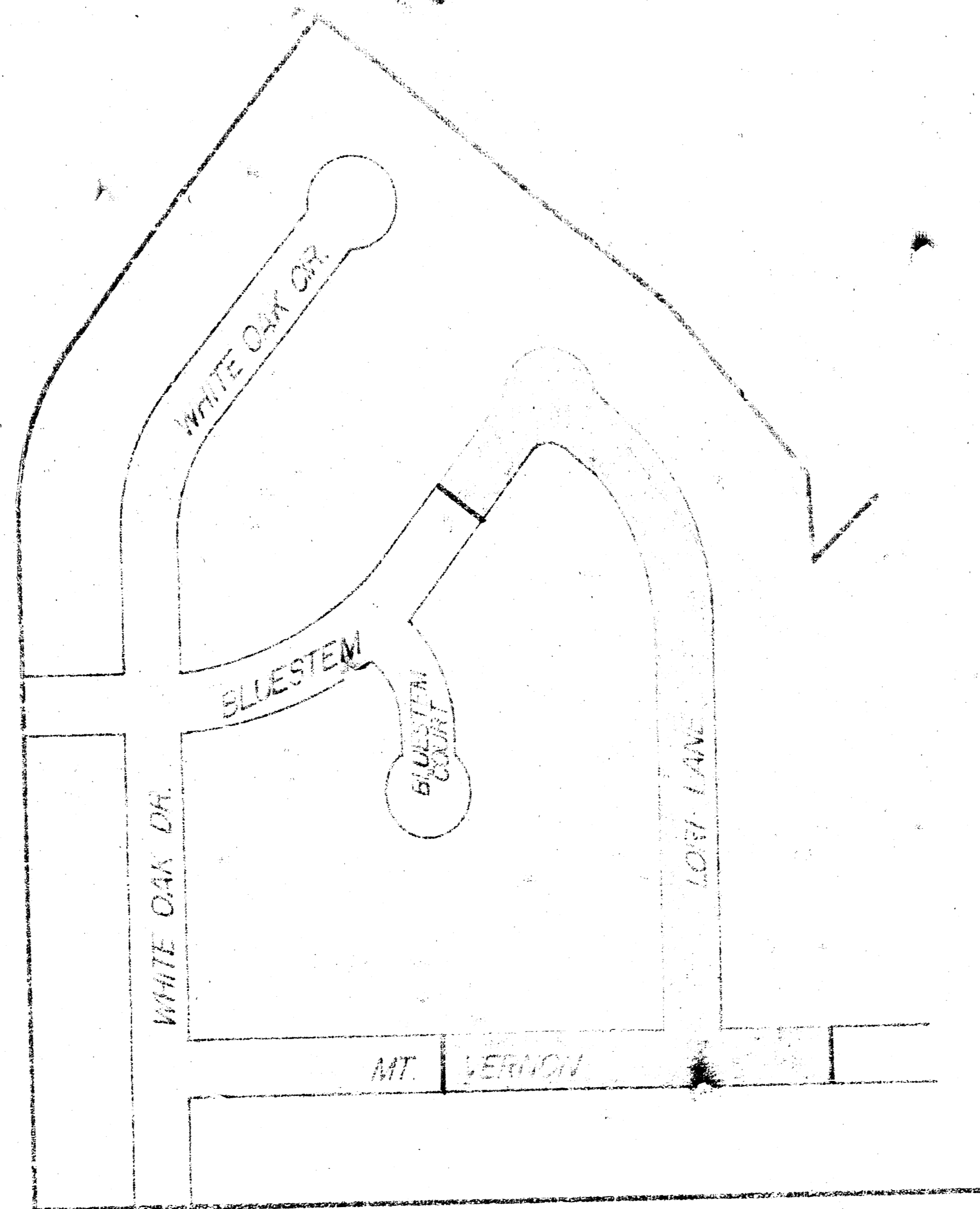
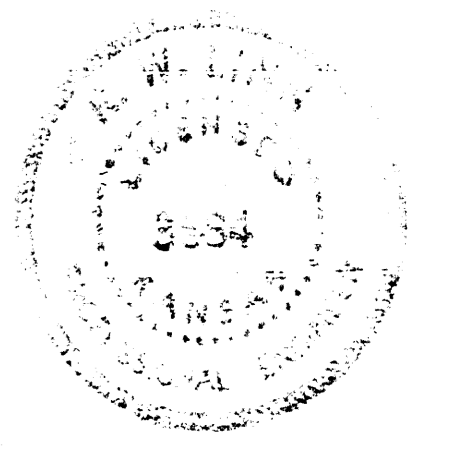
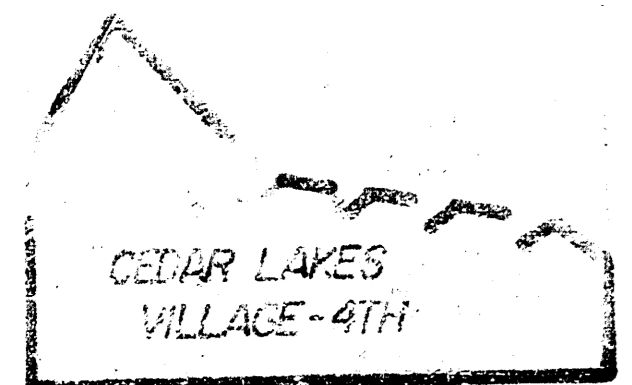


CEDAR LAKES VILLAGE - 4TH ADDITION
PROJECT NO. DAKS 575088

BLUESTEM - E.L. LOT 21, BLK. 3 TO 6 INCLUDING CUL-DE-SAC
LORI LANE - N.L. MT. VERNON TO S.L. BLUESTEM
MT. VERNON - E.L. LOT 4, BLK. 4 TO E.L. LOT 36, BLK. 3

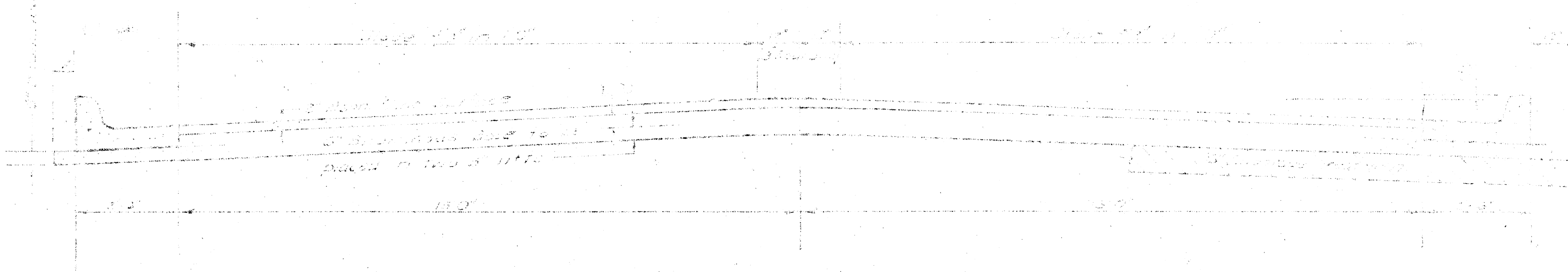


CITY OF WICHITA
R.W. LINN - CITY ENGINEER



CEDAR LAKES VILLAGE - 4TH ADDITION

BLUESTEM - E.L. LOT 21, BLK 3, TO E INCLUDING CUL.-DE-SAC.
 LORI LANE - N.L. MT. VERNON TO S.L. BLUESTEM.
 MT. VERNON - E.L. LOT 4, BLK. 4, TO E.L. LOT 36, BLK. 3.



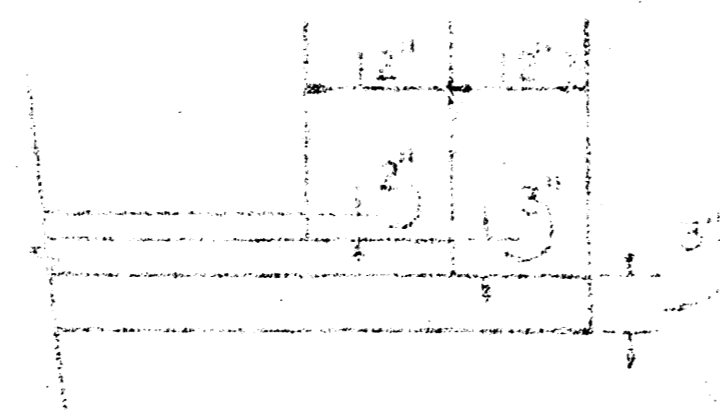
TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.08 GALLONS PER 100 LB 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 CAPTAIN MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PREVIOUS LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN REMOTE BASE MOVEMENTS AT LOCATIONS WHERE PAVEMENT TERMINATES IN ORDER TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

DEPT. OF PUBLIC SAFETY

DEPARTMENT OF PUBLIC SAFETY - ENGINEERING

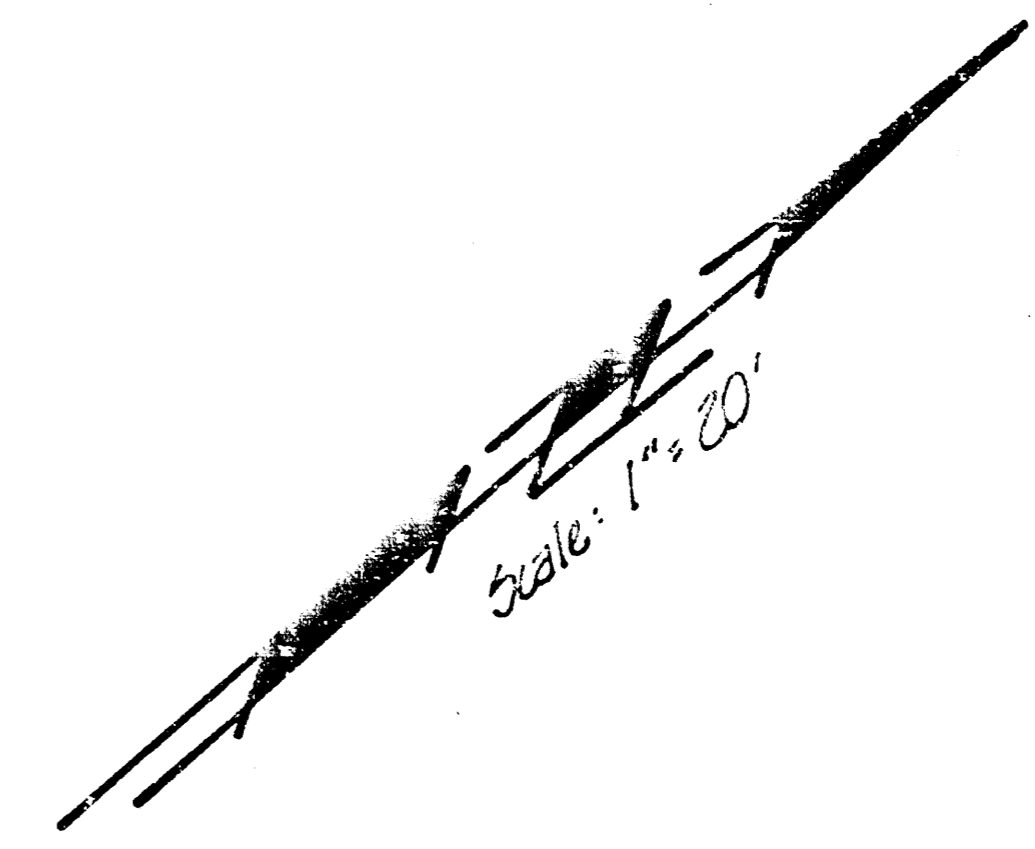
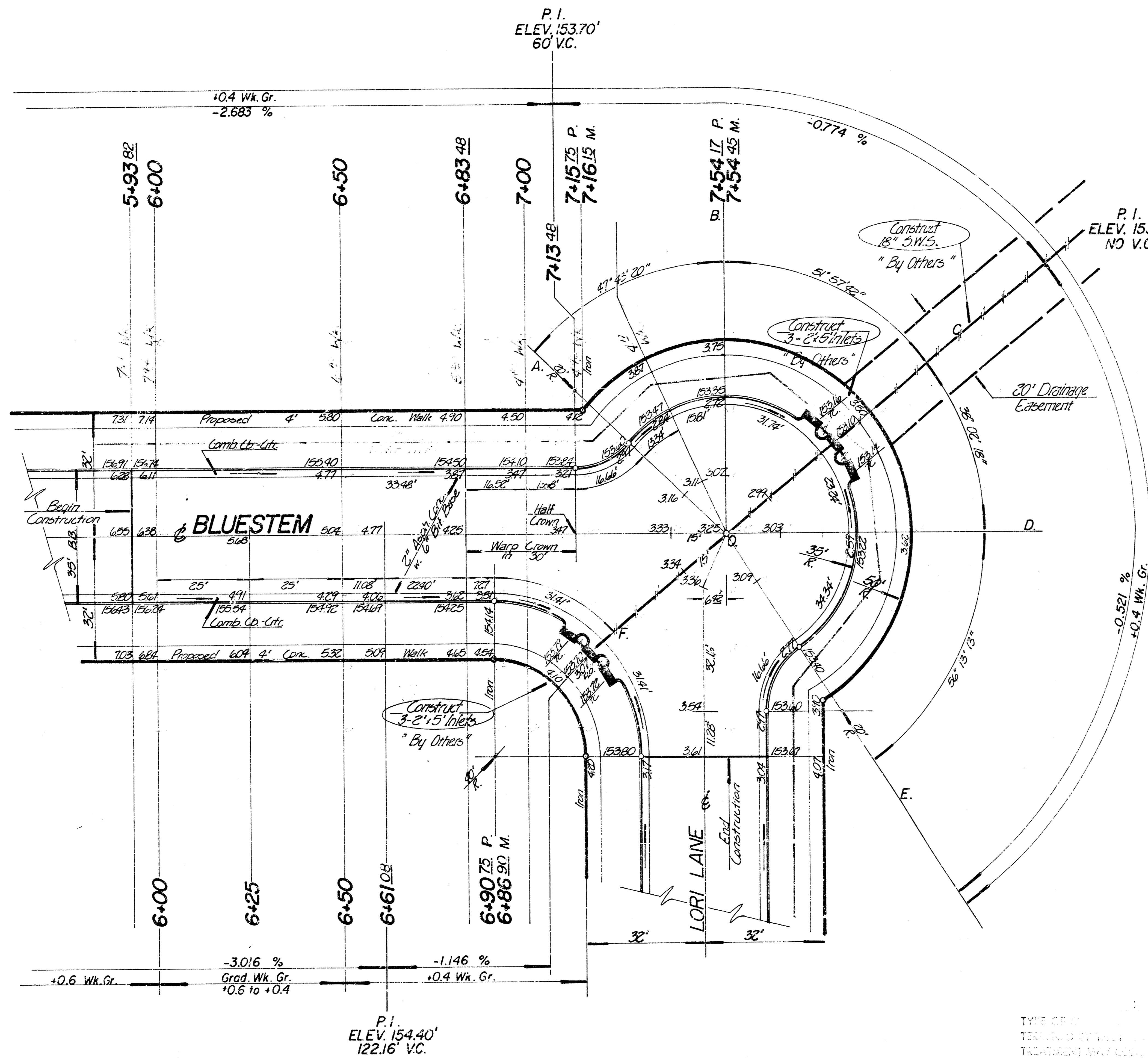
DATE *12/1/88* BY *[Signature]*

DAKS 575088

5/10

B.M. 159.12' R.R. Spk. N.-Face P.P. 7' E. of W.L. White Oak
126' S. of S.L. Mt. Vernon.

B is C Bluestem.



Note: Pavement Contractor to Coordinate Construction w/ S.W.S. Construction.

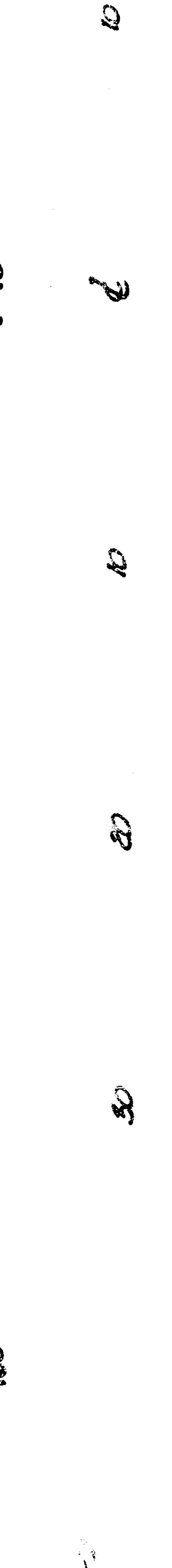
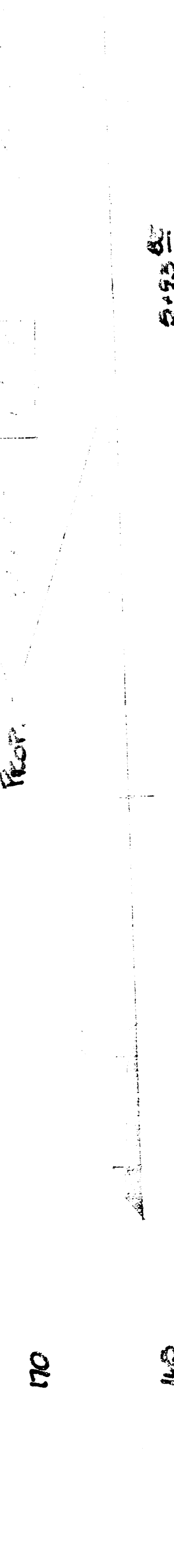
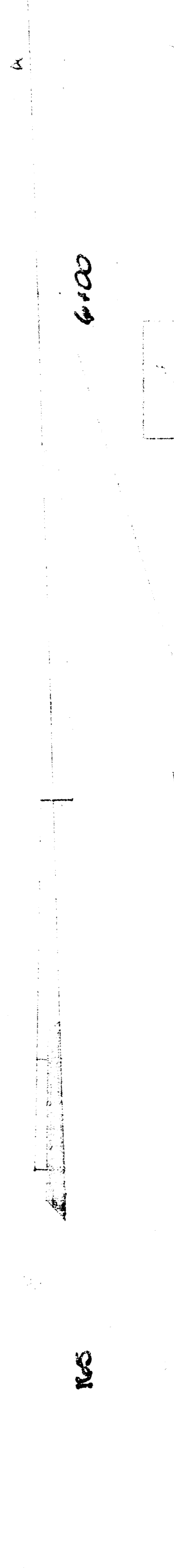
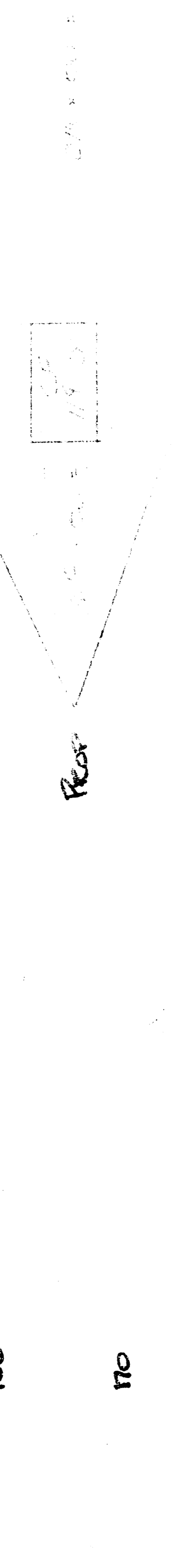
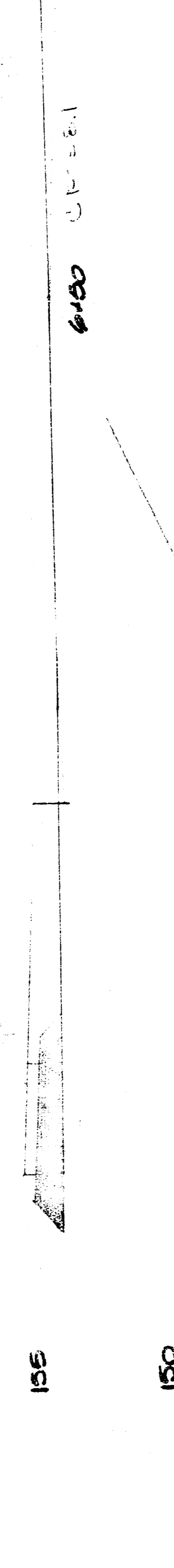
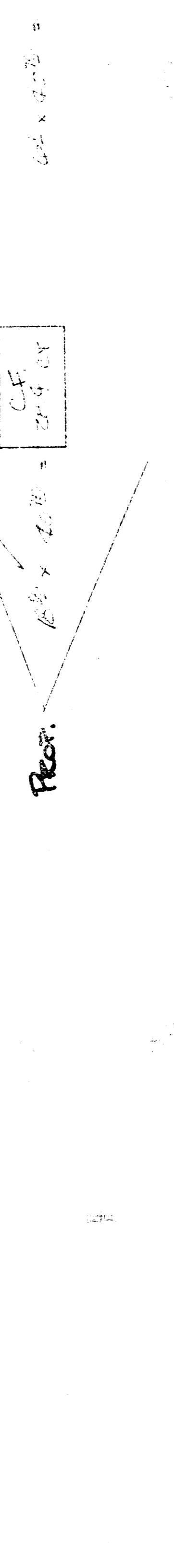
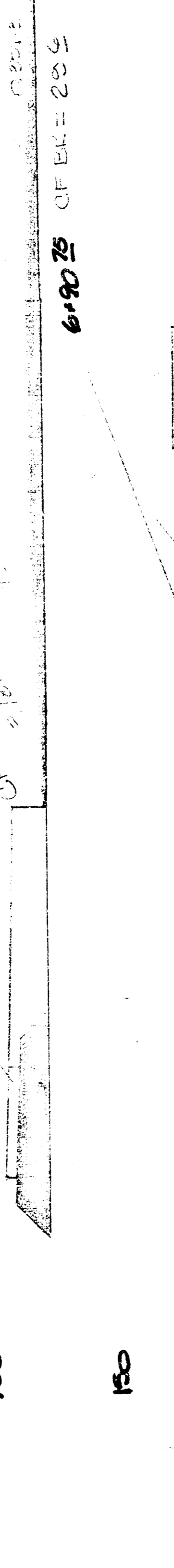
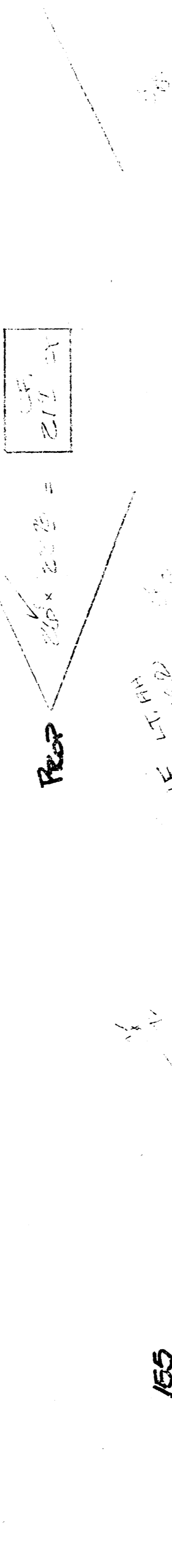
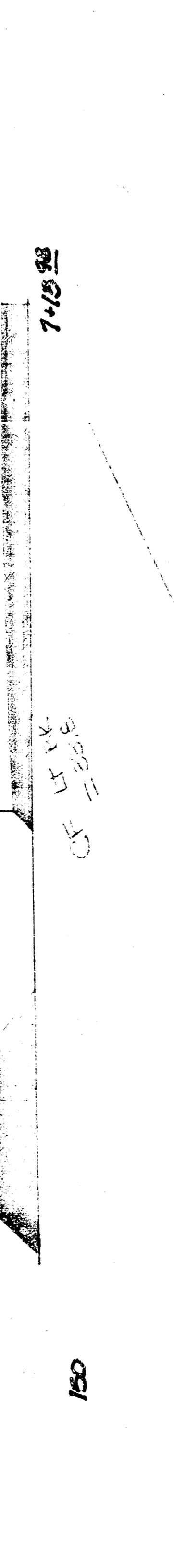
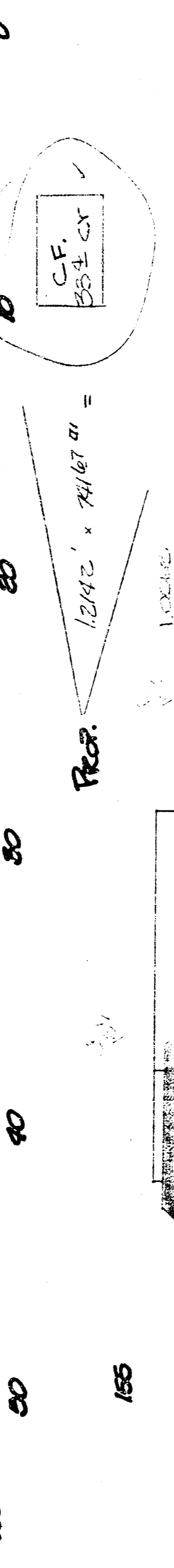
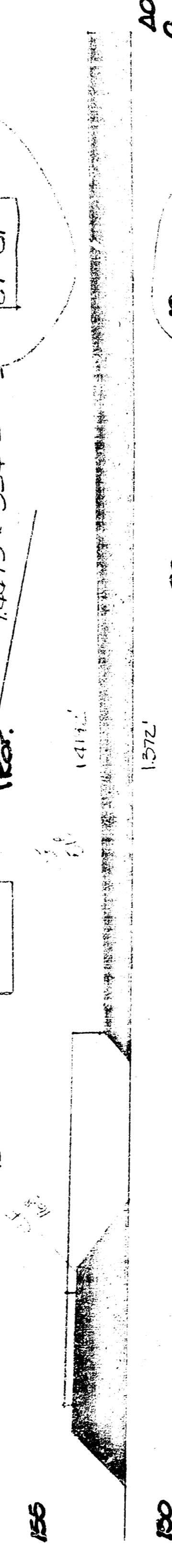
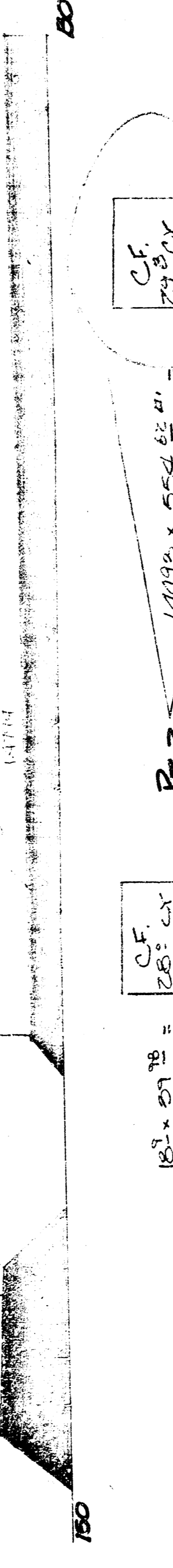
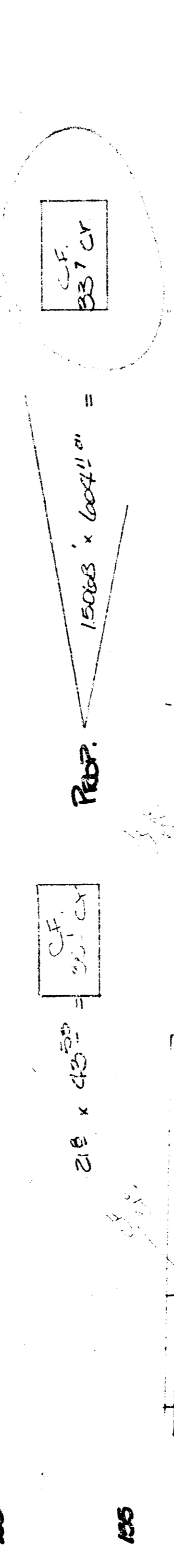
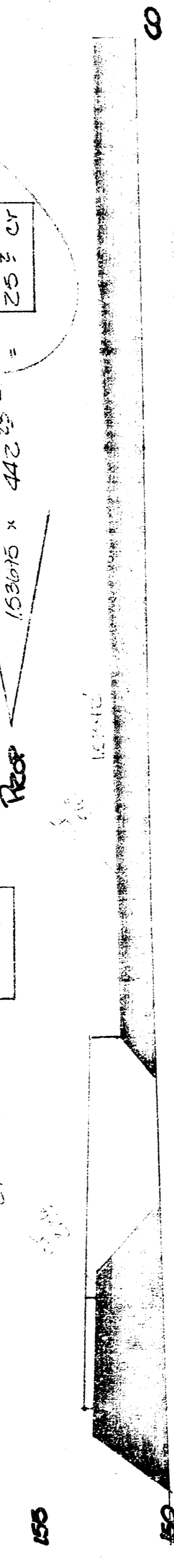
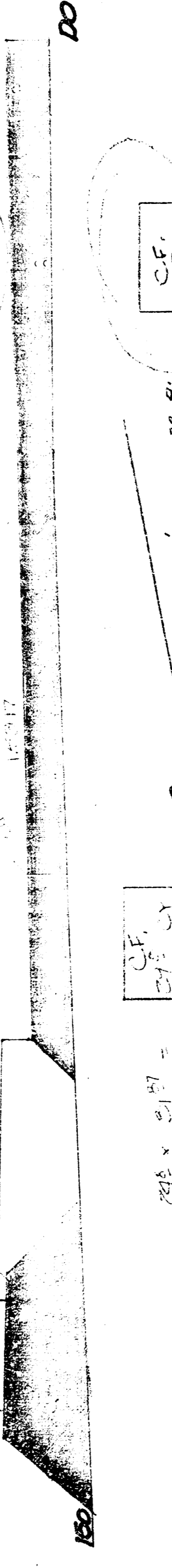
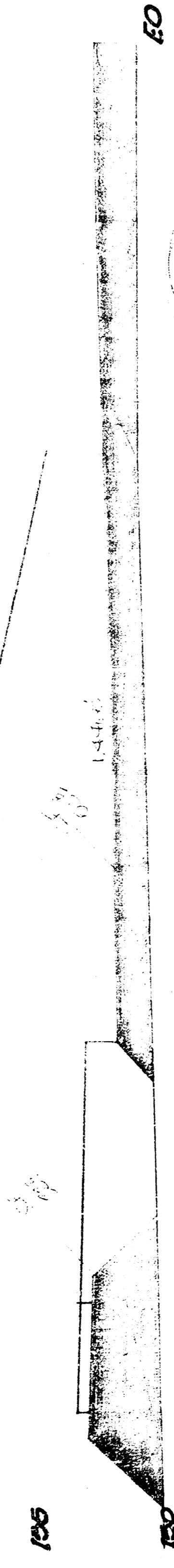
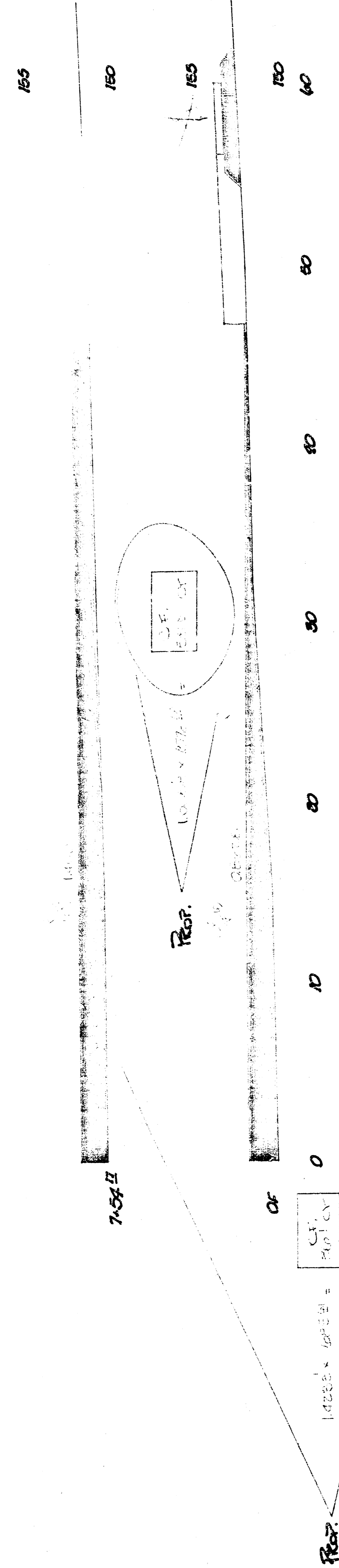
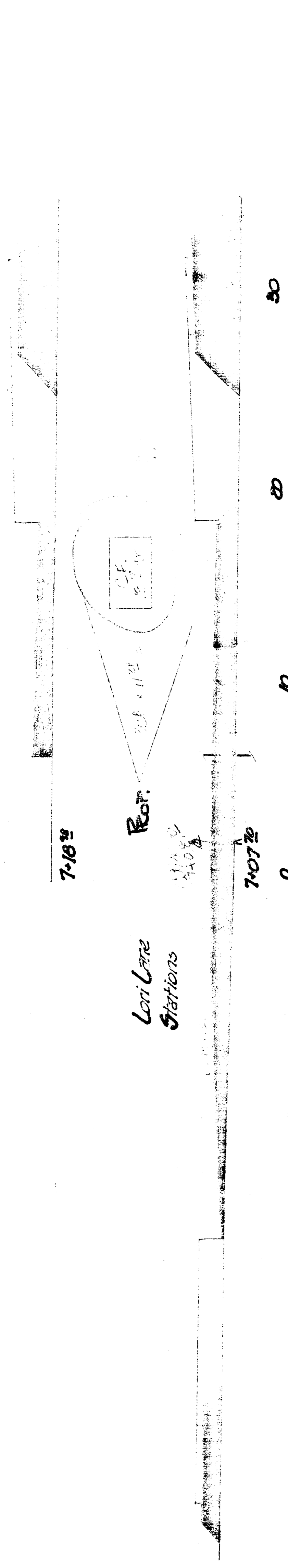
Property		Earthwork Quantities		City	
Excavation = 3307.9 cy.	Comp. Fill = 806.8 cy.	Excavation = 151.3 cy.	Comp. Fill = 0 cy.		
+ 10 % = 3308 cy.	+ 10 % = 807 cy.	+ 10 % = 151.7 cy.			
Total = 3638.7 cy.	Total = 8875 cy.	Total = 166.4 cy.			
Manipulation = 5694.2 cy.		Manipulation = 203.8 cy.			

Construction to Allow for 28'-15" Drives

TYPE OF PAVEMENT TO BE USED TO BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INCLUDING BUT NOT LIMITED TO, ERECTION, CEILING, TRAFFIC, AND OTHER MODIFICATIONS, OR ANY COMBINATION OF THESE.

NOTE TO FIELD: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INCLUDING BUT NOT LIMITED TO, ERECTION, CEILING, TRAFFIC, AND OTHER MODIFICATIONS, OR ANY COMBINATION OF THESE.

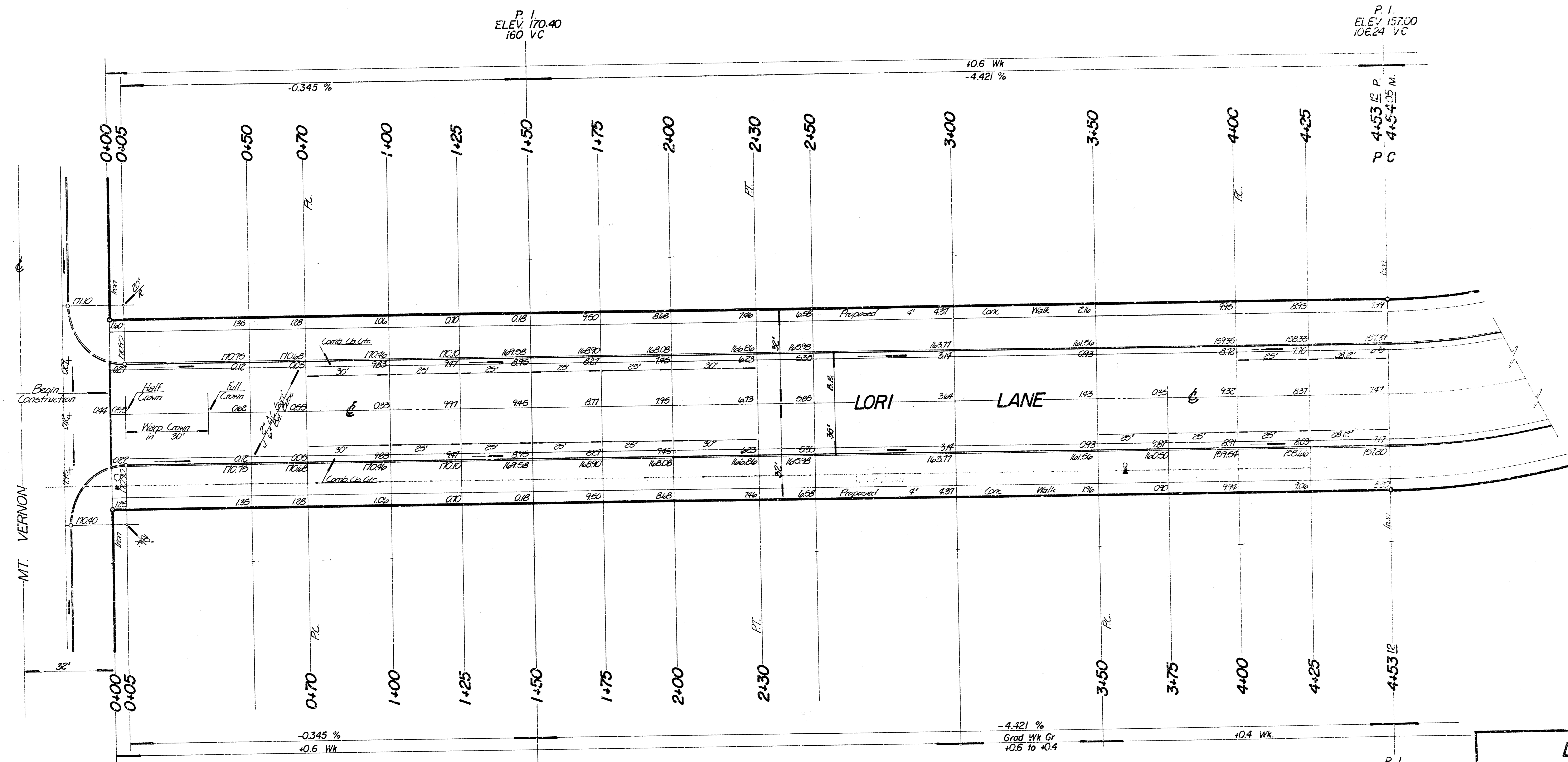
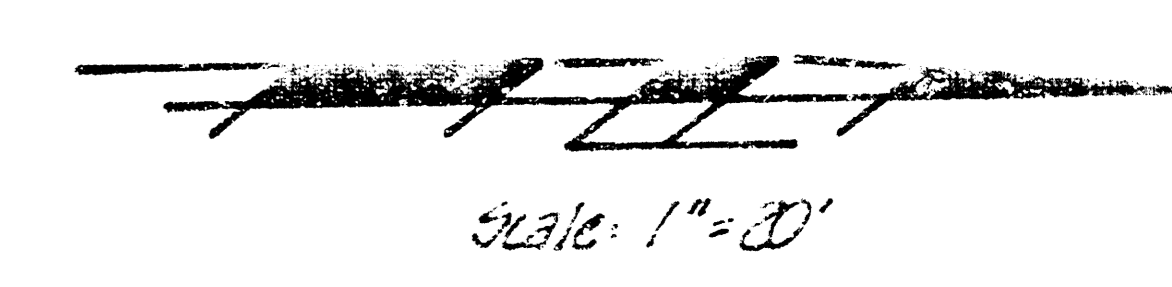
BLUESTEM
E.L. LOT 21 BLK 3 TO & INCLUDING
CUL-DE-SAC CEDAR LAKES VIL. 4th
35' B-B. 2" ASPH. CONC SURF. w. 6"
BIT. BASE & COMB. CB-GTR.
CITY of WICHITA, KANSAS
R.W. LINN CITY ENGINEER
PROJECT NO. DAKS 575088
DATE 3/10



Continued on next page

B.M. 159.12' R.R. Spk. N-Face PP 7' E of WL White Oak Dr.
126' S. of SL Mt. Vernon.

Ⓟ is Ⓞ Lori Lane



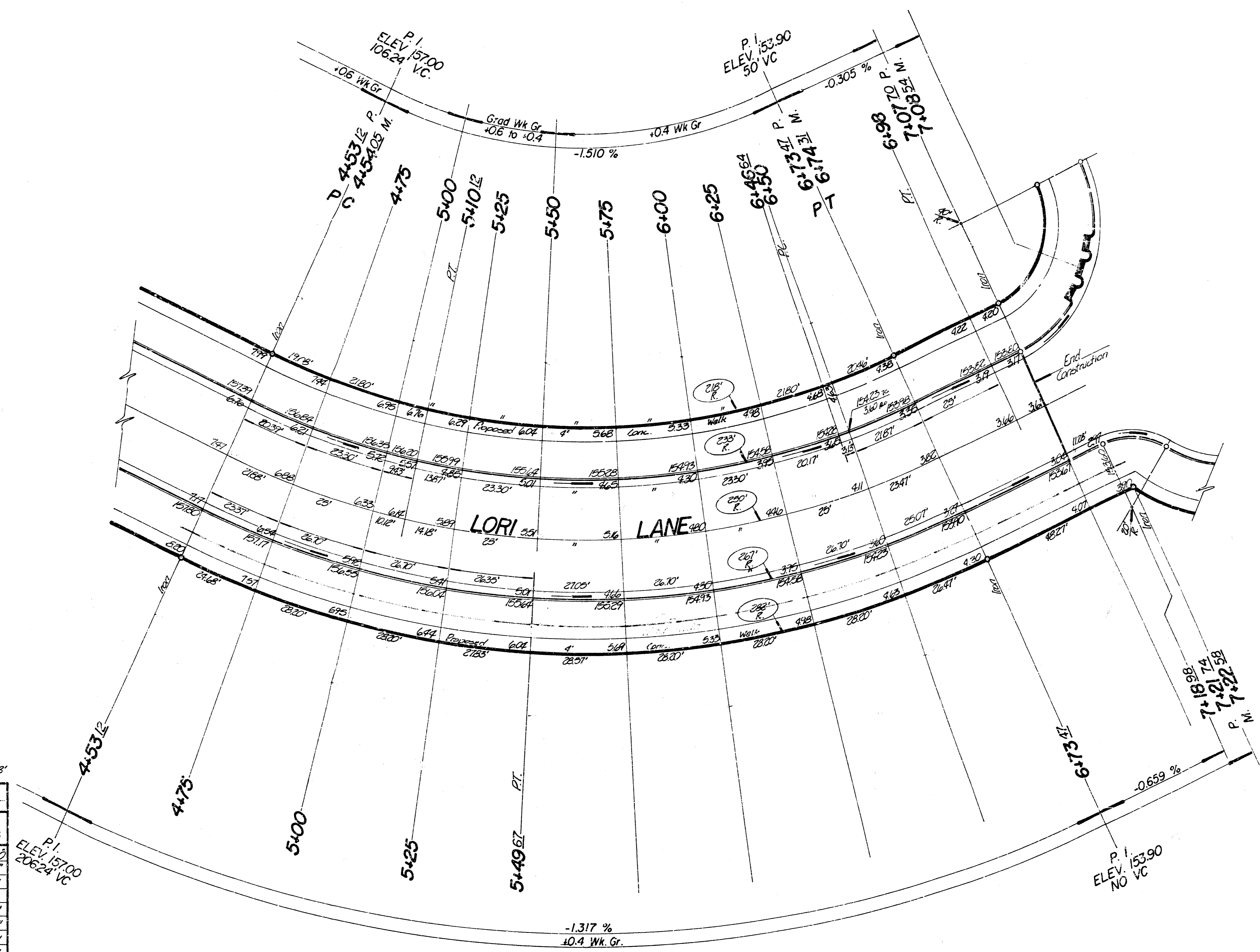
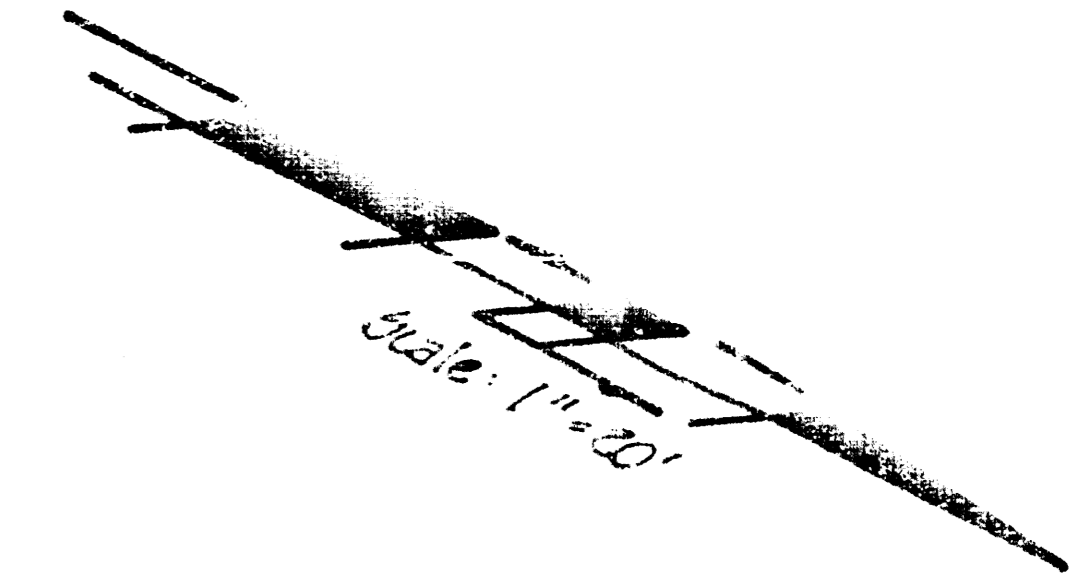
MT. VERNON

SUB-GRADE
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LEAD TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER: SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LEAD TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

P. I.
ELEV. 157.00
206.24 V.C.

LORI LANE
N.L. MT. VERNON TO SL. BLUESTEAD
CEDAR LAKES VILLAGE 4th
35' B-B 2" ASPH. CONC. SURF. w.
BIT. BASE & COMB. CR.-GTR.
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
PROJECT NO. DAKS 5750
DATE:

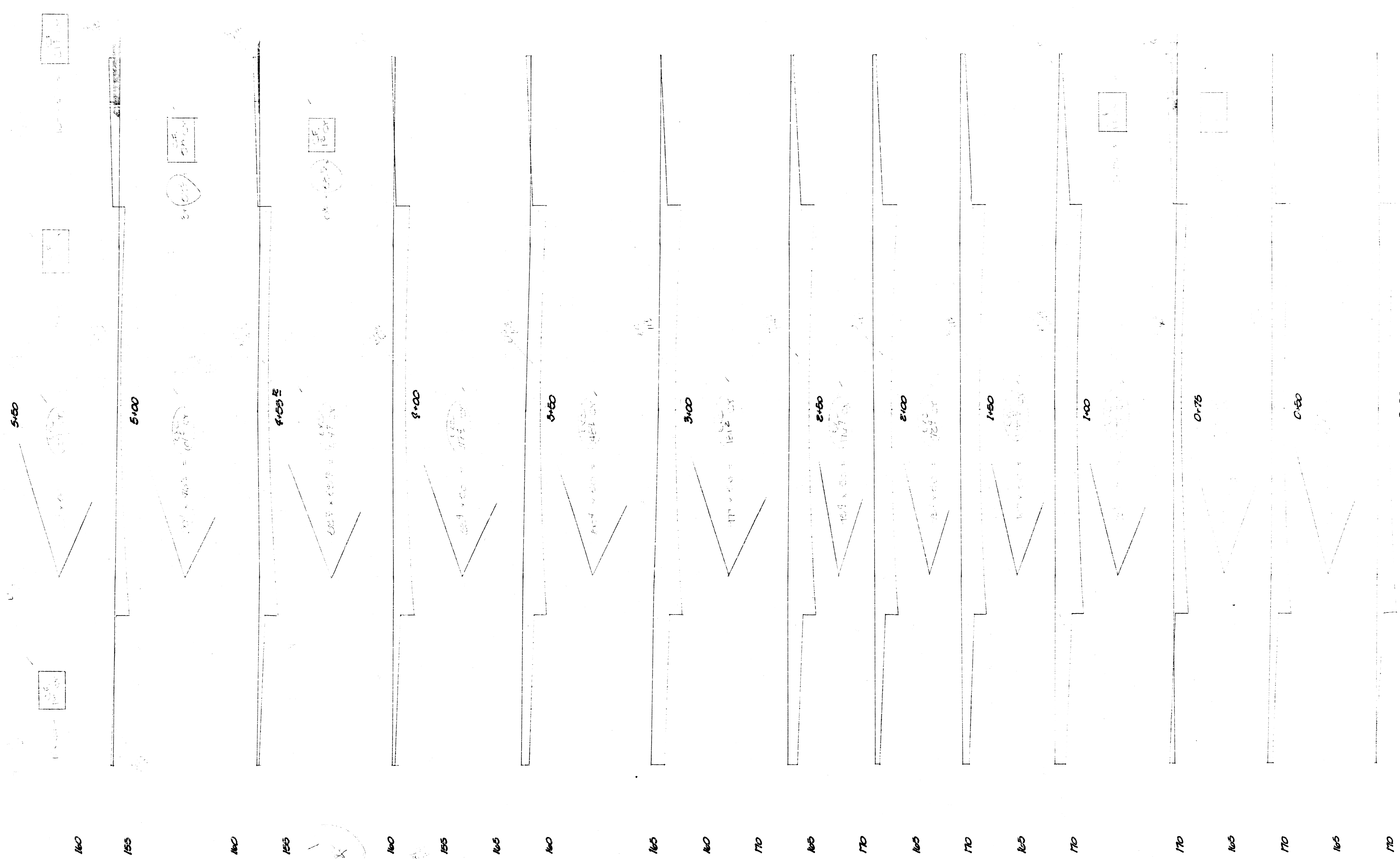


$\Delta = 60^\circ 30'$ $R = 250'$ $T = 117.91'$ $L = 220.35'$ $LC = 213.28'$

CURVE DATA FOR SECTION 6 ROAD 26.15'

STA	ARC	E	L	R	DEFLECTION	CHORD
4+53.12					0°00'00"	0'00"00"
4+75	2188'	1969'	24.06'		2°30'26"	2'30"26"
5+00	25'	22.49'	27.49'		2°51'53"	5'22"17"
5+25	"	"	"		2°51'54"	8'14"13"
5+50	"	"	"		2°51'53"	11'06"06"
5+75	"	"	"		2°51'53"	13'57'59"
6+00	"	"	"		2°51'53"	16'49'52"
6+25	"	"	"		2°51'54"	19'41'46"
6+50	"	"	"		2°51'53"	22'33'39"
6+73.47	2347'	2112'	25.81'		2°41'21"	25'15"00"

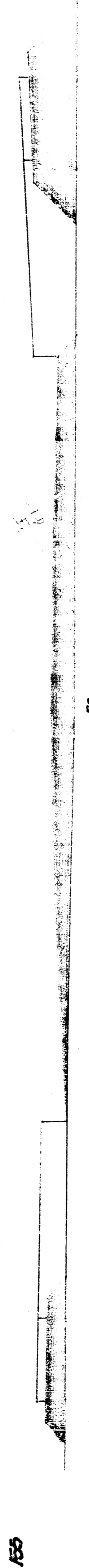
Deflection / P. = 6875444 / 171in



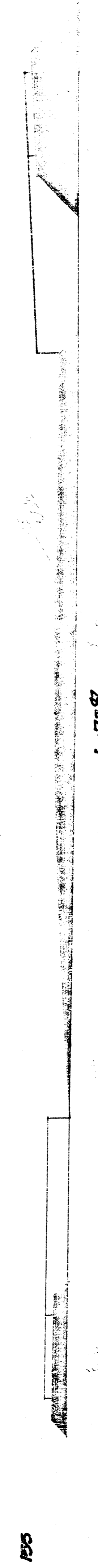
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Geological Section
 No. 100
 1880

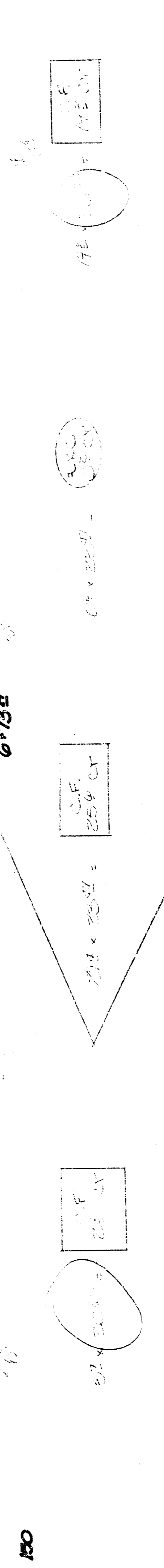
Geological Section
 Prop. 1880
 Excavation - 1880



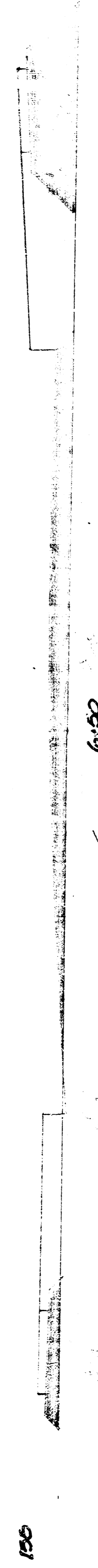
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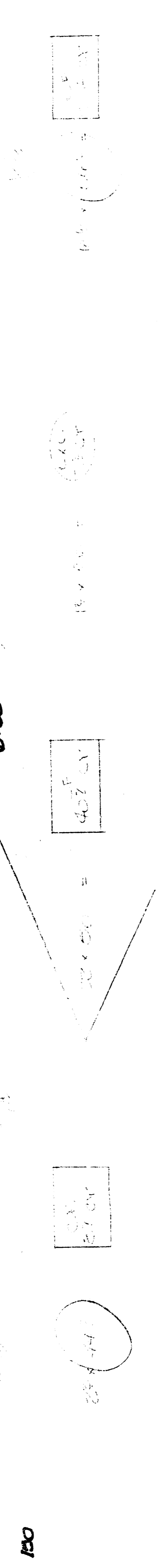
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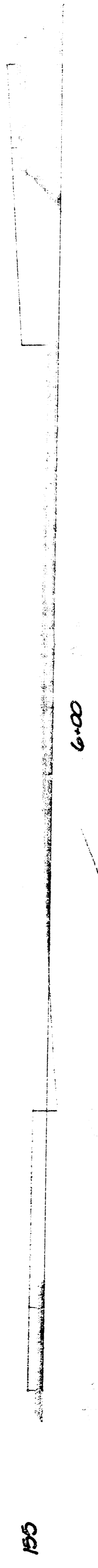
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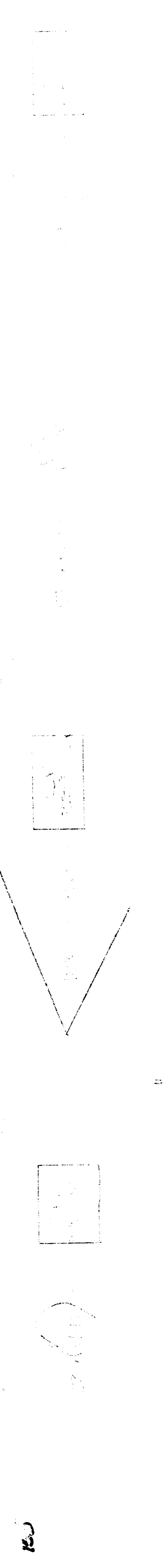
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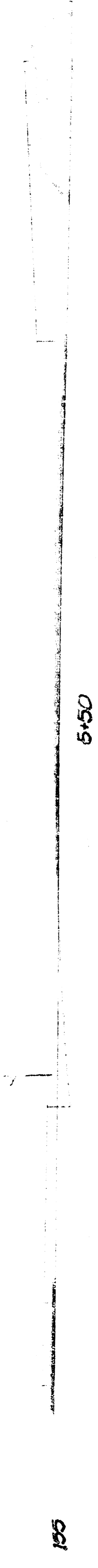
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175



180



185



190

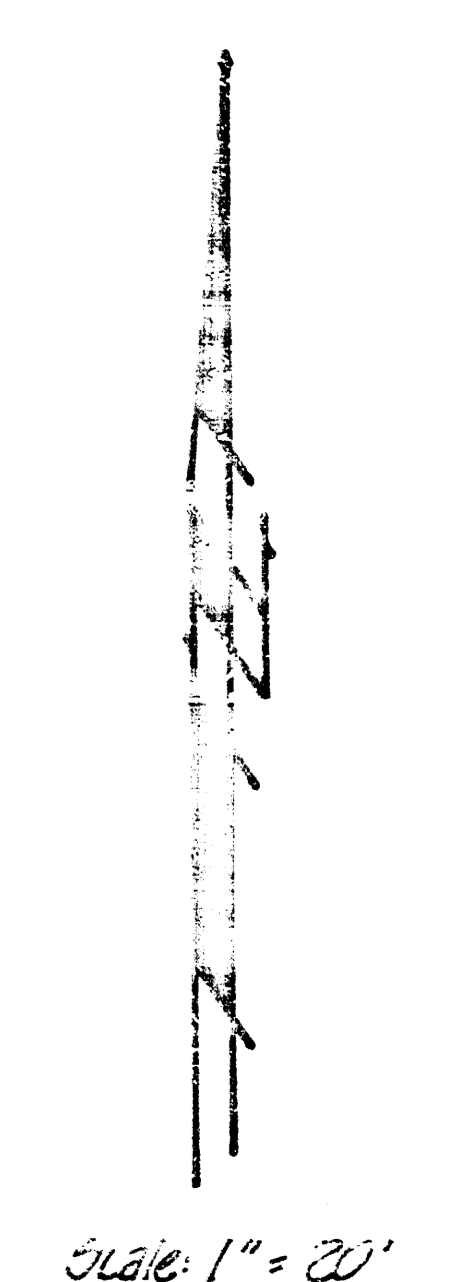
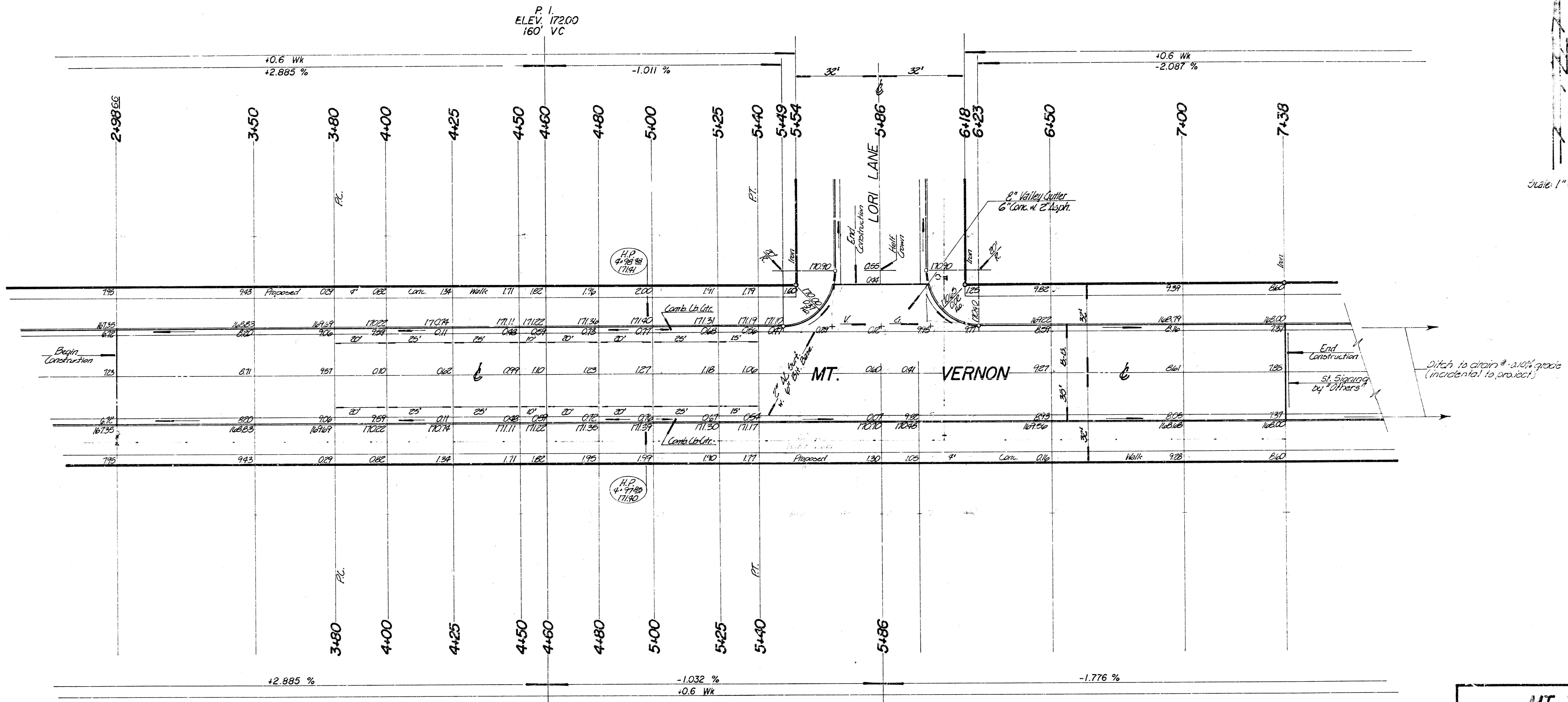
30 20 10 0 10 20 30

(8/10)

Cont. Cont.

1. 159.12' R.R. Spk. N-Face PP 7' E of WL White Oak Dr.
126' S. of SL Mt. Vernon.

is C Mt. Vernon.



P. I.
ELEV. 172.00
160' VC

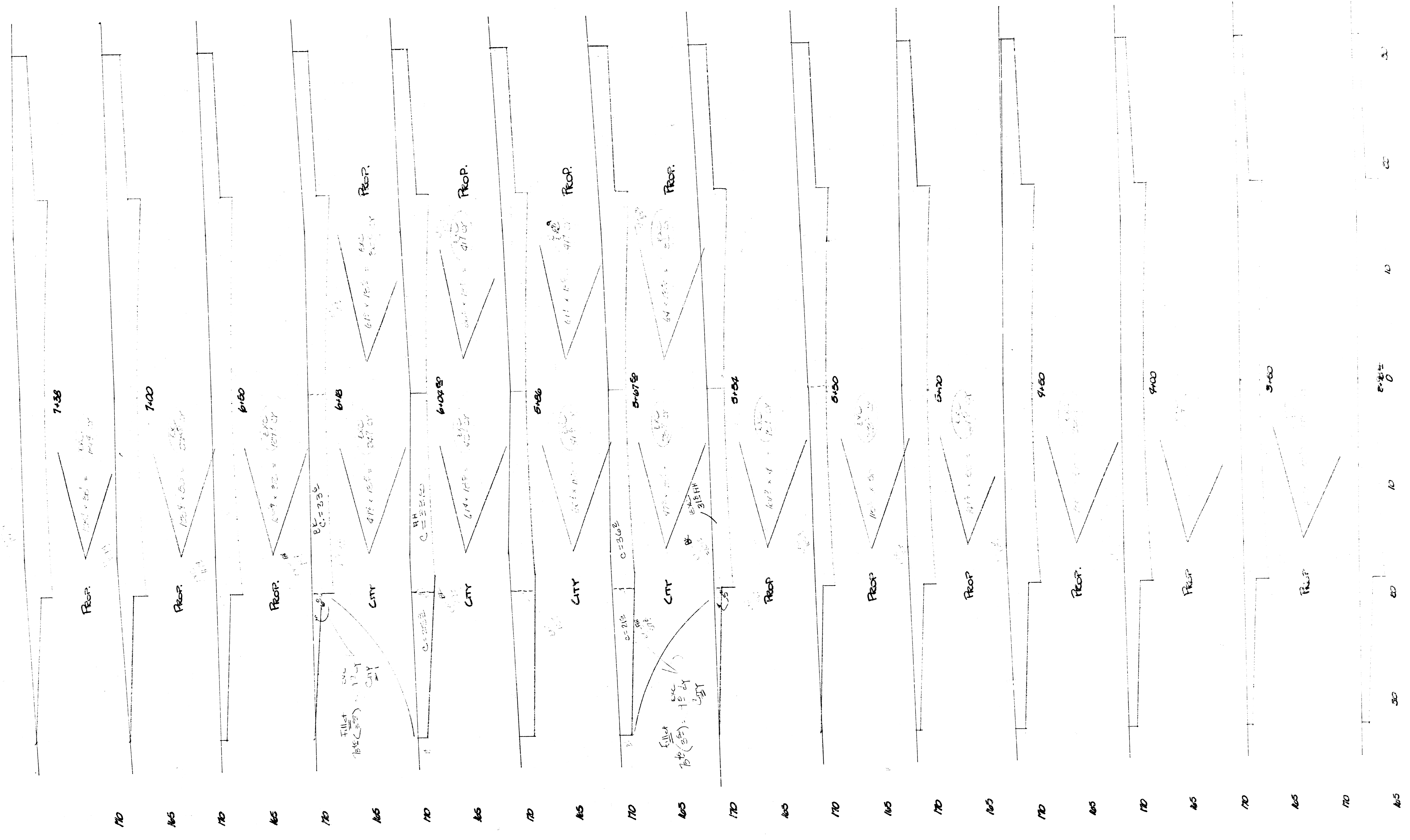
P. I.
ELEV. 172.00
160' VC

P. I.
ELEV. 170.70
NO VC

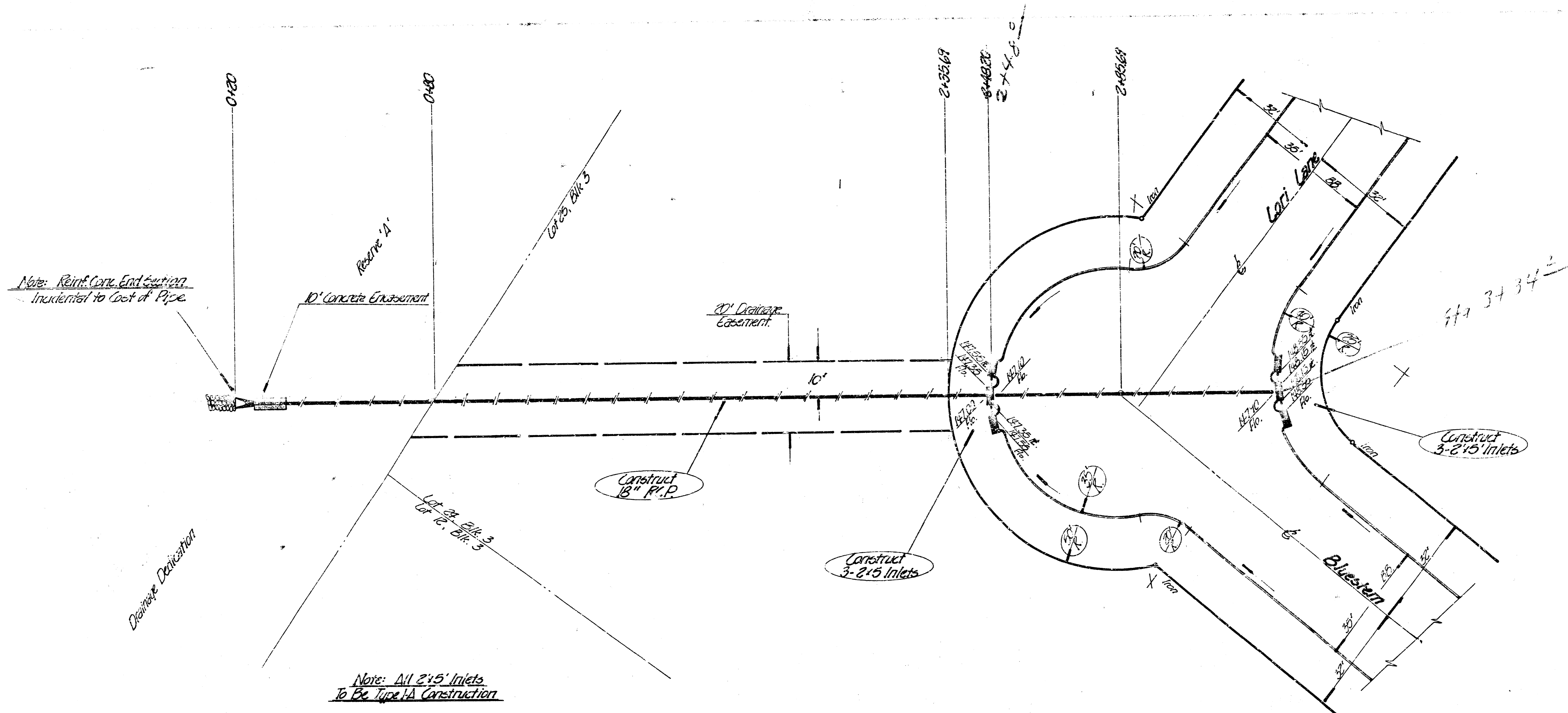
SUB GRADE
TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD INSPECTOR. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

NOTE TO FIELD ENGINEER & CONTRACTOR
Grade parking and clear right-of-way for proposed street. Construction of this street shall be constructed by the contractor.

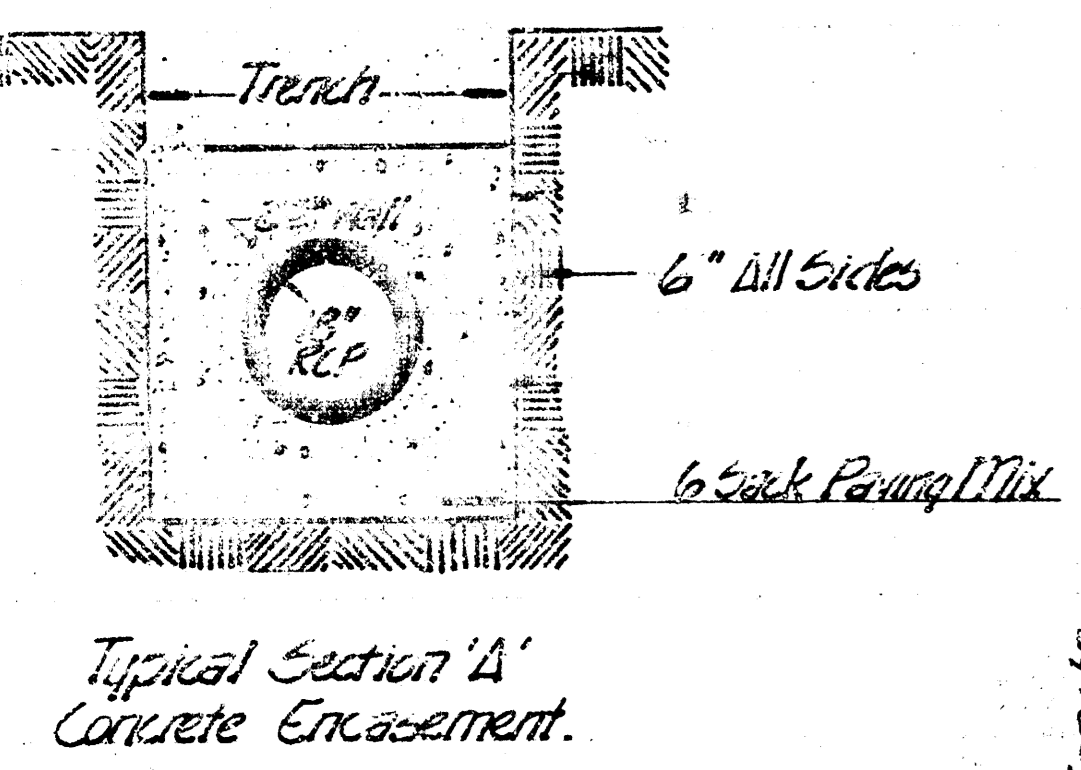
MT. VERNON
E.L. LOT 4, BLK 4 TO E.L. LOT 36
BLK 3, CEDAR LAKES VILL 4th.
35' BB, 2" ASPH. CONC. SURF. w 6"
BIT. BASE & COMB. CB-GTR.
CITY of WICHITA, KANSAS
R. W. LINN CITY ENGINEER
PROJECT NO. DAKS 575088
DATE: 9/12



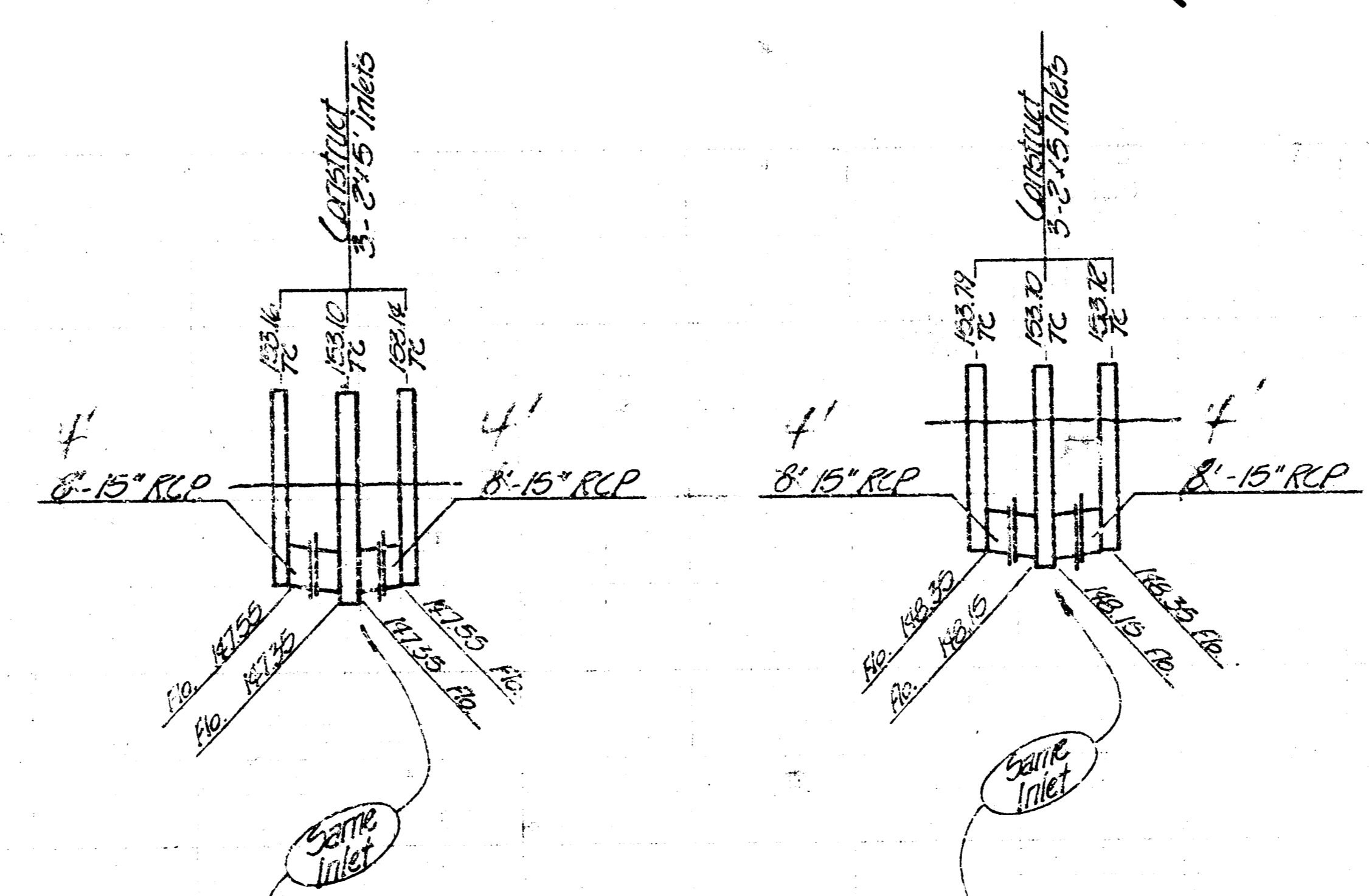
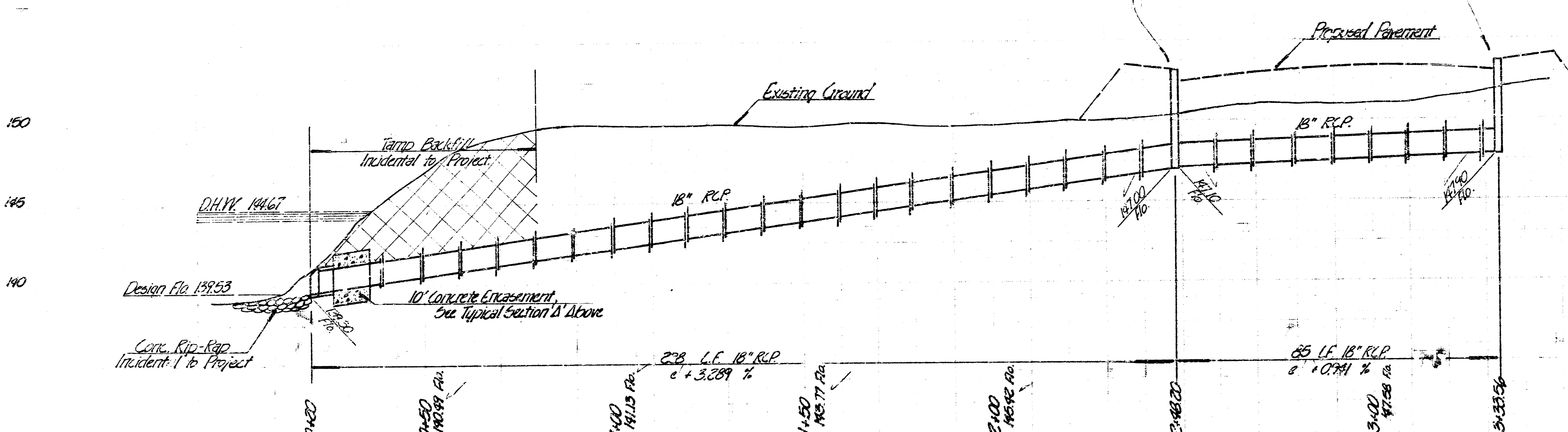
2
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 980
 990
 1000



Plan Scale: 1" = 20'
 Profile Scale: 1" = 20' Hor.
 1" = 5' Vert.

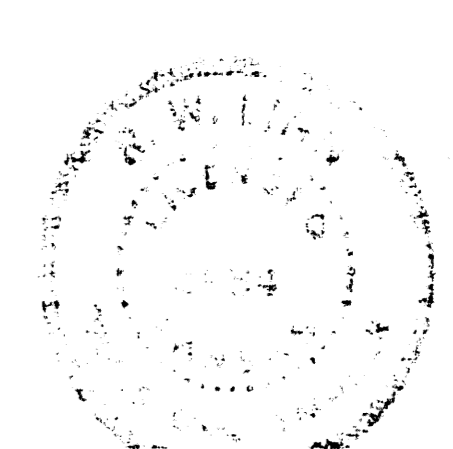


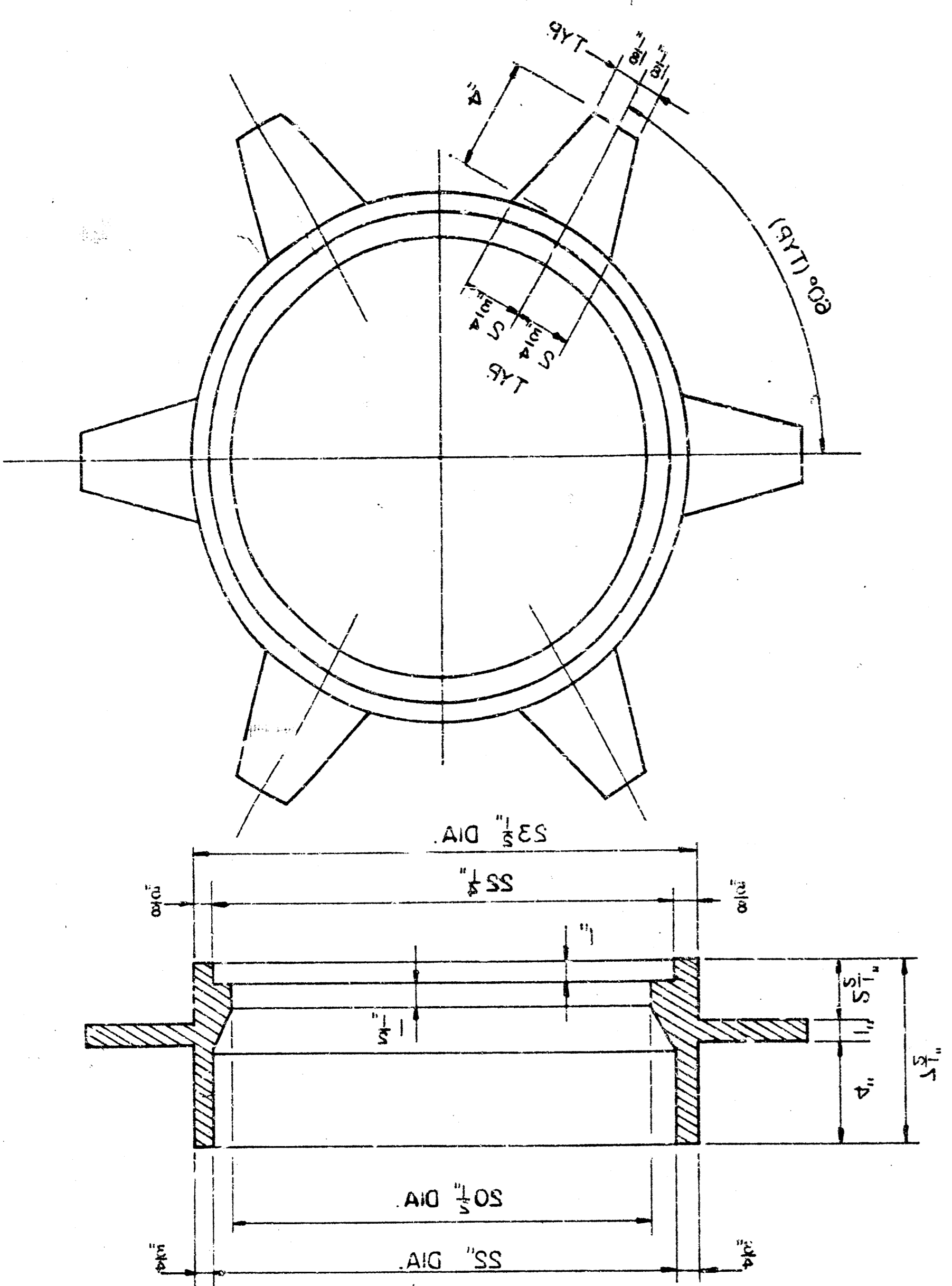
0+20 Begin Construct.
 0+80 N. Prop Line



As built 8-31-77

DRAINAGE IN CONNECTION
 WITH CEDAR LAKES VILLAGE
 CITY OF WICHITA
 R. W. LINN CITY ENGINEER
 PROJECT NO. DAKD 57506
 DATE

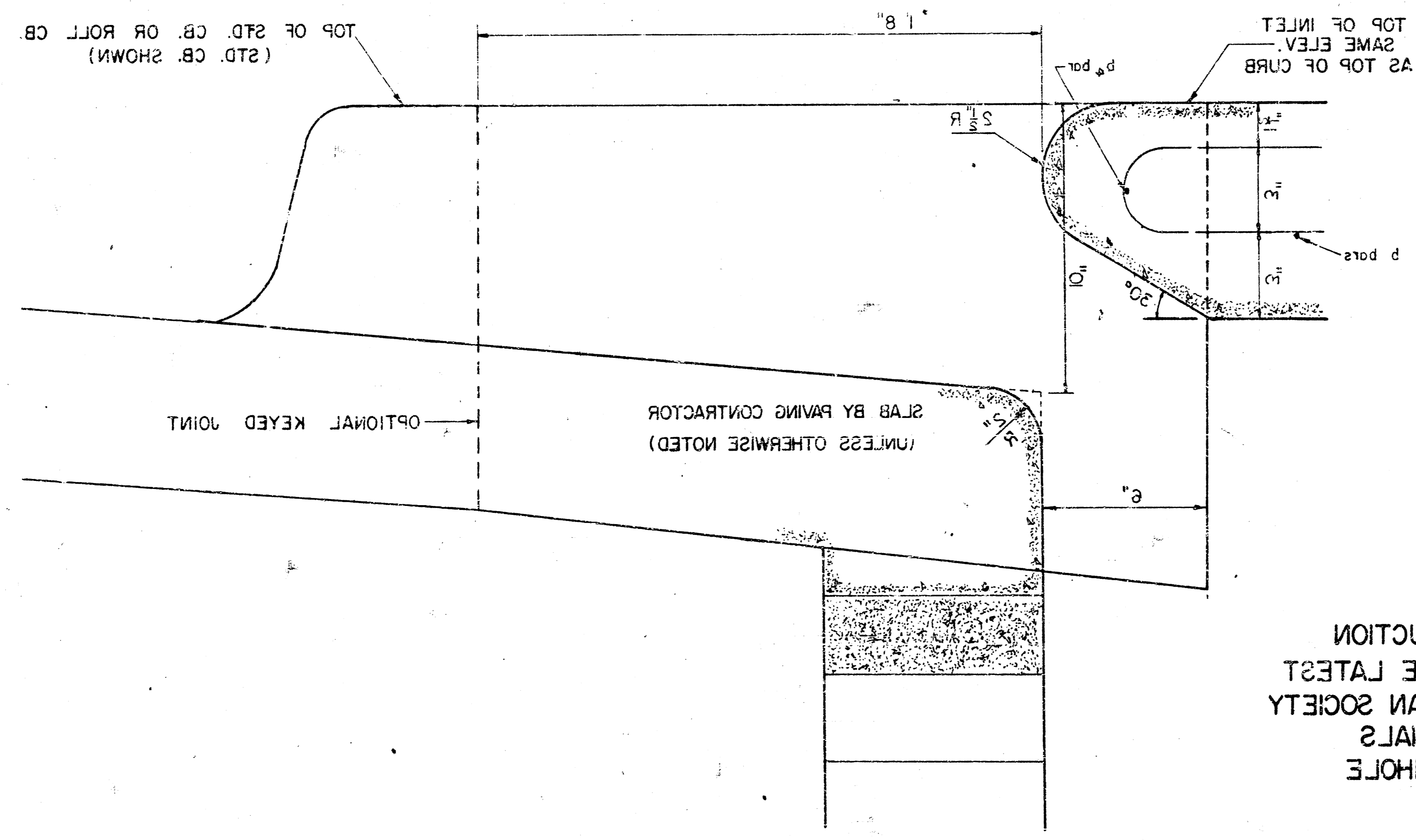




MANHOLE RING
SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER.

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

DETAIL
STANDARD TYPE IA CURB INLET
(SET BACK LOCATION)
CITY OF WICHITA, KANSAS
R. W. LINN—CITY ENGINEER
FEBRUARY 1925



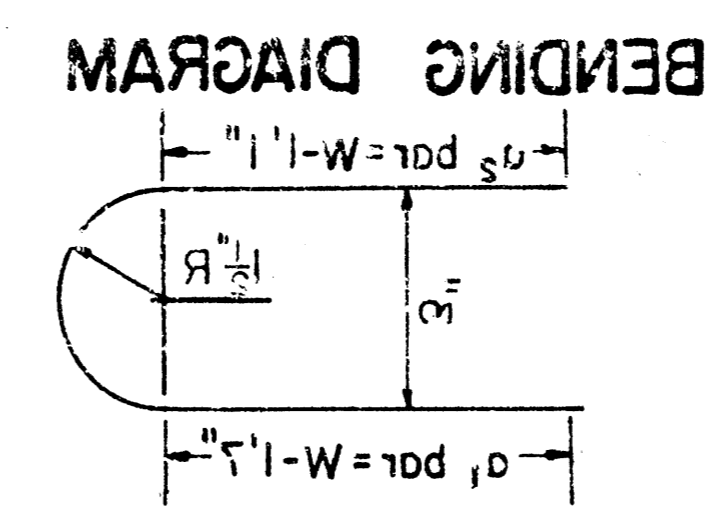
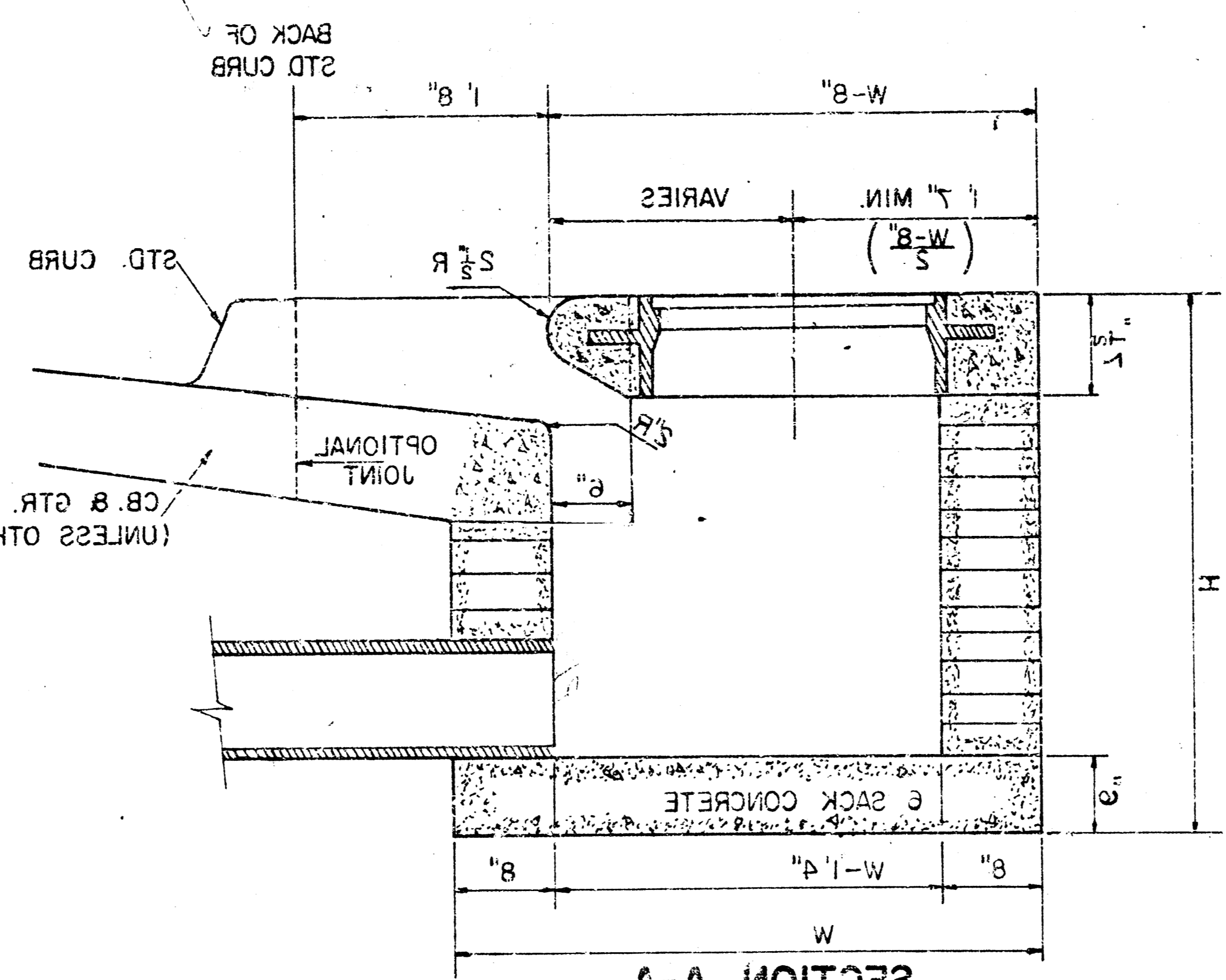
SECTION B-B
(SCALE 3" = 1'0")

NOTE: PAVING MIX. AND FLOORS SHALL BE E-SACK CONCRETE FOR INLET TOPS. PRECAST CONCRETE FOR INLET TOPS OR SUPPORT ALONG BRICK WALLS. CONCRETE THIN MORTAR CUSHION TO INSURE FULL CONCRETE TOPS TO BE INSTALLED ON.

* GROSS VOLUME

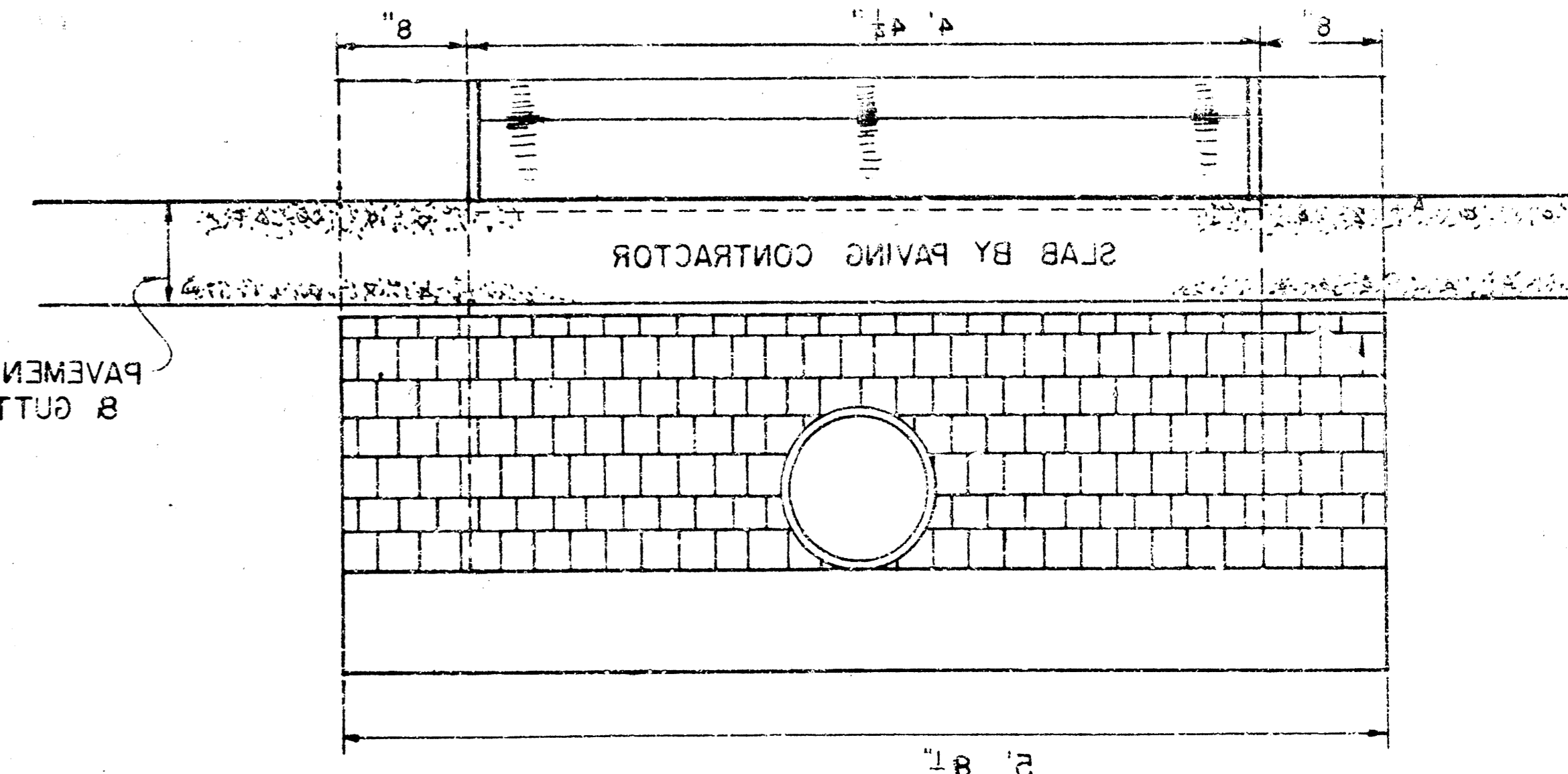
W	PRECAST TOP SIZE	PIPE SIZE	DAY CONC.
3'0"	32" X 28" X 1 1/2"	24" B SMALLER	0.45
4'0"	42" X 28" X 1 1/2"	30" B 3C	0.55
5'0"	52" X 28" X 1 1/2"	42" B 4B	0.68
6'0"	62" X 28" X 1 1/2"	54" B 5D	0.82

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



BENDING DIAGRAM

BRICK GRADE MS.
DESIGNATION C3 FOR MANHOLE
FOR TESTING AND MATERIALS
REVISION OF THE AMERICAN SOCIETY
SHALL CONFORM WITH THE LATEST
BRICK FOR INLET CONSTRUCTION

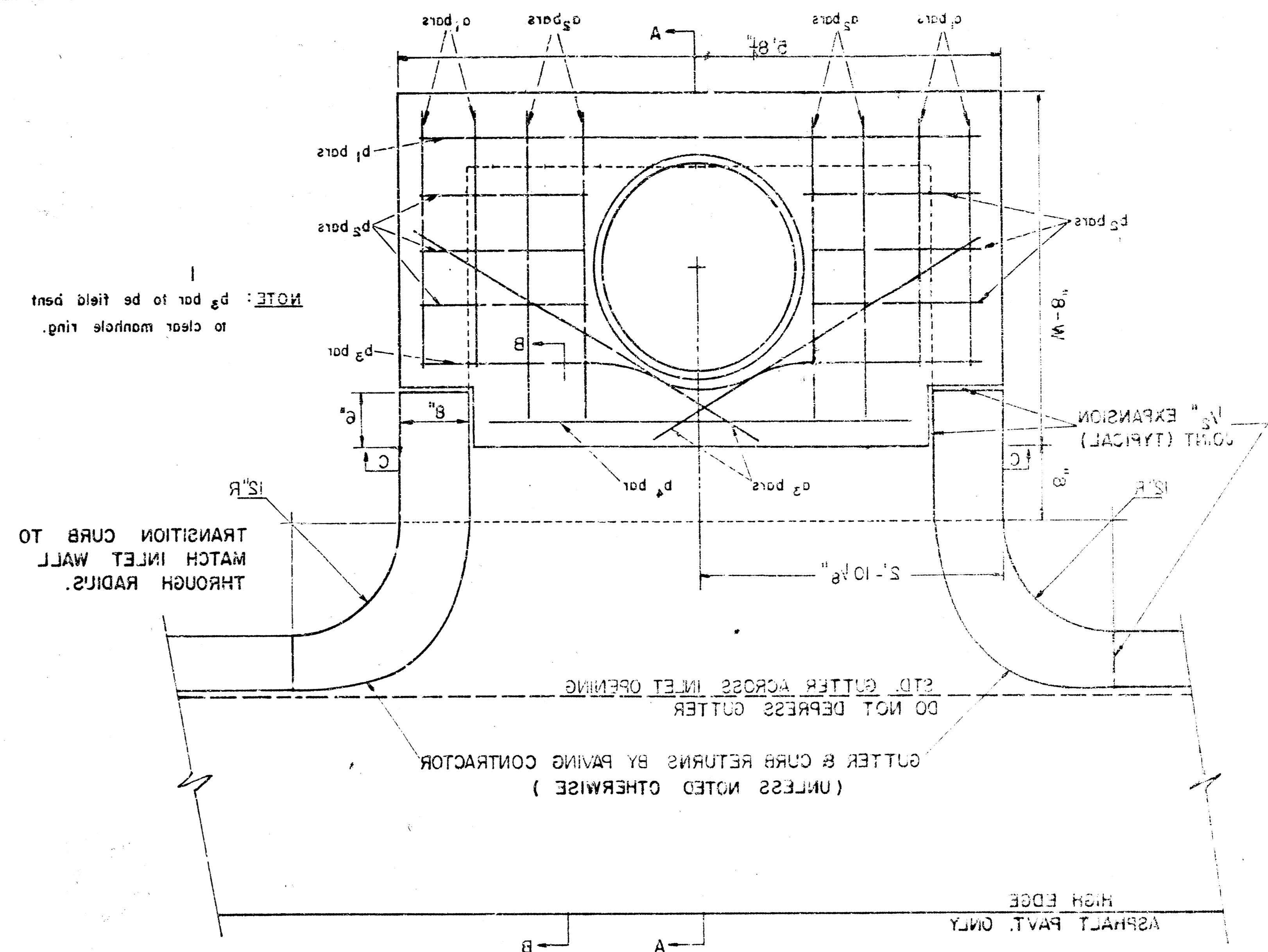


SECTION C-C
(SCALE 1" = 1'0")

* NOTE: #3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER.

BAR	#	SIZE	W. WT.	L. WT.
1	4	#4	4.7	18.8
2	4	#4	4.7	18.8
3	4	#4	4.7	18.8
4	4	#4	4.7	18.8
5	4	#4	4.7	18.8
6	4	#4	4.7	18.8
7	4	#4	4.7	18.8
8	4	#4	4.7	18.8
9	4	#4	4.7	18.8
10	4	#4	4.7	18.8

STEEL SCHEDULE



PLAN
(SCALE 1" = 1'0")

NOTE: #3 bar to be field bent to clear manhole ring.

PAVEMENT OR CURB & GUTTER THICKNESS

GUTTER & CURB RETURNS BY PAVING CONTRACTOR (UNLESS NOTED OTHERWISE)

STD. GUTTER ACROSS INLET OPENING DO NOT DEPRESS GUTTER

TRANSITION CURB TO MATCH INLET WALL THROUGH RADII.

ASPHALT PAVT. ONLY HIGH EDGE

GENERAL NOTES

1. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

2. FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

3. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

4. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

5. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

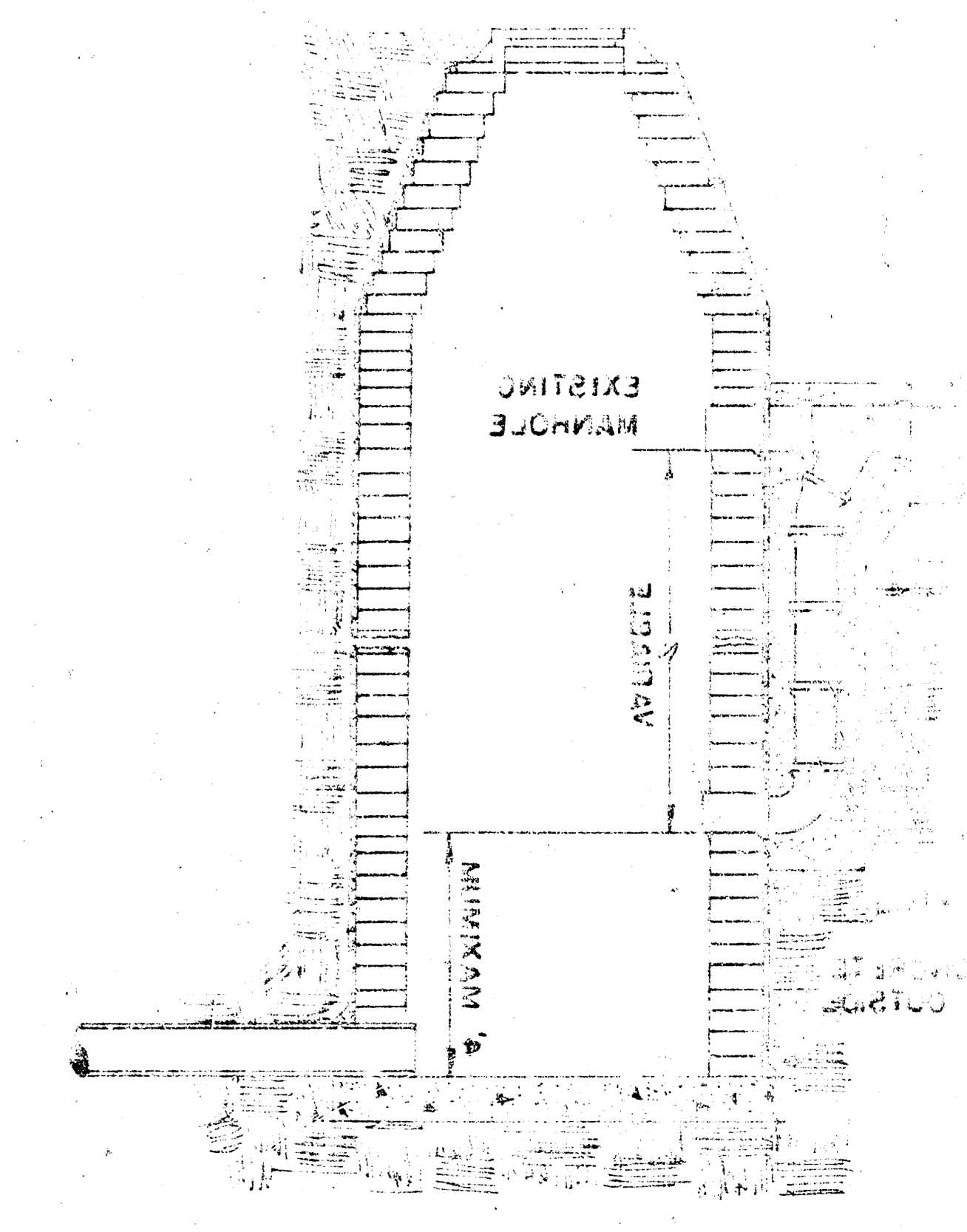
6. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

7. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

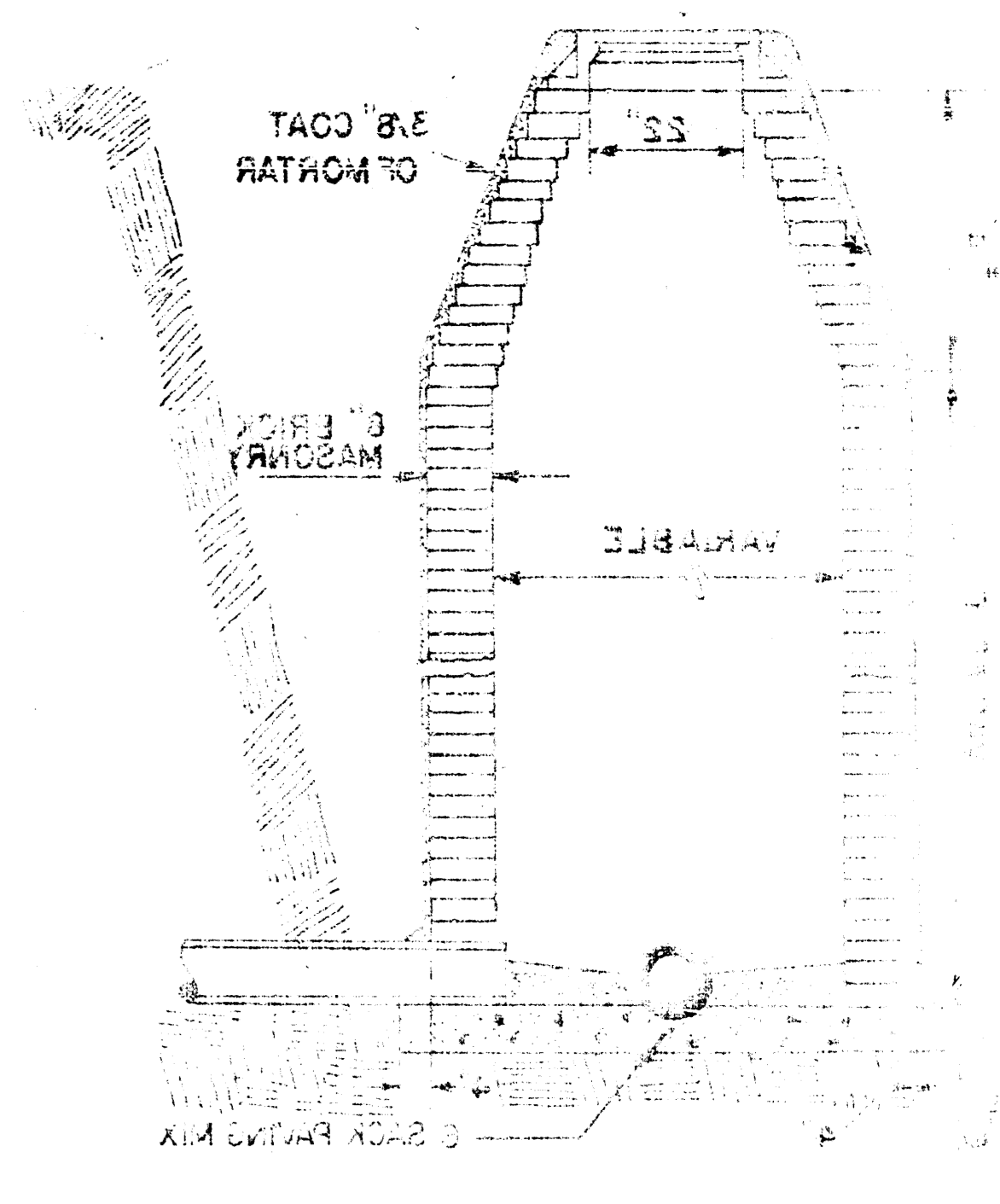
8. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

9. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.

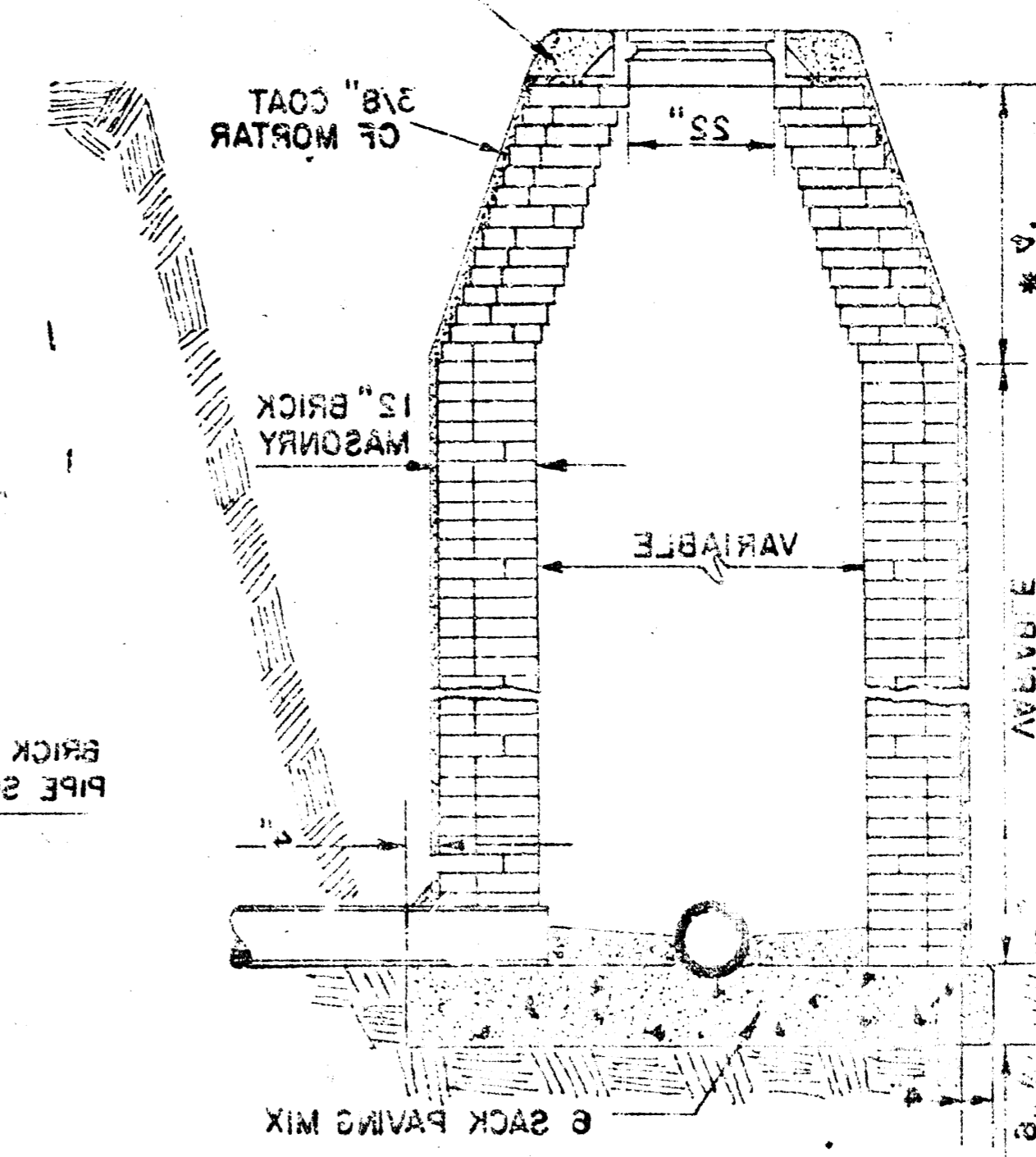
10. ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 8 SACK SAND MIX CONCRETE.



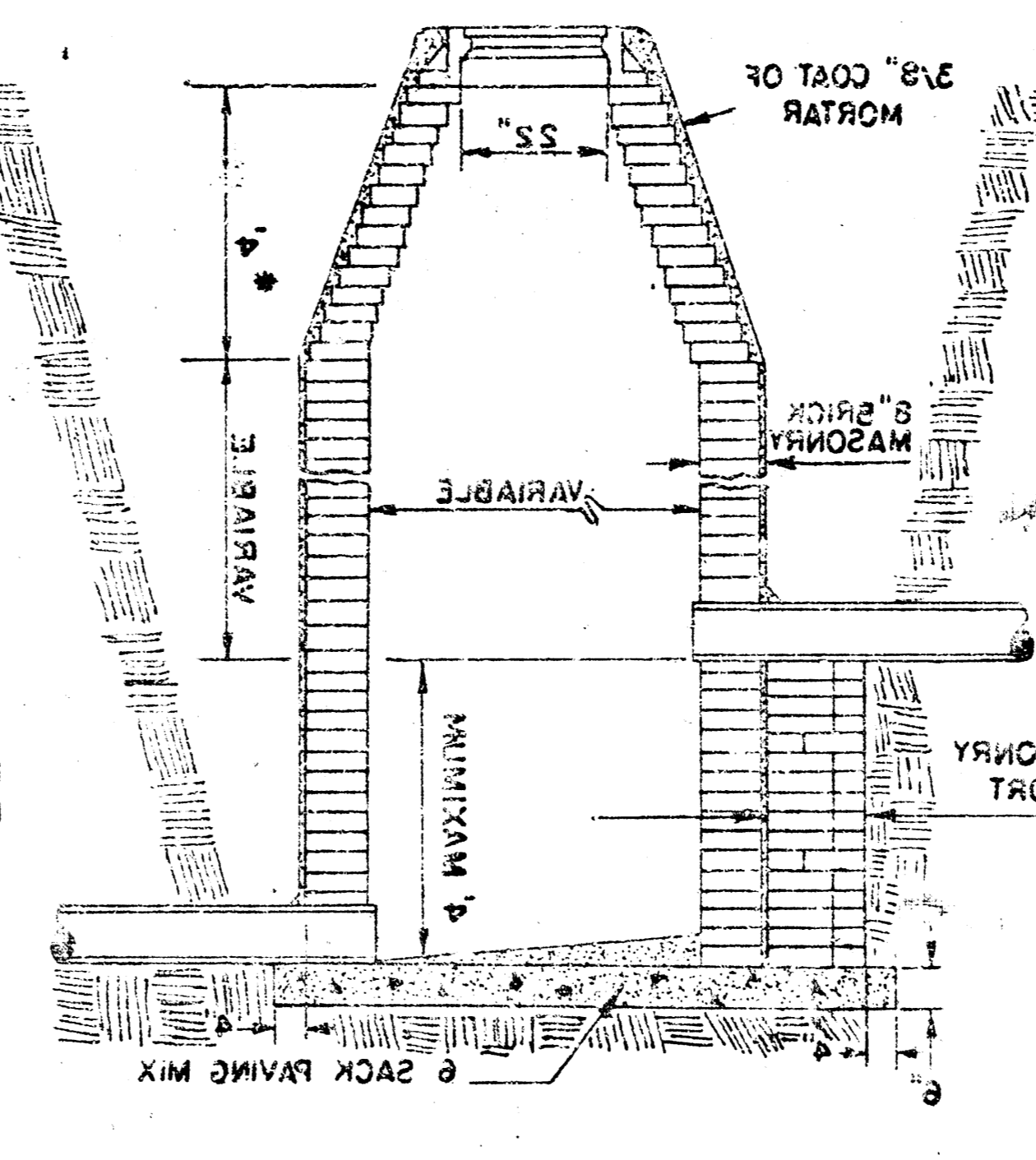
STANDARD MANHOLE TYPE "A"



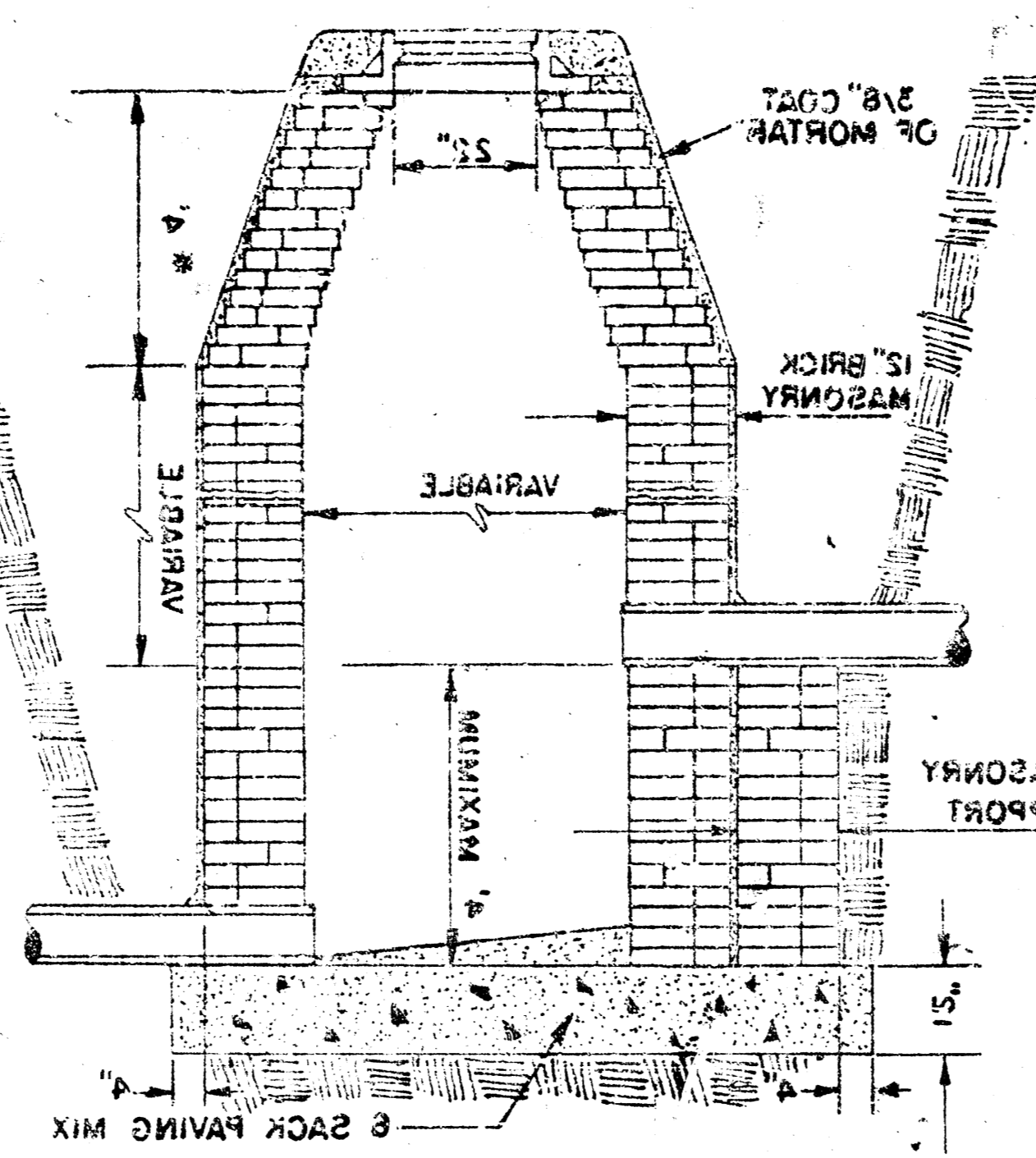
STANDARD MANHOLE TYPE "B"



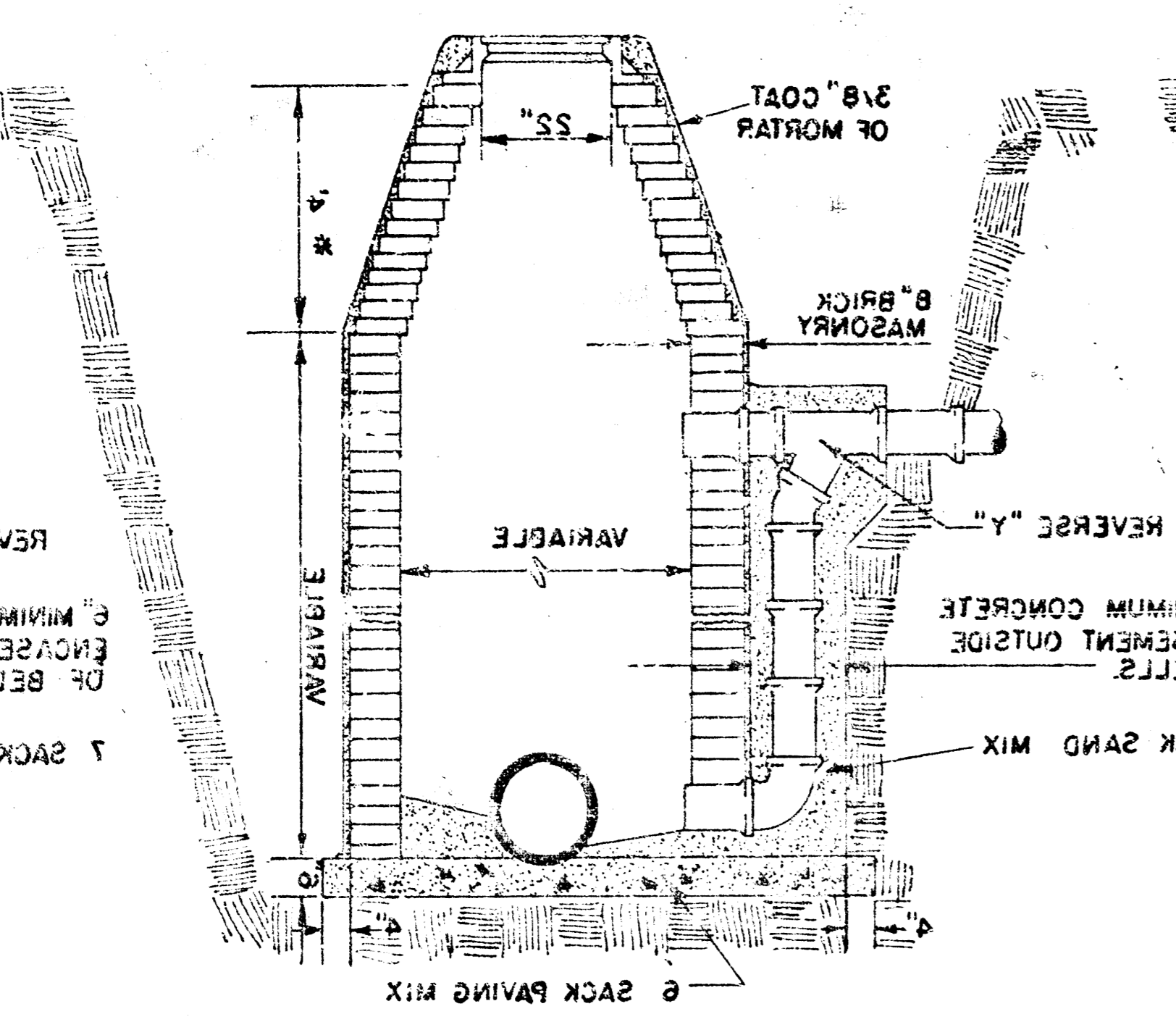
DROP MANHOLE TYPE "A"



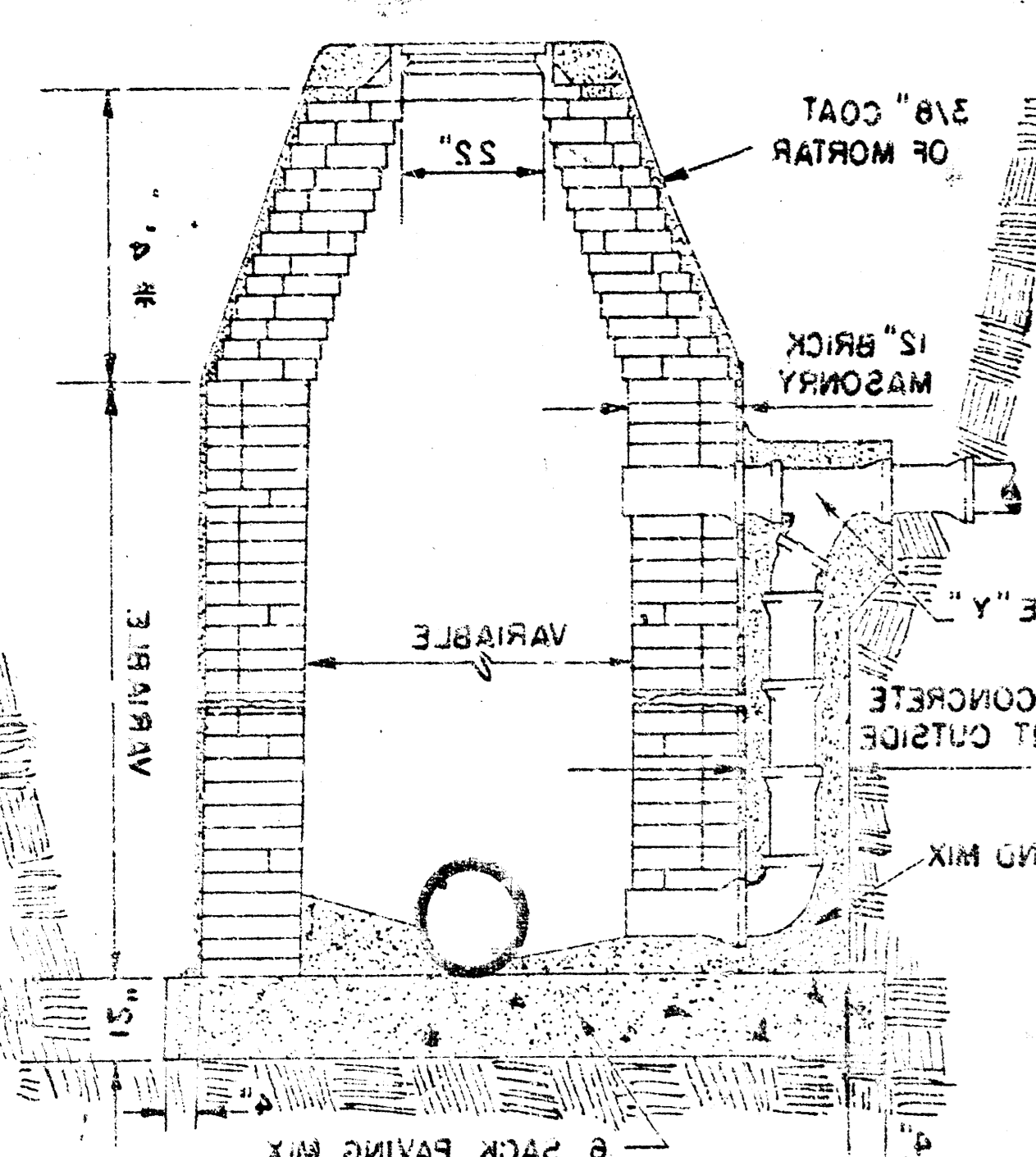
DROP MANHOLE TYPE "B"



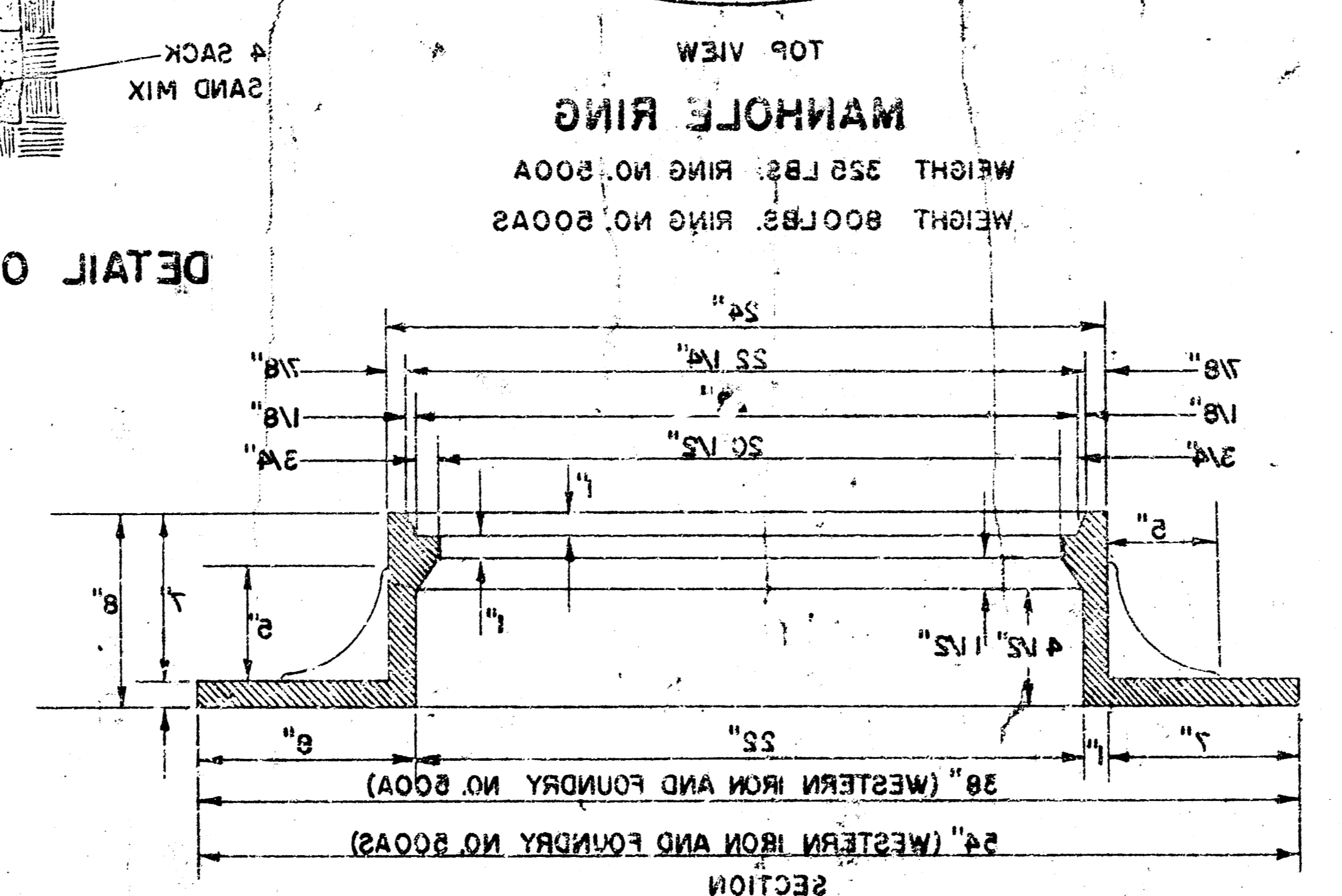
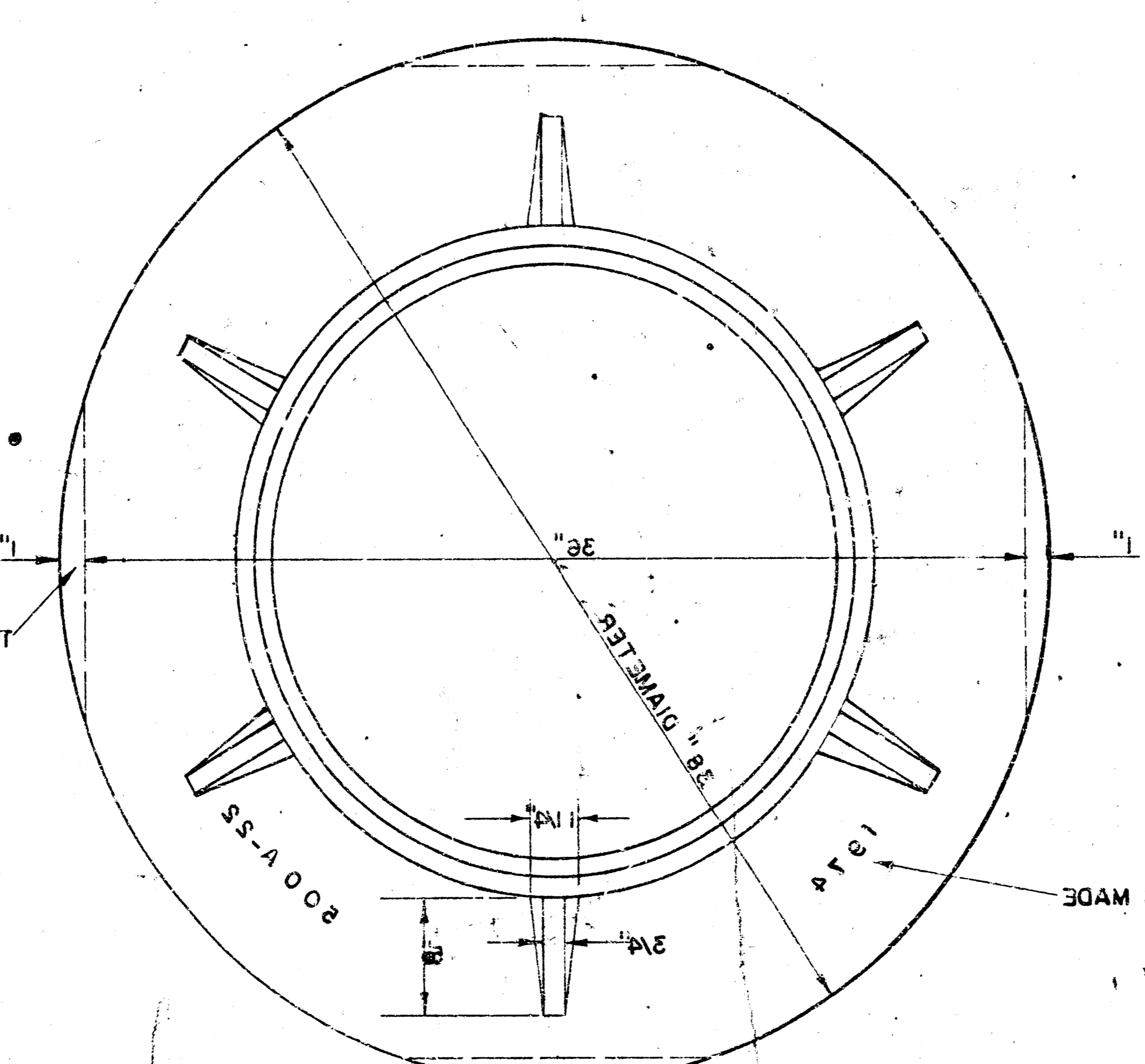
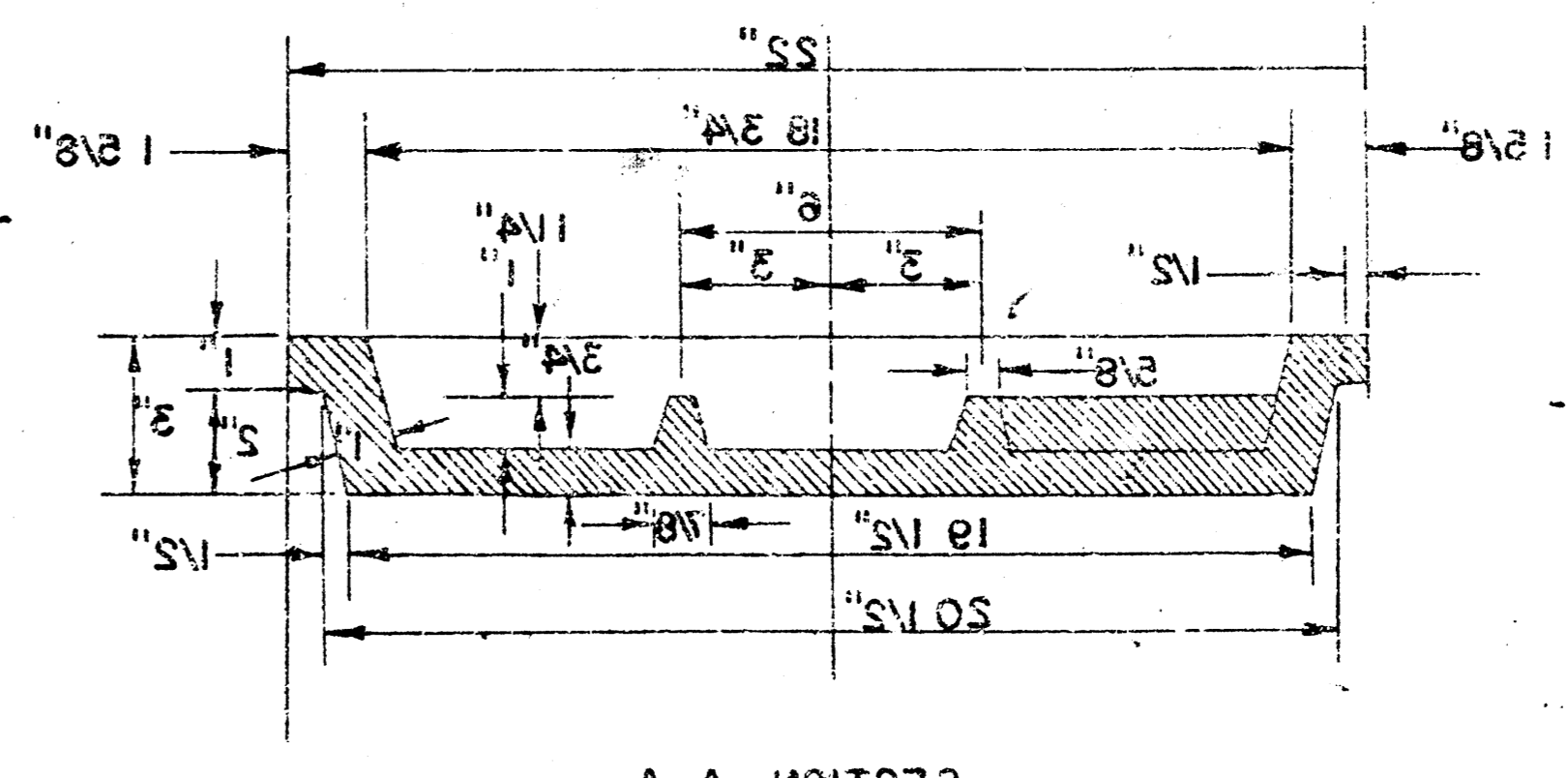
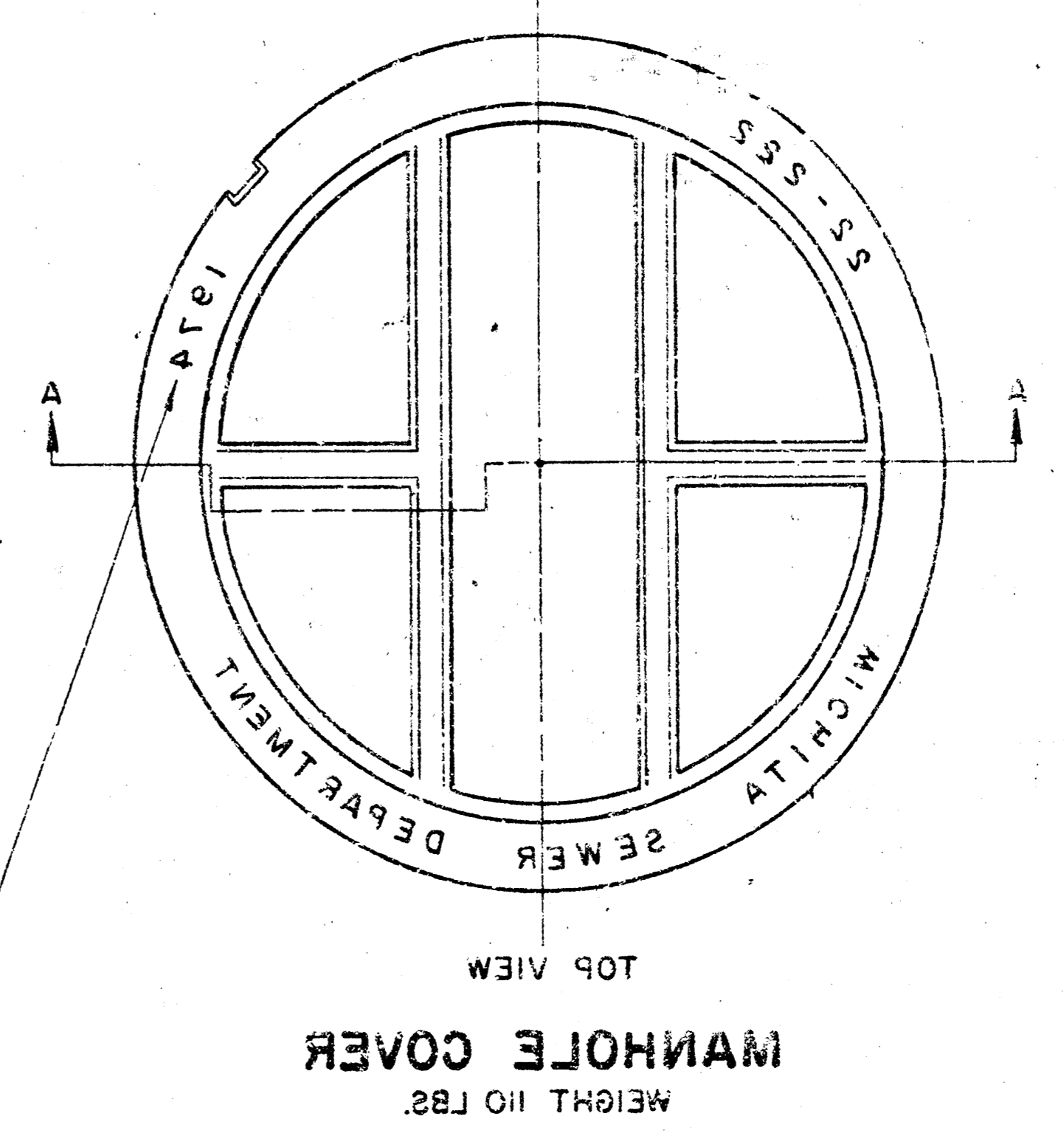
OUTSIDE DROP MANHOLE TYPE "A"



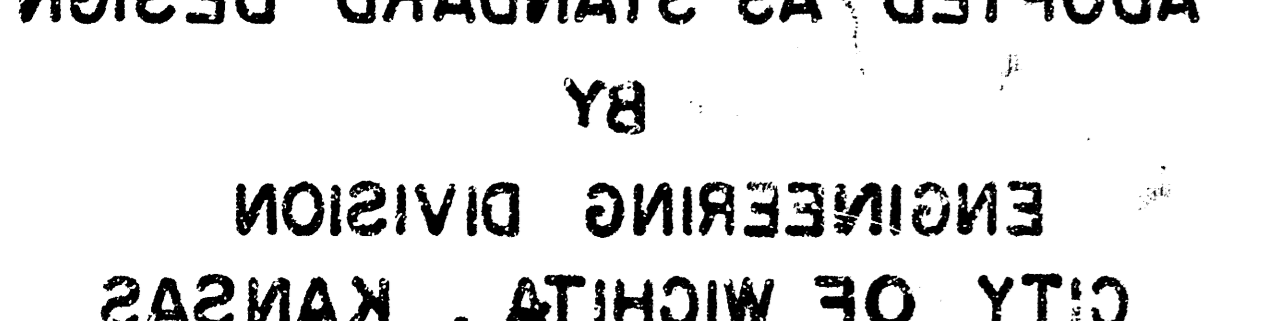
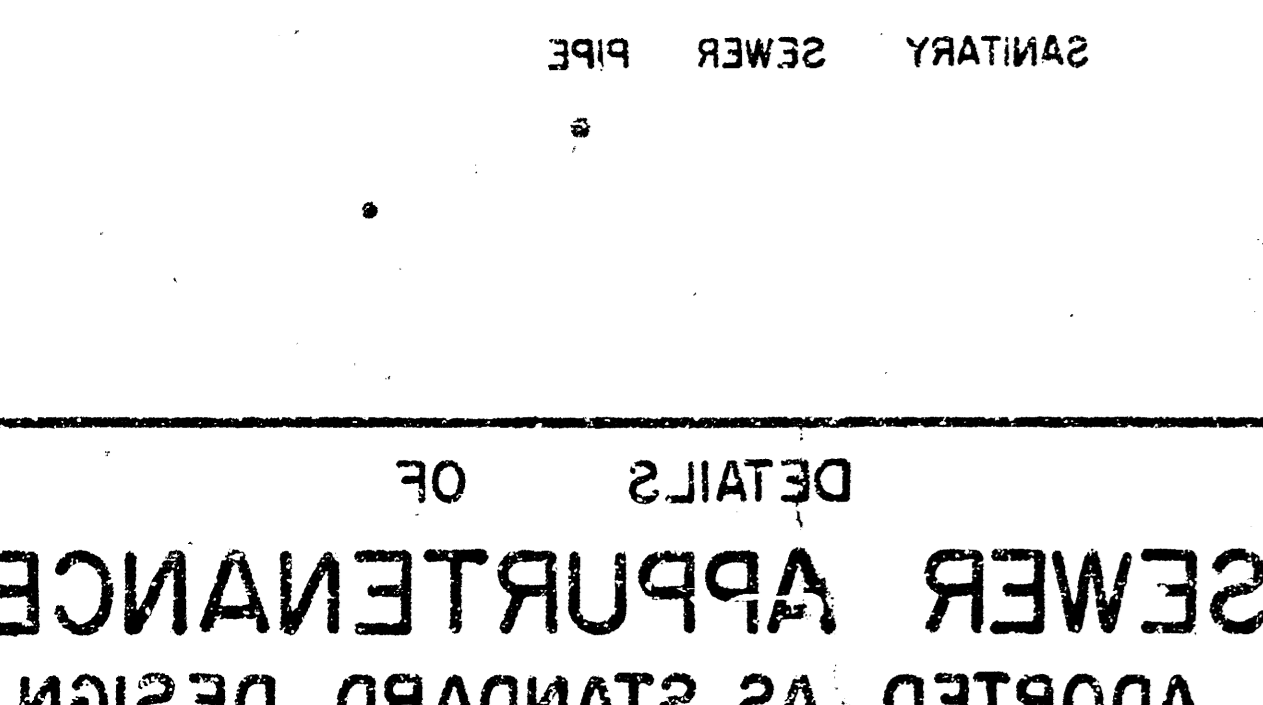
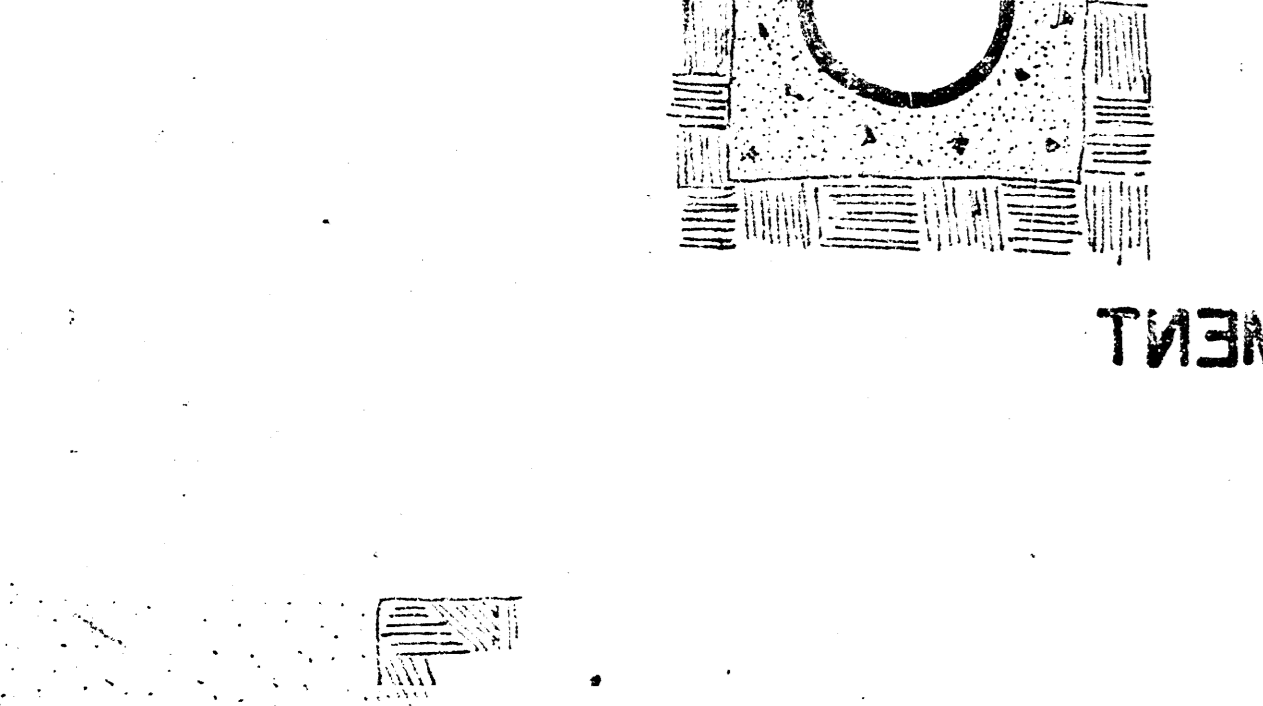
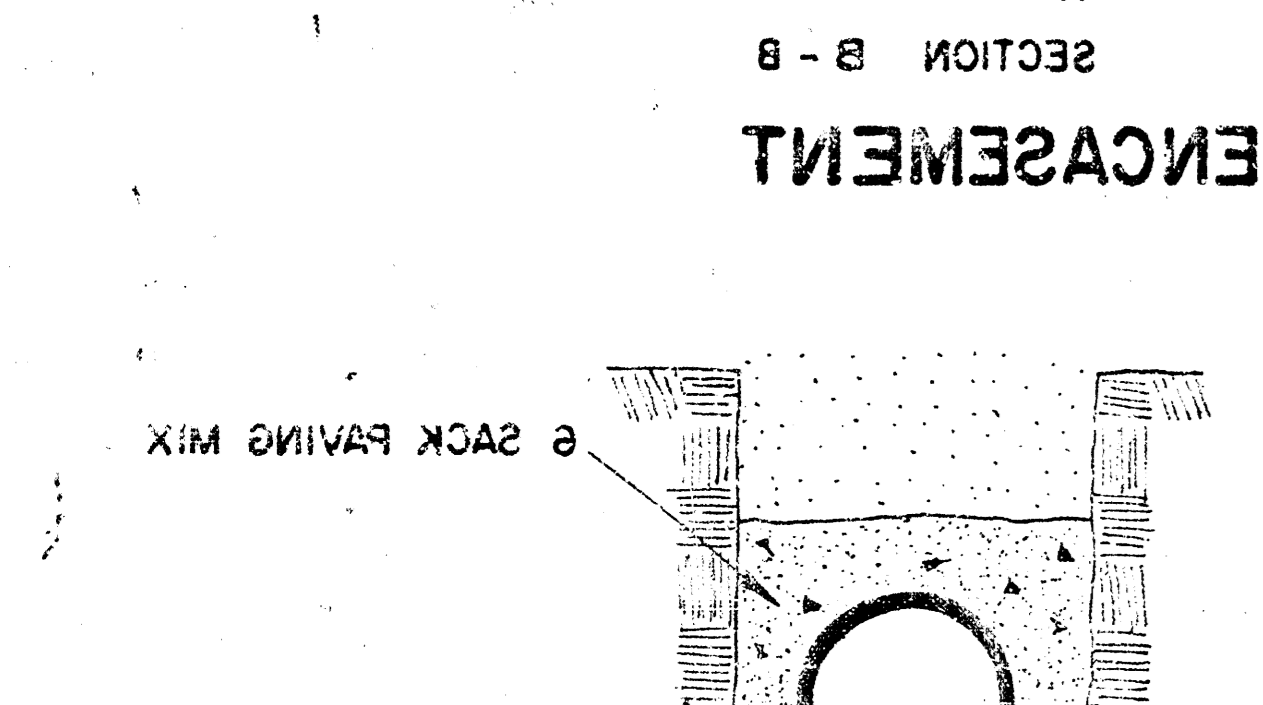
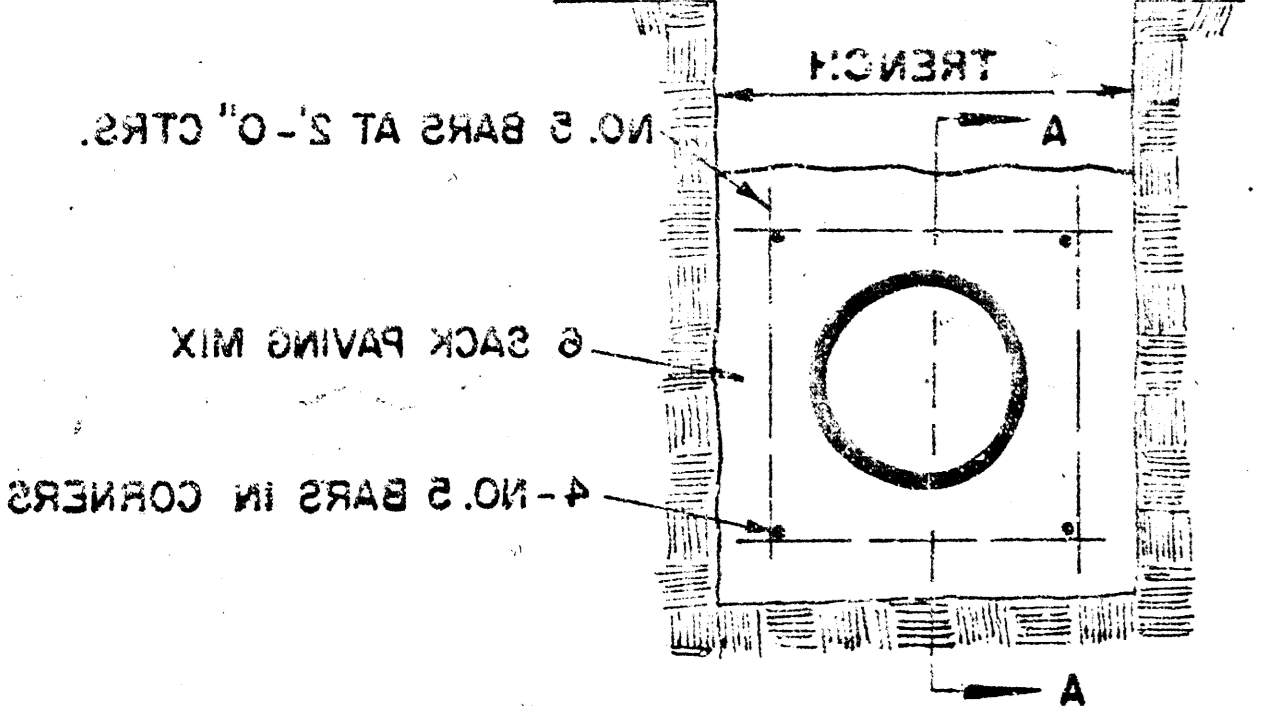
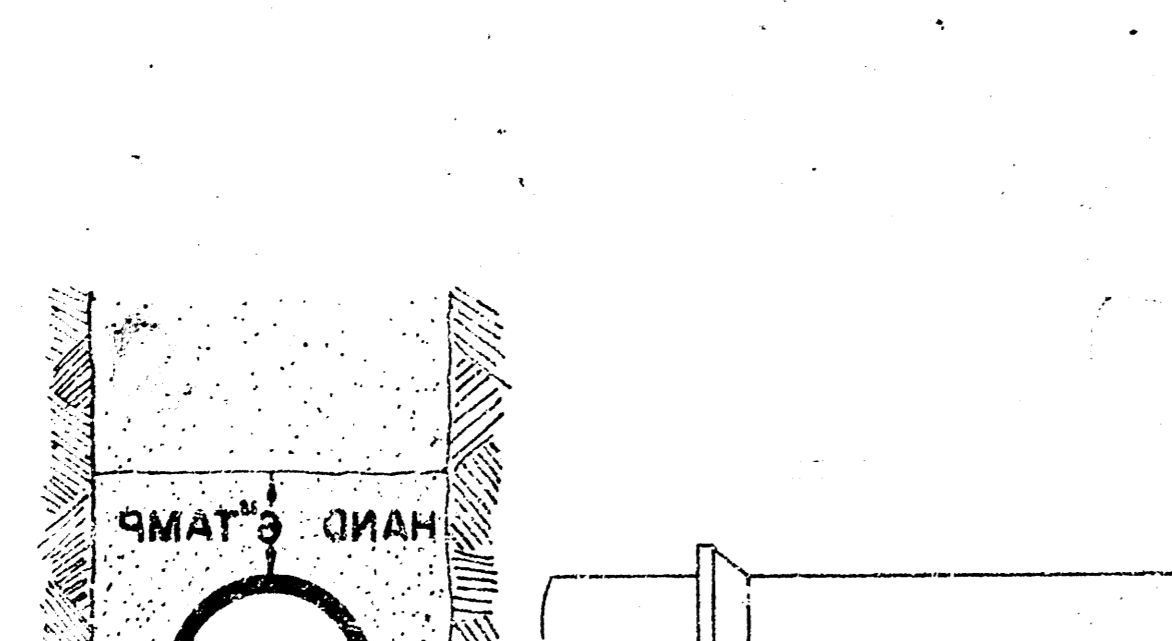
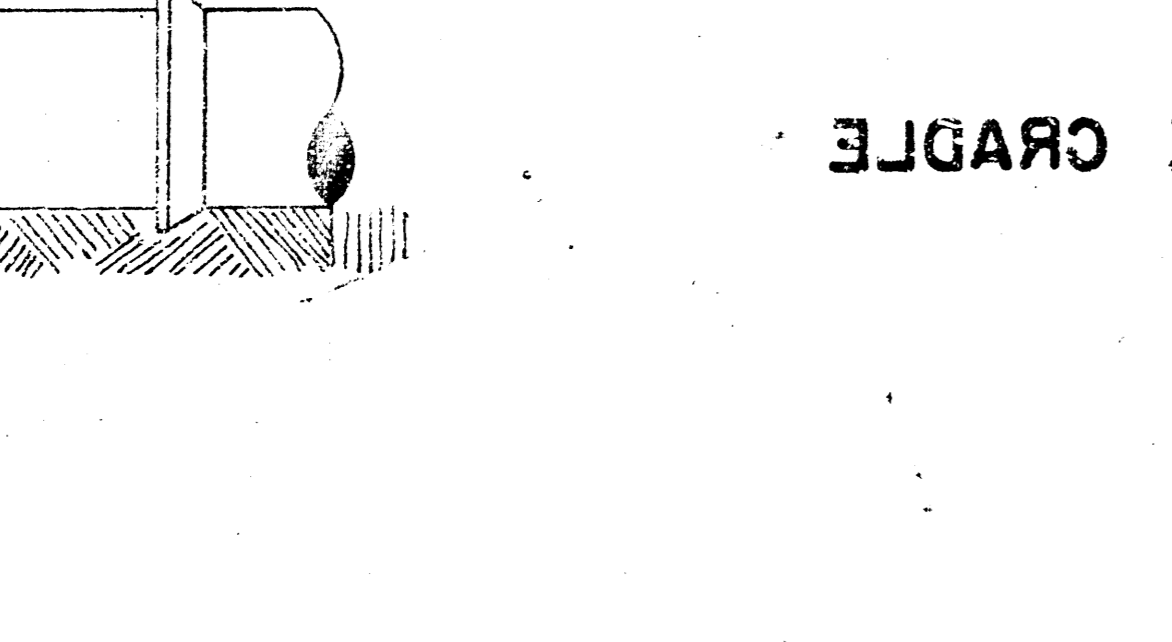
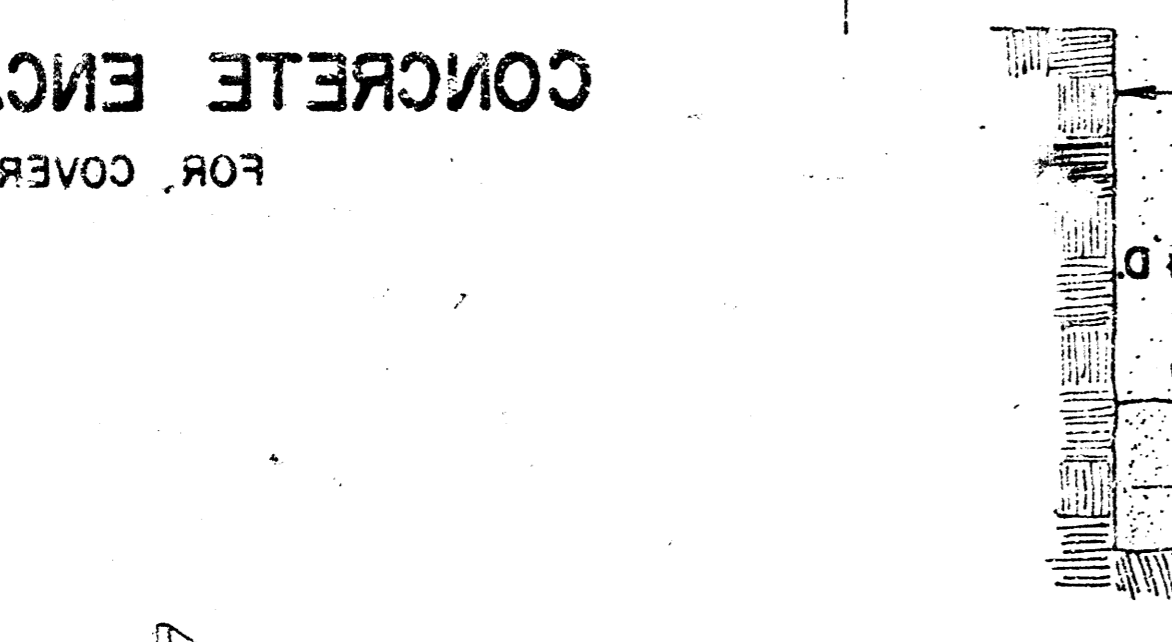
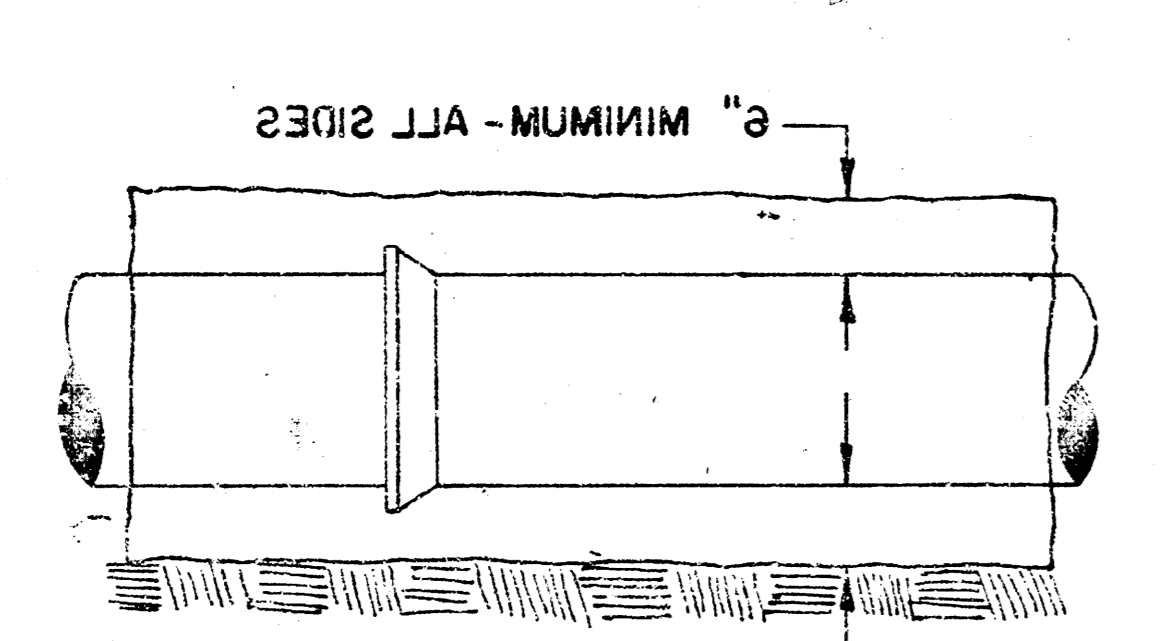
OUTSIDE DROP MANHOLE TYPE "B"



* DRAW = 6" ON 8" DIA. M.H.



DETAIL OF CONCRETE CRADLE



SEWER APPURTENANCES

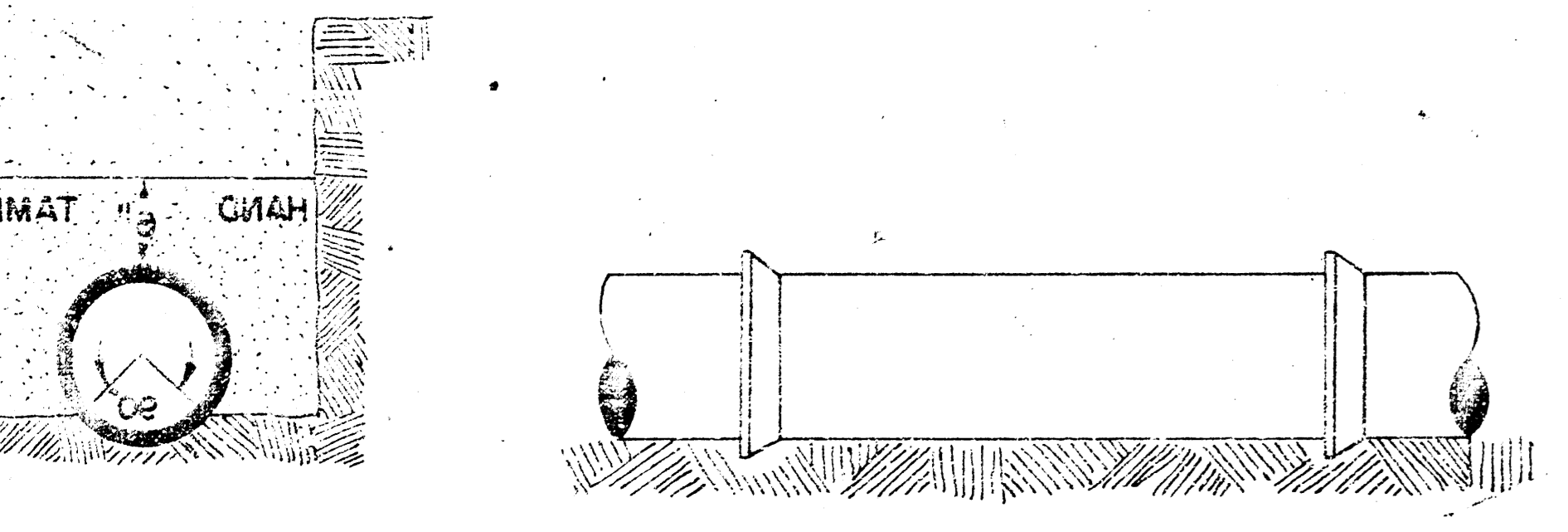
ADOPTED AS STANDARD DESIGN

BY

ENGINEERING DIVISION

CITY OF WICHITA - KANSAS

ORDINARY BEDDING METHOD



UNPAVED AREAS. (TYPICAL ALL MANHOLES)

GROUT TO BE PLACED AROUND MANHOLE RING ONLY WHEN MANHOLE IS CONSTRUCTED IN UNPAVED AREAS. (TYPICAL ALL MANHOLES)