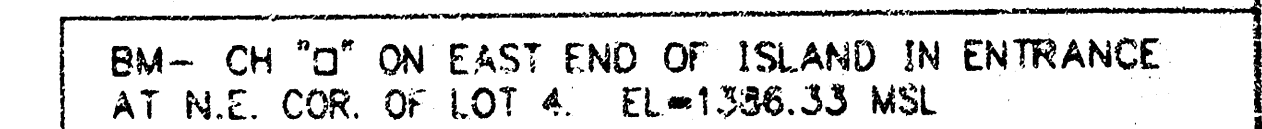
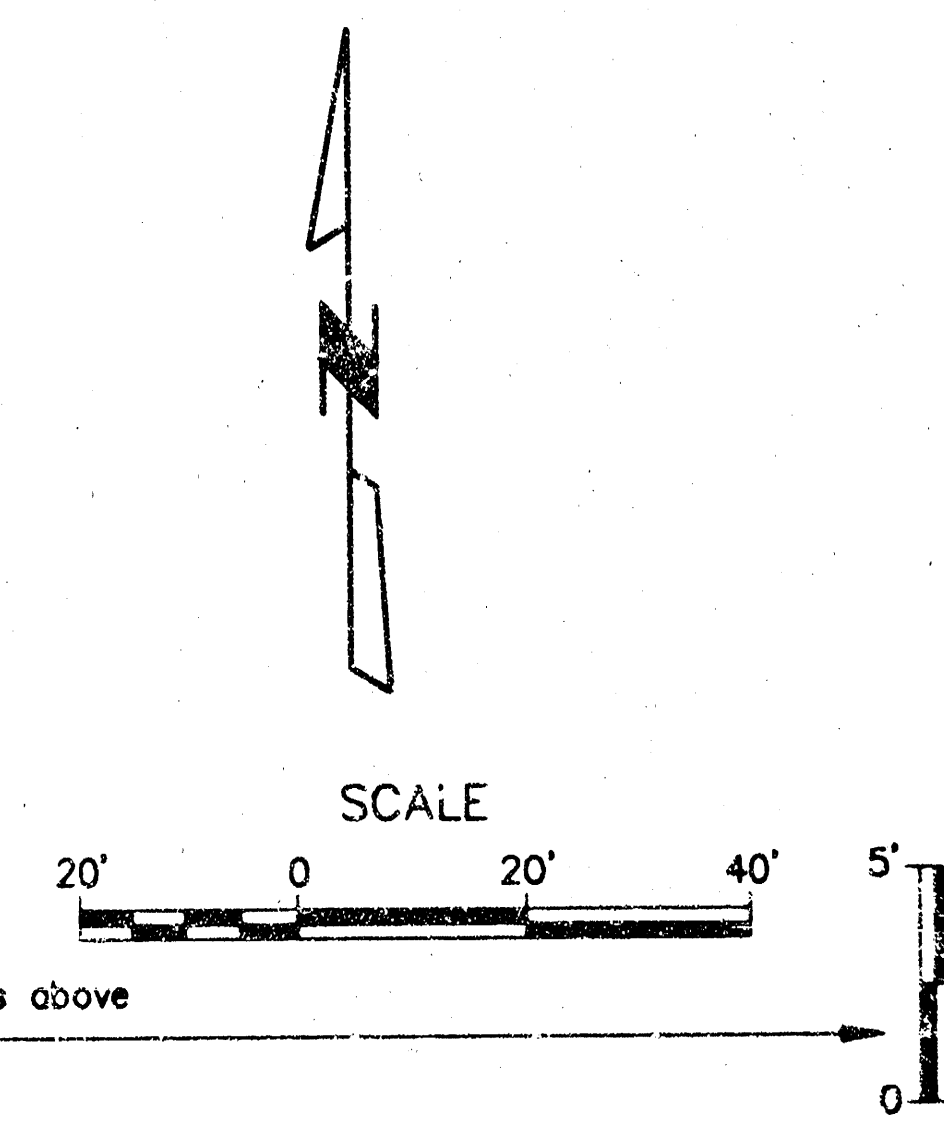
PLANS PREPARED BY
BOOKER ASSOCIATES, INC. OF KANSAS
WICHITA, KANSAS



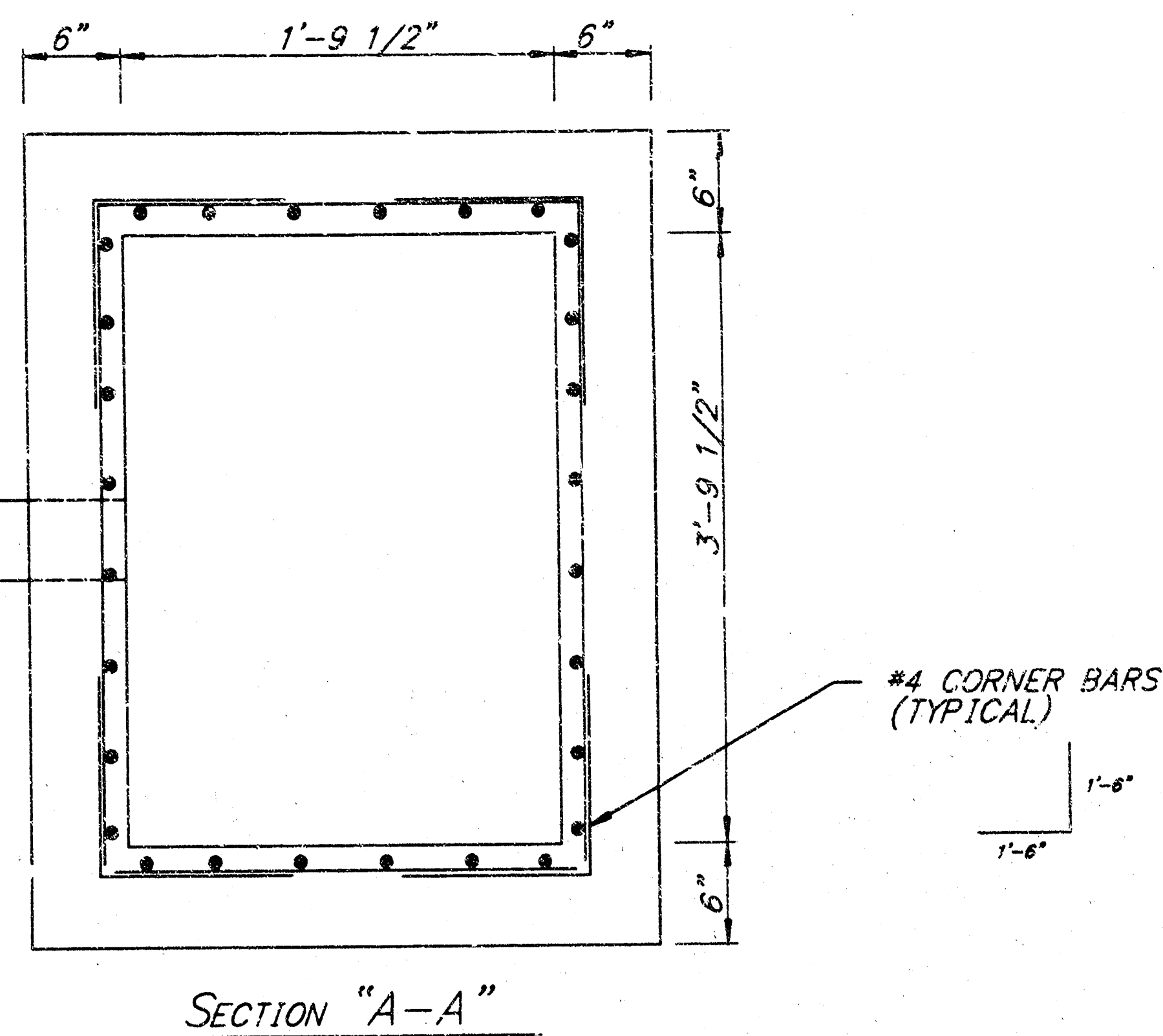
CITY OF WICHITA PROJECT NO. 430PPS(607861)



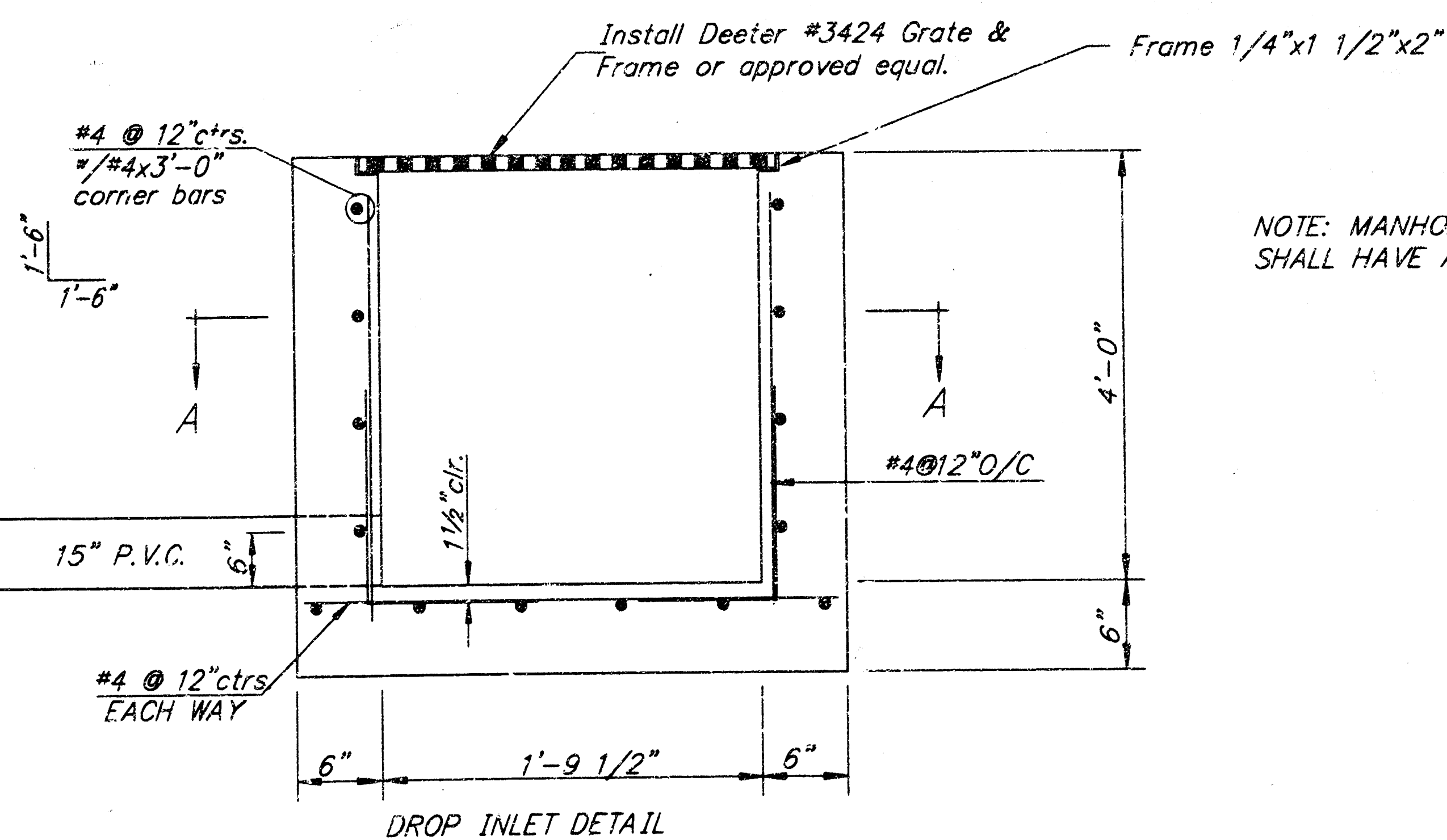
NOTE:
ALL CONSTRUCTION SHALL COMPLY WITH THE
CITY OF WICHITA STANDARD SPECIFICATIONS
UNLESS OTHERWISE NOTED ON THE PLANS.



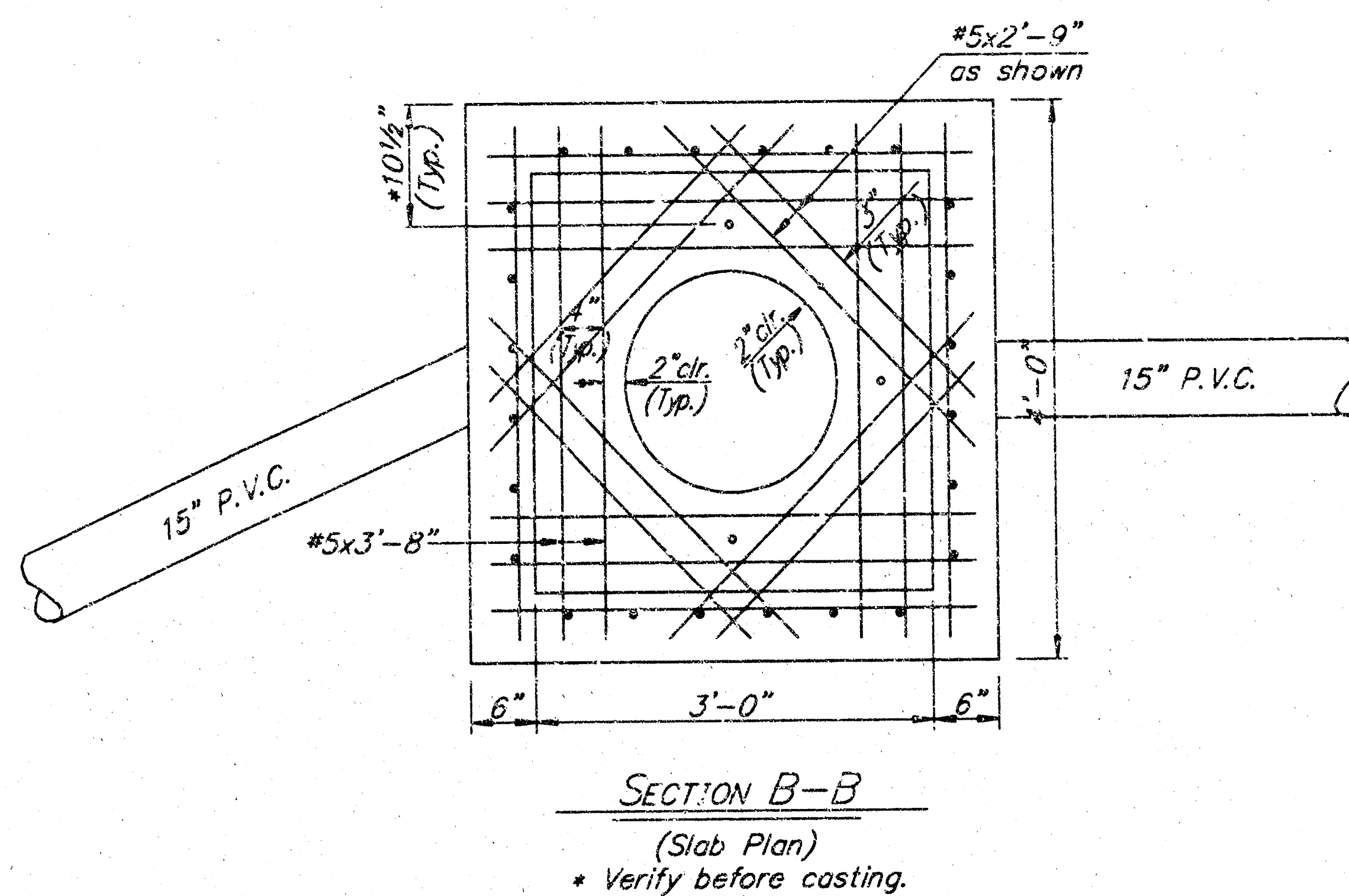
SURV. D.V./M.S. PLOT CADD
 DES. A.H./K.M. DR. M.G.C. TR. CKD. K.W. APP. S.K.B.



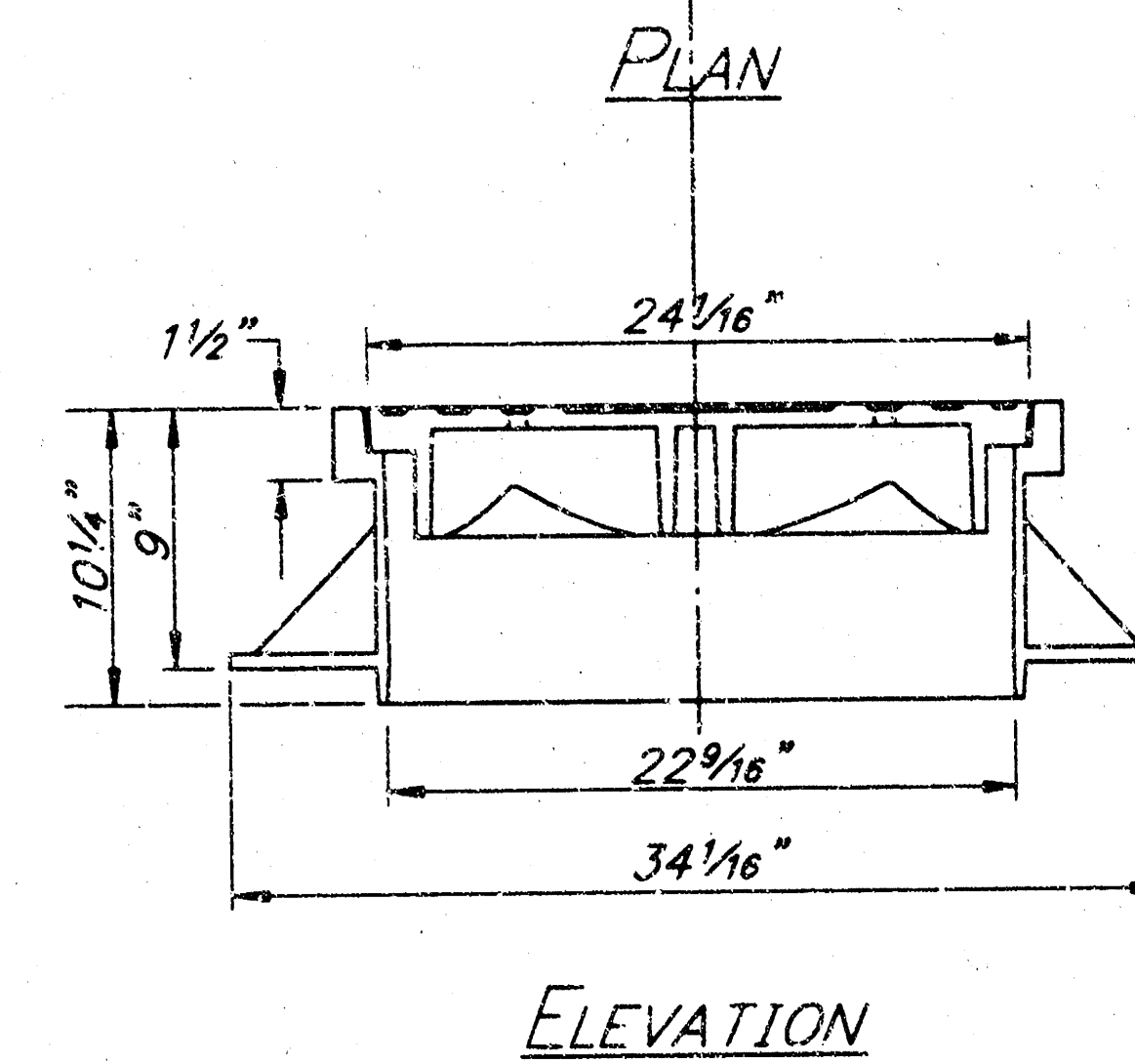
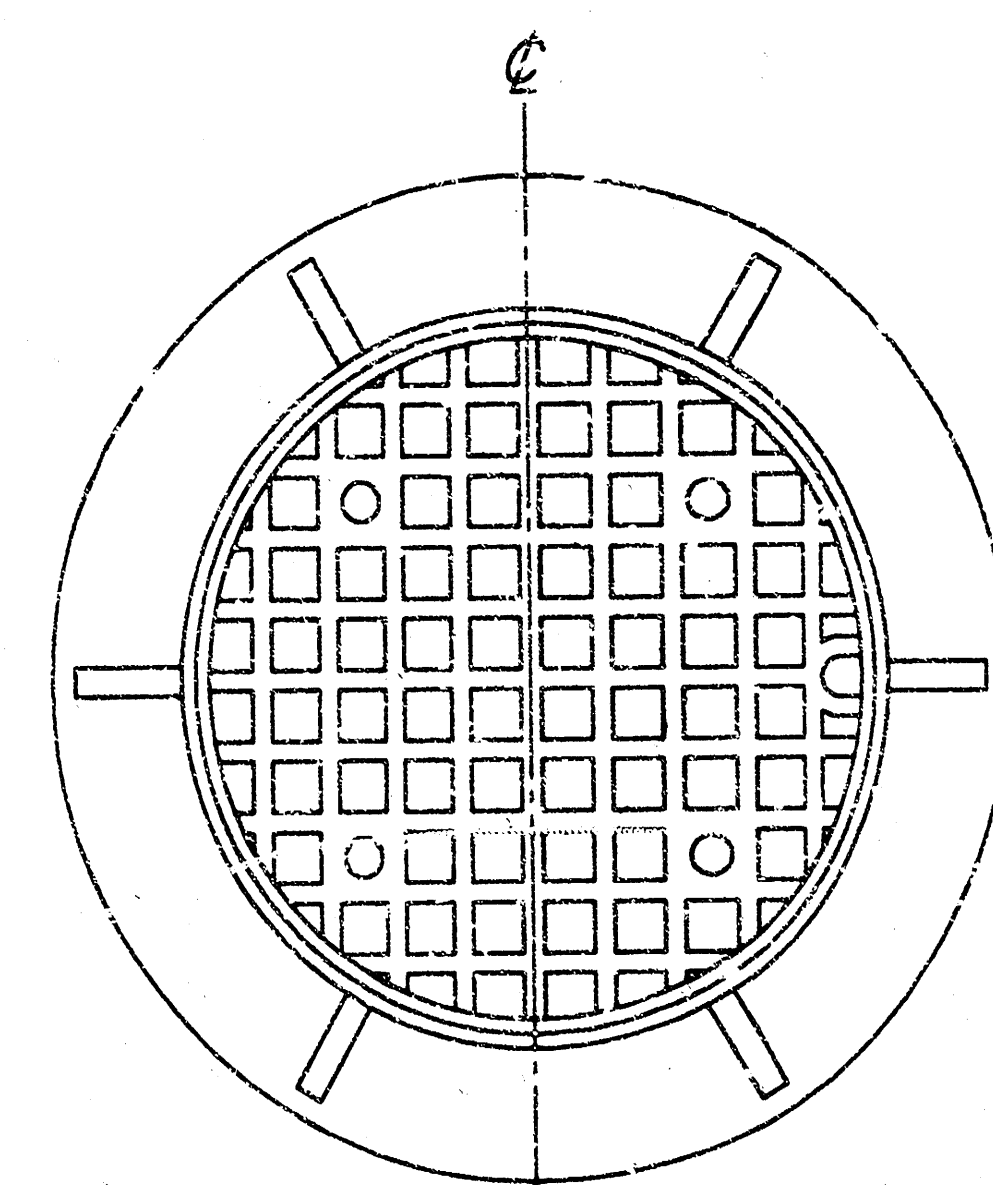
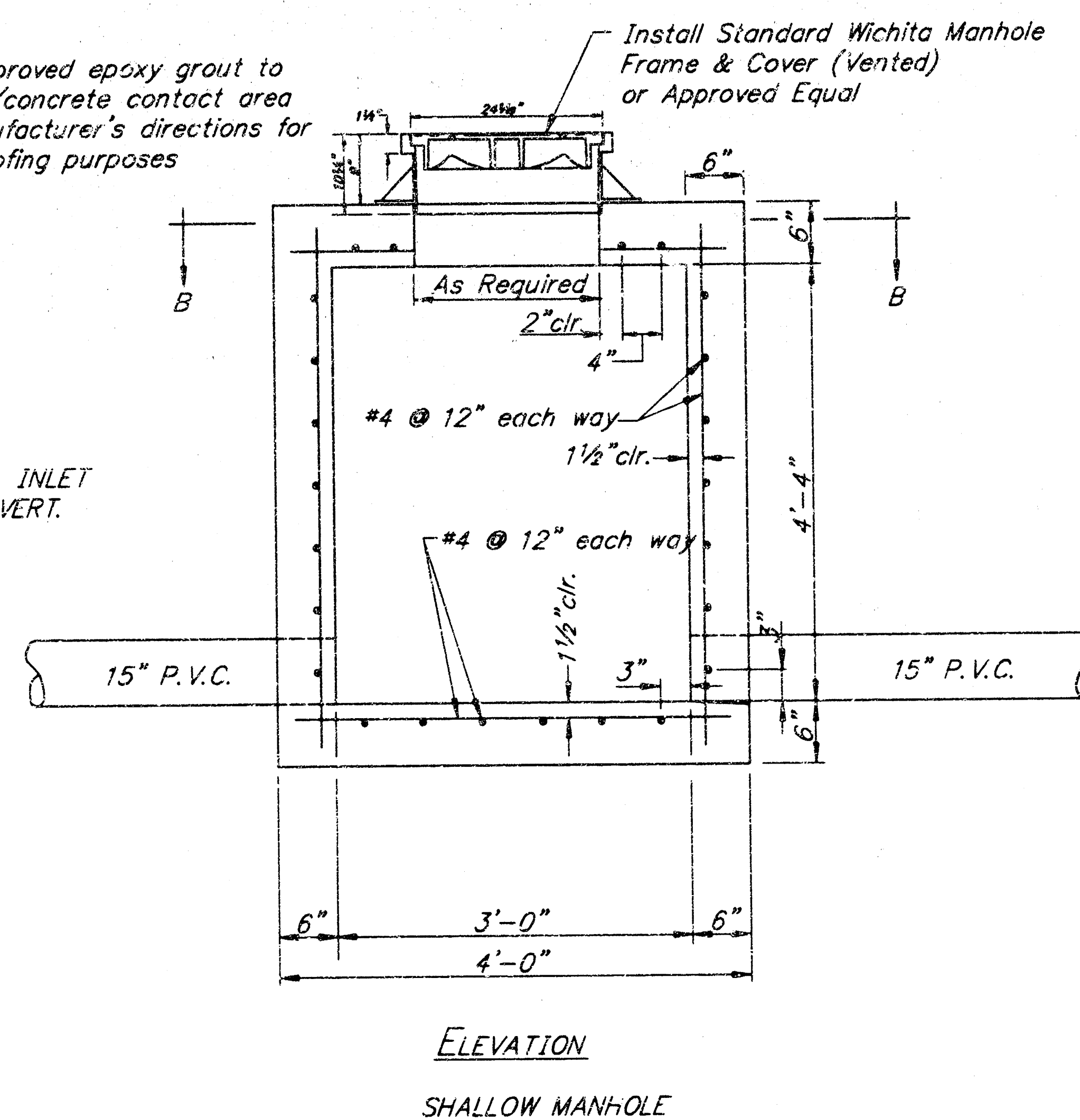
NOTE:
CONTRACTOR SHALL VERIFY INLET D.I.M.
WITH FRAME AND GRATE ORDERED, PRIOR
TO POURING INLET.



NOTE: MANHOLE AND AREA INLET
SHALL HAVE A POURED INVERT.



Apply approved epoxy grout to
manhole/concrete contact area
per manufacturer's directions for
waterproofing purposes



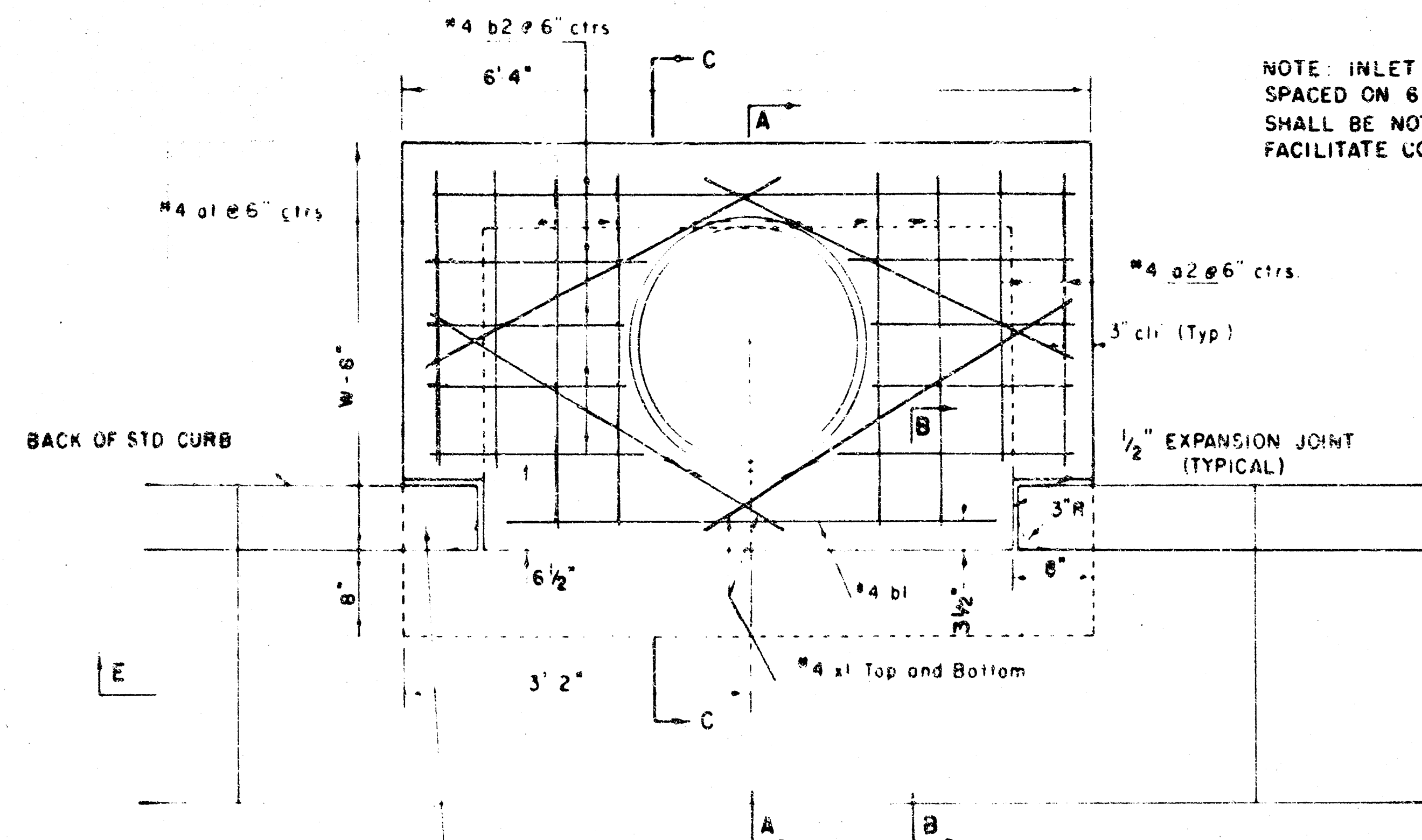
MANHOLE RING AND VENTED COVER

NOTE:

1. Use 3,000 p.s.i. (min.) Class AAA Concrete @ 28 days with 5%-7% air entrainment.
2. All reinforcing shall conform to ASTM A 615 Grade 40 (40,000 p.s.i. min. yield) securely tied.
3. All construction and materials shall comply with the City of Wichita specifications and standards.



CITY OF WICHITA, KANSAS	
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER	
STORM WATER DETAILS	
C.O.W. Proj. No. 430PPS(607861)	
Booker ASSOCIATES INC. OF KANSAS	
Wichita Kansas	
SCALE NONE	DATE DECEMBER, 1993
DWG. NO. 3 OF 4	



PLAN

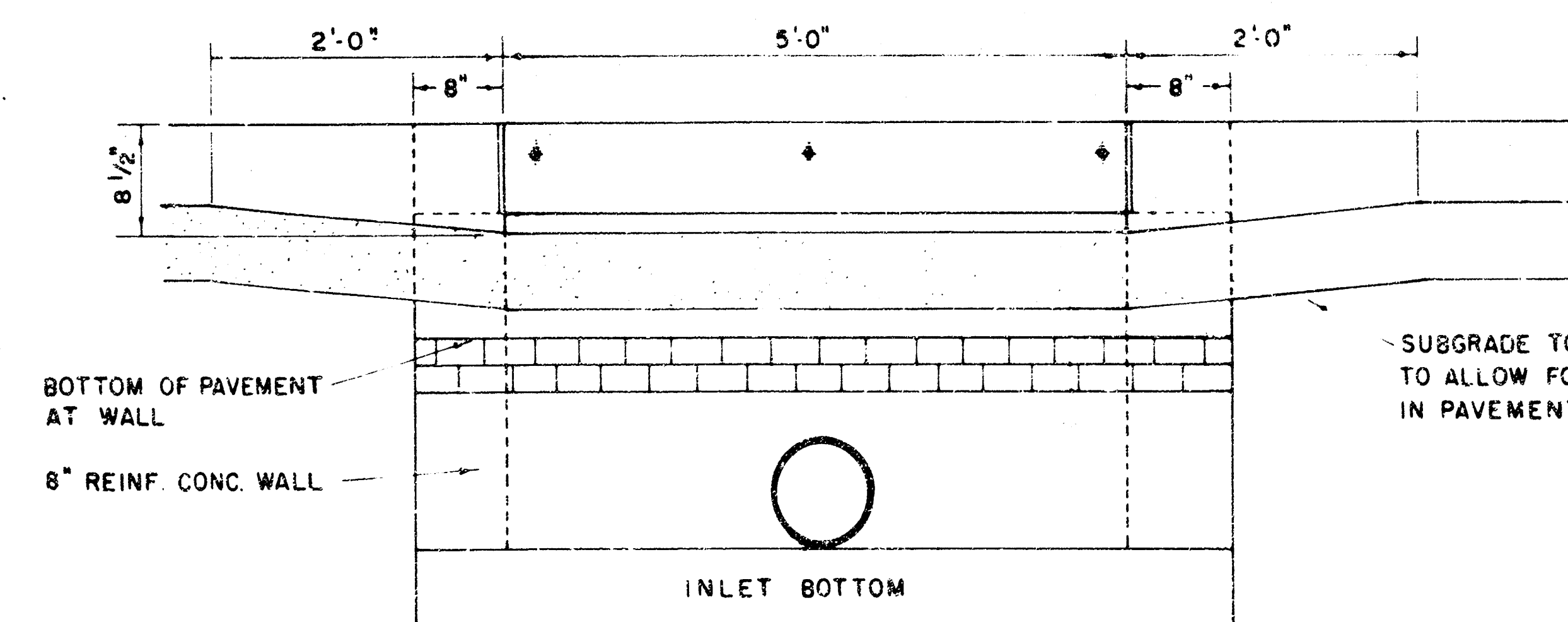
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

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.

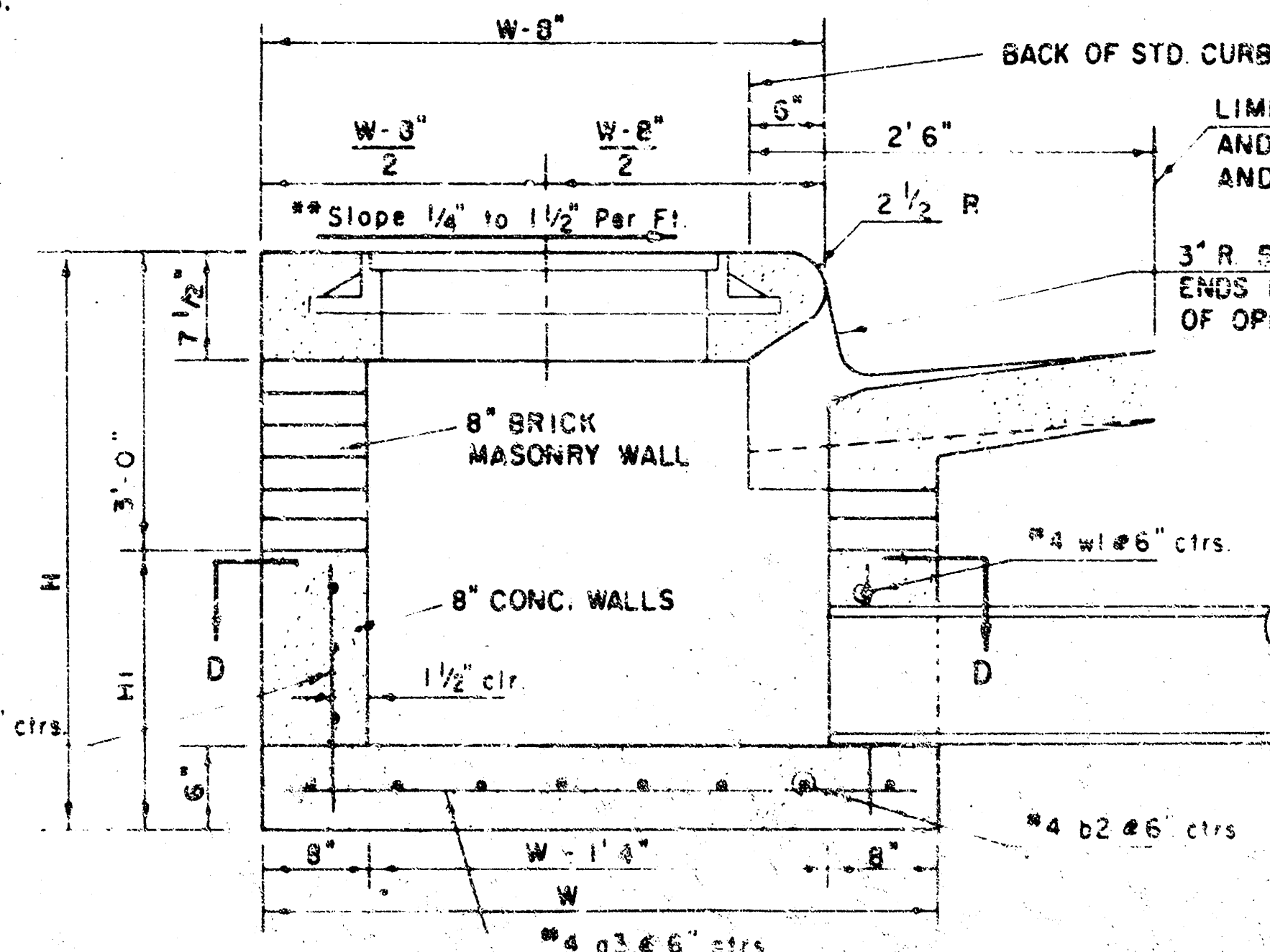
PRECAST SLAB AND FLOOR REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
a1	#4	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
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"

WALL REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	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"



SECTION E-E



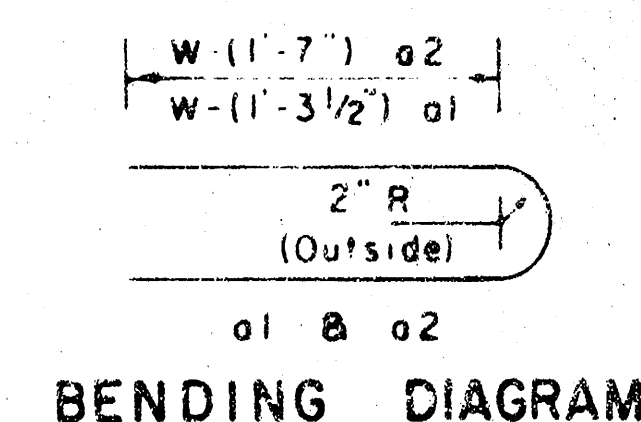
SECTION A-A

NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits Indicated

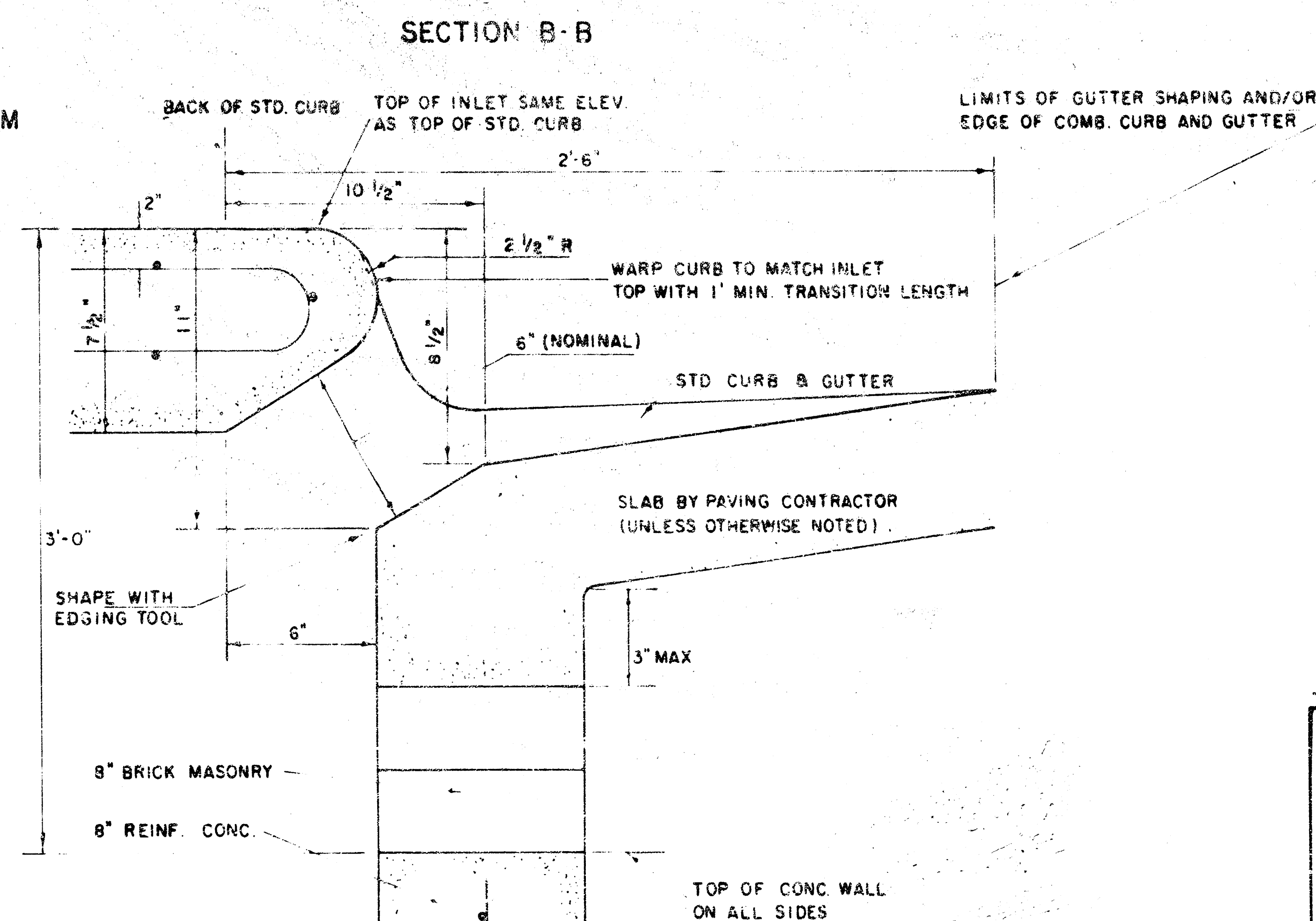
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" AND H=7'-0" OR LESS.

INLET INVERT SHALL BE SHAPED WITH 8 SACS 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.

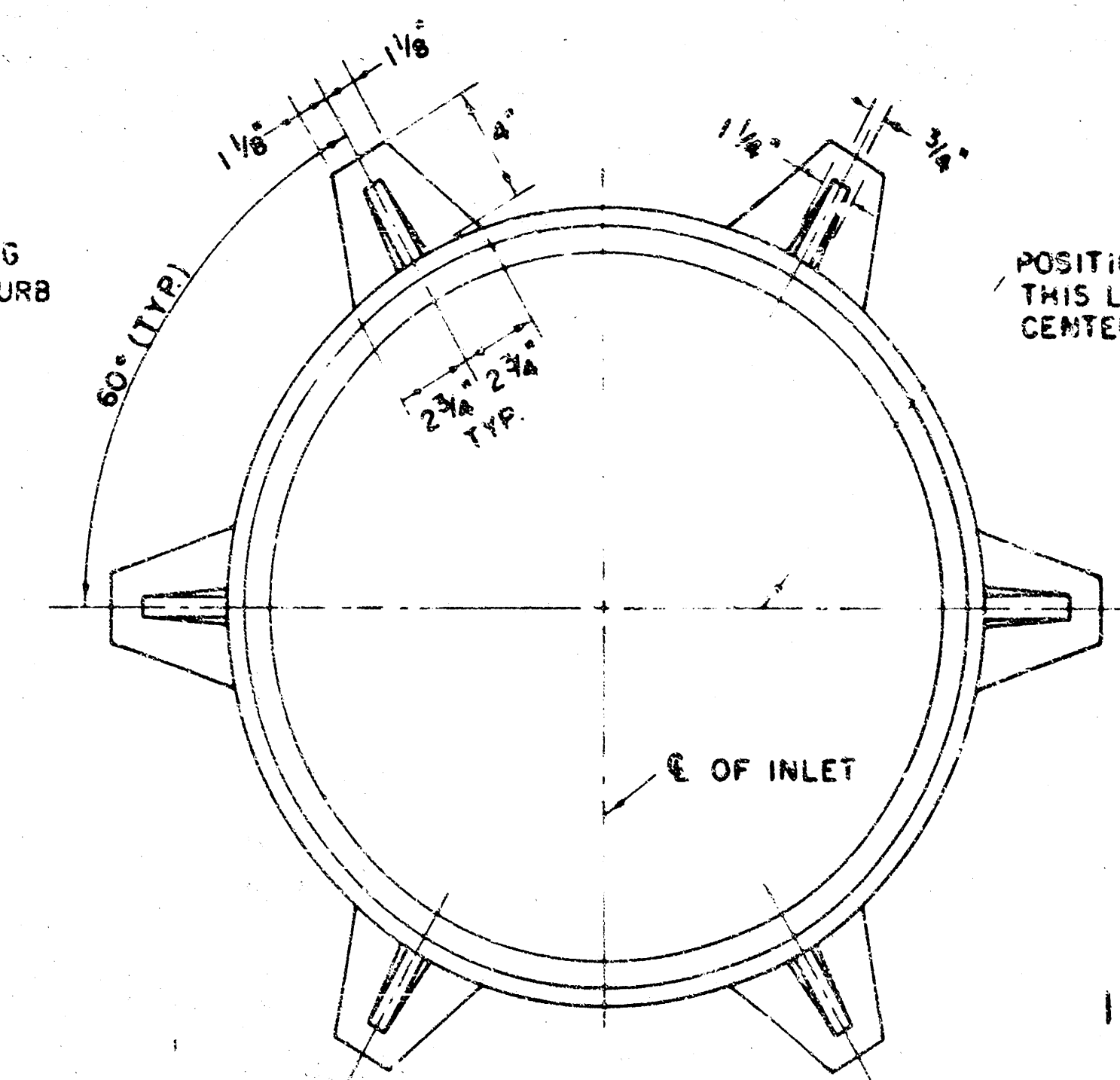
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



BENDING DIAGRAM

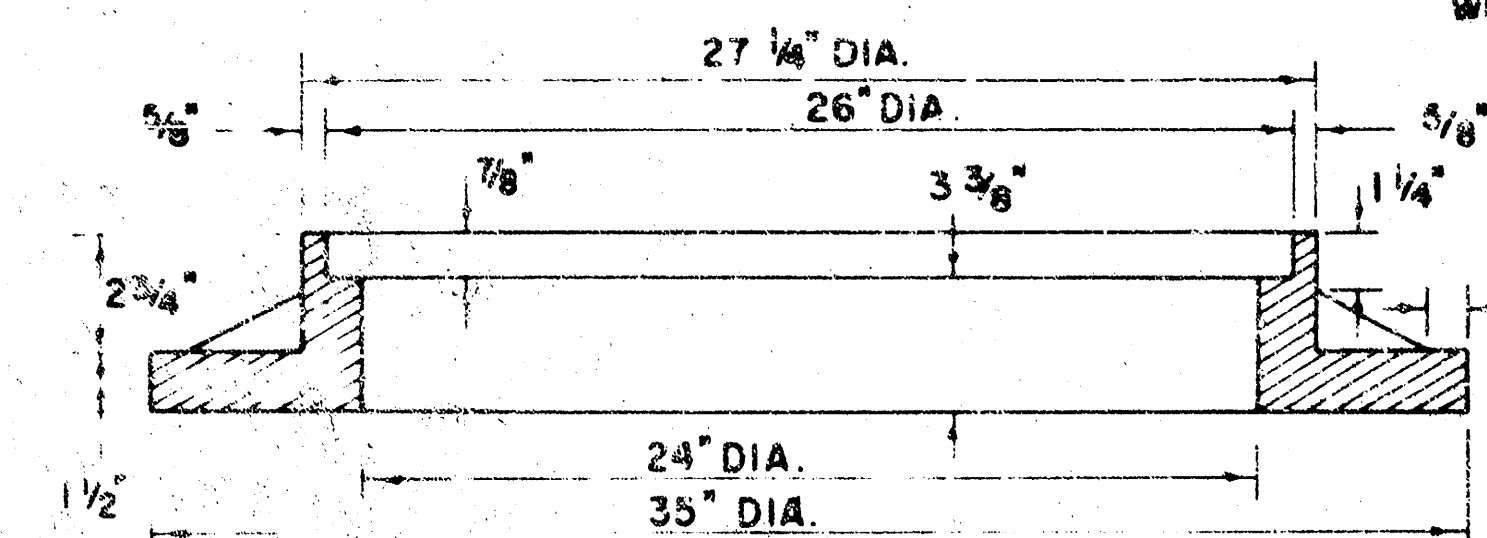


SECTION B-B

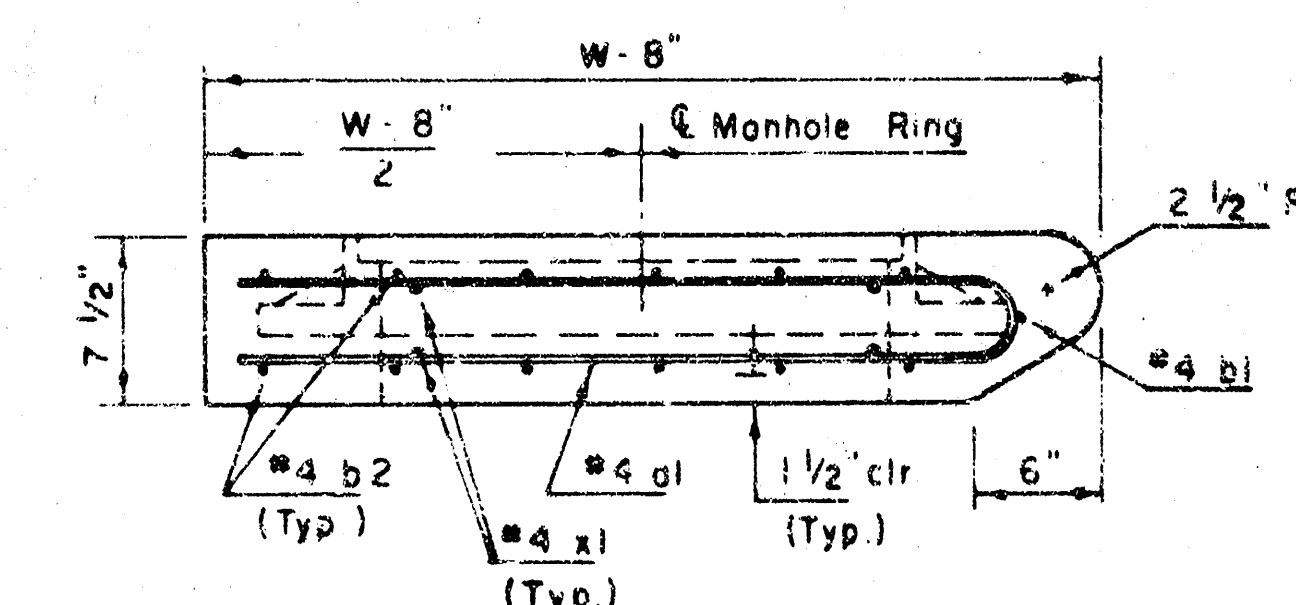


INLET FRAME

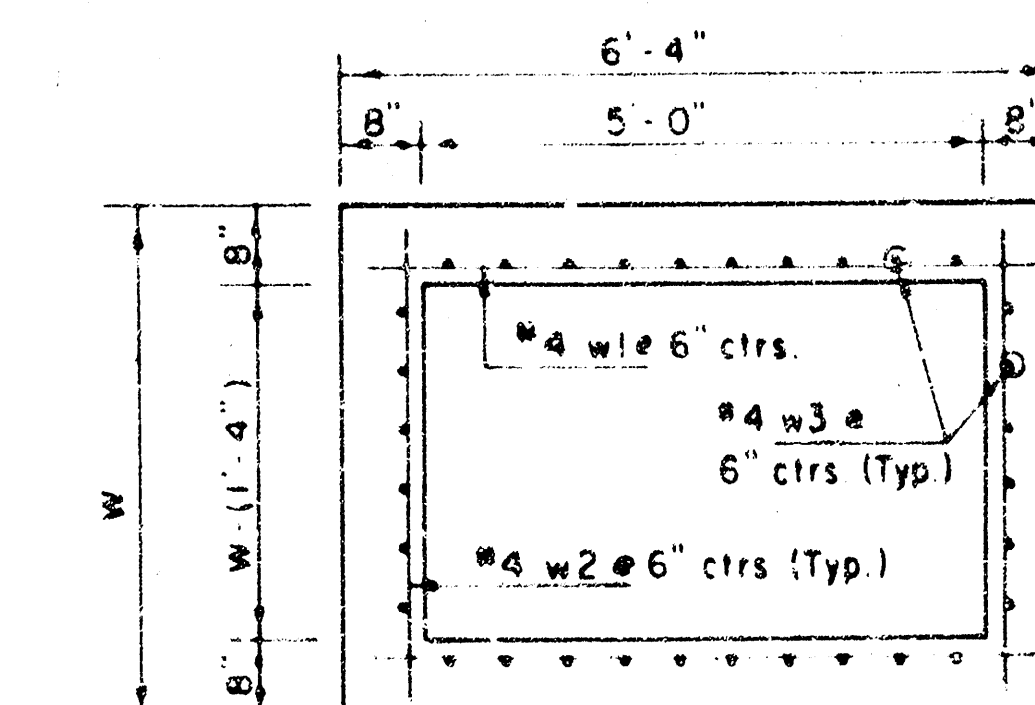
WEIGHT = 180 LBS.



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

COW Proj. No. 430PPS(607861)
 REVISED 12-21-1984 REVISED 2-15-1989

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

JUNE 1984

SHEET 4 OF 4

10-1-5-10