

CITY OF WICHITA, KANSAS

STREET IMPROVEMENTS

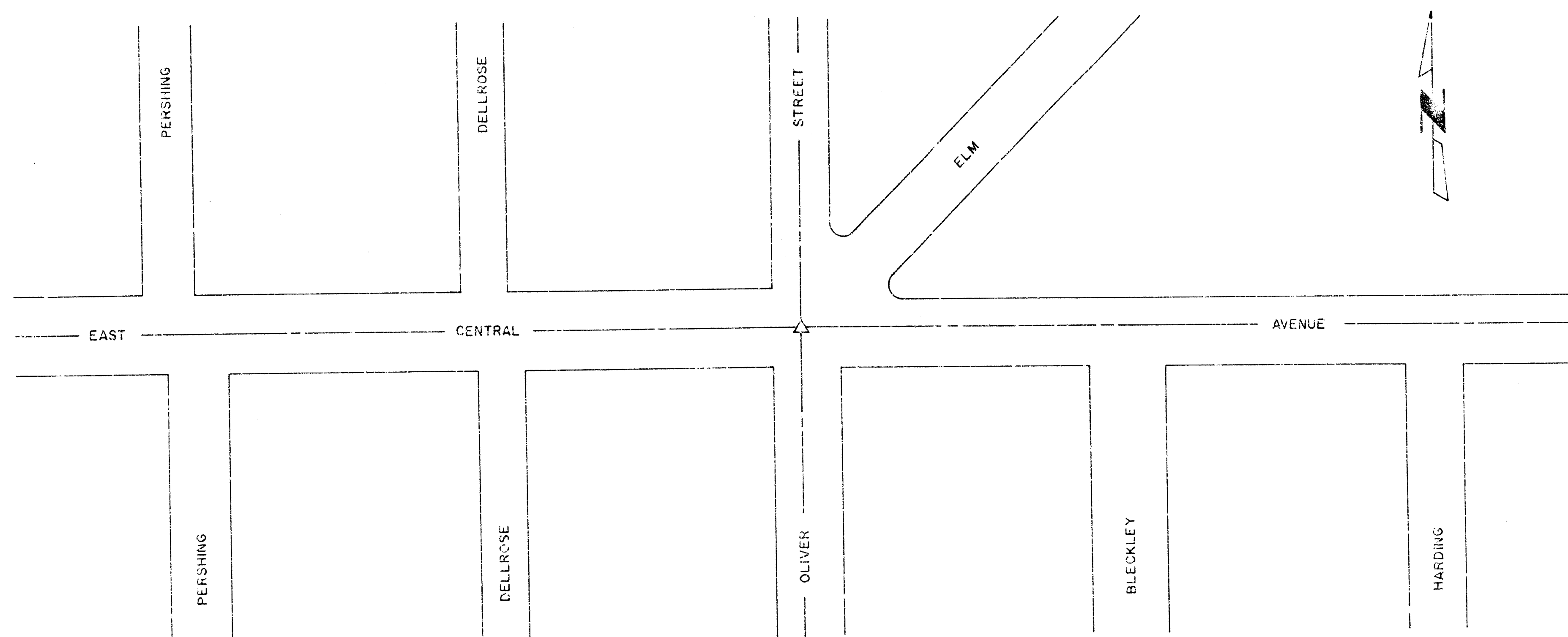
(EAST CENTRAL AVENUE)

PERSHING TO 485' EAST OF OLIVER

R. W. BRUGGEMAN: DIRECTOR OF ENGINEERING / CITY ENGINEER

APRIL, 1983

PROJ. NO. 472-76-245-81203-000-000-001



NOTE: Traffic shall be carried through construction in accordance with requirements presented in Special Provision.

PLANS PREPARED BY

Boomer/Frueh

Engineers Architects Planners

WICHITA, KANSAS

No. 6 & 8 Bags		
No. Req.	Length	Shape
2	2'-0"	—
2	4'-0"	—
8	6'-0"	—
2	8'-0"	—
4	12'-0"	—
2	16'-0"	—
2	17'-6"	—
2	20'-0"	┌
2	22'-0"	┌┐
2	29'-6"	—

Rebar Totals:
342 Lin. Ft. per Valley Gutter.

Increase Slope to 1"/Ft.
Rt. Sta 497+62.5 to Sta. 498+38.5
Transition to normal Slope in 10'

Diagram illustrating a composite shape with dimensions and slopes:

- Top horizontal segment: 5"
- Top slope: Slope $\frac{1}{4}"/ft$
- Top horizontal segment: 3'0"
- Top slope: Slope $\frac{3}{8}"/ft$
- Bottom horizontal segment: 8"
- Bottom vertical segment: 6"
- Total width: 2'6"
- Total height: 13 1/8"

COMBINED CURB & GUTTER
FOR PARKING LOT

DEPARTMENT OF ENGINEERING
R.W. BRUGGEMAN, DIR. OF ENGINEERING-CITY ENGINEER

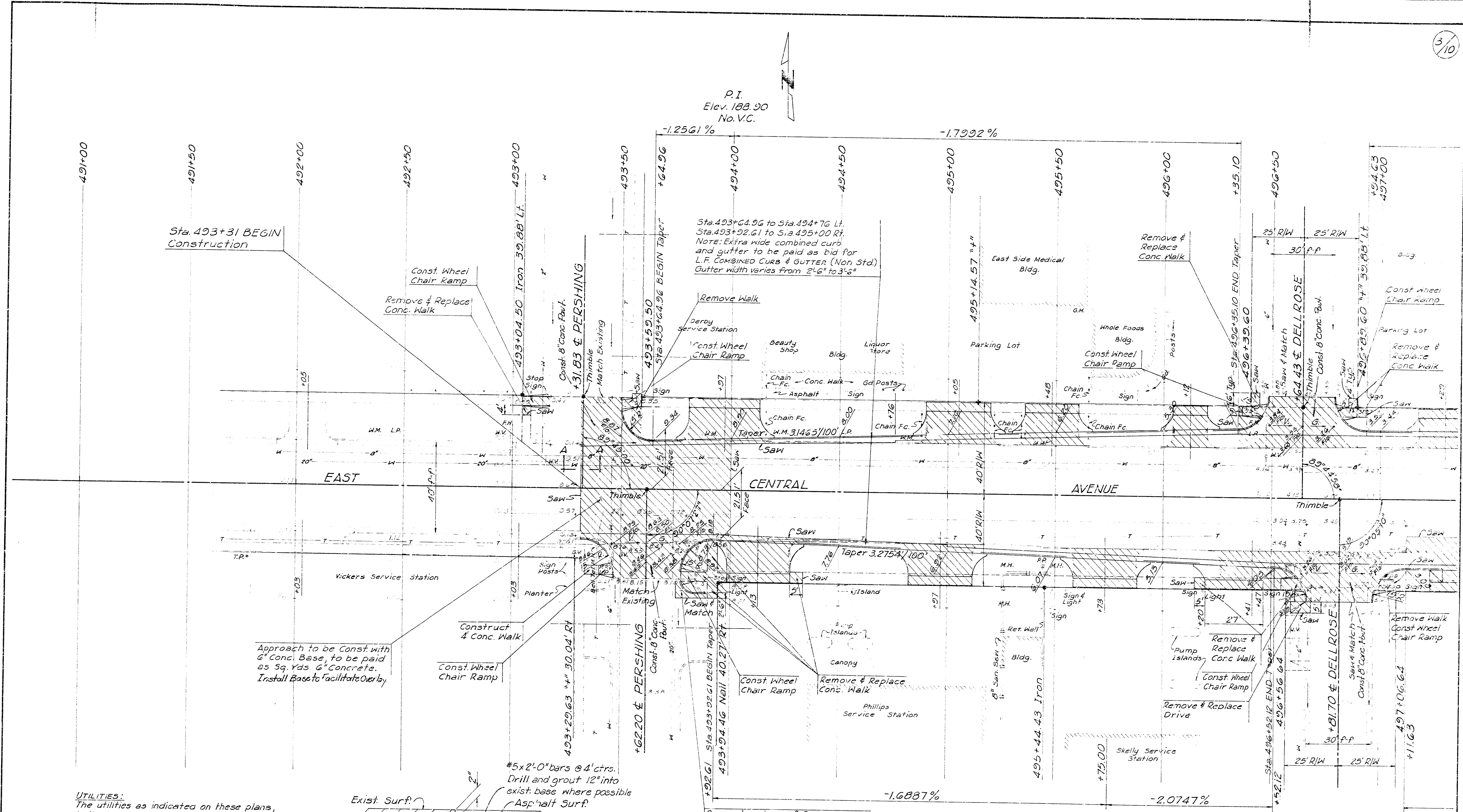
EAST CENTRAL AVE. & OLIVER ST.

TYPICAL SECTIONS

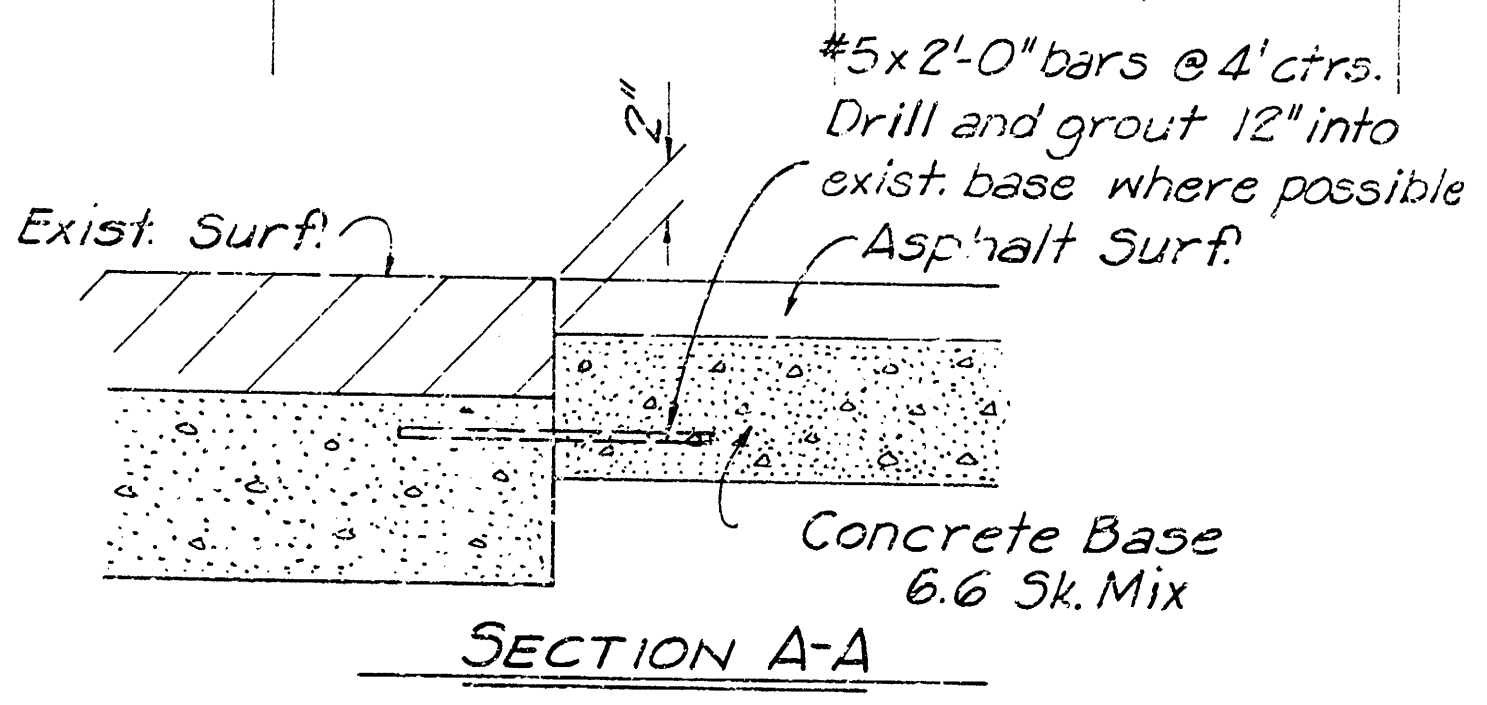
CITY OF WICHITA PROJ. NO. 472-76-245-81203-000-000-001

Hooker/Freund
Engineers Architects Planners

SCALE _____ DATE *April, 1983* DWS NO. K-9C65-

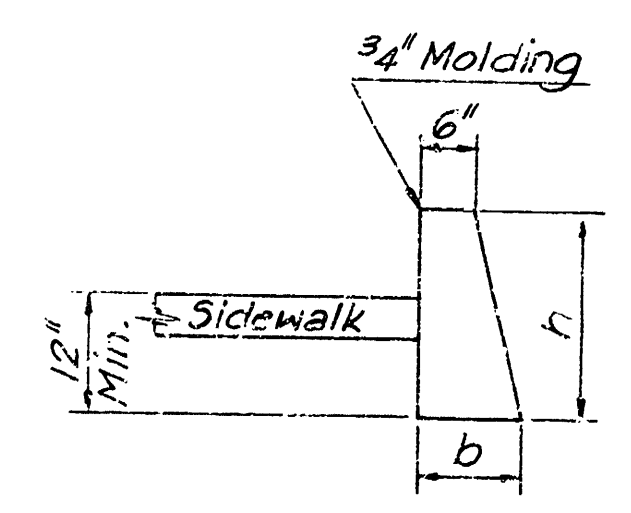


UTILITIES:
The utilities as indicated on these plans, both above and below ground, represent the best information available at this time. It is the contractor's responsibility to contact each of the utility companies involved for accurate field location of their utilities prior to beginning any excavation or construction work on this project.



LEGEND

- Removal
- Indicates proposed elevations. Elevations shown at back of curb are top of std. height curb.
- Indicates flow line elevations, other elevations shown in intersections are finished surface elevations.



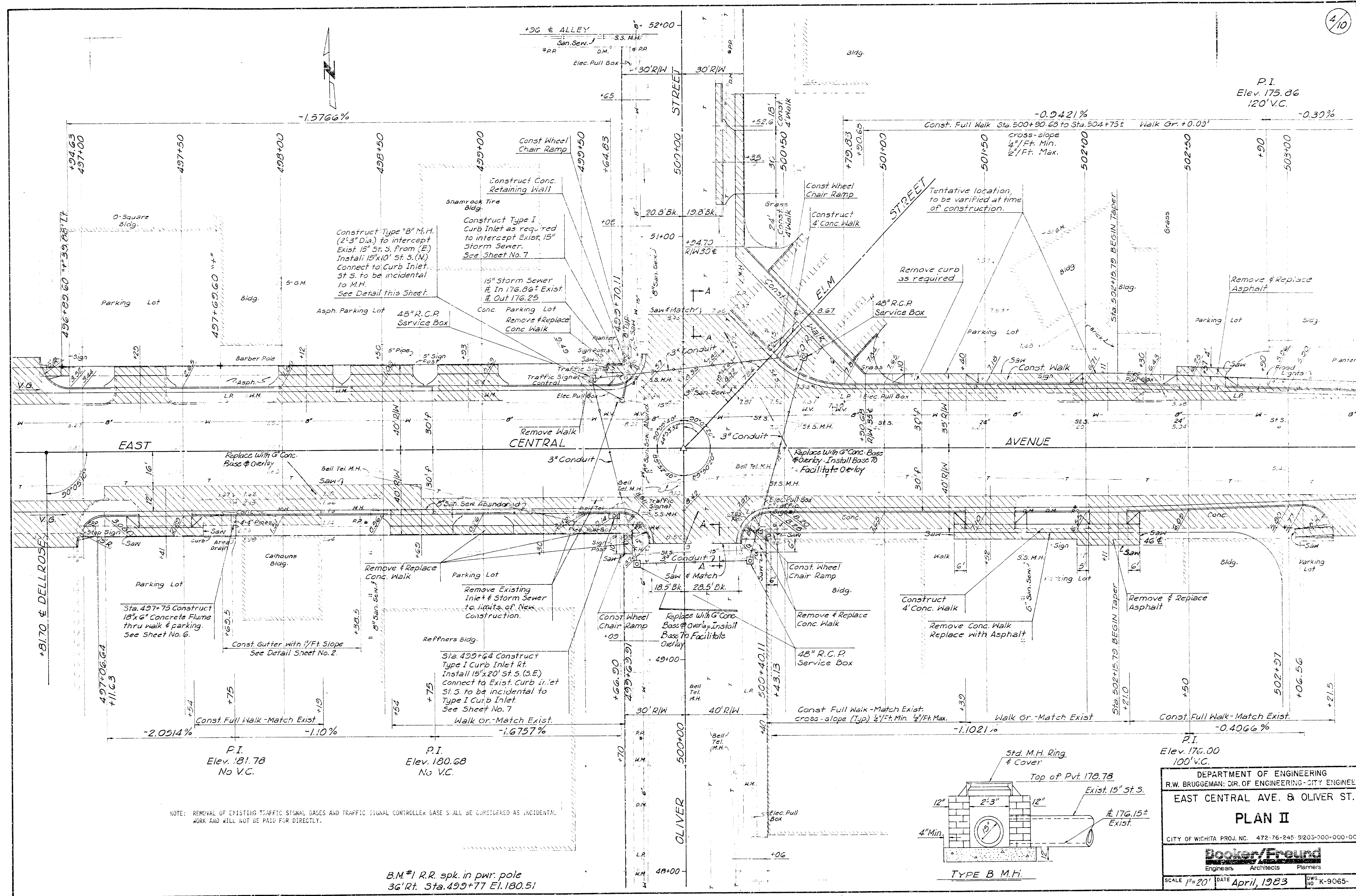
P.I.
Elev. 185.65
No V.C.

DIMENSION	CONC./FT
h	11"
cu Yds.	0.46

NOTE: All excavation for retaining walls shall be included in the bid price per lin. ft. of retaining walls.

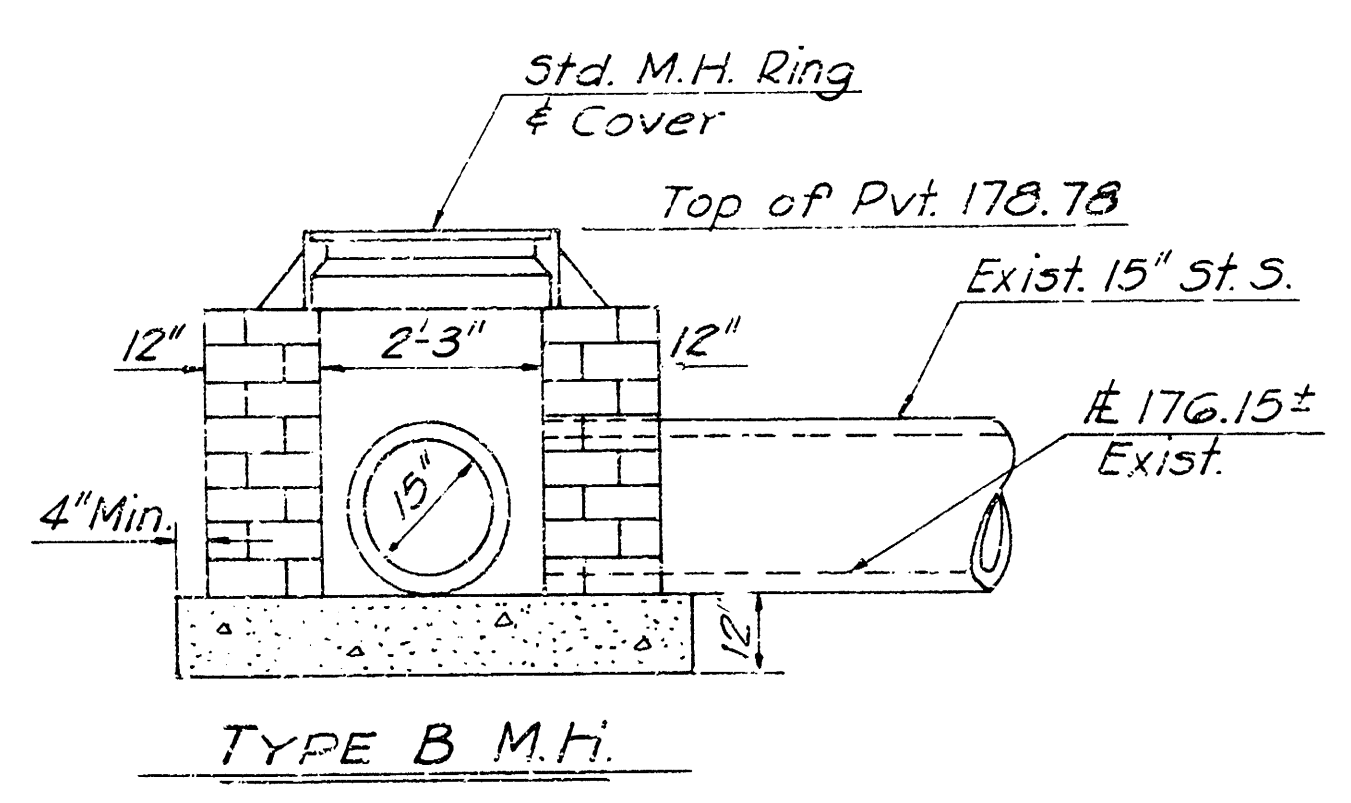
B.M.#2 R.R. spk. in tel. pole
32' Rt. Sta. 491+78 El. 193.54

DEPARTMENT OF ENGINEERING
R.W. BRUGGEMAN, DIR. OF ENGINEERING - CITY ENGINEER
EAST CENTRAL AVENUE
PLAN I
CITY OF WICHITA PROJ. NO. 472-76-245-BIL33-000-000-001
Boeker/Freund
Engineers Architects Planners
SCALE 1"=20' DATE April, 1983 EWO-K-9065

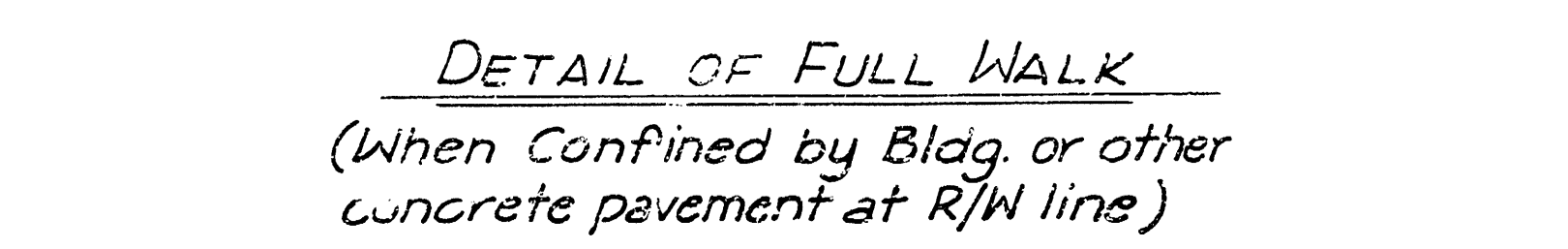
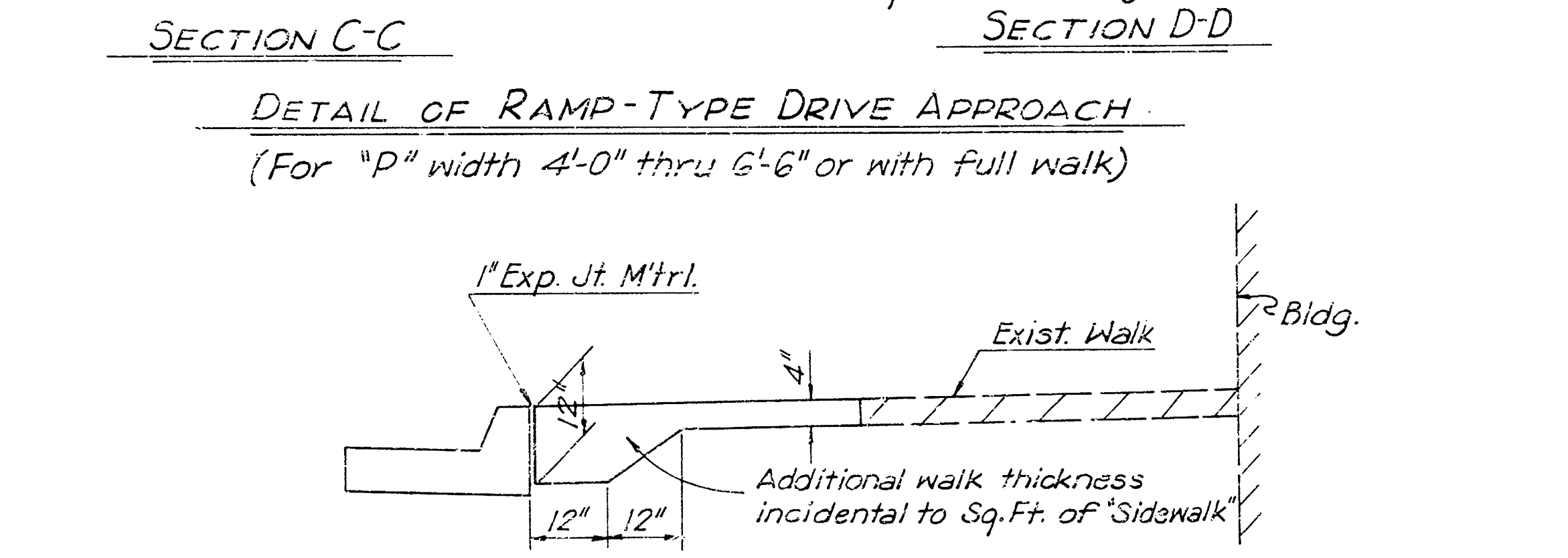
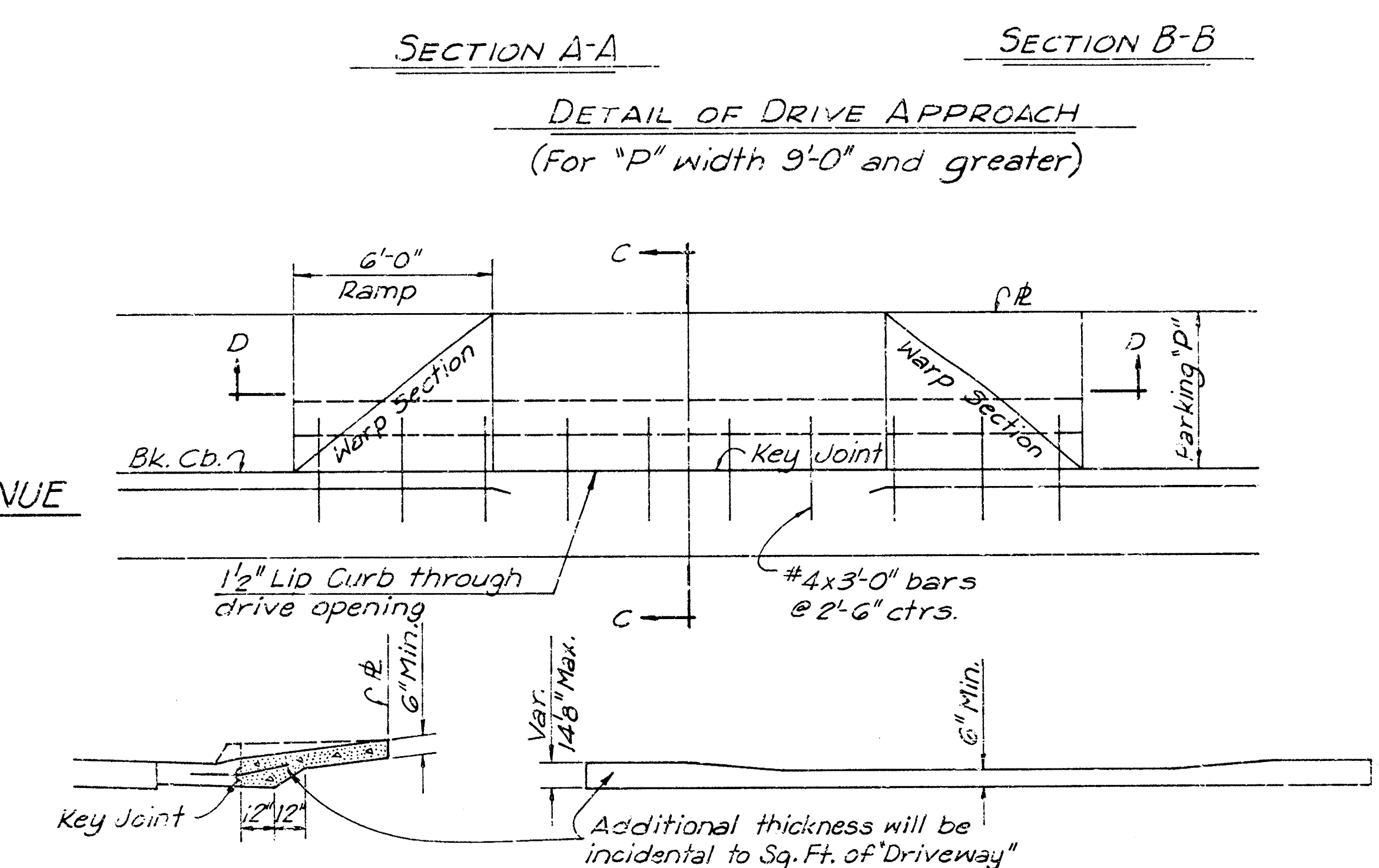
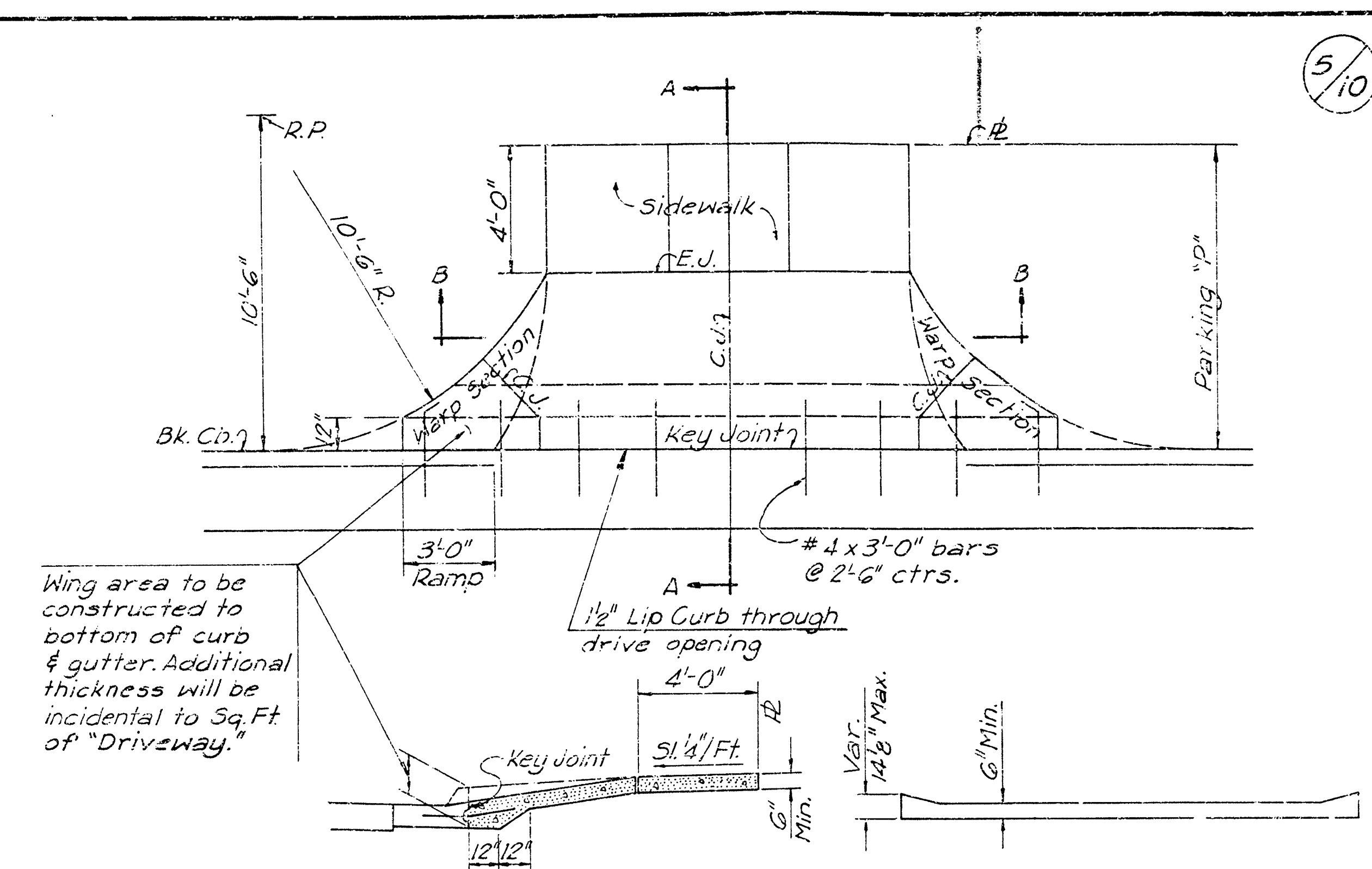
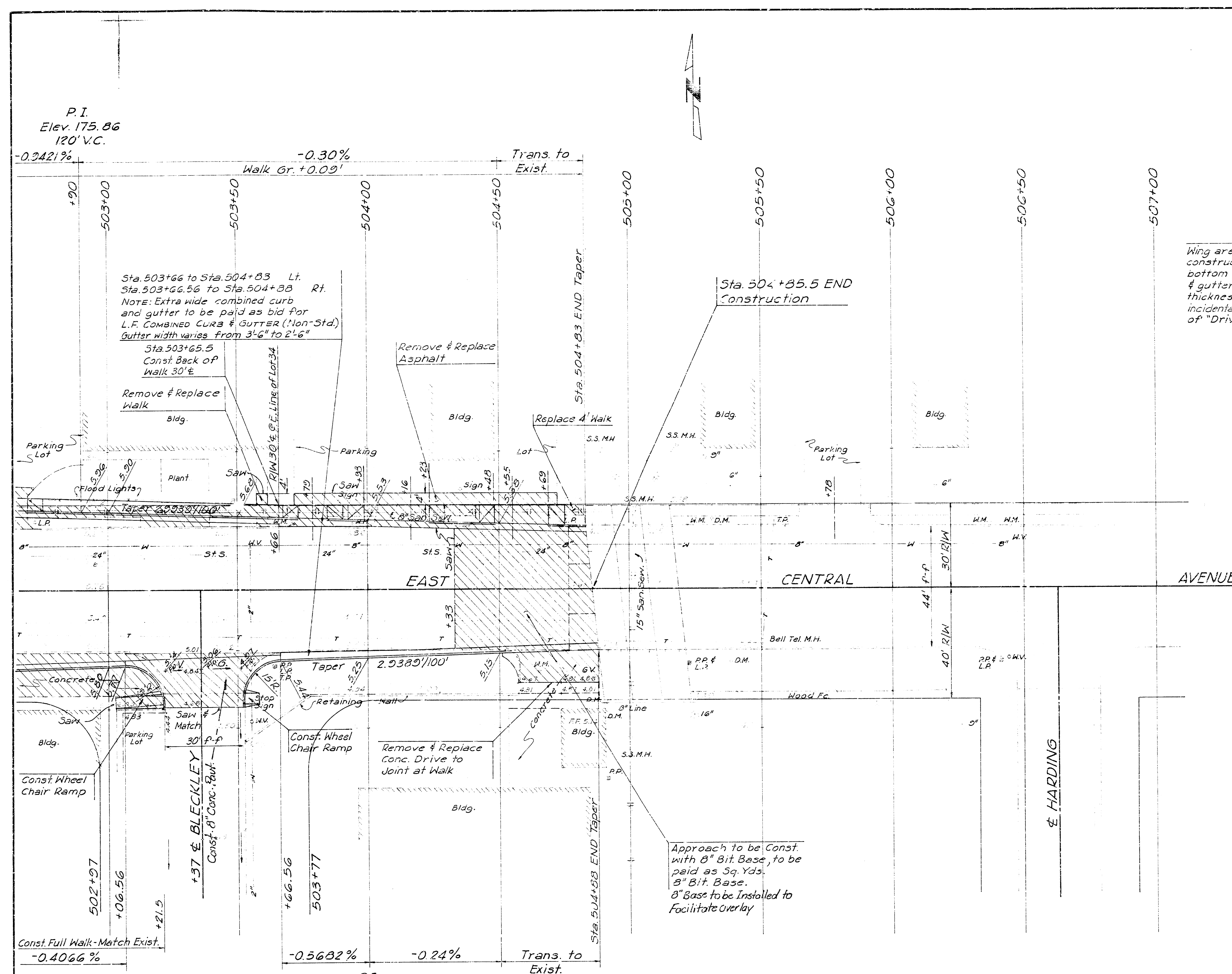


NOTE: REMOVAL OF EXISTING TRAFFIC SIGNAL BASES AND TRAFFIC SIGNAL CONTROLLER BASE SHALL BE CONSIDERED AS INCIDENTAL WORK AND WILL NOT BE PAID FOR DIRECTLY.

B.M. #1 R.R. spk. in pwr. pole
36' Rt. Sta. 497+77 El. 180.51

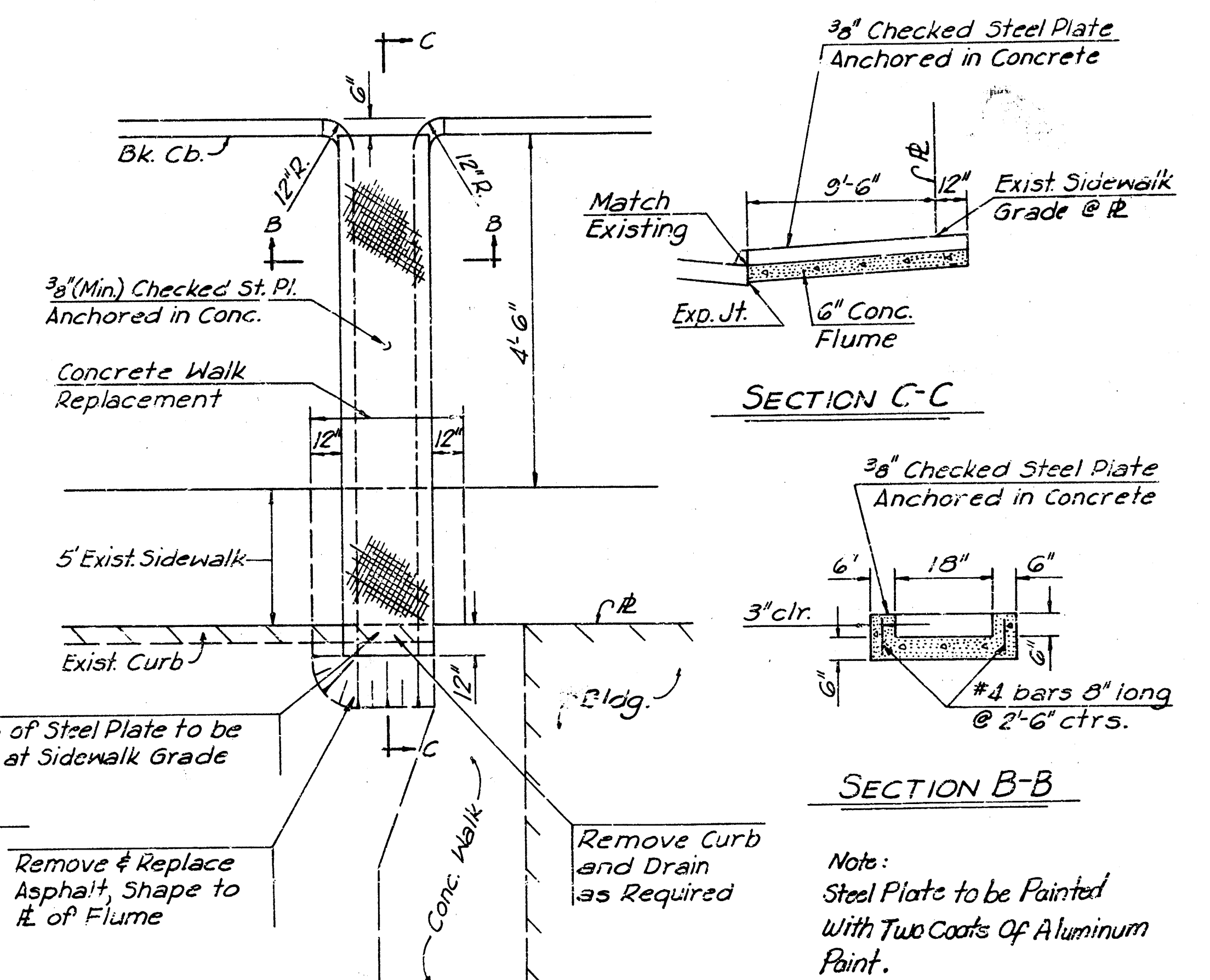
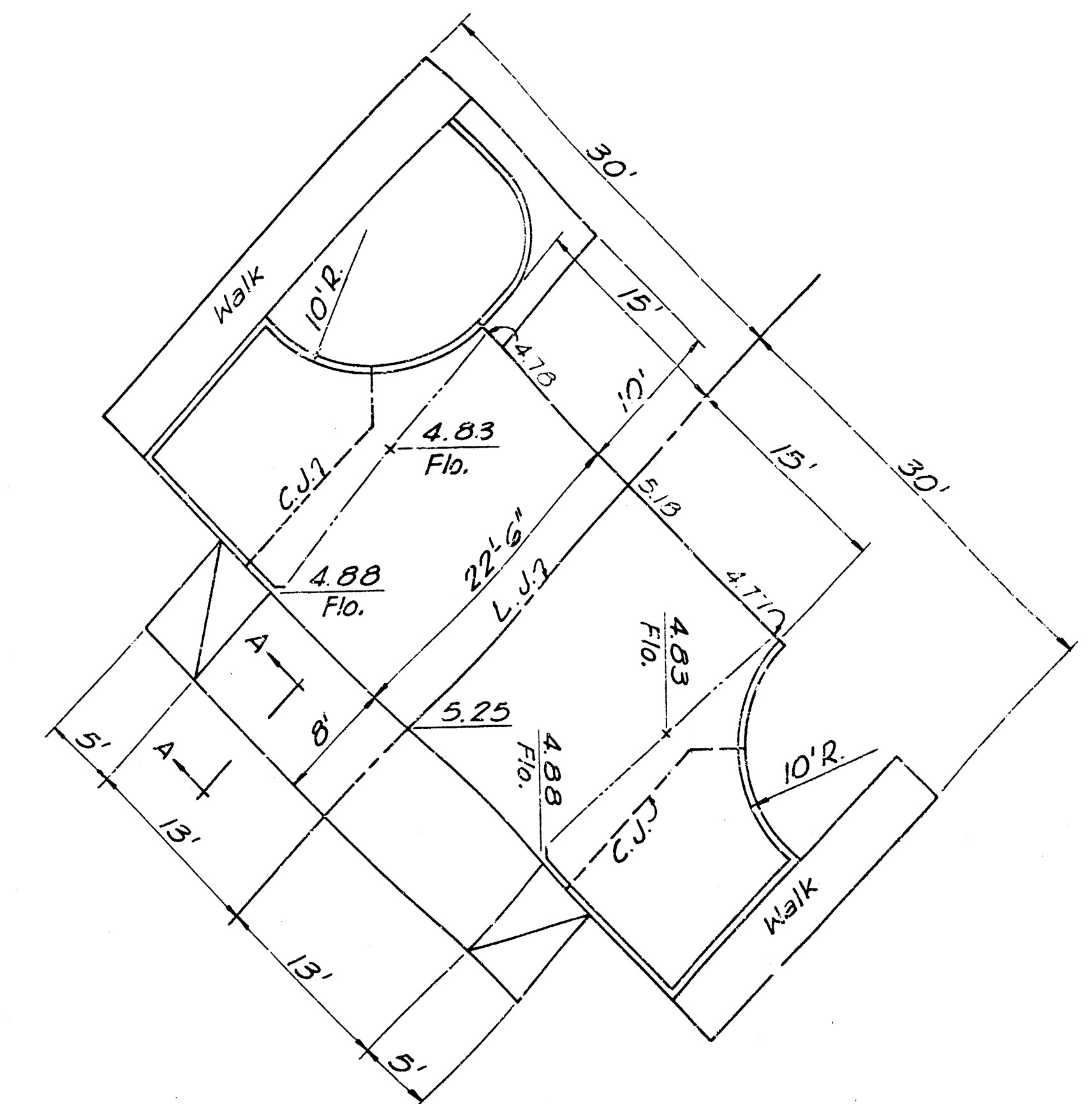
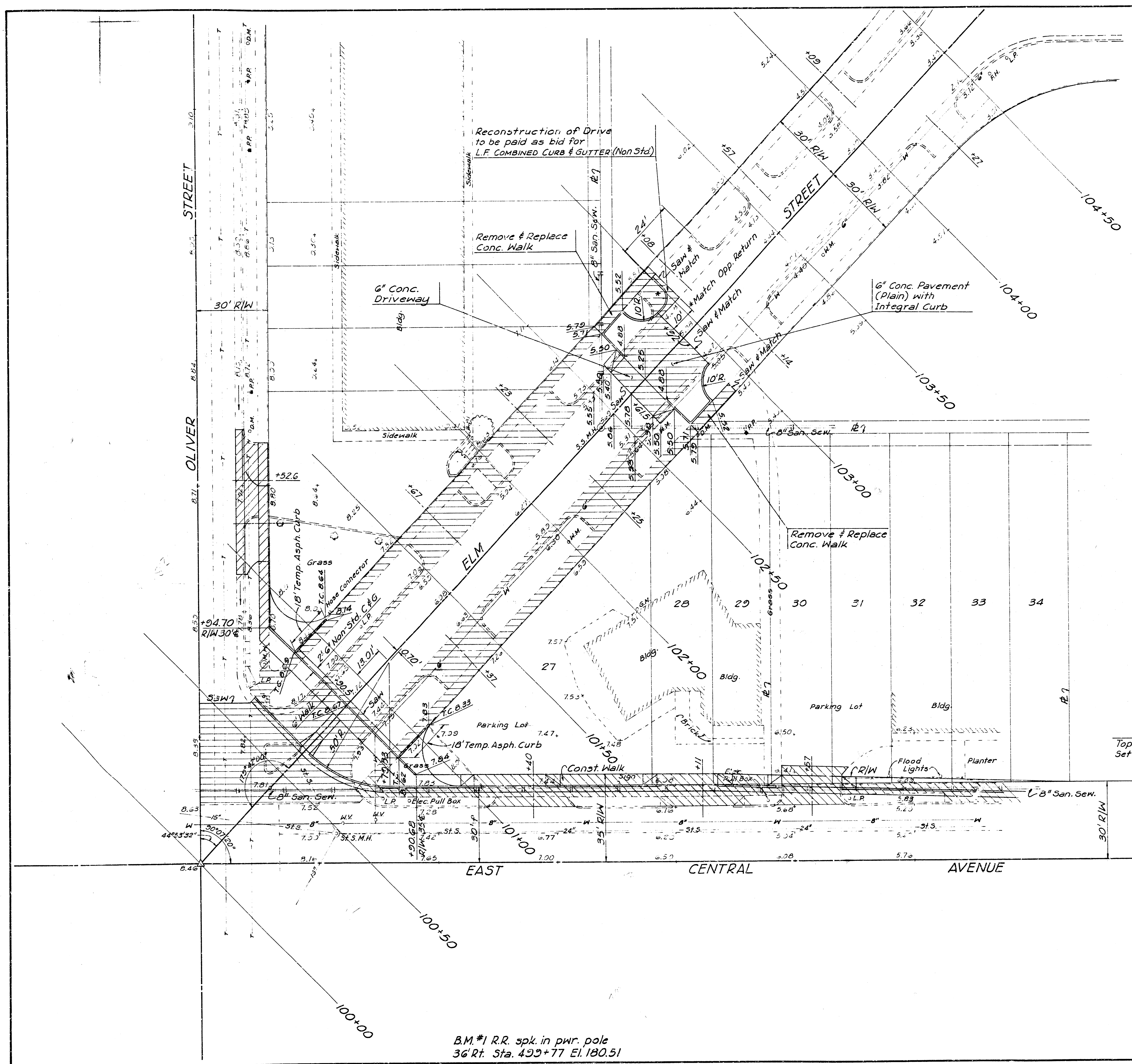


DEPARTMENT OF ENGINEERING	
R.W. BRUGGEMAN, DIR. OF ENGINEERING - CITY ENGINEER	
EAST CENTRAL AVE. & OLIVER ST.	
PLAN II	
CITY OF WICHITA PROJ. NO. 472-76-245-91203-000-000-001	
Dooker/Freund	
Engineers	Architects
Planners	
SCALE 1"=20'	DATE April, 1983
DWG. K-9065-	



B.M.#3 RR spk in tel pole
S.E. cor. Battin & Central E1.133.54

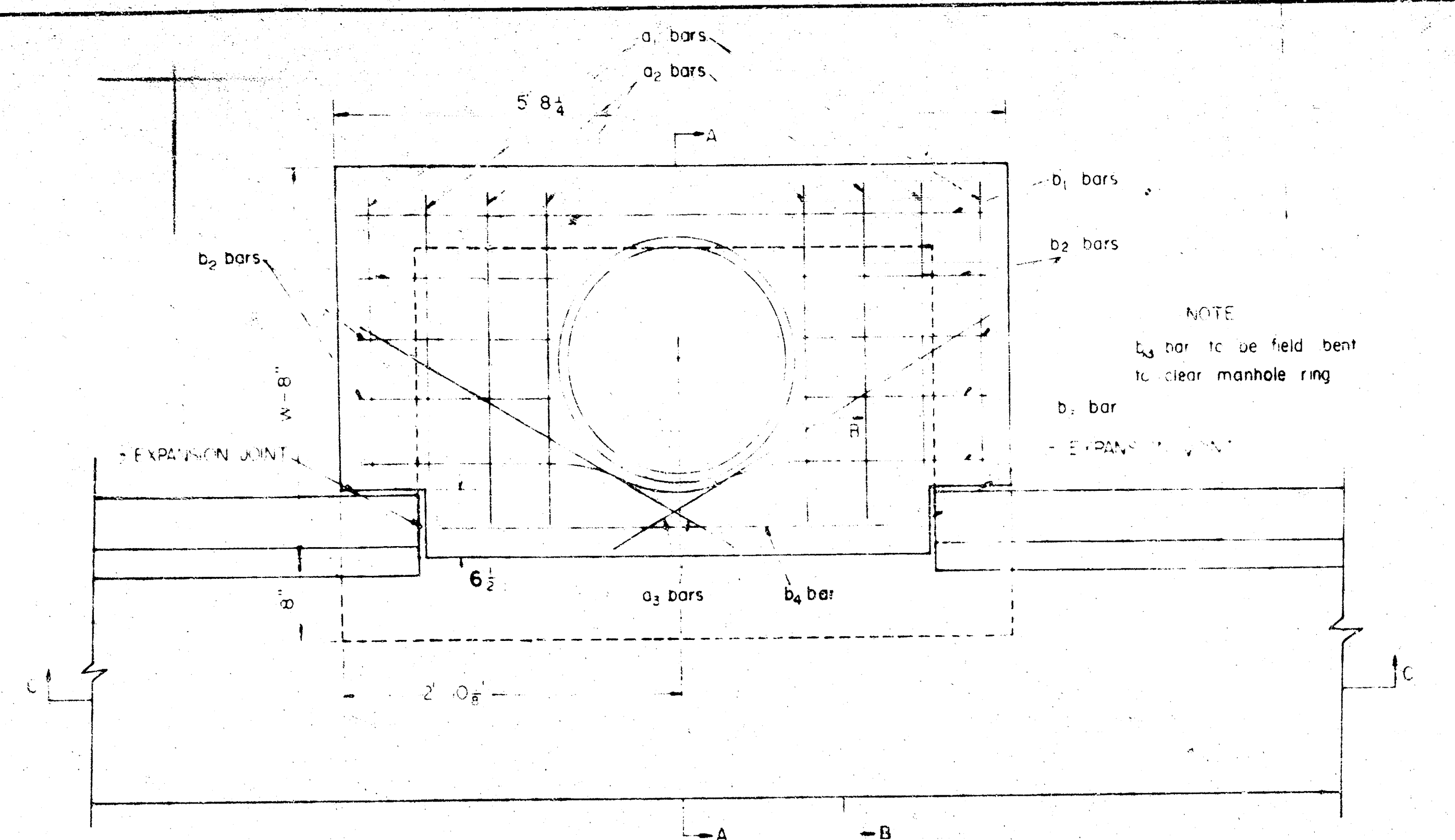
DEPARTMENT OF ENGINEERING R.W. BRUGGEMAN, DIR. OF ENGINEERING-CITY ENGINEER	
EAST CENTRAL AVENUE	
PLAN III	
CITY OF WICHITA PROJ. NO. 472-76-245-B1203-000-000-001	
Booker/Freund Engineers Architects Planners	
SCALE 1"=20'	DATE April, 1983
DWG. K-9065-	



CONCRETE FLUME DETAIL
(Thru Street Parking)

DEPARTMENT OF ENGINEERING R.W. BRUGGEMAN, DIR. OF ENGINEERING-CITY ENGINEER	
ELM STREET	
PLAN IV	
CITY OF WICHITA PROJ. NO. 472-76-245-81203-000-000-001	
Booker/Freund Engineers Architects Planners	
SCALE 1"=20'	DATE April, 1983
DWG. NO. K-9065-	

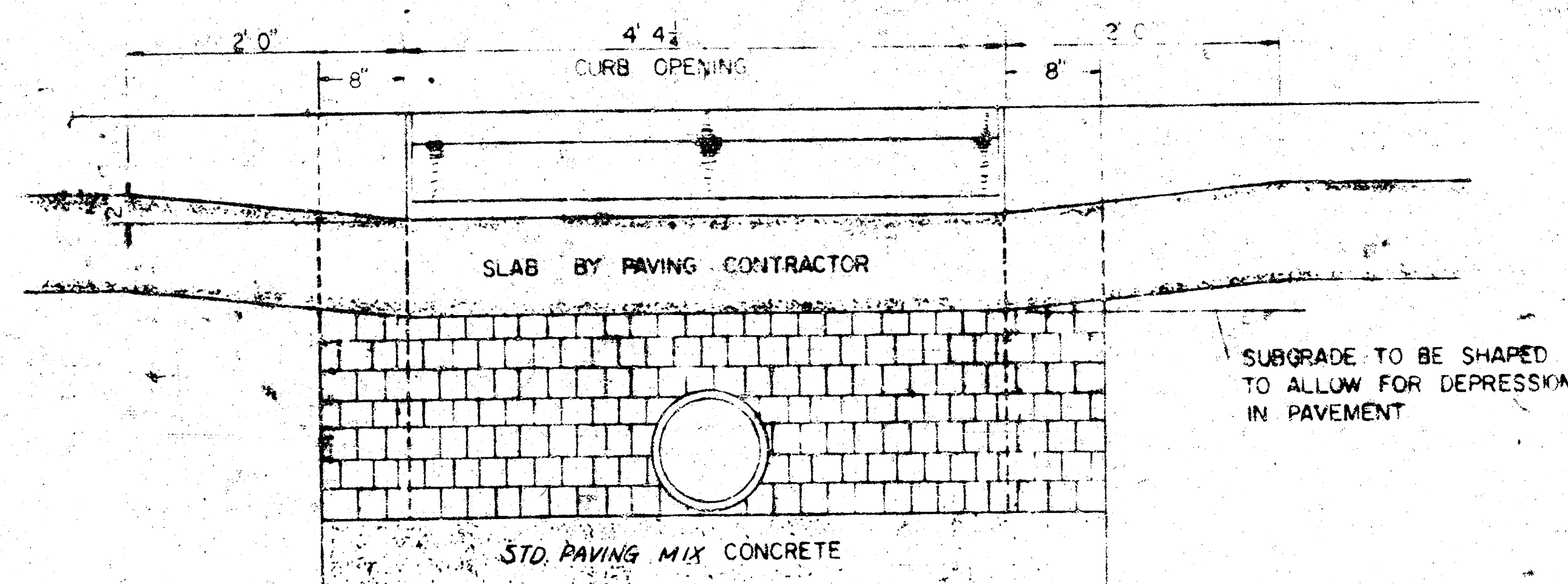
B.M. #1 R.R. spk. in pwr. pole
36' Rt. Sta. 439+77 El. 180.51



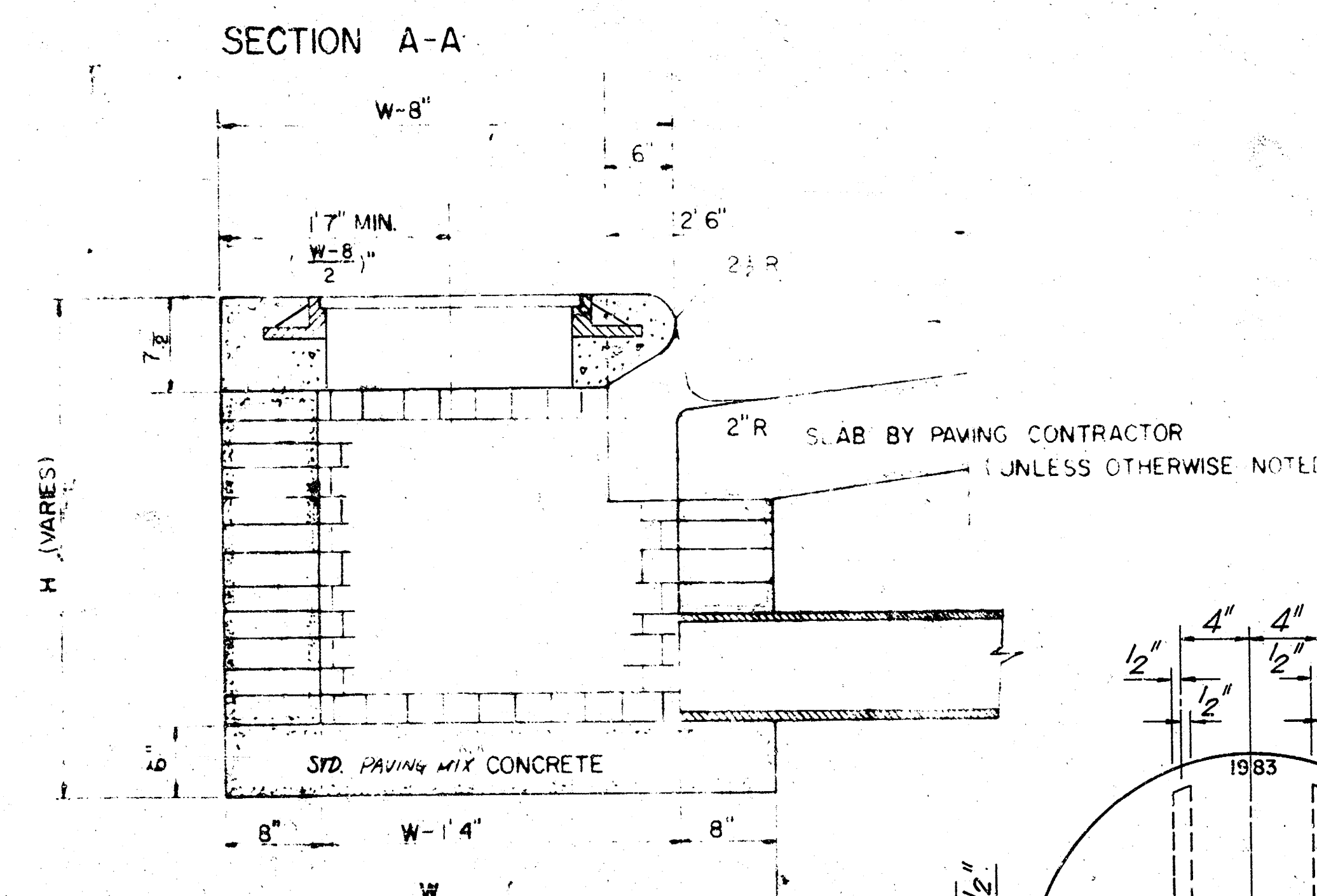
REIN. STEEL TO BE PLACED ON 6" CTR'S

BAR	a ₁	a ₂	a ₃	b						W ¹ LBS
				b ₁	b ₂	b ₃	b ₄	b ₅	b ₆	
SIZE ~	"4	"4	"4	"4	"4	"4	"4	"4	"6	
NUMBER	4	4	2			5	6			
W: 4' 2"	5' 5"	6' 5"	3' 7"	5' 5"		5' 7"	5' 6"	4' 0"	6' 0"	
W: 5' 0"	7' 1"	8' 1"	4' 7"	- 5' 5"		- 5' 7"	5' 6"	4' 0"	7' 7"	
W: 6' 0"	9' 1"	10' 1"	5' 7"	- 6' 5"		- 5' 5"	5' 6"	4' 0"	9' 7"	

* NOTE: A₃ BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER



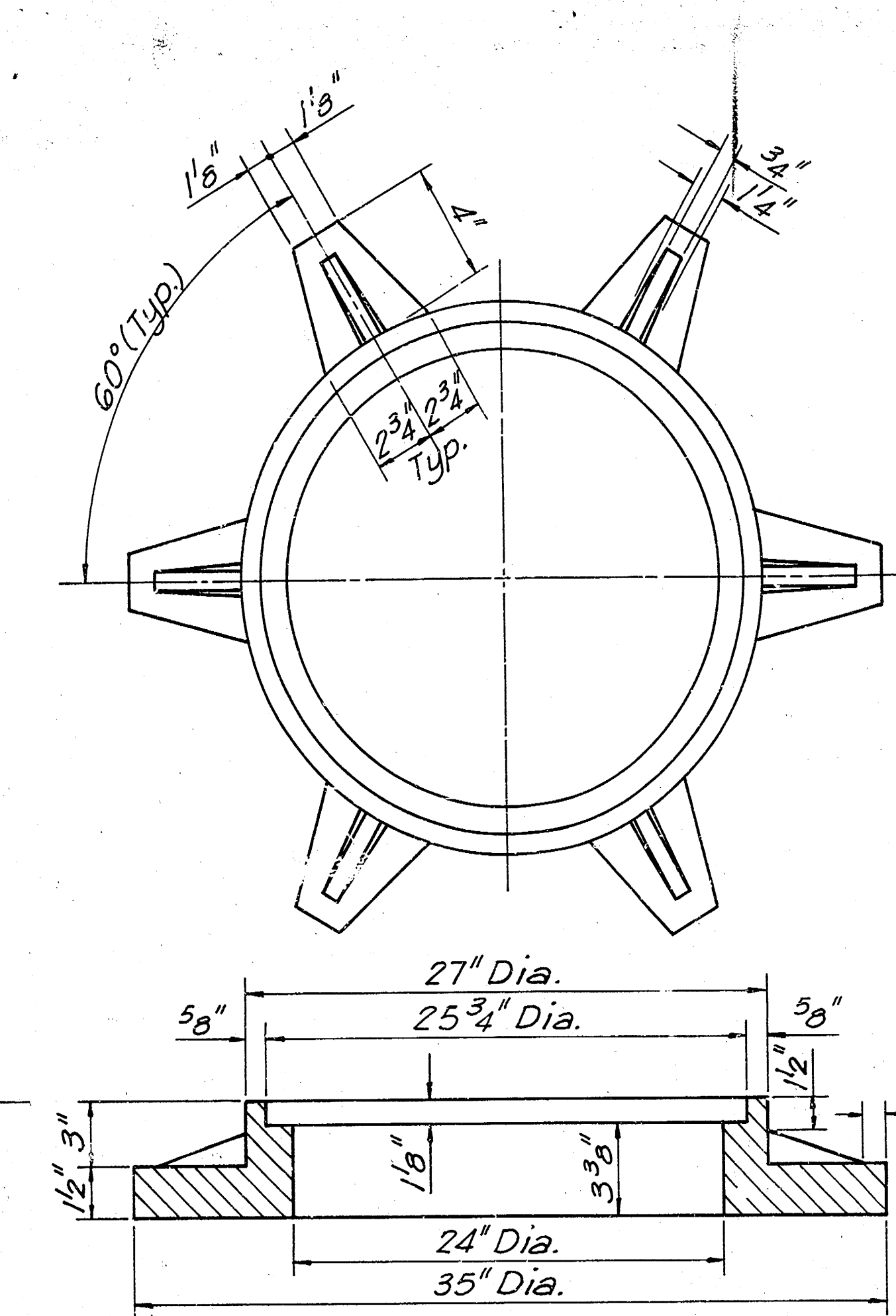
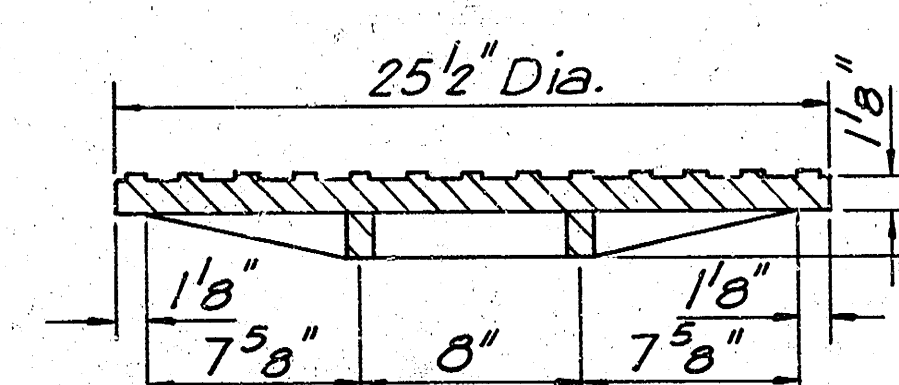
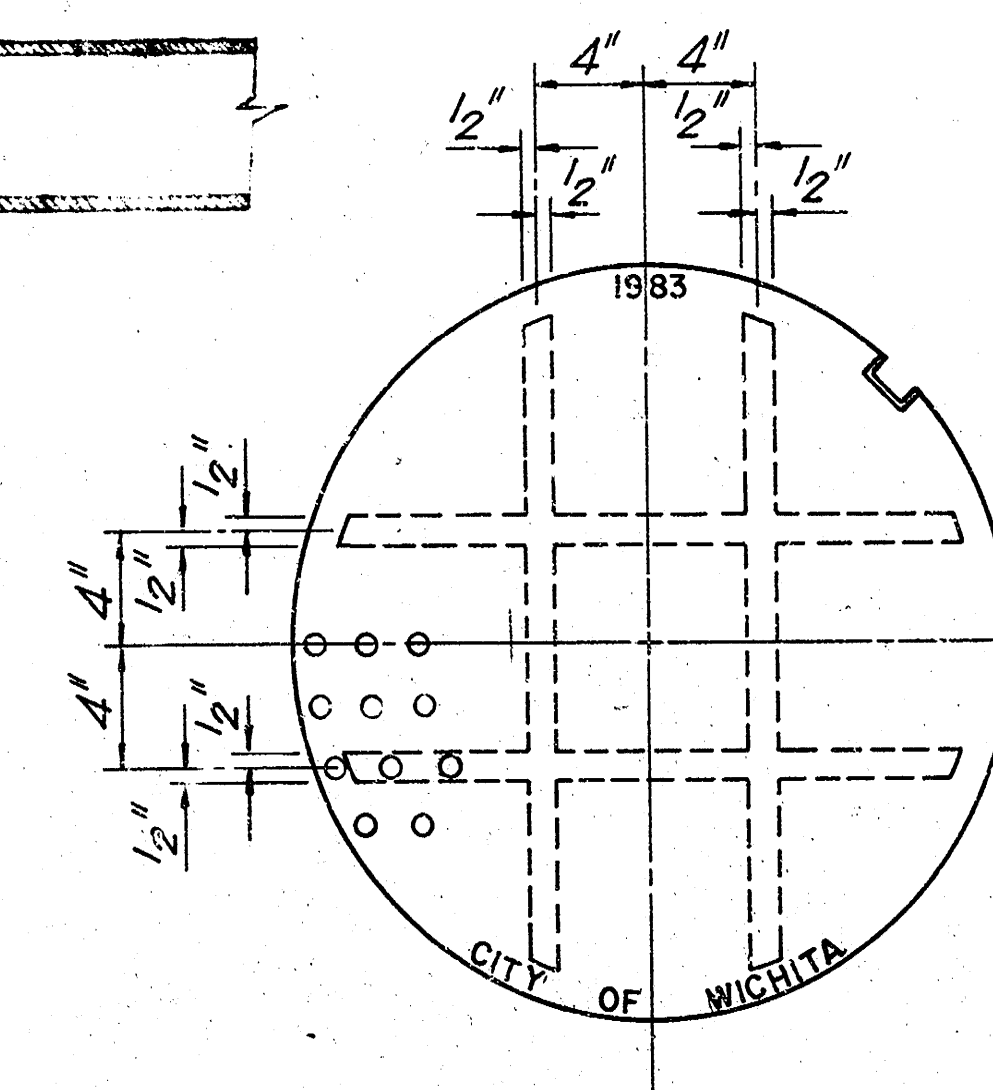
BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.



STD CURB INLET CONCRETE TOP			
W	SIZE	PIPE SIZE	CL YD CONC
4' 2"	36" x 58" x 7 1/2"	24" 8 SMALLER	0.46"
5' 0"	44" x 58" x 7 1/2"	30" 8 36"	0.57"
6' 0"	54" x 58" x 7 1/2"	42" 8 48"	0.71"

* GROSS VOLUME

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 FOR INLET TOPS AND FLOORS SHALL BE STANDARD PAVING MIX.



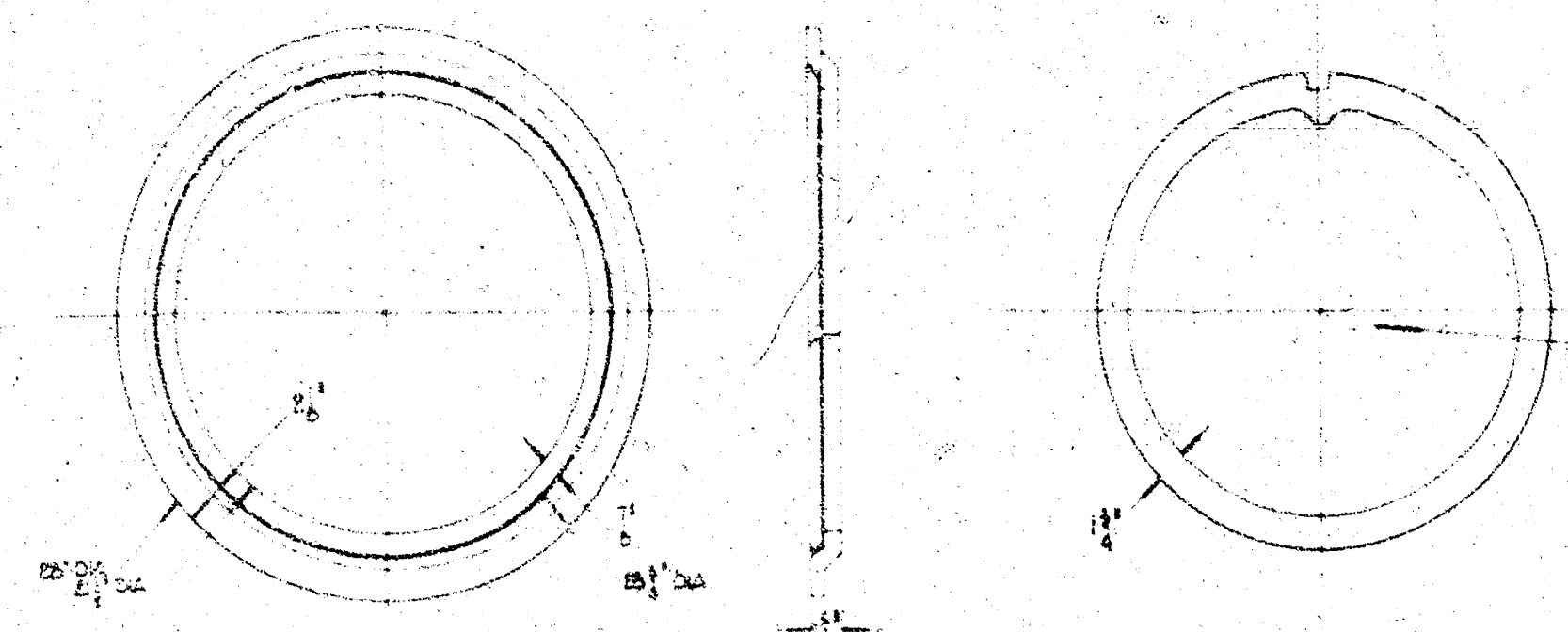
THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL HEIGHT STANDARD CURBS.

1-Revised 4-15-83

DETAIL
STANDARD CURB INLET-TYPE
CITY OF WICHITA, KANSAS

FEBRUARY, 1975

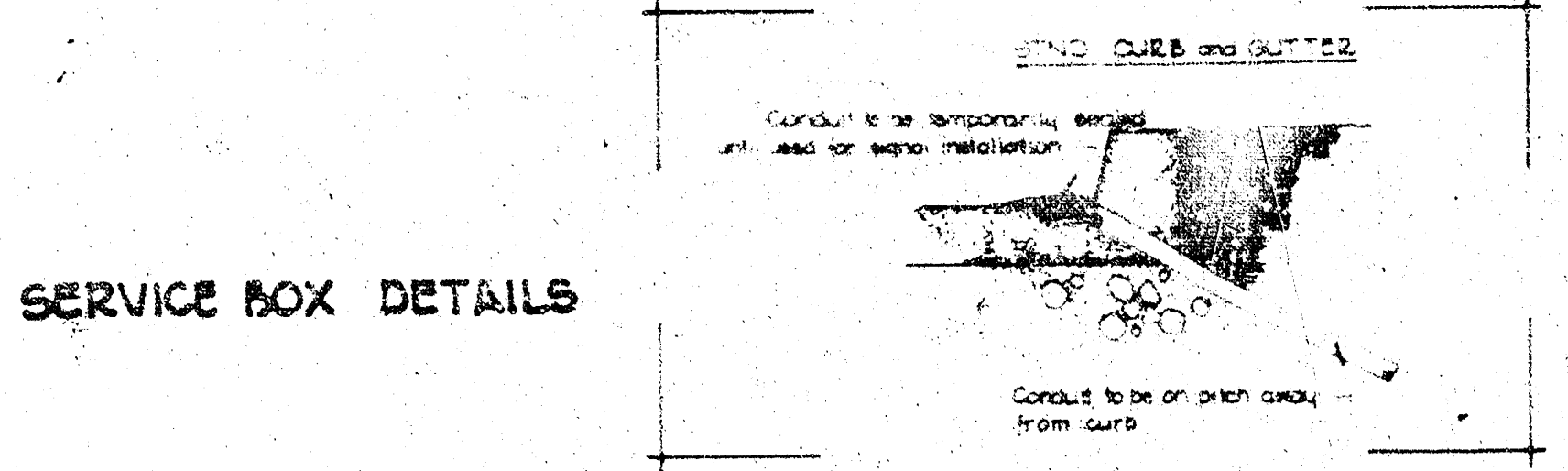
CAST IRON MANHOLE RING and COVER



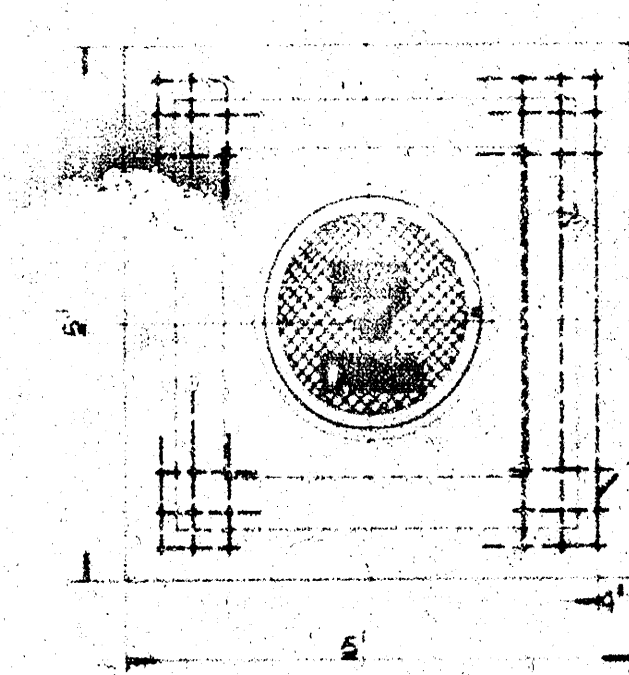
CITY OF WICHITA
Pattern available from the Traffic O&M Division, Central Maintenance Facility

Manhole Ring & Cover Model RG-250 may be purchased from Western Iron & Foundry
Deeter Foundry Inc. Model # 1720 Walkway Ring & Solid Cover

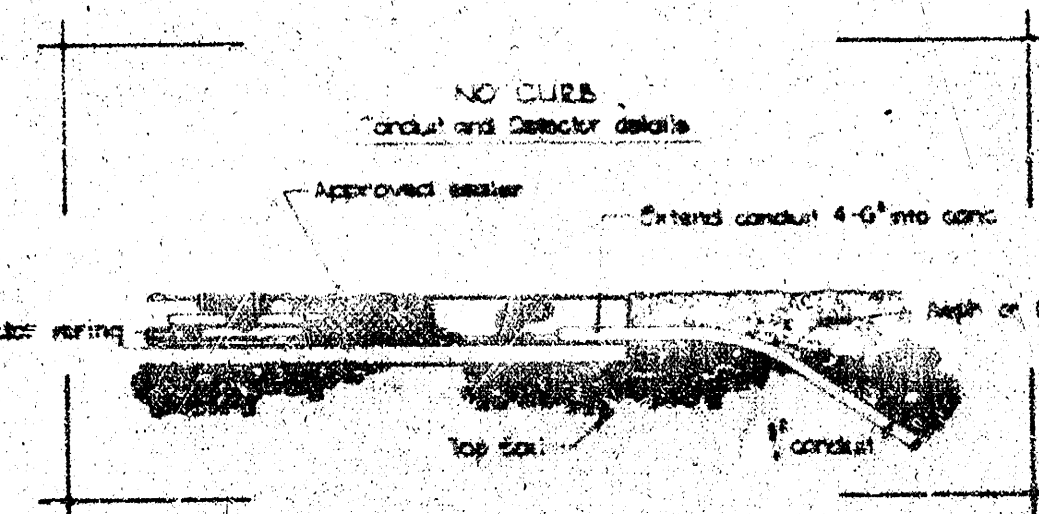
SERVICE BOX DETAILS



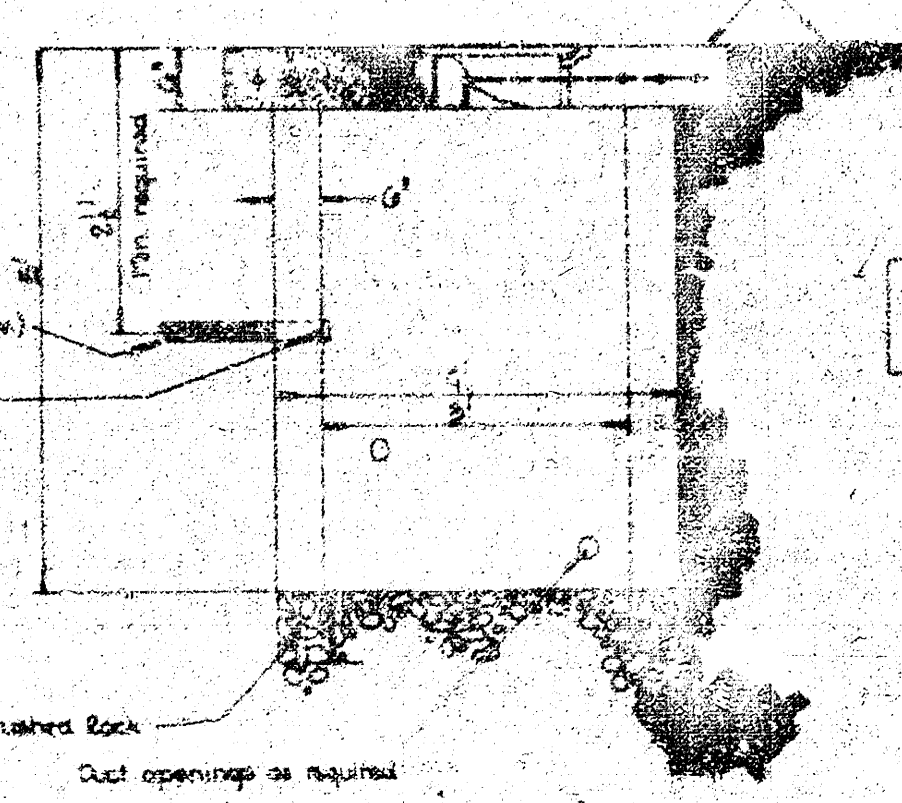
Station & Offset as shown on Plans



3" Rigid Steel Conduit on 4 sides



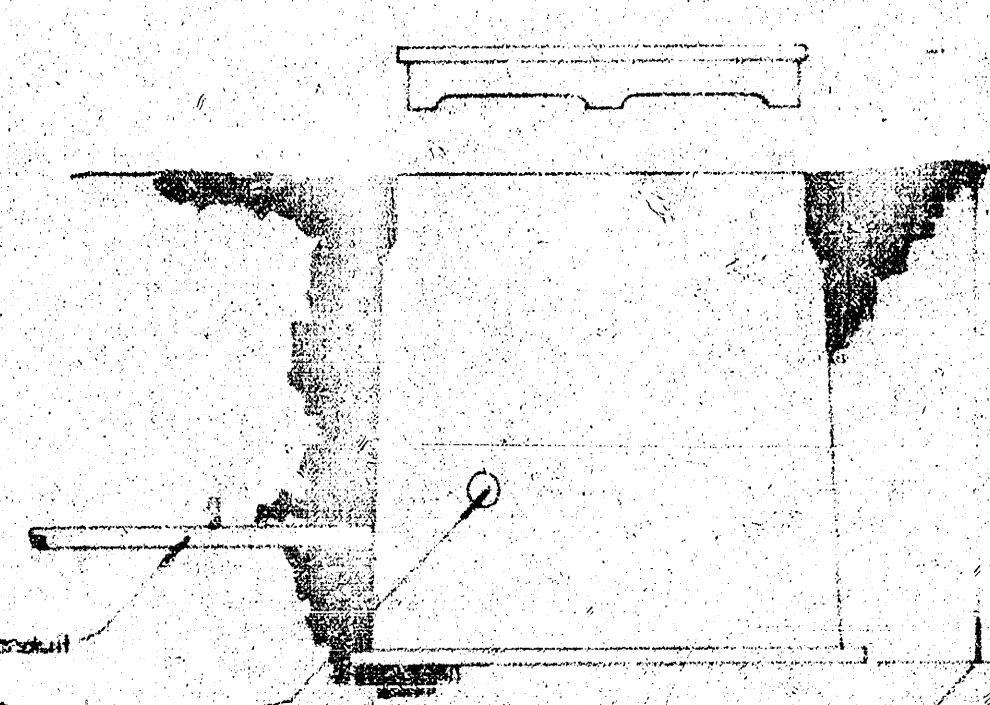
Top of service box to be flush with ground level



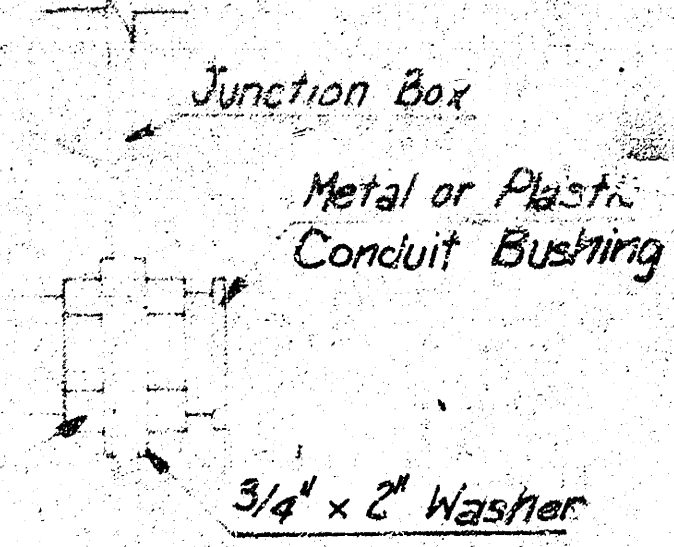
Min 6" Crushed Rock

Conduit connections to service boxes shall extend to the inside face of the wall & be terminated with a cable bushing.
Conduit at inside face of service box shall be sealed

JUNCTION BOX DETAILS

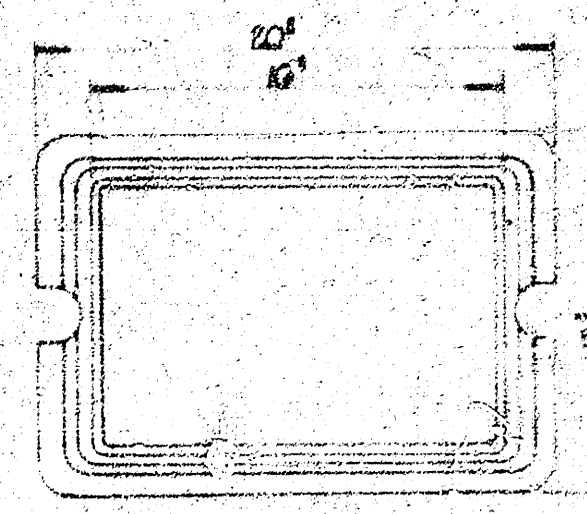


3" Rigid Steel Conduit on 4 sides

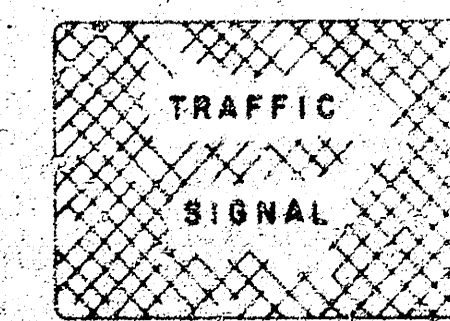


3/4" Conduit
3/4" Conduit Lock Nut
3/4" x 2" Washer

JUNCTION BOX DETAIL AT CONDUIT OPENING

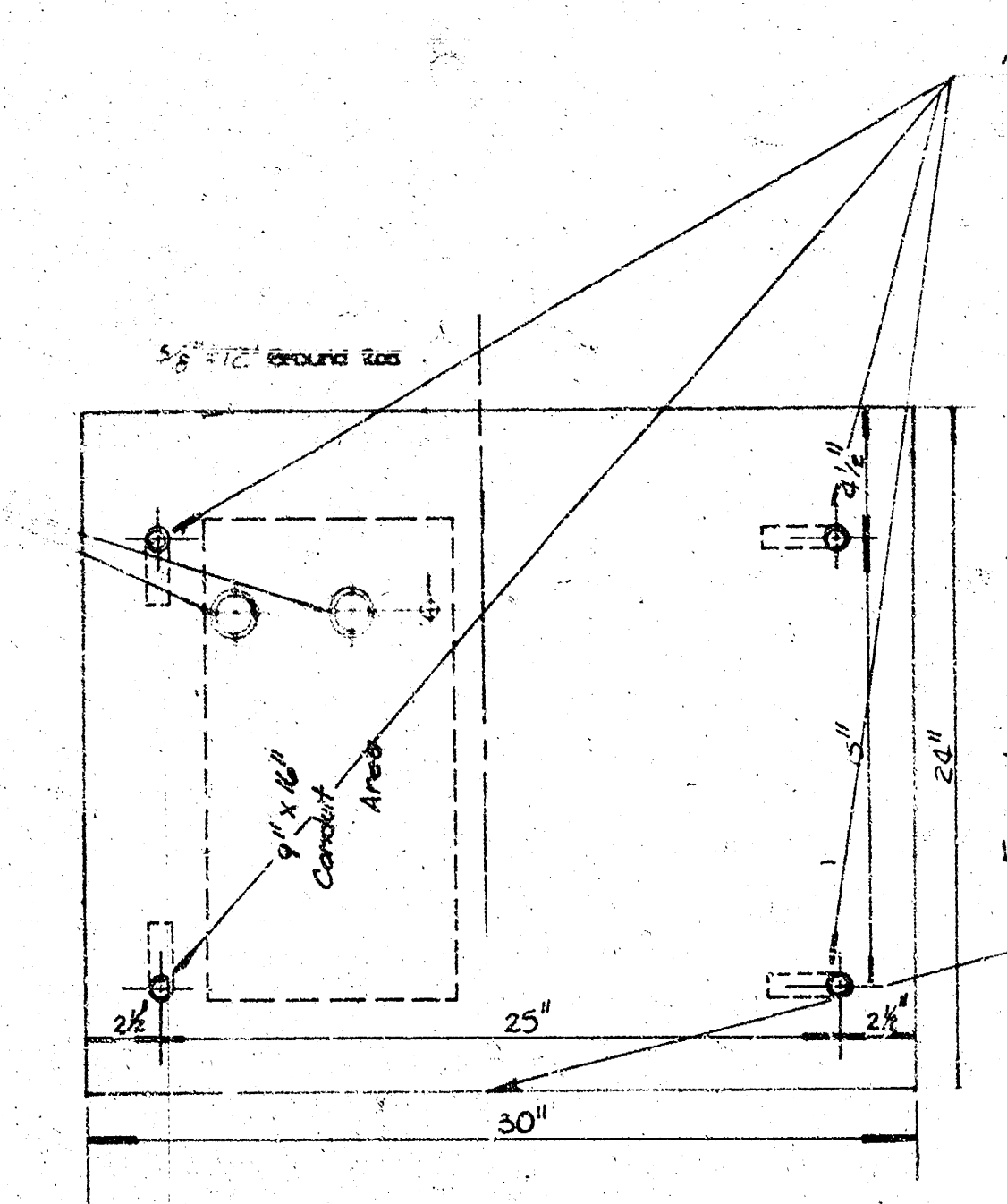


JUNCTION BOX COVER



Slope conduit to drain as directed by the Engineer.

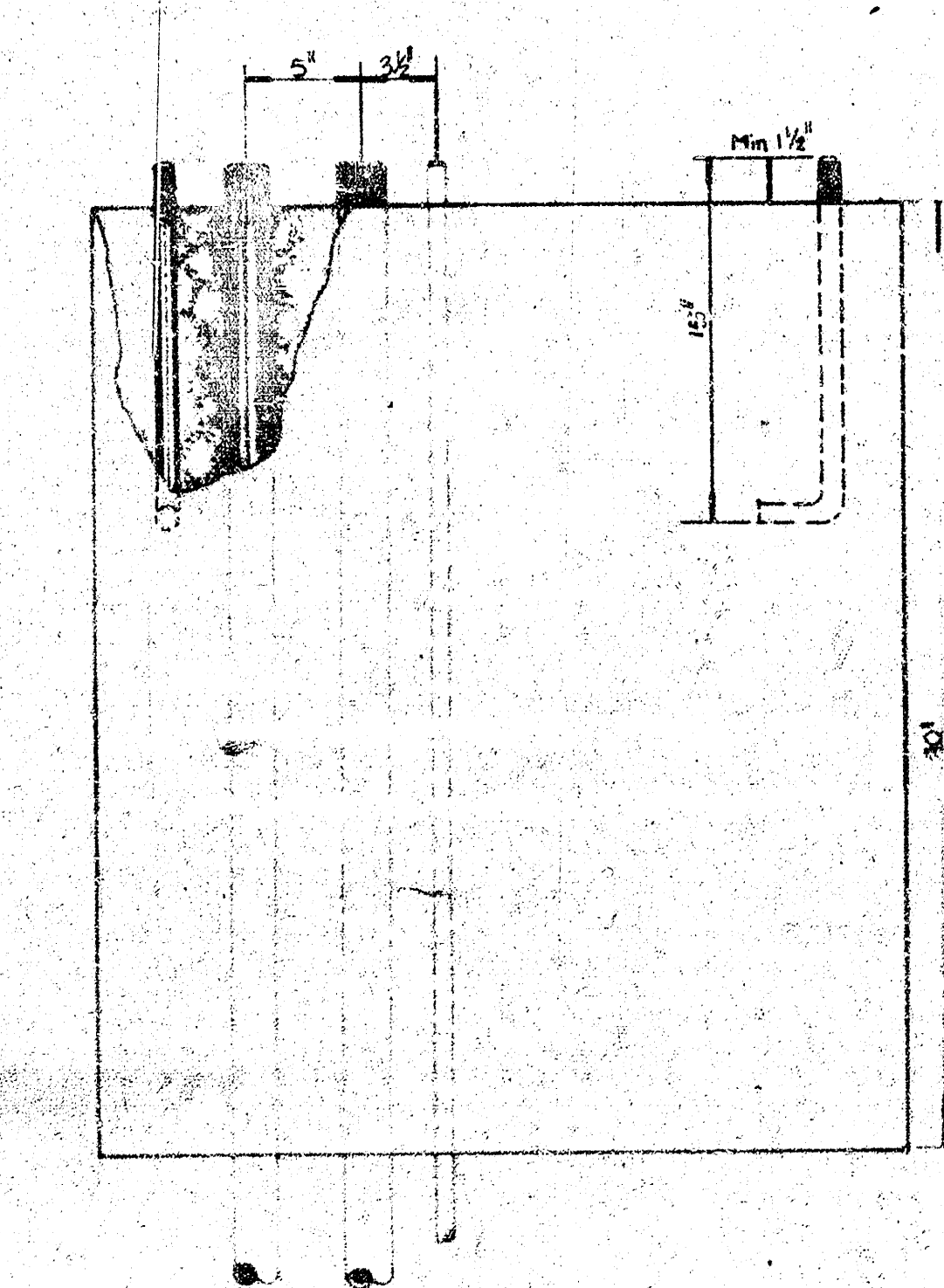
Conduit (As Required)



Anchor Bolts
3/4" x 15" x 2" L

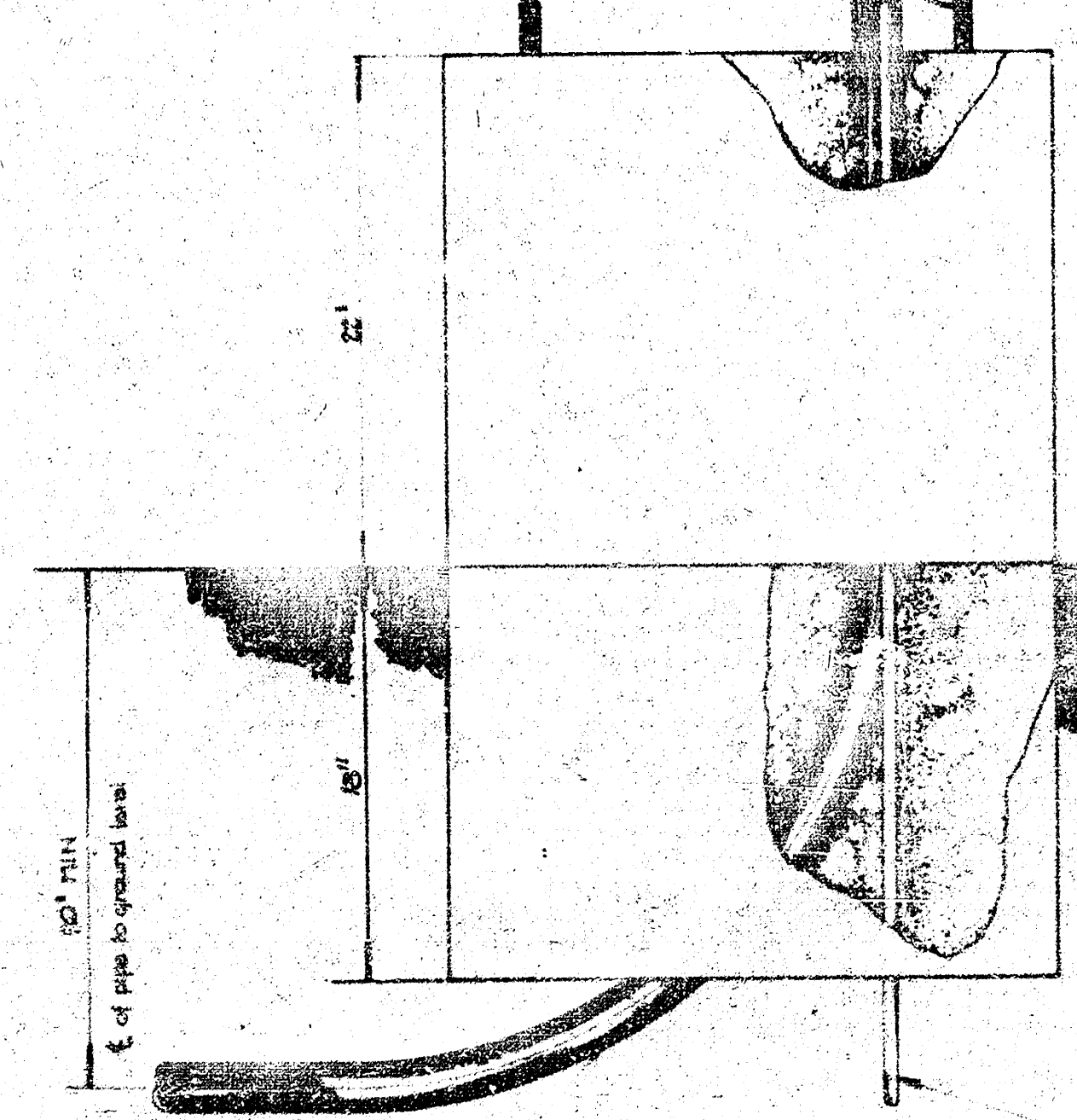
Station & Offset as shown on Plans

CONTROLLER PAD DETAILS FOR TYPE 170 CONTROLLER



Anchor Bolts
3/4" x 15" x 2" L

Bushing & wires to be sealed to prevent condensation in cabinet.



Min 6" for 2" Conduit = 24"

5/8" x 12" Ground Rod

SERVICE BOX + JUNCTION BOX DETAILS			
SCALE: NONE	APPROVED BY:	DATE:	
DRAWN BY: GEM	REVIEWED:		
DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEERING DIVISION			
CITY TRAFFIC ENGINEER	DRAWING NUMBER		

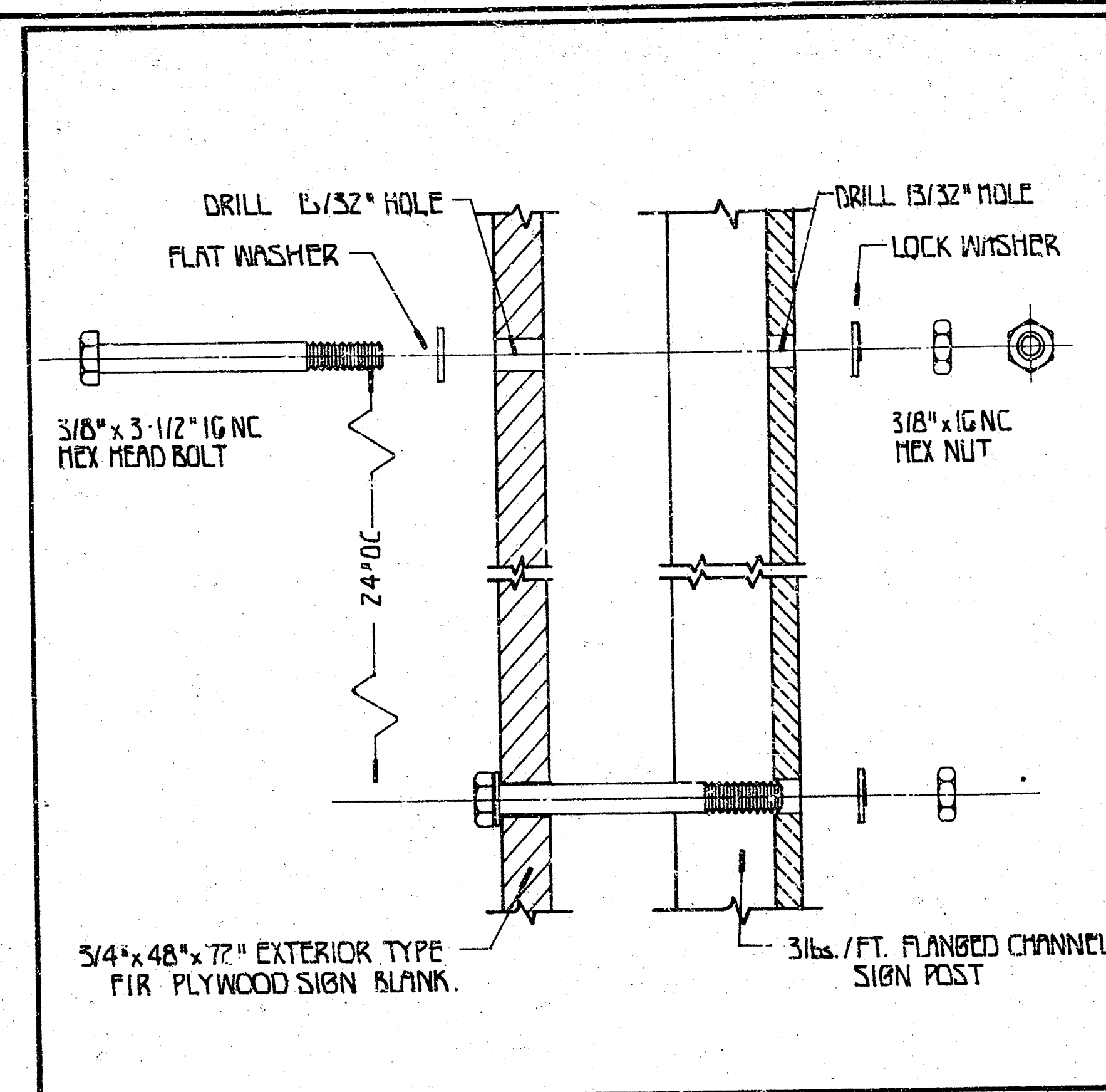


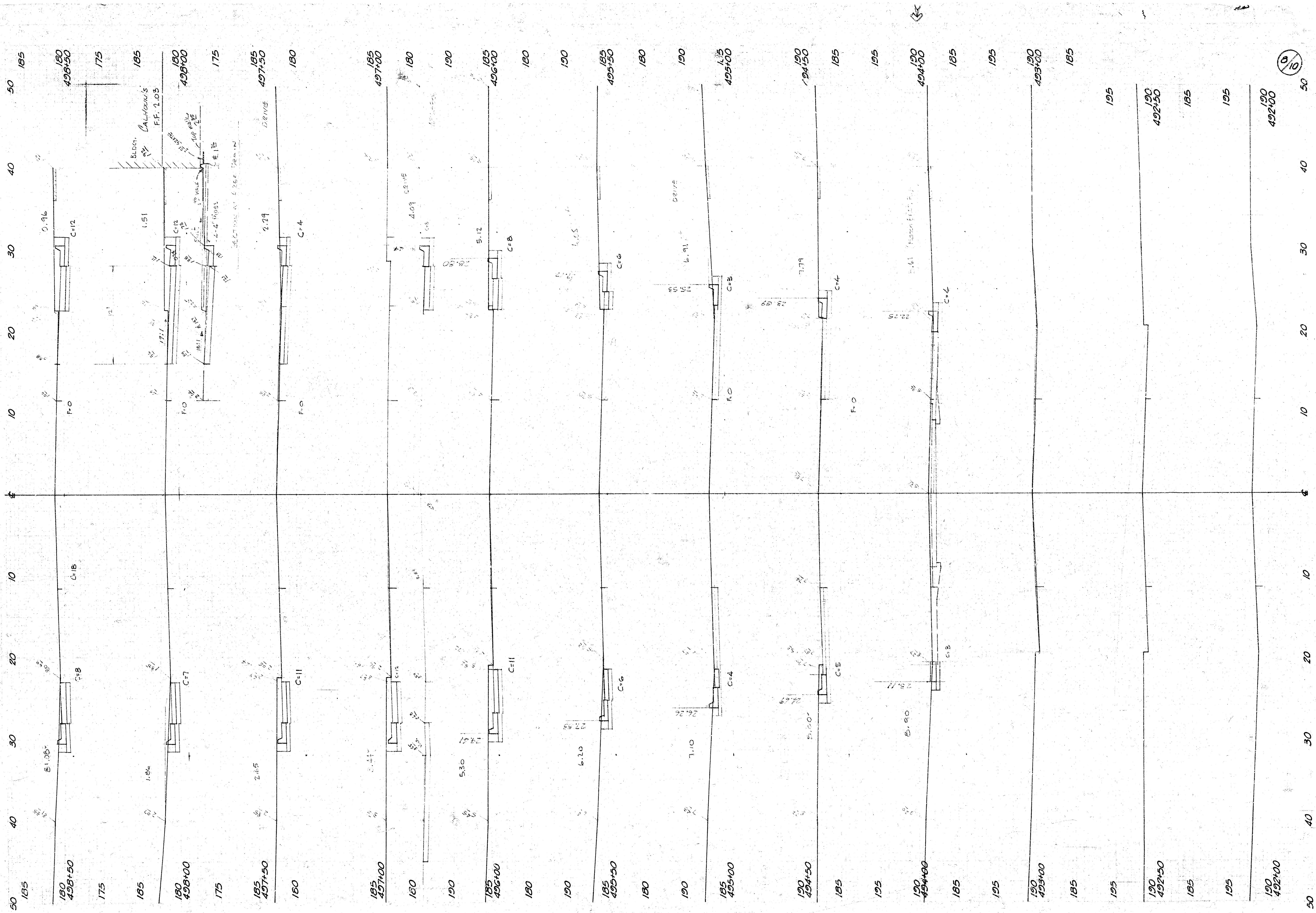
Diagram illustrating the elevation view of a roof edge detail. The detail shows a horizontal line representing the roof surface, with a vertical line indicating the edge. A "PASTER ASS'Y." (Pasture Assembly) is shown at the edge. The distance between the centerlines of the posts is marked as "36" O.C." (On Center). The distance from the centerline of the post to the edge is marked as "18".

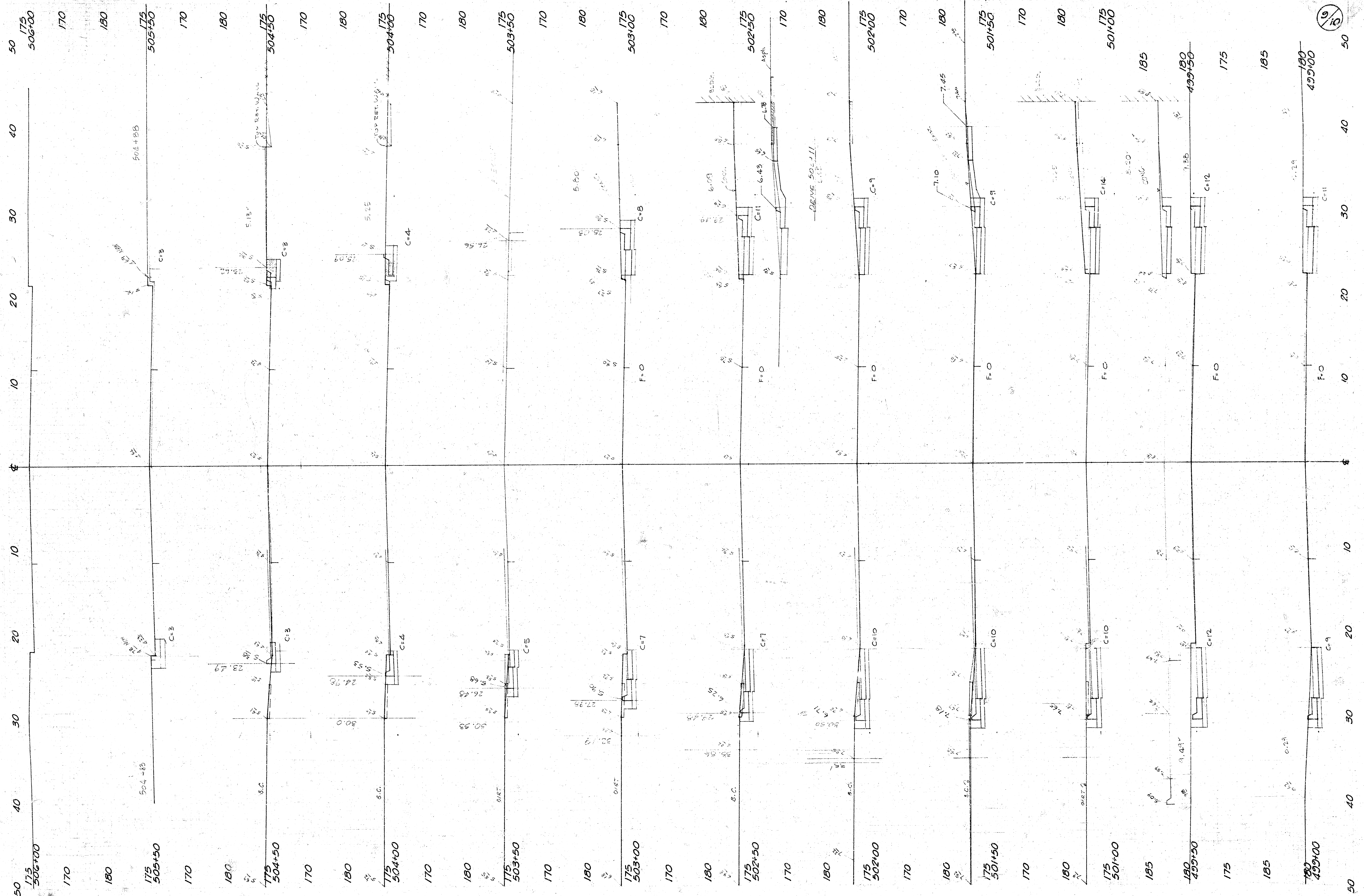
SHOWN: FLANGED CHANNEL POST
 OPTION: 4"x4" WOOD POSTS
 SEE NOTE 1

[illegible]

RT. / LI. OF CENTERLINE	STATION	LOCATION
Lt.	492+50	Central
Rt.	505+50	Central

PROJECT CONSTRUCTION SIGN LAY-OUT DETAILS		
DEPARTMENT OF ENGINEERING CITY OF WICHITA		
TRAFFIC ENGINEERING SECTION	DATE: 83 MPR	NO SCALE
TRAFFIC ENGINEER	DRAWN BY: SEAL	





50 40 30 20 10 0 10 20 30 40 50

