

32ND ST. N. E.L. FAIRVIEW TO W.L. PARK PLACE

33RD ST. N. E.L. WELLINGTON PLACE TO EL. PARK PLACE

34TH ST. N. E.L. FAIRVIEW TO W.L. WELLINGTON PLACE

34TH ST. N. E.L. WELLINGTON PLACE TO W.L. PARK PLACE

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- GENERAL NOTES:
- CONSTRUCTION OF THIS PROJECT IS TO BE COORDINATED WITH THE CONSTRUCTION OF THE FOLLOWING PROJECTS:
 1) PARK PLACE - S.L. 32ND TO S.L. 30TH, PROJECT NO. 472-76-245-81190-000-001.
 2) WELLINGTON PLACE - S.L. 32ND TO S.L. 33RD, PROJECT NO. 472-76-245-81219-000-000-001.
 3) WELLINGTON PLACE - S.L. 33RD TO S.L. 35TH, PROJECT NO. 472-76-245-81235-000-000-001.
 - TREES WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED ONLY AT THE DIRECTION OF THE FIELD ENGINEER.
 - MAILBOXES WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REPLACED AS APPROVED BY THE FIELD ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO MAKE SATISFACTORY PROVISIONS FOR MAIL DELIVERY TO PROPERTIES AFFECTED BY THIS PROJECT DURING CONSTRUCTION.
 - ALL ENTRANCE AND CROSS-ROAD DRAINAGE PIPES WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR. (THIS DOES NOT INCLUDE PIPE ON 33RD ST., EAST OF THE E.L. OF PARK PLACE, SAID PIPE BEING BEHIND THE OFFICIAL PROJECT LIMITS.)
 - FENCE REMAINING IN PUBLIC R.O.W. AT THE TIME OF CONSTRUCTION SHALL BE REMOVED AND SALVAGED BY CONTRACTOR AND GIVEN TO THE ADJACENT PROPERTY OWNERS. IN THE EVENT THAT THE PROPERTY OWNER DOES NOT WANT THE FENCE MATERIAL, THE CONTRACTOR SHALL DISPOSE OF SAME IN A MANNER ACCEPTABLE TO THE FIELD ENGINEER.

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PROJECT NO. 472-76-245-81328-000-000-001

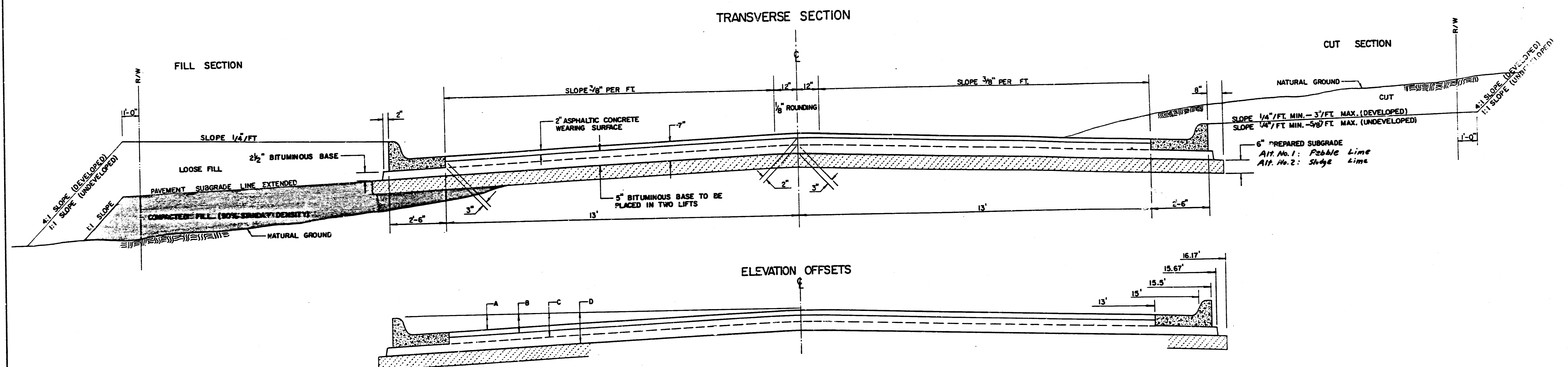
CITY OF WICHITA M. E. LINDEBAK CITY ENGINEER

LANDCO ENGINEERING CONSULTANT ENGINEER

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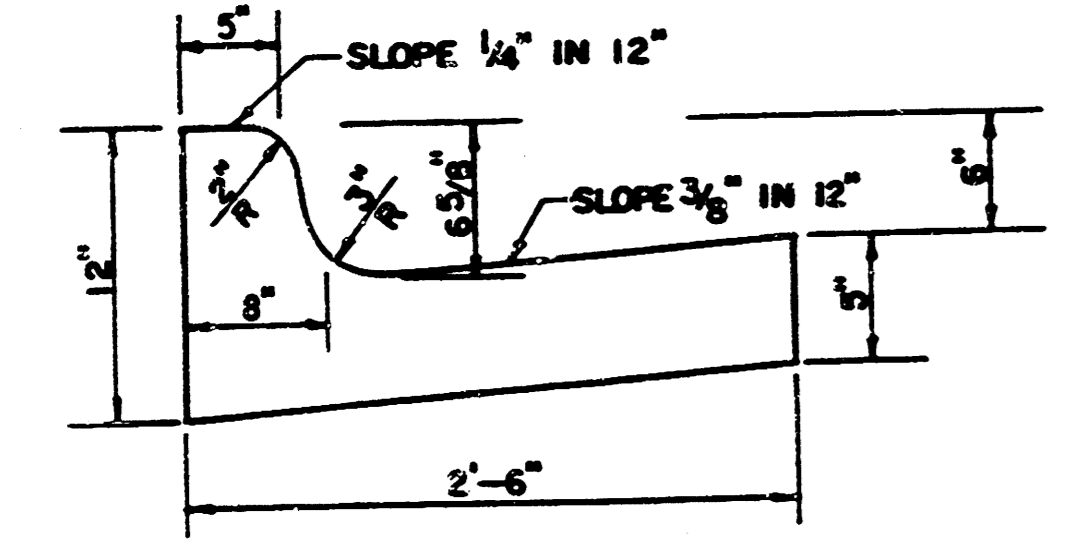
TYPICAL 31' PAVEMENT DETAILS

(32nd Street N. and 34th Street N.)

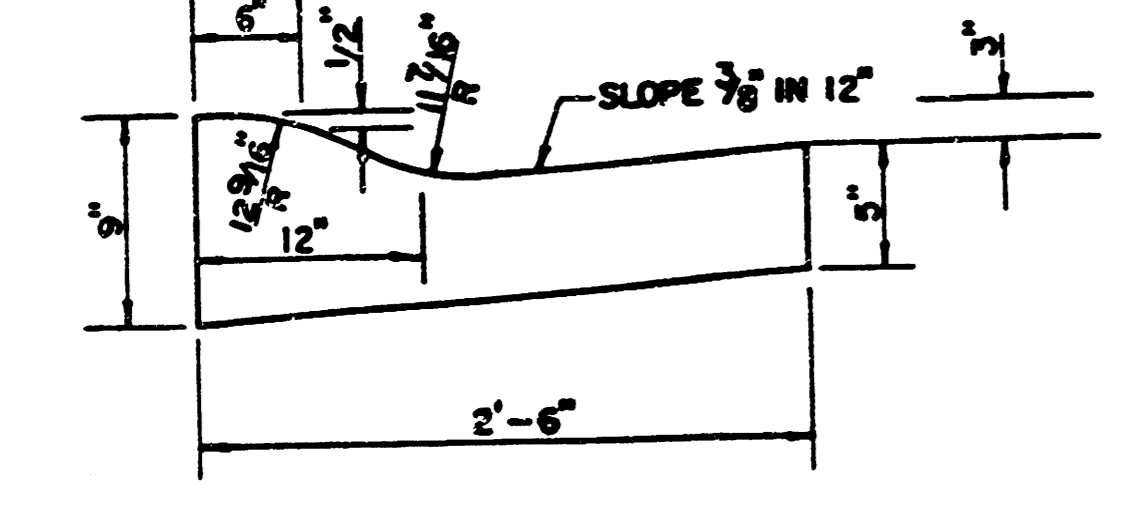


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.48	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



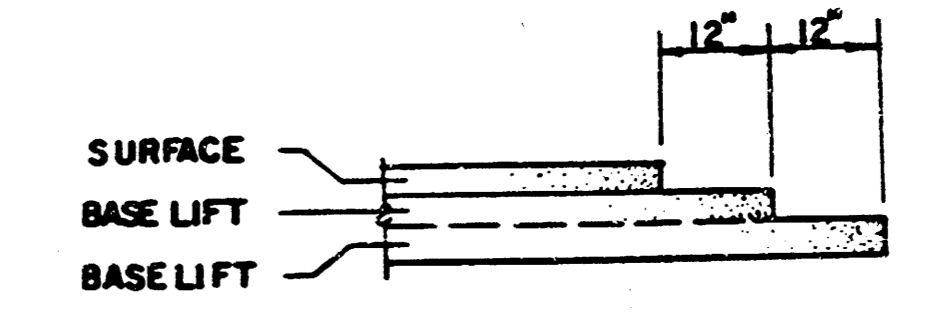
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS

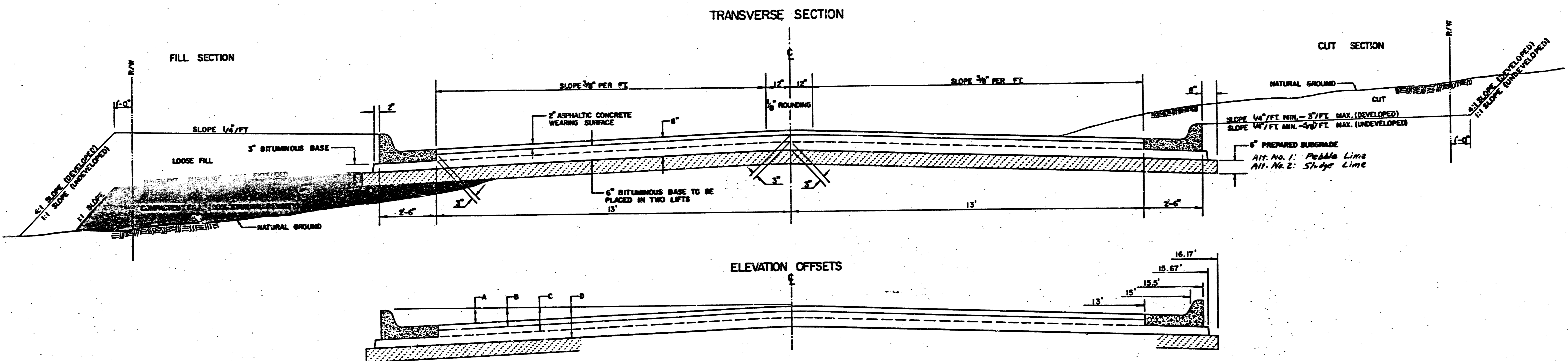


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

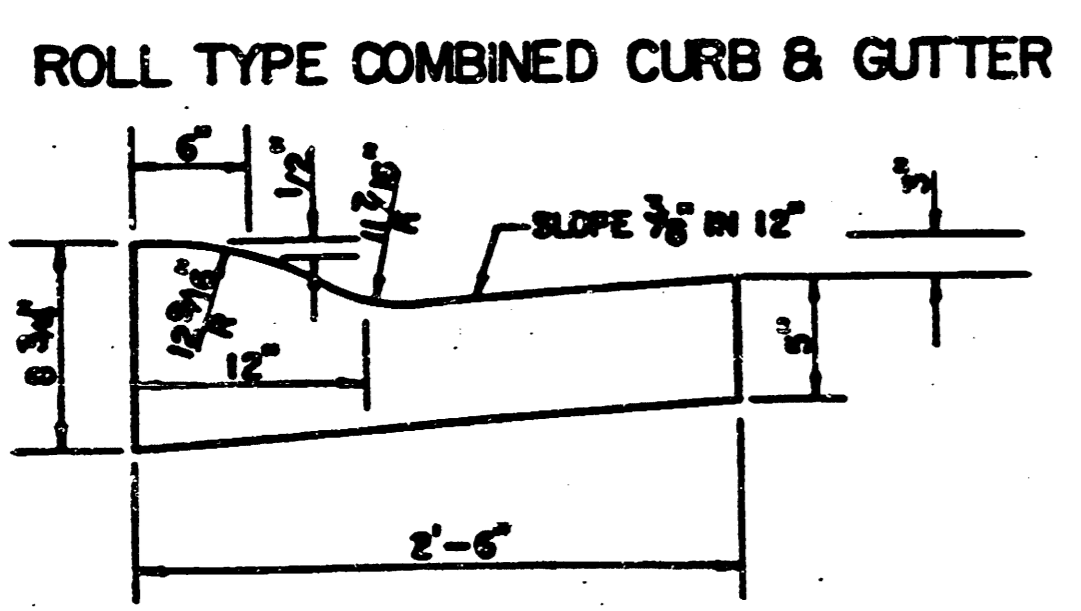
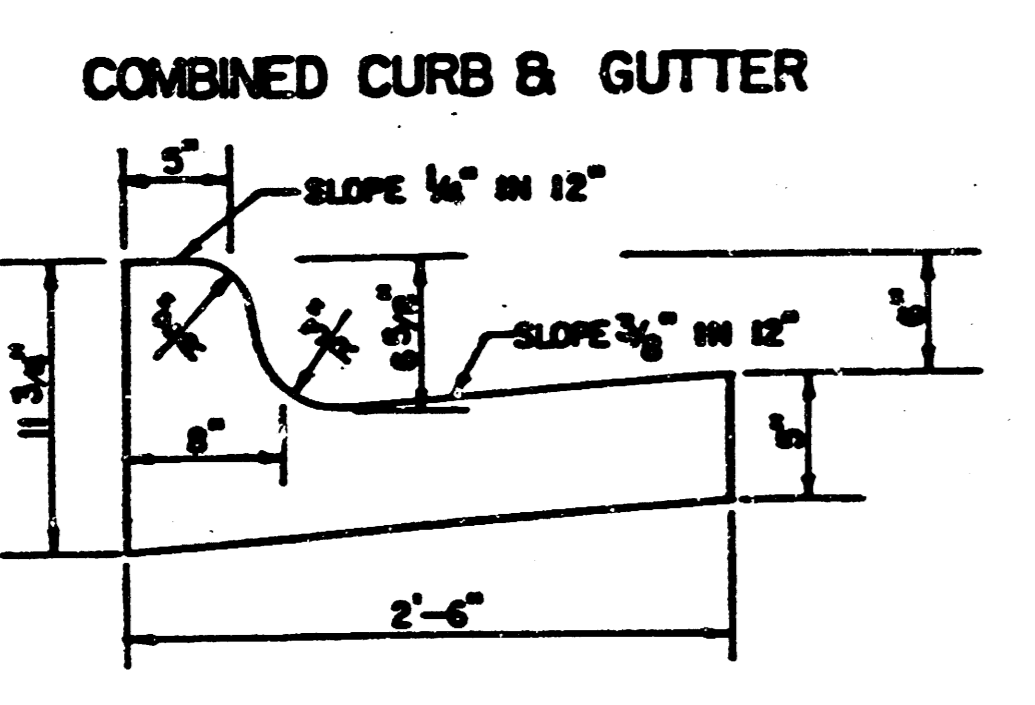
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE
 CITY OF WICHITA, KANSAS
 PROJECT NUMBER
 472-76-245-81328-000-000-001

TYPICAL 31' PAVEMENT DETAILS

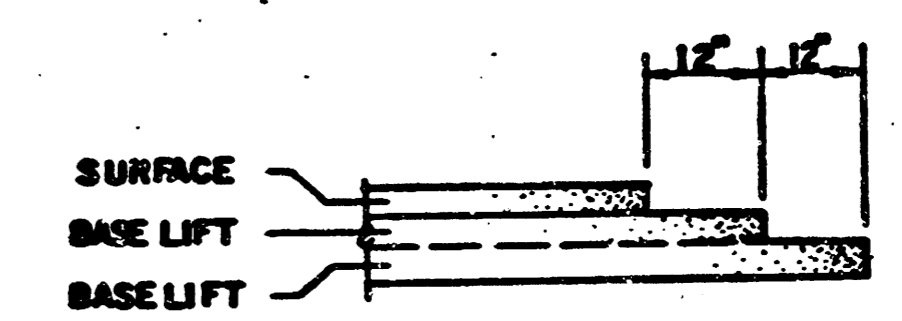
(33rd St. N.)



	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	15'	15.5'	15.67'	16.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.10	.14	.21	.27	.32	.39	.46	.48	---	---	---	---
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.27	.31	.37	.44	.48	.56	.62	.65	---	---	---	---
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.52	.56	.62	.69	.73	.81	.87	.90	.97	.98	.99	---
D: TOP OF CURBS TO TOP OF SUBGRADE	.77	.81	.87	.94	.98	1.06	1.12	1.15	1.22	1.23	1.24	1.25



TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

GENERAL NOTES

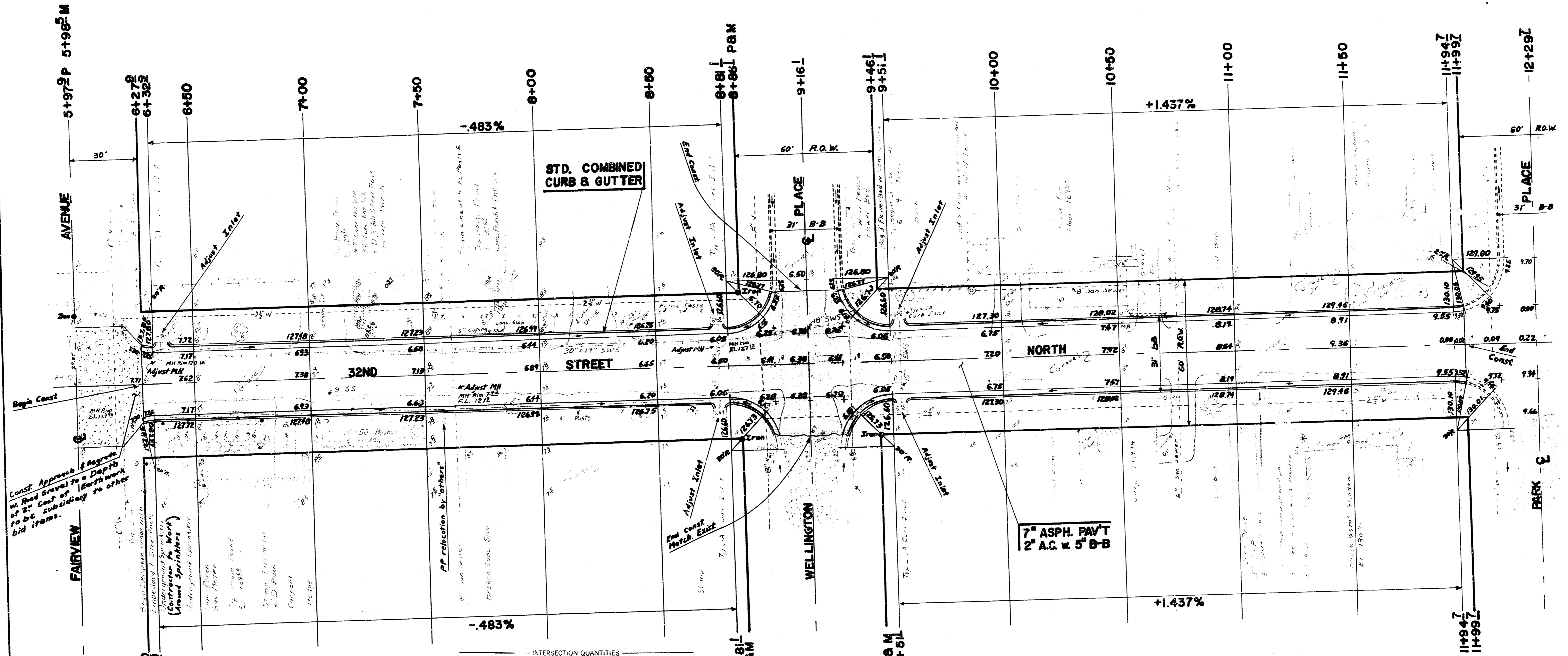
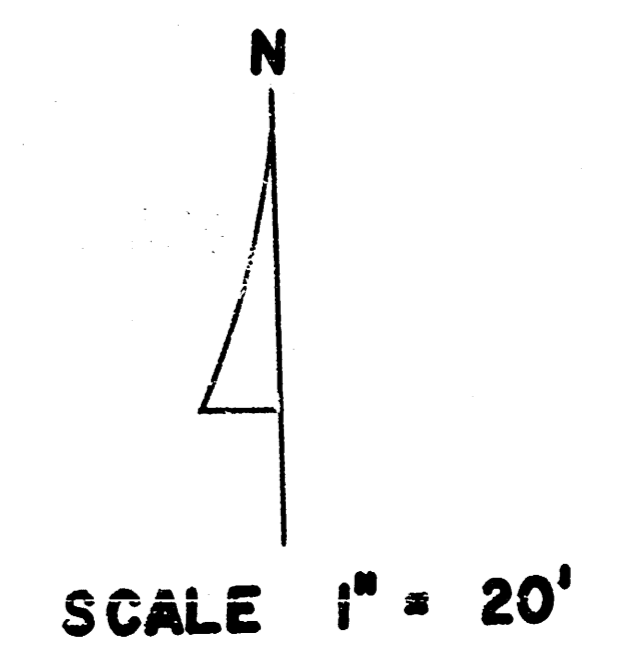
- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE
 CITY OF WICHITA, KANSAS
 PROJECT NUMBER 472-76-245-81326-000-000-001 3/12

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B.M. 130.34 SE corner Porch @ 236 W.
 32nd St. N.
 B.M. 130.80 RR Spk. W. Face PP @ S.E.
 Corner Park Place & 32nd St.
 B.M. 126.90 "x" on S-end return, S.W.
 corner 32nd & Wellington Place

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED IN HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.



Const. Approach to Regrade W. Road Gravel to a Depth of 2' Cost of 18000 work to be subsidiary to other bid items.

INTERSECTION QUANTITIES

8.5	Concrete Pavement
376.1	S.Y. Asphaltic Conc. Pavement (2 1/2" Bituminous Base)
32.5	S.Y. Bituminous Base
109.5	LF Combined Curb & Gutter
	LF Integral Curb
	S.F. 4" Wheelchair Ramp
	S.F. Walk
200.9	C.Y. Excavation
	C.Y. Casted Fill
	Lbs. Reinforcing Steel
391.2	S.Y. Manipulation
	Tons for Cement
	S.Y. Concrete & Asphaltic Concrete

Actual Excavation	3,037	CY
+10%	304	CY
Total	3,341	CY
Manipulation	5808	S.Y.

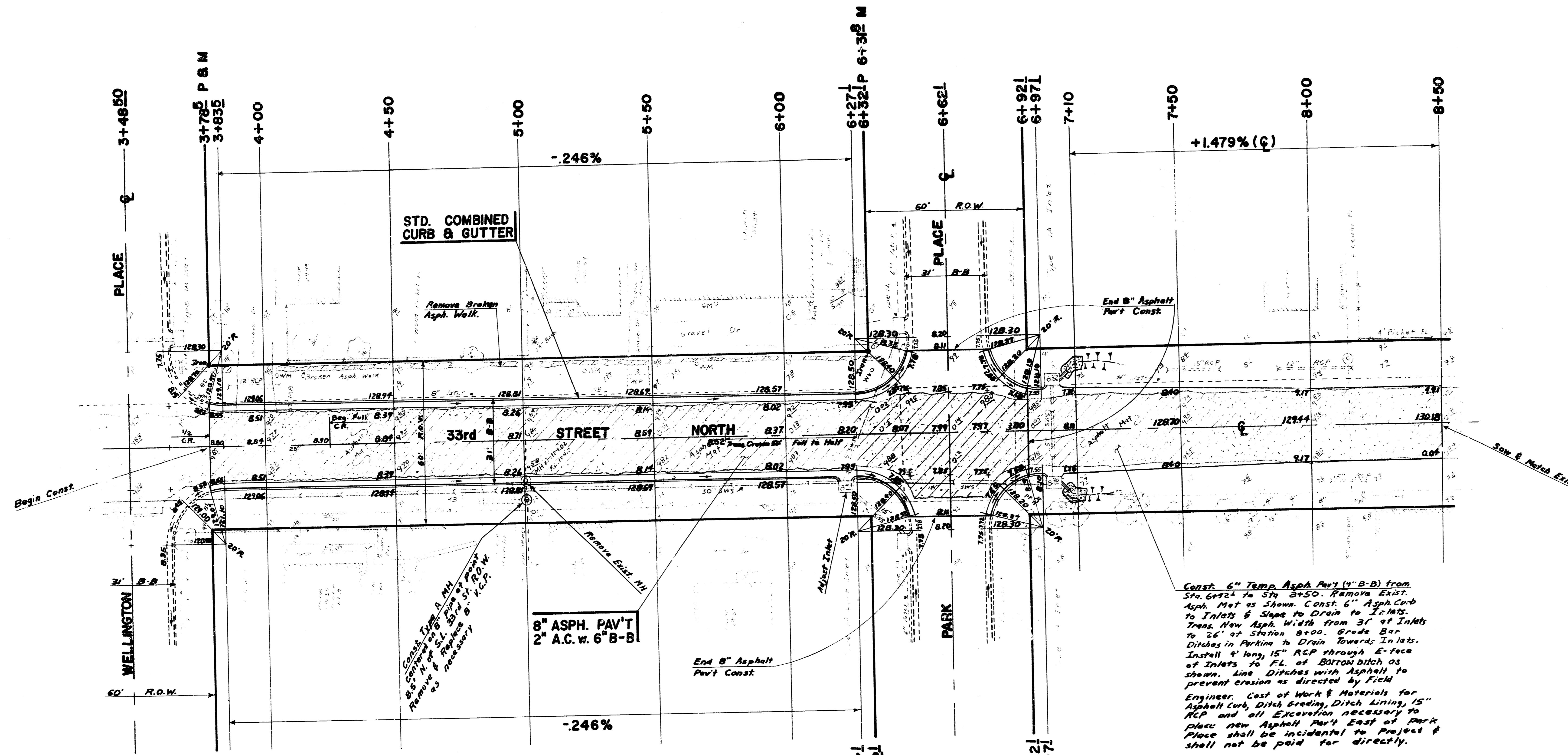
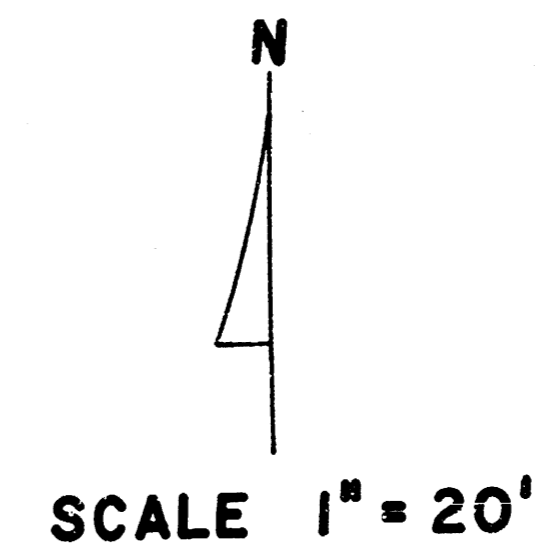
ALL ASPHALT MAT REMOVED TO BE SUBSIDIARY TO EXCAVATION



32ND ST. N. - E.L. FAIRVIEW TO W.L. PARK PLACE
 PROJECT NO. 472-76-245-81328-000-000-001
 CITY OF WICHITA M. E. LINDEBAK CITY ENGINEER
 LANDCO ENGINEERING CONSULTANT ENGINEER
 BOOK BR46 DRAWN BY RH DATE 6/84

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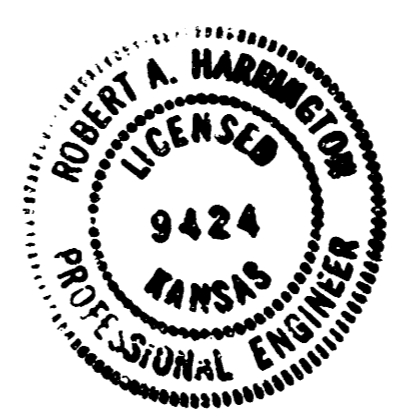
BM. 129.30 RR Spk. NE Face PP SW corner
Wellington Place & 33rd
BM. 129.58 RR Spk. W-Face PP SE corner
Park Place & 33rd



INTERSECTION QUANTITIES

331.3	S.Y.	9	Asphaltic Conc. Pavement (2\"/>
29.5	S.Y.	3	Bituminous Base
75.7	L.F.		Asphaltic Curb & Gutter
			L.F. of 15\"/>
			S.F. of 15\"/>
			S.F. of 15\"/>
191.4	C.Y.		Concrete
			C.Y. Concrete
			Lbs. Reinforcing Steel
346.0	S.Y.		Manhole
			Ton of Cement
			S.Y. of Concrete & Asphaltic Concrete Base

Const. 6" Temp. Asph. Pav't (4" B-D) from Sta. 6+92.4 to Sta. 8+50. Remove Exist. Asph. Pav't as Shown. Const. 6" Asph. Curb to Inlets & Slope to Drain to Inlets. Trans. New Asph. Width from 3' of Inlets to 26' at Station 8+00. Grade Bar Ditches in Parking to Drain Towards Inlets. Install 4' long, 15" RCP through E-face of Inlets to FL. of BORROW DITCH as shown. Line Ditches with Asphalt to prevent erosion as directed by Field Engineer. Cost of Work & Materials for Asphalt Curb, Ditch Grading, Ditch Lining, 15" RCP and all Excavation necessary to place new Asphalt Pav't East of Park Place shall be incidental to Project & shall not be paid for directly.



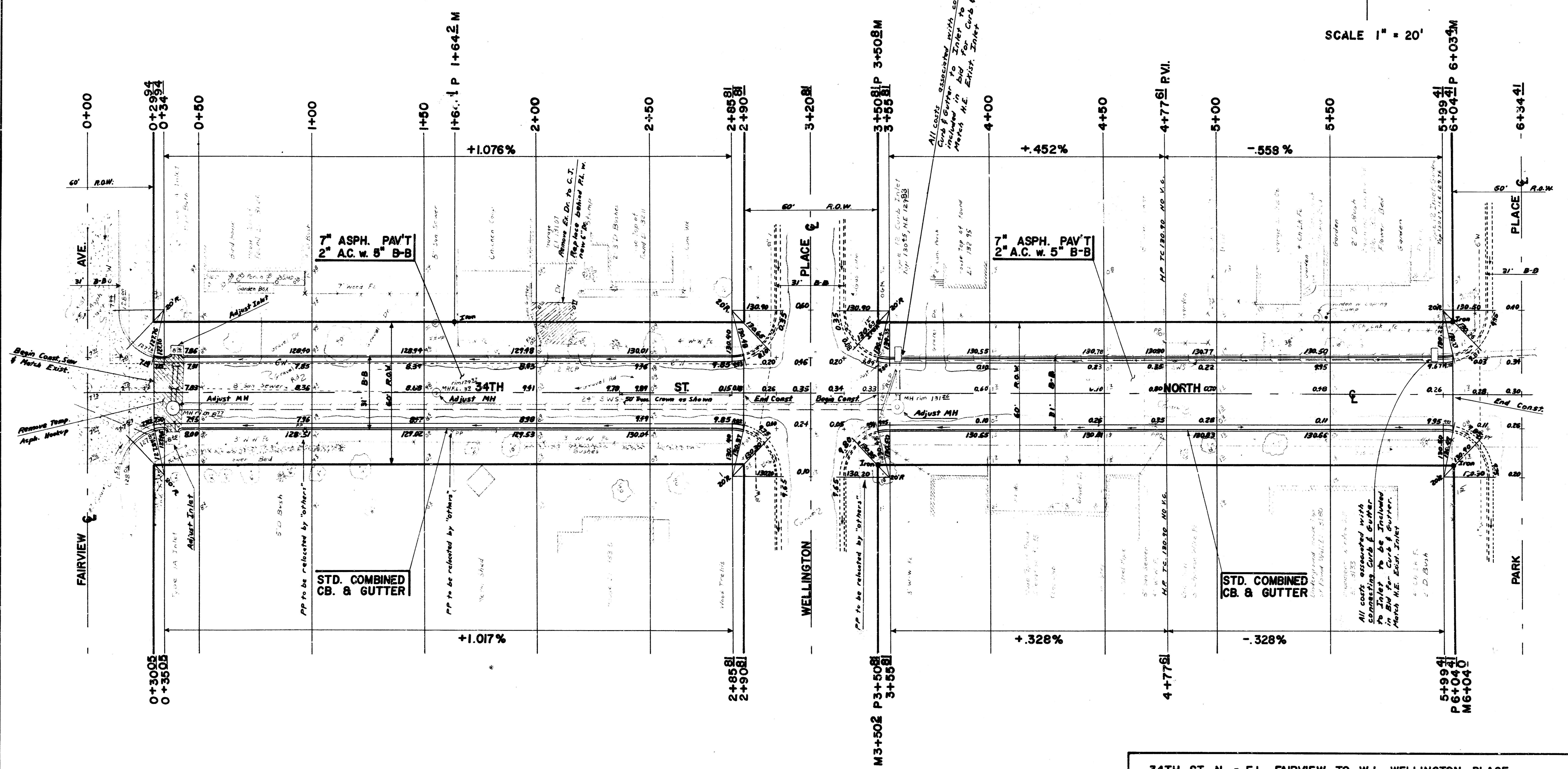
33RD ST. N. - E.L. WELLINGTON PLACE TO E.L. PARK PLACE
PROJECT NO. 472-76-245-81328-000-000-001
CITY OF WICHITA M. E. LINDEBAK CITY ENGINEER
LANDCO ENGINEERING CONSULTANT ENGINEER
BOOK BR16 DRAWN BY RH DATE 6/84

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B.M. 128.00 "4" at N-end return NE
 Corner Fairview & 34th St.
 B.M. 131.34 Bridge Spk. N-face P.P. @ S.E.
 Corner Wellington Place & 34th St.
 B.M. 131.01 R.R. Spk. E-face P.P. @ S.W.
 Corner Park Place & 34th St.

6/12

N
 SCALE 1" = 20'
 6+03.1M



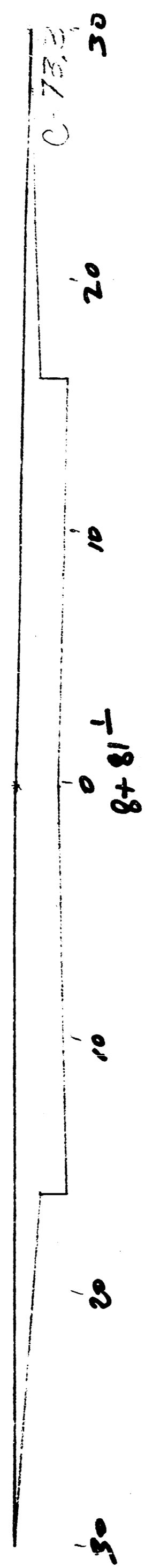
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 34TH ST. N. - E.L. WELLINGTON PLACE TO W.L. PARK PLACE
 PROJECT NO. 472-76-245-81328-000-000-001
 CITY OF WICHITA M. E. LINDEBAK CITY ENGINEER
 LANDCO ENGINEERING CONSULTANT ENGINEER
 BOOK 3R48B DRAWN BY RH DATE 6/84



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120

125

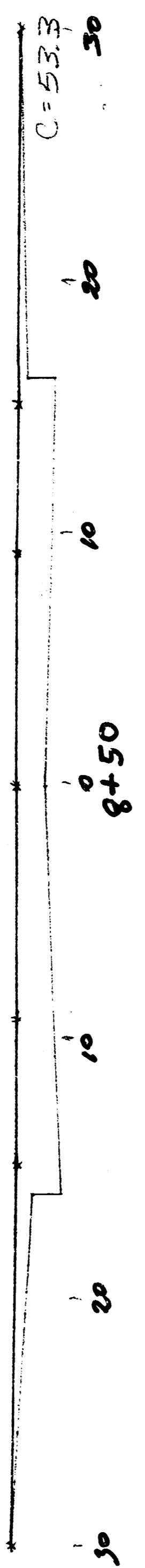


97.7

70.1

130

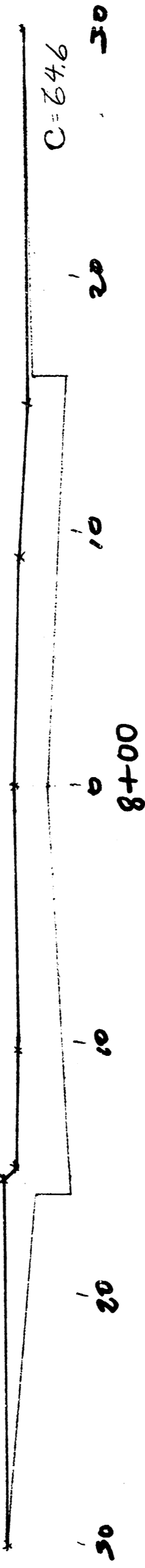
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101.2

130

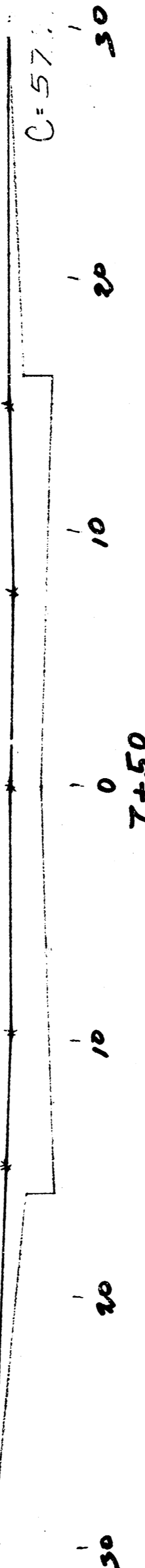
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102.4

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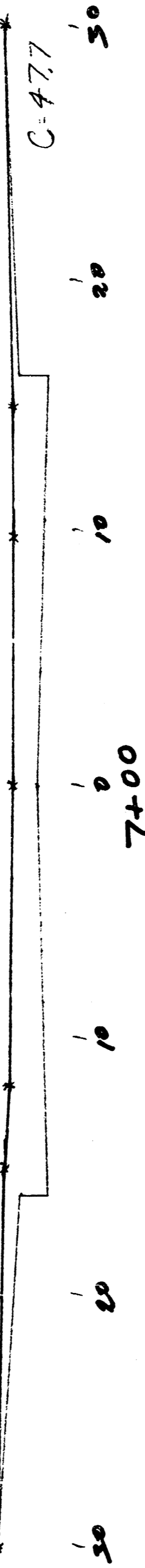
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97.6

130

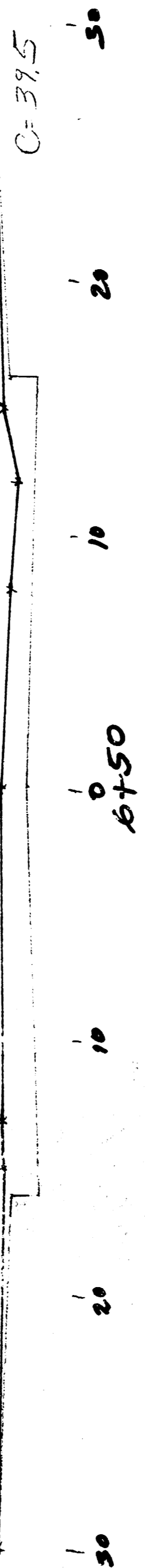
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80.7

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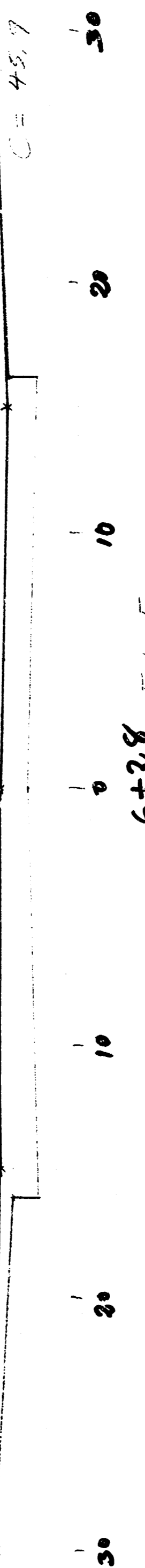
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24.6

130

125



6+28 E.L. FAIRVIEW

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32nd St N - E.L. Fairview to W.L. Park Place 472-78-245-81328-000-001

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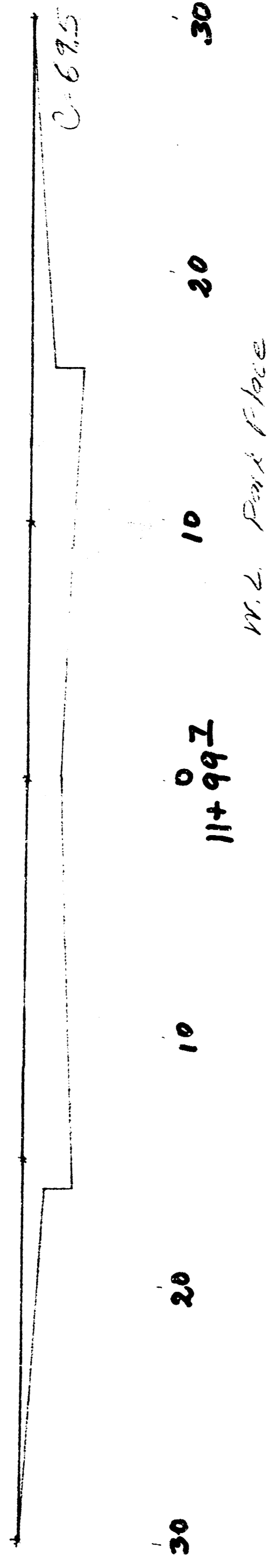
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7/16

2/12

130

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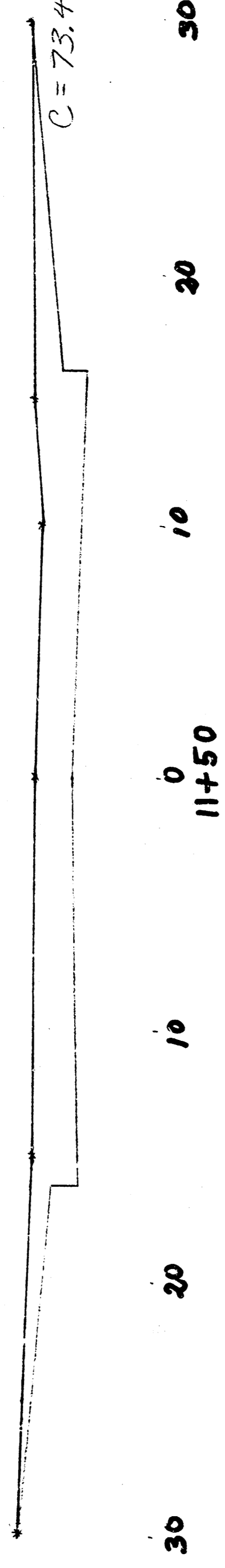


M.L. Road Floor

124.6

130

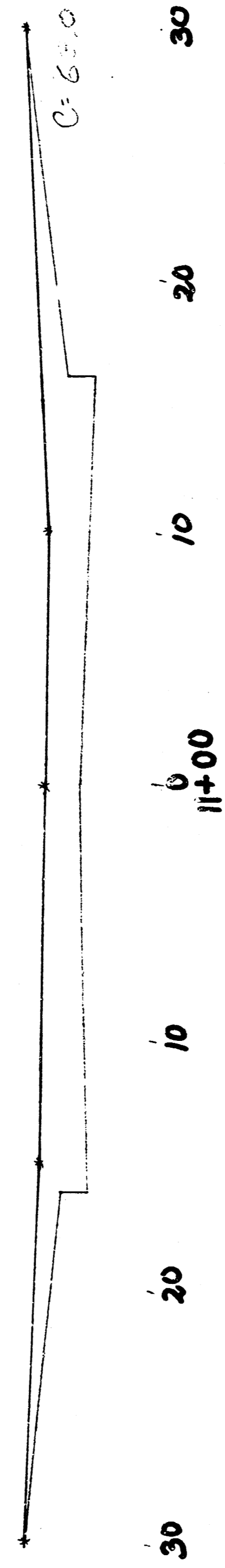
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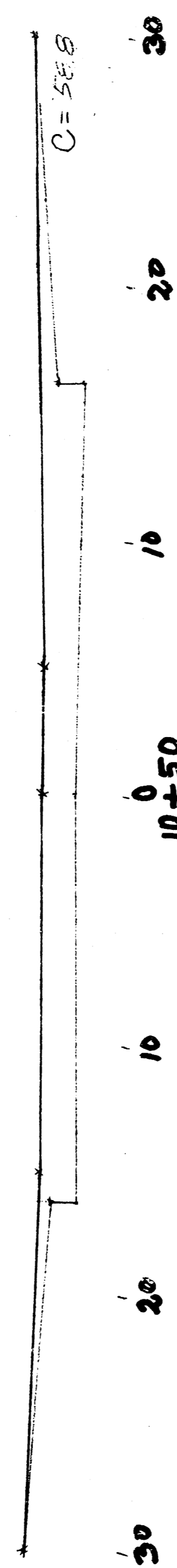
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117.4

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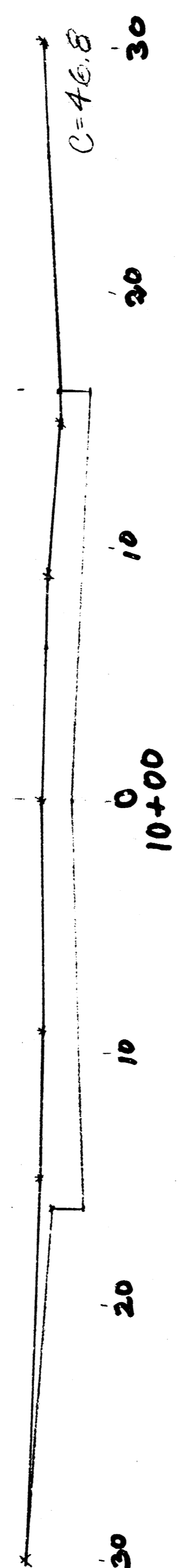
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116.8

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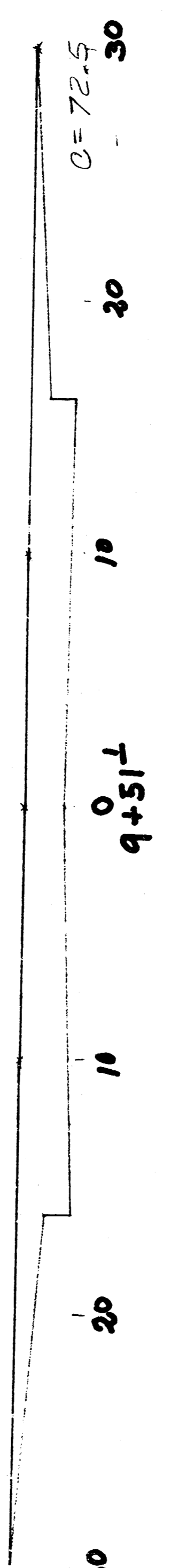
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108.0

130

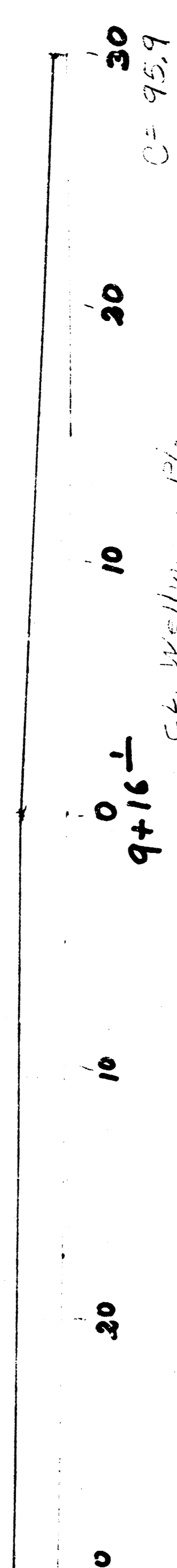
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109.1

130

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324th St. N - E.L. Fairview
 to W.L. Park Place
 472-762-45-81328-000-000-001

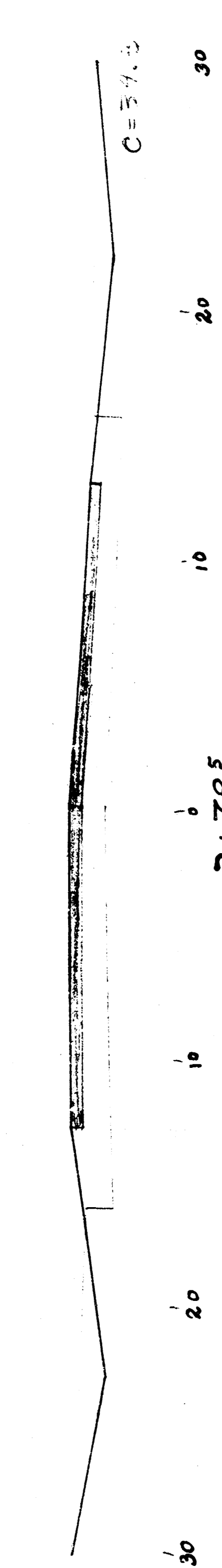
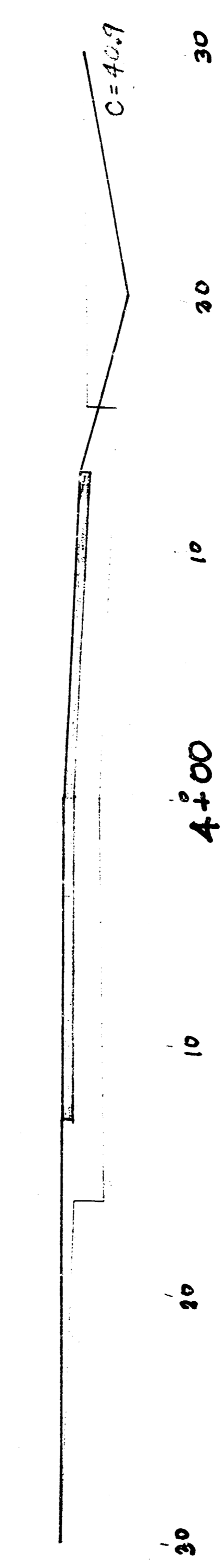
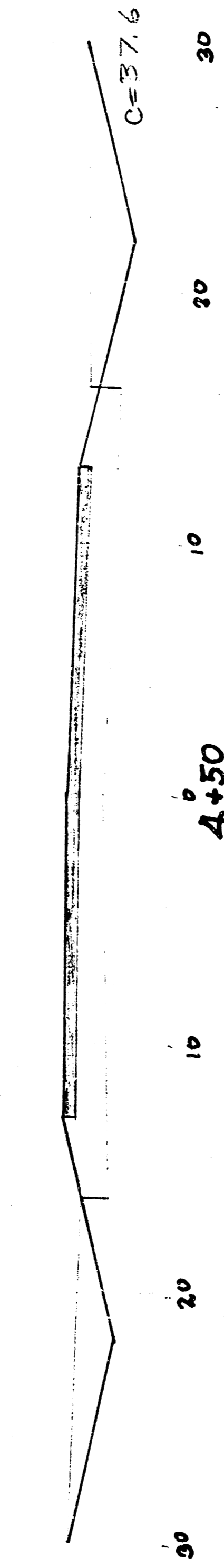
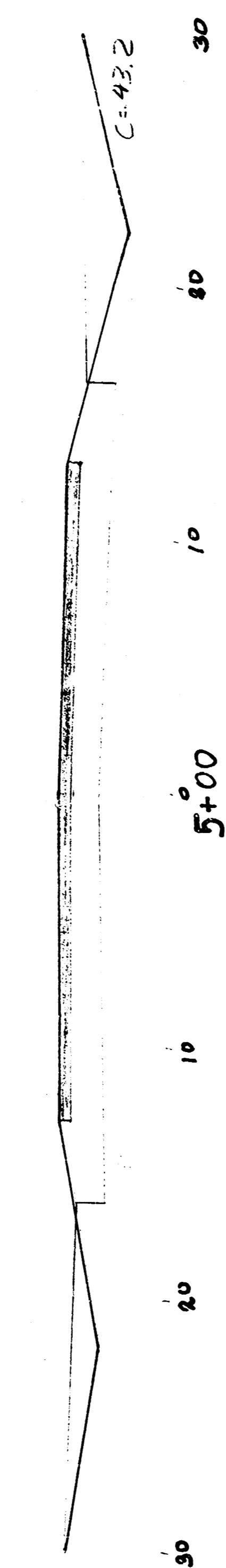
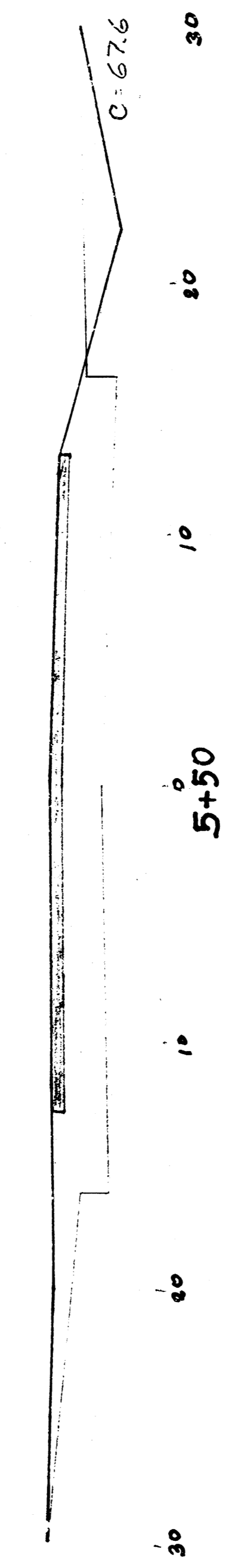
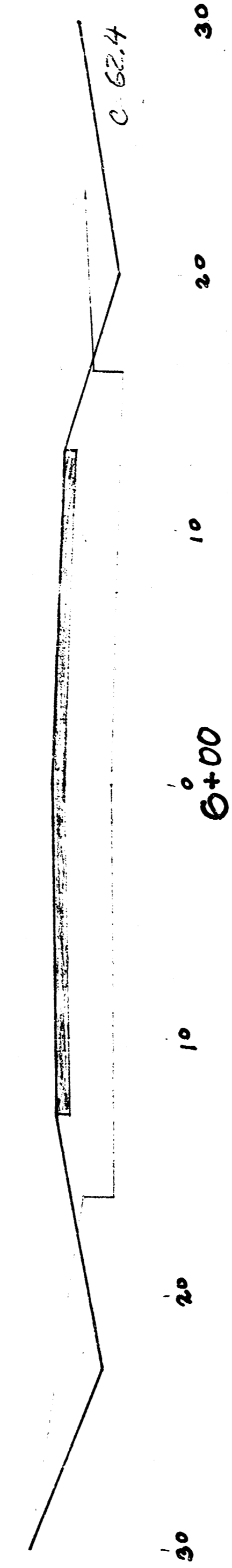
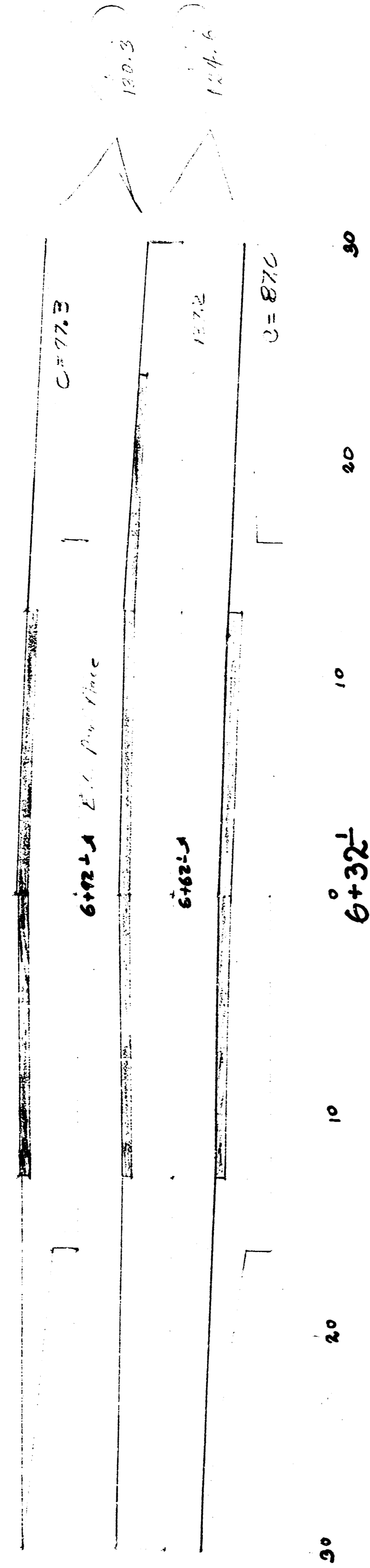
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8/12

3/2

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130 } 6+92.2
 130 125 }
 125 130 } 6+92.2
 135 } 6+32.1



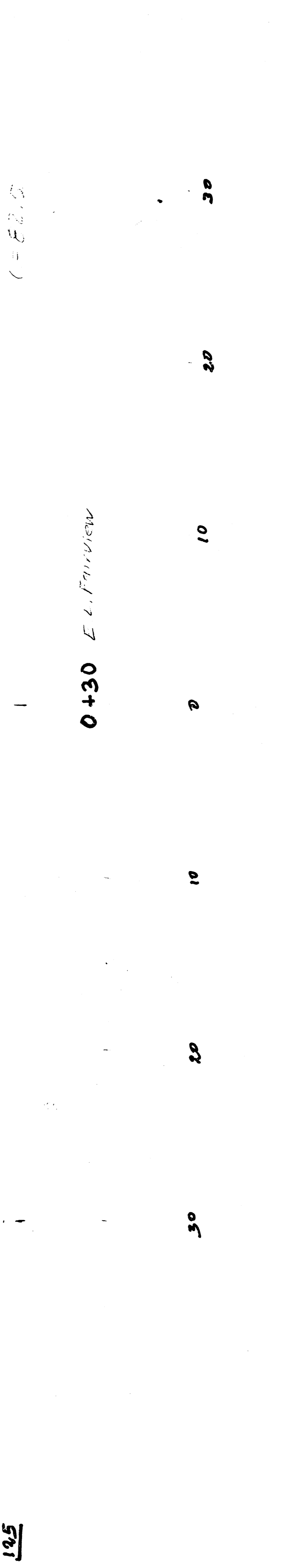
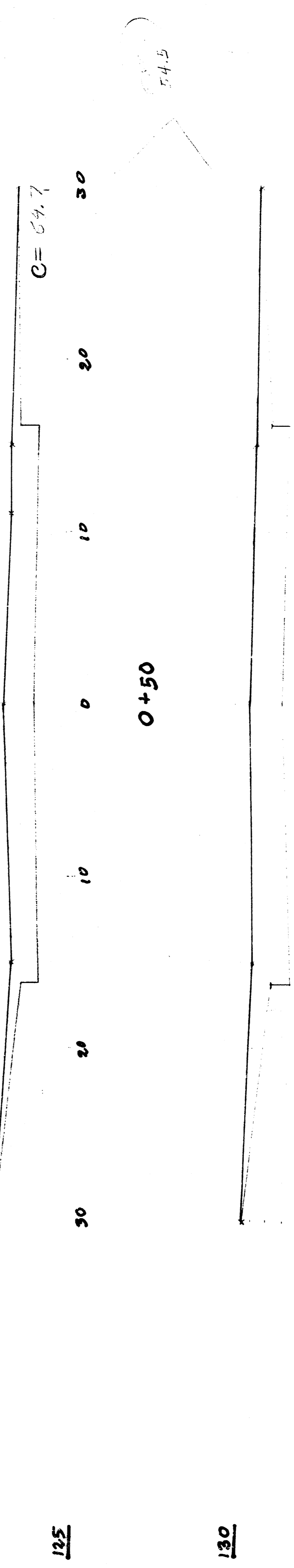
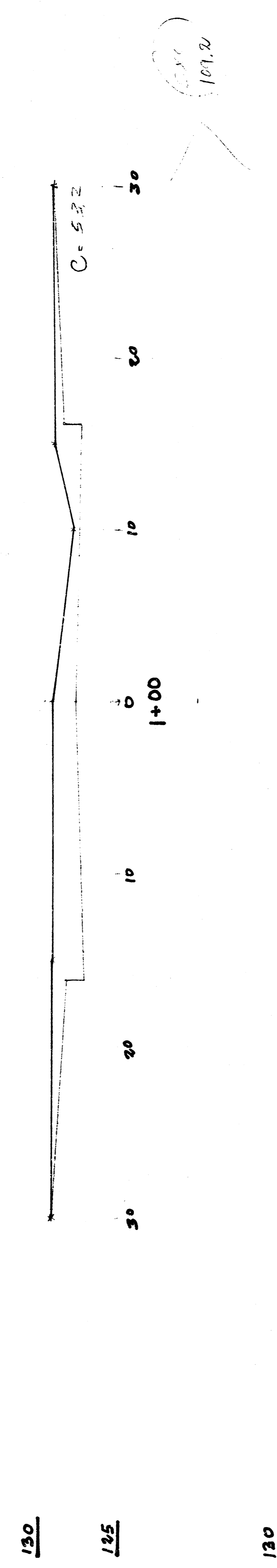
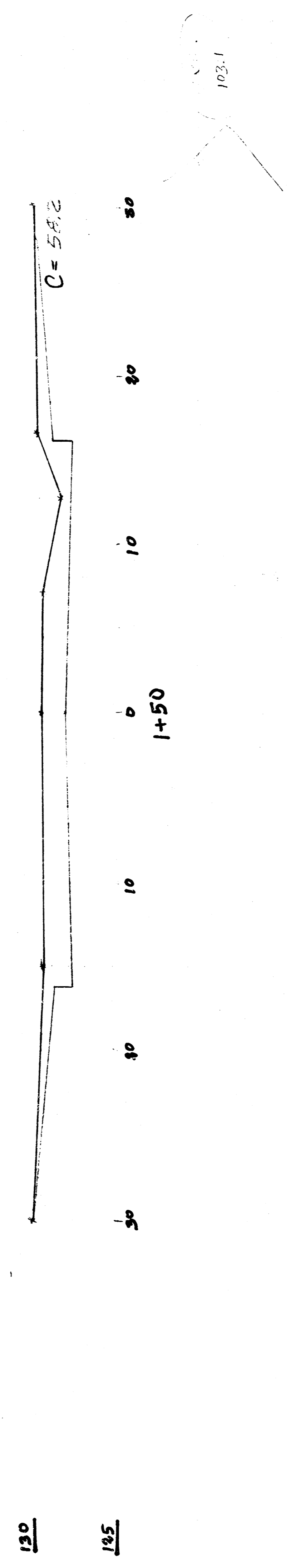
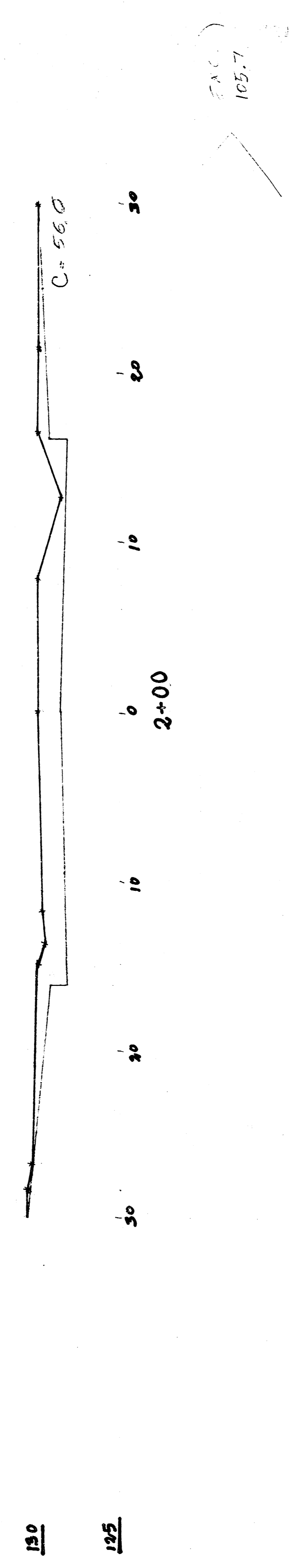
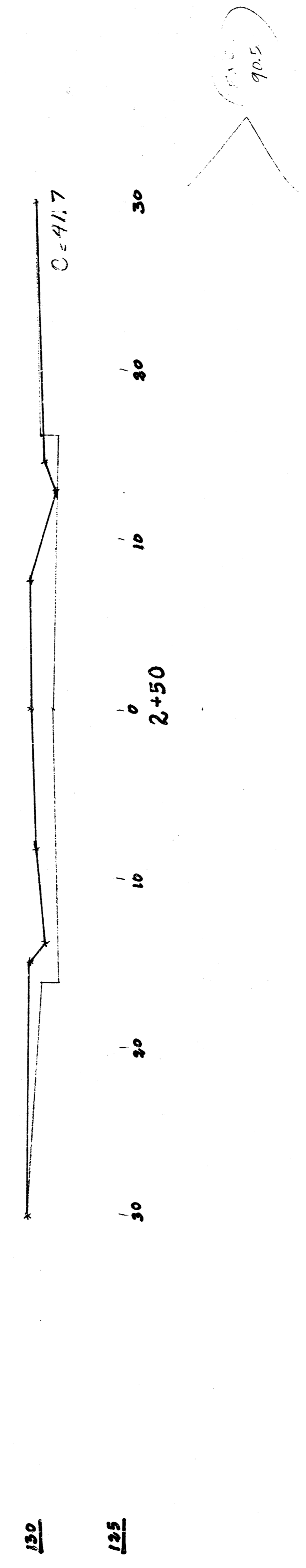
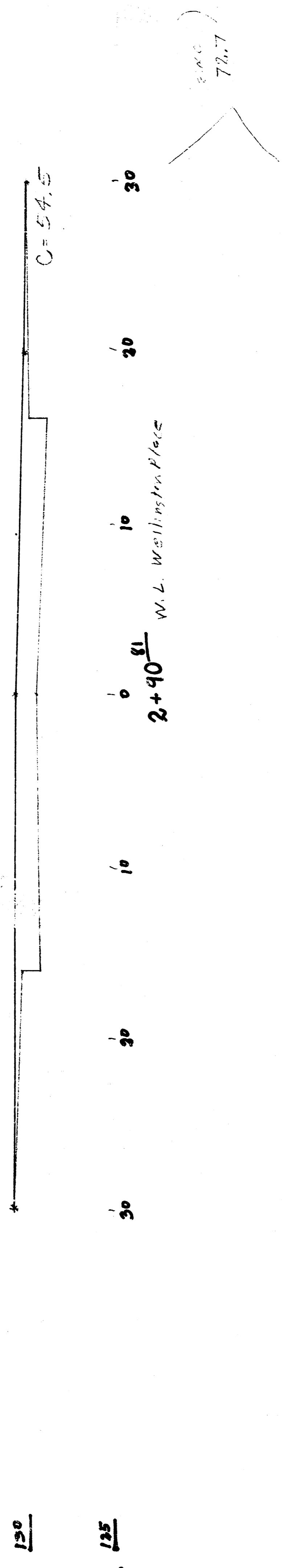
E.L. Wellington

33rd St. N. E.L. Wellington
 Place to E.L. Park Place
 472-76-245-81328-000-001

1/2

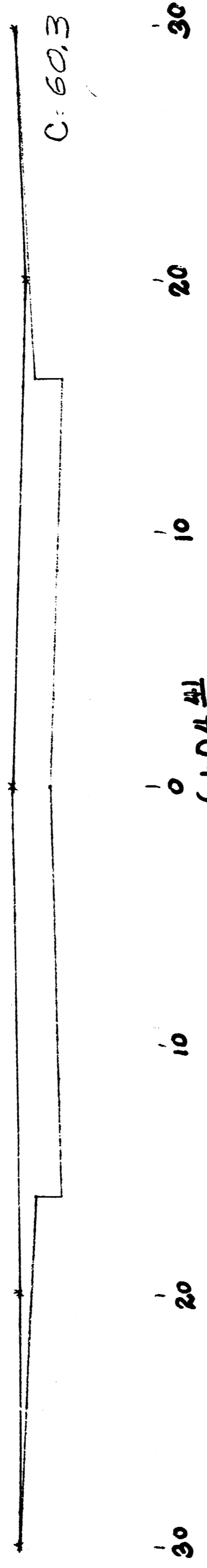
9/2

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34th St North
E.L. Fairview To
W.L. Wellington Place
972-76-245 01320-000-001

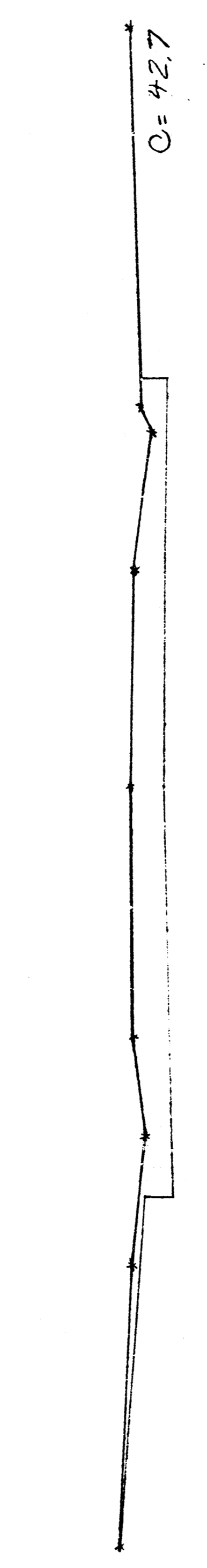
Sheet 2 of 2
5/25/71



130

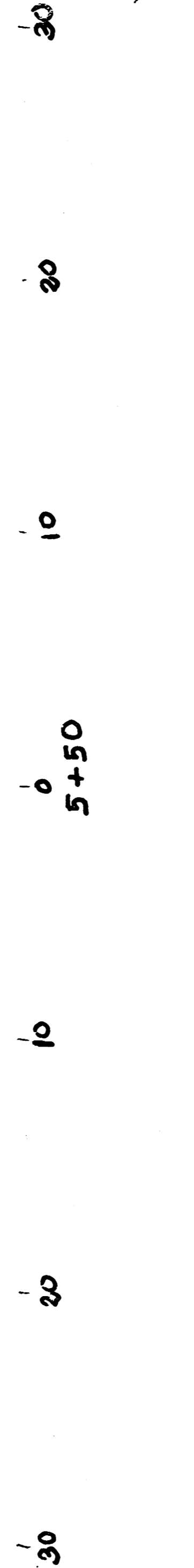
125

6+04.21
W.L. Pavement



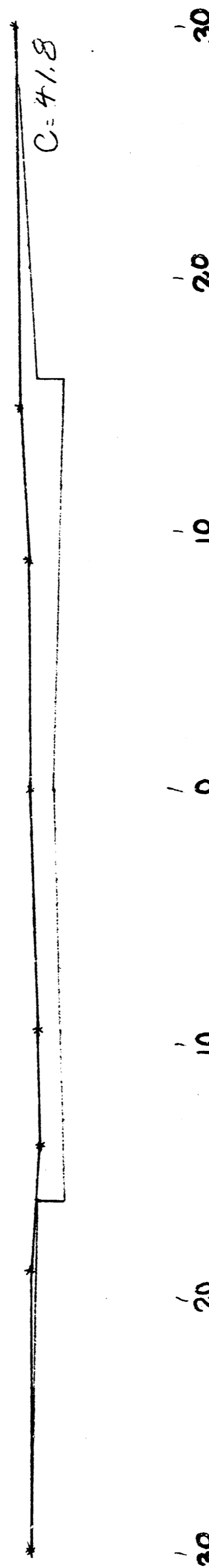
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125



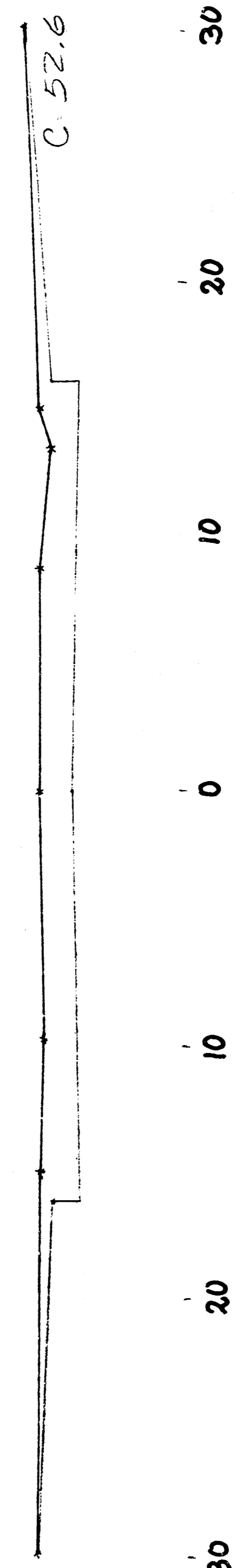
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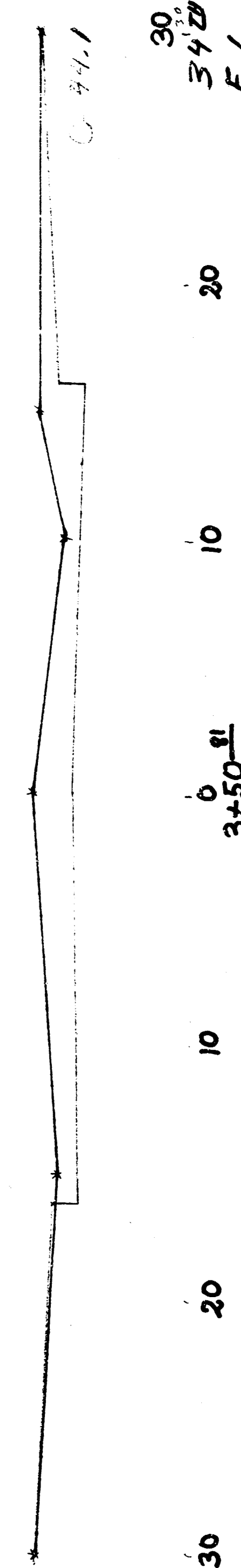
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130

125

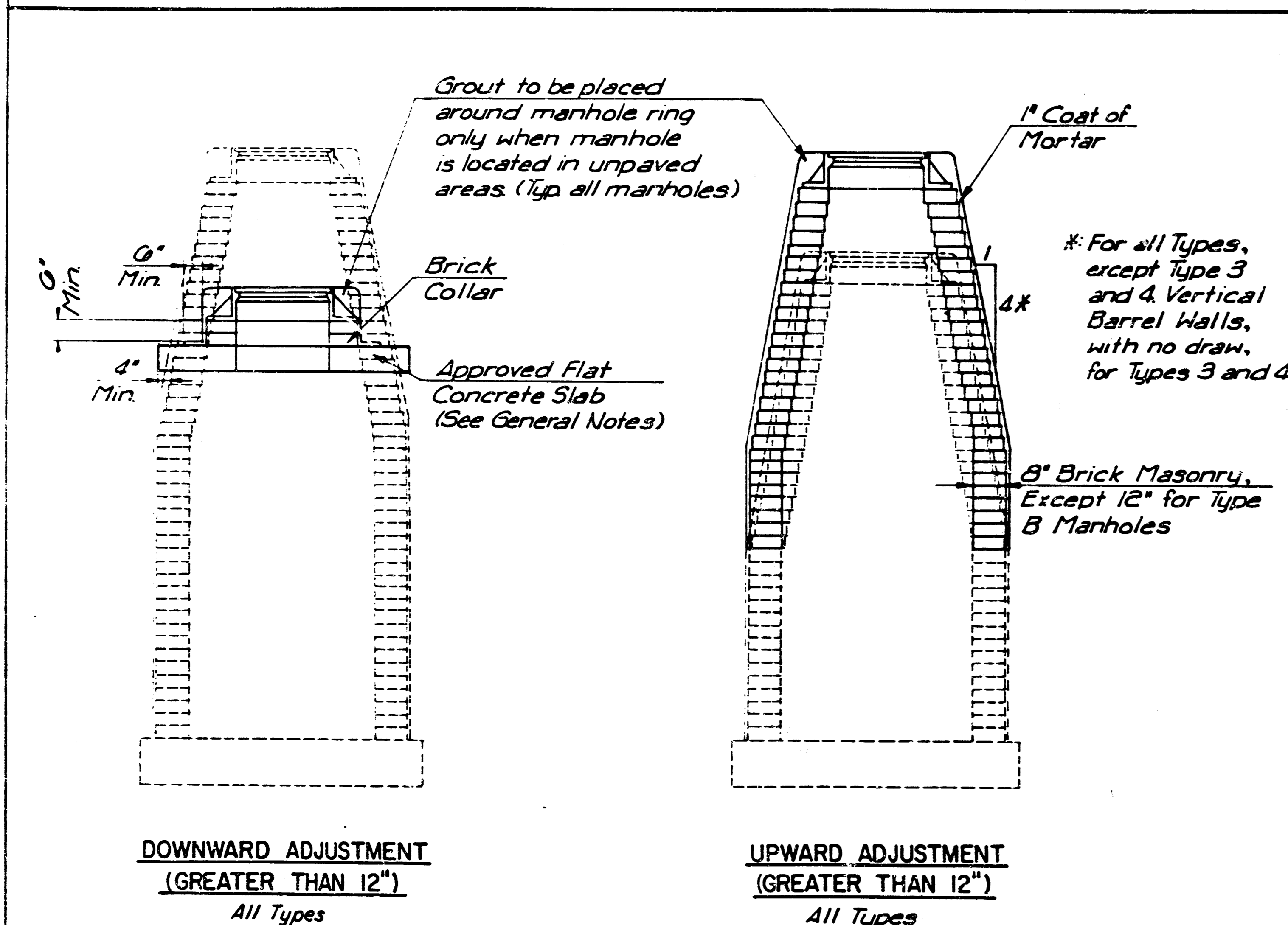
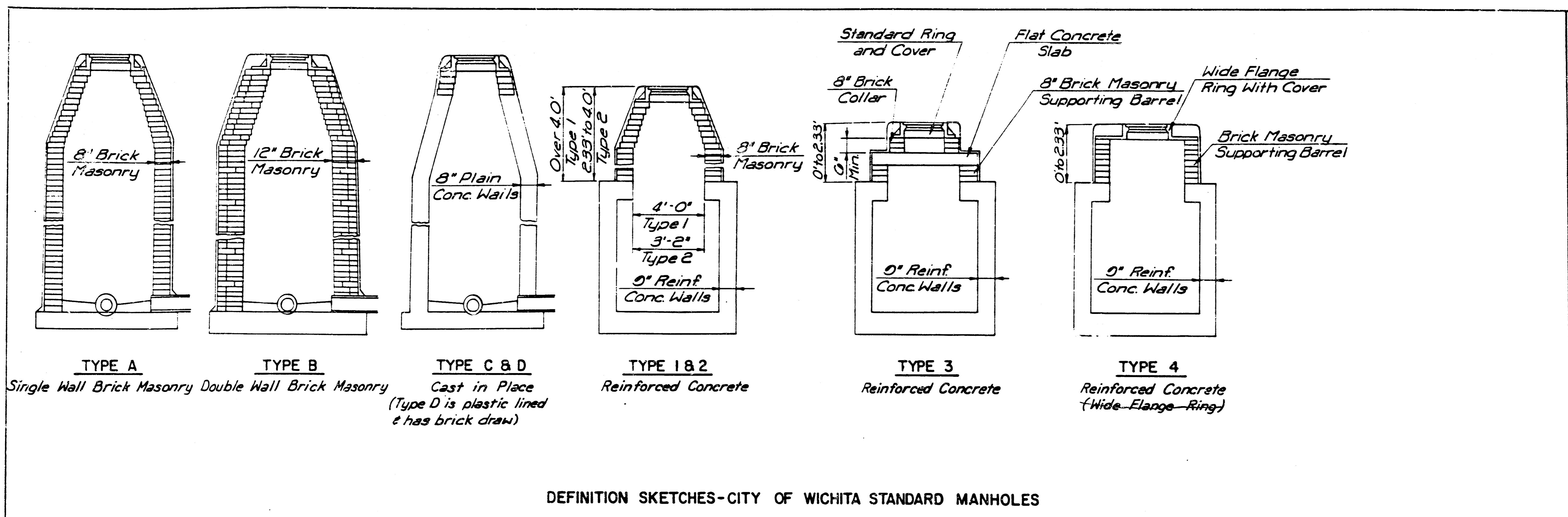


130

125

3+50.81
E.L. Wellington Place
Super Elevation
444.2 C.V. 6.1
472-76-285-8/228-000-000-001

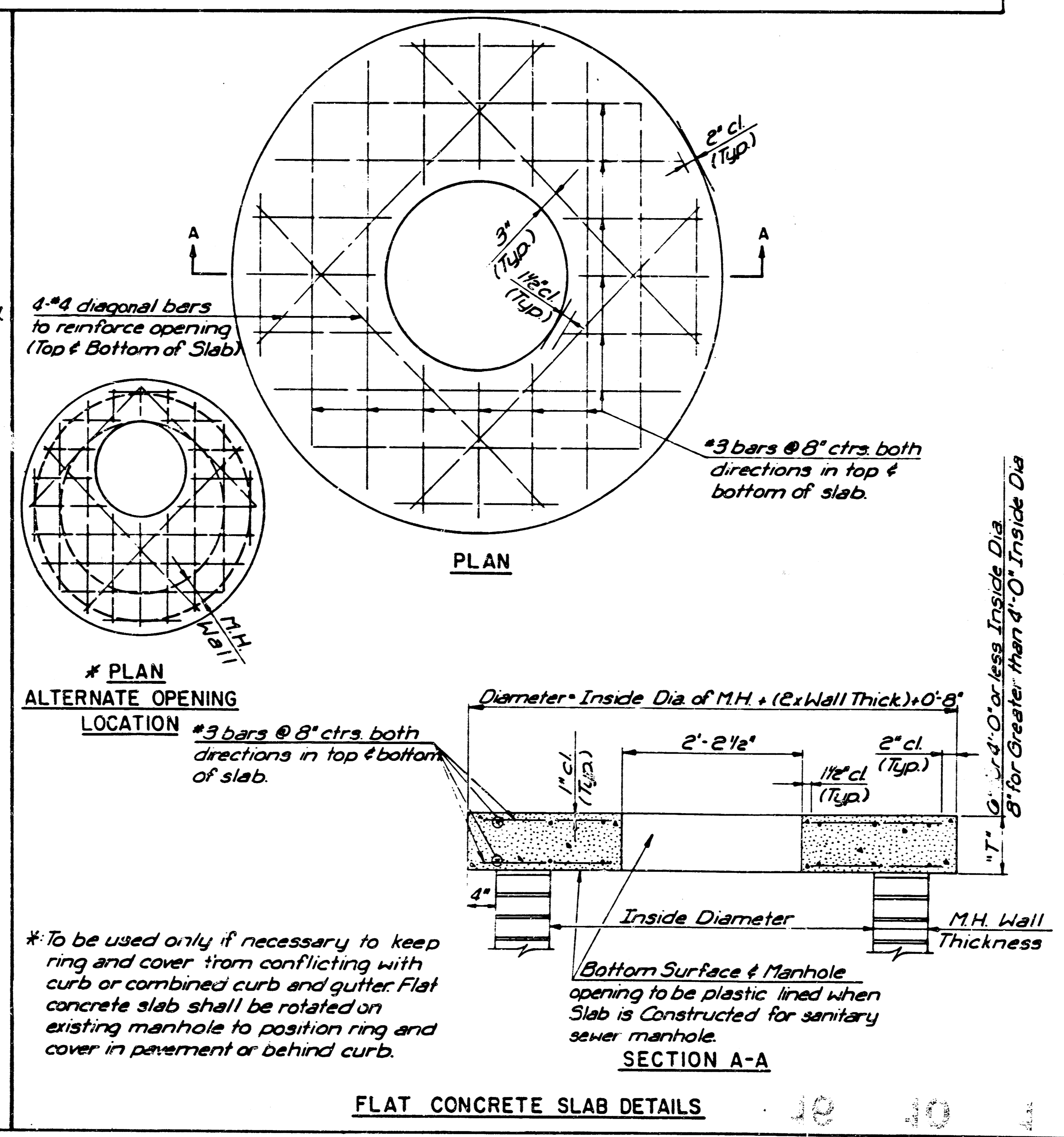
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THE APPROPRIATE PORTIONS OF THE DRAW AND BARREL OF TYPE A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. A FLAT CONCRETE SLAB SHALL BE PLACED AND THE RING AND COVER RESET. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

COURSES OF BRICK BARREL SUPPORTING THE WIDE FLANGE RING FOR TYPE 4 MANHOLES AND FLAT CONCRETE SLAB FOR TYPE 3 MANHOLES SHALL BE REMOVED AS NECESSARY PRIOR TO RESETTING THE WIDE FLANGE RING OR FLAT CONCRETE SLAB AND RING. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

THE ENTIRE DRAW OF TYPES A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED, THE MANHOLE BARREL RAISED THE APPROPRIATE AMOUNT, A NEW DRAW CONSTRUCTED, AND THE RING AND COVER RESET. THE UPPER PORTION OF TYPE 3 MANHOLES SHALL BE REMOVED TO THE BOTTOM OF THE FLAT CONCRETE SLAB, THE BRICK MASONRY BARREL SUPPORTING THE SLAB SHALL BE RAISED THE APPROPRIATE AMOUNT, AND THE SLAB AND RING AND COVER RESET. THE WIDE FLANGE RING AND COVER OF TYPE 4 MANHOLES SHALL BE REMOVED, THE BRICK MASONRY BARREL SUPPORTING THE RING SHALL BE RAISED THE APPROPRIATE AMOUNT AND THE RING AND COVER RESET. ALL WORK REQUIRED FOR A GREATER THAN TWELVE INCH (12") UPWARD ADJUSTMENT OF ANY MANHOLE SHALL BE ACCOMPLISHED WITH BRICK MASONRY IN ACCORDANCE WITH THE DETAILS SHOWN AND THE GENERAL NOTES.



* To be used only if necessary to keep ring and cover from conflicting with curb or combined curb and gutter. Flat concrete slab shall be rotated on existing manhole to position ring and cover in pavement or behind curb.

MANHOLE ADJUSTMENT DETAILS			
P.N. 472-76-245-81325-000-000-001			
CITY OF WICHITA, KANSAS			
M. E. LINDEBAK - CITY ENGINEER			
Designed by	Checked by		
Drawn by	Date	JOB No.	

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