

PAVING - UNIVERSITY GARDENS 2ND ADDITION

CITY OF WICHITA, KANSAS

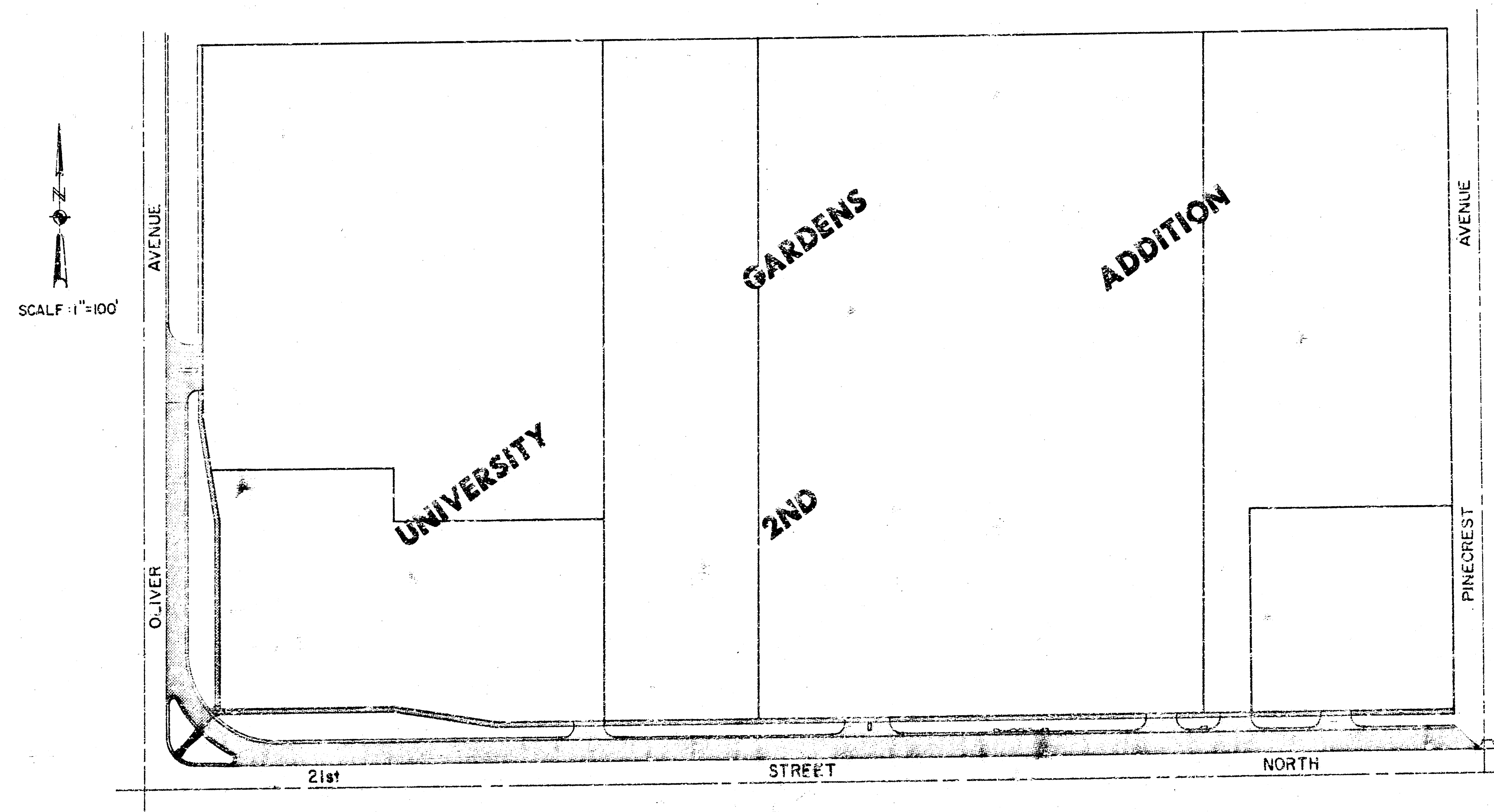
R.W. LINN CITY ENGINEER

APRIL, 1977

PROJECT NO. DAKS 577013 - EAST SIDE OLIVER AVE. - & 21ST ST. NORTH
TO 525' NORTH & 21ST ST. NORTH.
PROJECT NO. DAKS 577015 - NORTH SIDE 21ST ST. NORTH - & OLIVER AVE.
TO E.L. UNIVERSITY GARDENS 2ND ADDITION

INDEX TO DRAWINGS

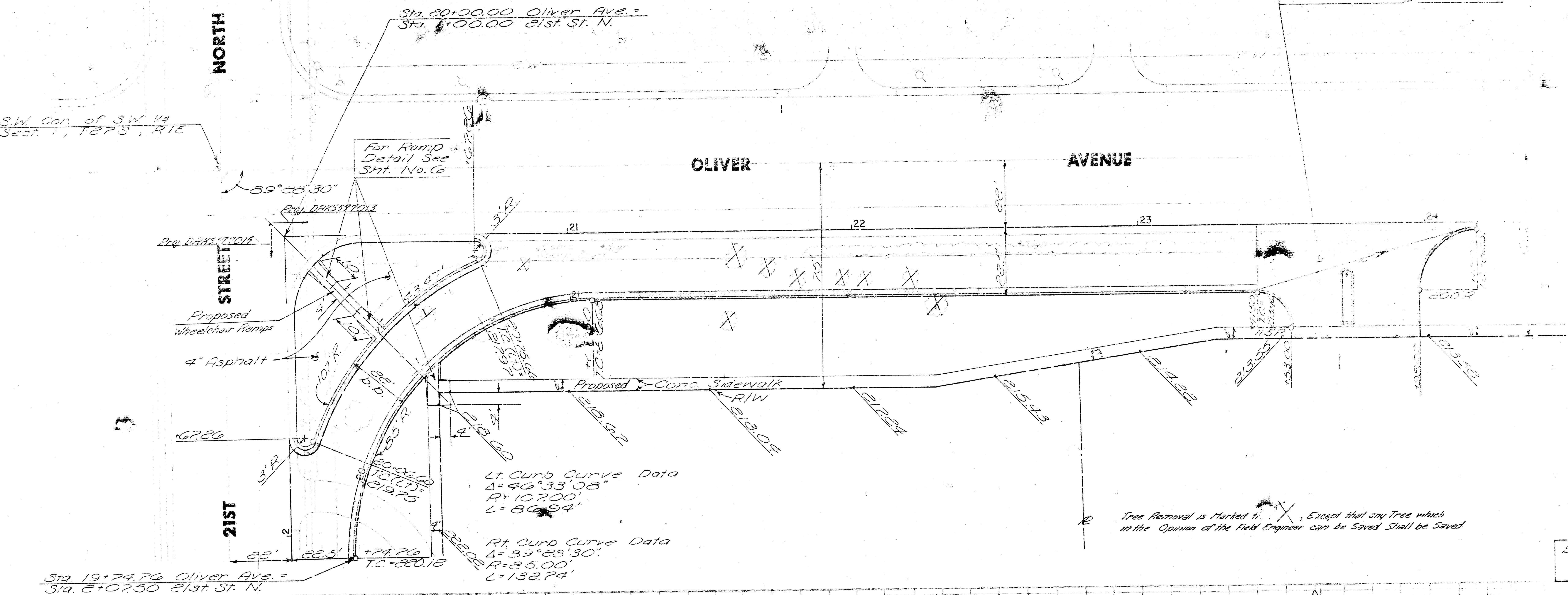
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	OLIVER AVE. - PLAN PROFILE
3-5	21ST ST. NORTH - PLAN PROFILE
6	PAVING DETAILS
7	TYPE 1 INLET DETAILS
8	STORM SEWER DETAILS



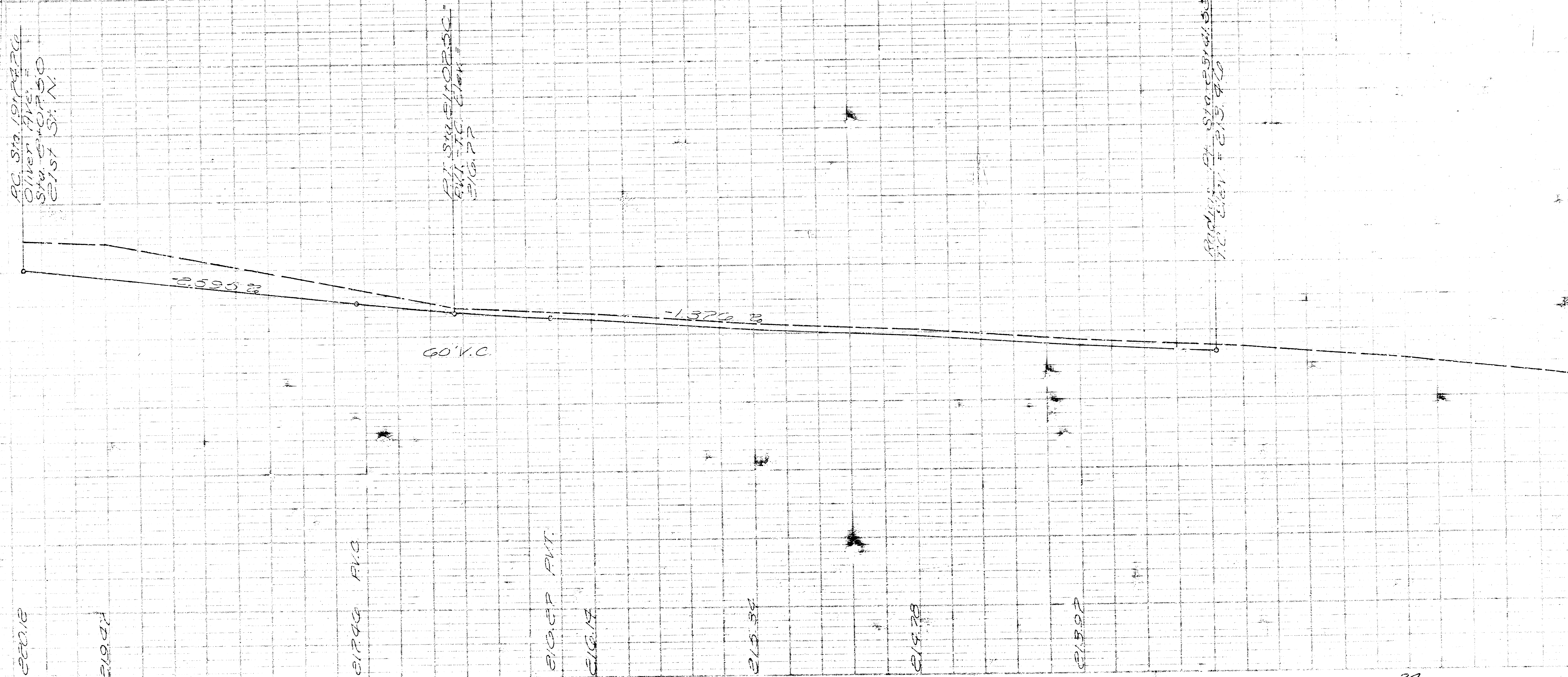
LOCATION MAP



SCALE 1"=20'



BM - 21st St. 33 ft West of Oliver Ave. 42 ft North of 21st St. Elevation 212.80



AVENUE

OLIVER

21ST

STREET

NORTH

For Details on Right Turn Lane See Sht. No. 2

6" Concrete Drive with 6x6 46 Wire Mesh See Sht. 6 For Details.

Proj. DR15577015

Project DR15577015

Sta. 2+02.50 21st St. N.
Sta. 19+24 PG Oliver Ave.

Sta. 1+00.00 21st St. N.
Sta. 19+03.00 Oliver Ave.

S.W. Cor. of S.W. 1/4
Sect. 1, T87S, R1E

B.M. City Disc., 33 Ft. West &
Oliver Ave. & 42 Ft. North &
21st St. N. Elev. = 217.82

Trees to be Removed are Marked thus X, Except
that any Tree which in the Opinion of the Field Engineer
can be Saved Shall be Saved.

B.M. - Unmarked 1" Top E. Base
on 50 Ft. Rt. Side
21st St. N. - Elev. = 217.82

SCALE 1" = 20'



T.C. Elev.

220.13

221.63

222.60

223.22

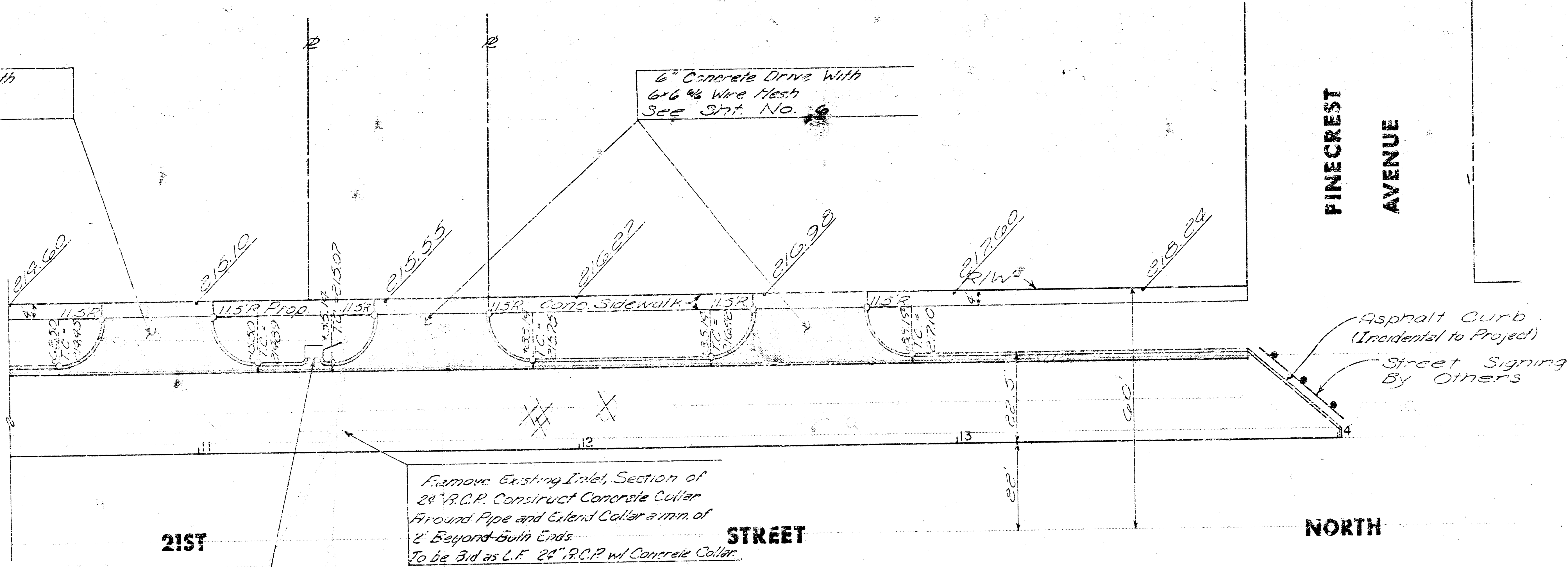
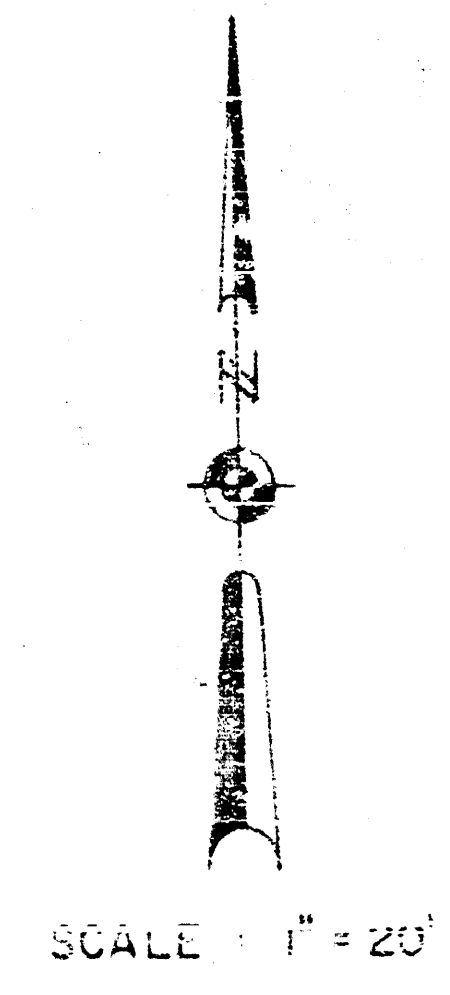
223.28

223.22

220.02

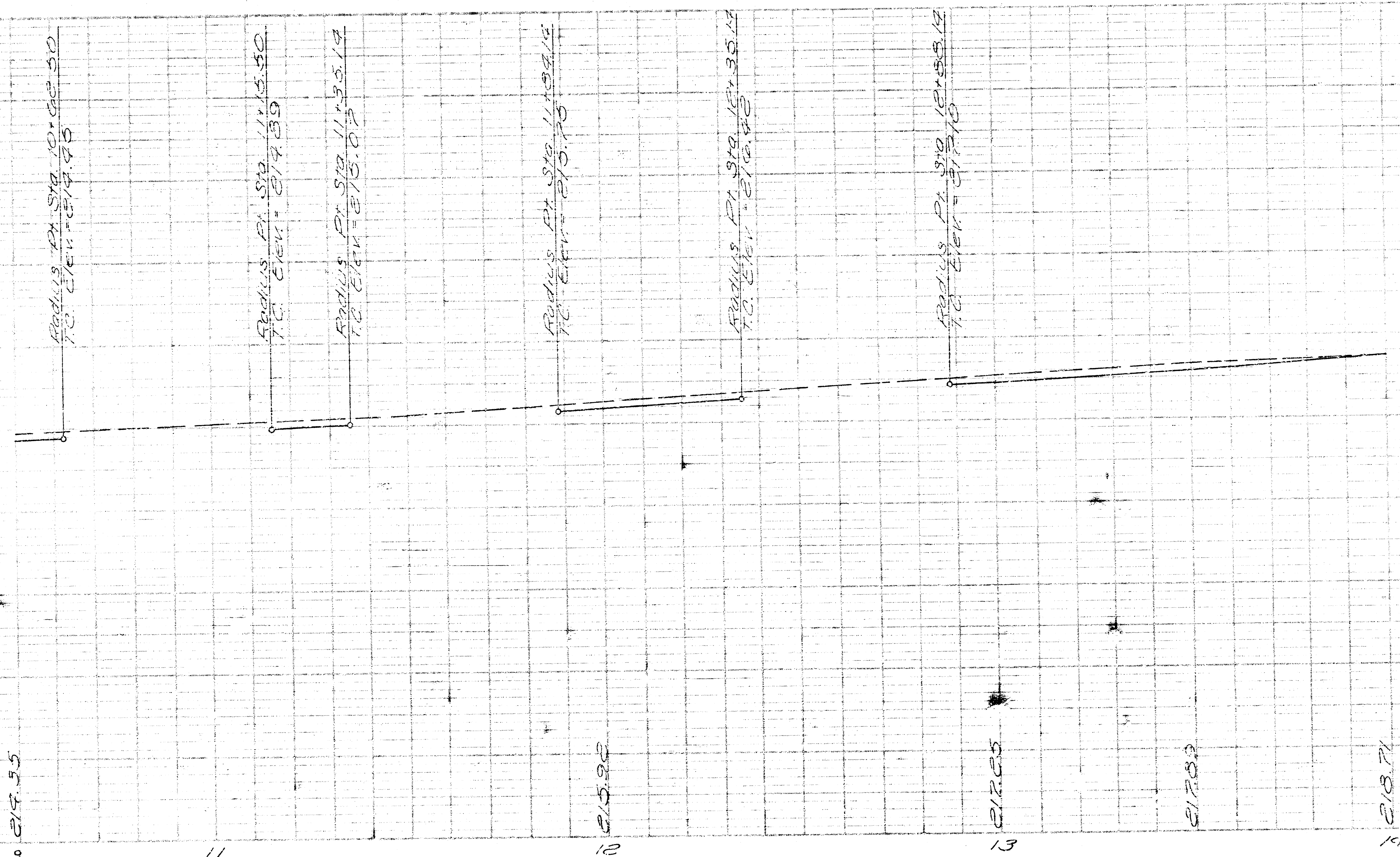
6" Concrete Drive With
6x6 #4 Wire Mesh
See Sht. No. 6

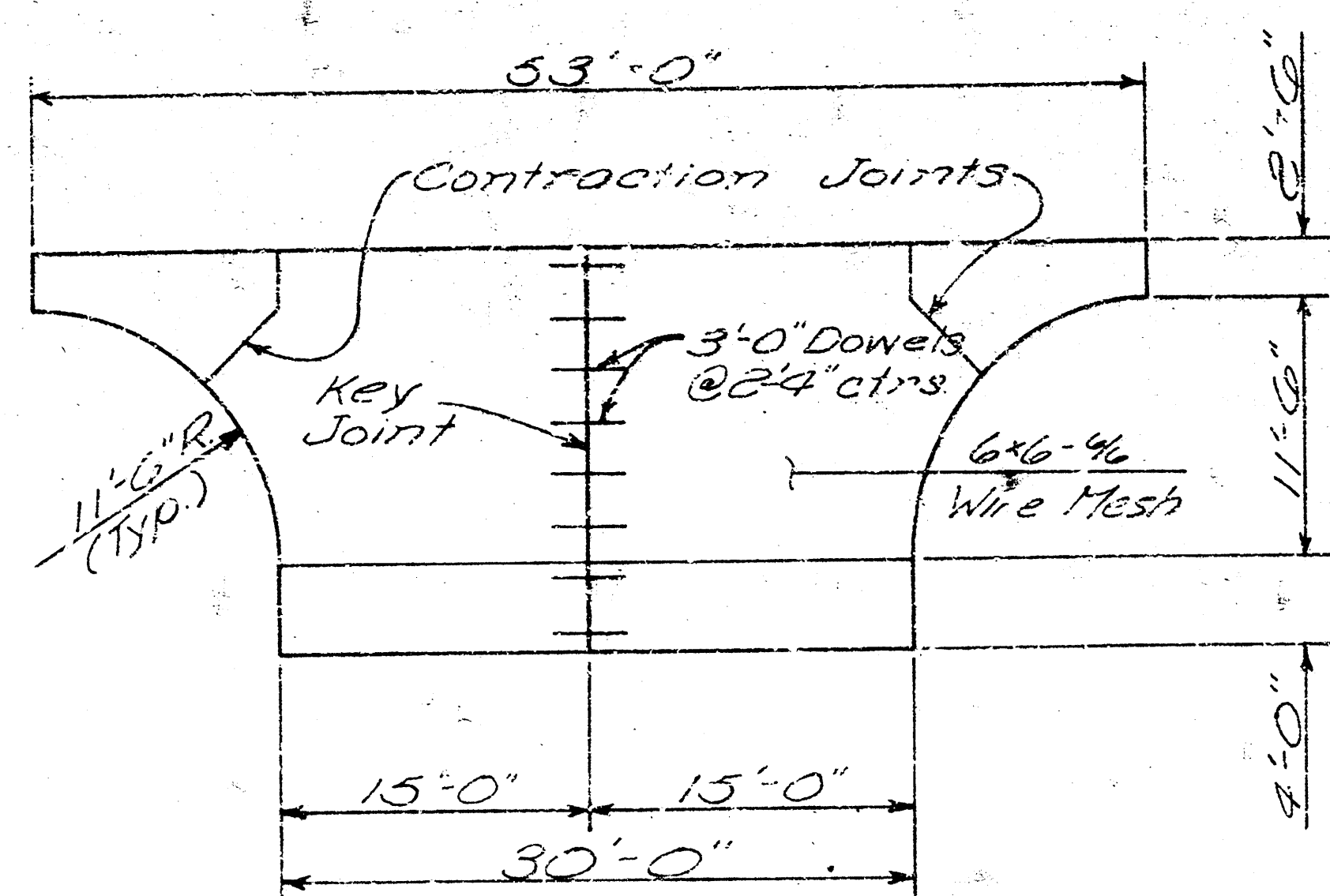
6" Concrete Drive With
6x6 #4 Wire Mesh
See Sht. No. 6



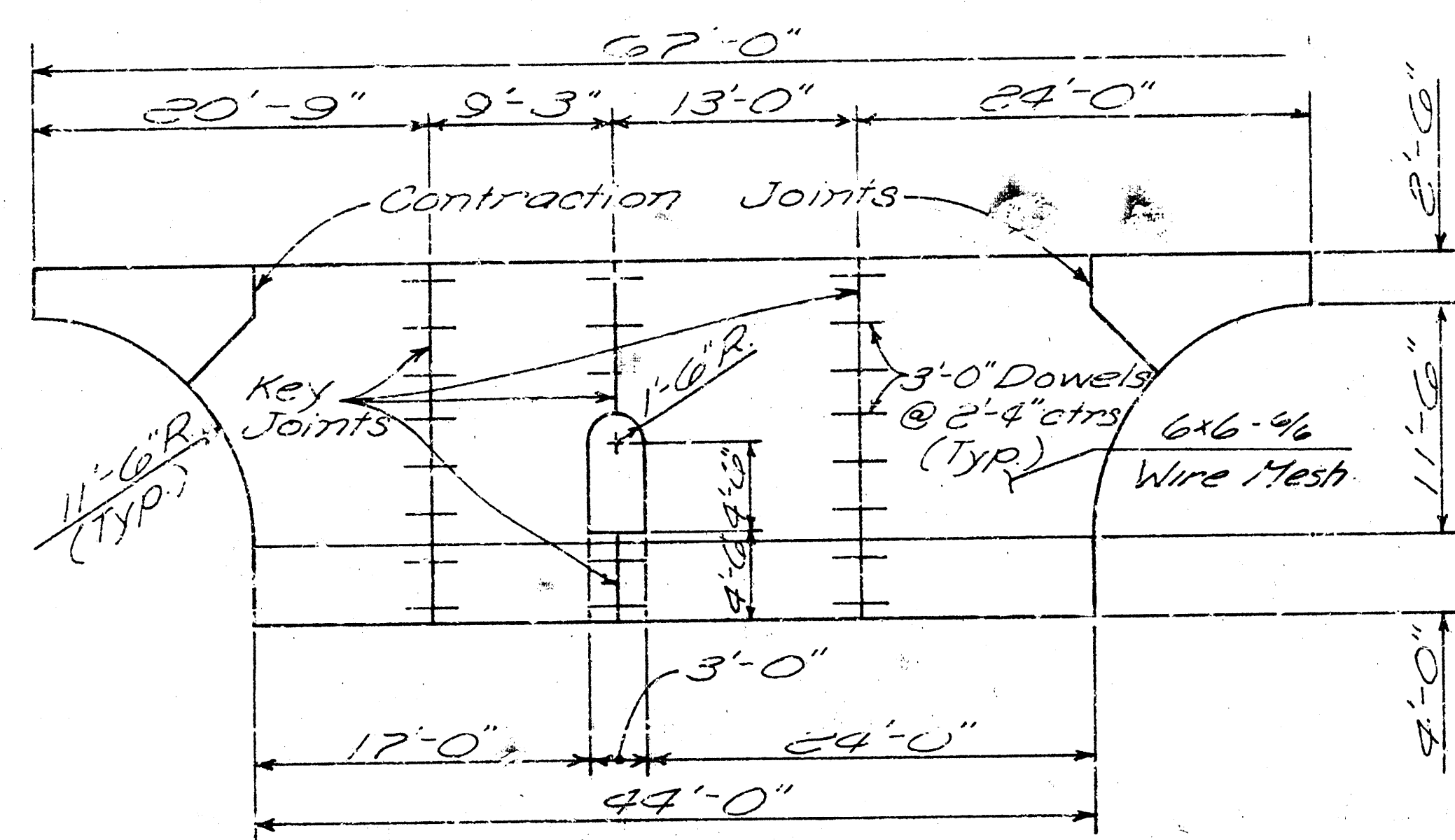
1510. 11+30.90 Const Std.
Type 1A Curb Inlet
W = 3'-10" Install 8 L.F.
15" R.C.P. For Details
See Sht. No. 7

B.M. Griseled 4" Top E. Base 3"
on F.H. 50ft. R. Sta 7+25
West St. N. - Elev = 217.60

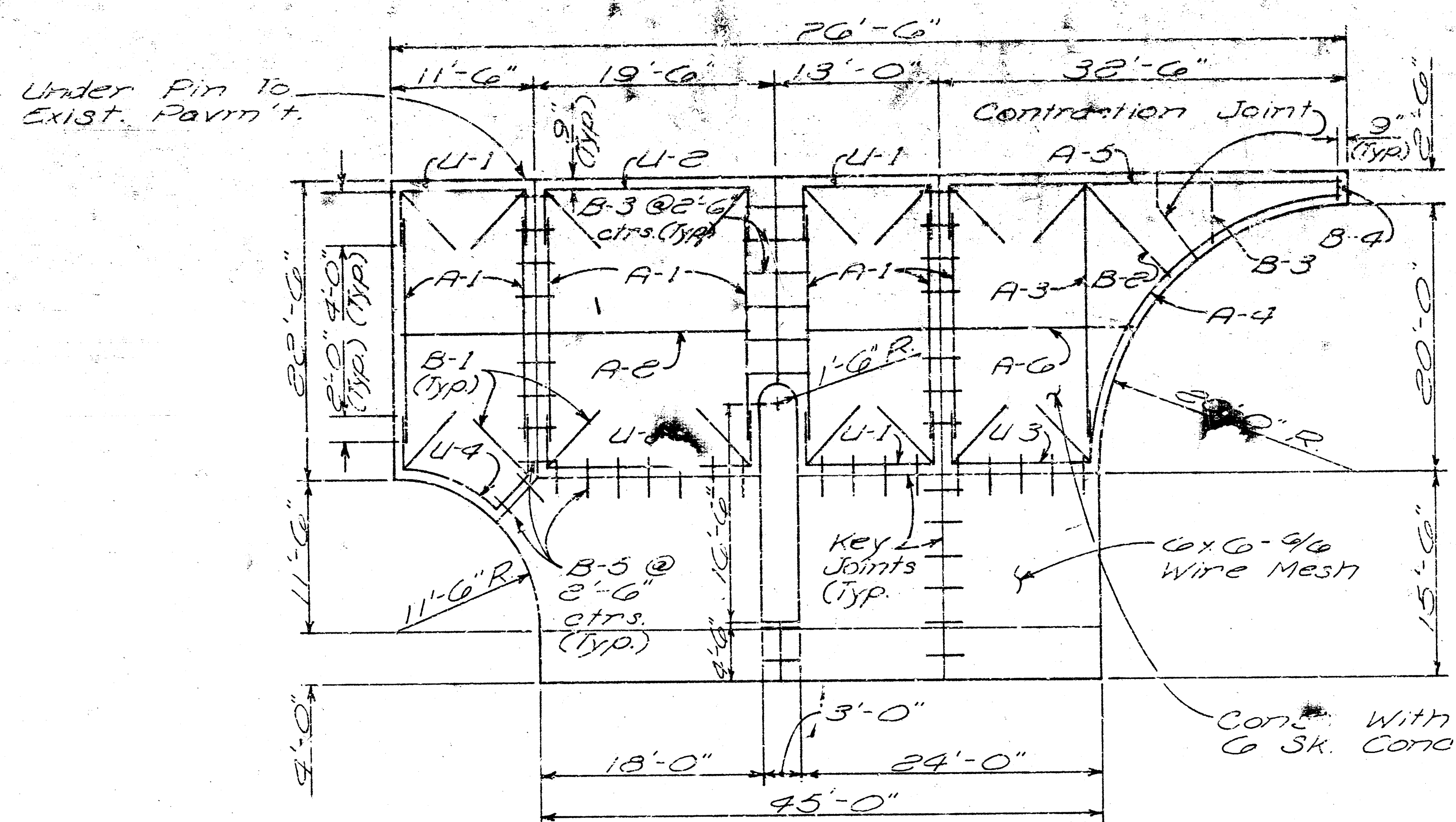




30' DRIVE APPROACH
6" Concrete

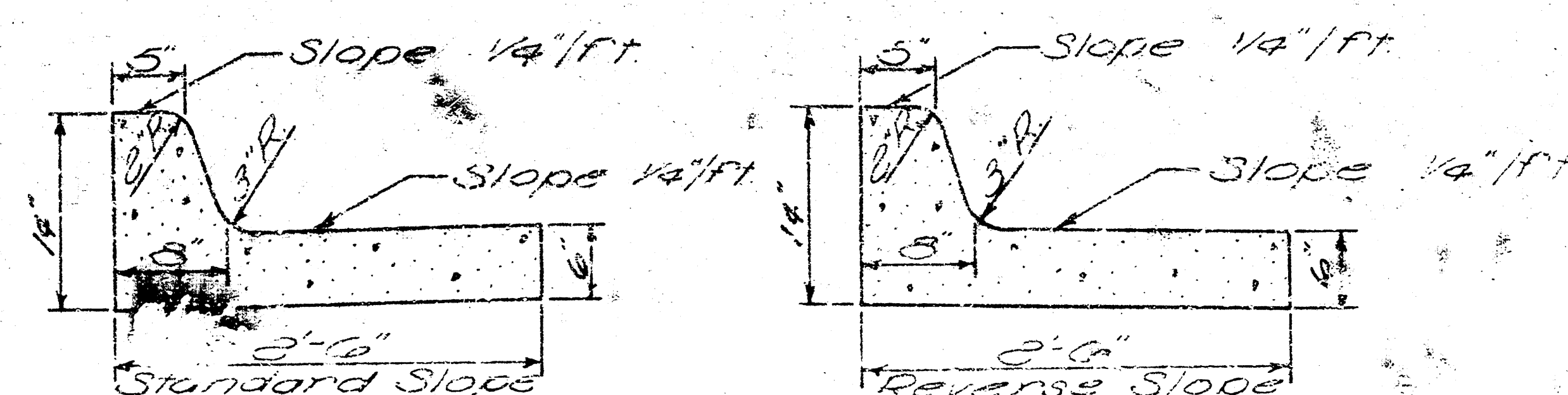


44' DRIVE APPROACH
21st STREET NORTH
6" Concrete

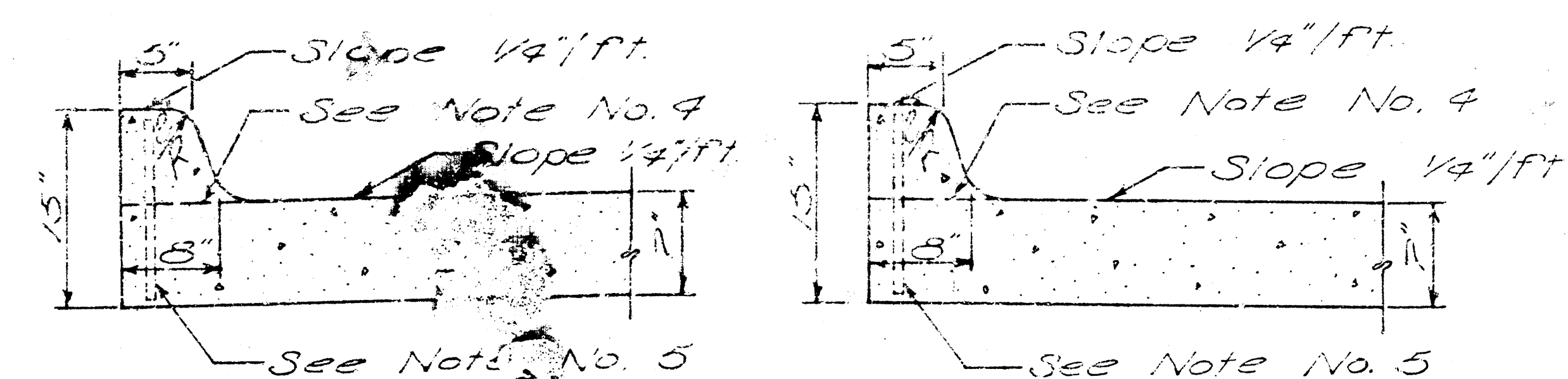


45' DRIVE APPROACH
OLIVER AVENUE

Mark	No.	Size	Length	Shape
A-1	7	6	17'-0"	—
A-2	1	6	25'-0"	—
A-3	1	6	19'-0"	—
A-4	1	6	30'-0"	—
A-5	1	6	35'-0"	—
A-6	1	6	26'-0"	—
B-1	16	6	6'-0"	—
B-2	1	6	10'-0"	—
B-3	7	6	5'-0"	—
B-4	1	6	2'-0"	—
B-5	4	4	3'-0"	—
U-1	3	6	18'-0"	—
U-2	2	6	24'-0"	—
U-3	1	6	19'-0"	—
U-4	1	6	19'-0"	—



COMBINED CURB &
GUTTER

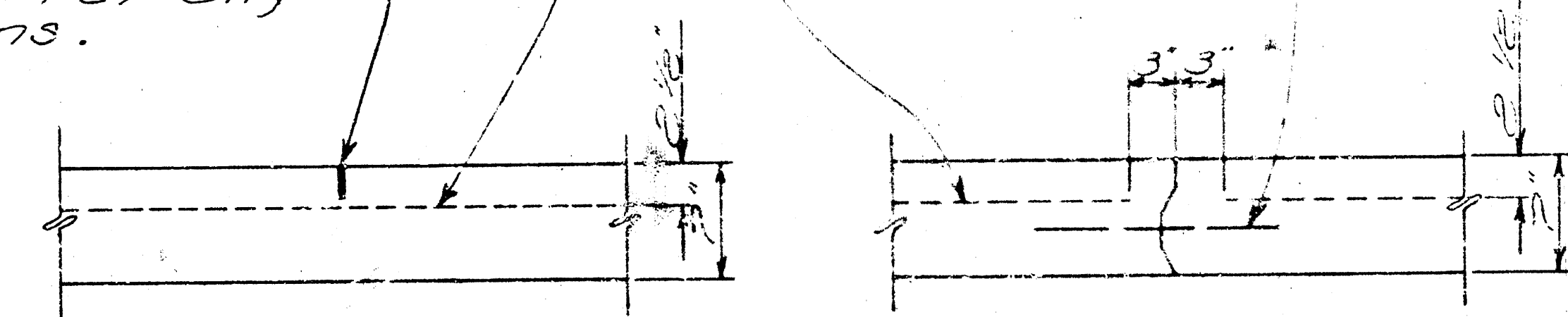


INTEGRAL CURB

6x6-4/8 Wire Mesh
to be Used in
Drive Approach

Saw Joint 3/8" Wide
By 2" Deep. Filled
With Joint Sealing
Compound. Per City
Specifications.

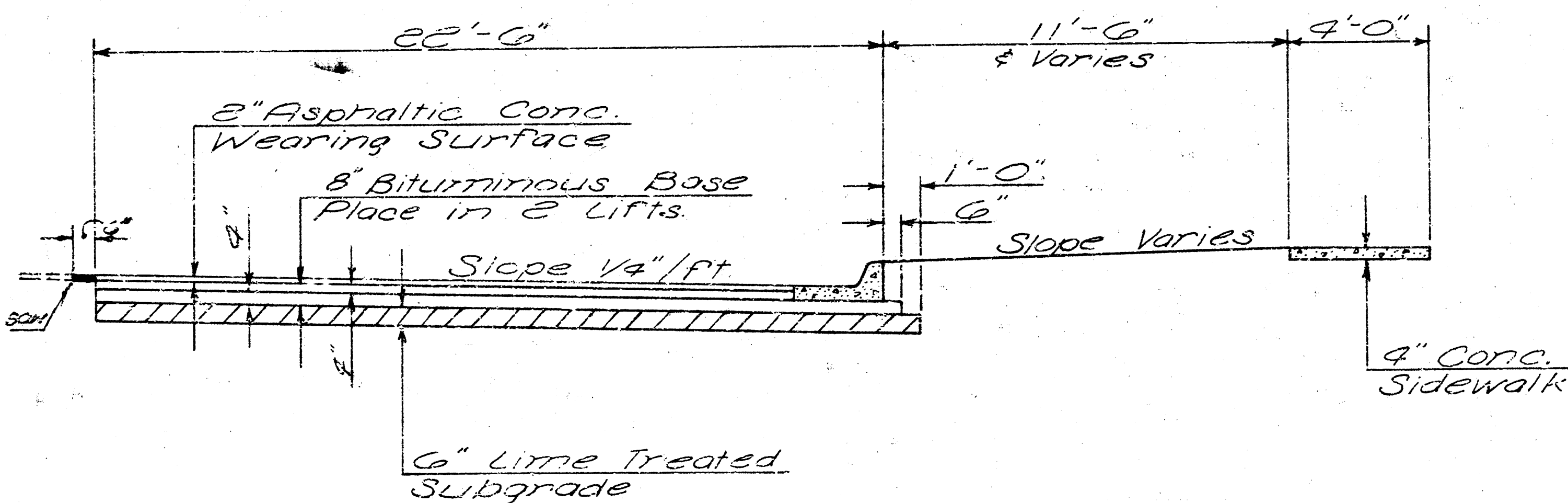
#4 Bar 3'-0"
Long @ 2'-0"
Ctrs.



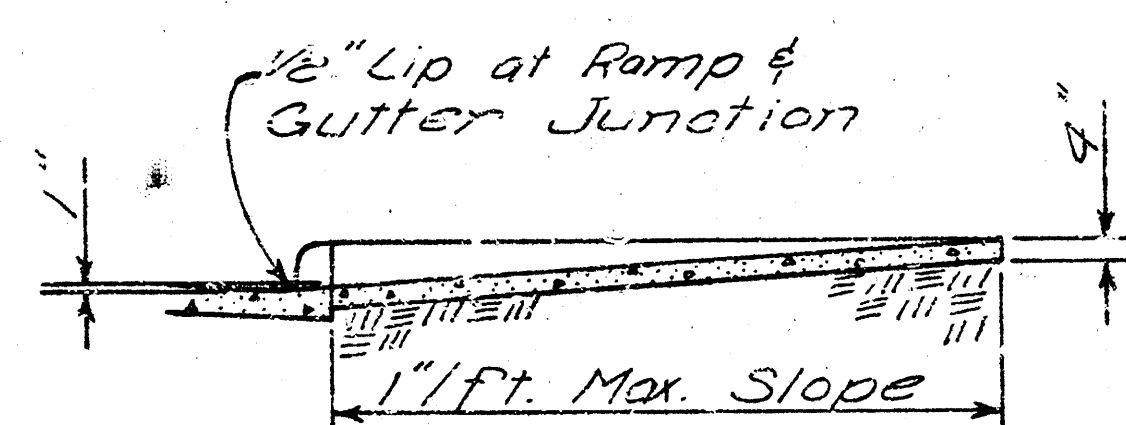
CONTRACTION

KEY

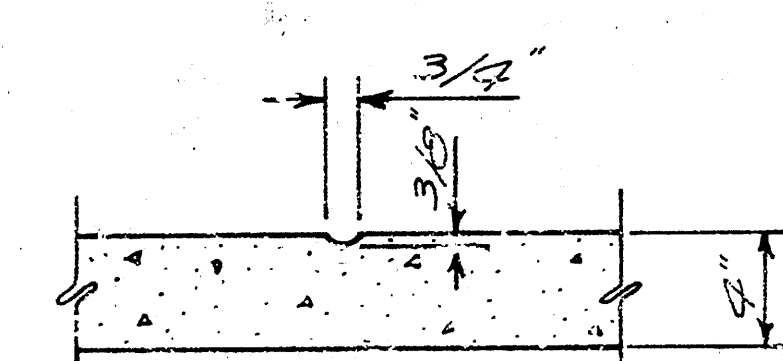
JOINT DETAILS



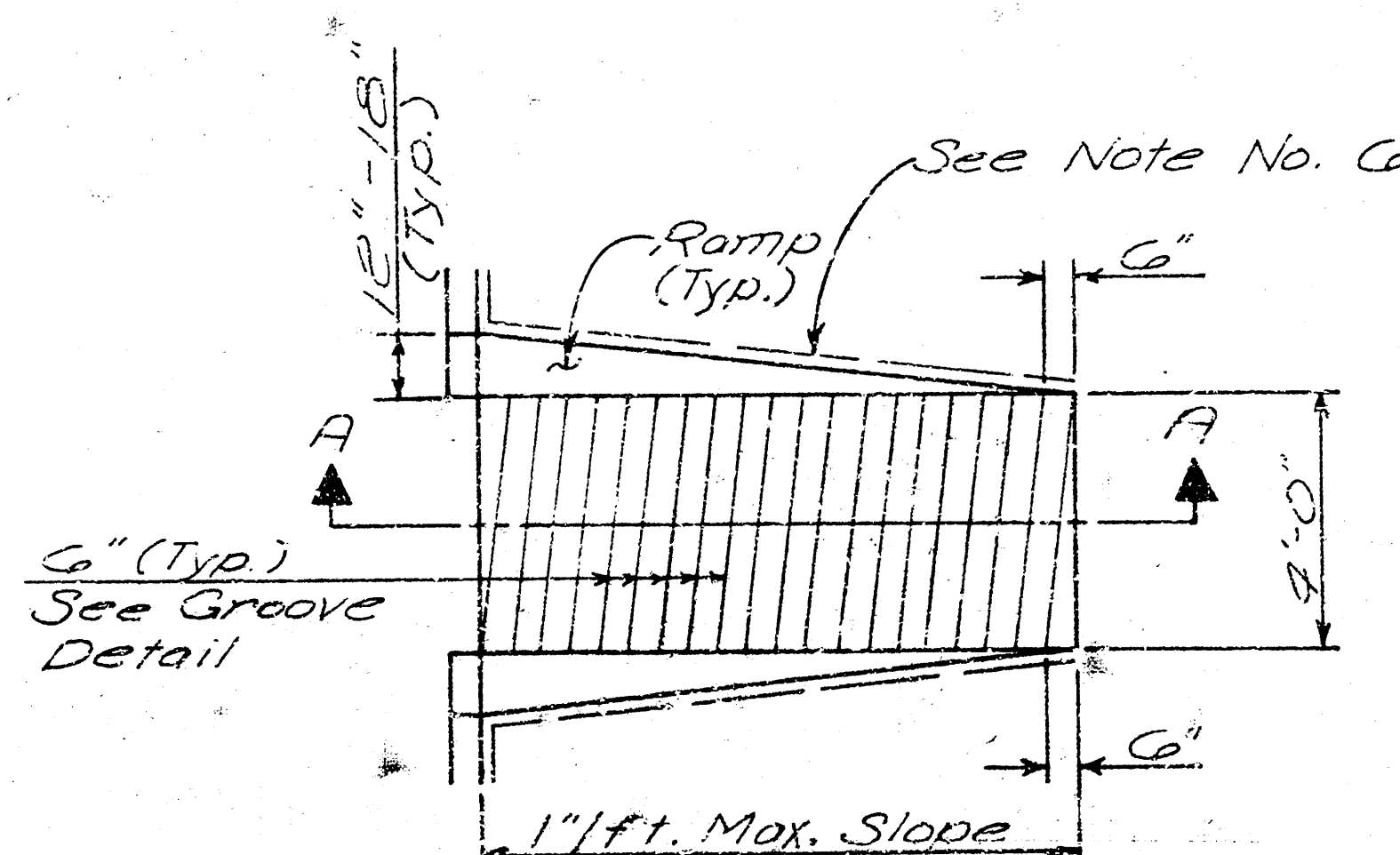
TYPICAL SECTION



SECT. A-A



GROVE
DETAIL



PLAN

RAMP DETAILS
Not to be Constructed on
this Project

GENERAL NOTES

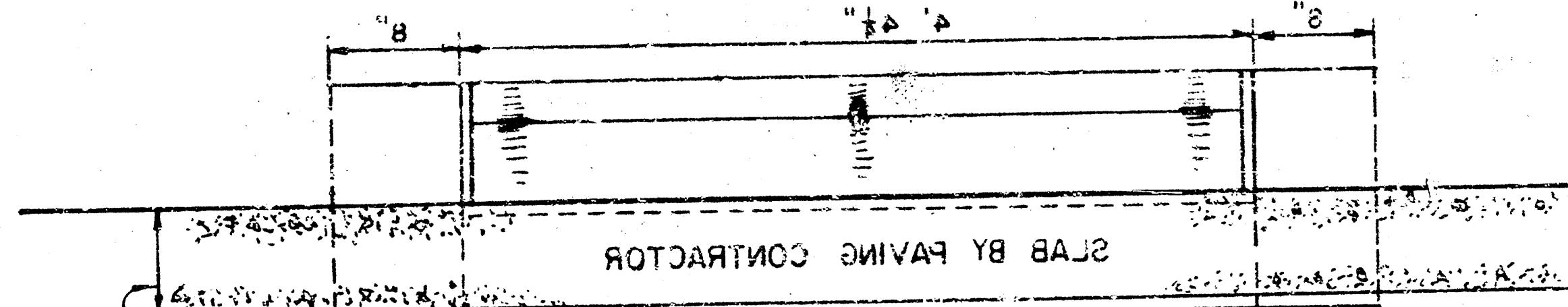
- A tack of Emulsified Asphalt (SS-1H) shall be applied at an approximate rate 0.05 gallons per sq. ft. between lifts of asphaltic materials when ordered by the engineer. Tack coat will not be paid for directly and shall be considered as subsidiary to price bid for Asphaltic Pavement.
- Bituminous Base and Asphaltic Concrete Wearing Surface shall be placed with a laydown machine having automatic electronic controls for grade. Construction Joints in each lift shall be staggered a minimum distance of one foot with joints in preceding lifts.
- The A.C. Pavement between existing pavement and curb and gutter shall be paid as sq. yds. 10" A.C. Pavement (8" Bituminous Base). The Bituminous Base under the combined curb and gutter shall be paid as sq. yds. 4" Bituminous Base.
- Sidewalks indicated on the typical sections are for location on that section. ~~Sidewalks shall not be constructed on this project.~~
- Contraction Joints may be constructed in Integral Curb by sawing with an approved concrete saw. The saw cut shall extend through the curb to the pavement. Sawed Contraction Joints shall have a maximum spacing of 10'.
- Integral Curb shall be tied to the pavement base with short deformed Dowel Bars spaced at 2'-0" intervals. These Dowel Bars shall not be less than 1/2" or more than 3/4" in diameter.
- The ramp shall be either bordered on both sides and the curb lined with a four-inch wide yellow stripe, or the surface treatment on ramp shall have integral coloration.

DESIGN KHB	UNIVERSITY GARDENS SECOND ADDITION WICHITA, KANSAS
DR. BY RLP	
CK. BY KHB	
DATE 3-31-77	
JOB NO. 4-74-013	
VAN DOREN - HAZARD - STALLINGS ARCHITECTS-ENGINEERS • WICHITA, KANSAS	PAVING DETAILS
	SHEET 6 OF 8

(SET BACK LOCATION)
STANDARD TYPE IA CURB INLET

REVISION OF THE AMERICAN SOCIETY
FOR TESTING AND MATERIALS

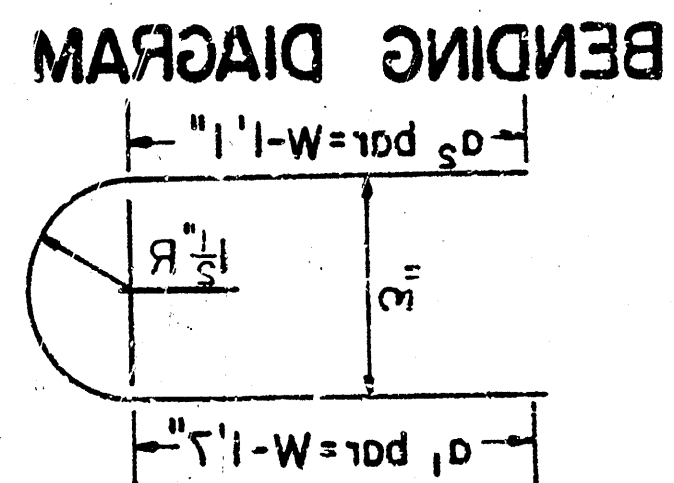
("O'1 = "1 3JAO2)



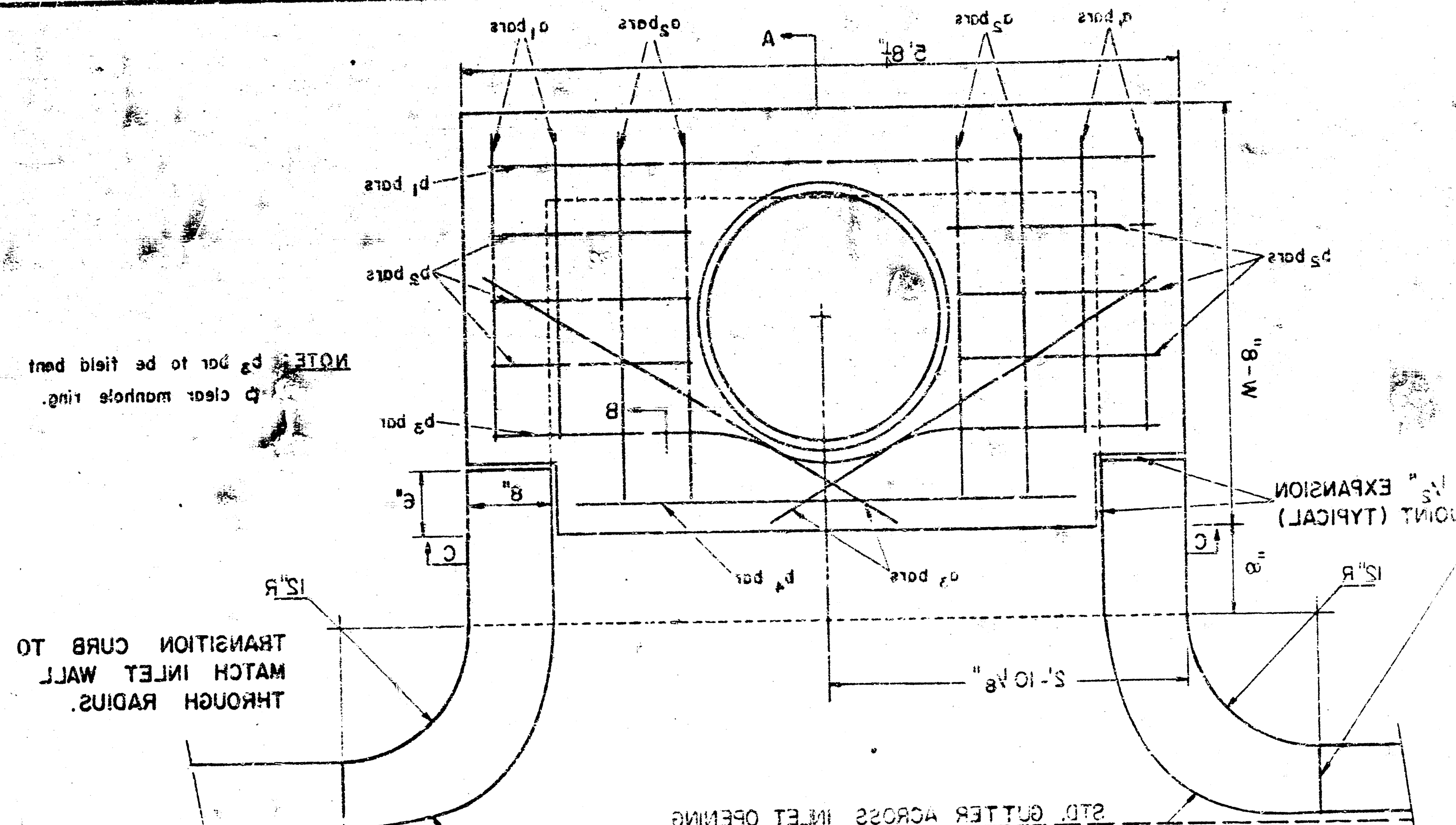
* NOTE: 3 BARS TO BE PLACED APPROX. 5" BELOW TOP OF INLET COVER.

[illegible]

STEEL SCHEDULE



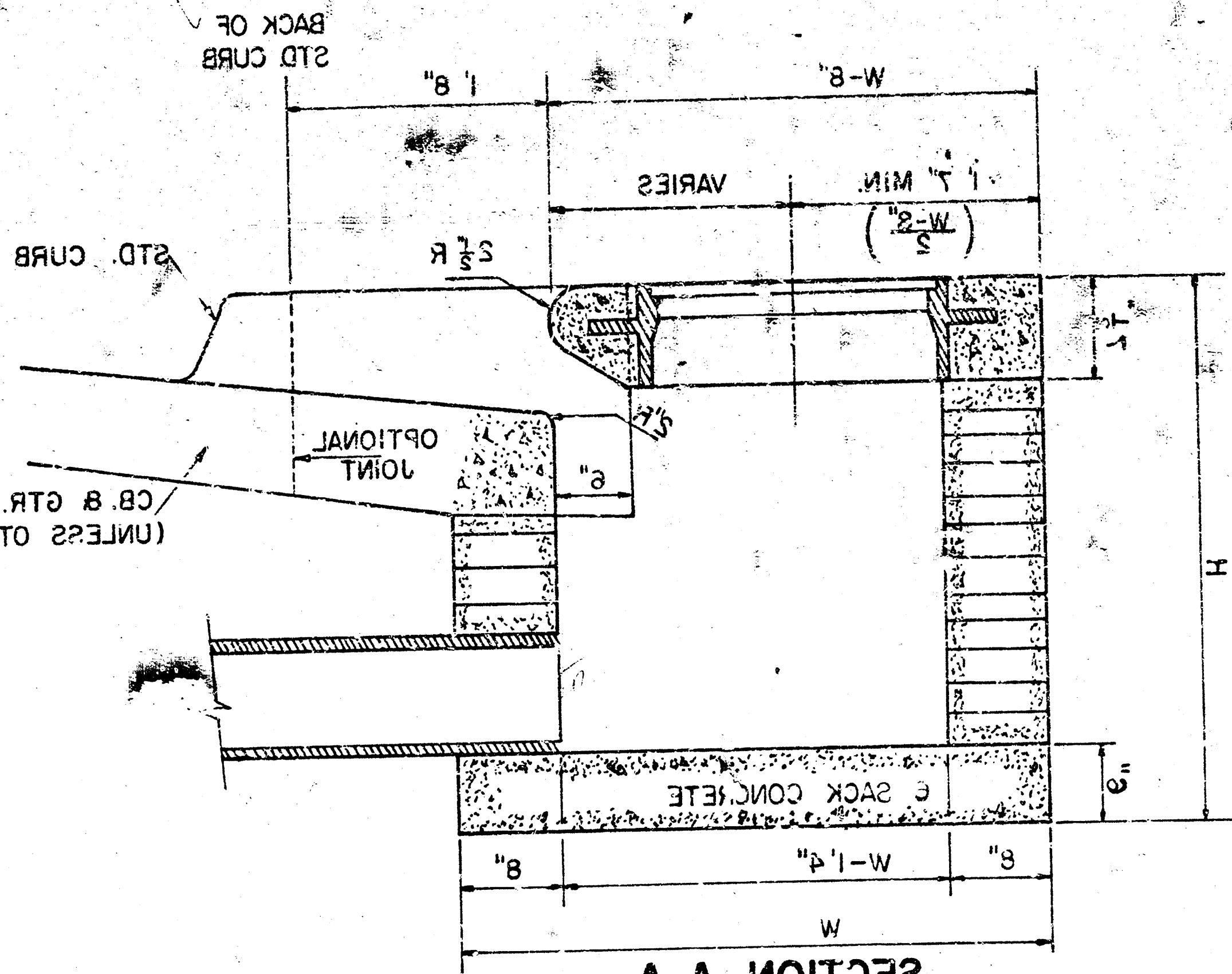
BENDING DIAGRAM



PLAN (SCALE: 1" = 1.0')

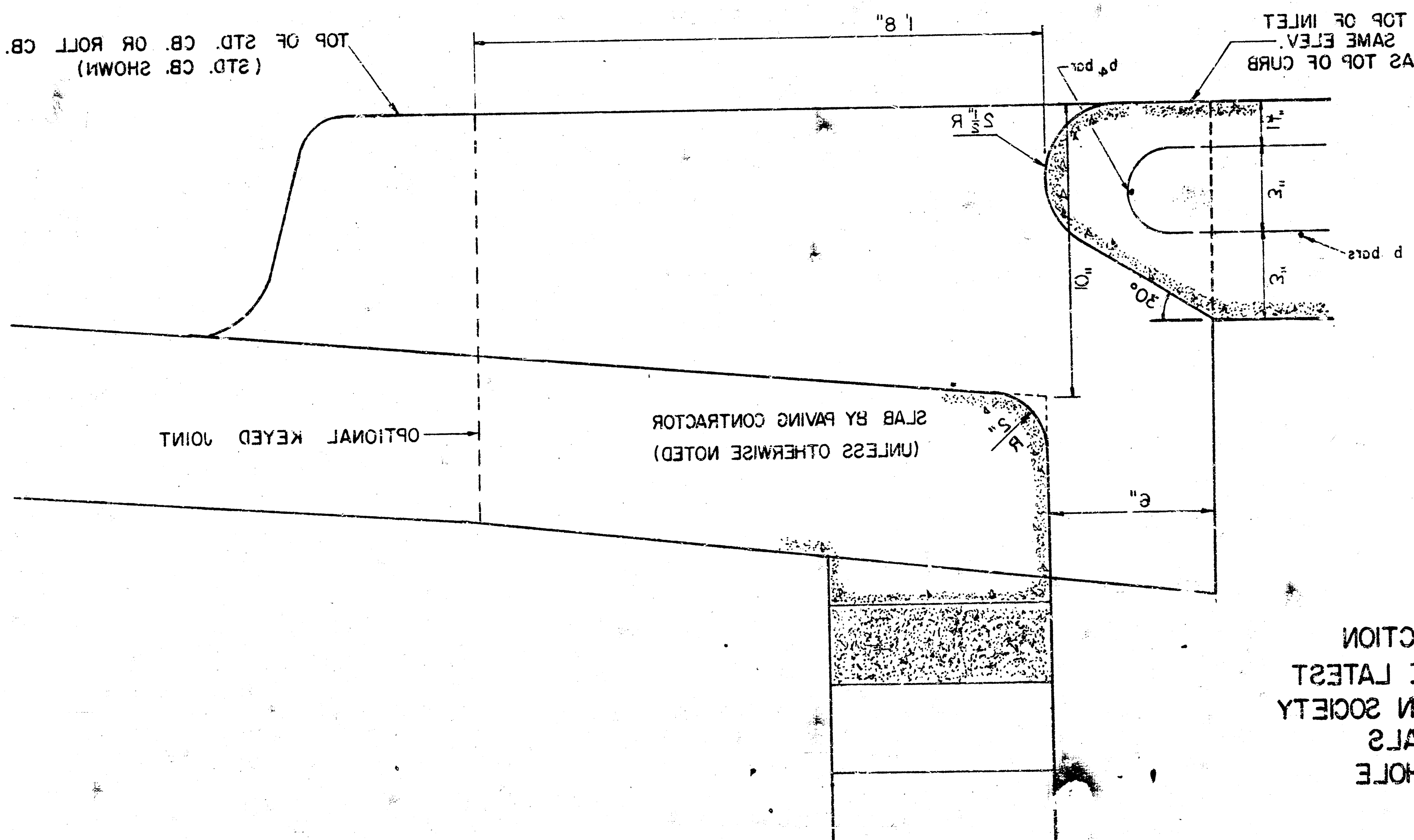
STANDARD CURR INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	UN. AD. CONC.
3' 10"	36" X 36" X 1 1/2"	24" & SMALLER	0.45
4' 0"	42" X 36" X 1 1/2"	36"	0.55
4' 10"	48" X 36" X 1 1/2"	42" & 36"	0.60
6' 10"	60" X 36" X 1 1/2"	48" & 36"	0.85

SECTION A-A
SCALE 1" = 10'

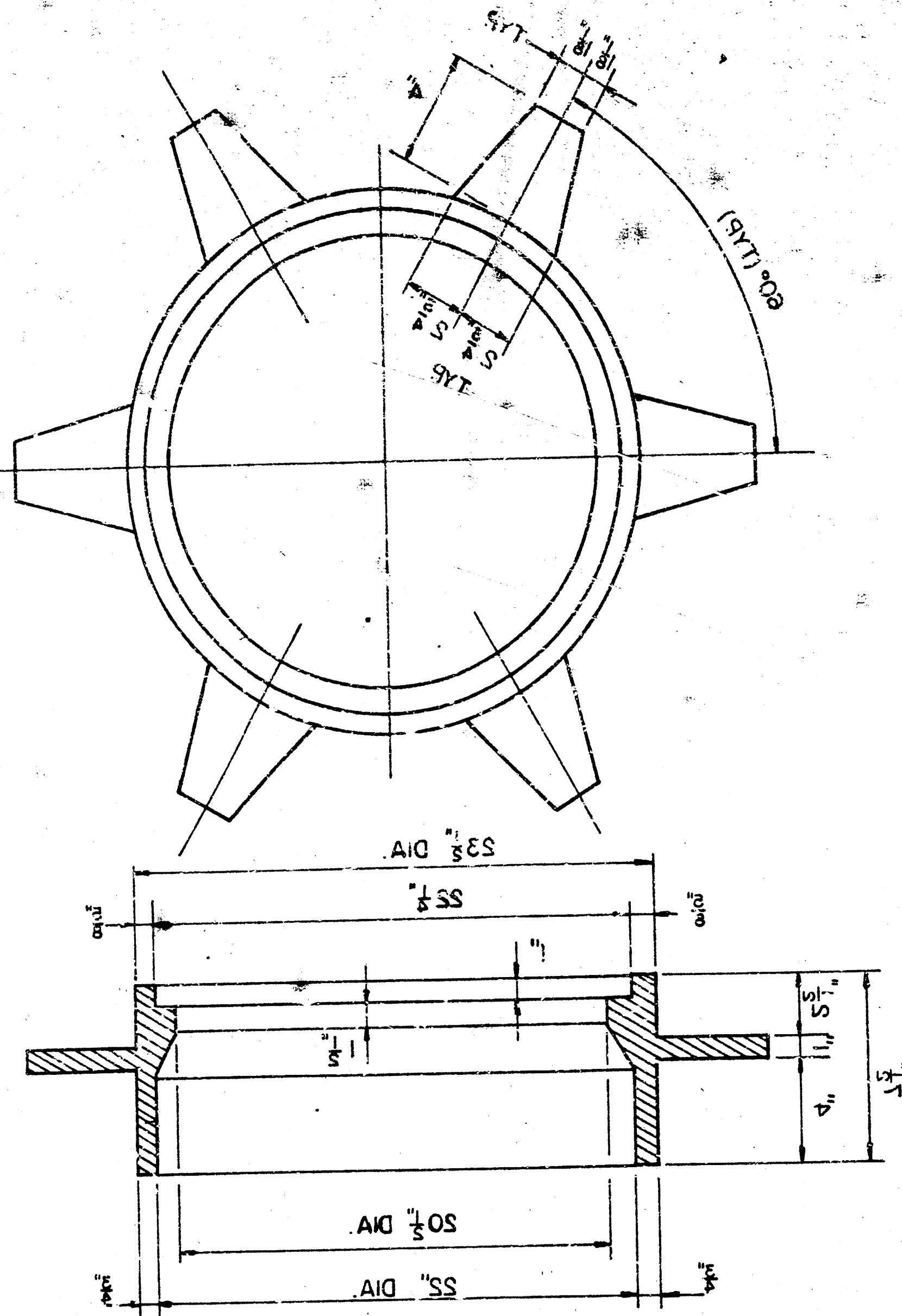


* GROSS VOLUME

NOTE:
PAVING MIX.
PRECAST CONCRETE FOR INLET TOPS
TOPS MAY BE CAST IN PLACE OR
SUPPORT ALONG BRICK WALLS. CONCRETE
THIN MORTAR CUSHION TO INSURE FULL
CONCRETE TOPS TO BE INSTALLED ON



SECTION B-B
(SCALE 3" = 1'0")



MANHOLE RING

SEE SEWER APPURTENANCES DETAIL
SHEET FOR MANHOLE COVER.

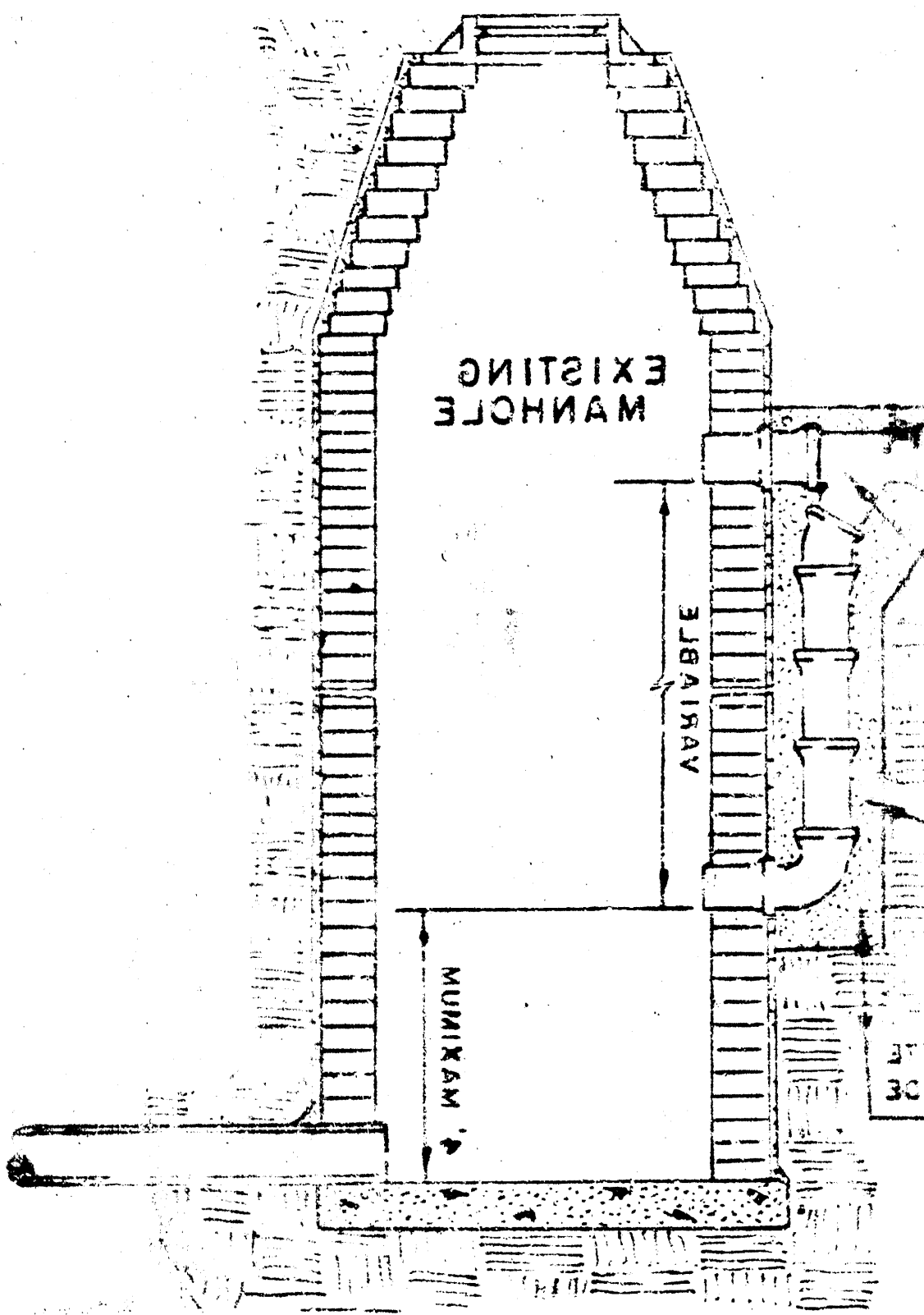
PAVEMENTS HAVE ROLL CURB ASPHALT BASE COURSE AND/OR WHEN PAVEMENT IS ASPHALT PAVEMENT WITH THIS TYPE INLET TO BE USED WHEN

MANHOLES

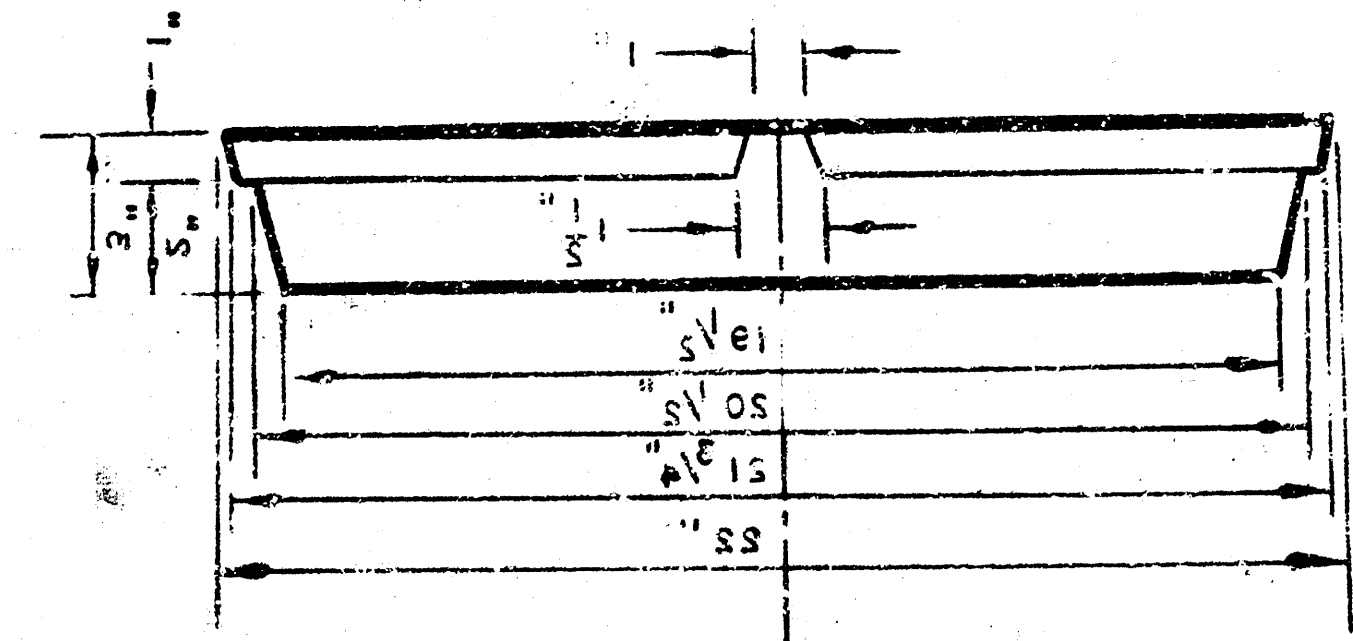
THE CONCRETE USED FOR MORTAR IN MANHOLES SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD, STANDARD MANHOLES AND DROP MANHOLES, REGARDLESS OF DIAMETER, SHALL BE BID AT ONE PRICE AS STANDARD MANHOLES.

DROP MANHOLES SHALL BE BID AT ONE PRICE AS OUTSIDE DROP MANHOLES.

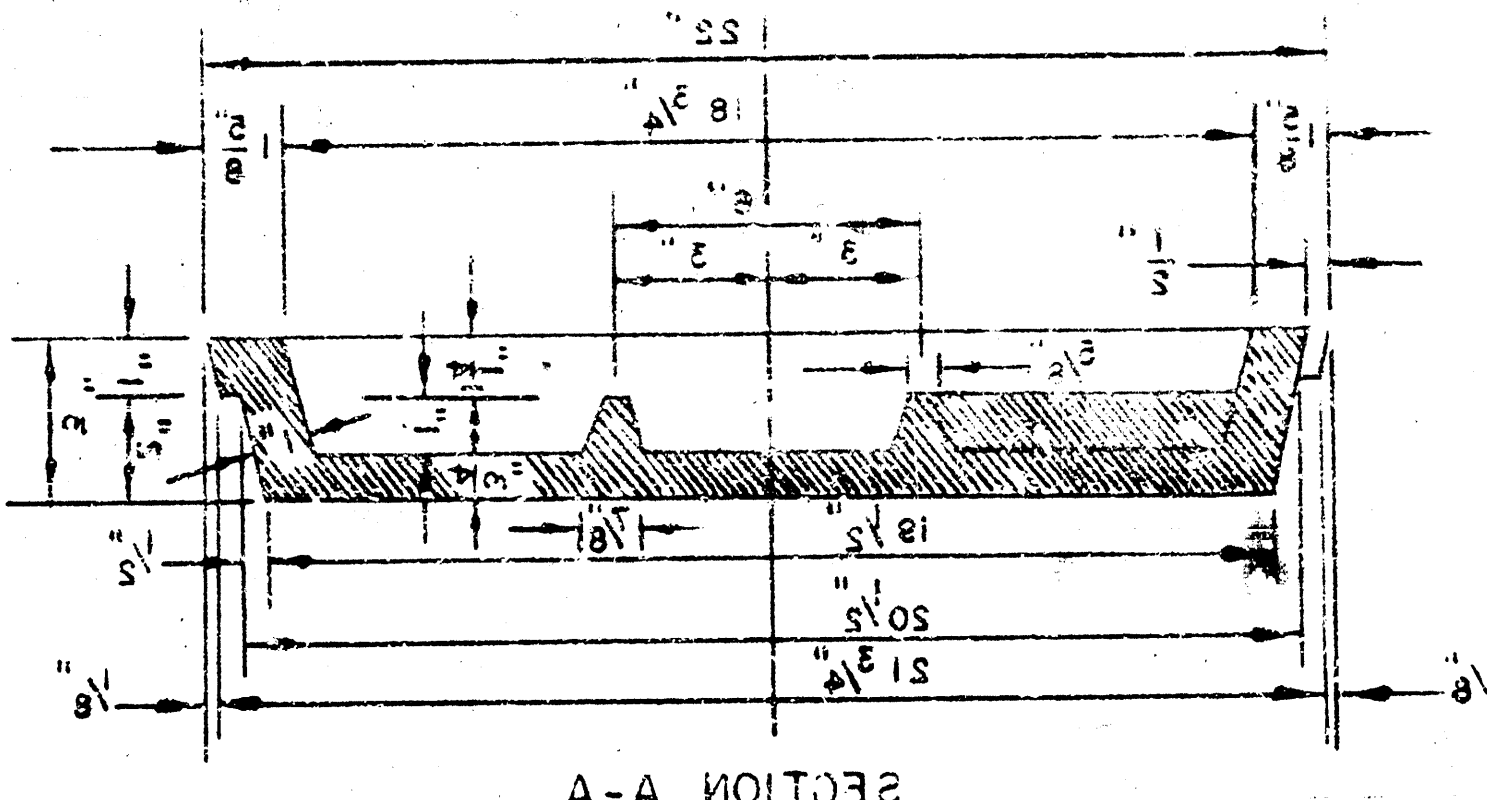
ALL MANHOLES WITH PIPES LARGER THAN 24" SHALL BE 2' DIAMETER UNLESS OTHERWISE SPECIFIED ON PLAN. ALL M.H.'S WITH PIPES 24" & SMALLER SHALL BE 4' DIA.



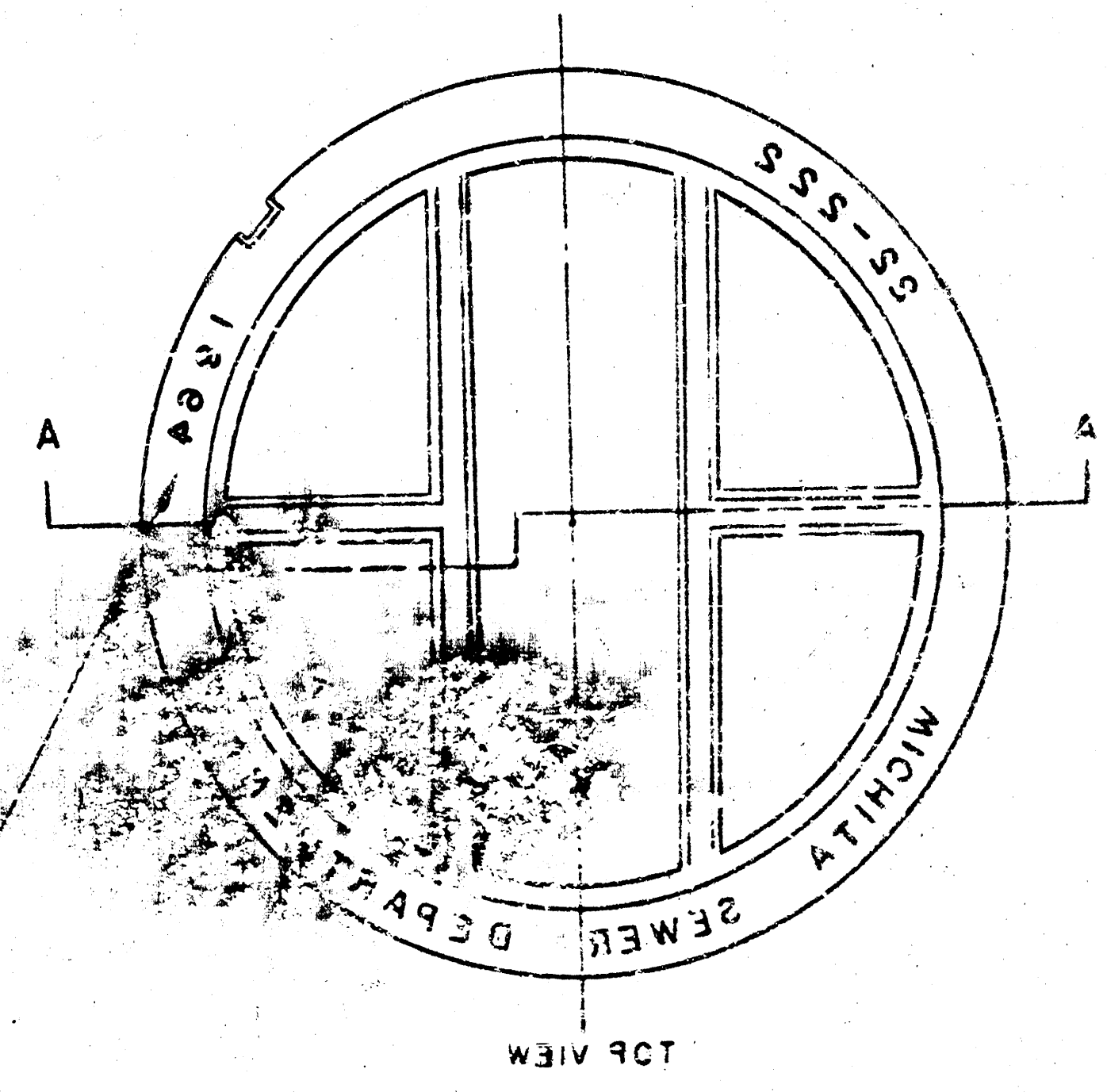
DETAIL OF DROP STACK
FOR EXISTING MANHOLES IN GROUND WATER



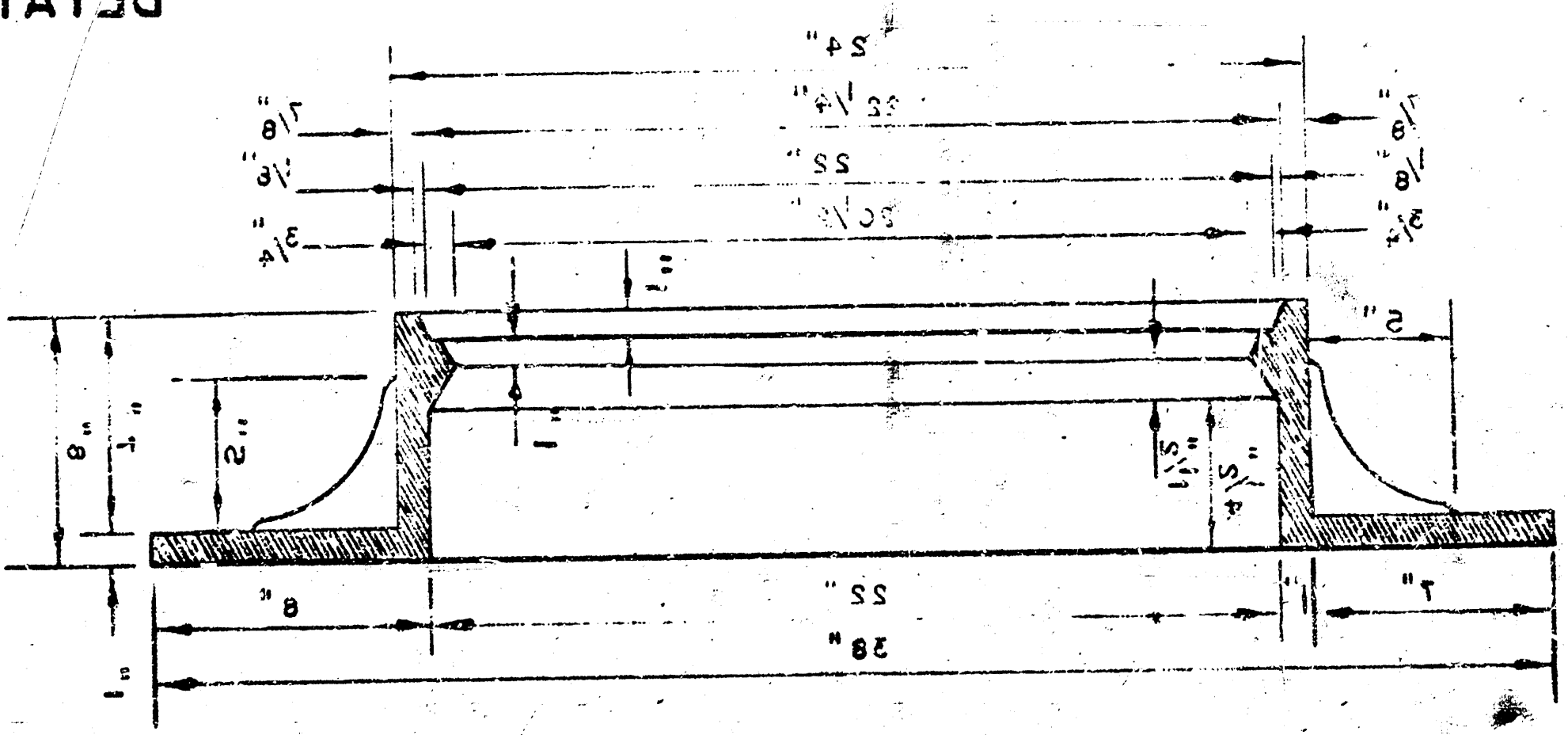
MANHOLE COVER



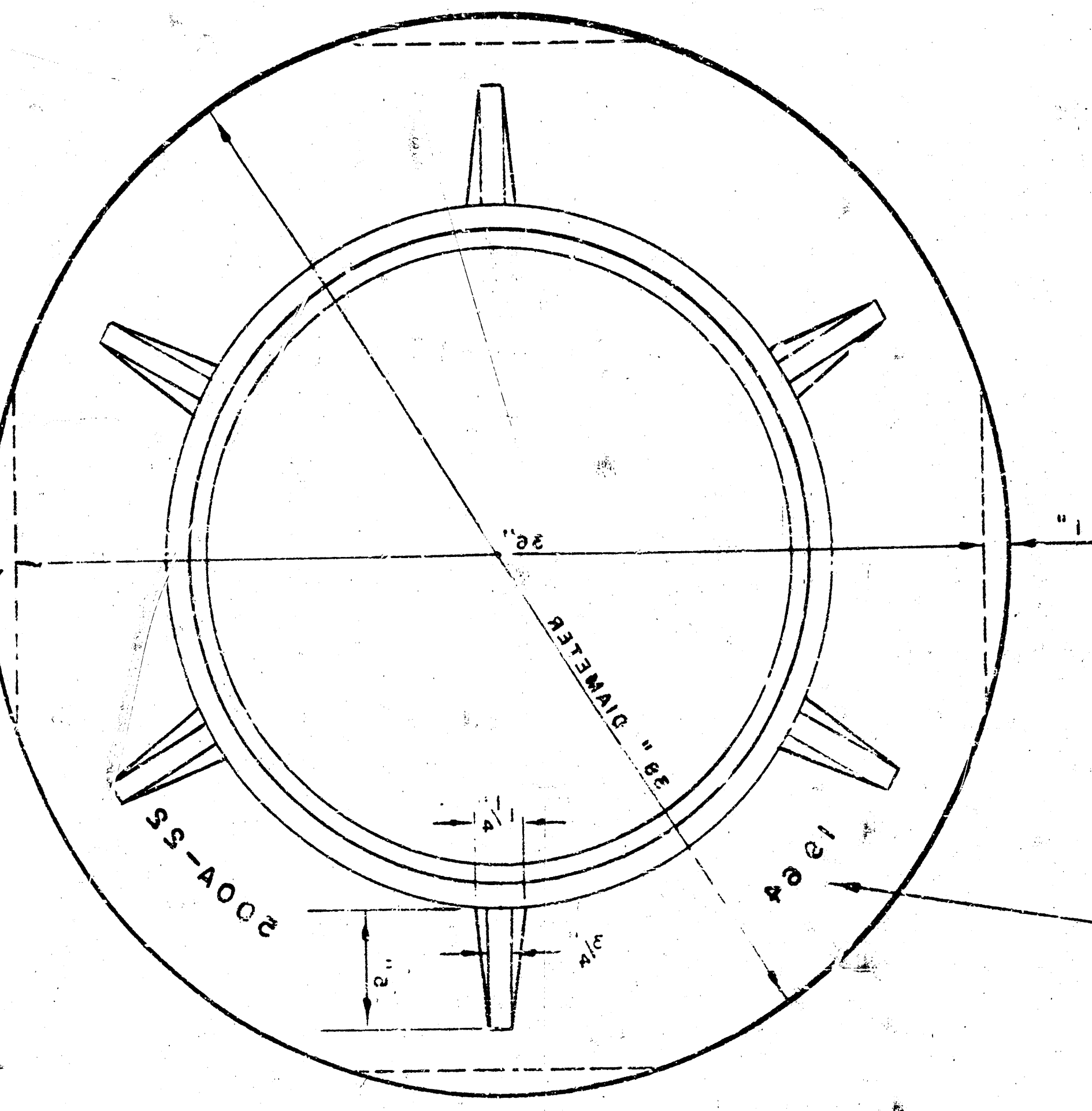
MANHOLE COVER



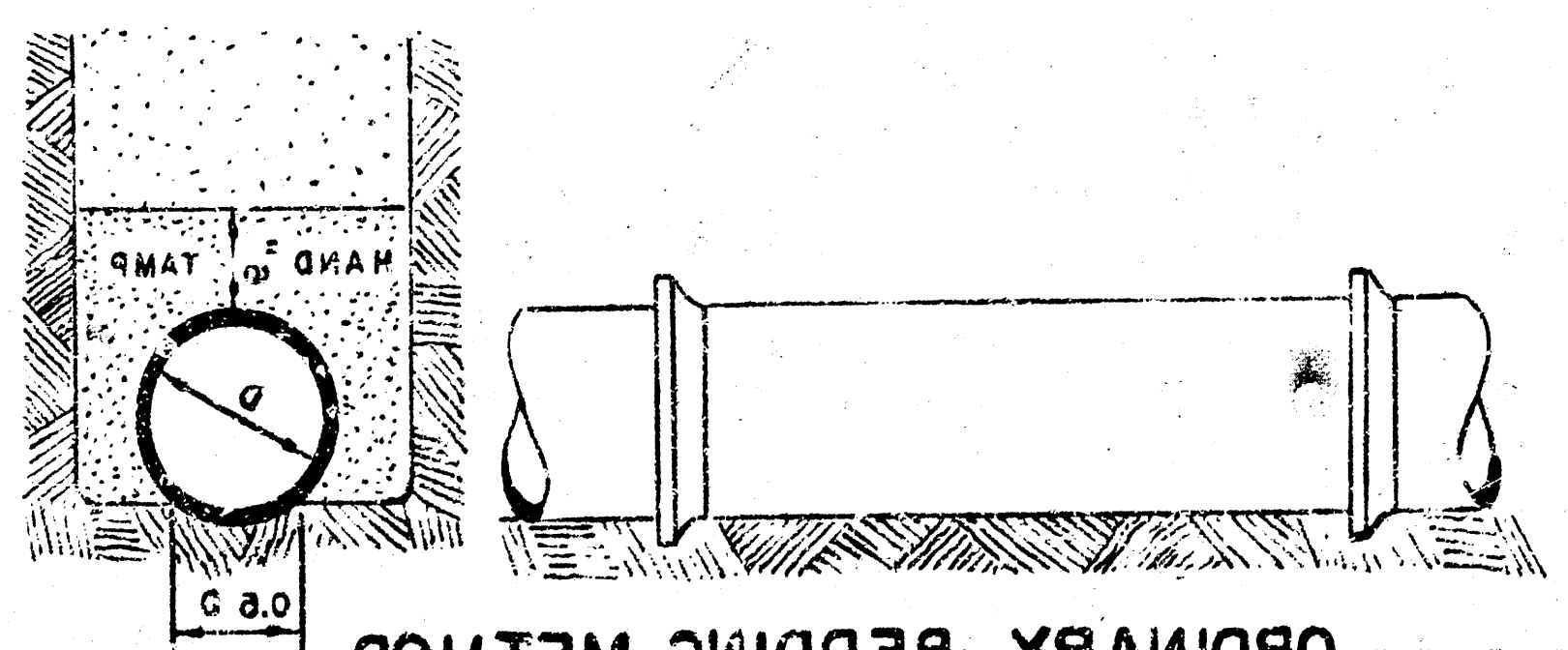
MANHOLE COVER



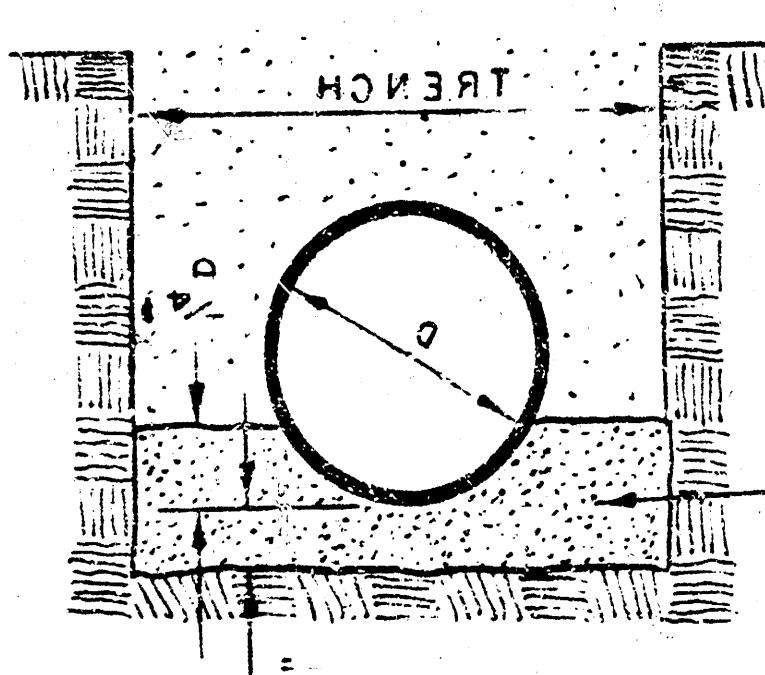
MANHOLE RING



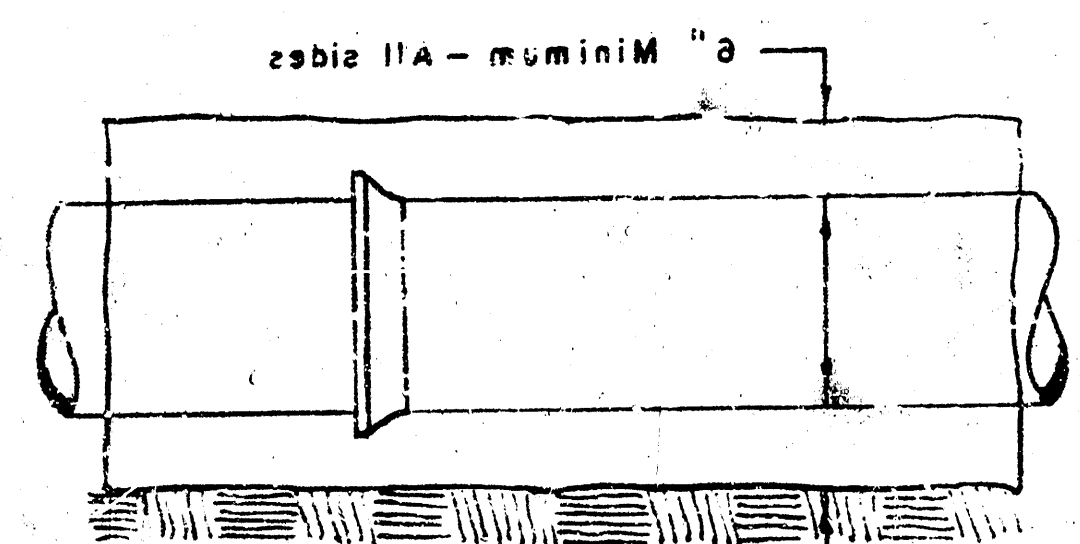
MANHOLE RING



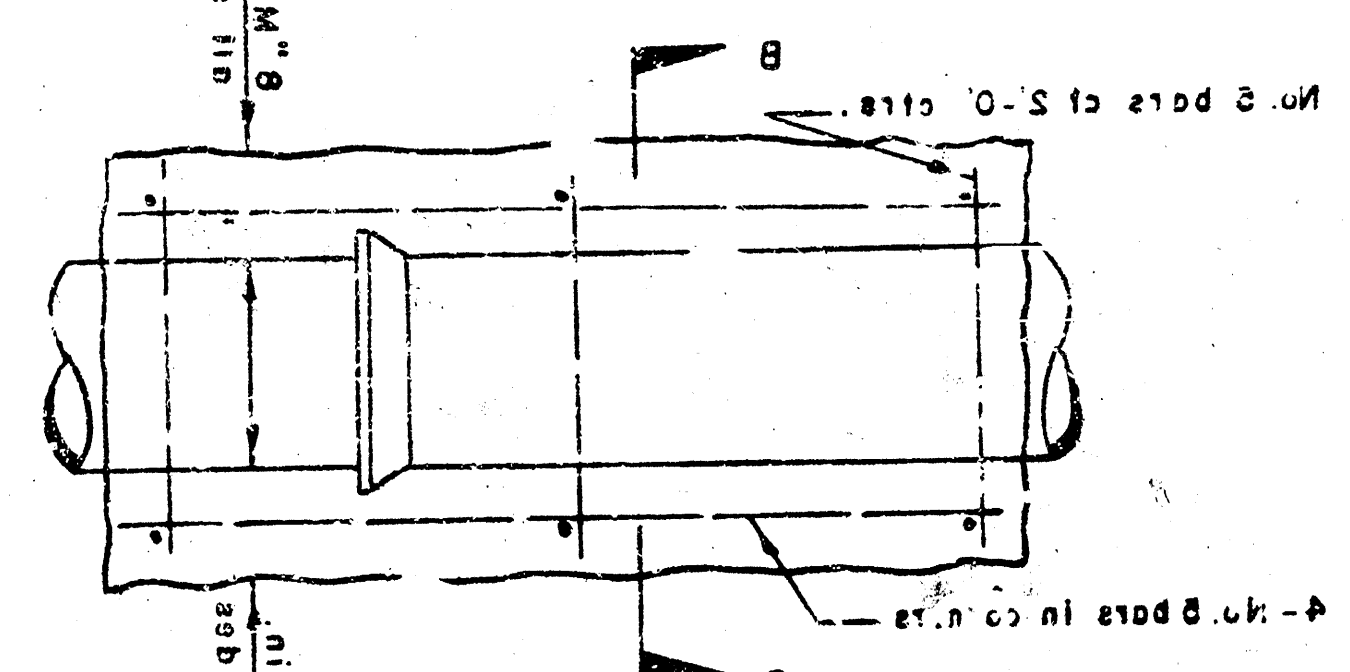
ORDINARY BEDDING METHOD
FOR REINFORCED CONCRETE PIPE



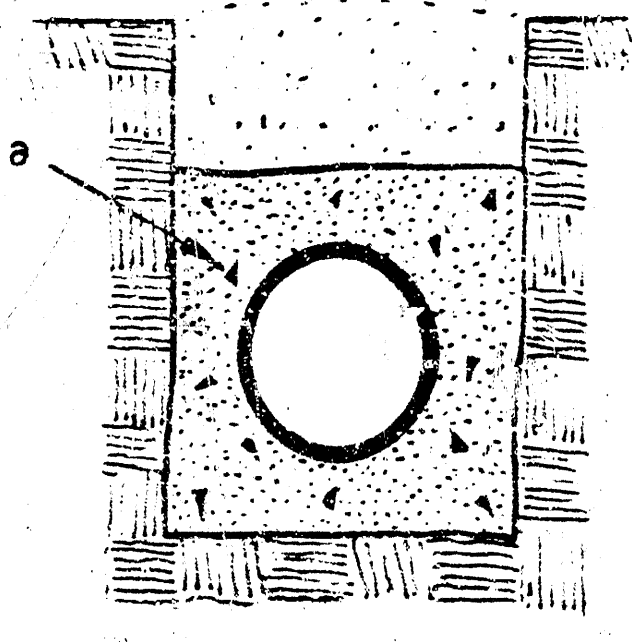
DETAIL OF CONCRETE CRADLE



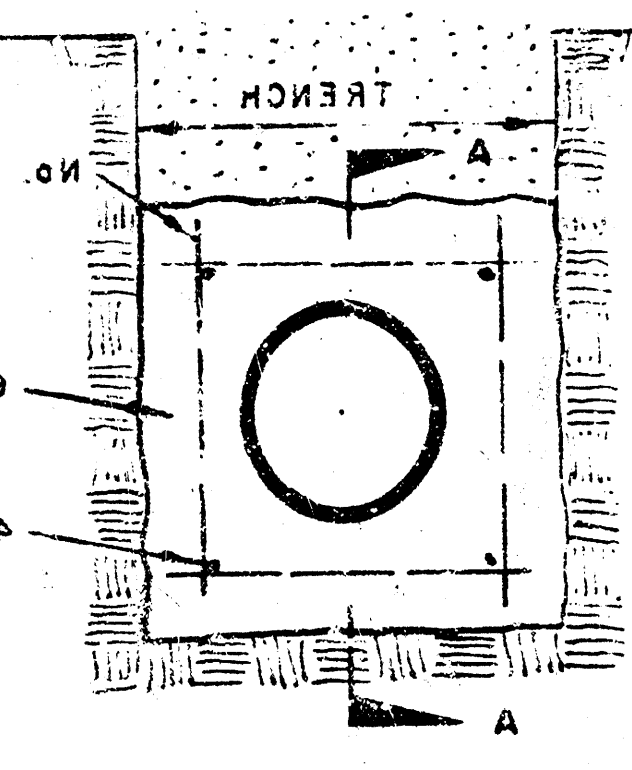
CONCRETE ENCASMENT
FOR COVER



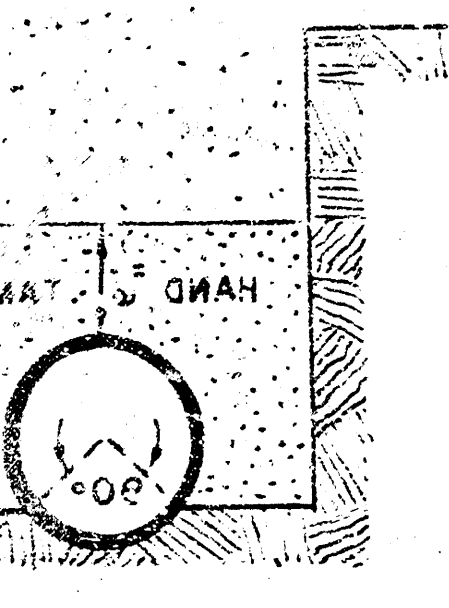
REINFORCED CONCRETE ENCASMENT
FOR STRENGTH



CONCRETE ENCASMENT

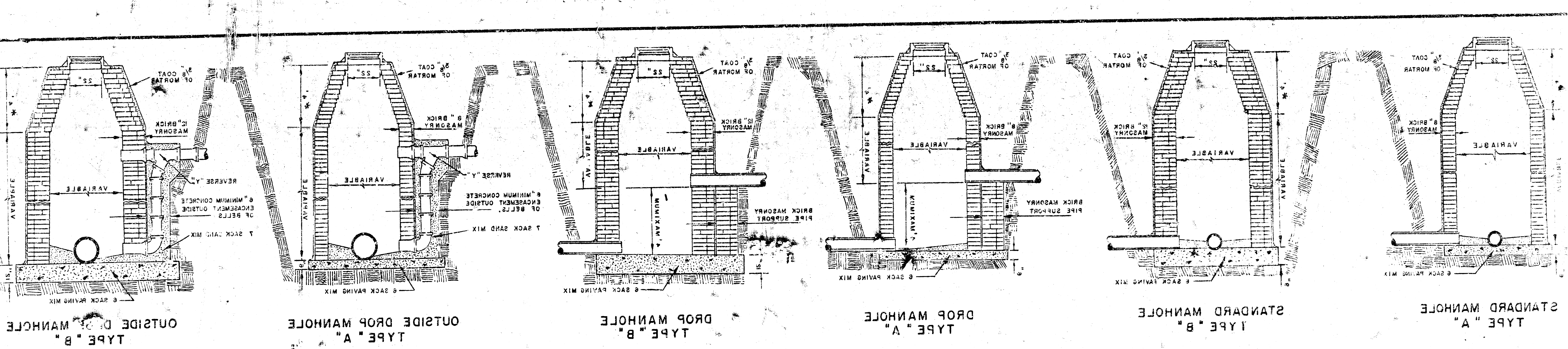


REINFORCED CONCRETE ENCASMENT
FOR STRENGTH



ORDINARY BEDDING METHOD
FOR CLAY PIPE

SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN
CITY ENGINEER



STANDARD MANHOLE
TYPE "A"

STANDARD MANHOLE
TYPE "B"

DROP MANHOLE
TYPE "A"

DROP MANHOLE
TYPE "B"

OUTSIDE DROP MANHOLE
TYPE "A"

OUTSIDE DROP MANHOLE
TYPE "B"

* DRAW = 6' ON 2' DIA. M.H.