

PAVING - UNIVERSITY GARDENS 2ND ADDITION

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

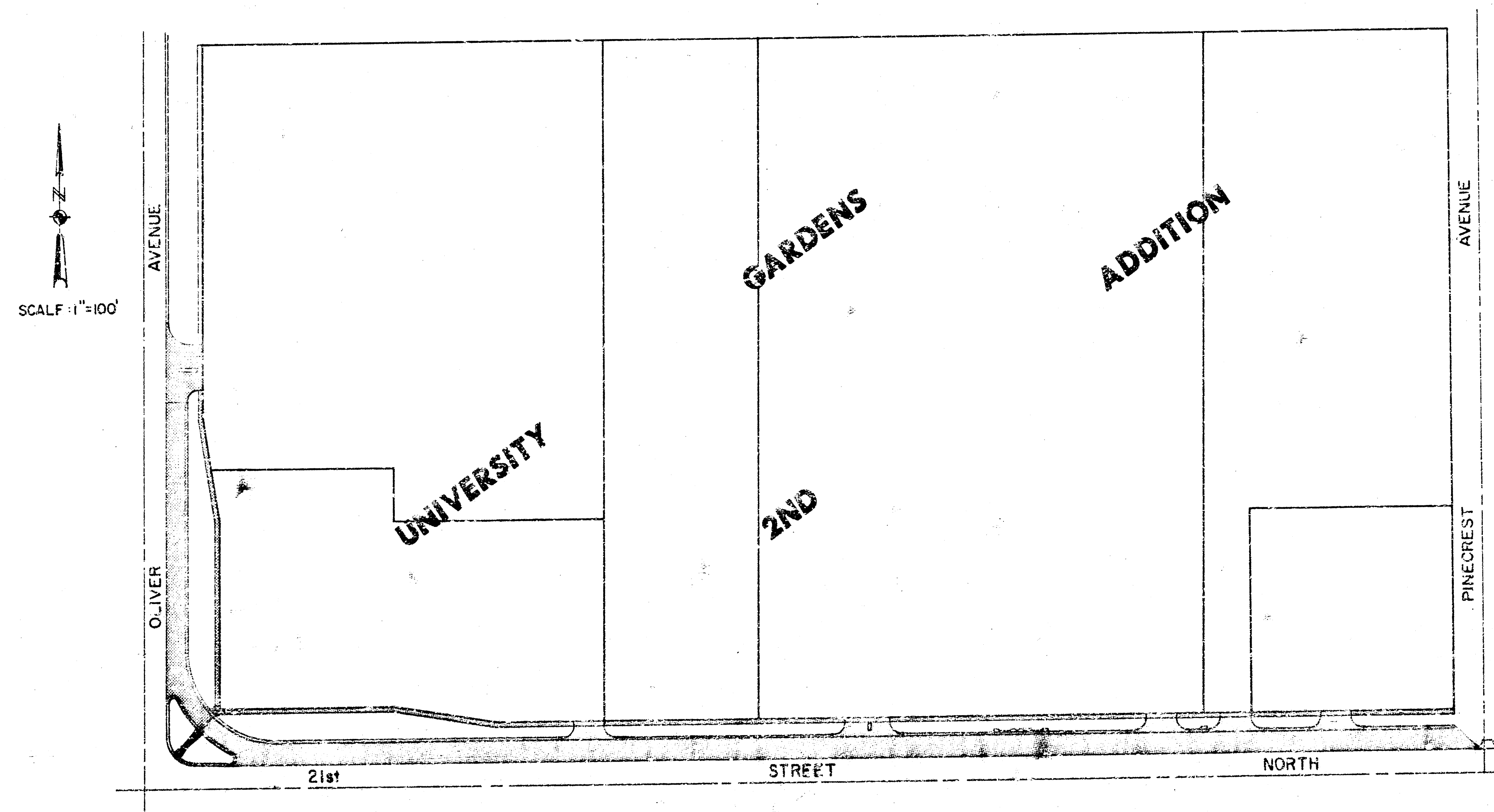
APRIL, 1977

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

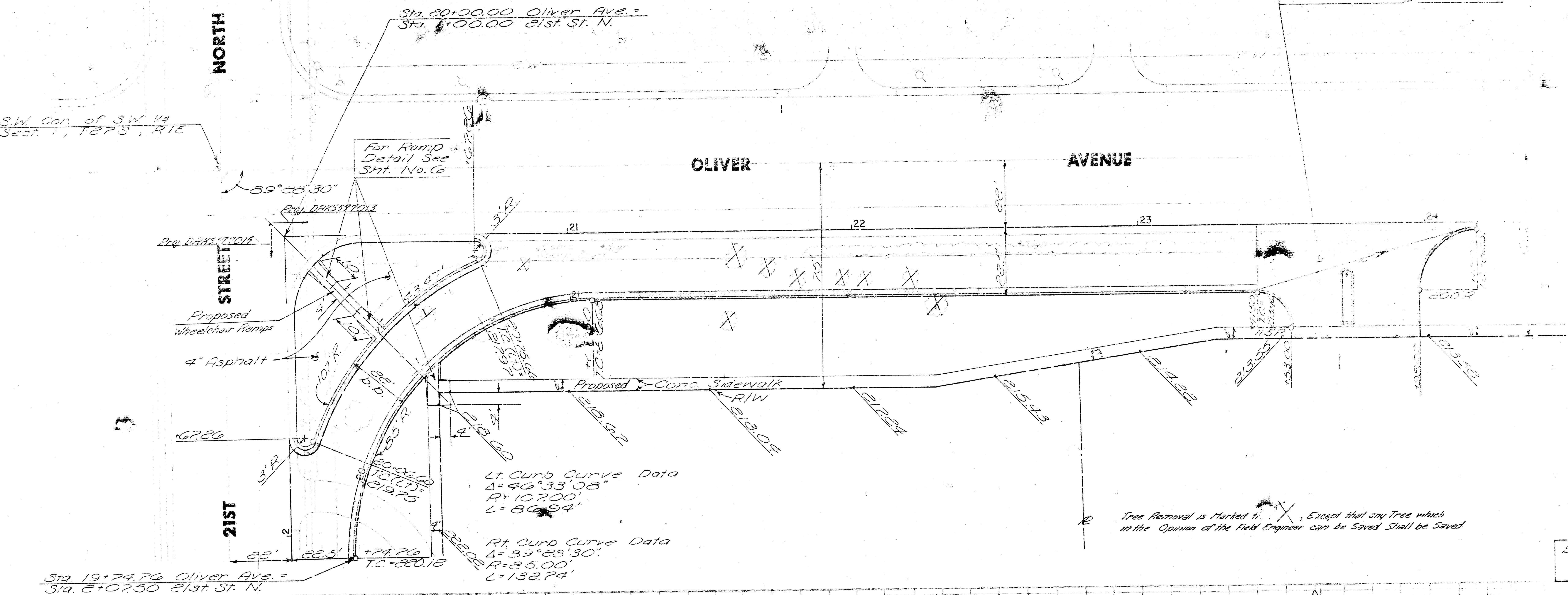
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	OLIVER AVE. - PLAN PROFILE
3-5	21ST ST. NORTH - PLAN PROFILE
6	PAVING DETAILS
7	TYPE 1 INLET DETAILS
8	STORM SEWER DETAILS



LOCATION MAP

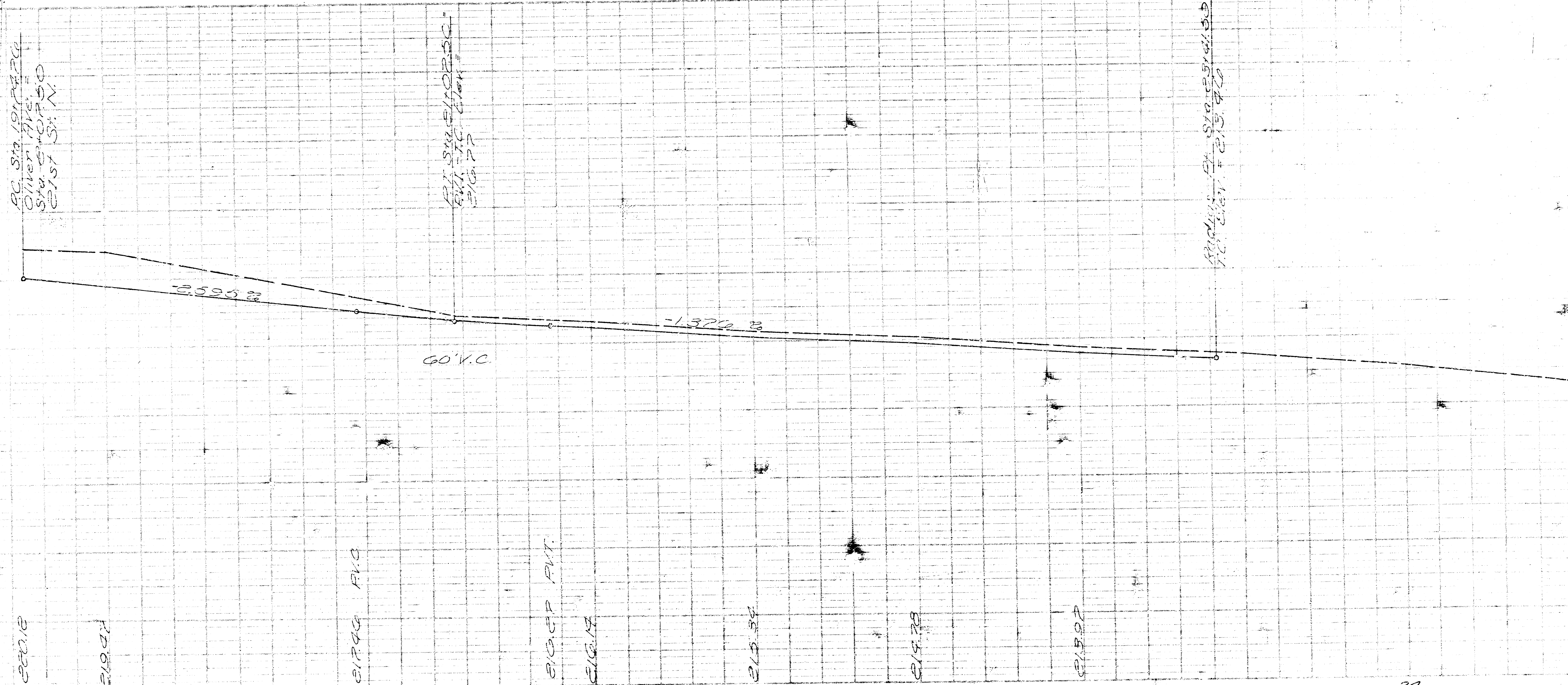


SCALE 1"=20'



Tree Removal is Marked to 'X' Except that any Tree which in the Opinion of the Field Engineer can be Saved Shall be Saved

B.M. - 5.11.50, 33 ft West of Oliver Ave. & 42 ft North of 21st St. N. ELEV. = 212.80



AVENUE

OLIVER

21ST

STREET

NORTH

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

6" Concrete Drive with 6x6 1/2 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 & Bottom
on 1" x 1" 50 Ft. Pt. Sta.
21st St. N. - Elev. = 217.82

SCALE 1" = 20'



T.C. Elev.

220.13

221.63

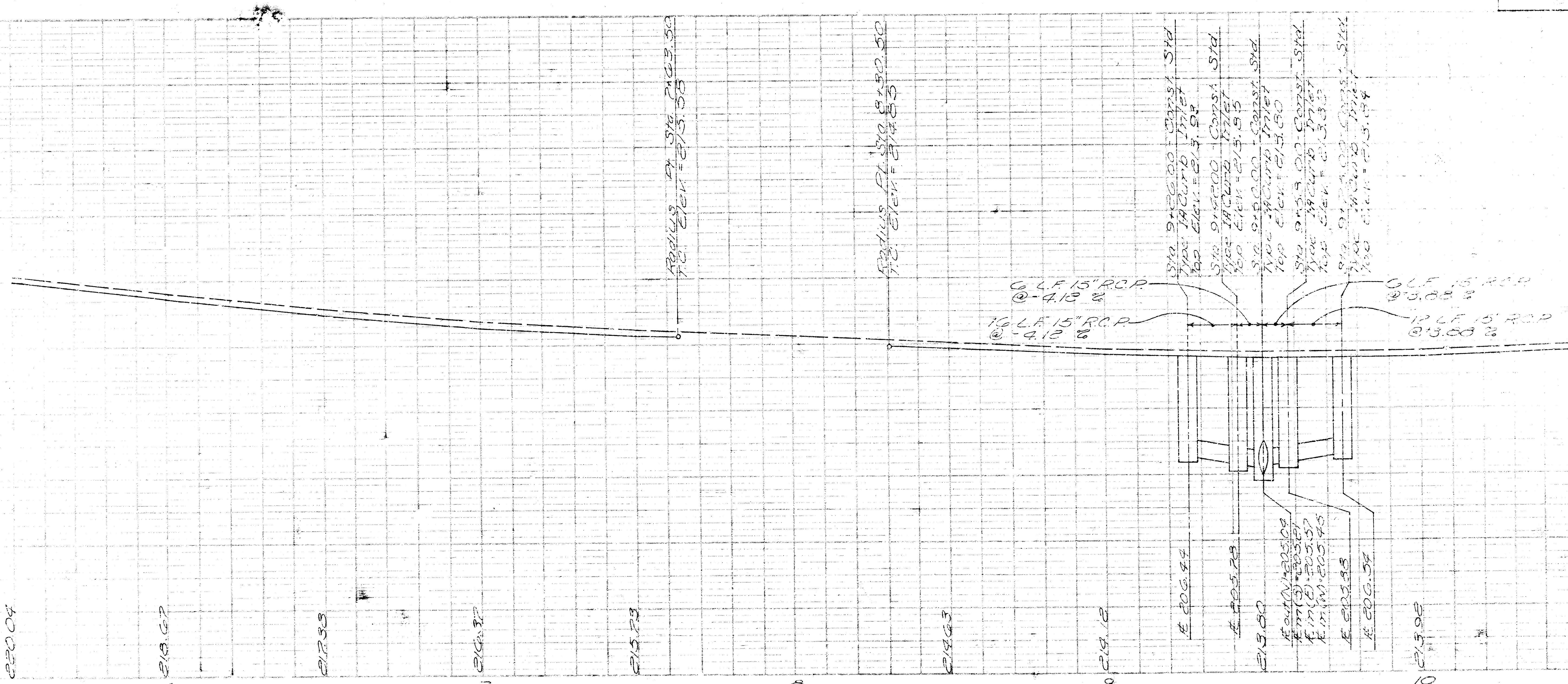
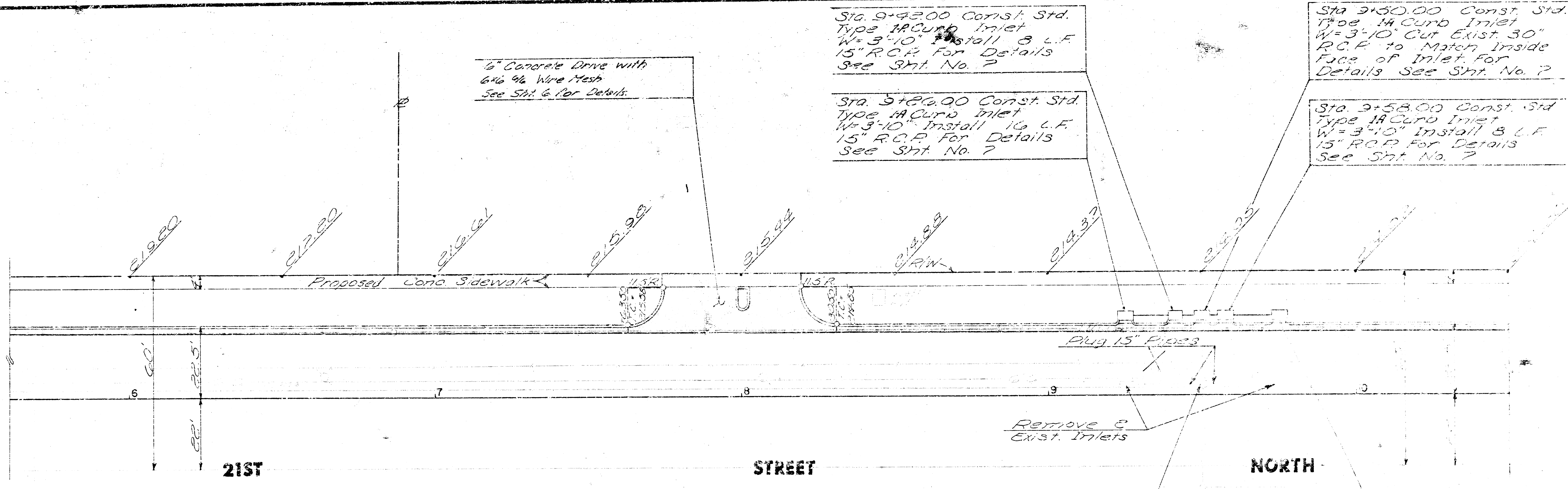
222.60

223.20

223.28

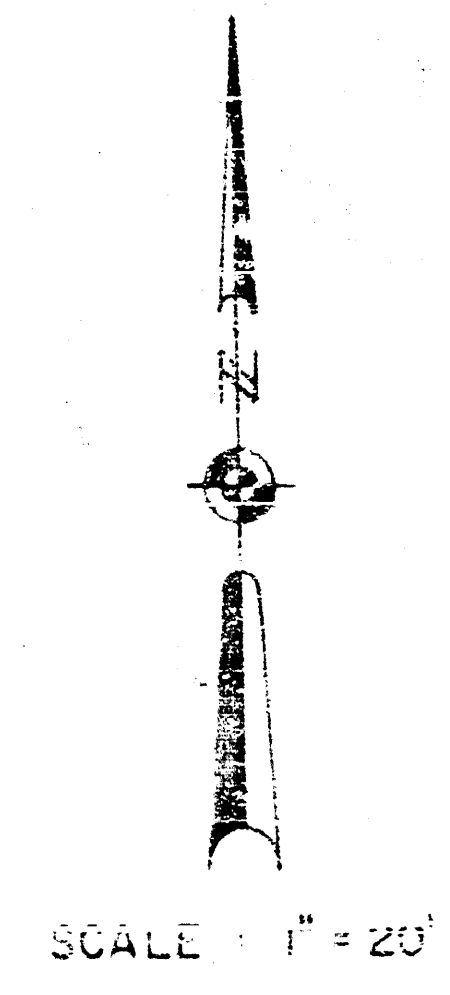
223.22

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



PINECREST
AVENUE

21ST

STREET

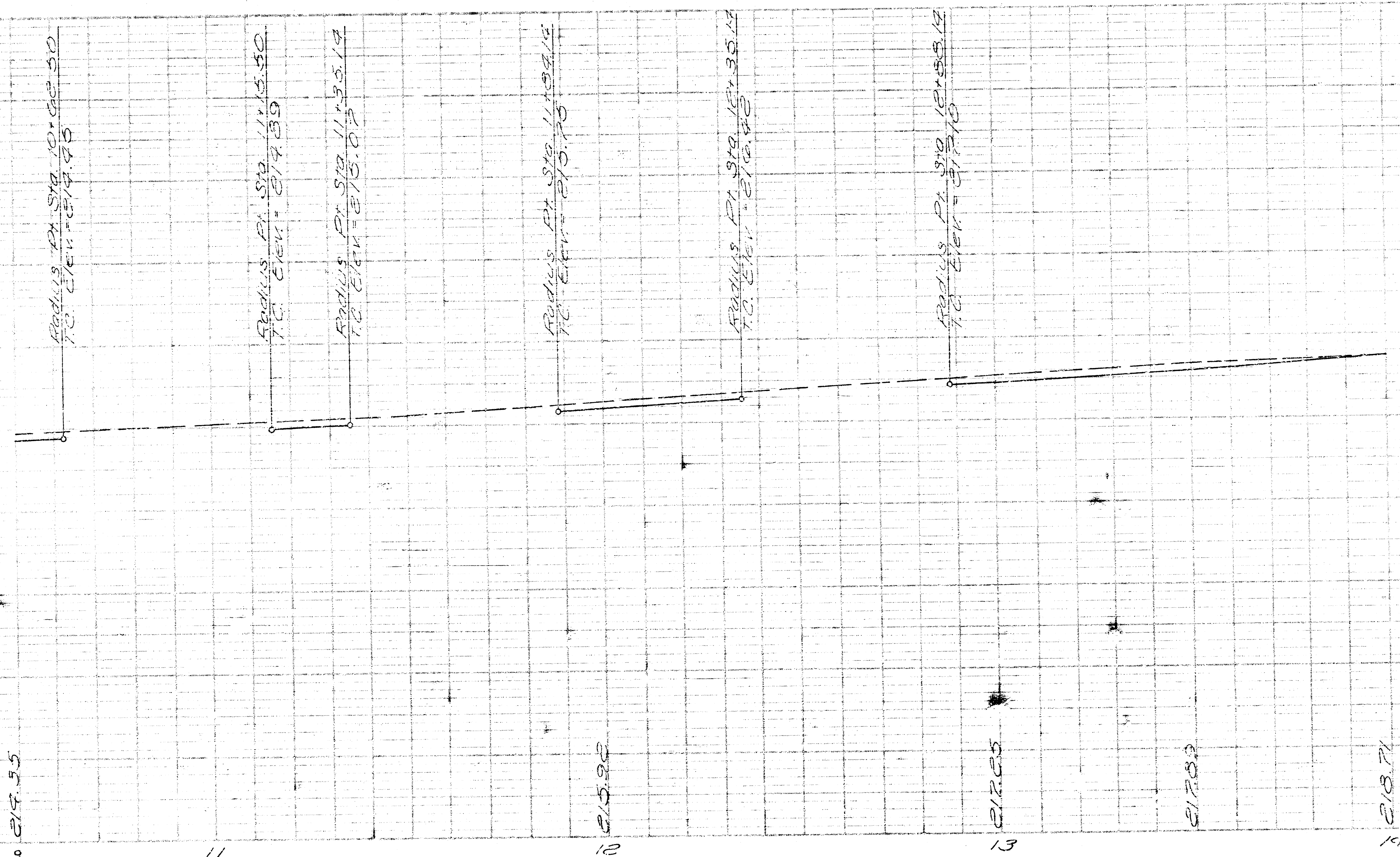
NORTH

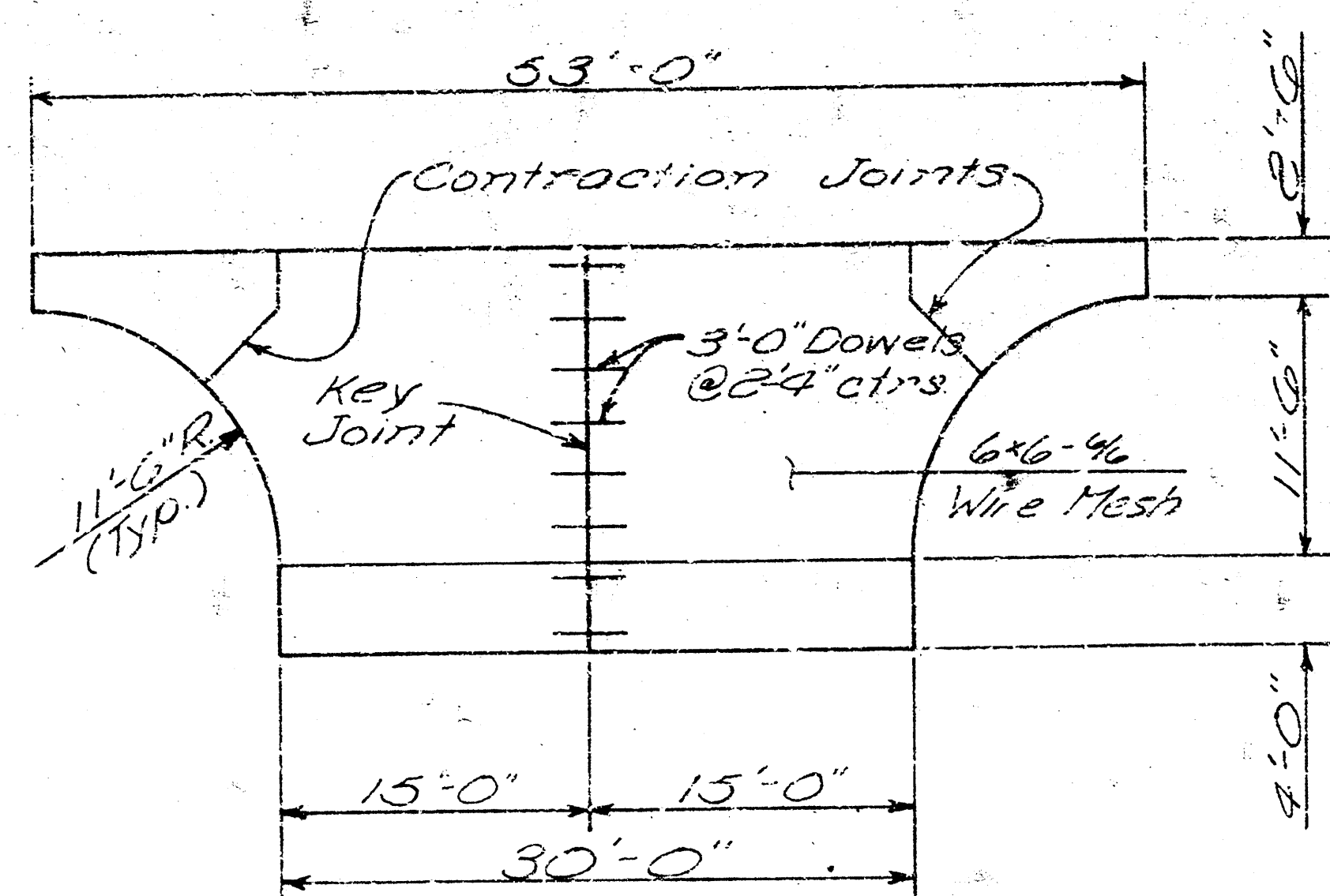
Remove Existing Inlet, Section of
24" R.C.P. Construct Concrete Collar
Around Pipe and Extend Collar a min. of
2' Beyond Both Ends.
To be Bid as L.F. 24" R.C.P. w/ Concrete Collar.

Asphalt Curb
(Incidental to Project)
Street Signing
By Others

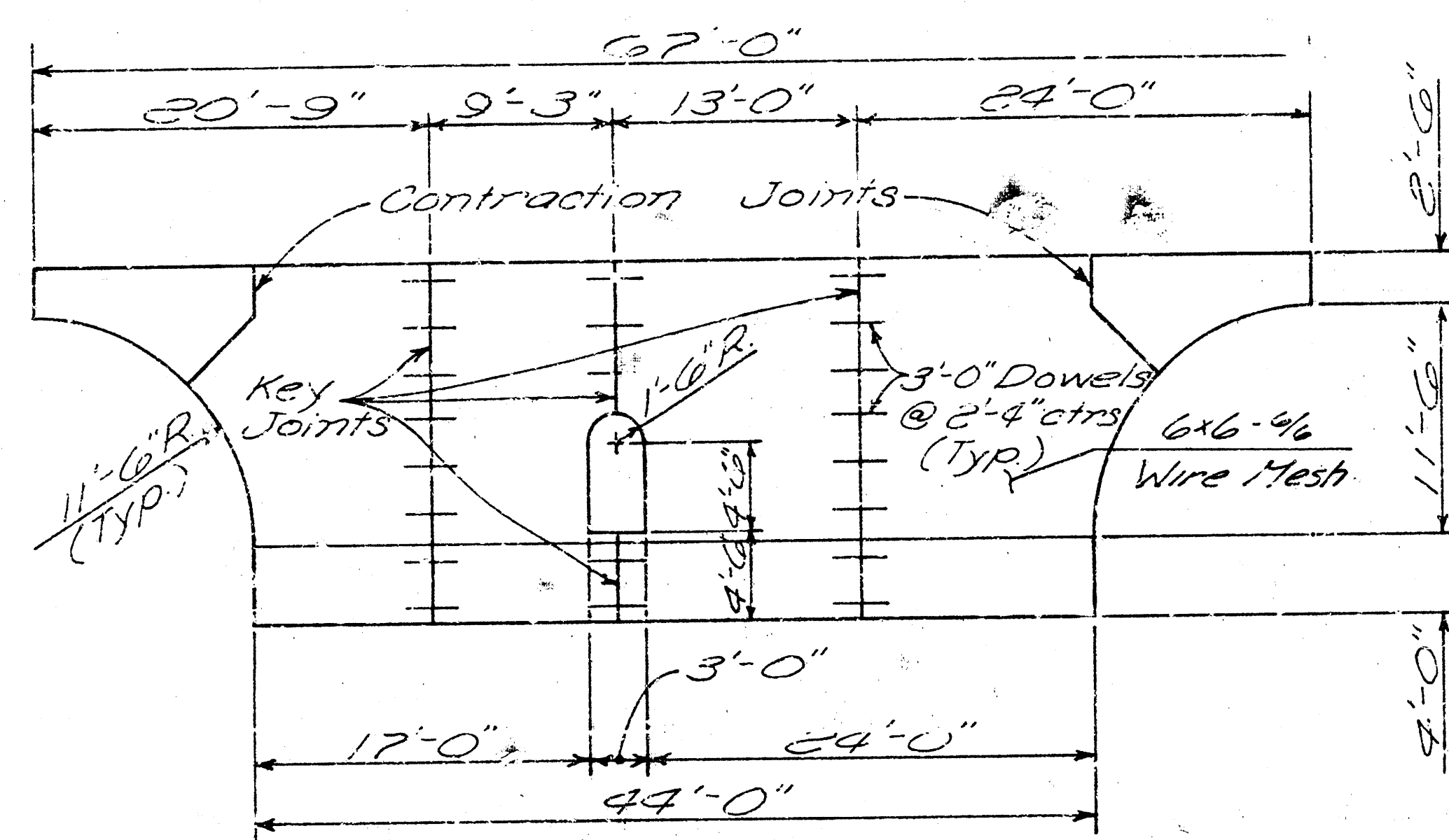
1510. 11+30.90 Const Std.
Type 1A Curb Inlet
W = 3'-10" Install 8 L.F.
15" R.C.P. For Details
See Sht. No. 7

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

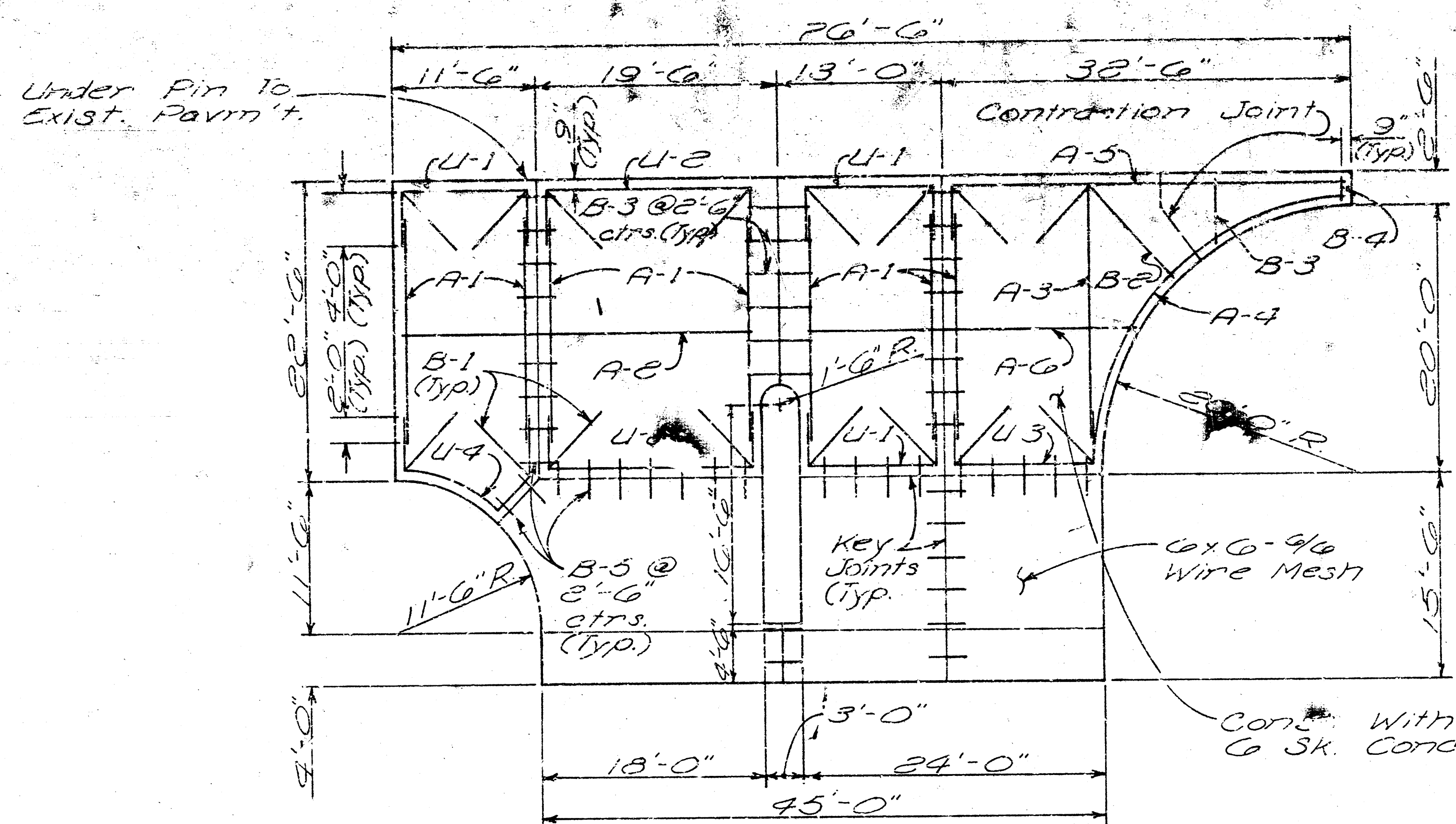




30' DRIVE APPROACH
6" Concrete

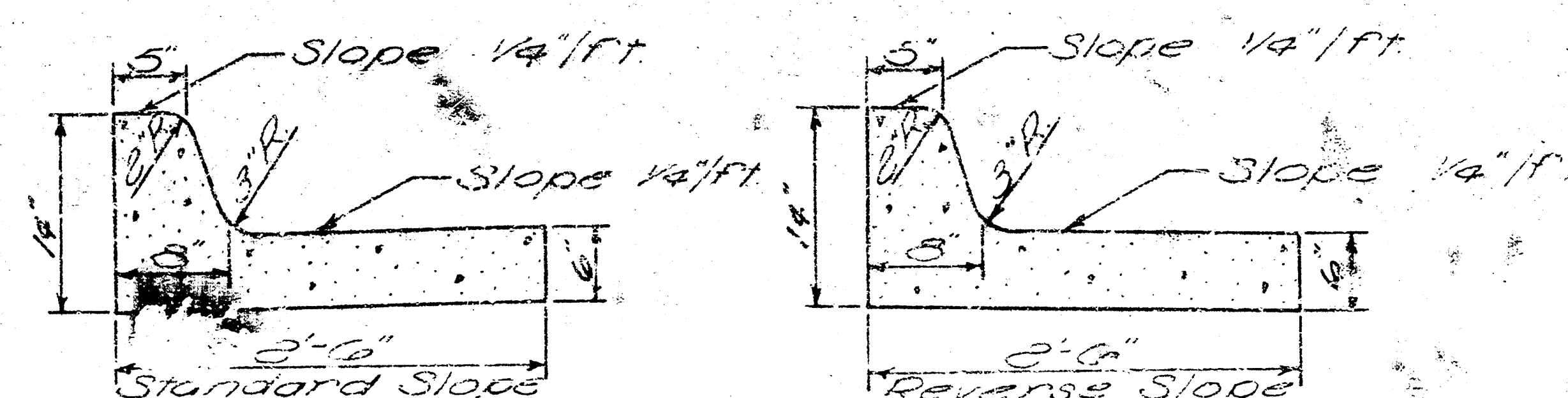


44' DRIVE APPROACH
21st STREET NORTH
6" Concrete

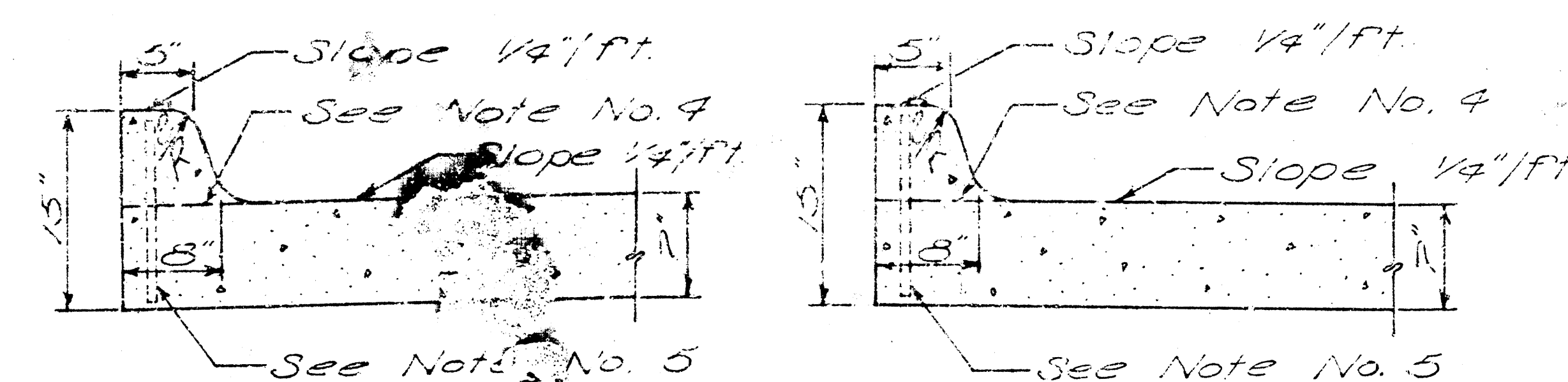


45' DRIVE APPROACH
OLIVER AVENUE

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

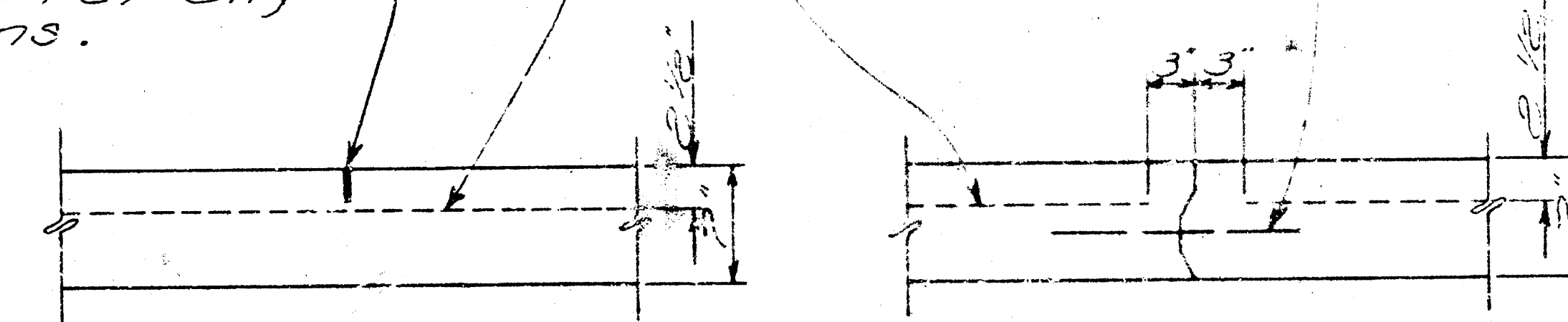


INTEGRAL CURB

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.



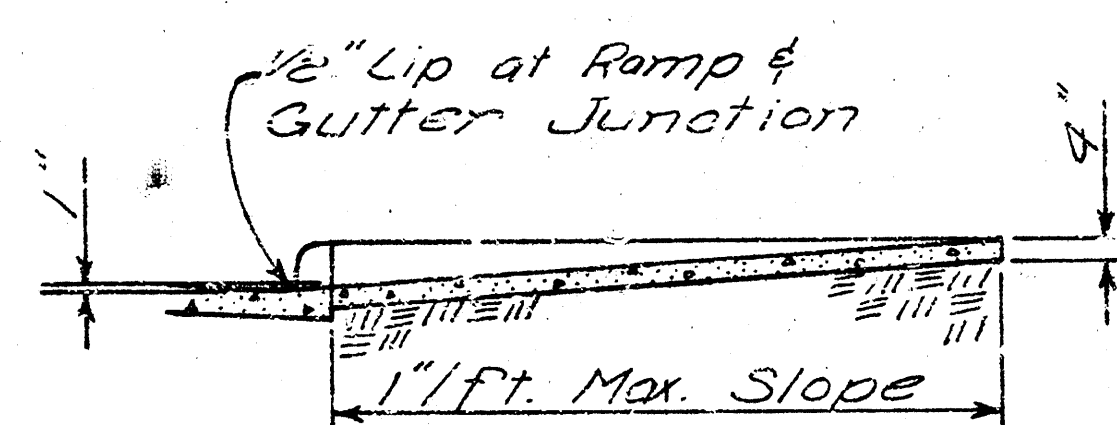
CONTRACTION

KEY

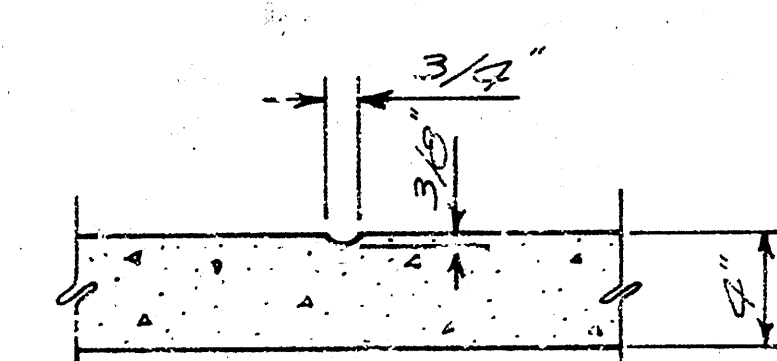
JOINT DETAILS

GENERAL NOTES

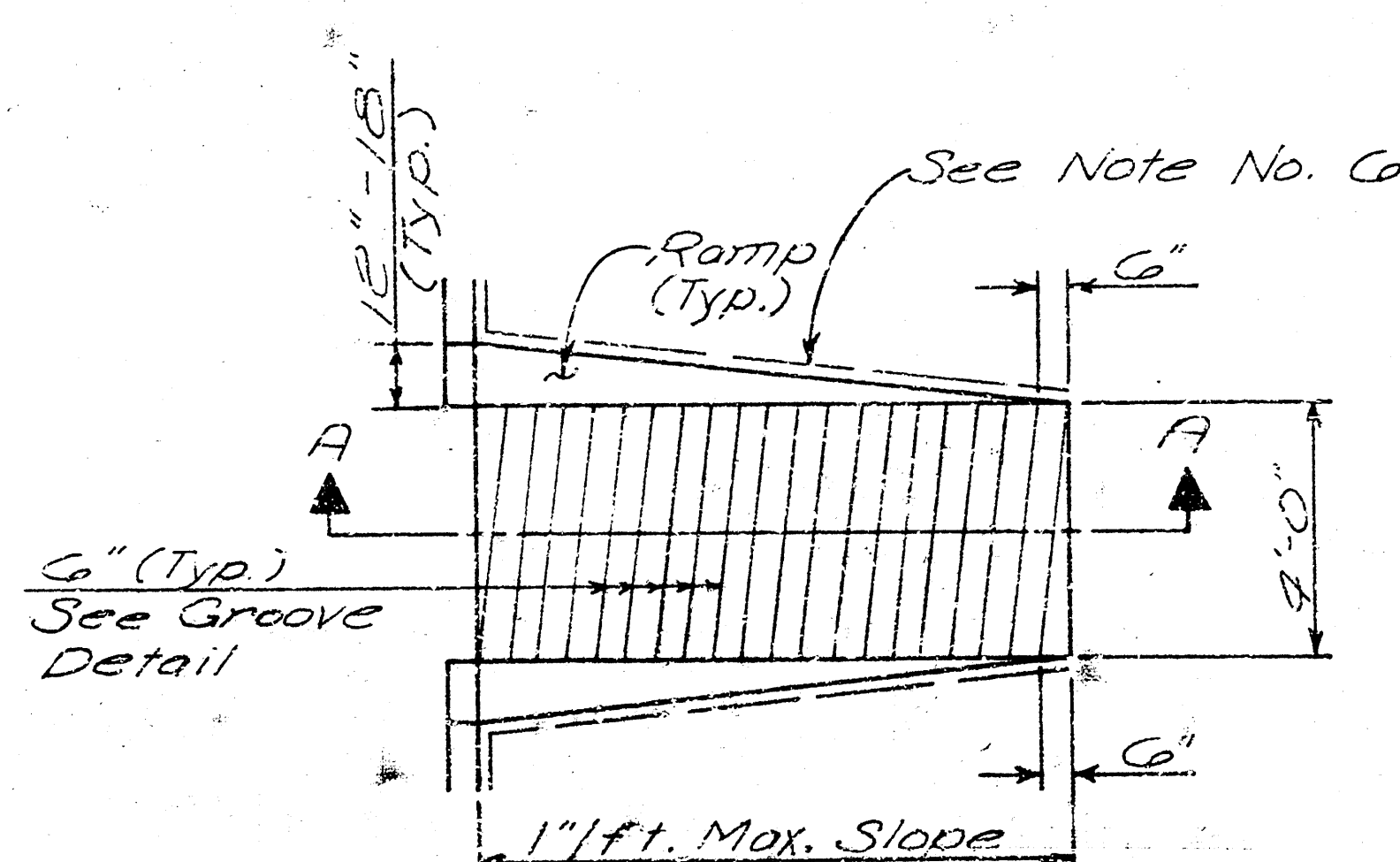
- A tack of Emulsified Asphalt (SS-IH) shall be applied at an approximate rate 0.05 gallons per sq. ft. between lifts of asphaltic materials when ordered by the engineer. Tack coat will not be paid for directly and shall be considered as subsidiary to price bid for Asphaltic Pavement.
- Bituminous Base 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.



SECT. A-A



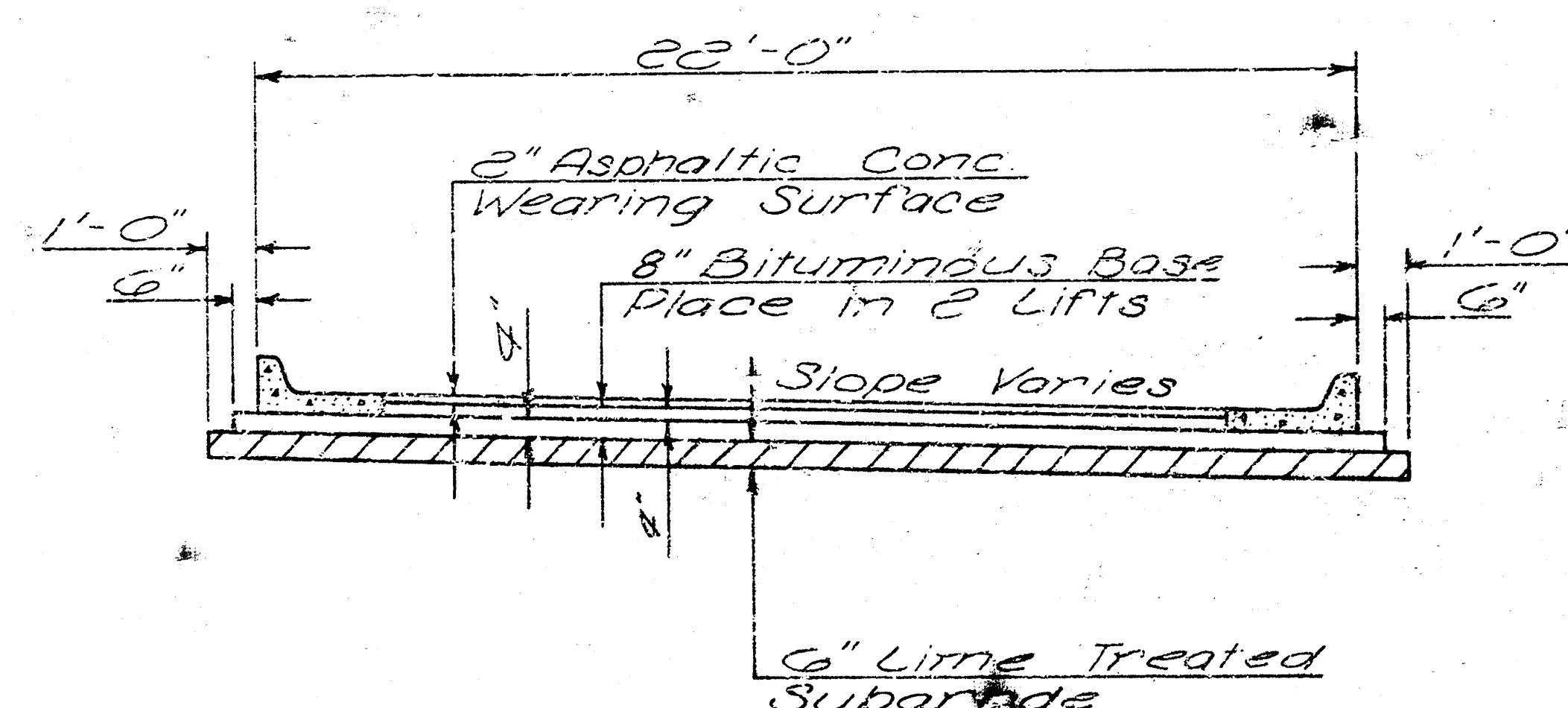
GROVE
DETAIL



PLAN

RAMP DETAILS
Not to be Constructed on
this Project

NOTE TO CONTRACTOR - SAW AND REMOVE 6" OF EXISTING ASPHALT SURFACE AFTER NEW 8" BASE HAS BEEN LAID DOWN. SAW JOINT TO BE INCIDENTAL TO PROJECT.



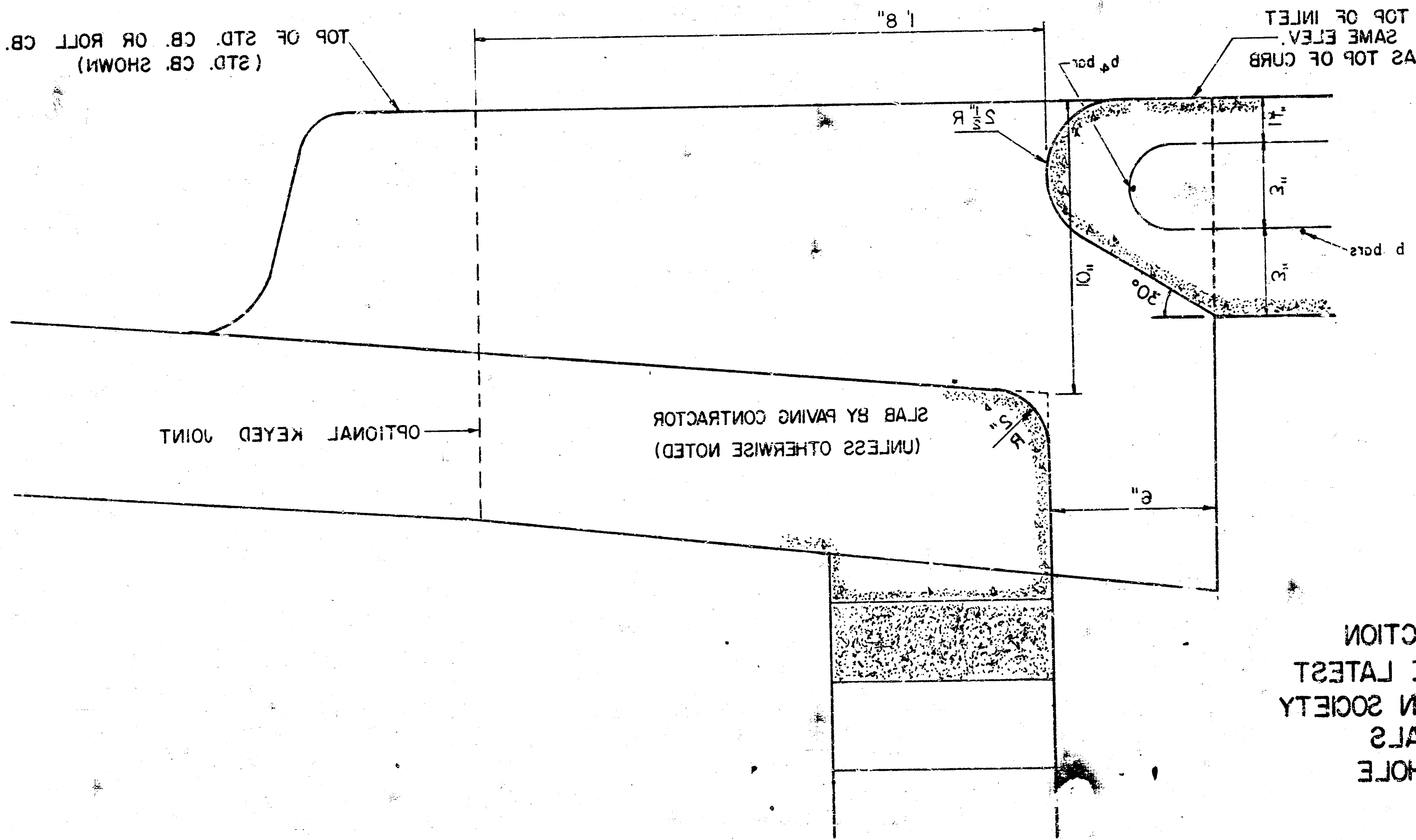
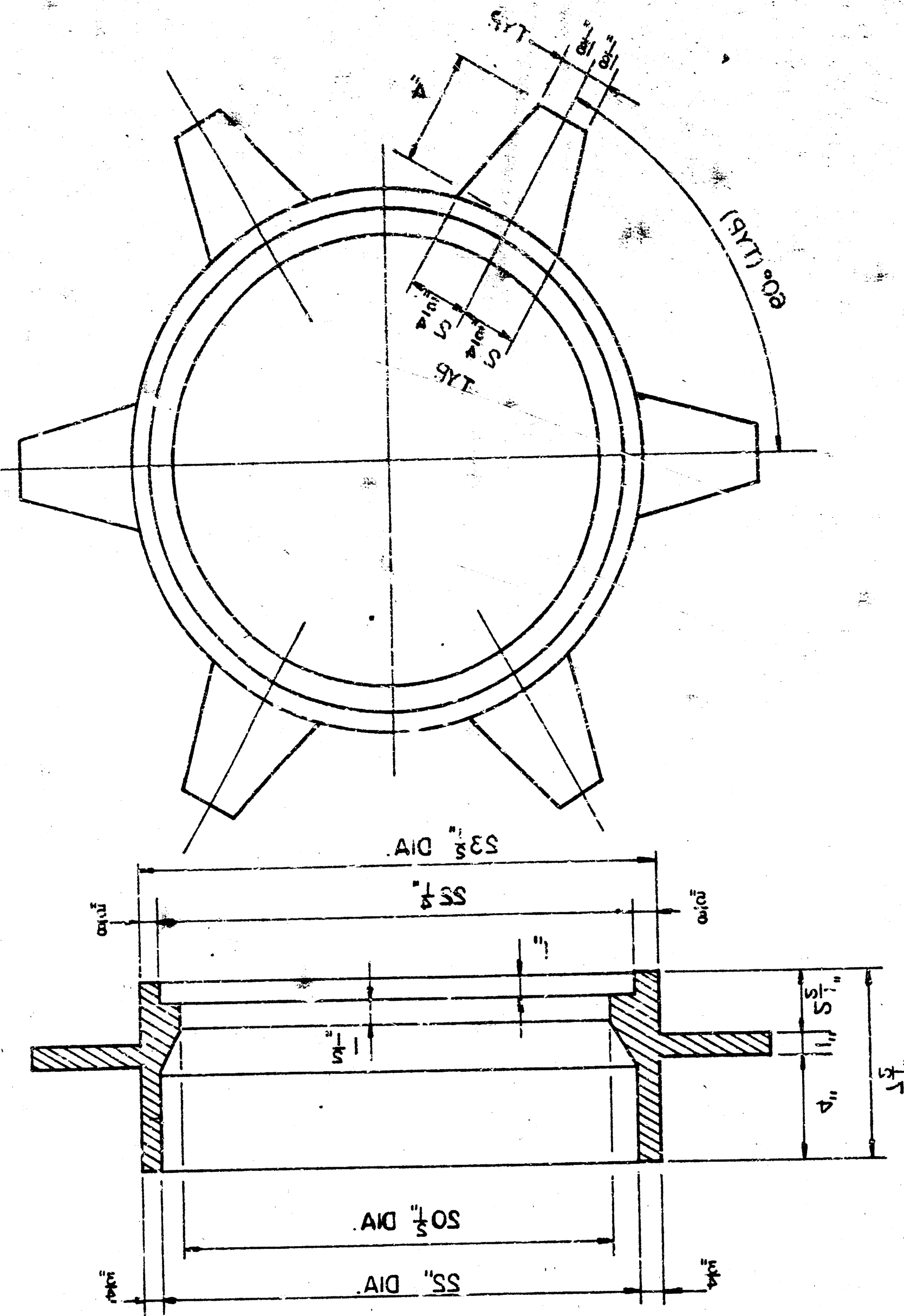
TYPICAL SECTION
RIGHT TURN LANE

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

FEBRUARY 1975
 R. W. LINN—CITY ENGINEER
 CITY OF WICHITA, KANSAS
 STANDARD TYPE IA CURB INLET
 (SET BACK LOCATION)
 DETAIL

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

SHEET FOR MANHOLE COVER.
 SEE SEWER APPURTENANCES DETAIL
 MANHOLE RING



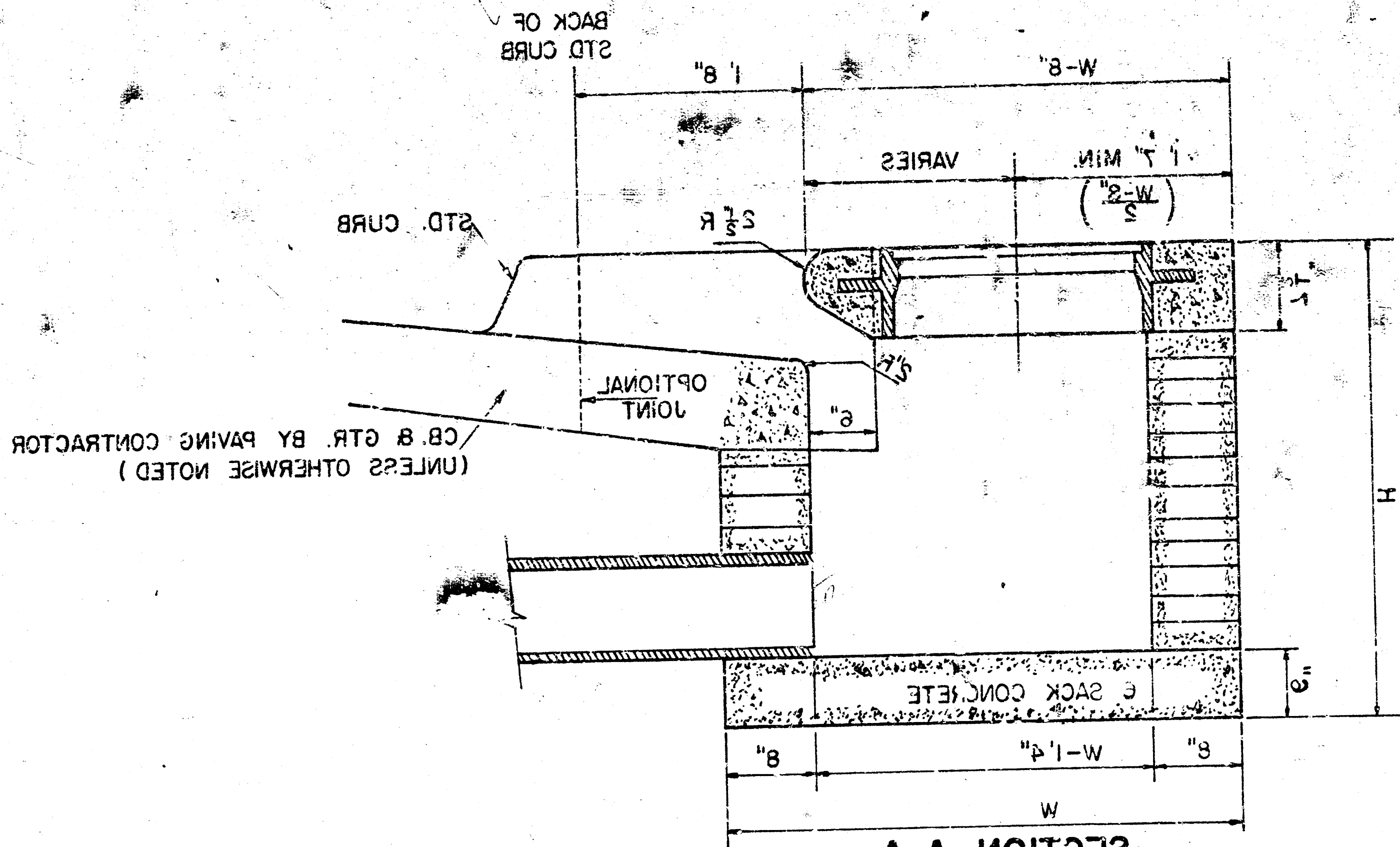
SECTION B-B
 (SCALE 3" = 1'-0")

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 FOR INLET TOPS
 AND FLOORS SHALL BE 6-SACK
 PAVING MIX.

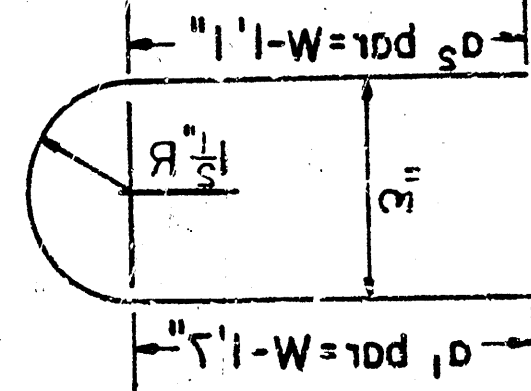
* GROSS VOLUME

W	PRE-CAST TOP SIZE	RPE SIZE	CON. CONC.
3.0"	3.0" x 5.0" x 1.5"	2.0" x 2.0"	0.45
4.0"	4.0" x 5.0" x 1.5"	2.0" x 2.0"	0.55
5.0"	5.0" x 5.0" x 1.5"	2.0" x 2.0"	0.65
6.0"	6.0" x 5.0" x 1.5"	2.0" x 2.0"	0.85

SECTION A-A
 (SCALE 1" = 1'-0")

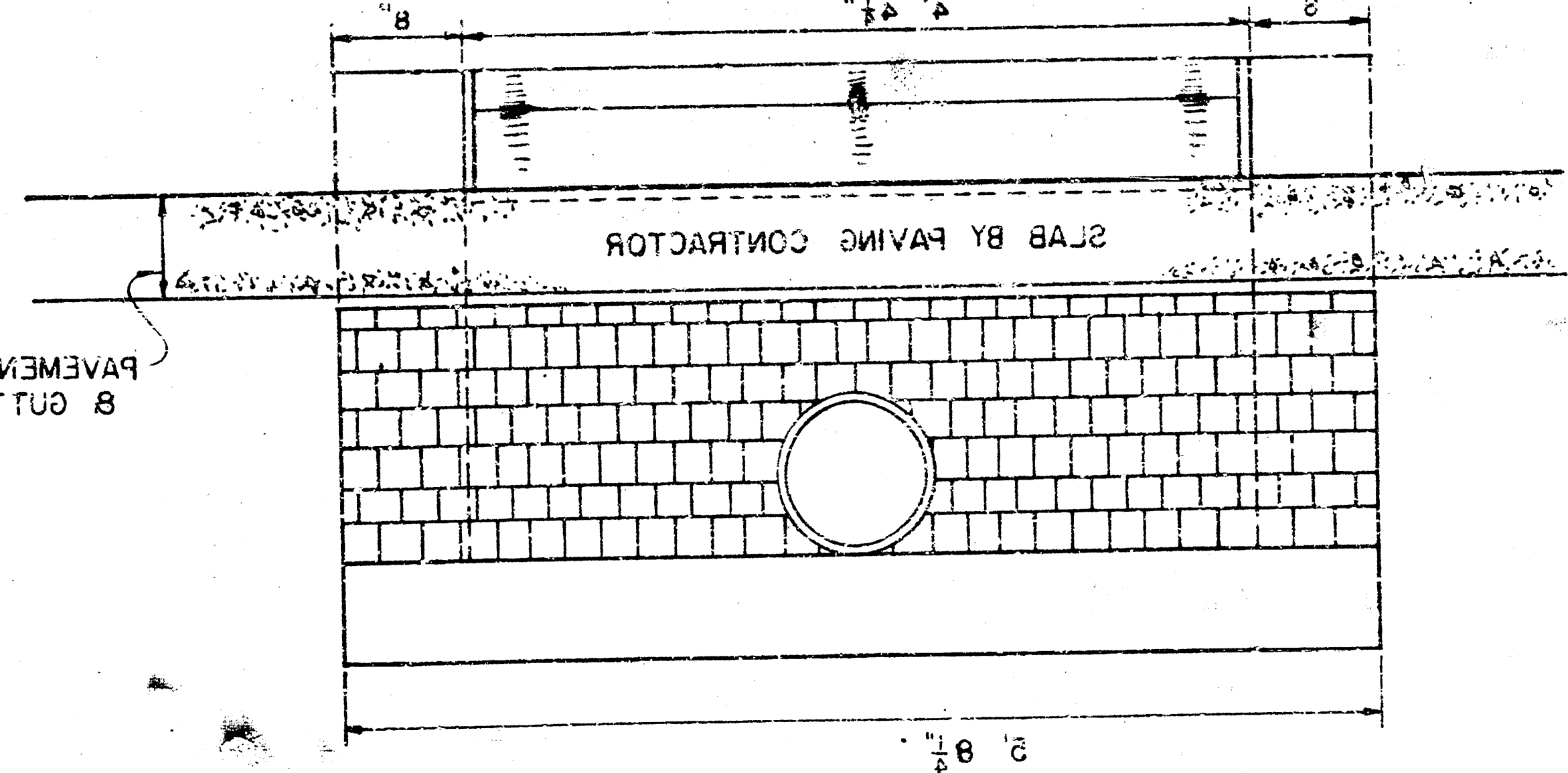


BENDING DIAGRAM



BRICK GRADE M2.
 DESIGNATION C33 FOR MANHOLE
 FOR TESTING AND MATERIALS
 REVISION OF THE AMERICAN SOCIETY
 SHALL CONFORM WITH THE LATEST
 BRICK FOR INLET CONSTRUCTION

PAVEMENT OR CURB
 8 GUTTER THICKNESS



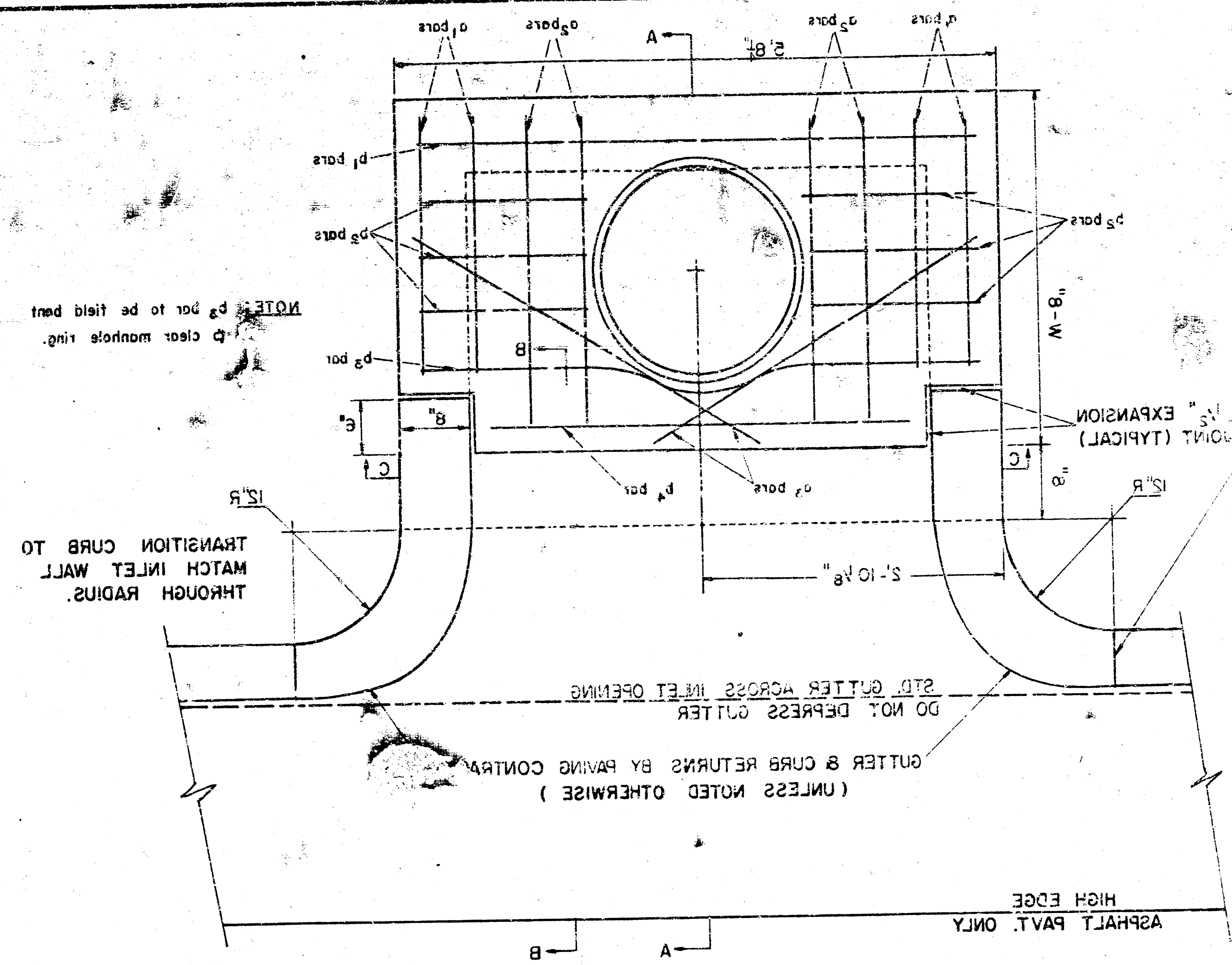
SECTION C-C
 (SCALE 1" = 1'-0")

NOTE: 6" BARS TO BE PLACED APPROX. 5" BELOW TOP OF INLET COVER.

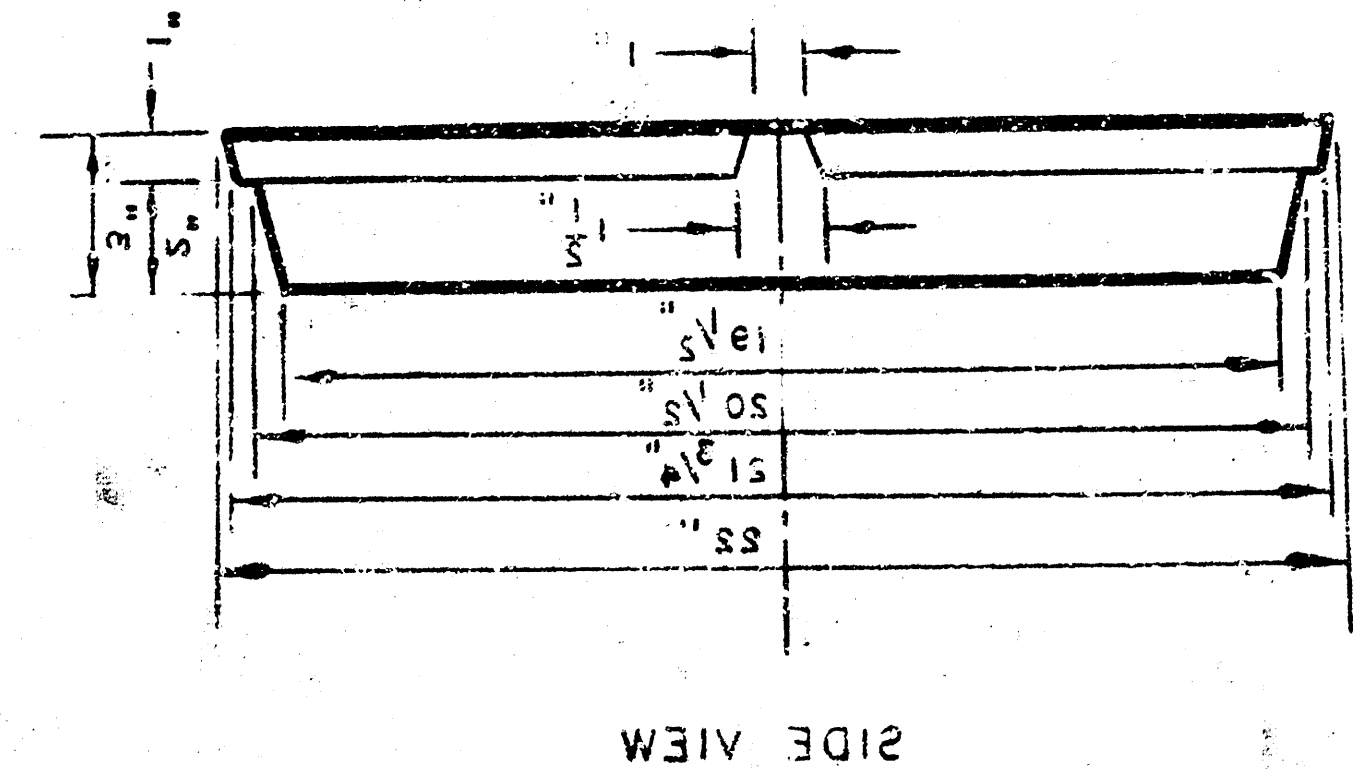
BAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

STEEL SCHEDULE

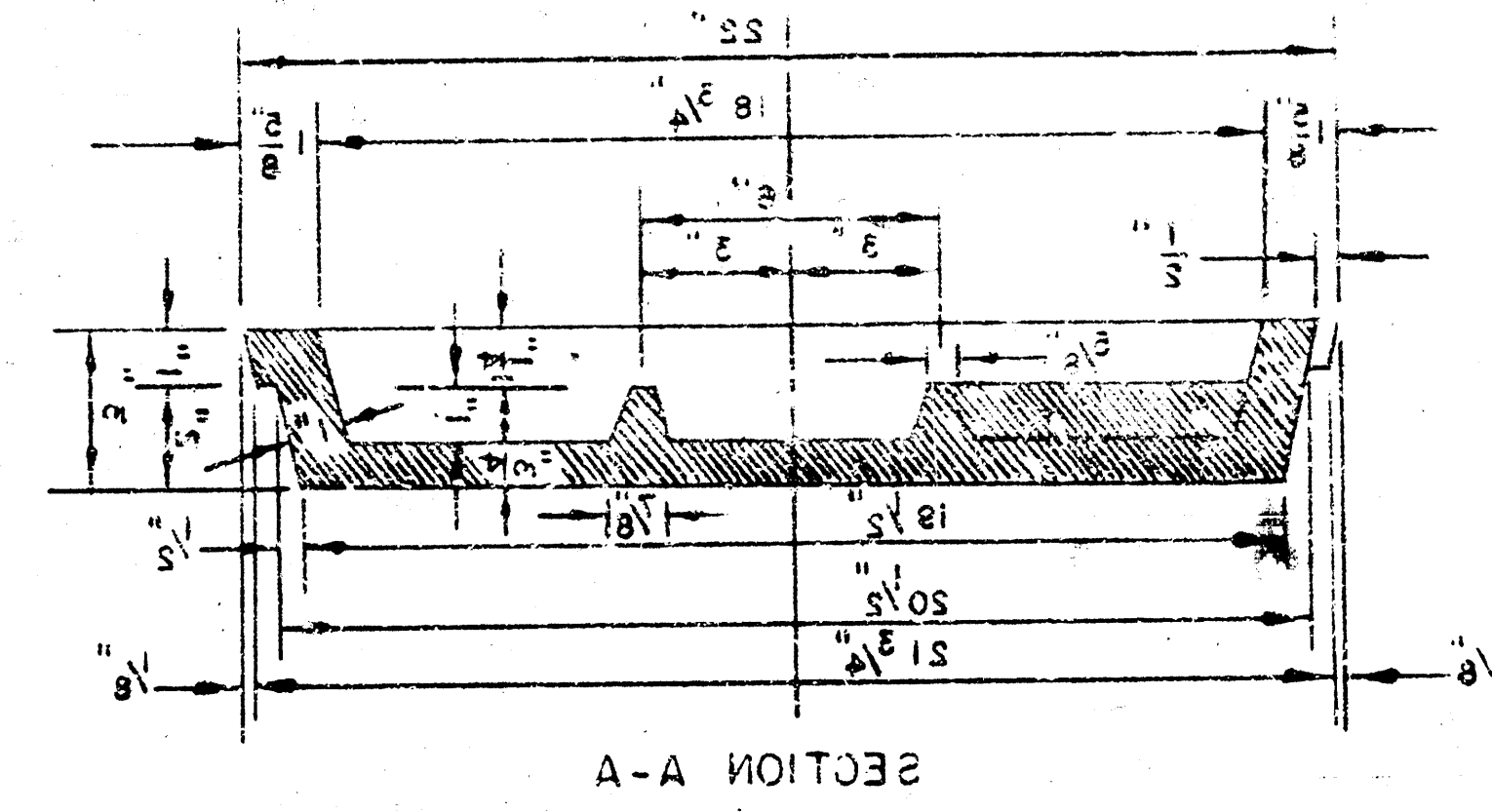
PLAN (SCALE: 1" = 1'-0")



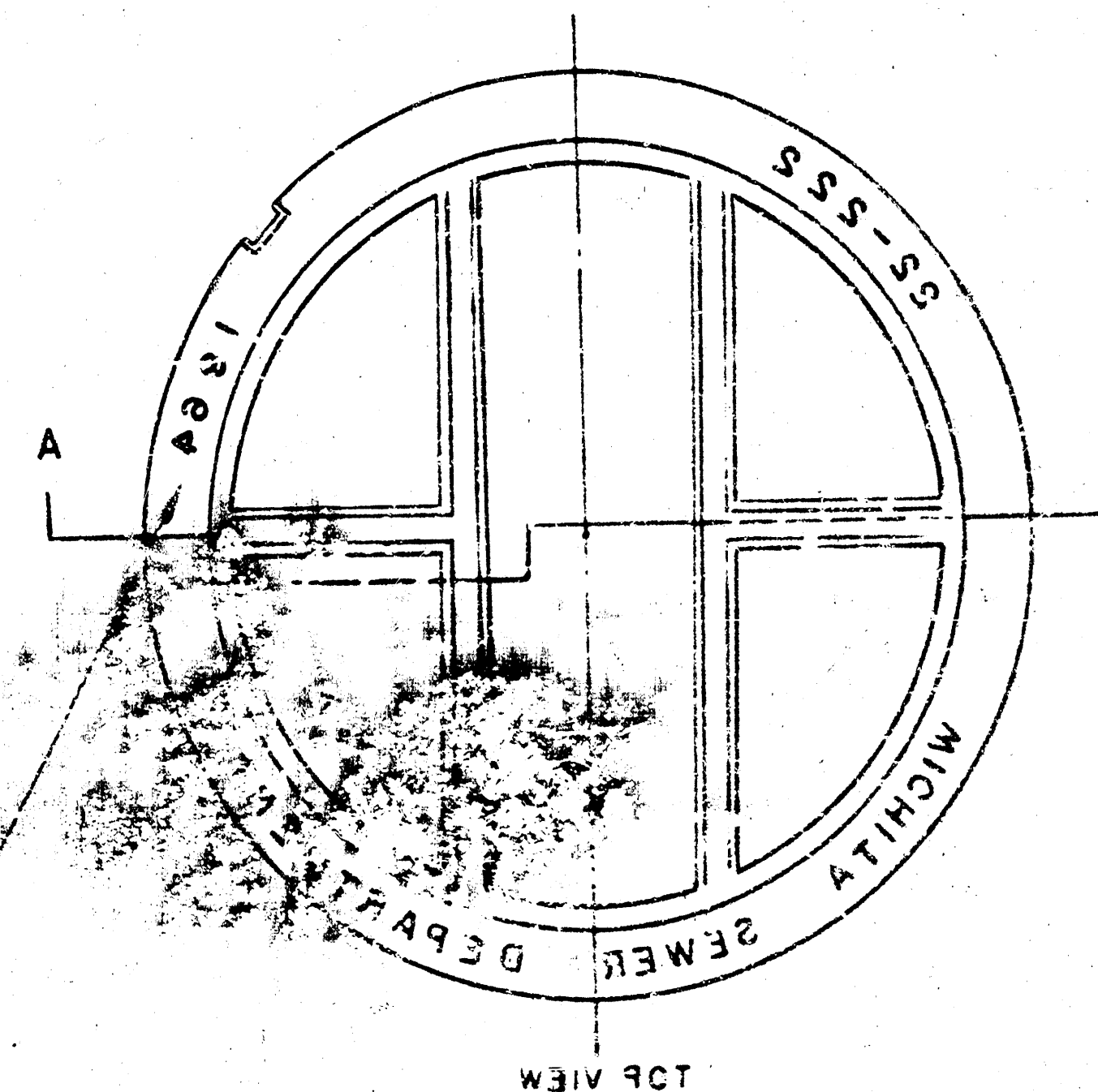
MANHOLES
 THE CONCRETE USED FOR MORTAR IN
 MANHOLES SHALL CONTAIN 8 SACKS OF
 CEMENT PER CUBIC YARD,
 STANDARD MANHOLES AND DROP
 MANHOLES, REGARDLESS OF DIAMETER,
 SHALL BE BID AT ONE PRICE AS
 STANDARD MANHOLES.
 SINGLE OR DOUBLE OUTSIDE
 DROP MANHOLES SHALL BE BID AT ONE
 PRICE AS OUTSIDE DROP MANHOLES.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



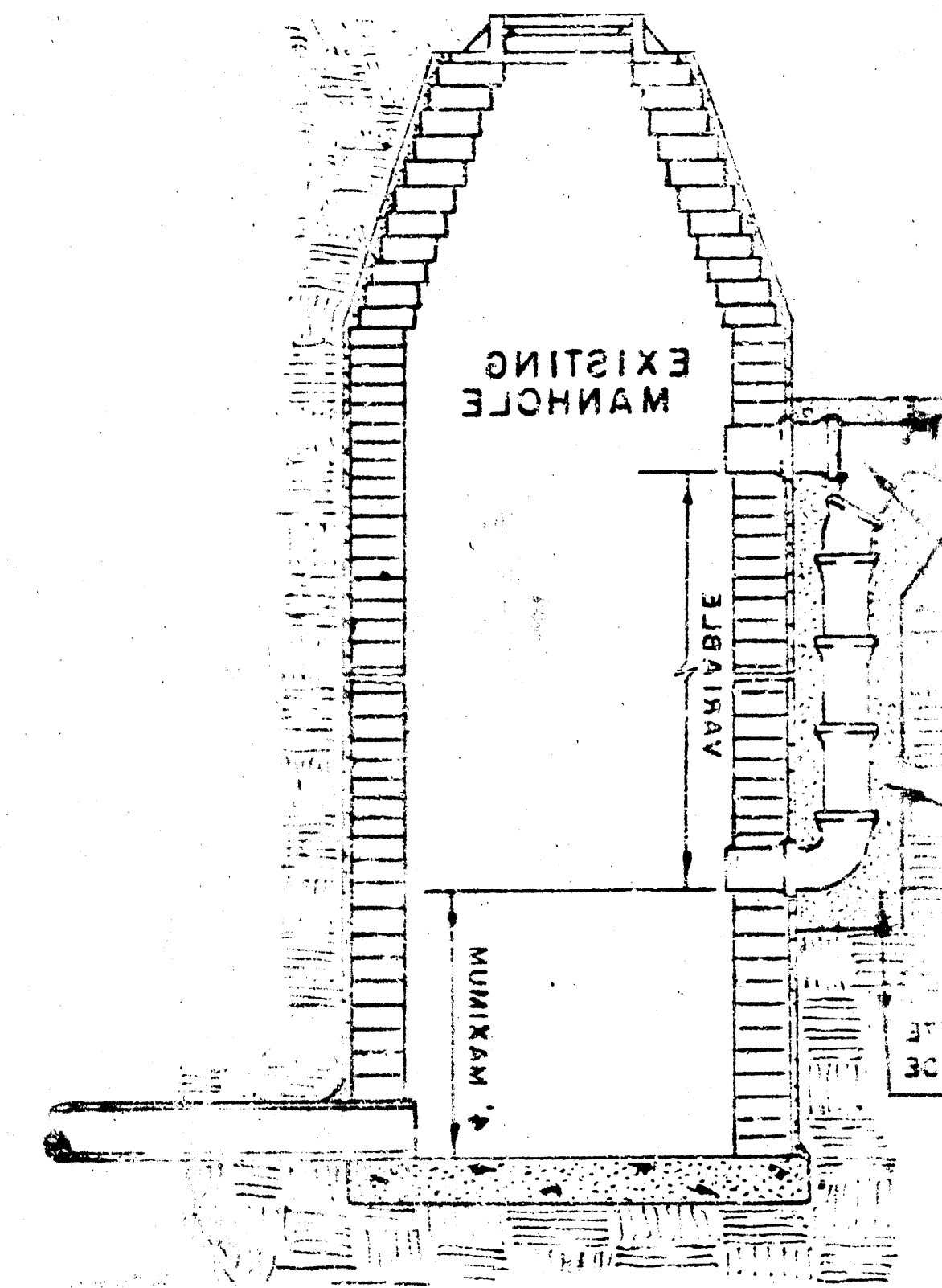
MANHOLE COVER
 SIDE VIEW



MANHOLE COVER
 SECTION A-A

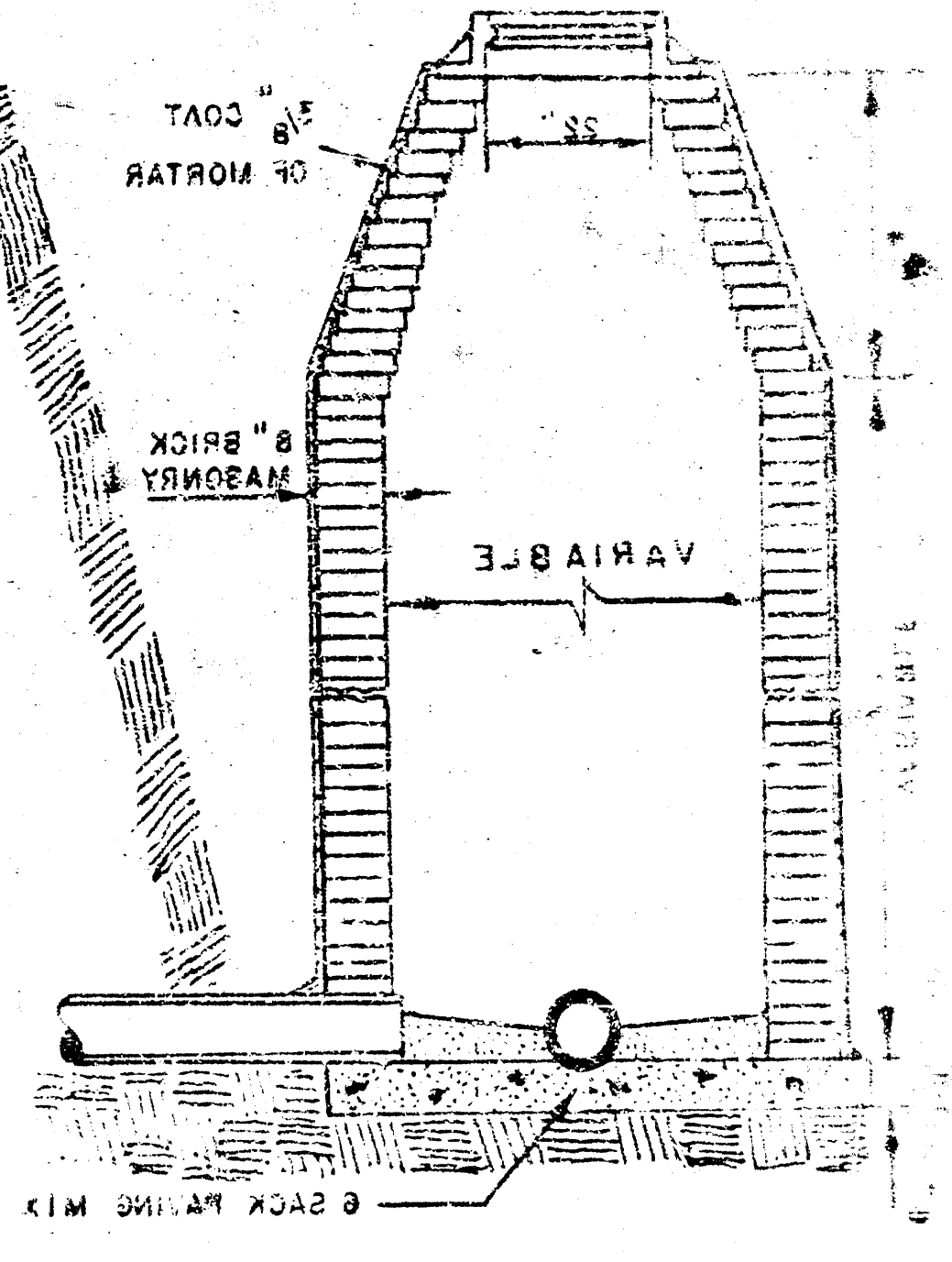


MANHOLE COVER
 TOP VIEW
 WEIGHT 110 LBS

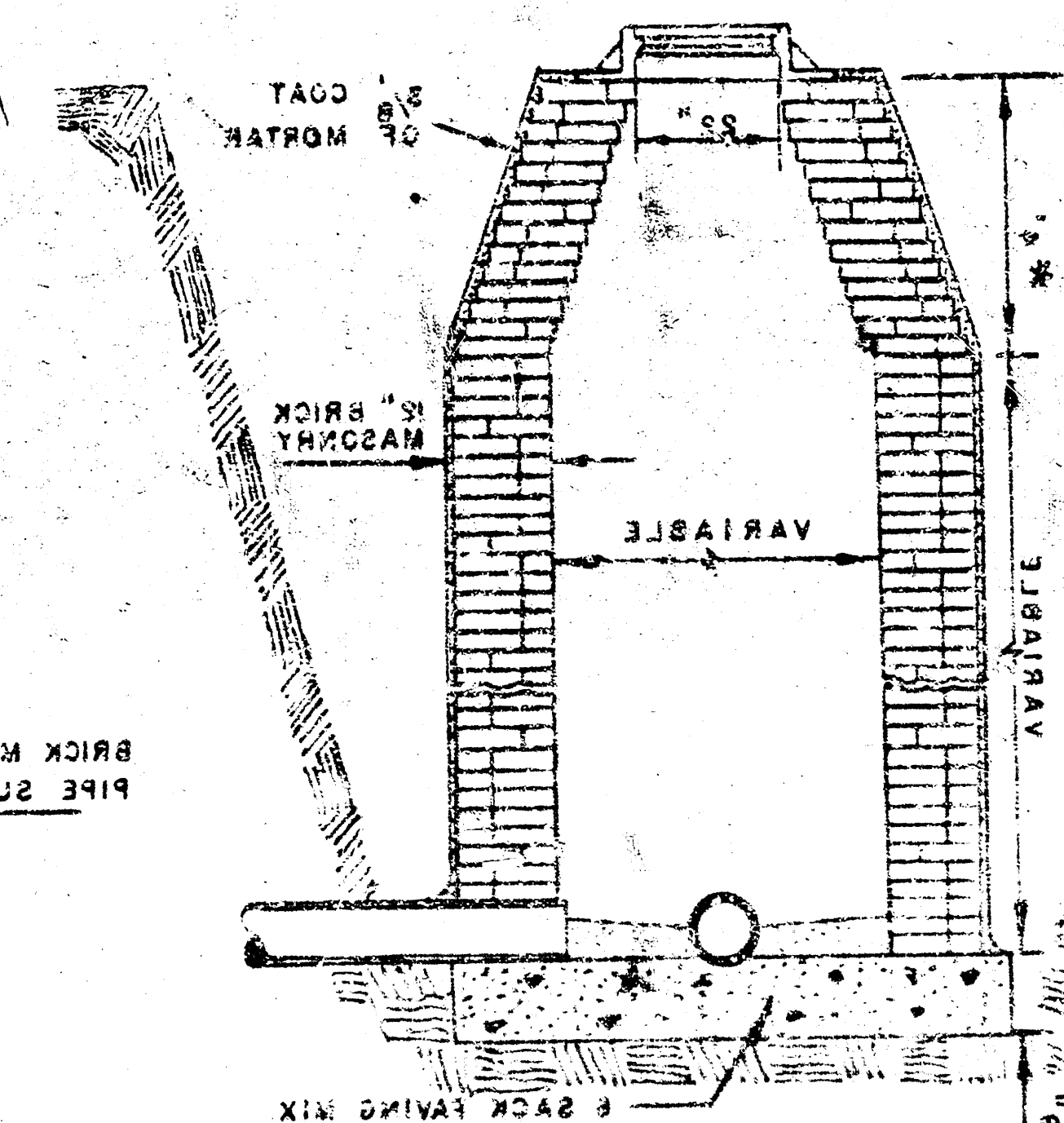


DETAIL OF DROP STACK
 FOR EXISTING MANHOLES IN GROUND WATER

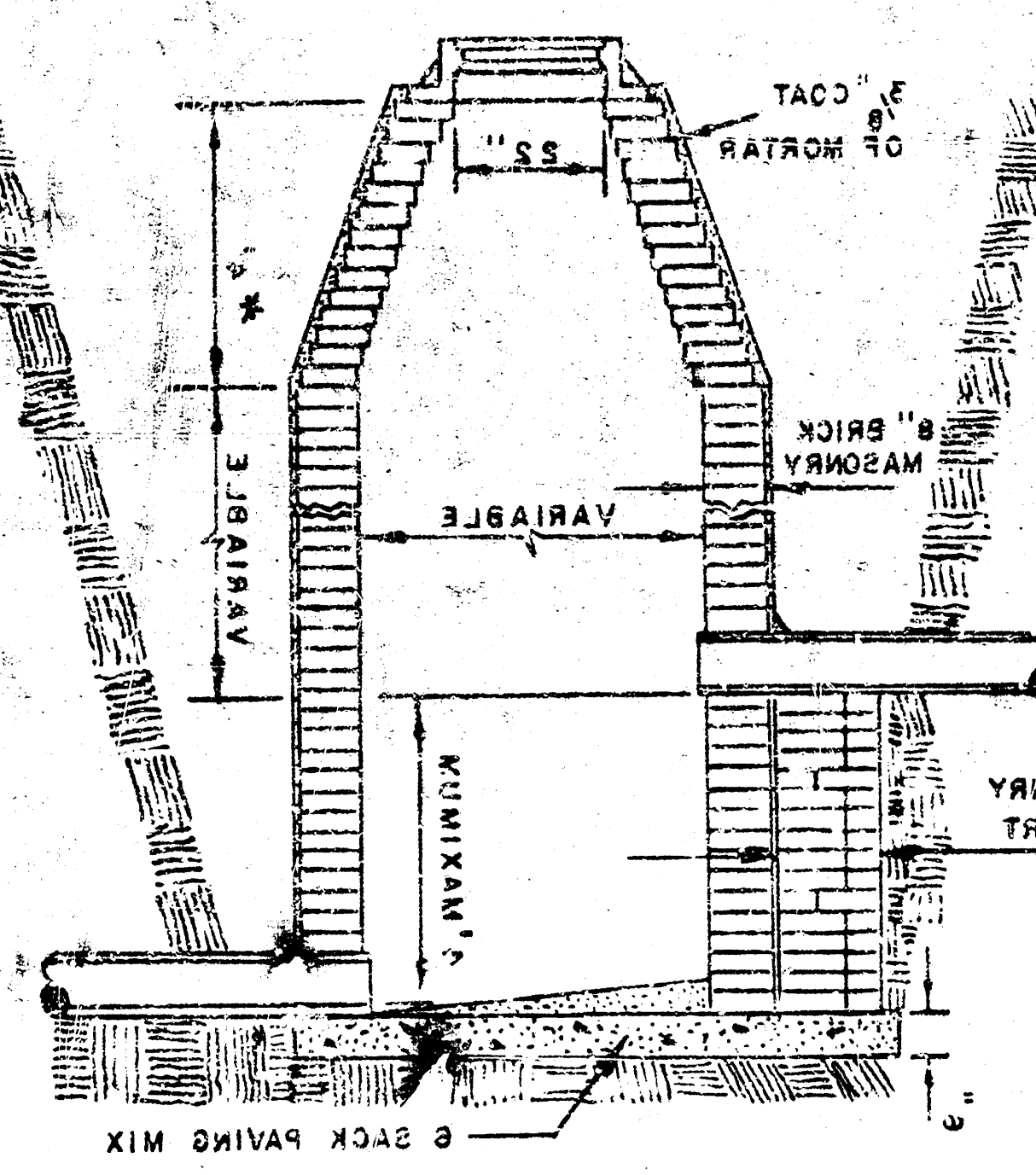
STANDARD MANHOLE
 TYPE "A"



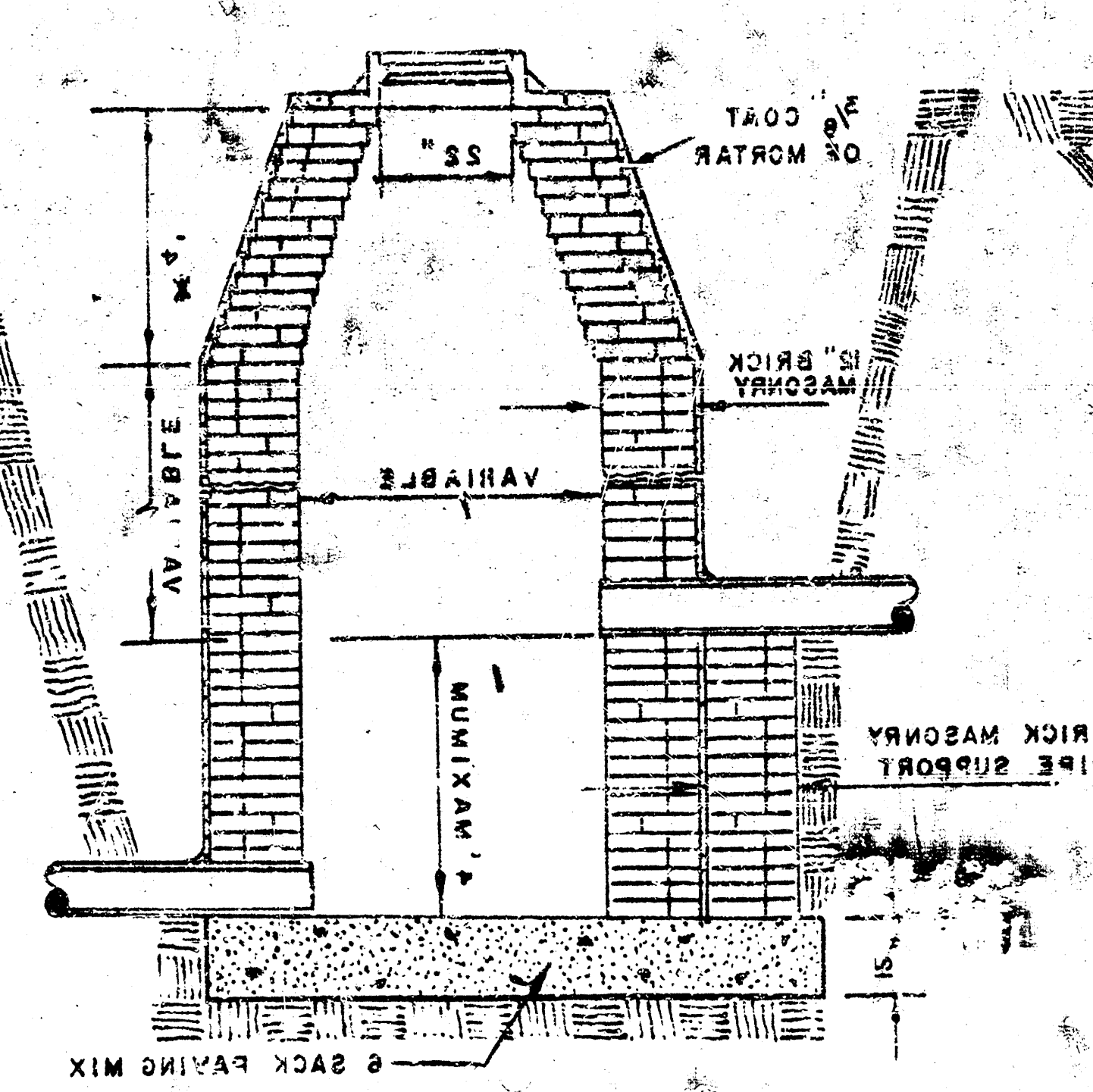
STANDARD MANHOLE
 TYPE "B"



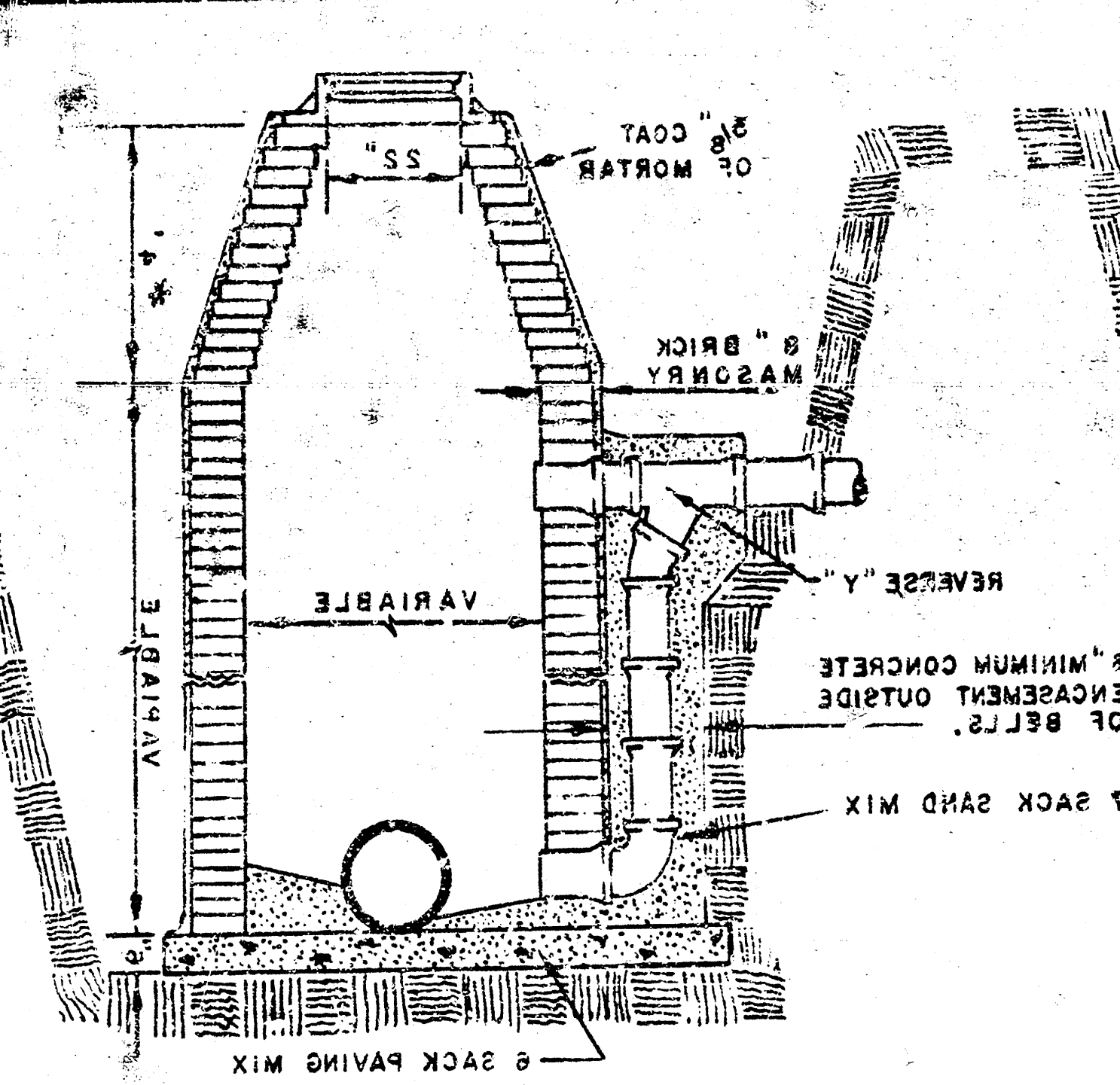
DROP MANHOLE
 TYPE "A"



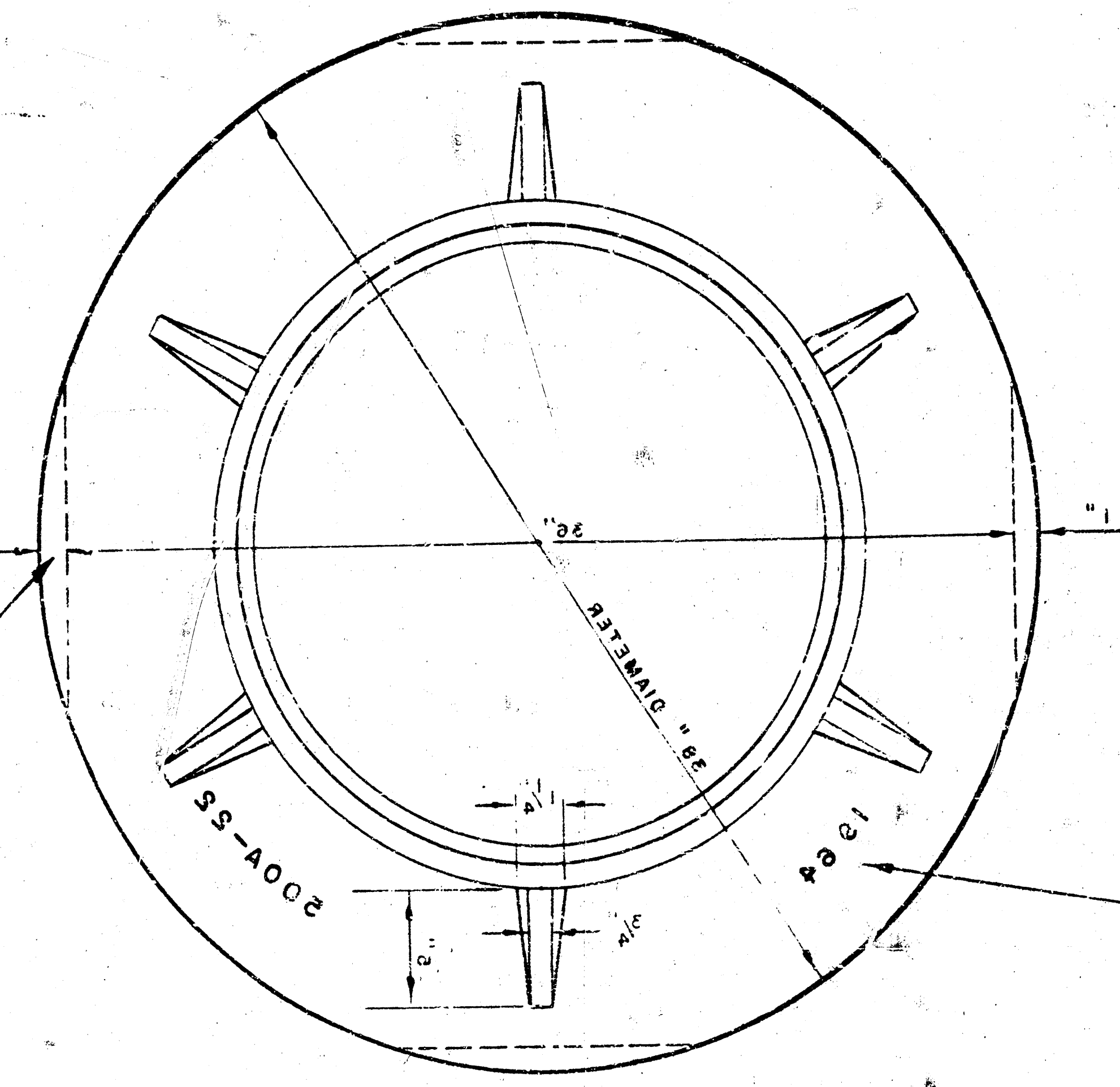
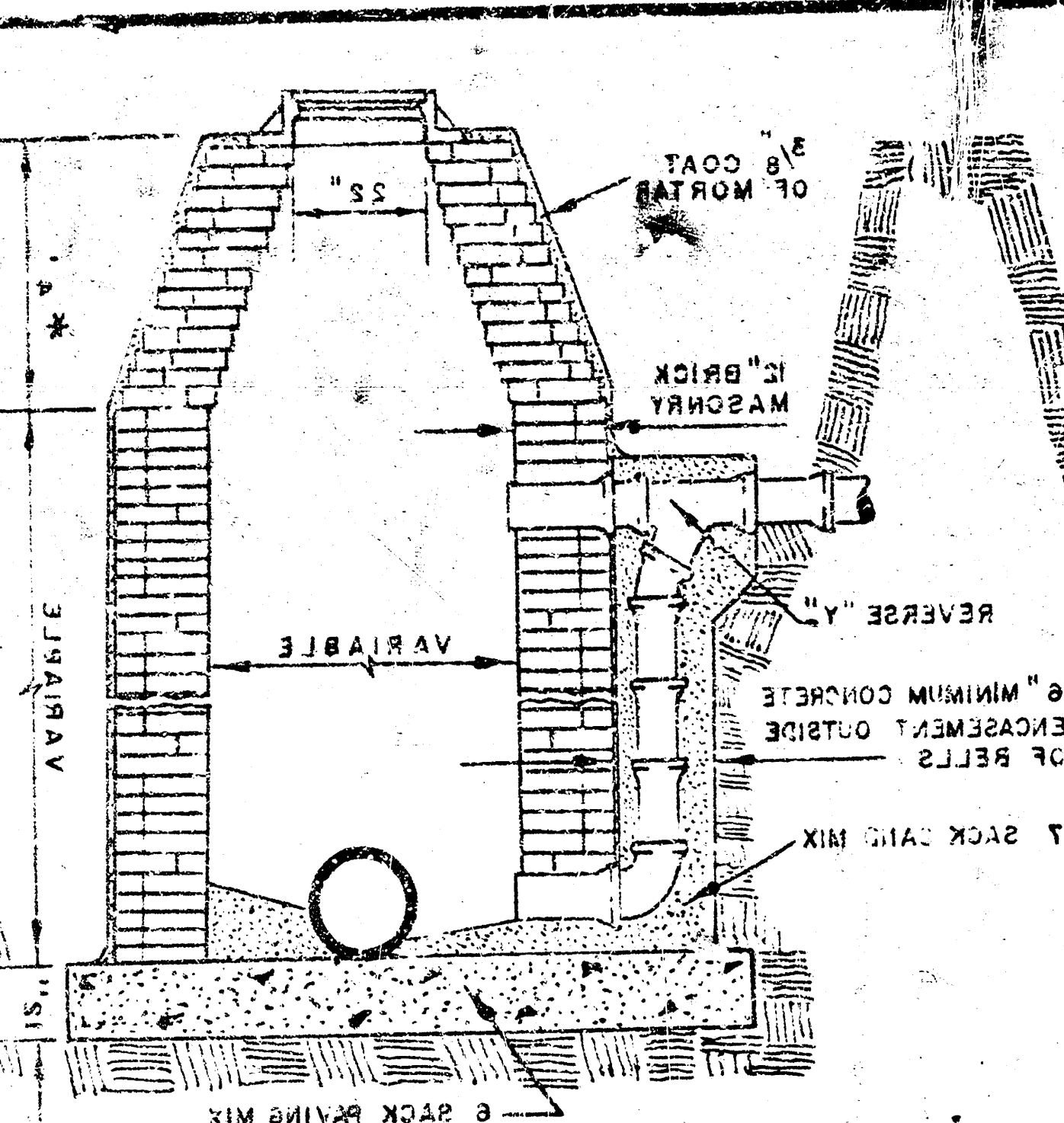
DROP MANHOLE
 TYPE "B"



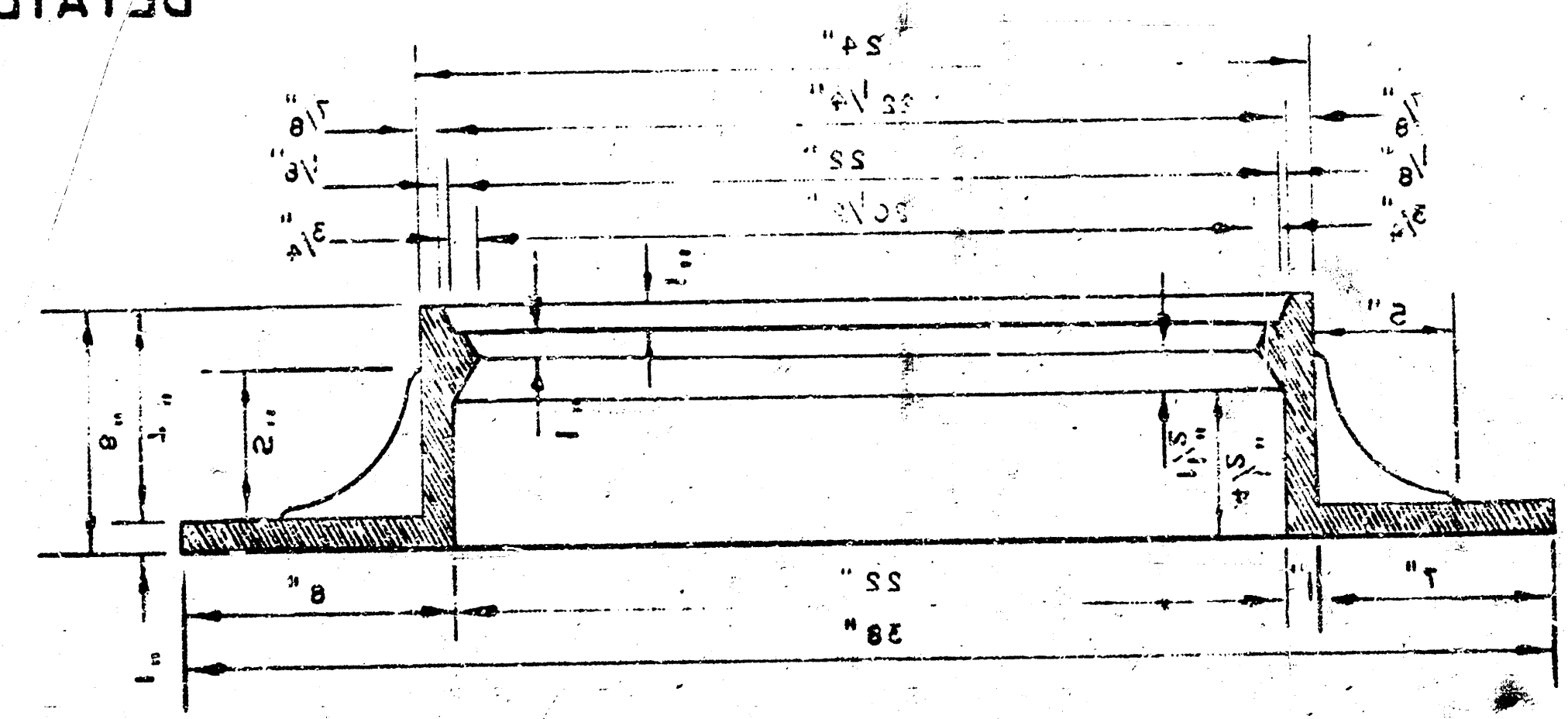
OUTSIDE DROP MANHOLE
 TYPE "A"



OUTSIDE DROP MANHOLE
 TYPE "B"

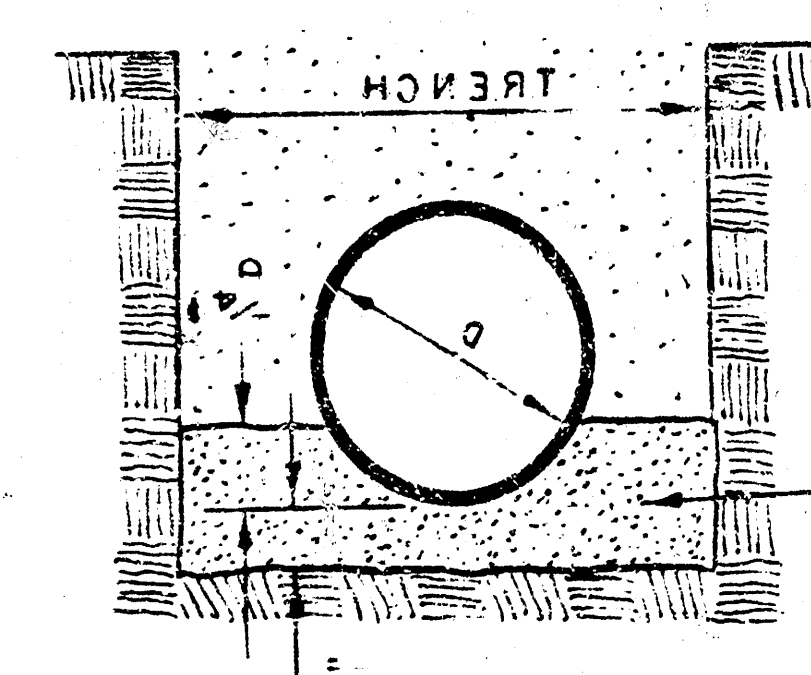


MANHOLE RING
 TOP VIEW
 WEIGHT 255 LBS

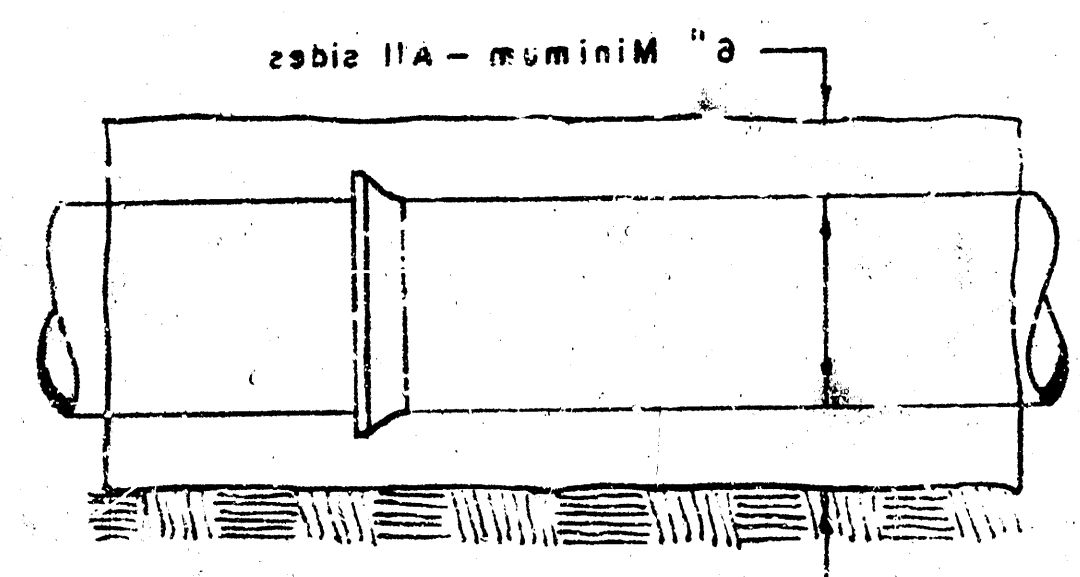


MANHOLE RING
 SECTION

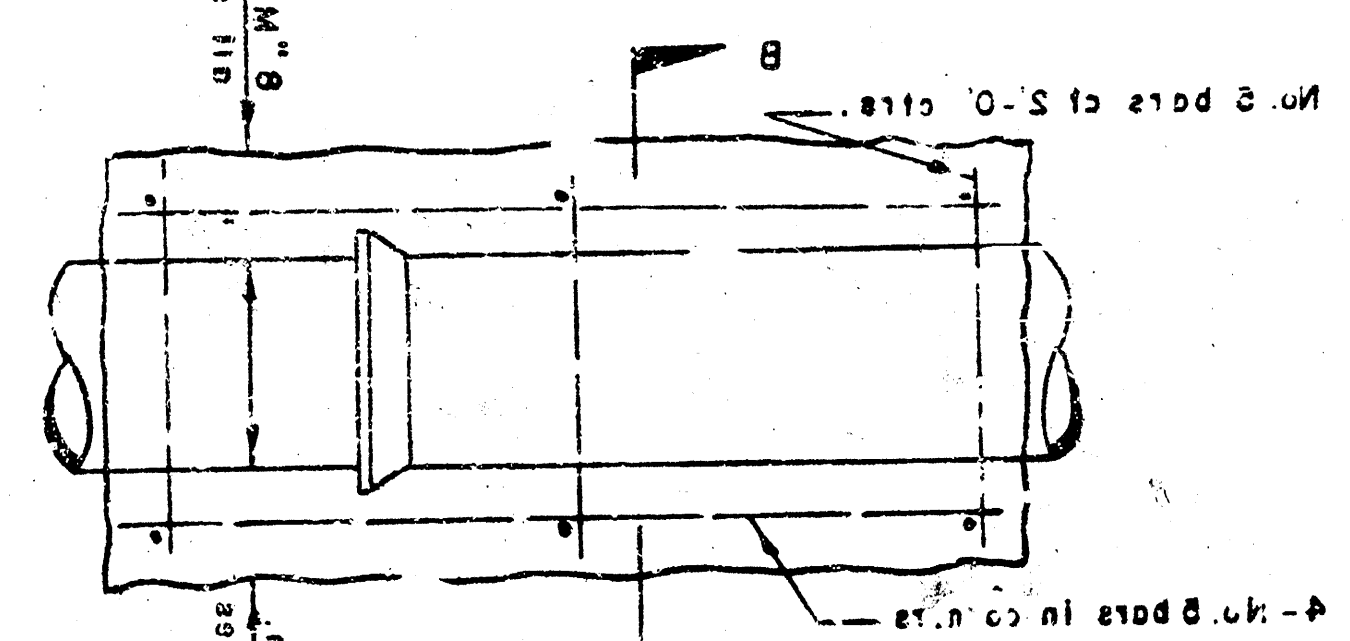
OUTSIDE CIRCUMFERENCE OF COVER
 AND THE INNER FACE AND SEAT OF
 RING TO BE MACHINE FIT.



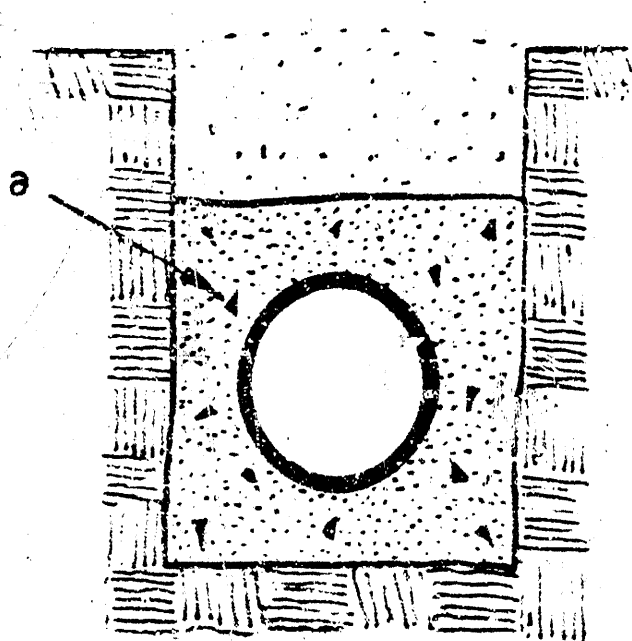
DETAIL OF CONCRETE CRADLE



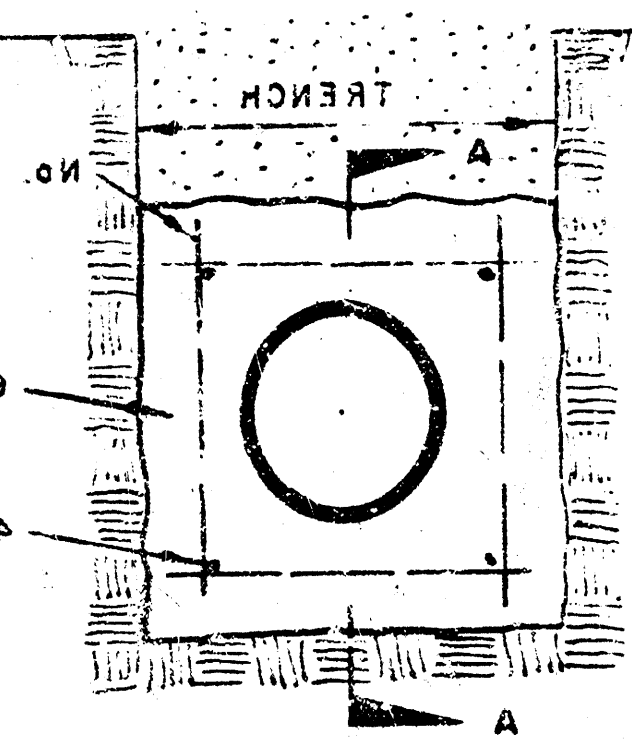
CONCRETE ENCASMENT
 FOR COVER



REINFORCED CONCRETE ENCASMENT
 FOR STRENGTH

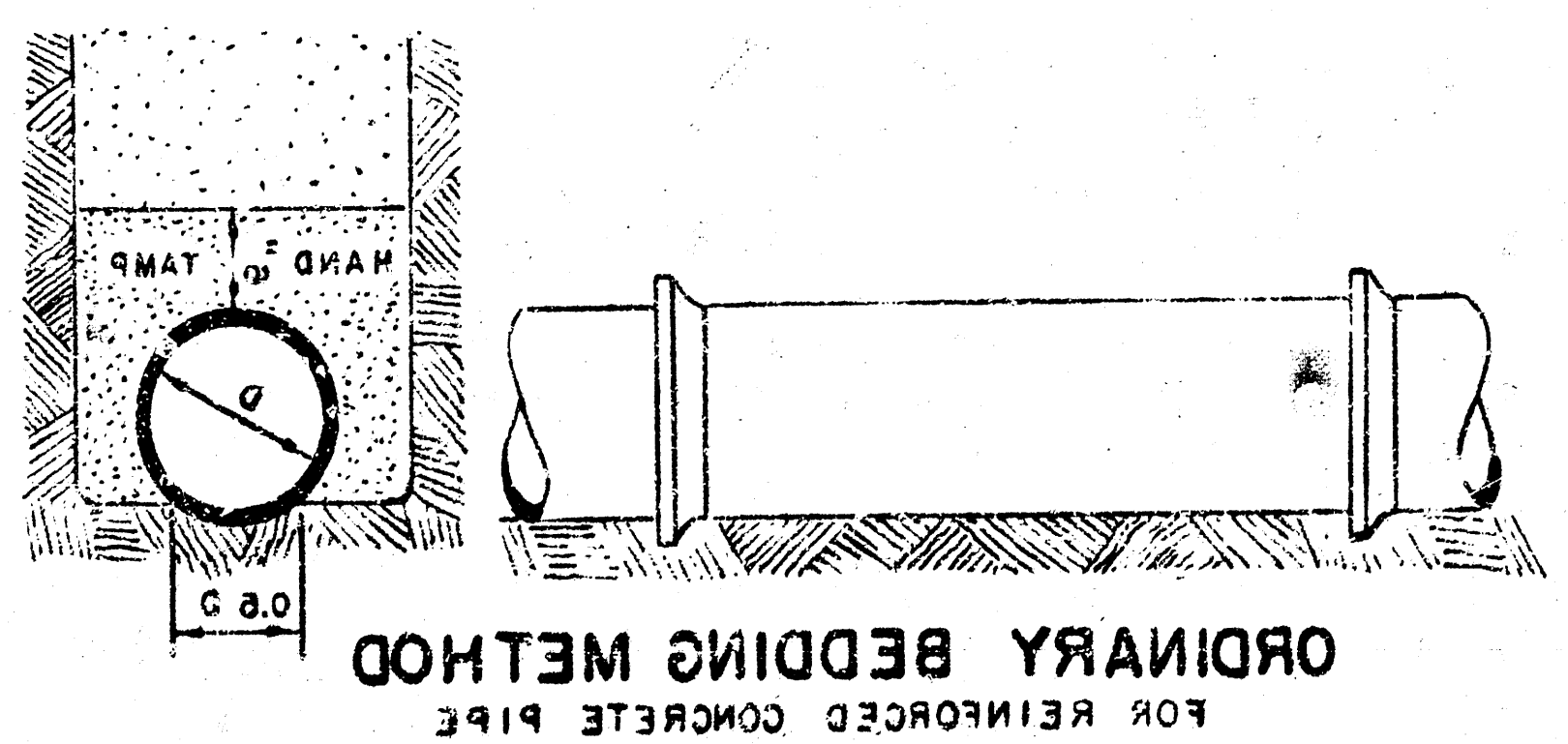


CONCRETE ENCASMENT

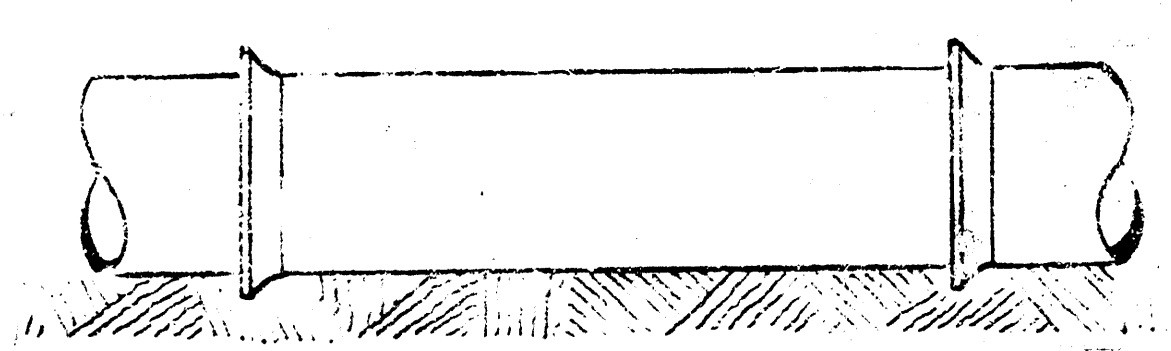


* DRAW = 6' ON 2' DIA. M.H.

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



ORDINARY BEDDING METHOD
 FOR REINFORCED CONCRETE PIPE



ORDINARY BEDDING METHOD
 FOR CLAY PIPE