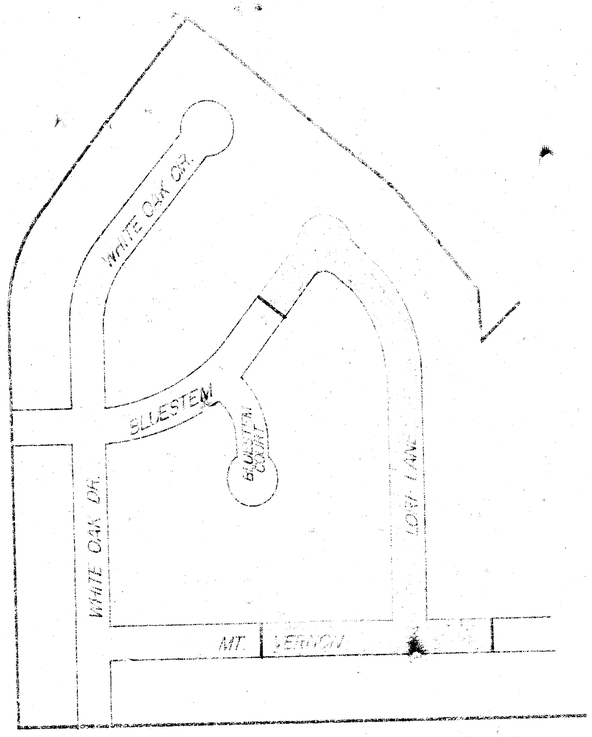
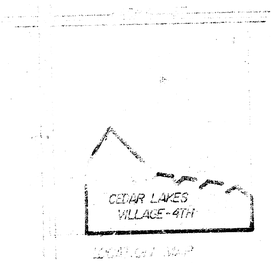
CEDAR LAKES VILLAGE - 4TH ADDITION

PROJECT NO. DAKS 575088

BLUESTEM - E.L. LOT 21, BLK. 3 TO & 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



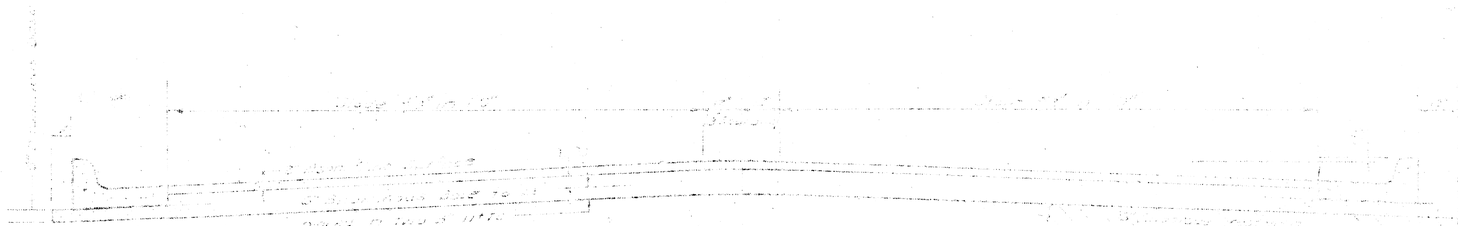
CITY of WICHITA
R.W. LINN - CITY ENGINEER



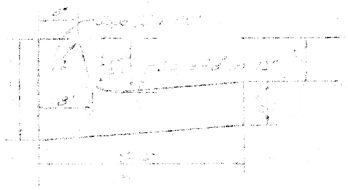
LOCATION MAP

CEDAR LAKES VILLAGE - 4TH ADDITION

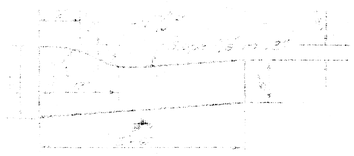
BLUESTEM - E.L. LOT 21, BLK 3, TO & INCLUDING CUL.-DE-SAC.
LORI LANE - N.L. MT. VERNON TO S.L. BLUESTEM.
MT. VERNON - E.L. LOT 4, BLK. 4, TO E.L. LOT 36, BLK. 3.



COMBINED CURB & GUTTER



TYPE CURB & GUTTER



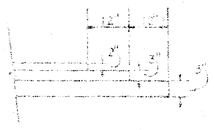
TYPICAL SECTION

33' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD 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 SPECIFICATION PAVING MACHINE HAVING AUTOMATIC ELECTRONIC CONTROLS FOR GRADE AND SLOPE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



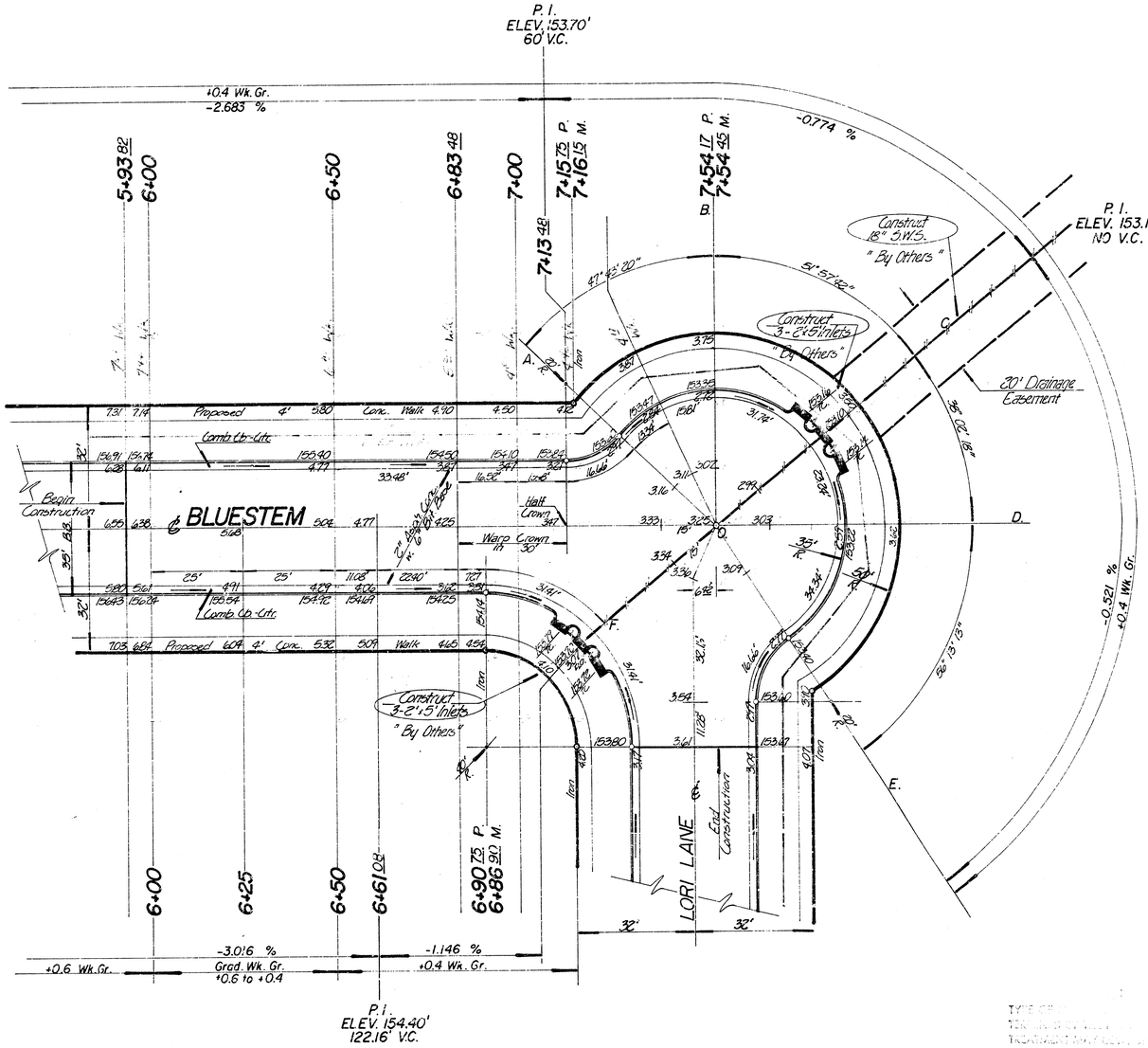
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN IN DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE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

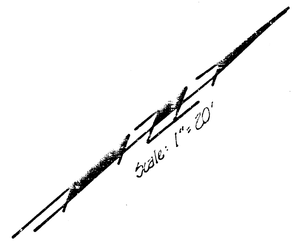
DAKS 575088

E/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.

℄ is ℄ Bluestem.





Note: Pavement Contractor to Co-ordinate Construction w/ S.W.S. Construction.

Earthwork Quantities

Property		City	
Excavation = 3307.9 cy.	Comp. Fill = 806.8 cy.	Excavation = 151.3 cy.	Comp. Fill = 0 cy.
+10 % = 330.8 cy.	+10 % = 80.7 cy.	+10 % = 15.1 cy.	
Total = 3638.7 cy.	Total = 887.5 cy.	Total = 166.4 cy.	

Manipulation = 5694.2 sy. Manipulation = 203.8 sy.

Construction to Allow for 28-15' Drives

TYPE OF [illegible] TEN [illegible] TREATMENT [illegible] CEMENT TREATMENT, SUBGRADE MODIFICATION, OR ANY COMBINATION OF THESE.

[illegible] TO BE [illegible]

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. OAKS 575088

DATE

3/10

Lori Lane
Stations

7+18 PT

PROP.

7+07 PT

0 10 20 30

155 150 155 150

7+54 PT

PROP.

OF

PROP.

0 10 20 30 40 50 60

155 150 50

PROP.

155 150 40

PROP.

155 150 30

PROP.

155 150 20

PROP.

155 150 10

PROP.

155 150 0

7+18 PT

PROP.

155 150

OF LT. FIN. = 25.5

7+13 PT

PROP.

155

OF LT. FIN. = 16.2

6+90 PT OF EL = 28.5

PROP.

155

6+80 OF EL = 28.1

150

PROP.

170 165

6+00

PROP.

170 165

5+93 PT

30 20 10 ℄ 10 20 30

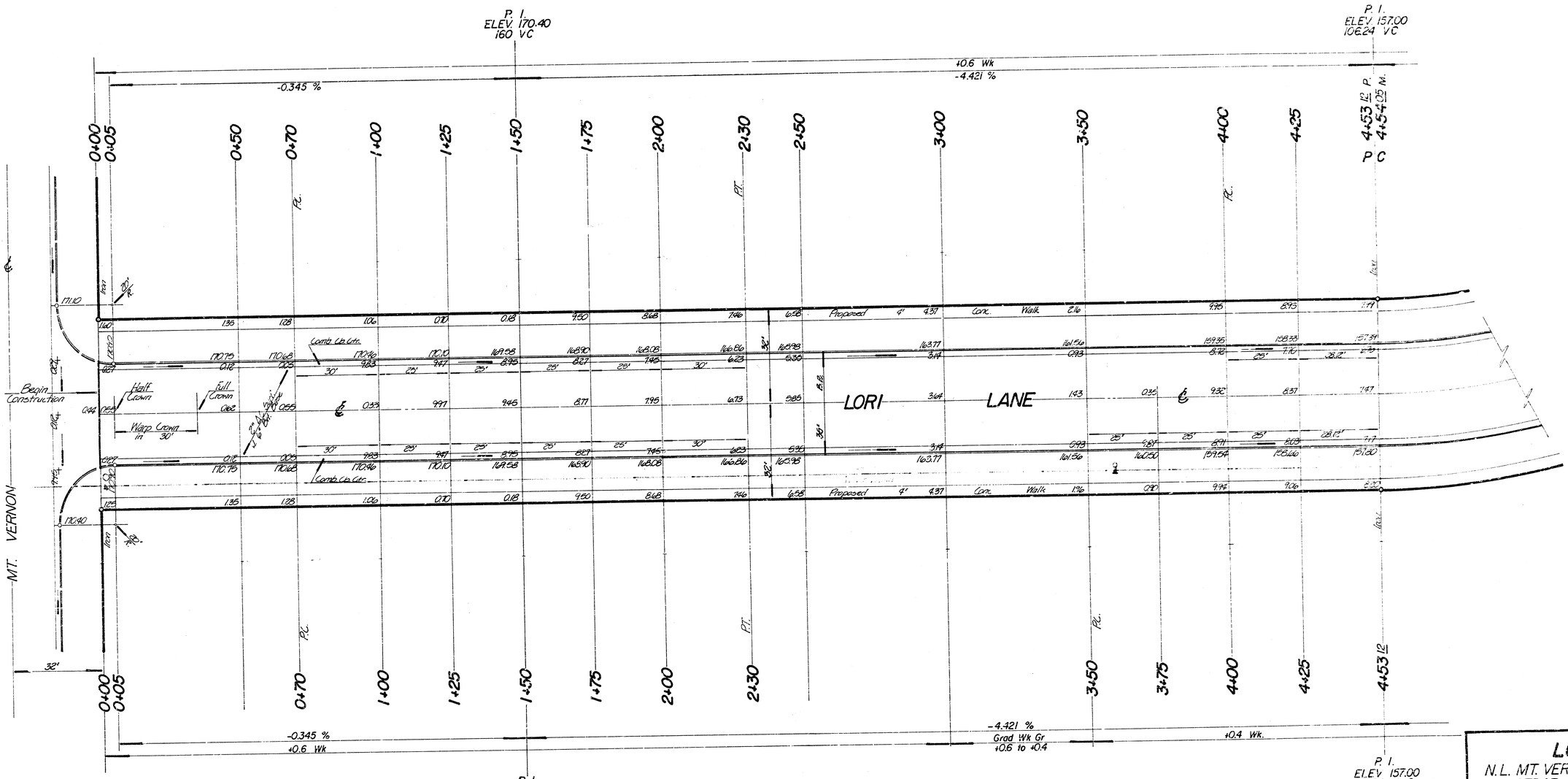
Earthwork Quantities

Prop.

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

Scale: 1"=30'



SUB-GRADE

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

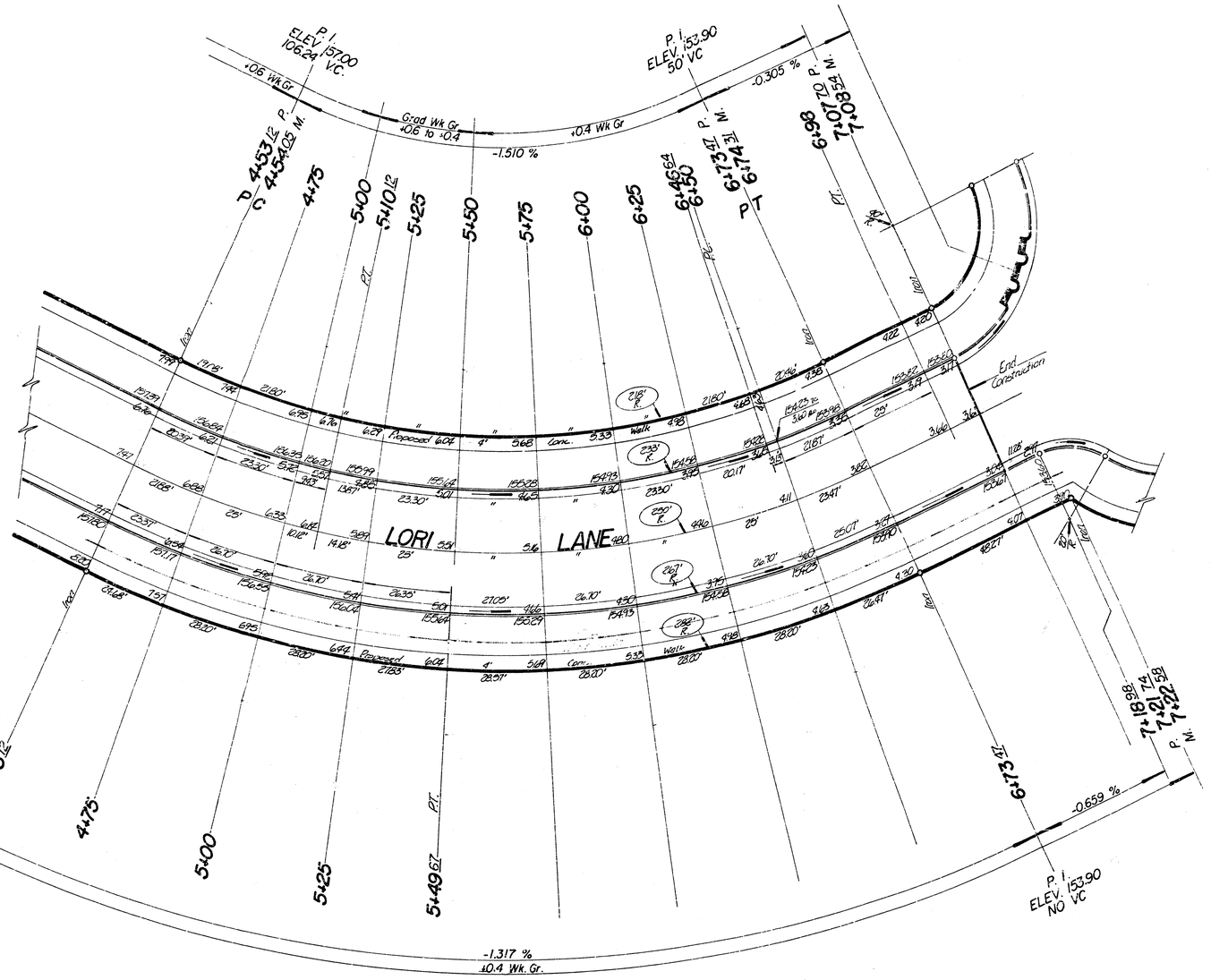
NOTE TO FIELD ENGINEER: Grade paving and excavate ramps for proposed sidewalk. Complete ramps shall TO BE CONSTRUCTED BY CONTRACT.

LORI LANE

N.L. MT. VERNON TO SL. BLUEST
CEDAR LAKES VILLAGE 4TH
35' B-B. 2" ASPH. CONC. SURF. w.
BIT. BASE & COMB. CR.-GTR.

CITY of WICHITA, KANSA

R.W. LINN — CITY ENGINE
PROJECT NO. — DAKS 575
DATE:



Scale: 1" = 50'

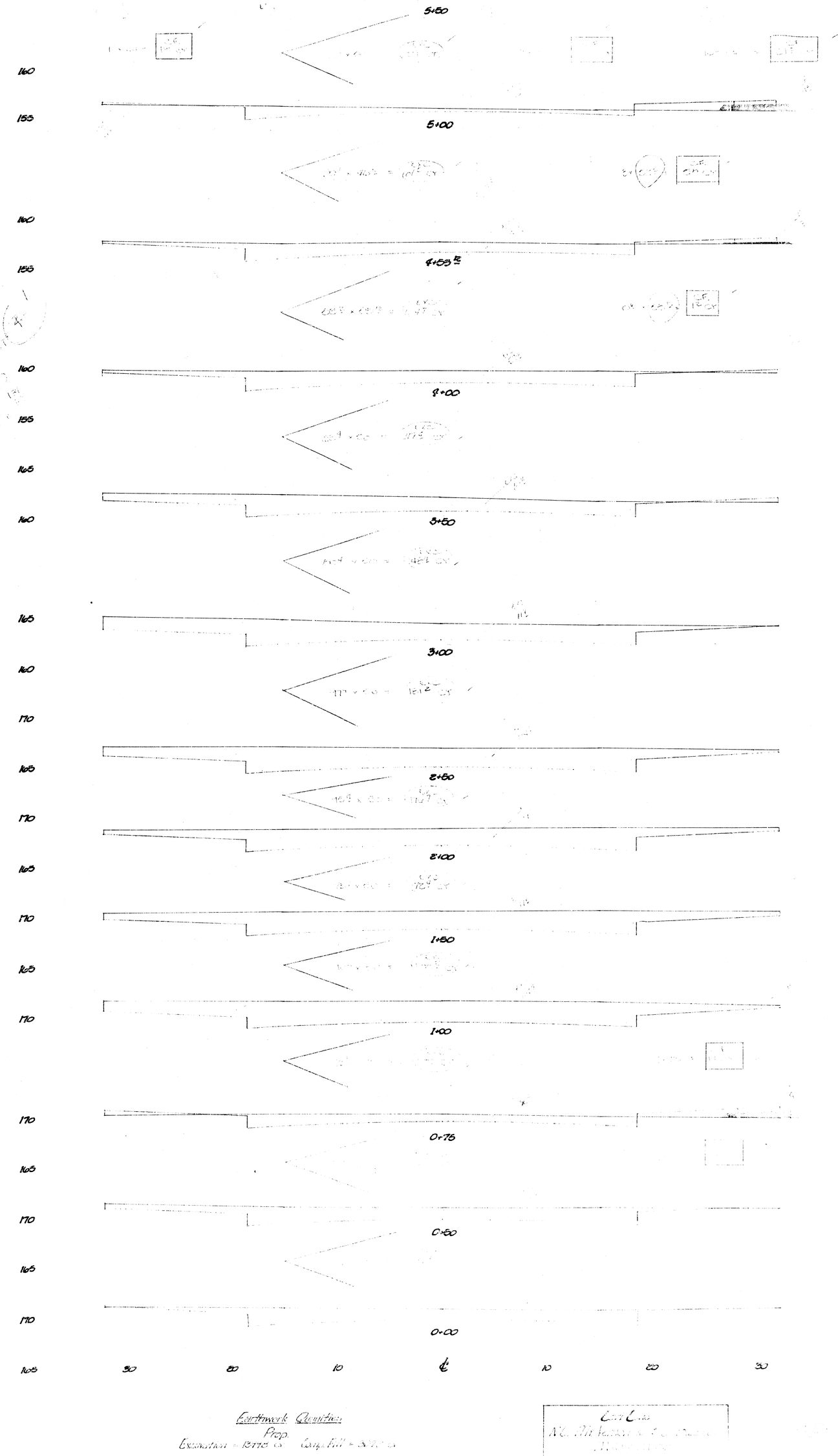
Δ = 50°30' R = 250' T. = 117.91' L = 220.35' LC. = 213.28'

CURVE DATA L.S. POINT ℄ BRNG. = 25°15' W

STA.	ARC	CHORD 8' L.	CHORD 8' R.	DEFLECTION	TOTAL DEFLECTION
4+53.12				0°00'00"	0°00'00"
4+75	21.88'	19.69'	24.06'	2°30'26"	2°30'26"
5+00	25'	22.49'	27.49'	2°51'53"	5°22'19"
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+73.41	23.41	21.12'	25.81'	2°41'21"	25°15'00"

Deflection I.P. = 6.875494 11 11 in.

LORI LANE
DAKS 575088



Earthwork Quantities
Prop.
Excavation = 12770 CY Emb. Fill = 3[illegible] CY

Carl Cole
NC Multimodal [illegible]
[illegible]

155

7+07.70

150

155

6+73.87

150

156

6+50

150

155

6+00

150

155

5+50

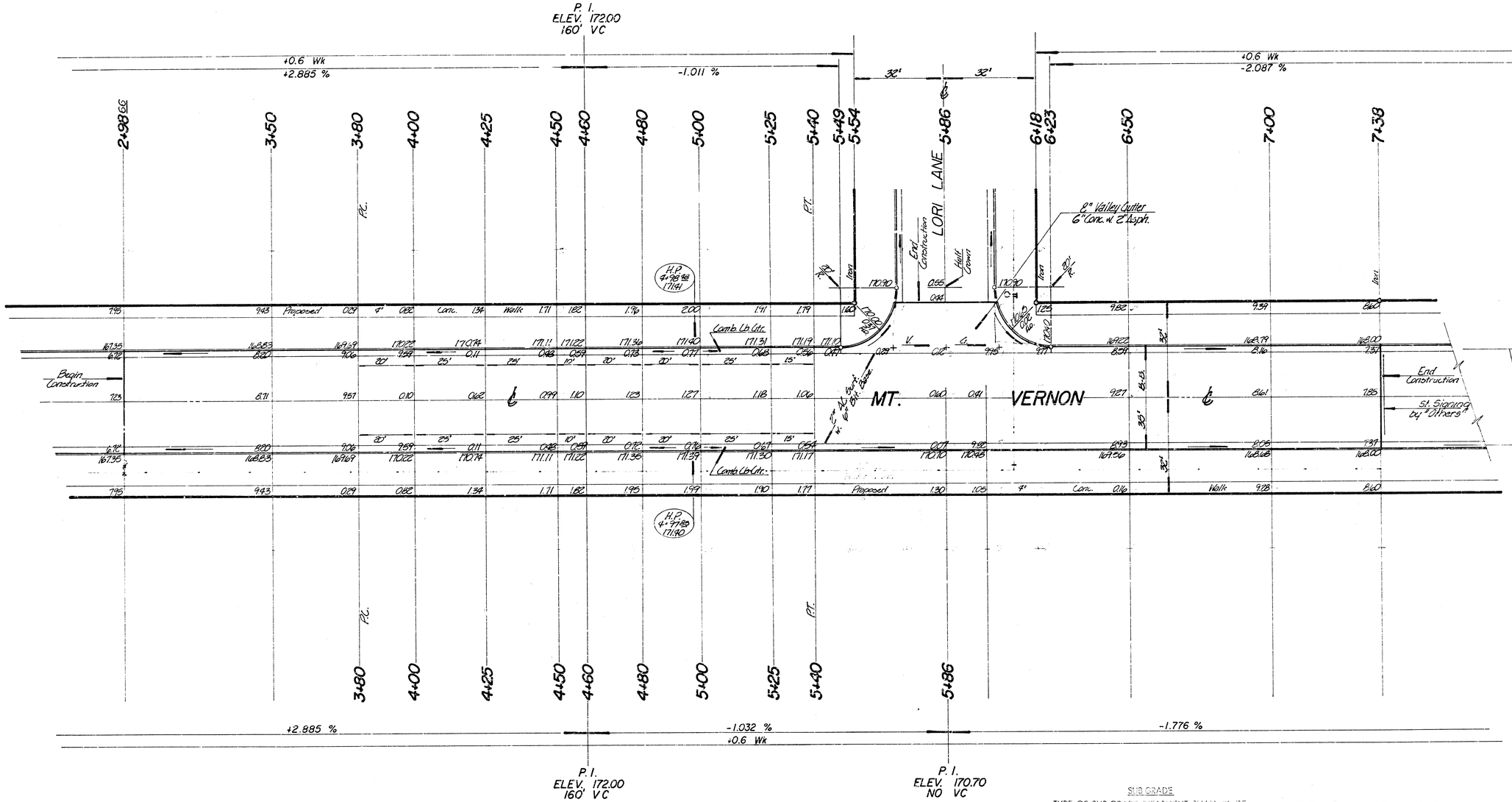
150

30 20 10 ℄ 10 20 30

Cori Con

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

℄ is ℄ Mt. Vernon.



SUB GRADE

TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY FIELD AND LABORATORY 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 drive right of way for pipe plank sidewalks & [illegible] to be constructed [illegible]

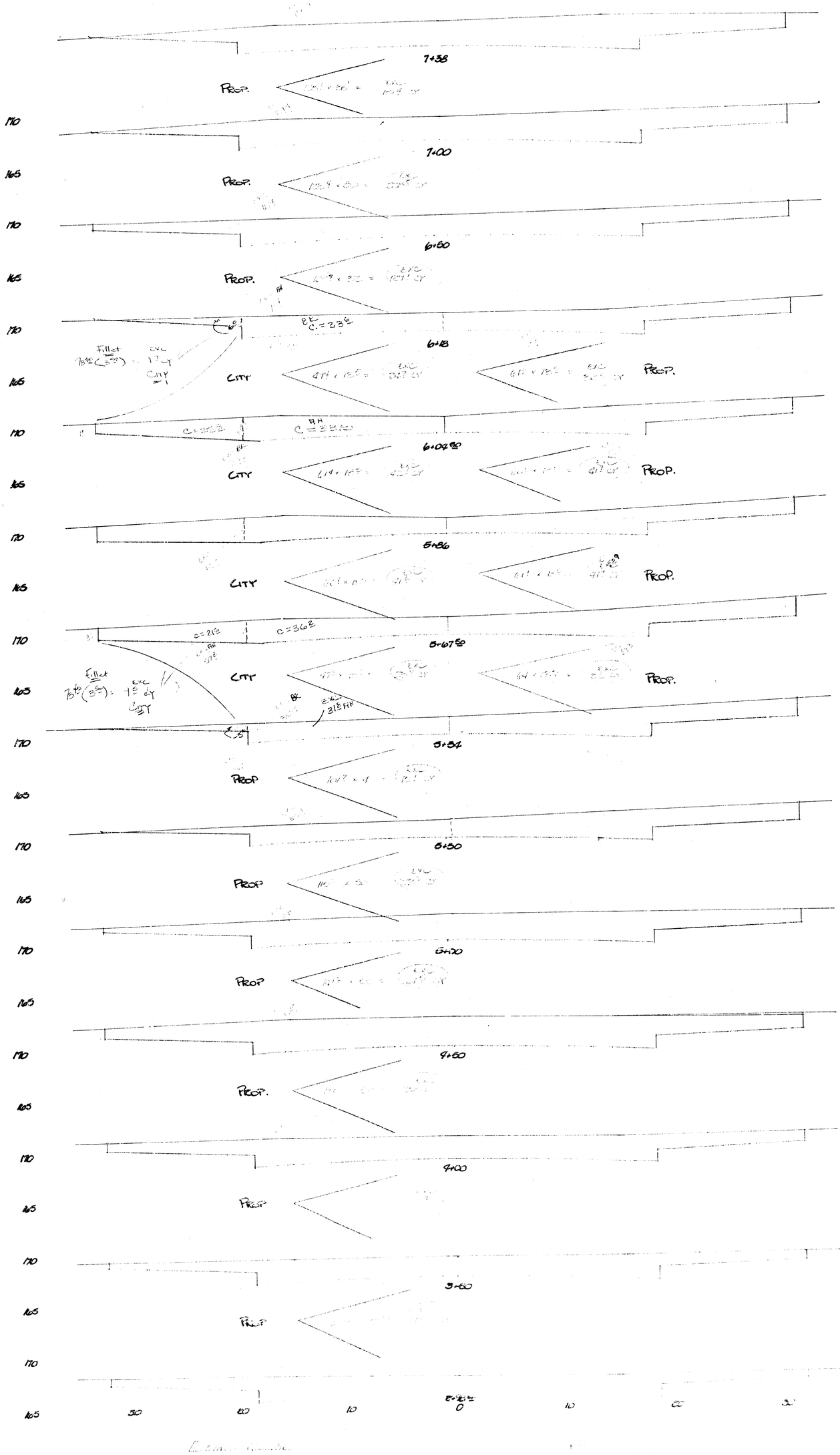
MT. VERNON

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 :

9/10


170
165
7+38
PROP.
170
7+00
165
PROP.
170
6+50
165
PROP.
170
6+13
Fillet
CITY
165
CITY
PROP.
170
6+04.50
165
CITY
PROP.
170
5+86
165
CITY
PROP.
170
5+67.50
165
CITY
PROP.
170
5+54
PROP
165
170
5+50
PROP
165
170
5+20
PROP
165
170
4+80
PROP.
165
170
4+00
PROP
165
170
3+60
PROP
165
170
165
50
50
10
0
10
50
50

Plan Scale: 1" = 20'

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

0+20 0+80 2+35.69 2+48.28 2+45.69

Lot 25, Blk 3

Reset "A"

Note: Reinf. Conc. End Section Incidental to Cost of Pipe

10' Concrete Encasement

20' Drainage Easement

10'

Construct 18" R.C.P.

Lot 28, Blk 3
Lot 12, Blk 3

Drainage Dedication

Construct 3-2'x5' Inlets

Lori Lane

Bluestem

Construct 3-2'x5' Inlets

Note: All 2'x5' Inlets To Be Type 1A Construction

Trench

6" All Sides

6 Sack Paving Mix

Typical Section "A" Concrete Encasement.

0+20 Begin Const.

0+87 N. Page Line

155

150

145

Same Inlet

Same Inlet

Proposed Pavement

Existing Ground

Temp. Backfill Incidental to Project

D.H.W. 1446.7

18" R.C.P.

Design F.G. 1395.3

10' Concrete Encasement See Typical Section "A" Above

Conc. Rip-Rap Incidental to Project

228 L.F. 18" R.C.P. @ +3.289 %

65 L.F. 18" R.C.P. @ +0.791 %

As built 8-31-77

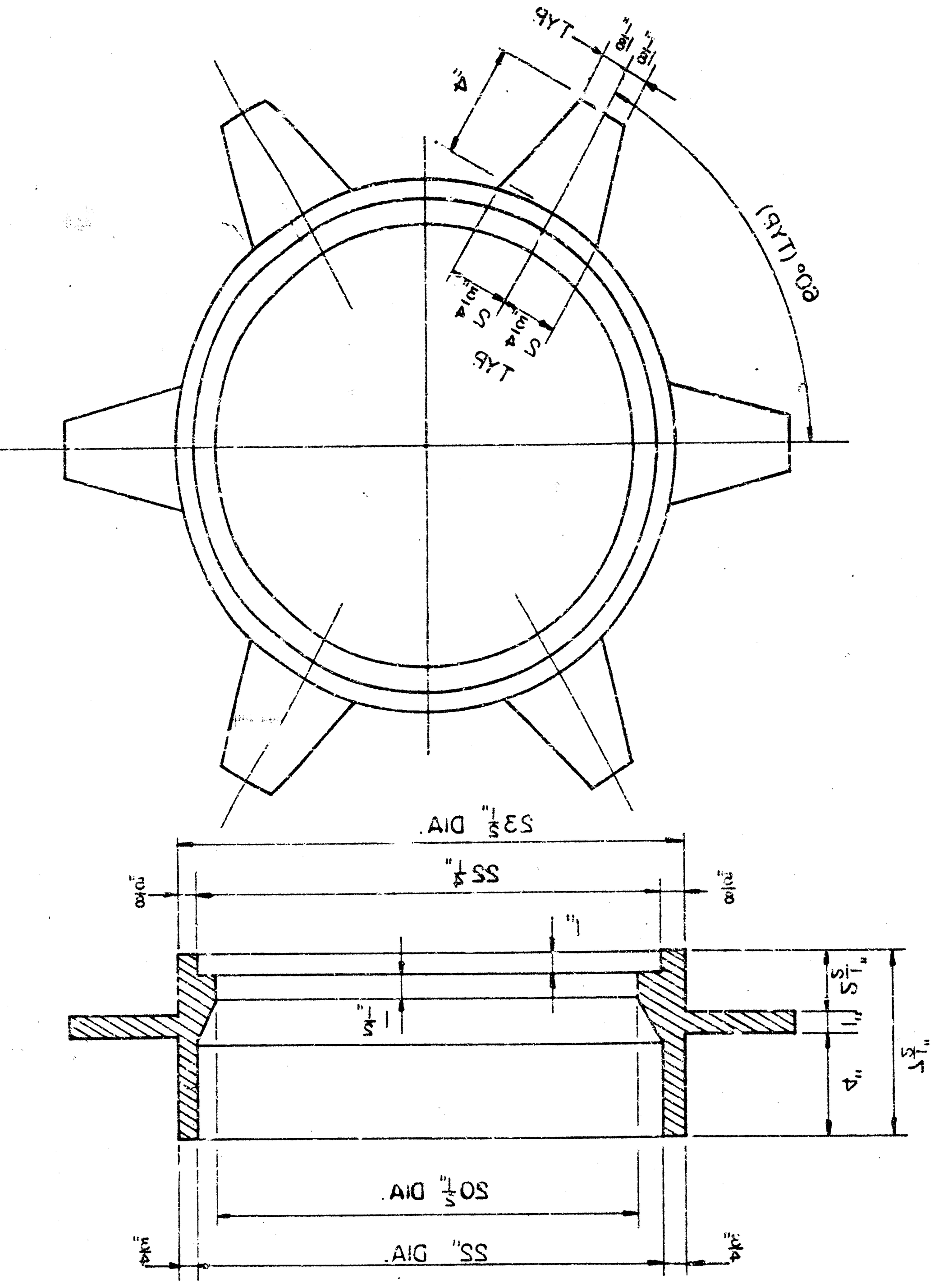
DRAINAGE IN CONNECTION WITH CEDAR LAKES VILLAGE--

CITY of WICHITA

R. W. LINN CITY ENGINEE

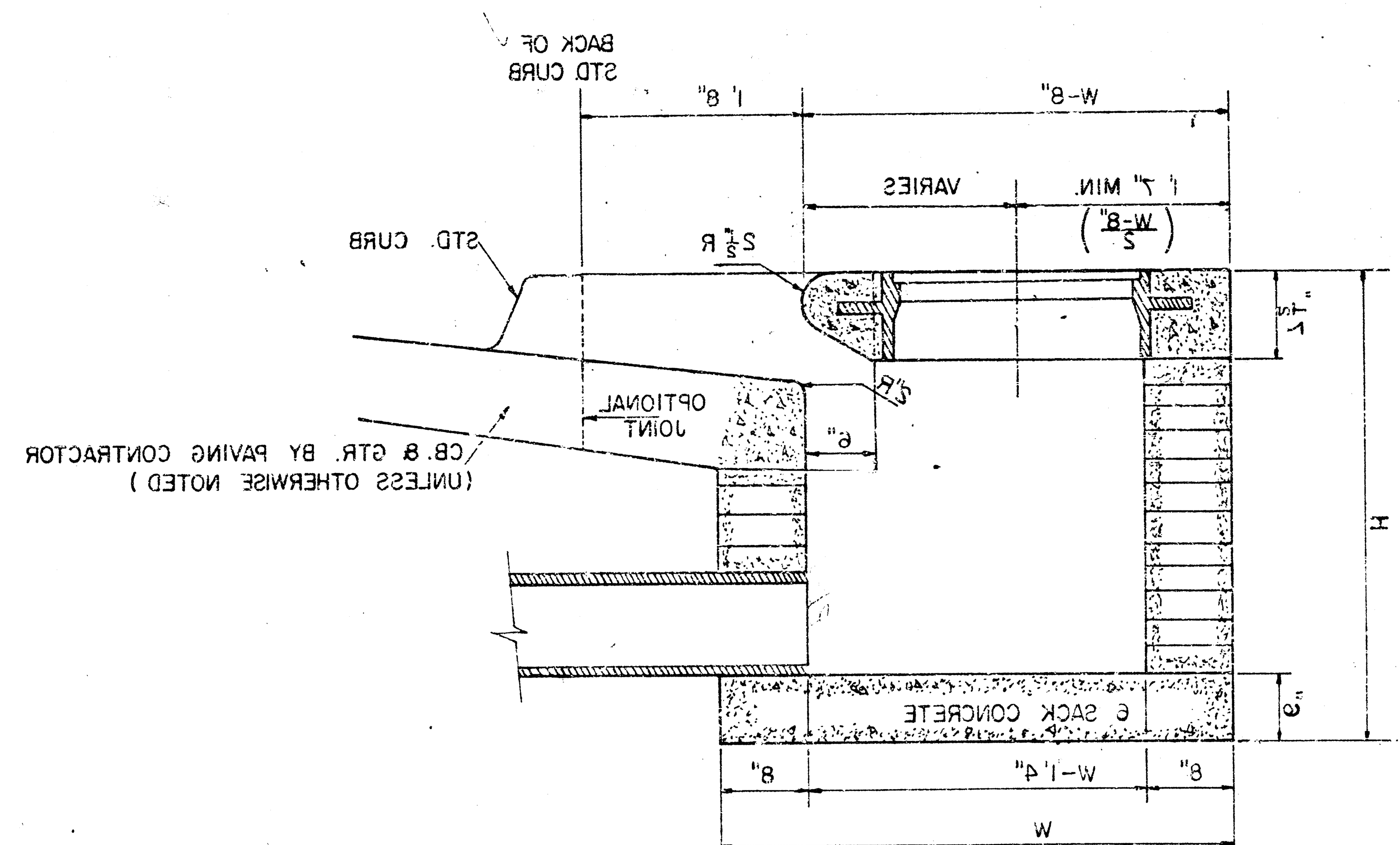
PROJECT NO. DAKD 5750

DATE



MANHOLE RING.
SEE SEWER APPURTENANCES DETAIL
SHEET FOR MANHOLE COVER.

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



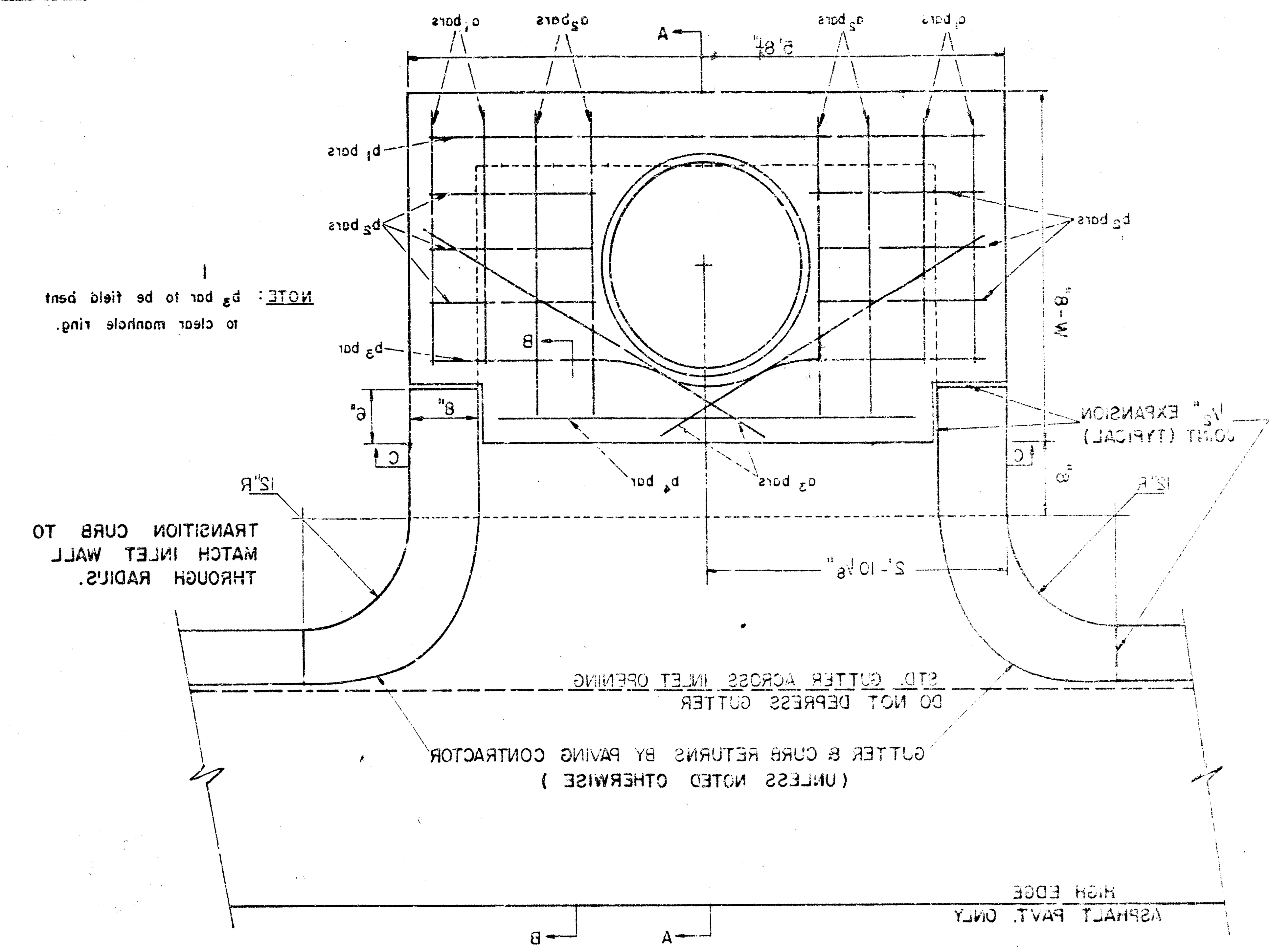
SECTION A-A
(SCALE 1" = 1'0")

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
3'10"	3'2" x 5'8 1/4" x 7 1/2"	24" & SMALLER	0.42*
4'10"	4'2" x 5'8 1/4" x 7 1/2"	30" & 36"	0.55*
5'10"	5'2" x 5'8 1/4" x 7 1/2"	42" & 48"	0.68*
6'10"	6'2" x 5'8 1/4" x 7 1/2"	54" & 60"	0.82*

* GROSS VOLUME

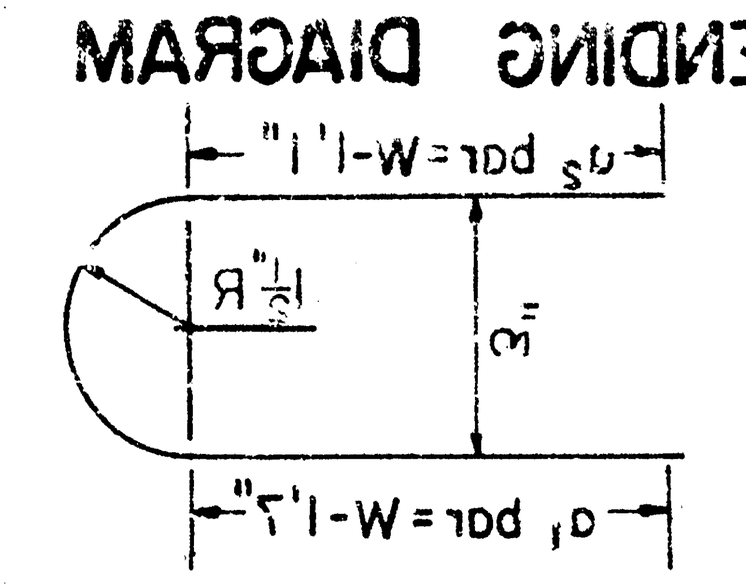
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.

NOTE: b_3 bar to be field bent to clear manhole ring.



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

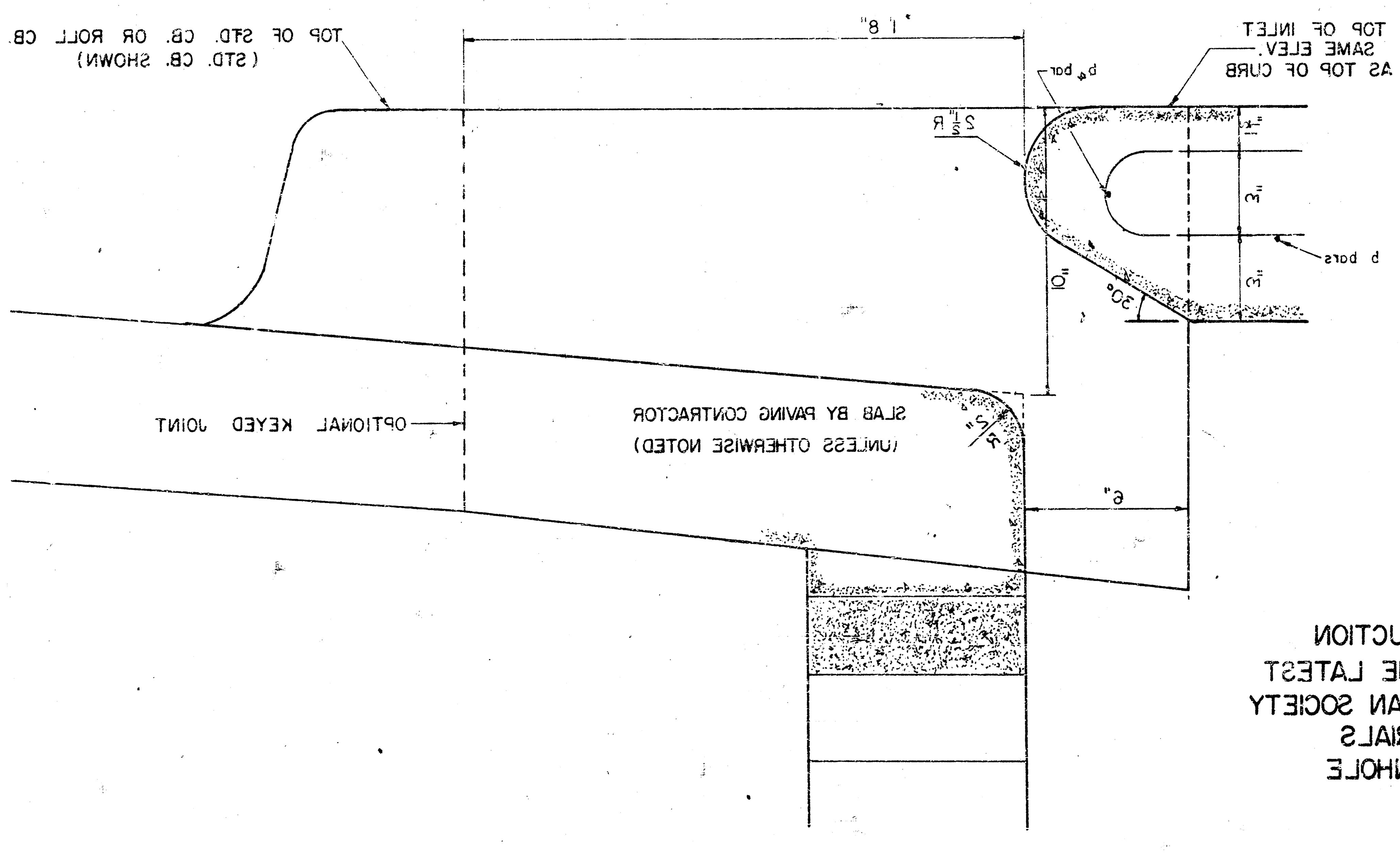
BENDING DIAGRAM



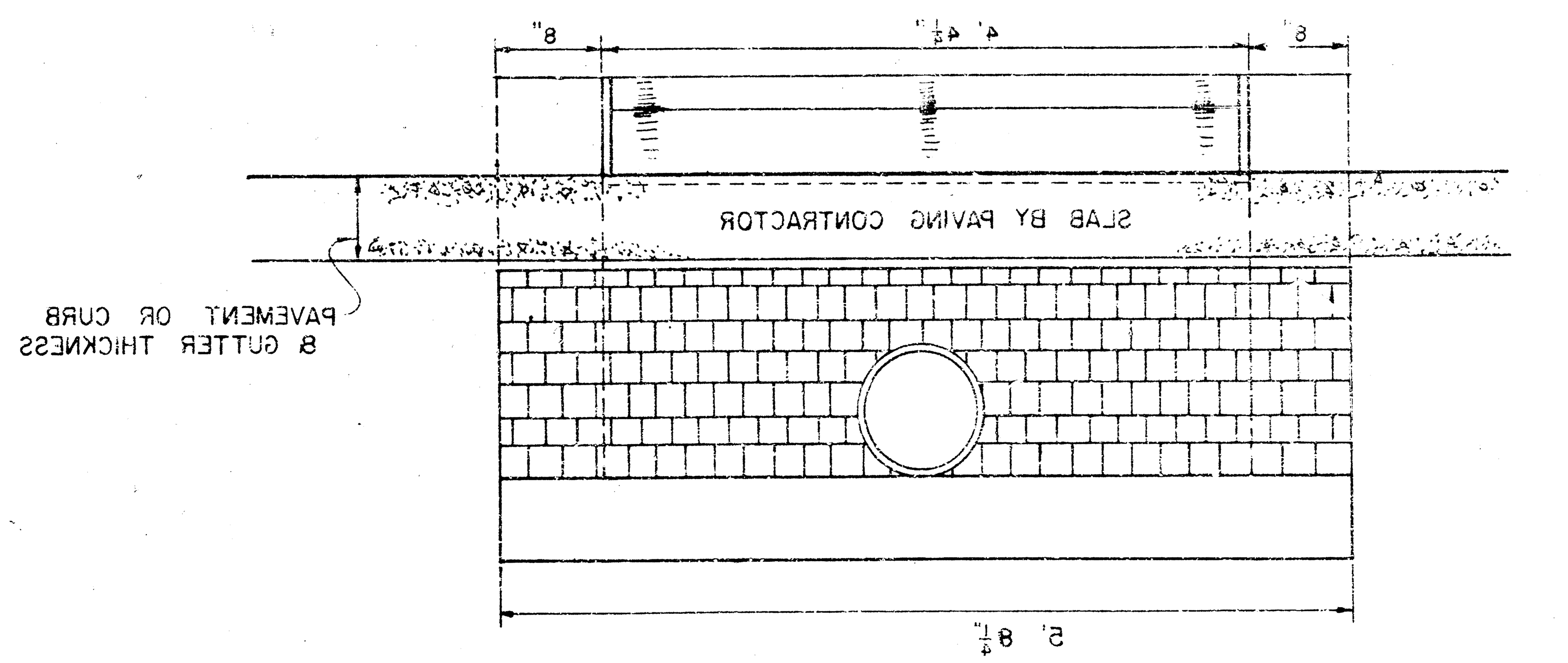
STEEL SCHEDULE

BAR		a_1	a_2	a_3*	b_1 w=3'10"	b_1 w=4'10"	b_1 w=5'10"	b_1 w=6'10"	b_2	b_3	b_4	Wt. Lbs.
NUMBER		4	4	2	1	3	5	7	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	w=3'10"	4'9"	5'9"	3'7"	5'5"	—	—	—	1'7"	5'6"	4'0"	53
LENGTH	w=4'10"	6'9"	7'9"	4'7"	—	5'5"	—	—	1'7"	5'6"	4'0"	72
LENGTH	w=5'10"	8'9"	9'9"	5'7"	—	—	5'5"	—	1'7"	5'6"	4'0"	91
LENGTH	w=6'10"	10'9"	11'9"	6'7"	—	—	—	5'5"	1'7"	5'6"	4'0"	110

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER.



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



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

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.

DETAIL
STANDARD TYPE IA CURB INL
(SET BACK LOCATION)

CITY OF WICHITA, KANSAS
R.W. LINN-CITY ENGINEER
FEBRUARY 1975

CITY OF WICHITA - KANSAS
ENGINEERING DIVISION
BY
ADOPTED AS STANDARD DESIGN
SEWER APPURTENANCES
DETAILS OF

ORDINARY BEDDING METHOD
SANITARY SEWER PIPE

DETAIL OF CONCRETE CRADLE

CONCRETE ENCASEMENT
FOR COVER

REINFORCED CONCRETE ENCASEMENT
FOR STRENGTH

SECTION A-A
SECTION B-B

MANHOLE RING

SECTION

MANHOLE COVER

SECTION A-A

MANHOLE COVER
WEIGHT 110 LBS.

TOP VIEW

MANHOLE RING
TOP VIEW

WEIGHT 350 LBS. RING NO. 2000
WEIGHT 800 LBS. RING NO. 2000

DETAIL OF DROP STACK

GENERAL NOTES

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 = 8, ON 8, DIA. M.H.

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