

PAVING PLANS FOR COTTONWOOD VILLAGE EIGHTH (PHASE 2)

HEDGETREE : FROM THE EAST LINE OF LOT 32, BLOCK 1, EXTENDED TO THE NORTH
LINE OF LOT 20, BLOCK 2 EXTENDED.

LEEWOOD CIRCLE : FROM THE EAST LINE OF HEDGETREE TO AND INCLUDING CUL-DE-SAC.

HEDGETREE COURT : SERVING LOTS 27 THROUGH 31 INCLUSIVE, BLOCK 1.

PROJECT NO.
472-76-245-81765-000-000-001

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
APRIL, 1989
INDEX NO. 607341

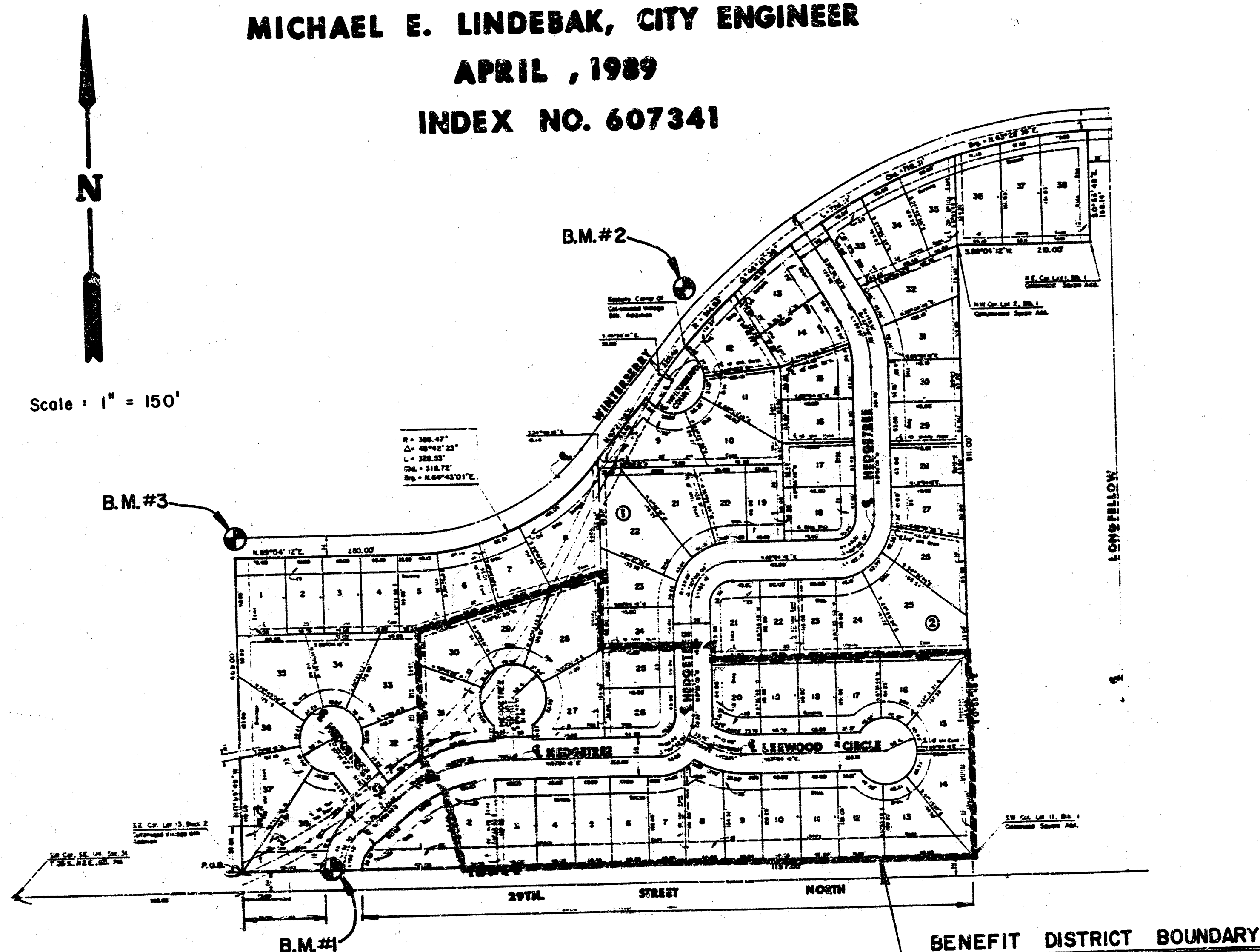
GENERAL NOTES

1. 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 BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
2. TRANSITION CURB FROM FULL HEIGHT COMBINATION CURB AND GUTTER TO ROLL TYPE COMBINATION CURB AND GUTTER IS TO BE PAID AS BID FOR LINEAL FEET COMBINED CURB AND GUTTER (3 5/8" ROLL).
3. ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
5. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
6. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAWED JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
7. THE INLET HOOK-UP SHALL CONFORM TO THE RECENT MODIFICATIONS WHICH HAVE BEEN MADE TO THE STANDARD CITY OF WICHITA TYPE 1-A CURB INLETS. GUTTER ELEVATIONS SHOWN AT CURB INLETS WILL NEED TO BE ADJUSTED BY 2" (0.17 FT.) TO OBTAIN THE DEPRESSION REQUIRED FOR TYPE 1-A INLET HOOKUP.

ARKLA GAS COMPANY 942-8350 or 263-8161
BELL TELEPHONE COMPANY 1-316-571-2611
CABLEVISION 262-4270 or 263-2061
KPL GAS SERVICE 263-7511
KANSAS GAS & ELECTRIC 264-1141
CITY OF WICHITA WATER DEPARTMENT 268-4908
CITY OF WICHITA SEWER DEPARTMENT 268-4071

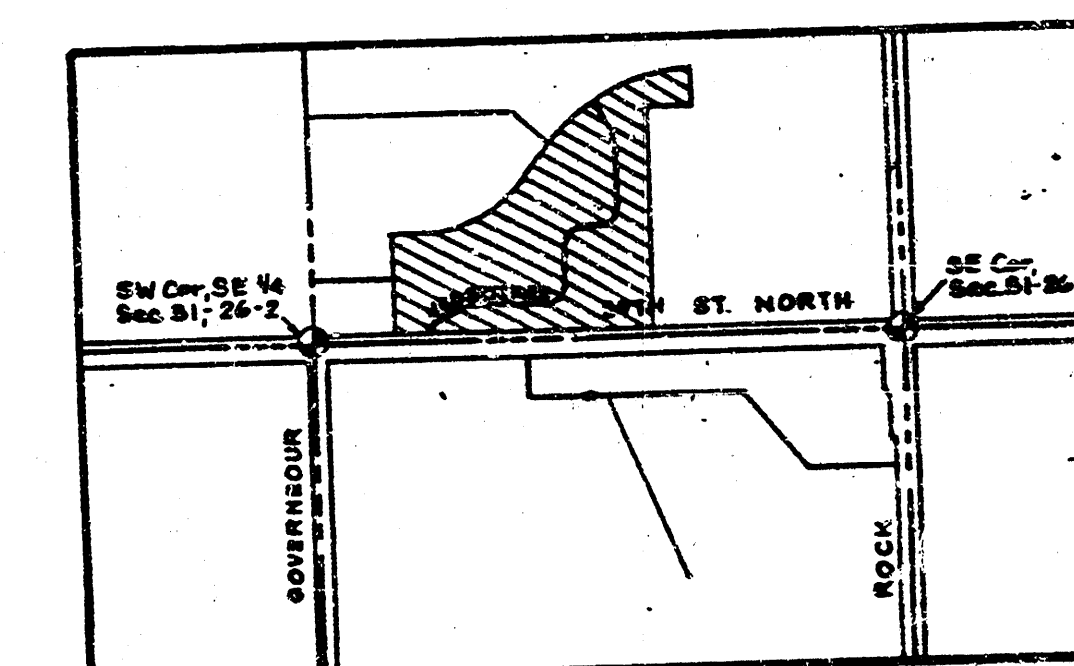
BENCHMARKS

- B.M. #1 "C" Cut on top of curb on North end of Northwest return at Hedgetree and 29th Street North. Elev.=189.43
- B.M. #2 "s" on top of curb and centerline of approach walk at 7500 Winterberry. Elev.=186.925
- B.M. #3 "C" Cut on Southeast corner of curb inlet at Northwest corner of Cottonwood Village 8th Add. Elev.=188.85

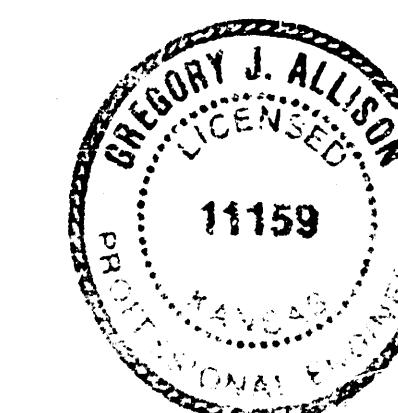


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1	TITLE SHEET
2	PAVING DETAILS
3	PLAN HEDGETREE
4	PLAN LEEWOOD CIRCLE
5	HEDGETREE COURT
6-12	CROSS SECTIONS
13	FINAL PLAT



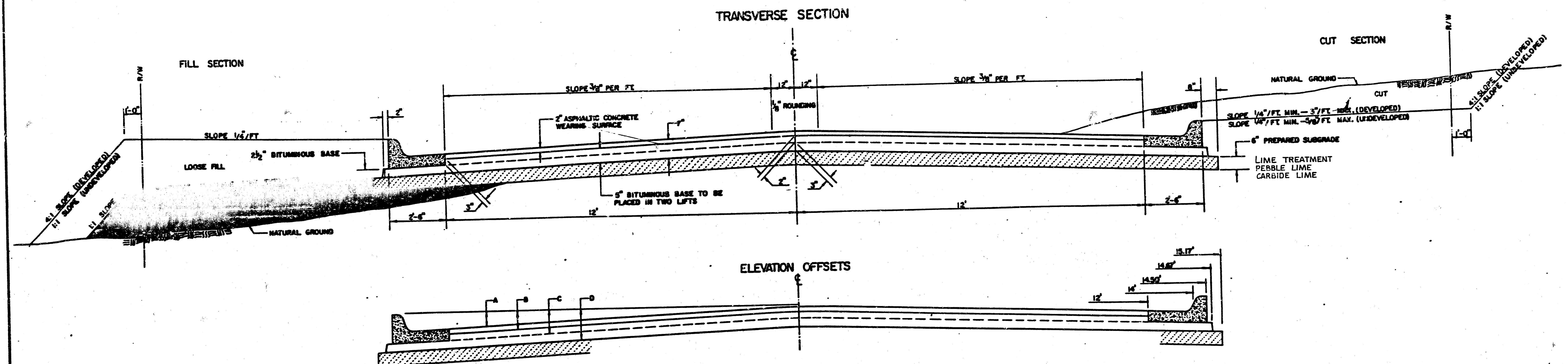
LOCATION MAP



	COTTONWOOD VILLAGE EIGHTH (PHASE 2)		Drawn by G.J.A.
	PAVING PLANS		Checked by D.L.M.
	MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		Date April, 1989
	636-5566		Sheet 1 of 13

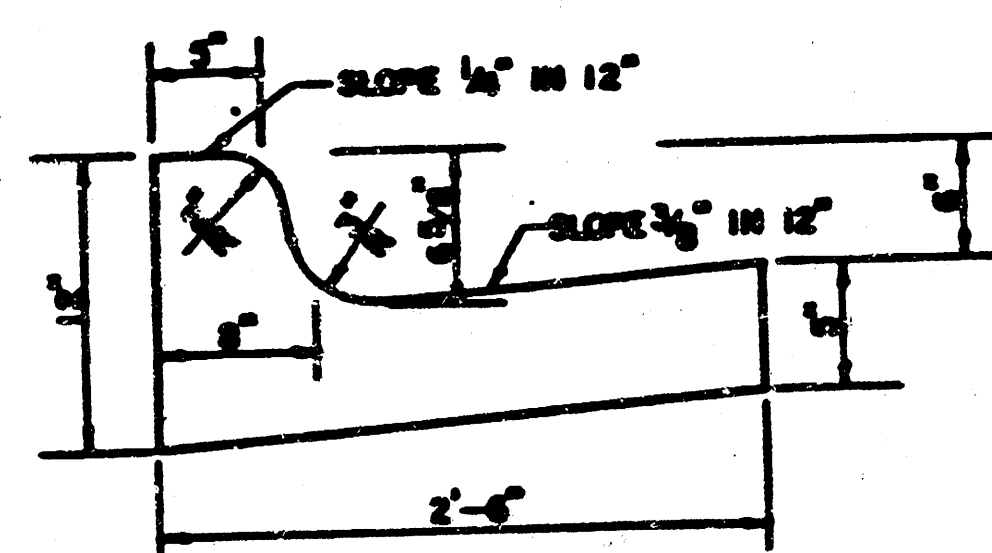
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TYPICAL 29' PAVEMENT DETAILS

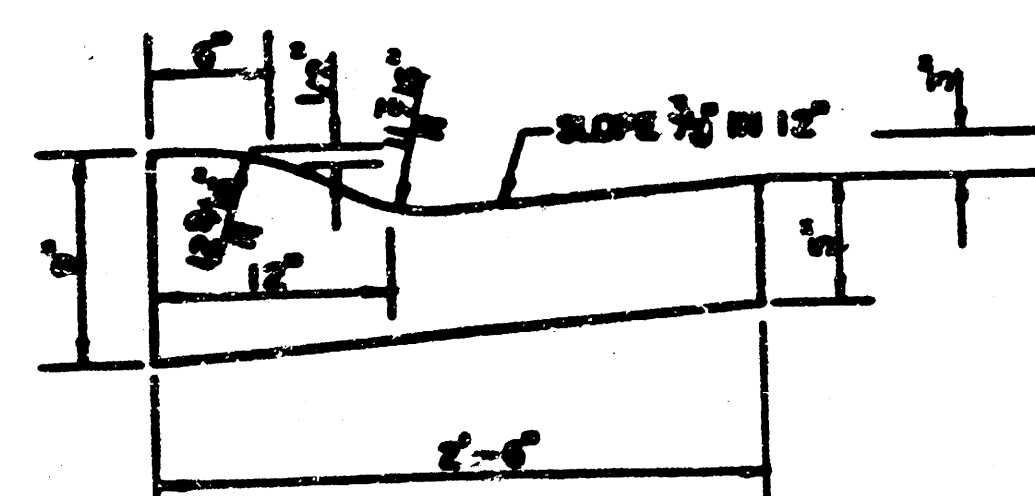


	DISTANCE FROM CENTERLINE (LZ & RT)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.47	0.52	0.60	0.68	0.71	0.75	0.83	0.90	0.98	1.00	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.72	0.77	0.84	0.91	0.95	0.98	1.05	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



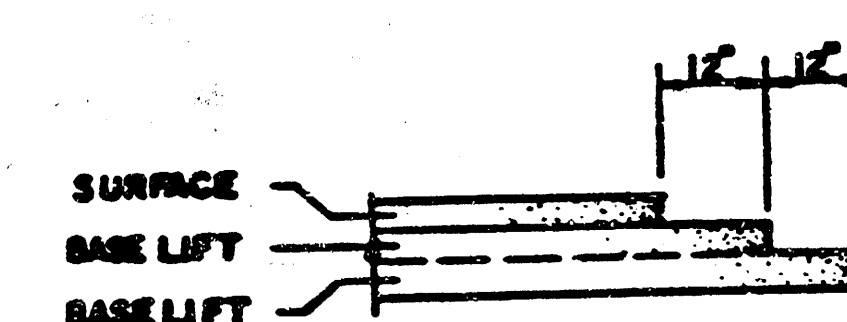
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PRESENT 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-7A OR CS-1M) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.03 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LANDON 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.

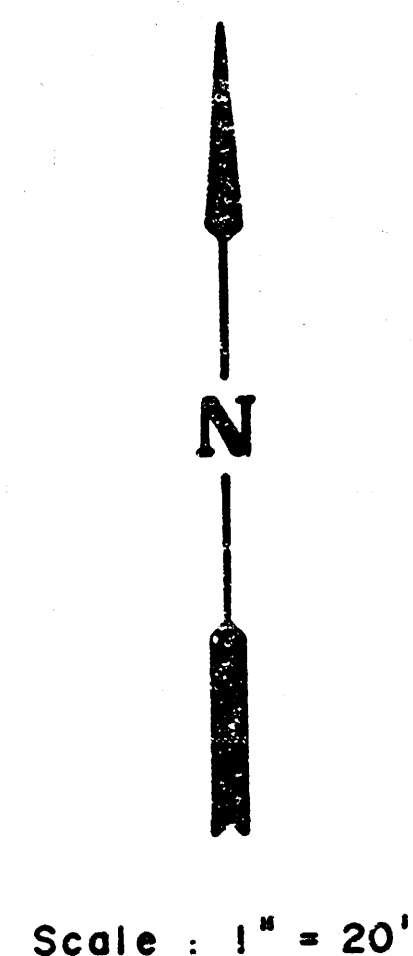
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAYMENT 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 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

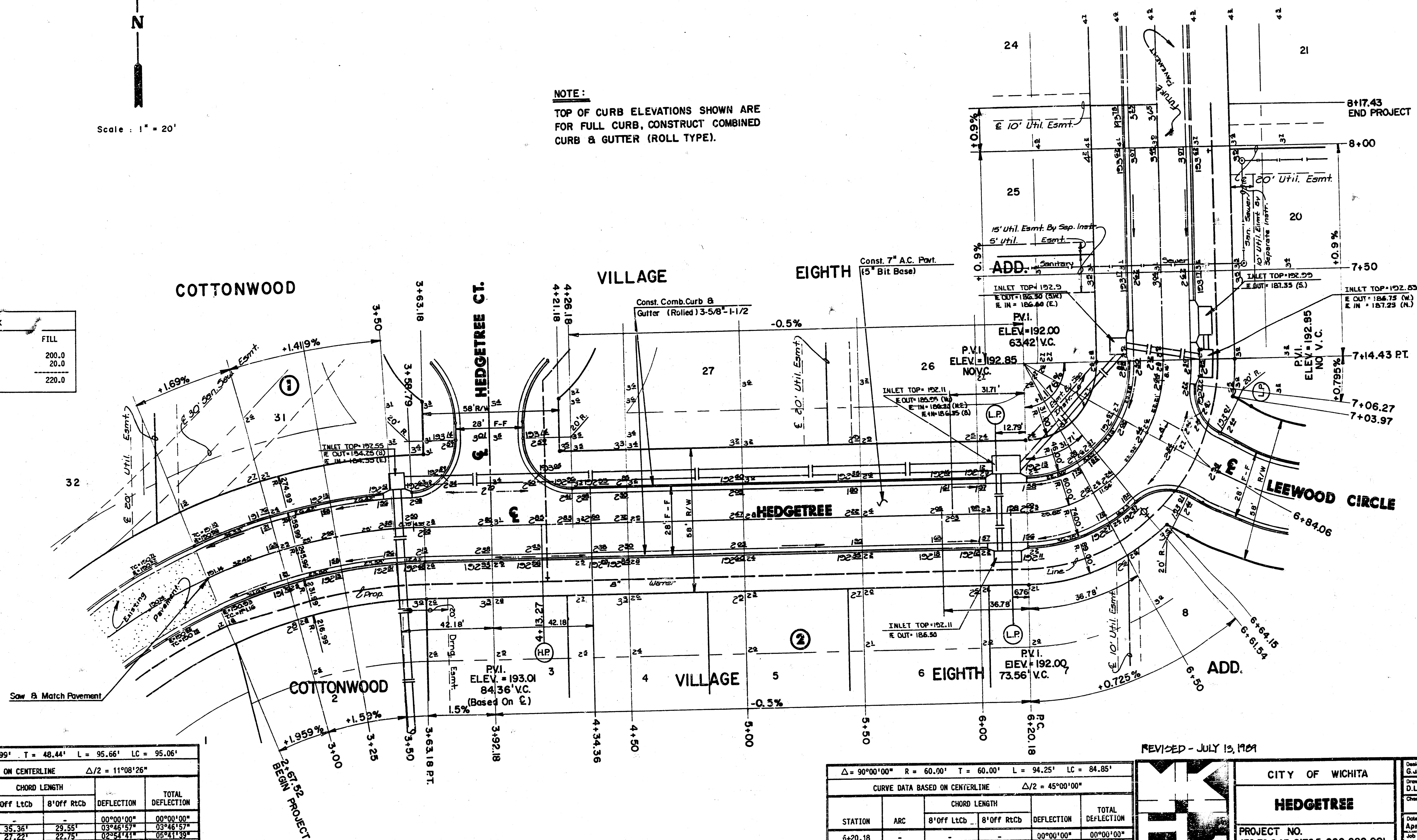
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
472-76-245-81765-000-000-001

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NOTE:
TOP OF CURB ELEVATIONS SHOWN ARE
FOR FULL CURB. CONSTRUCT COMBINED
CURB & GUTTER (ROLL TYPE).

EARTHWORK	
CUT	FILL
1123.0	200.0
112.3	20.0
1235.3	220.0



CURVE DATA BASED ON CENTERLINE				
STATION	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
2+67.52	-	-	00°00'00"	00°00'00"
3+00.00	32.48'	35.36'	03°46'57"	03°46'57"
3+25.00	25.00'	27.22'	02°54'11"	06°41'08"
3+50.00	25.00'	27.22'	02°54'11"	09°35'19"
3+75.00	8.79'	9.58'	01°01'25"	10°36'44"
3+92.18	4.39'	-	00°30'41"	11°07'25"

Def/Ft = 6.98757 Min.

CURVE DATA BASED ON CENTERLINE				
STATION	ARC	CHORD LENGTH	DEFLECTION	TOTAL DEFLECTION
6+20.18	-	-	00°00'00"	00°00'00"
6+50.00	29.82'	18.69'	14°14'17"	14°14'17"
6+81.54	11.54'	7.30'	05°30'36"	19°44'53"
6+94.06	22.52'	14.18'	10°45'09"	30°30'02"
7+06.27	22.21'	13.99'	10°36'16"	41°06'18"
7+14.43	8.16'	5.16'	03°53'42"	45°00'00"

Def/Ft = 28.64789 Min.

REVISED - JULY 13, 1989

	CITY OF WICHITA	Design: G.A.
	HEDGETREE	Drawn by: D.L.M.
	PROJECT NO. 472-76-245-81765-000-000-001	Checked by:
	MID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING # 800 WICHITA, KANSAS 67226	Date: April 1989 Job No:

Sheet 3 of 13

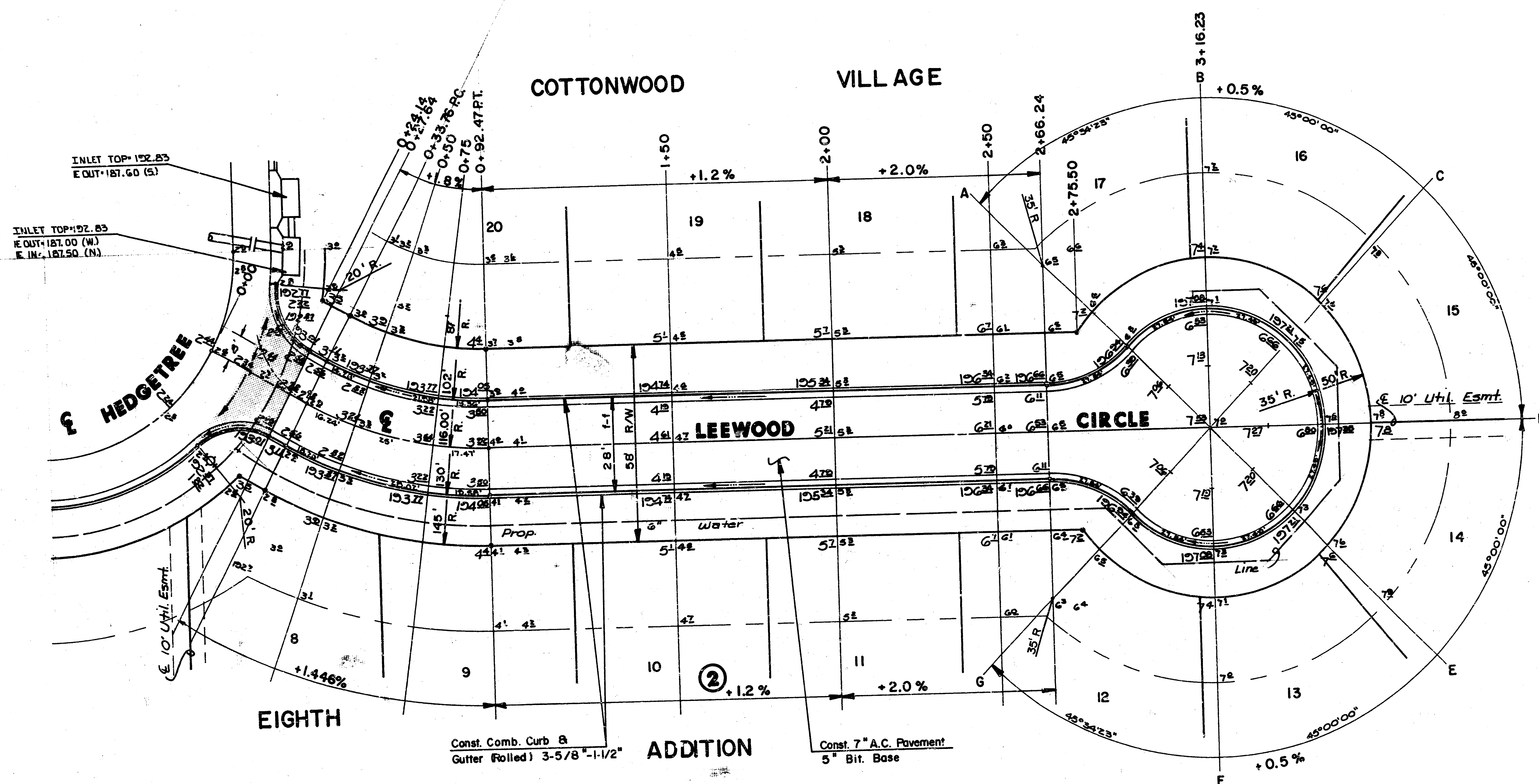
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NOTE:

TOP OF CURB ELEVATIONS SHOWN ARE
FOR FULL CURB, CONSTRUCT COMBINED
CURB & GUTTER (ROLL CURB).



Scale: 1" = 20'

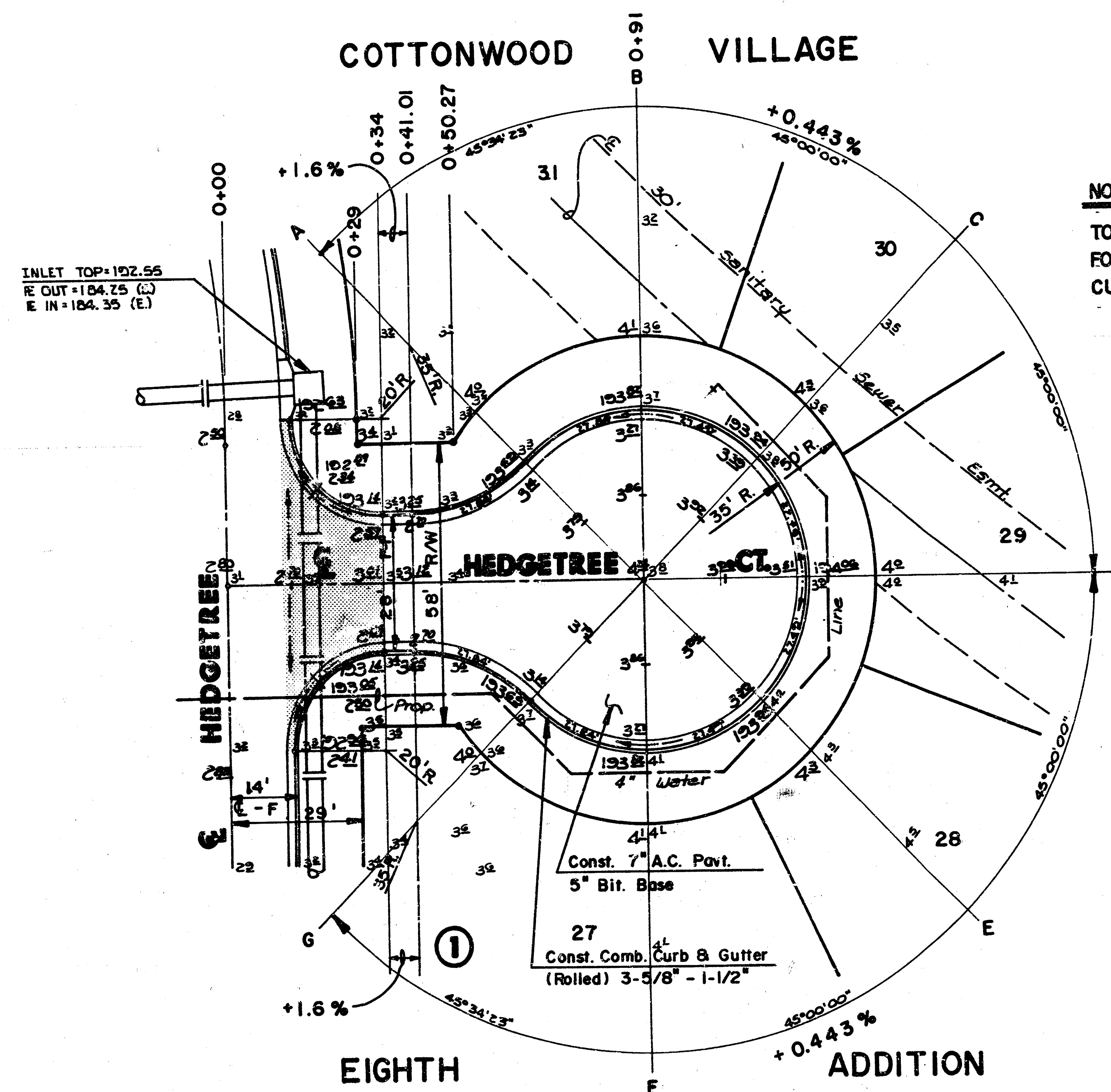


$\Delta = 29^{\circ}00'00''$ $R = 116.00'$ $T = 30.00'$ $L = 58.71'$ $LC = 58.09'$					
CURVE DATA BASED ON CENTERLINE $\Delta/2 = 14^{\circ}30'00''$					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' OFF LTCD	8' OFF RTCD		
0+33.76	-	-	-	00°00'00"	00°00'00"
0+50.00	16.24'	13.15'	19.30'	04°00'39"	04°00'39"
0+75.00	25.00'	20.22'	29.69'	05°10'27"	09°11'06"
0+92.47	17.47'	14.15'	20.77'	04°16'55"	13°30'00"
Def/Ft = 14.81787 Min.					

INTERSECTION QUANTITIES LEEMOOD AND HEDGETREE	
53.3 S.Y.	- 7" Asphaltic Concrete Pavement w/ 5" Bit. Base
14.2 S.Y.	- 2 1/2" Bituminous Base
48.0 L.F.	- Combined Curb and Gutter (Roll Curb)
70.2 S.Y.	- Subgrade Stabilization Manipulation

	CITY OF WICHITA	Design: GJA
	LEEMOOD CIRCLE	Drawn by: D.L.M.
	PROJECT NO. 472-76-245-81765-000-001	Checked by: Date: April, 1969
	MID-KANSAS ENGINEERING CONSULTANTS P.A. 3500 NORTH ROCK ROAD BUILDING 600 WICHITA, KANSAS 67226	Job No.: Sheet 4 of 13

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Scale: 1" = 20'

WATER VALVE BOXES			
Station	Dist. From Cl.	Ex. El. (Plan)	Proposed El.
Hedge Tree			
2+62	21' Rt.	191.74	----
2+67	21' Rt.	191.75	----
4+15	20' Rt.	193.3	193.14
6+61	20' Rt.	192.65	192.94
6+66	26' Rt.	192.6	193.10
8+00	23' Rt.	193.5	193.76
Hedge Tree Court			
1+07	40' Lt.	194.0	194.04
Legwood Circle			
3+11	40' Lt.	197.5	197.20

INTERSECTION QUANTITIES HEDGE TREE CT. AND EIGHTH ADDITION	
81.6 S.Y.	- 7" Asphaltic Concrete Pavement w/ 5" Bit. Base
18.4 S.Y.	- 2 1/2" Bituminous Base
62.0 L.F.	- Combined Curb and Gutter (Roll Curb)
103.4 S.Y.	- Subgrade Stabilization Manipulation

	CITY OF WICHITA	Design: G.J.A.
	HEDGE TREE COURT	Drawn by: D.L.M.
	PROJECT NO. 468-76-245-81765-000-000-001	Checked by:
	MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING 1800 WICHITA, KANSAS 67226	Date: April, 1989 Job no.
53-5566		Sheet 5 of 13

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23.82

200

CUT = 361

L.F. = 39

195

34.0

200

CUT = 59.6 CY.

L.F. = 4.3

195

29.0 > 200
CWT = 46.7 C.Y.
L.F = 3.1 C.Y.
195

63-10 > 200
CUT = 98.3 CY
L.F. = 3.6 CY
195

32.48

200
cut = 28.3
LF = 0

195



HEDGETREE

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COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 472-75-245-81765-000-000-001

200

195

190

200

195

190

200

195

190

200

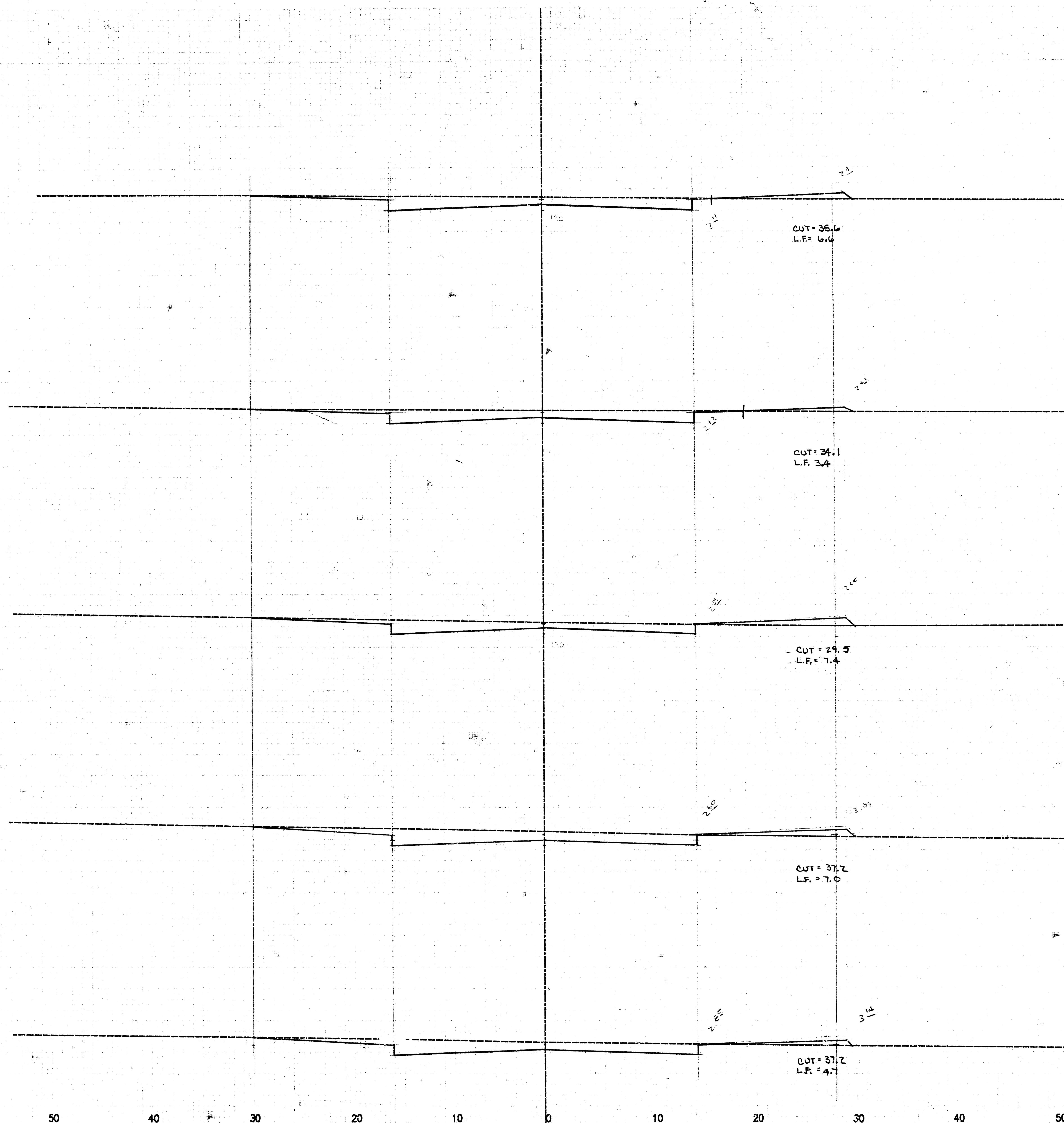
195

190

200

195

190



200

29.82
195
CUT = 45.8 CY.
L.F. = 36 CY.

190

Sta. 6+20.18

200

20.18
195
CUT = 24.1
L.F. = 3.7

190

Sta. 6+00.00

50
200
CUT = 58.9 CY.
L.F. = 10.0 CY

195

190

Sta. 5+50.00

50
200
CUT = 61.8 CY
L.F. = 15.3 CY

195

190

Sta. 5+00.00

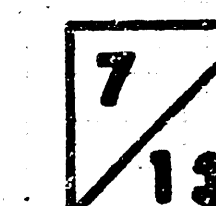
50
200
CUT = 68.9 CY
L.F. = 10.8 CY

195

190

Sta. 4+50.00

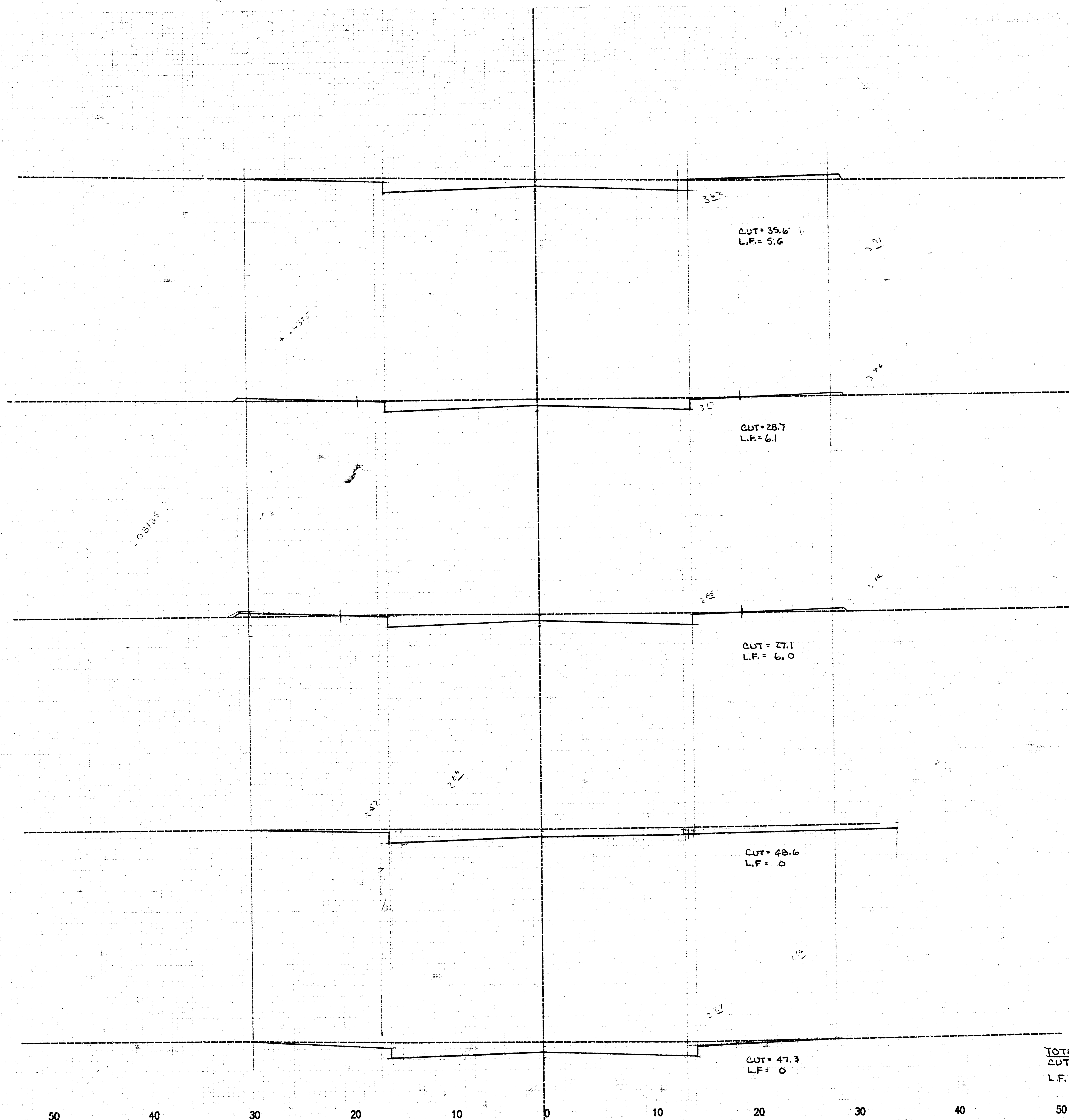
Sta. 4+50.00 to Sta. 6+20.18



HEDGETREE
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COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 472-76-245-81765-000-000-001

200
195
190
200
195
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200
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200
195
190



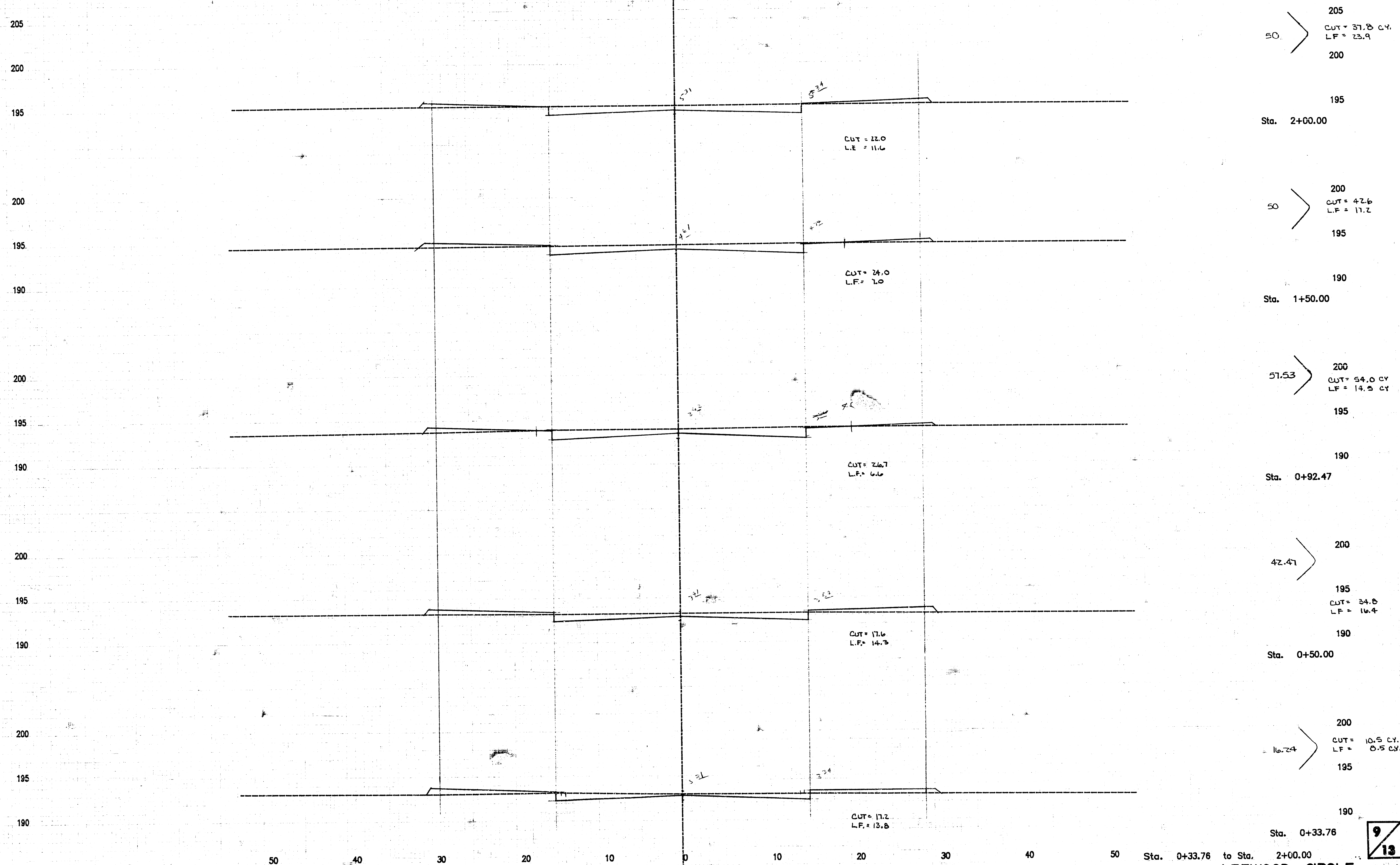
200
195
190
Sta. 8+00.00
200
CUT = 59.5 C.Y.
L.F. = 10.8 C.Y.
195
190
Sta. 7+50.00
200
CUT = 36.8 C.Y.
L.F. = 8.0 C.Y.
195
190
Sta. 7+14.43
200
CUT = 42.6 C.Y.
L.F. = 3.4 C.Y.
195
190
Sta. 6+84.06
200
CUT = 60.5 C.Y.
L.F. = 0 C.Y.
195
190
Sta. 6+50.00 to Sta. 6+84.06

TOTAL
CUT = 172.8 C.Y.
L.F. = 15.4 C.Y.

HEDGETREE

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COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
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LEEWOOD CIRCLE

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COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 468-76-245-81765-000-000-001

TOTAL
CUT = 729.6 cy
FILL = 78.6 cy

205

200

195

205

200

195

205

200

195

205

200

195

205

200

195

205

200

195

Sta. 2+66.24

CUT = 12.5
LF = 7.1

205

200

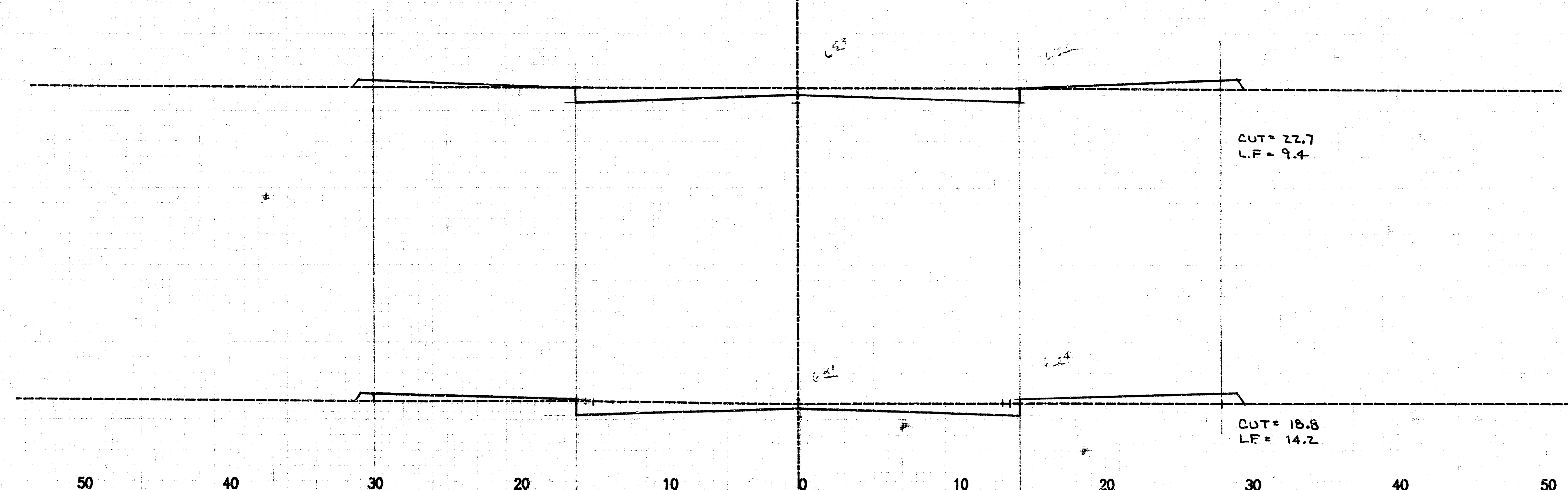
195

Sta. 2+50.00

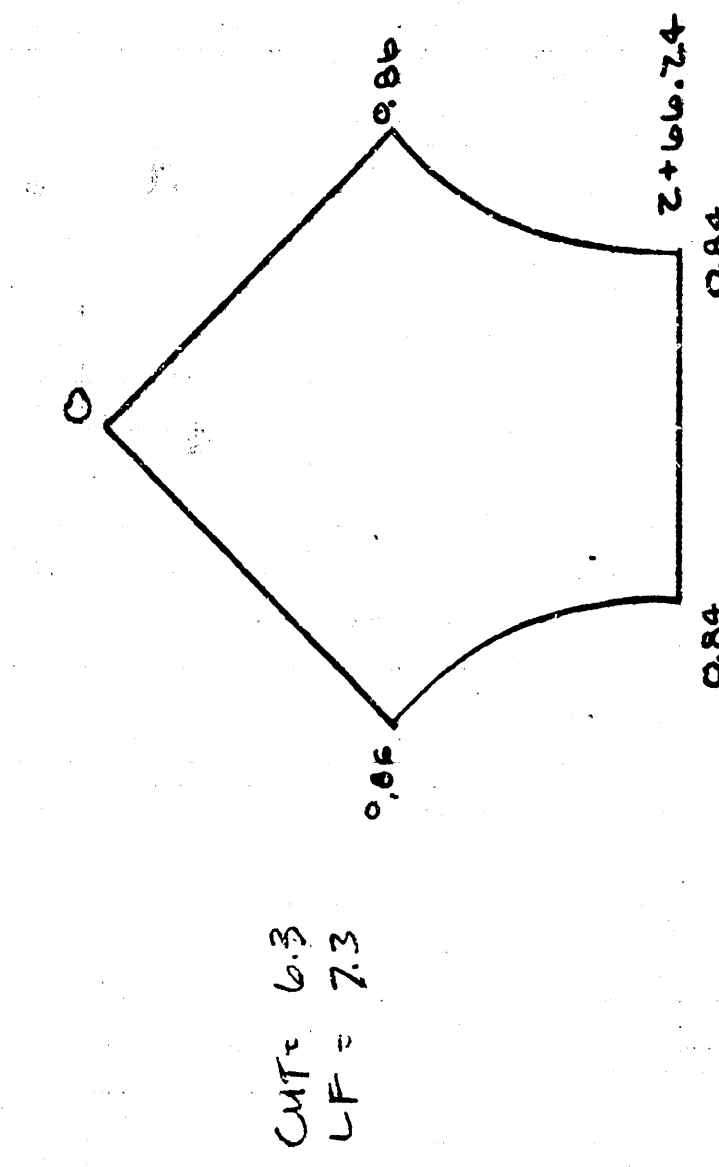
Sta. 2+66.24

LEEWOOD CIRCLE

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AVG DEPTH = 0.68
Area TOTAL = 1559 sq ft
CUT = 38.8



TOTAL
CUT = 285.5 cy
FILL = 107.4 cy

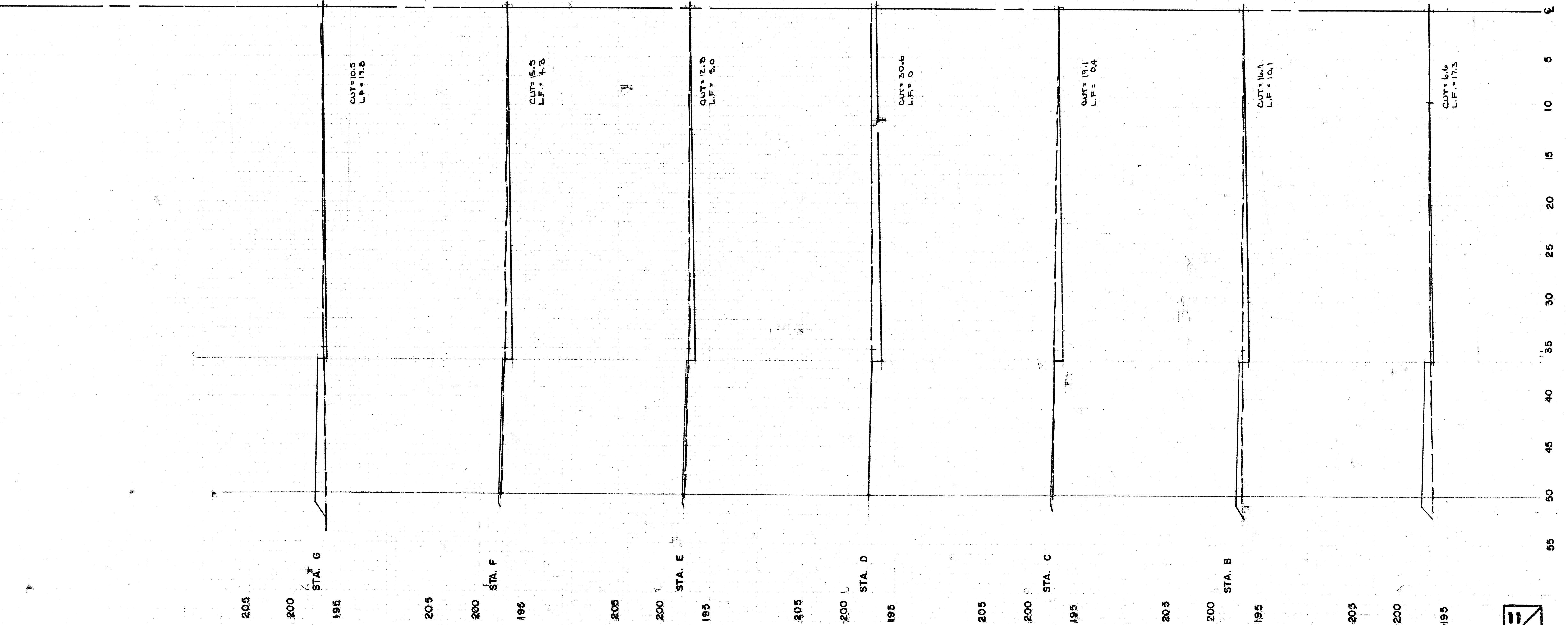
CUT = 9.5
LF = 2.8

CUT = 13.1
LF = 0.1

CUT = 11.4
LF = 1.3

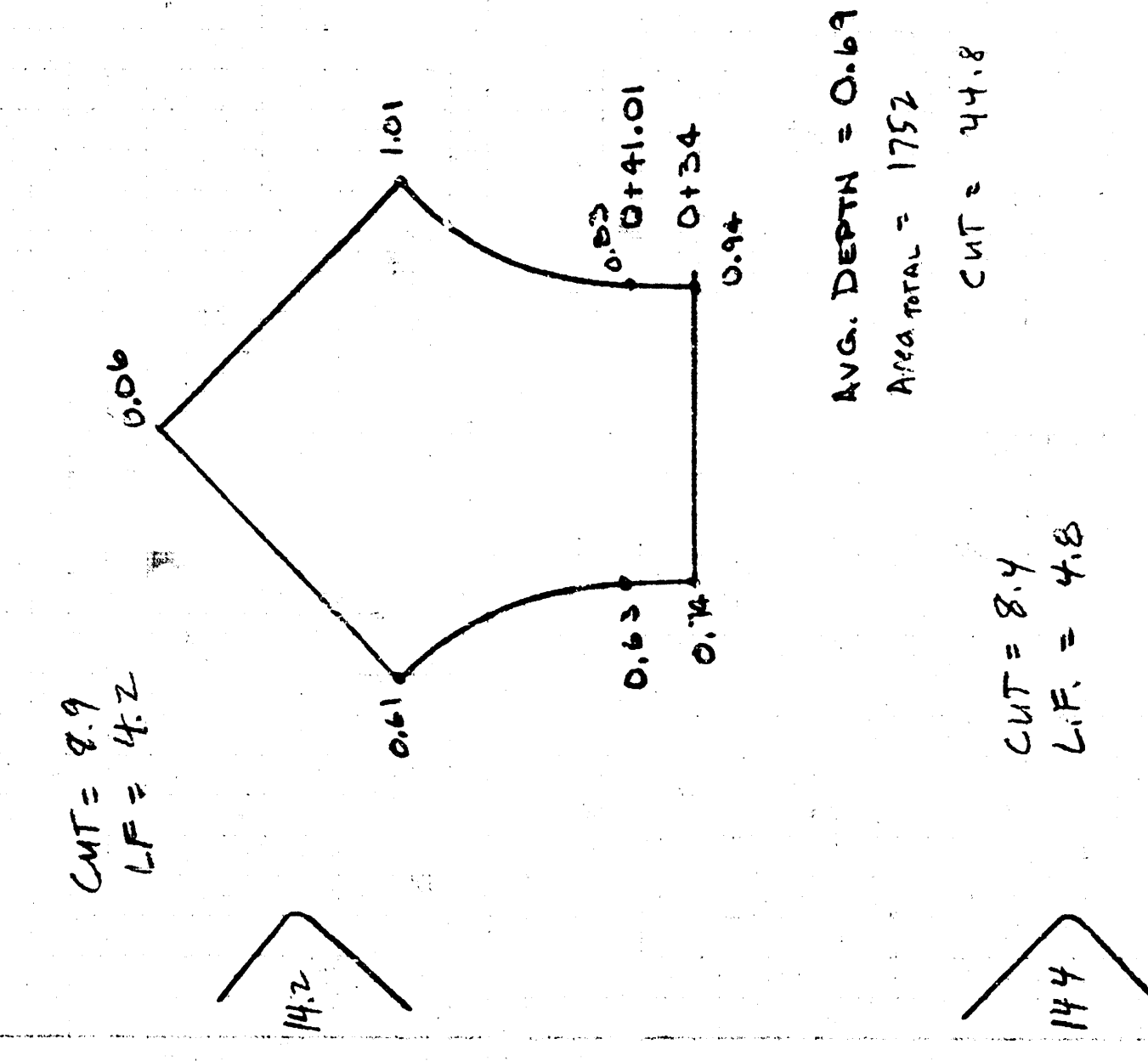
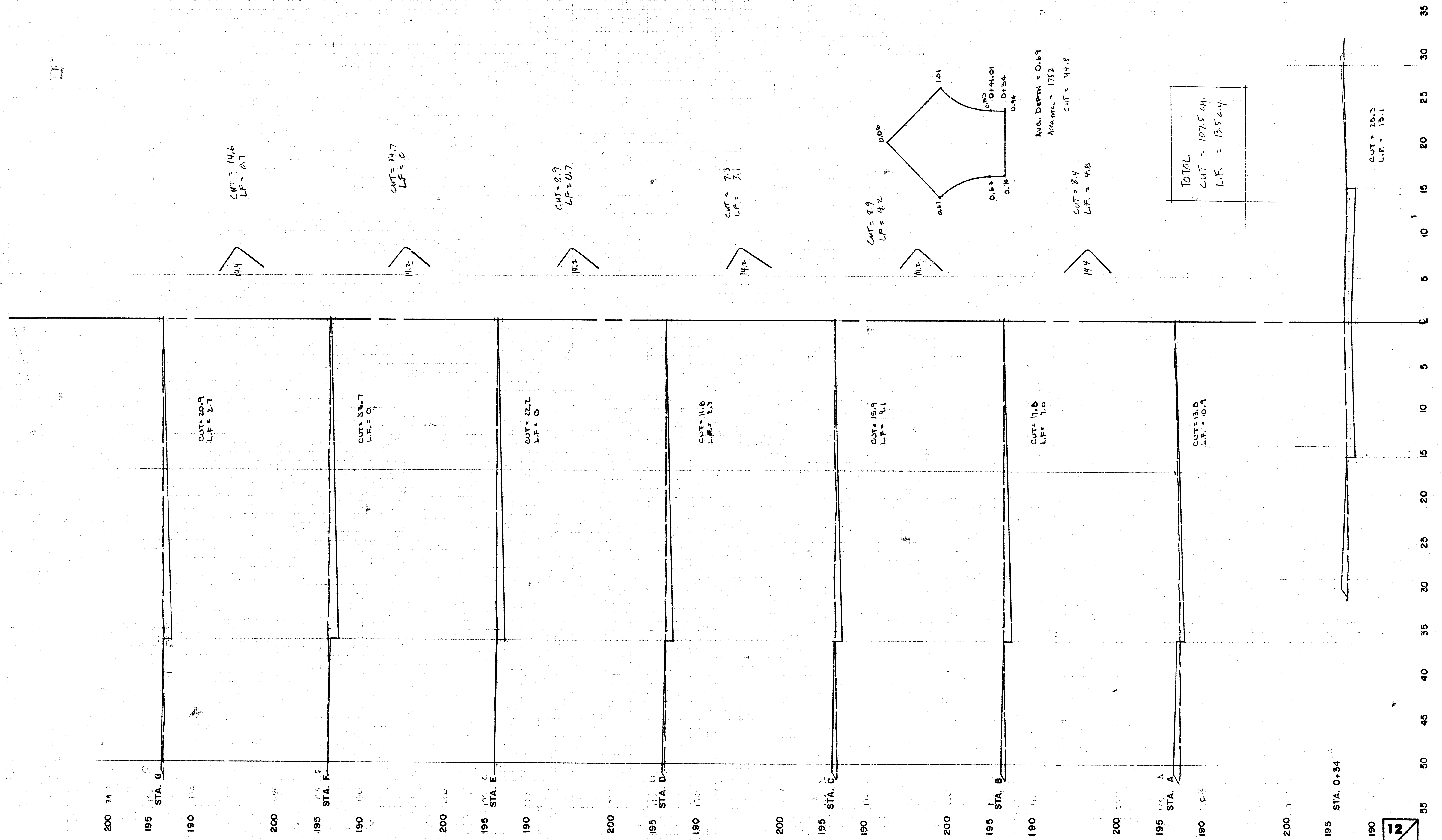
CUT = 7.4
LF = 2.4

CUT = 6.9
LF = 5.9



LEEWOOD CIRCLE

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TOTAL
CUT = 107.5 LF
LF = 135.4

CUT = 28.3
LF = 13.1

HEDGETREE COURT

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12
13

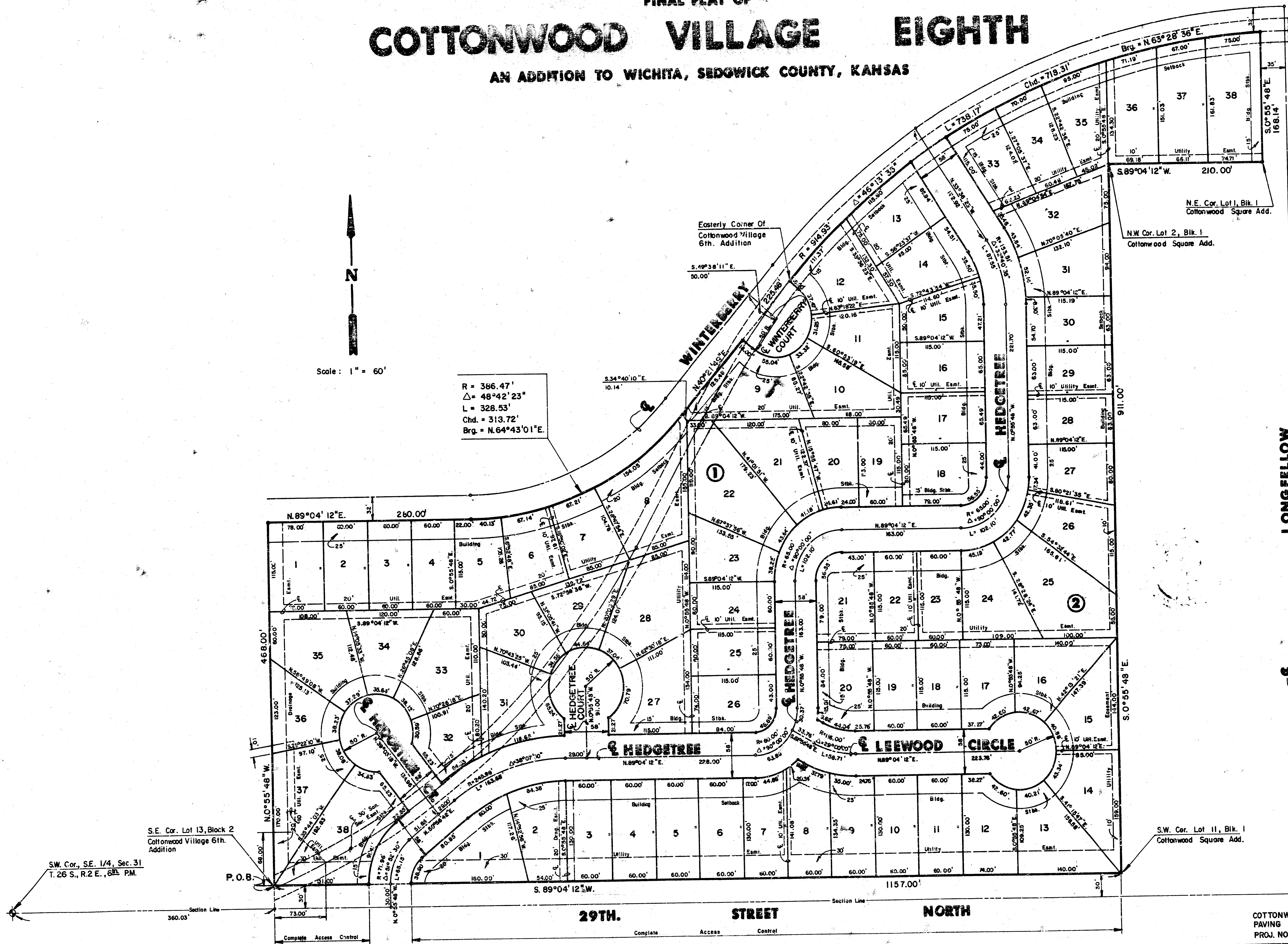
FINAL PLAT OF COTTONWOOD VILLAGE EIGHTH

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



Scale: 1" = 60'

$R = 386.47'$
 $\Delta = 48^\circ 42' 23''$
 $L = 328.53'$
 $Chd. = 313.72'$
 $Brg. = N.64^\circ 43' 01'' E.$



COTTONWOOD VILLAGE EIGHTH
 PAVING PLANS
 PROJ. NO. 472-78-245-61765-000-000-001

13
13

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