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

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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.

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

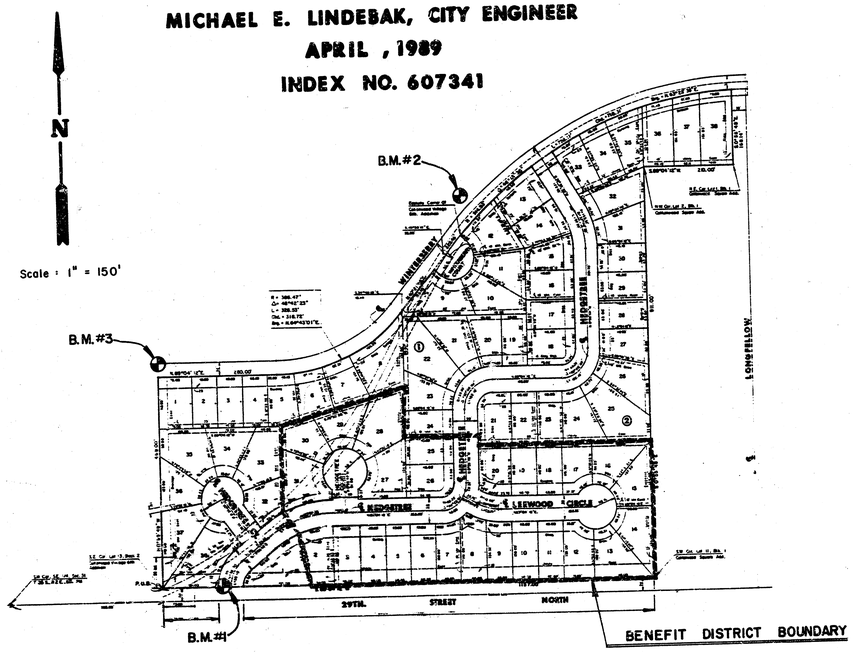
7. THE INLET HOOK-UP SHALL CONFORM TO THE RECENT MODIFICATIONS WHICH HAVE BEEN MADE TO THE STANDARD CITY OF WICHITA TYPE 1-A CURB INLETS. GUTTER ELEVATIONS SHOWN AT CURB INLETS WILL NEED TO BE ADJUSTED BY 2" (0.17 FT.) TO OBTAIN THE DEPRESSION REQUIRED FOR TYPE 1-A INLET HOOKUP.

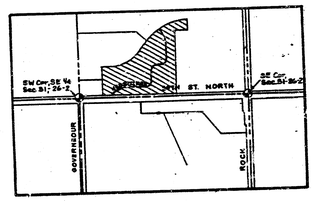
BENCHMARKS

B.M. #1 "□" Cut on top of curb on North end of Northwest return at Hedgetree and 29th Street North. Elev.=189.43

B.M. #2 "+" on top of curb and centerline of approach walk at 7500 Winterberry. Elev.=196.925

B.M. #3 "□" Cut on Southeast corner of curb inlet at Northwest corner of Cottonwood Village 8th Add. Elev.=188.85





LOCATION MAP

GREGORY J. ALLISON LICENSED 11159 PROFESSIONAL ENGINEER

590

COTTONWOOD VILLAGE EIGHTH (PHASE 2)	Design G.J.A.
PAVING PLANS	Drawn by D.L.M.
	Checked by
	Date April ,1989
	Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
636-5566

Sheet 1 of 13

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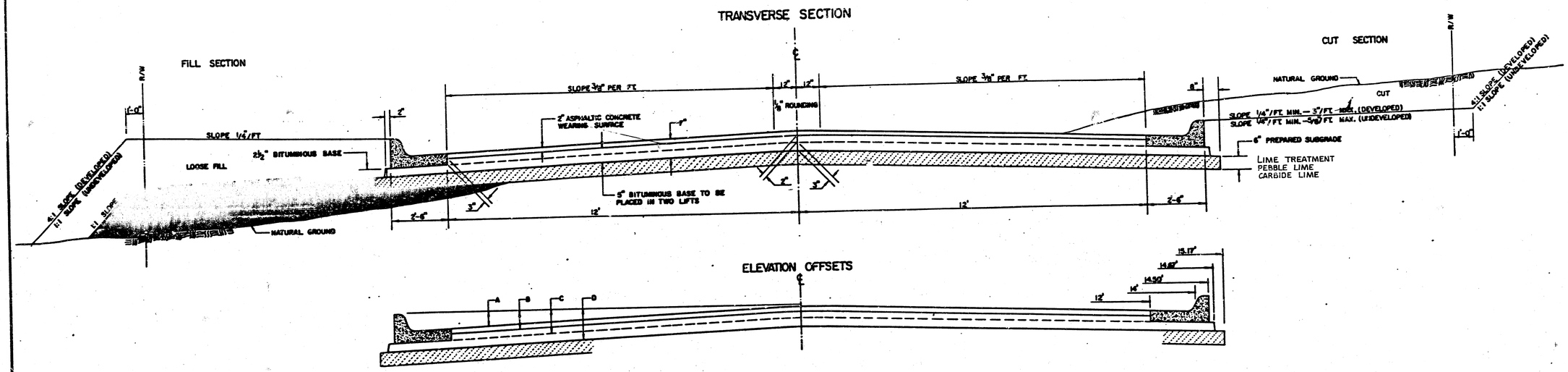
TYPICAL 29' PAVEMENT DETAILS

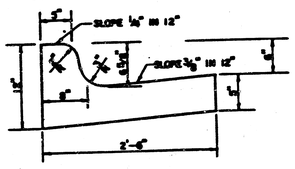
TRANSVERSE SECTION



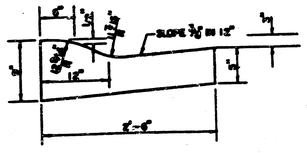
ELEVATION OFFSETS

	DISTANCE FROM CENTERLINE (LT. & 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	0.36	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	0.94	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 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.

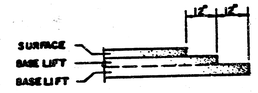
3) A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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
472-76-245-81765-000-000-001

2

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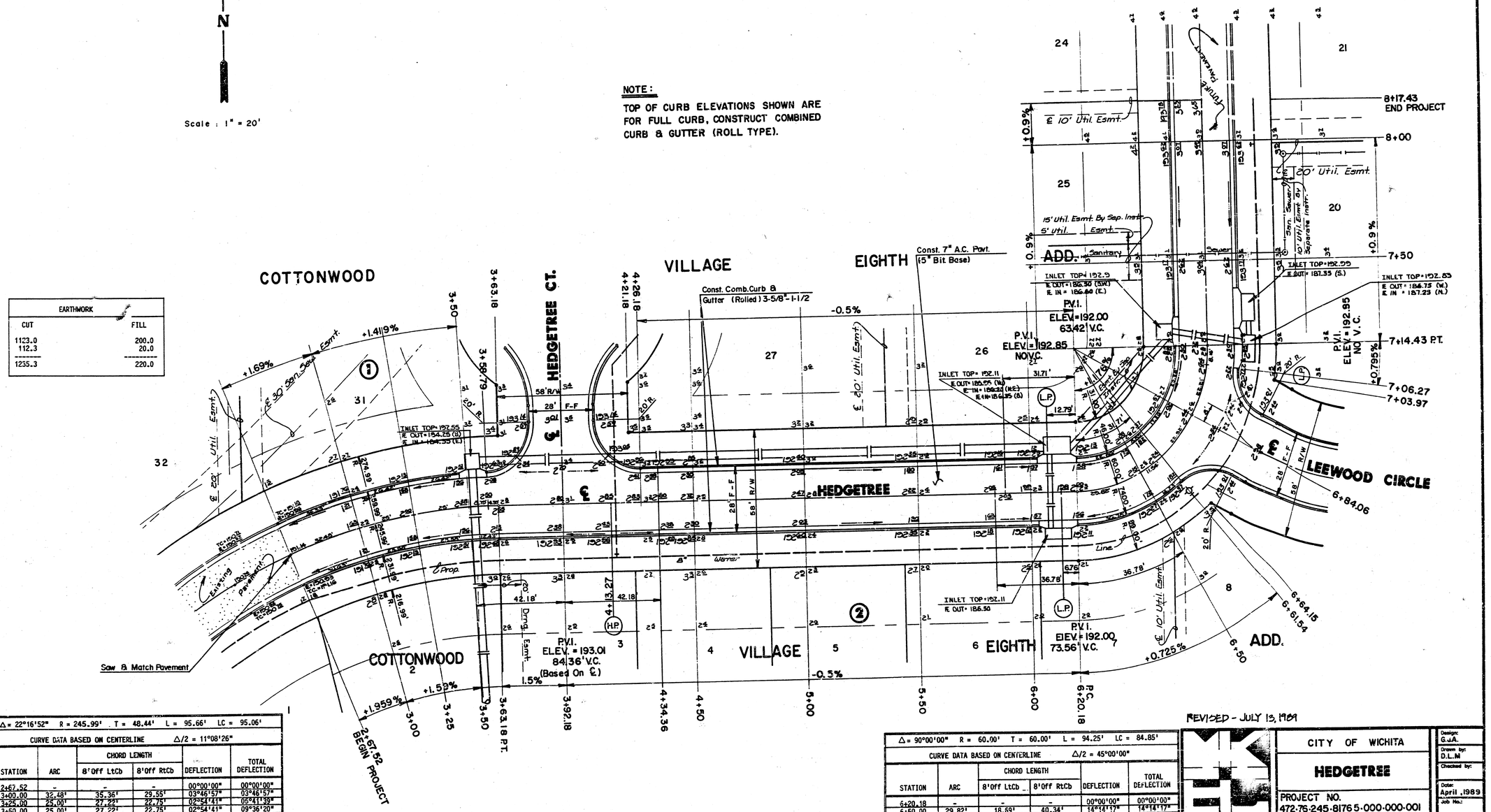
N

Scale : 1" = 20'

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

Δ = 22°16'52" R = 245.99' T = 48.44' L = 95.66' LC = 95.06'

CURVE DATA BASED ON CENTERLINE Δ/2 = 11°08'26"

STATION	ARC	CHORD LENGTH 8'Off LtCb	CHORD LENGTH 8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
2+67.52	-	-	-	00°00'00"	00°00'00"
3+00.00	32.48'	35.36'	29.55'	03°46'57"	03°46'57"
3+25.00	25.00'	27.22'	22.75'	02°54'41"	06°41'39"
3+50.00	25.00'	27.22'	22.75'	02°54'41"	09°36'20"
3+58.79	8.79'	9.58'	-	01°01'26"	10°37'45"
3+63.18	4.39'	-	12.00'	00°30'41"	11°08'26"
				Def/Ft = 6.98757 Min.	

Δ = 90°00'00" R = 60.00' T = 60.00' L = 94.25' LC = 84.85'

CURVE DATA BASED ON CENTERLINE Δ/2 = 45°00'00"

STATION	ARC	CHORD LENGTH 8'Off LtCb	CHORD LENGTH 8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
6+20.18	-	-	-	00°00'00"	00°00'00"
6+50.00	29.82'	18.69'	40.34'	14°41'17"	14°41'17"
6+61.54	11.54'	7.30'	15.75'	05°30'36"	19°44'53"
6+86.06	22.52'	14.18'	-	10°45'09"	30°30'02"
7+06.27	22.21'	13.99'	59.73'	10°36'16"	41°06'18"
7+14.43	8.16'	5.16'	11.14'	03°53'42"	45°00'00"
				Def/Ft =28.64789 Min.	

REVISED - JULY 13, 1989

CITY OF WICHITA

HEDGETREE

PROJECT NO.
472-76-245-8176-5-000-000-001

Design: G.J.A.
Drawn by: D.L.M
Checked by:
Date: April, 1989
Job No.:

MID-KANSAS ENGINEERING CONSULTANTS P.A.
3500 NORTH ROCK ROAD
BUILDING § 800
WICHITA, KANSAS 67226
636-5566

Sheet 3 of 13

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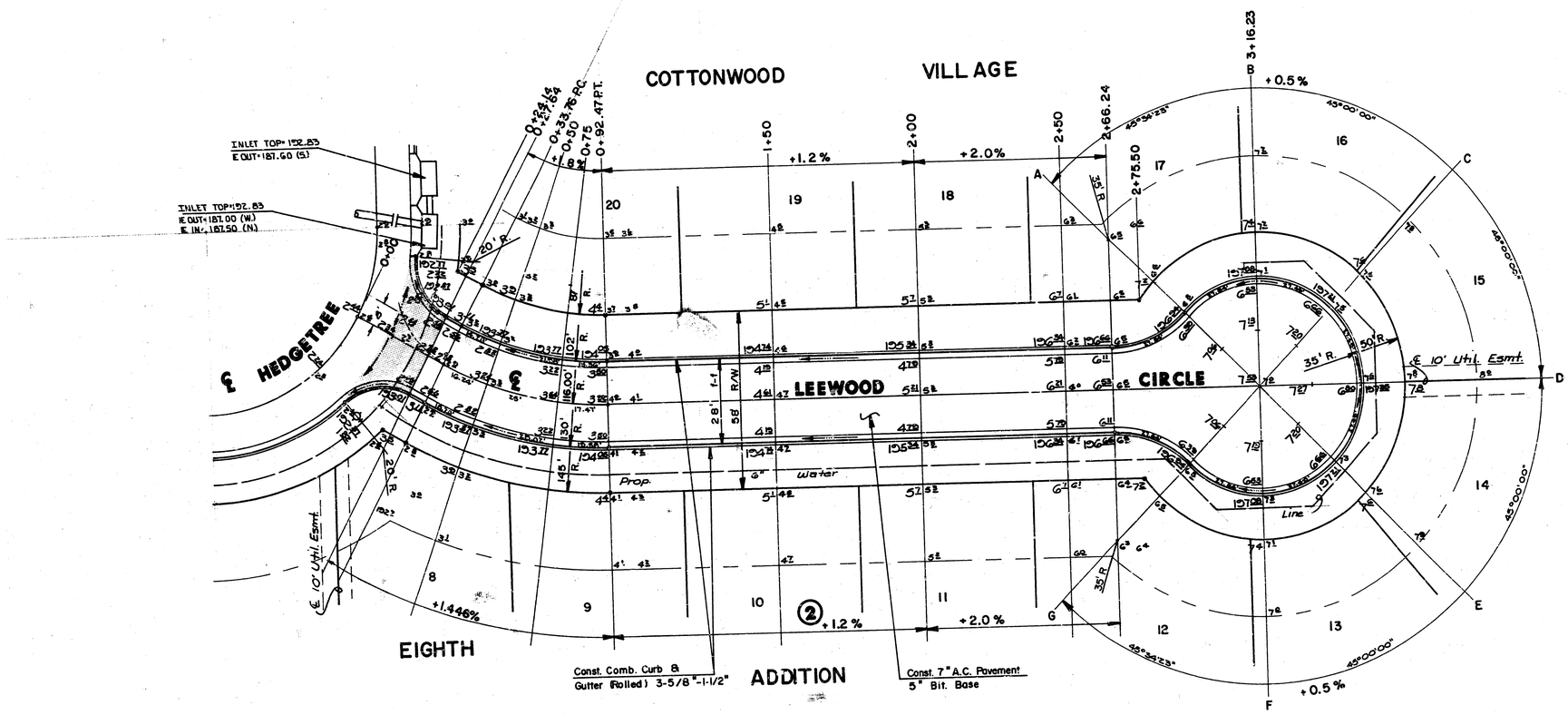
NOTE:
TOP OF CURB ELEVATIONS SHOWN ARE FOR FULL CURB, CONSTRUCT COMBINED CURB & GUTTER (ROLL CURB).



Scale : 1" = 20'

Δ = 29°00'00" R = 116.00' T = 30.00' L = 58.71' LC = 58.09'					
CURVE DATA BASED ON CENTERLINE Δ/2 = 14°30'00"					
STATION	ARC	CHORD LENGTH 8'Off LtCb	CHORD LENGTH 8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
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'	06°10'27"	10°11'05"
0+92.47	17.47'	14.15'	20.77'	04°18'55"	14°30'00"
				Def/Ft =14.81787 Min.	

INTERSECTION QUANTITIES LEEWOOD 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

LEEWOOD CIRCLE

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

Design: G.J.A.
Drawn by: D.L.M.
Checked by:
Date: April, 1969
Job No.:

Sheet 4 of 13

MID-KANSAS ENGINEERING CONSULTANTS P.A.
3500 NORTH ROCK ROAD
BUILDING F 600
WICHITA, KANSAS 67226
636-5566

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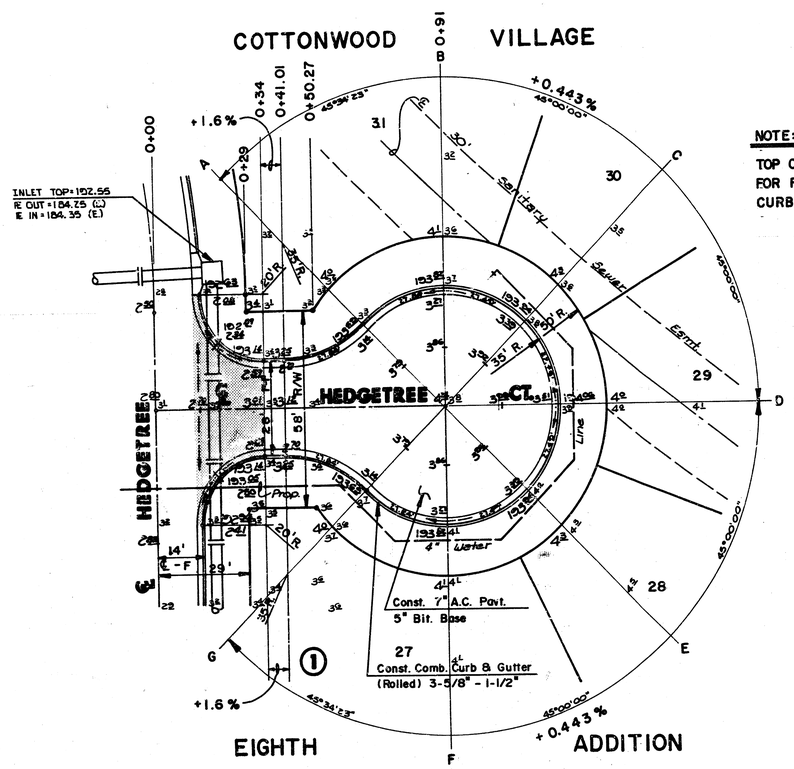

N

Scale: 1" = 20'

NOTE:

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

WATER VALVE BOXES			
Station	Dist. From Cl.	Ex. El. (Plan)	Proposed El.
Hedgetree			
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+68	26' Rt.	192.6	193.10
8+00	23' Rt.	193.5	193.76
Hedgetree Court			
1+07	40' Lt.	194.0	194.04
Lagwood Circle			
3+11	40' Lt	197.5	197.20

INTERSECTION QUANTITIES HEDGETREE CT. AND HEDGETREE
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

HEDGETREE COURT

PROJECT NO. 468-76-245-81765-000-000-001

Design: G.J.A.
Drawn by: D.L.M
Checked by:
Date: April, 1999
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
316-683-3566

Sheet 5 of 13

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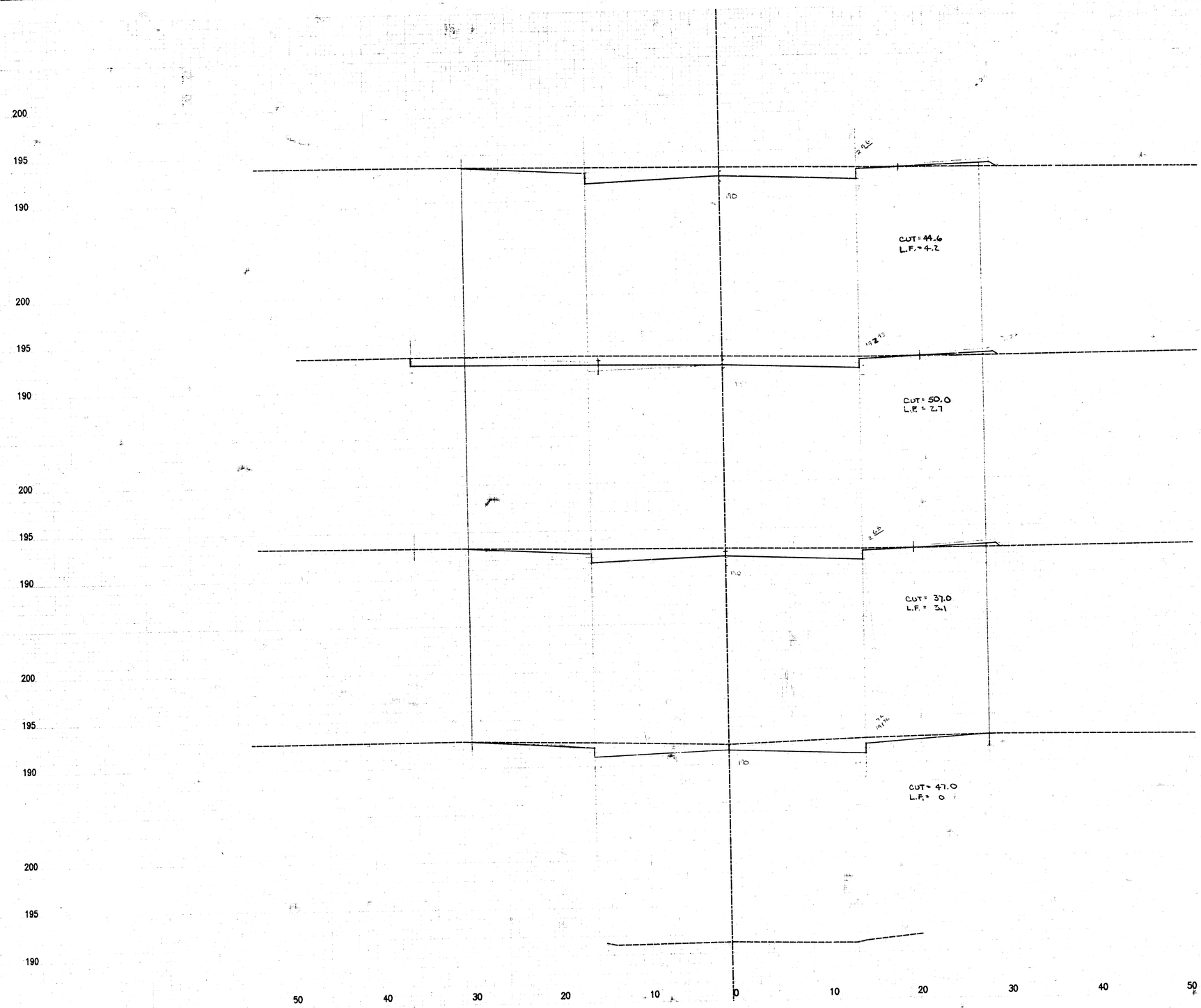
COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 472-76-245-81765-000-000-001



23.82 — CUT = 36.1, L.F. = 3.9 — Sta. 4+26.18

34.0 — CUT = 59.6 C.Y., L.F. = 4.3 — Sta. 3+92.18

29.0 — CUT = 46.7 C.Y., L.F. = 3.1 C.Y. — Sta. 3+63.18

63.18 — CUT = 98.3 C.Y., L.F. = 3.6 C.Y. — Sta. 3+00.00

32.48 — CUT = 28.3 C.Y., L.F. = 0 — Sta. 2+67.52

Sta. 2+67.52 to Sta. 4+26.18

6/13

HEDGETREE

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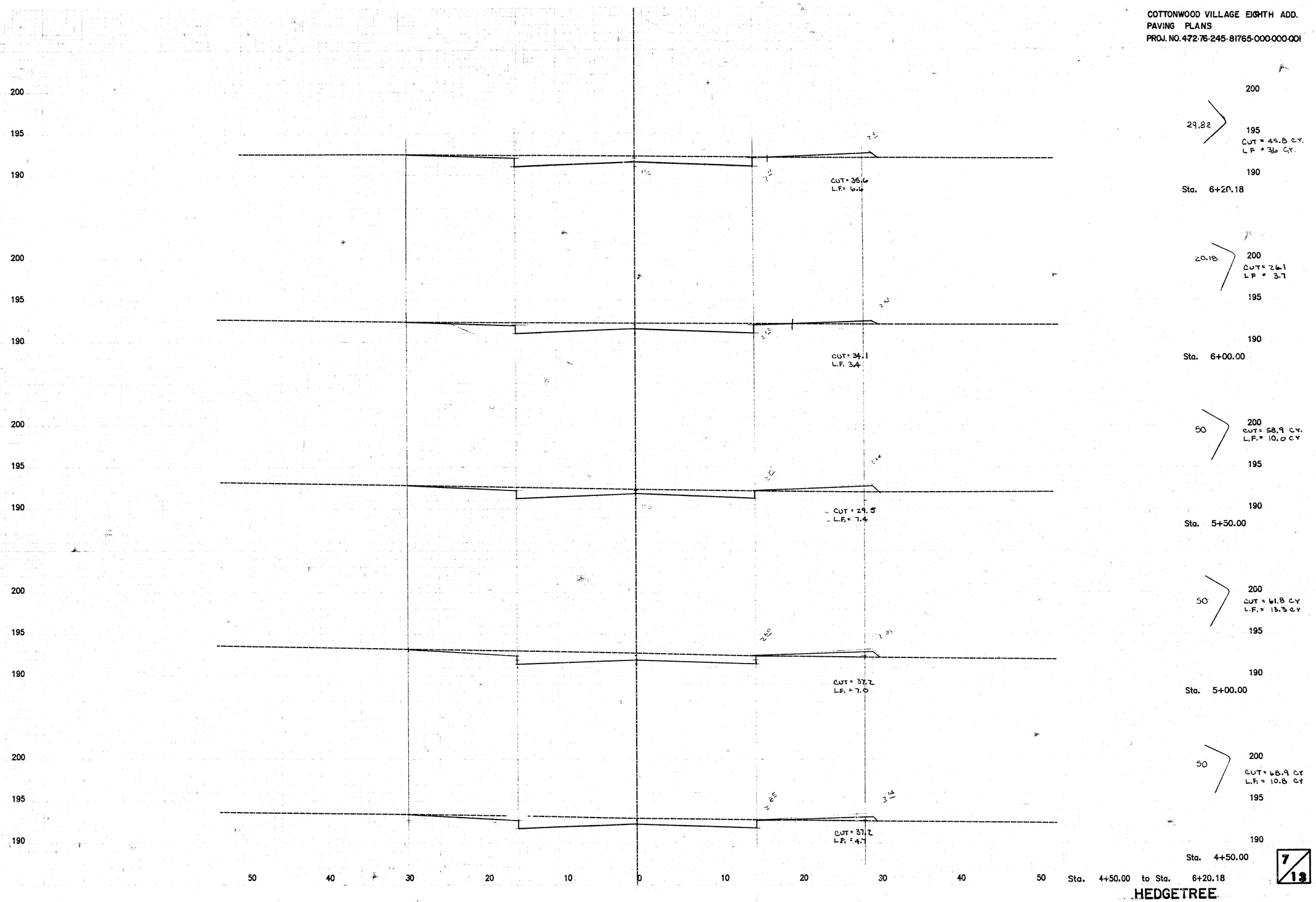
COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 472-76-245-81765-000-000-001



29.82
200
195
CUT = 45.8 C.Y.
L.F. = 3.6 C.Y.
190
Sta. 6+20.18

20.18
200
CUT = 26.1
L.F. = 3.7
195
190
Sta. 6+00.00

50
200
CUT = 58.9 C.Y.
L.F. = 10.0 C.Y.
195
190
Sta. 5+50.00

50
200
CUT = 61.8 C.Y.
L.F. = 13.3 C.Y.
195
190
Sta. 5+00.00

50
200
CUT = 68.9 C.Y.
L.F. = 10.8 C.Y.
195
190
Sta. 4+50.00

7/13

HEDGETREE

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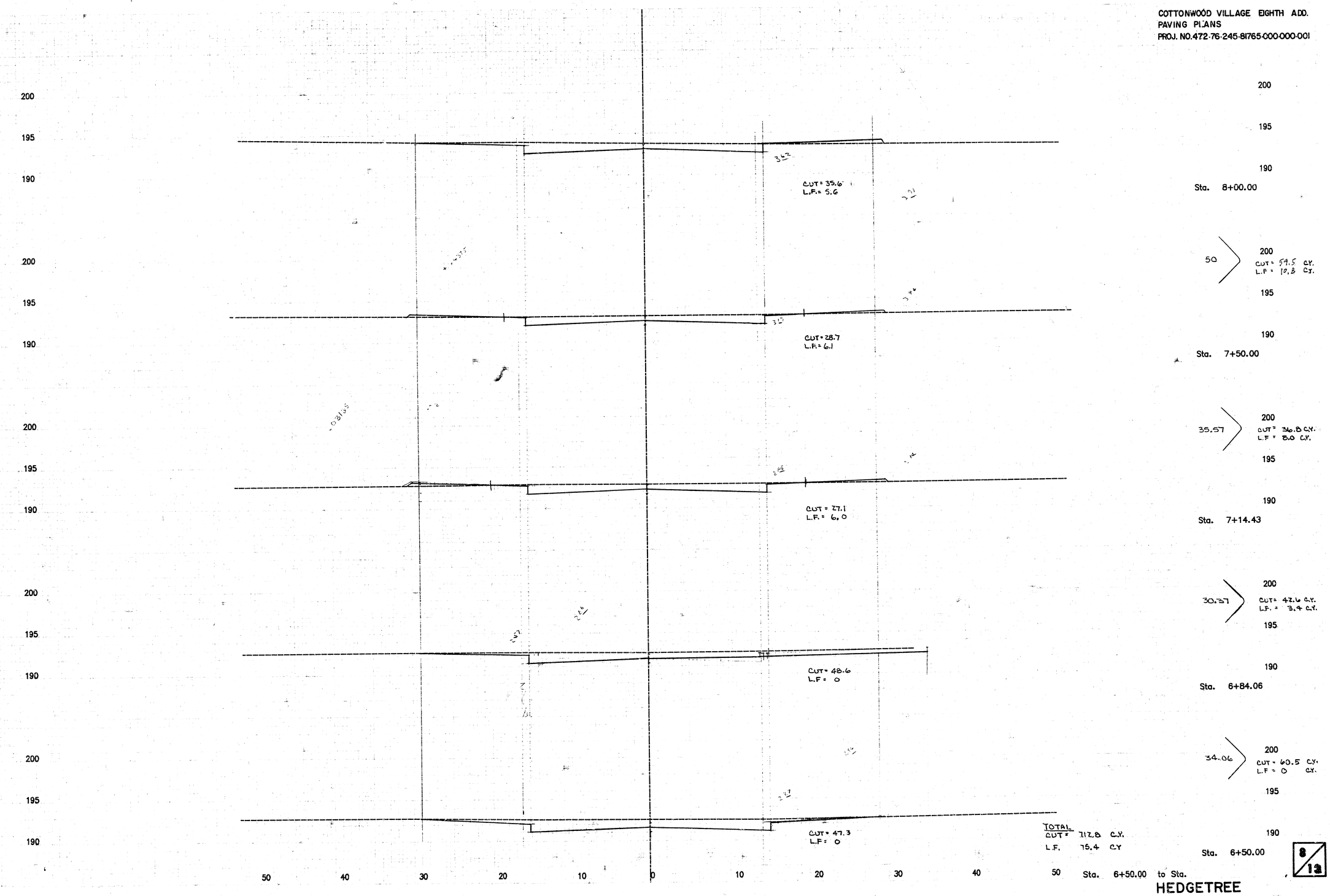
COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO.472-76-245-81765-000-000-001



Sta. 8+00.00

50 → CUT = 59.5 C.Y.
L.F. = 19.8 C.Y.

Sta. 7+50.00

35.57 → CUT = 36.8 C.Y.
L.F. = 8.0 C.Y.

Sta. 7+14.43

30.37 → CUT = 42.6 C.Y.
L.F. = 3.4 C.Y.

Sta. 6+84.06

34.06 → CUT = 60.5 C.Y.
L.F. = 0 C.Y.

Sta. 6+50.00

TOTAL
CUT = 112.8 C.Y.
L.F. 15.4 C.Y

Sta. 6+50.00 to Sta.

8/13

HEDGETREE

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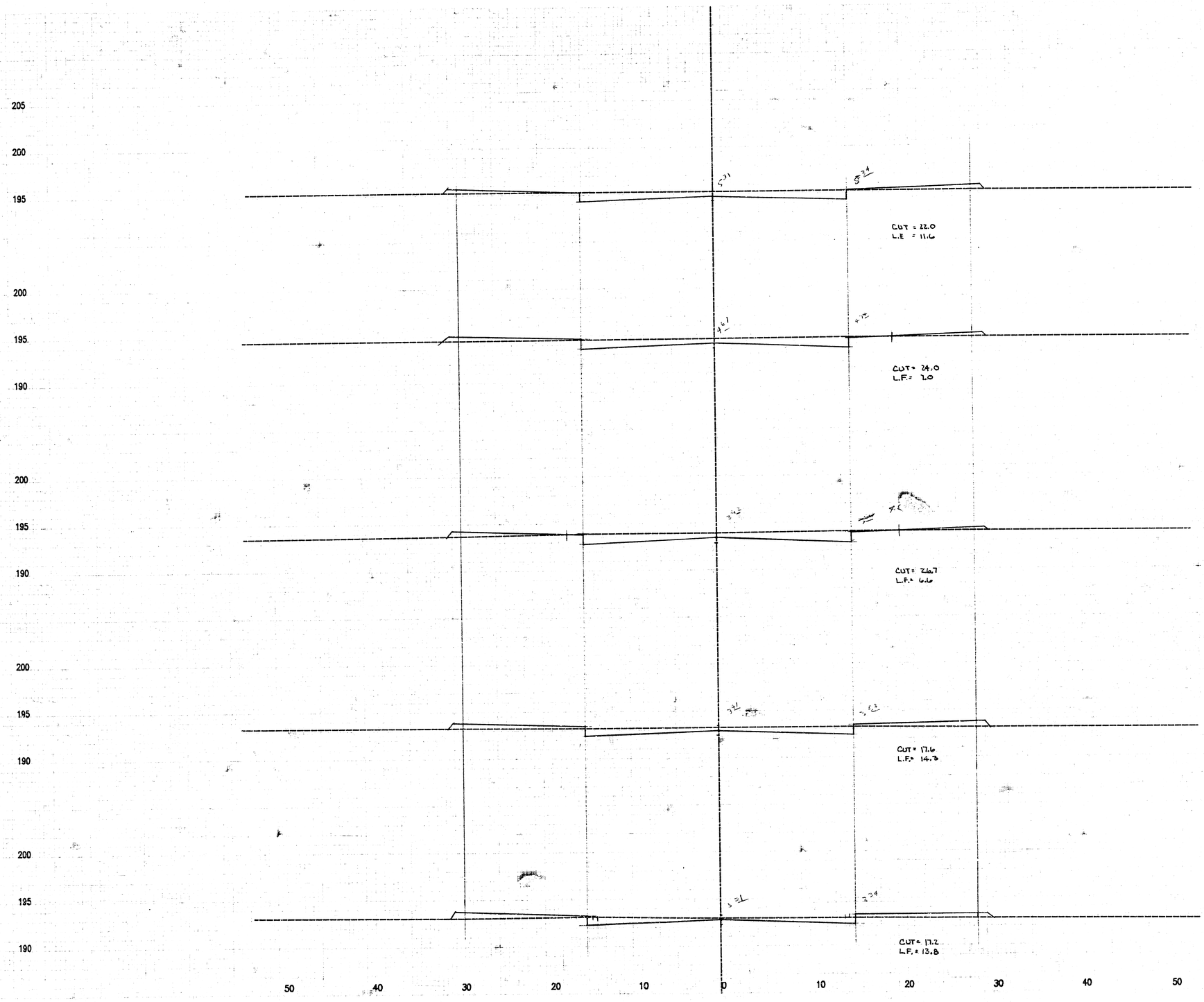
COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO.472-76-245-81765-000-000-001



50 → 205 CUT = 37.8 C.Y. L.F = 23.9 → 200

195

Sta. 2+00.00

50 → 200 CUT = 42.6 L.F = 17.2 → 195

190

Sta. 1+50.00

57.53 → 200 CUT = 54.0 CY L.F = 14.5 CY → 195

190

Sta. 0+92.47

42.47 → 200

195 CUT = 34.8 L.F = 16.4

190

Sta. 0+50.00

16.24 → 200 CUT = 10.5 C.Y. L.F = 0.5 C.Y. → 195

190

Sta. 0+33.76

Sta. 0+33.76 to Sta. 2+00.00

LEEWOOD CIRCLE

9/13

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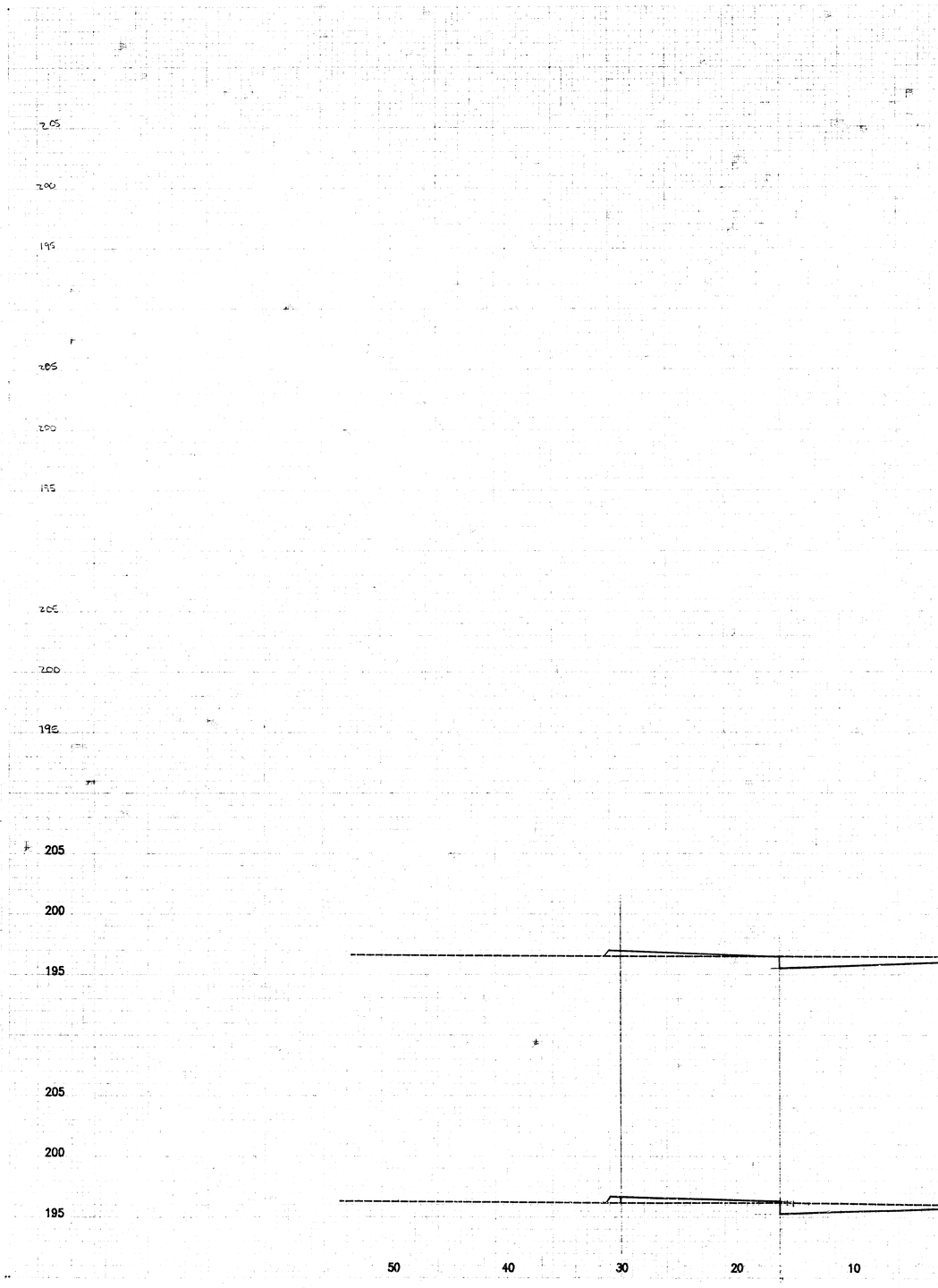
COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 468-76-245-81765-000-000-001



TOTAL
CUT = 729.6 cy
FILL = 78.6 cy

CUT = 22.7
L.F = 9.4

CUT = 18.8
LF = 14.2

Sta. 2+66.24

16.24'

CUT = 12.5
LF = 7.1

Sta. 2+50.00

Sta. 2+50.00 to Sta. 2+66.24

10/13

LEEWOOD CIRCLE

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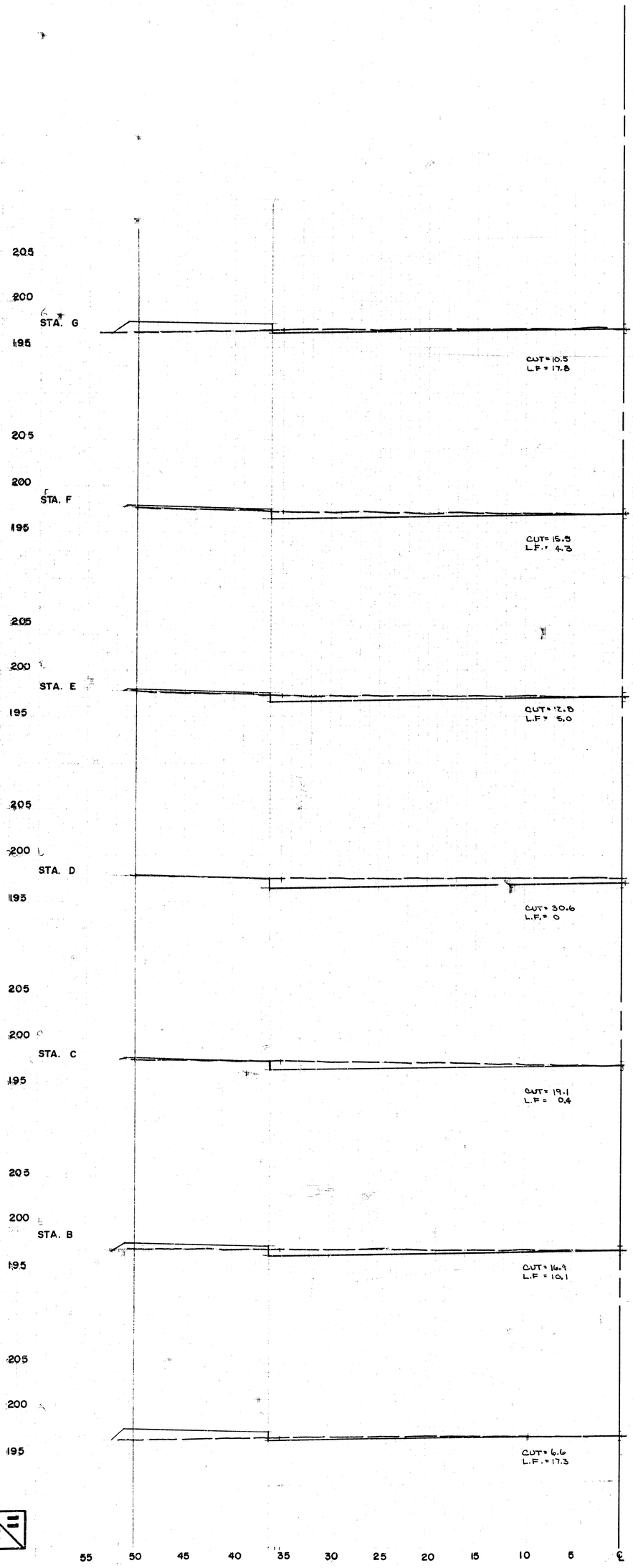


CUT = 6.9
LF = 5.9

CUT = 7.4
LF = 2.4

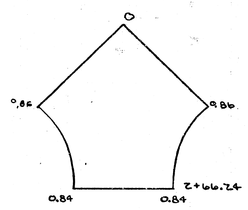
CUT = 11.4
LF = 1.3

CUT = 13.1
LF = 0.1

CUT = 9.5
LF = 2.8

CUT = 6.3
LF = 7.3

TOTAL
CUT = 285.5cy
FILL = 107.4cy



AVG DEPTH = 0.68
AREA TOTAL = 1539 s.f.
CUT = 38.8

LEEWOOD CIRCLE

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

11/13

FILMED FROM BEST AVAILABLE COPY

200
195
STA. G
190
CUT= 20.9
L.F= 2.7
14.4
CUT = 14.6
LF = 0.7
200
195
STA. F
190
CUT= 33.7
L.F. = 0
14.2
CUT = 14.7
LF = 0
200
195
STA. E
190
CUT = 22.2
L.F. = 0
14.2
CUT = 8.9
LF = 0.7
200
195
STA. D
190
CUT = 11.8
L.F. = 2.7
14.2
CUT = 7.3
LF = 3.1
200
195
STA. C
190
CUT = 15.9
L.F. = 9.1
CUT = 8.9
LF = 4.2
14.2
0.06
0.61
1.01
0.63
0.83
0+91.01
0+34
0.76
0.94
AVG. DEPTH = 0.69
AREA TOTAL = 1752
CUT = 44.8
200
195
STA. B
190
CUT = 17.8
L.F. = 7.0
14.4
CUT = 8.4
L.F. = 4.8
200
195
STA. A
190
CUT = 13.8
L.F. = 10.9
TOTOL
CUT = 107.5 c.y.
L.F. = 13.5 c.y.
200
195
STA. 0+34
190
CUT = 28.3
L.F. = 13.1
55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35

HEDGETREE COURT

12/13

COTTONWOOD VILLAGE EIGHTH ADD.
PAVING PLANS
PROJ. NO. 472-76-2458765-000-000-001

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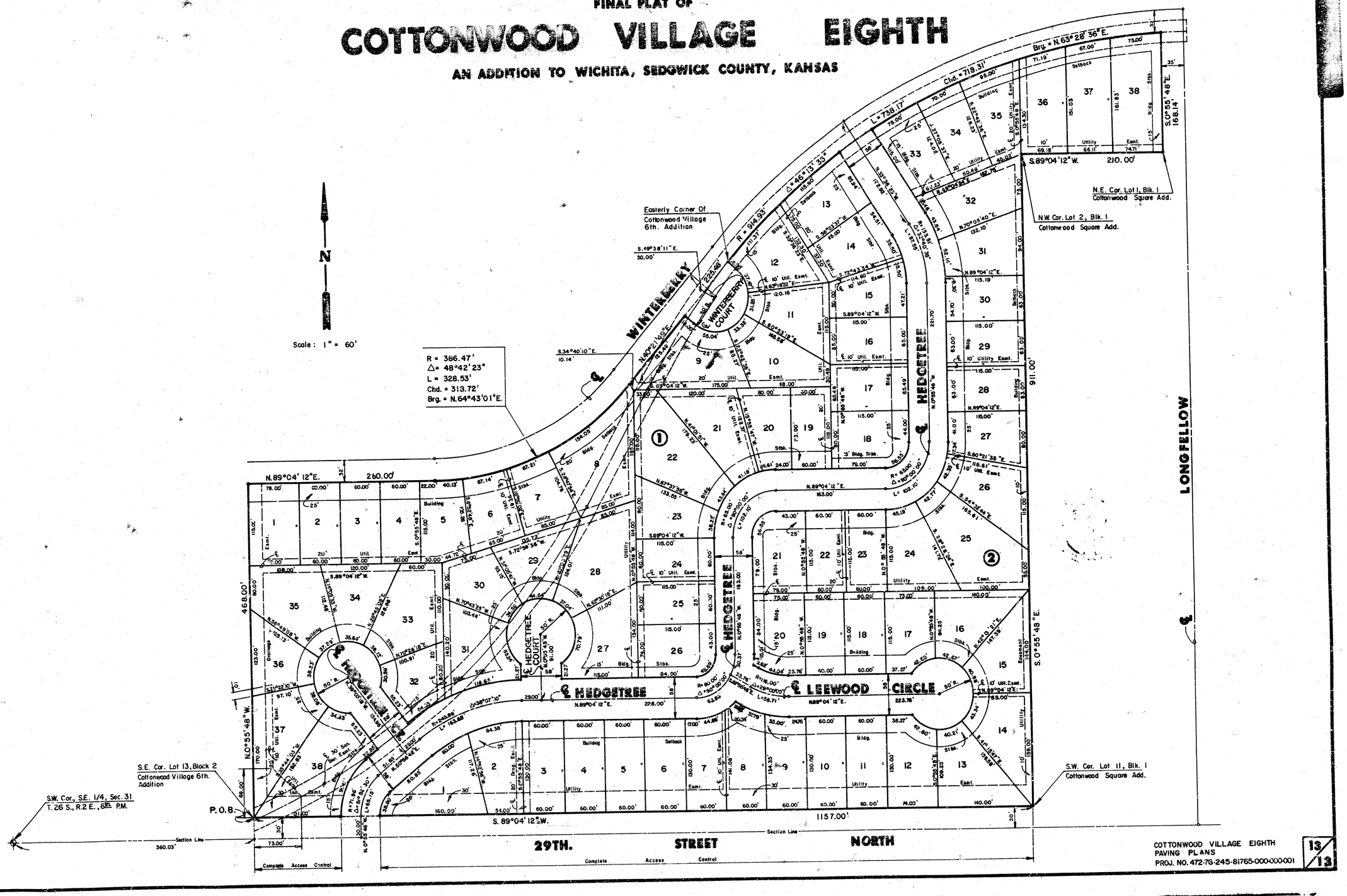
FINAL PLAT OF

COTTONWOOD VILLAGE EIGHTH

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



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

13/13

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