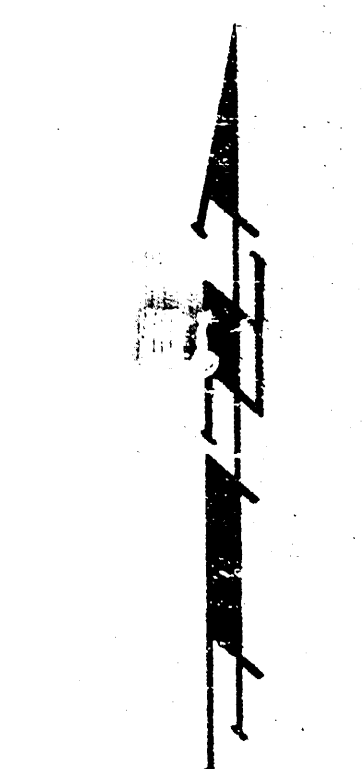


SHANNON WOODS AT TALLGRASS



Scale: 1" = 10'
• = IRON

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers JRH 7/17/91
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 PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

Quantities taken from
Drainage Area Plan.

$Q_{100} = 11.8$ cfs
 $Q_2 = 2.9$ cfs

$$Q = 0.6 \cdot A \cdot \sqrt{2 \cdot h \cdot g}$$

Q = Flow (cfs)

A = Area (ft²)

h = Depth (ft)

g = Gravity (ft/s²)

Open Area
of Grate = 4.783 ft²

Calculations for Grate Capacity:

Case 1: $h = h(ROW) - h(\text{high edge})$
 $h = 6.39 - 5.60$
 $h = 0.79'$

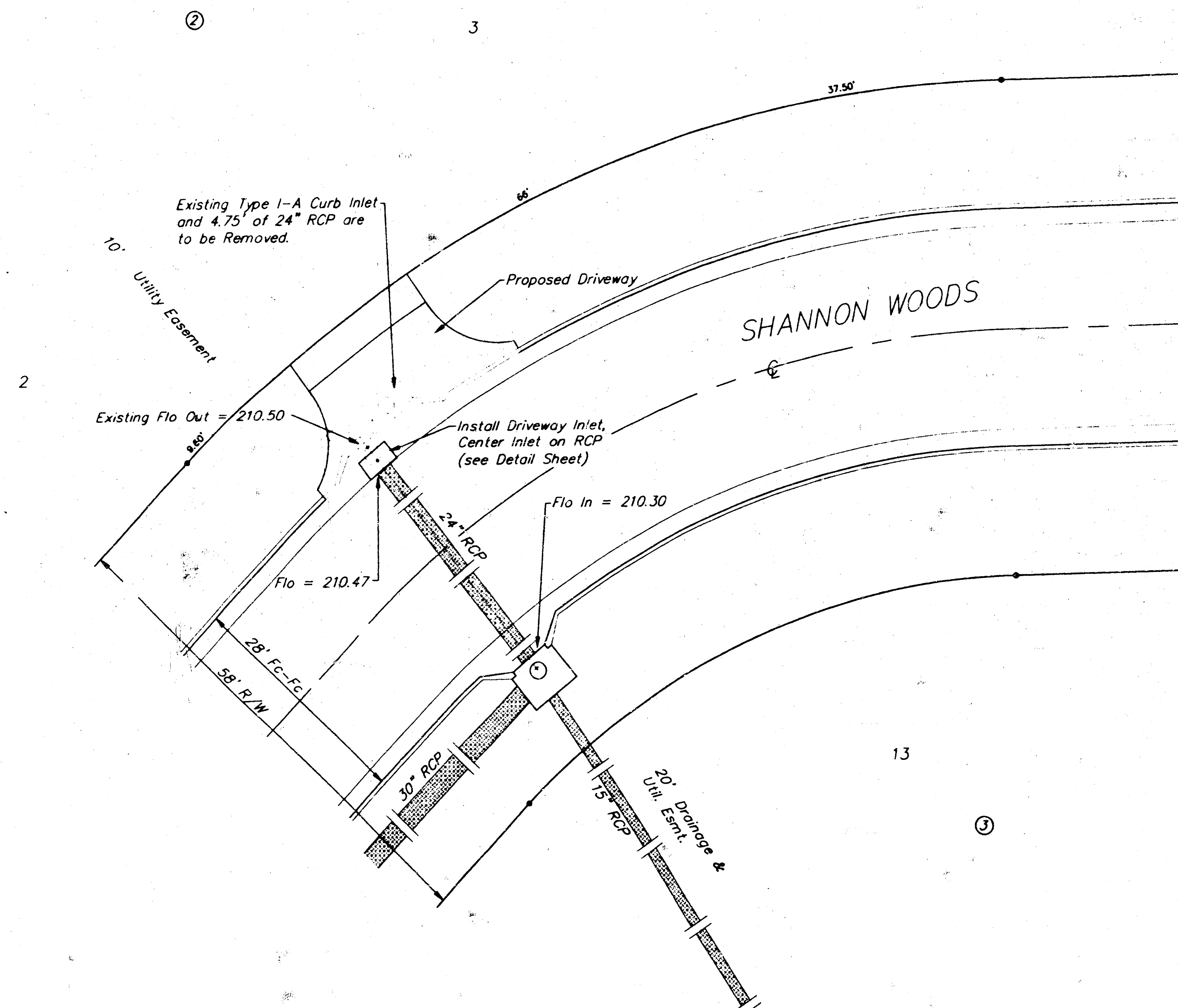
$$Q = 0.6 \cdot 4.783 \cdot \sqrt{2 \cdot 0.79 \cdot 32.2}$$

$$Q = 20.47 \text{ cfs}$$

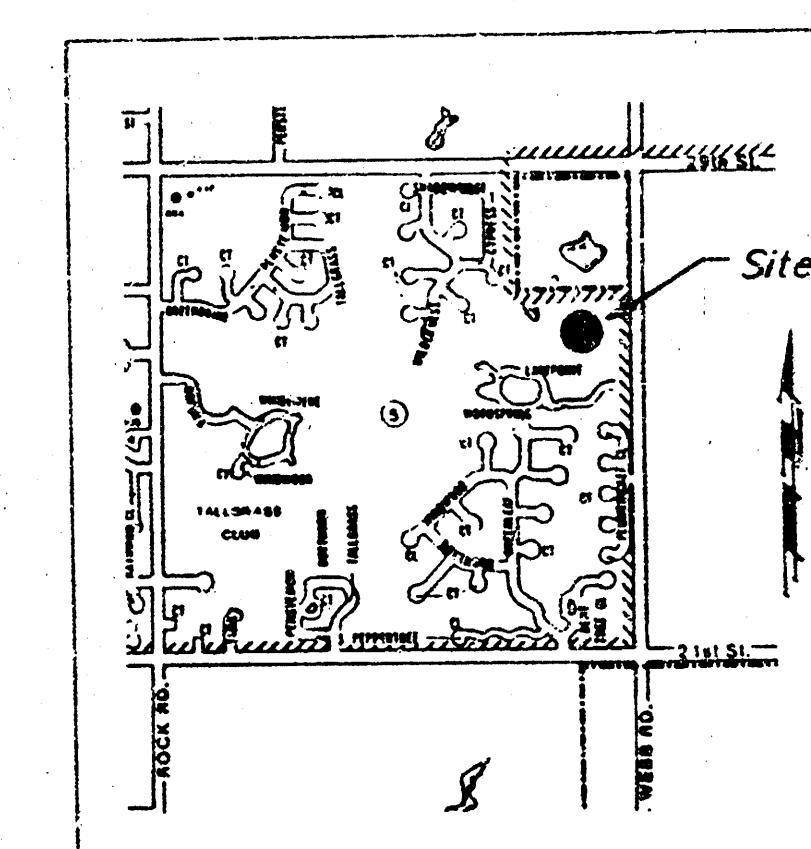
Case 1: $h = h(TC) - h(\text{high edge})$
 $h = 6.09 - 5.60$
 $h = 0.49'$

$$Q = 0.6 \cdot 4.783 \cdot \sqrt{2 \cdot 0.49 \cdot 32.2}$$

$$Q = 16.12 \text{ cfs}$$

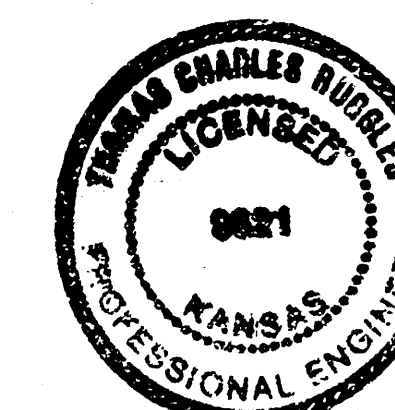


"As Bilt" Plans
SE Anderson P.E.
Wichita, Kansas
This project was constructed
in basic conformance with
this plan - SEQ



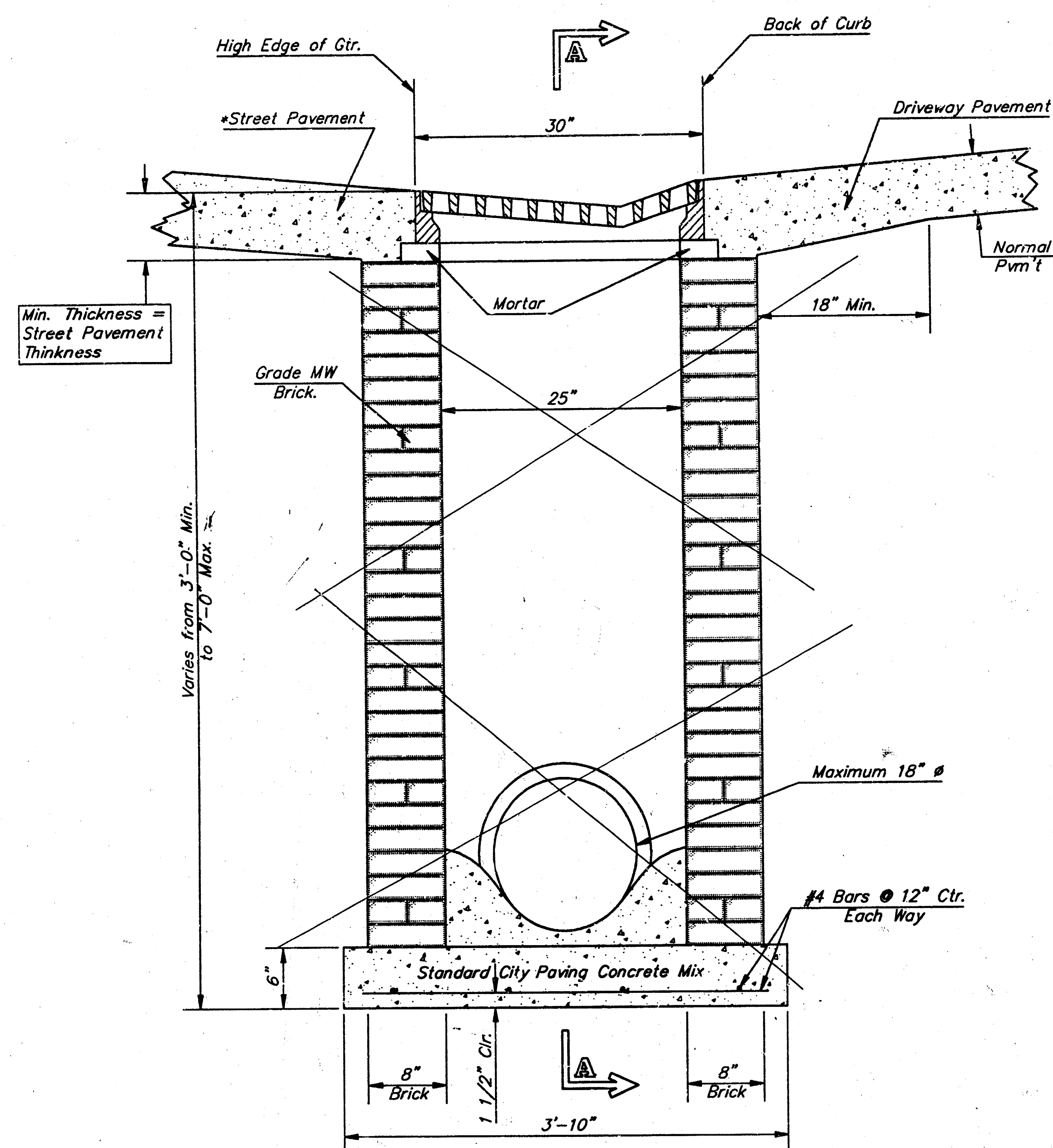
Location Map

Benchmark: City Disc. 32' N. and 28' E. of 1/4 Sec. Corner at
Webb Road and 25th Street North. Elev. = 225.09

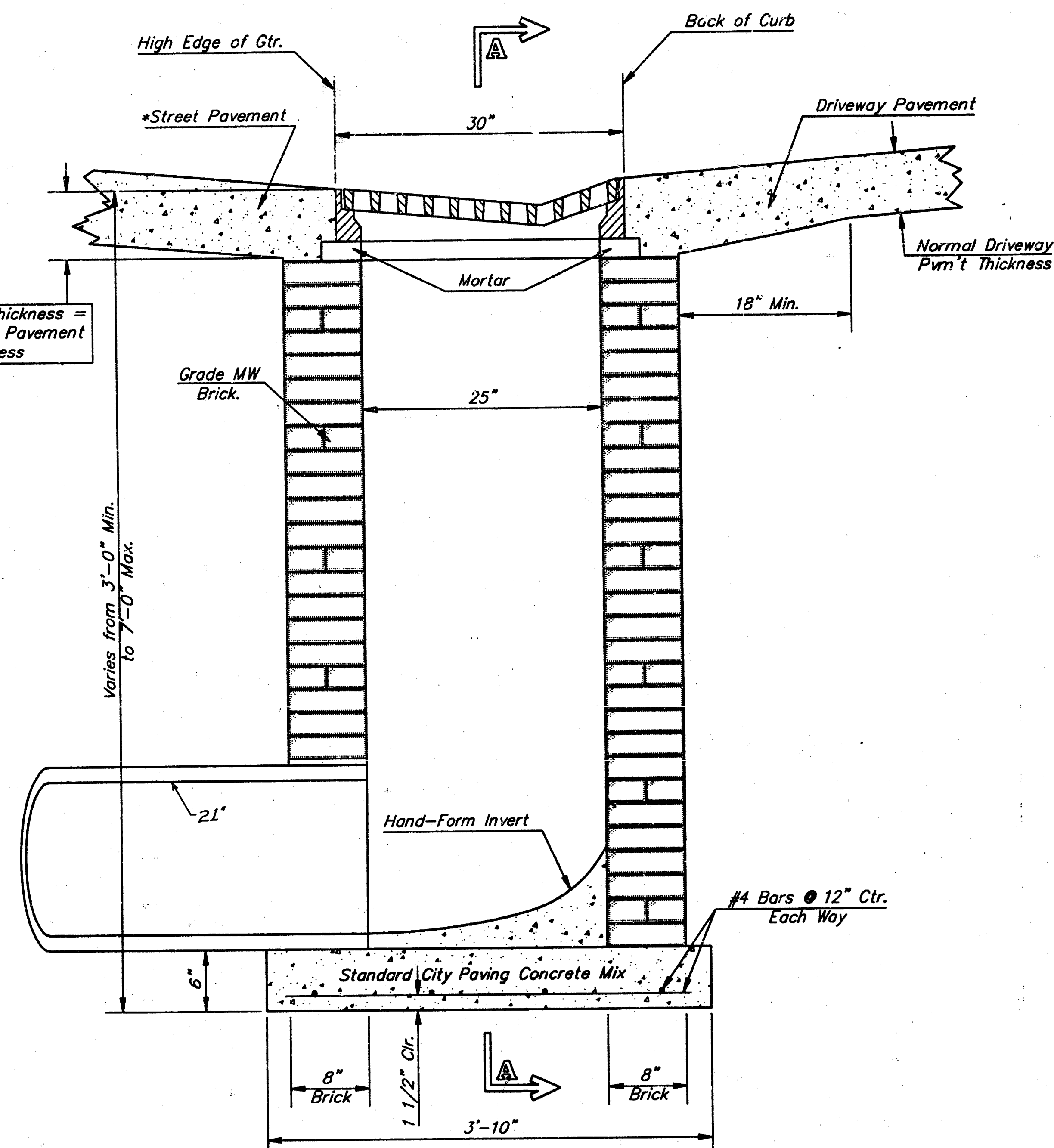


DRIVEWAY INLET CONST.

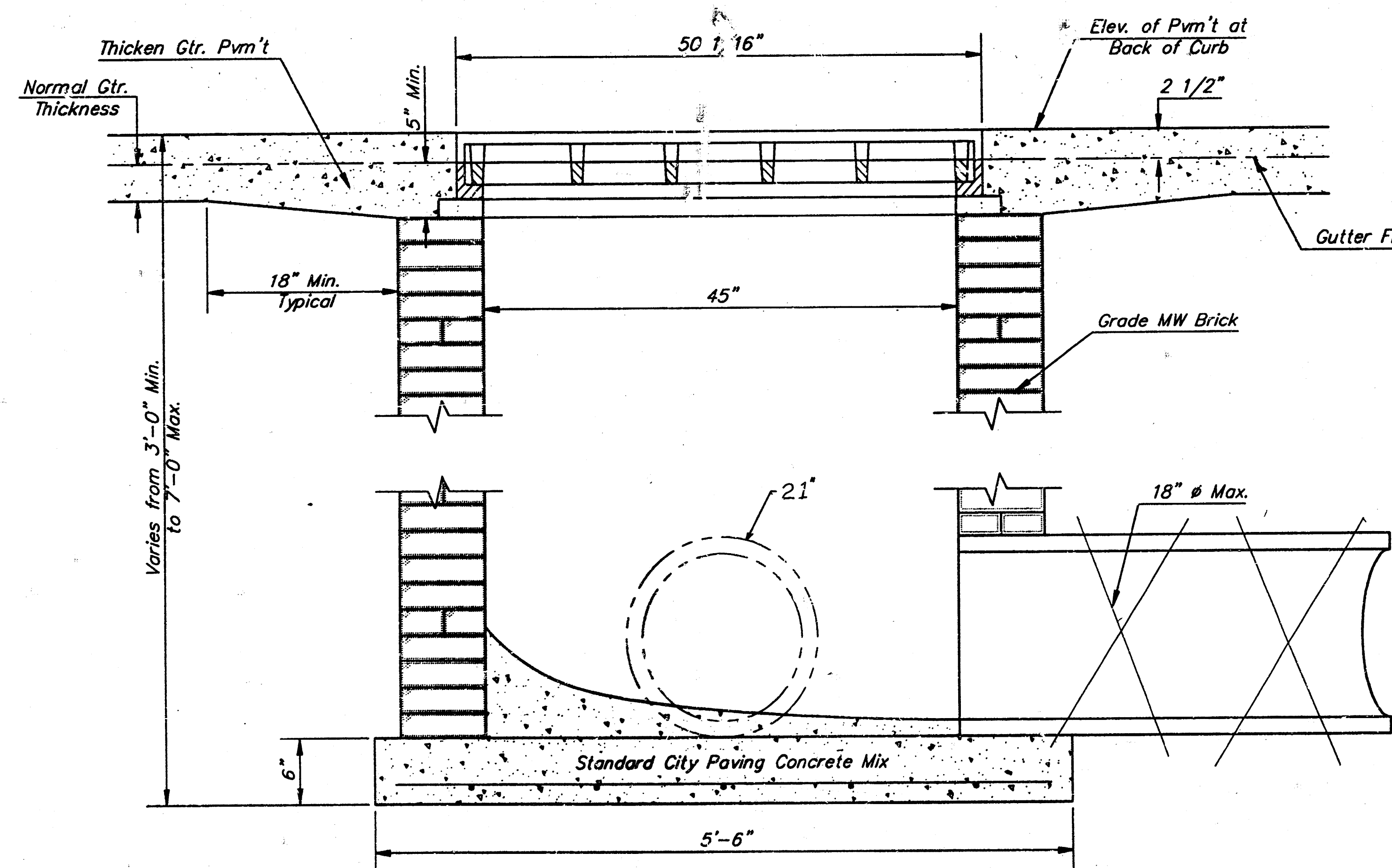
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.
PROJECT NUMBER 298 PPS				SHEET 1
DESIGN T.C.R.	DRAWN B.P.	APPROVED	DATE 15 JULY 91	SCALE 1" = 10'
				OF 2



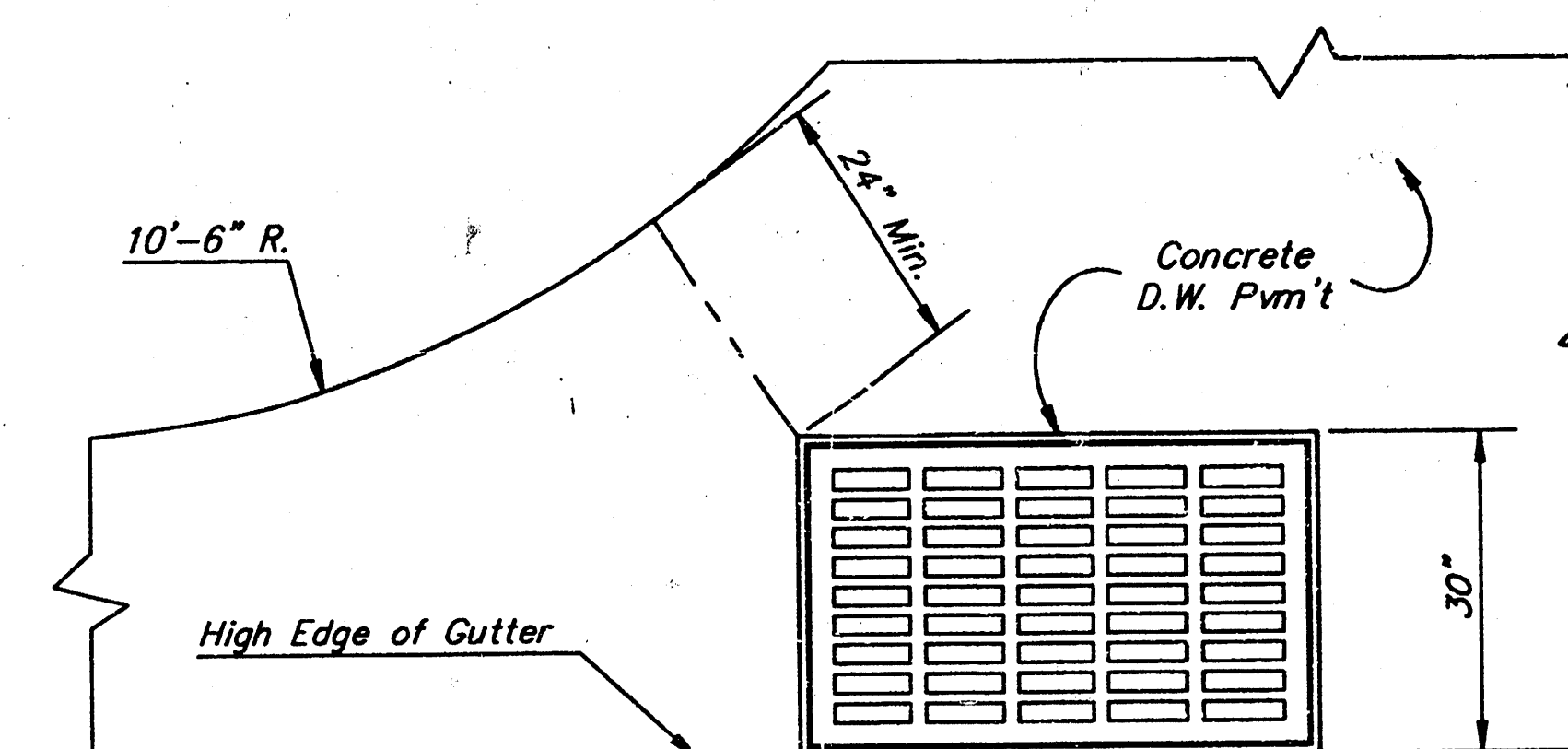
END OUTLET



SIDE OUTLET



SECTION A-A

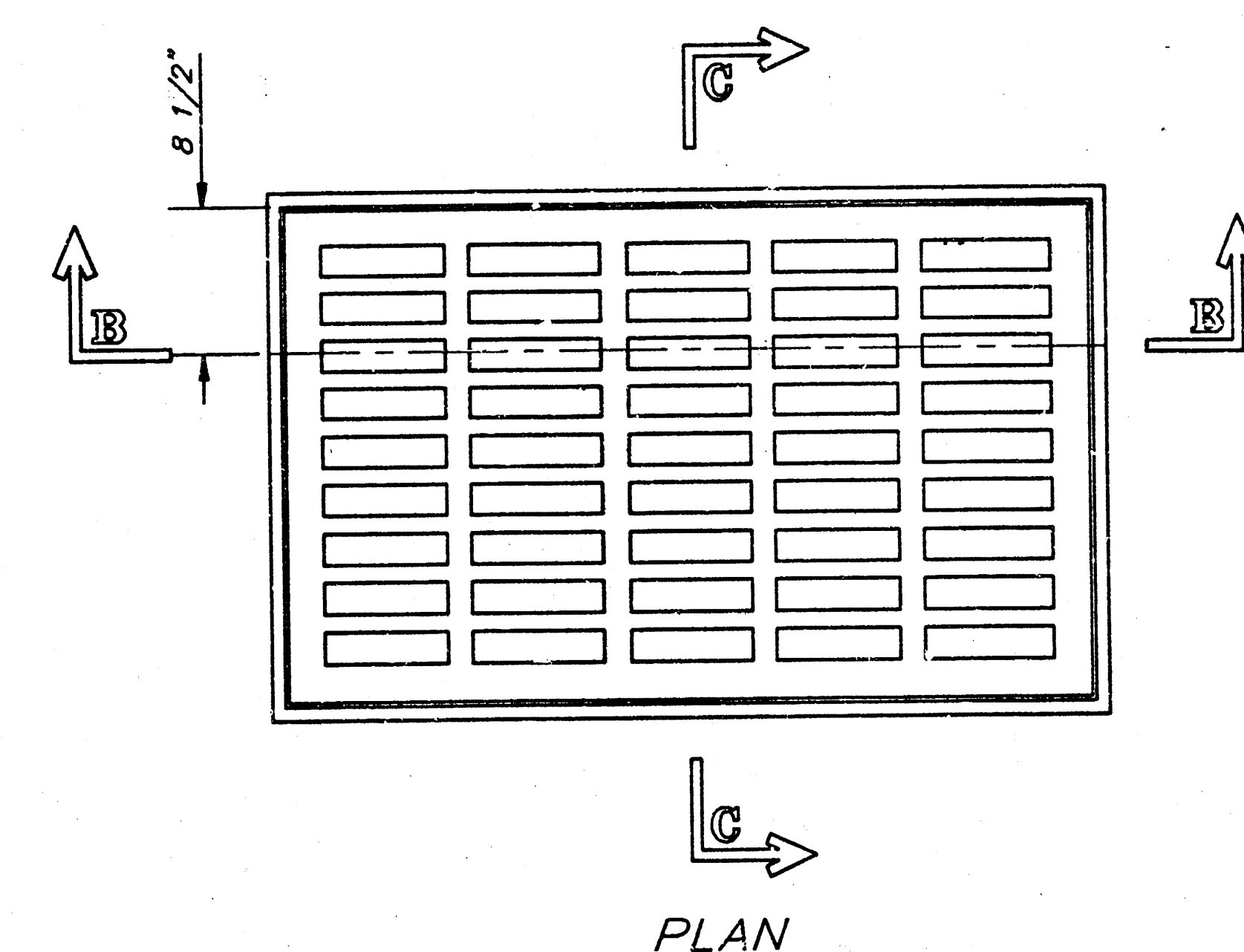


PLAN

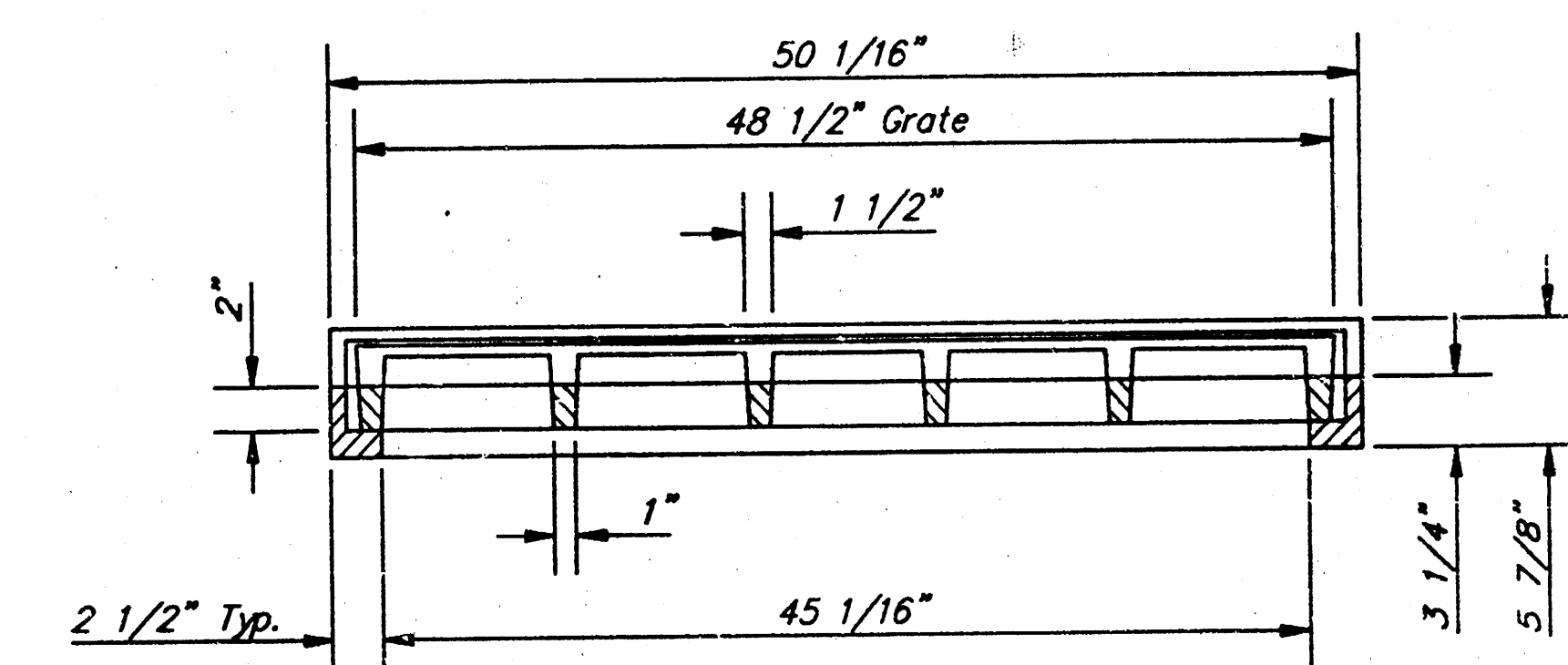
Radius Ramp Drive to be Constructed
On Lot 3, Block 2 per City Standard

GENERAL NOTES

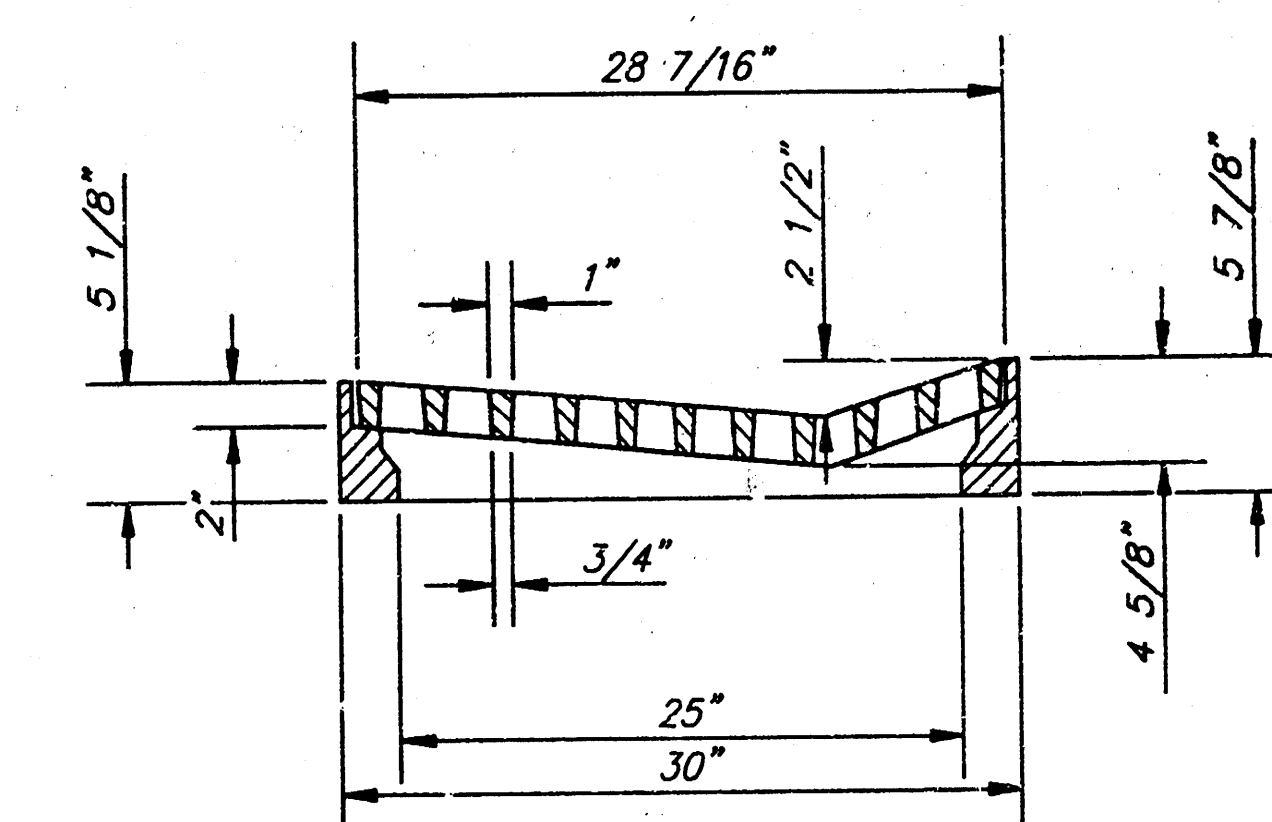
1. Grate frame to be installed on thin mortar cushion to insure full support along brick walls. Concrete used for inlet construction shall be concrete pavement mix.
2. Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
3. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.
4. Inlet Frame and Grate to be Deeter #2095 or approved equal



PLAN



SECTION B-B



SECTION C-C

DEETER #2095 FRAME & GRATE
TOTAL WEIGHT: 705 lbs.

SHANNON WOODS INLET RECONSTRUCTION DRIVEWAY INLET DETAILS

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

DESIGN	DRAWN	APPROVED	DATE	SCALE
T.C.A.	J. Long		June 27, 1991	None
PROJECT NUMBER				SHEET 2 OF 2