PAVING PLANS FOR

COTTONWOOD VILLAGE EIGHTH

(PHASE 3)

HEDGETREE : FROM THE SOUTH LINE OF LOT 24, BLOCK 1, EXTENDED, TO THE SOUTH LINE OF WINTERBERRY.

WINTERBERRY CT. : SERVING LOTS 9 THROUGH 12, BLOCK 1

PROJECT NO.

472·76·245·81766 ·000·000 ·001

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

JANUARY, 1990

INDEX NO. 760397

GENERAL NOTES

1. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL 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 IN ACCORDANCE WITH STATE LAWS.

3. 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).

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 FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
OR 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2115
CABLEVISION	262-4270 OR 263-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	268-4908
CITY OF WICHITA SEWER MAINTENANCE	268-4071
ARKLA GAS COMPANY	942-8350 OR 263-8161

6. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.

7. THIS PROJECT INCLUDES A CERTAIN AMOUNT OF ROLL TYPE CURB CONSTRUCTION. ROLL CURBS SHALL BE DEPRESSED THROUGH ALL DRIVEWAY OPENINGS WHEN SUCH DRIVES ARE CONSTRUCTED AS A PART OF THE PROJECT. NO MORE THAN 2 DRIVES 20 FEET IN WIDTH OR EQUIVALENT COMBINATIONS THEREOF ARE TO BE CONSTRUCTED WITH THIS PROJECT.

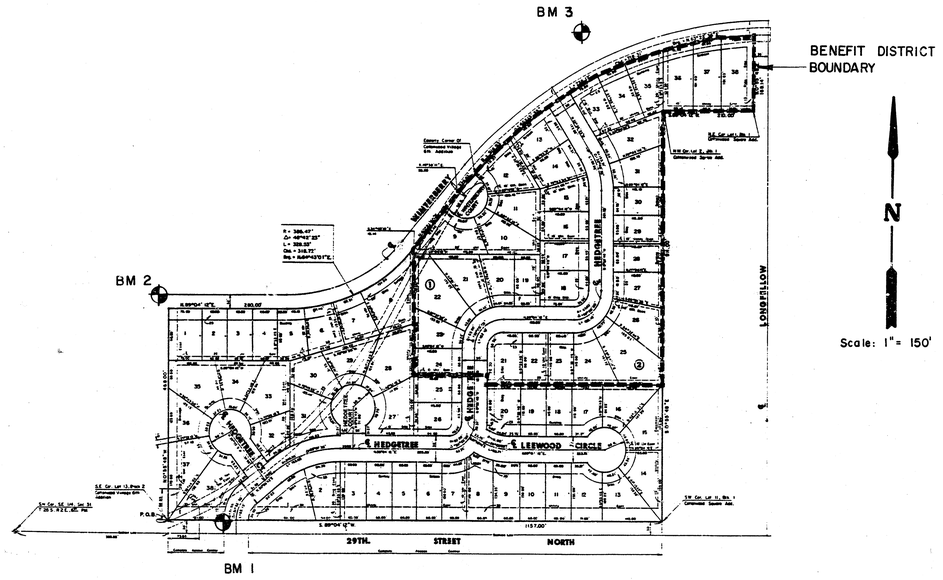
8. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW 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 SURFACE OR PAVEMENT.

BENCH MARKS

B.M. #1 "□" Cut on top of curb ca North end of Northwest return at Hedgetree and 29th Street North.
Elev.=1199.43

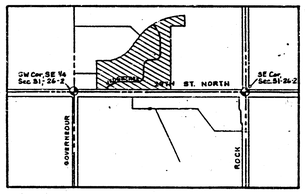
B.M. #2 "•" on top of curb and centerline of approach walk at 7500 Winterberry.
Elev.=196.925

B.M. #3 "□" Cut on Southeast corner of curb inlet at Northwest corner of Cottonwood Village 8th Add.
Elev.=1188.85



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PAVING DETAILS
3-4	PLAN HEDGETREE
5	PLAN WINTERBERRY
6-11	CROSS SECTIONS
12	FINAL PLAT



LOCATION MAP

COTTONWOOD VILLAGE EIGHTH (PHASE 3)	Design G.J.A.
PAVING PLANS	Drawn by D.L.M.
	Checked by D.S.
	Date January, 1990
	MKEC no.

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

Sheet 1 of 12

MKEC Proj. No. 88-05-113

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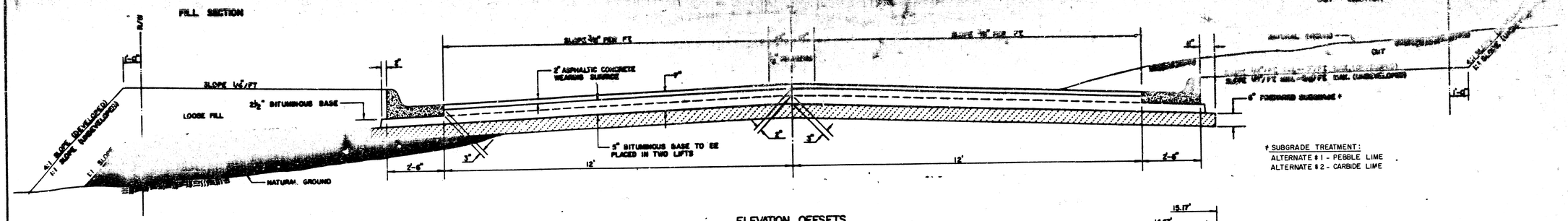
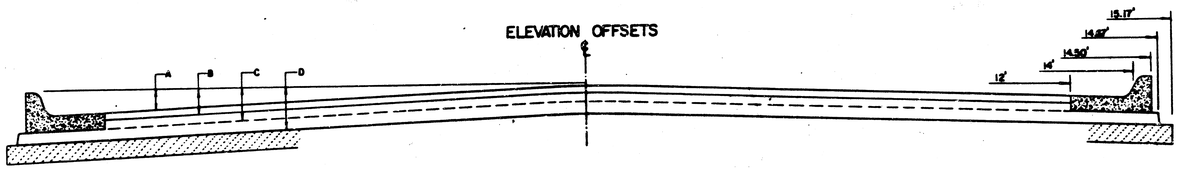
TYPICAL SECTION



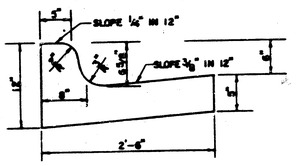
* SUBGRADE TREATMENT:
ALTERNATE # 1 - PEBBLE LIME
ALTERNATE # 2 - CARBIDE LIME

ELEVATION OFFSETS

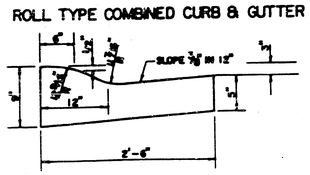


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF 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	0.94	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.

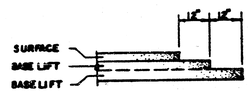
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

MKEC Proj. No. 88-05-113

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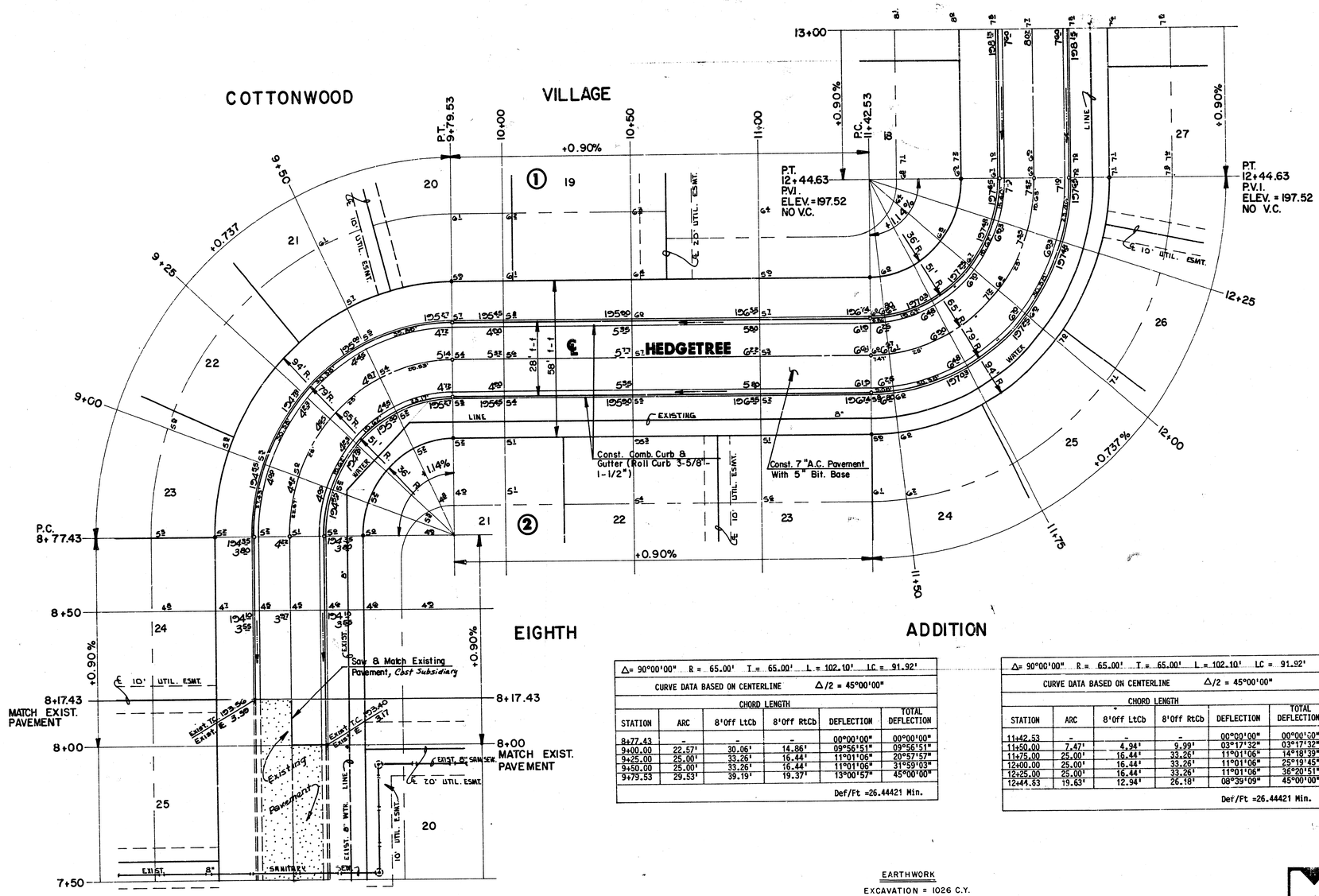

Δ= 90°00'00" R = 65.00' T = 65.00' L = 102.10' LC = 91.92'					
CURVE DATA BASED ON CENTERLINE $\Delta/2$ = 45°00'00"					
		CHORD LENGTH			
STATION	ARC	8'Off LtCb	8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
8+77.43	-	-	-	00°00'00"	00°00'00"
9+00.00	22.57'	30.06'	14.86'	09°56'51"	09°56'51"
9+25.00	25.00'	33.26'	16.44'	11°01'06"	20°57'57"
9+50.00	25.00'	33.26'	16.44'	11°01'06"	31°59'03"
9+79.53	29.53'	39.19'	19.37'	13°00'57"	45°00'00"
				Def/Ft =26.44421 Min.	

Δ= 90°00'00" R = 65.00' T = 65.00' L = 102.10' LC = 91.92'					
CURVE DATA BASED ON CENTERLINE $\Delta/2$ = 45°00'00"					
		CHORD LENGTH			
STATION	ARC	8'Off LtCb	8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
11+42.53	-	-	-	00°00'00"	00°00'00"
11+50.00	7.47'	4.94'	9.99'	03°17'32"	03°17'32"
11+75.00	25.00'	16.44'	33.26'	11°01'06"	14°18'39"
12+00.00	25.00'	16.44'	33.26'	11°01'06"	25°19'45"
12+25.00	25.00'	16.44'	33.26'	11°01'06"	36°20'51"
12+44.63	19.63'	12.94'	26.18'	08°39'09"	45°00'00"
				Def/Ft =26.44421 Min.	

EARTHWORK

EXCAVATION = 1026 C.Y.
COMPACTED FILL = 32 C.Y.

CITY OF WICHITA

HEDGETREE

PROJECT NO.
472-76-245-81766-000-000-001

Design: G.J.A.
Drawn by: D.L.M.
Checked by: D.S.
Date: JAN., 1990
Job no.

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

Sheet 3 of 12

MKEC Proj. No. 88-05-113

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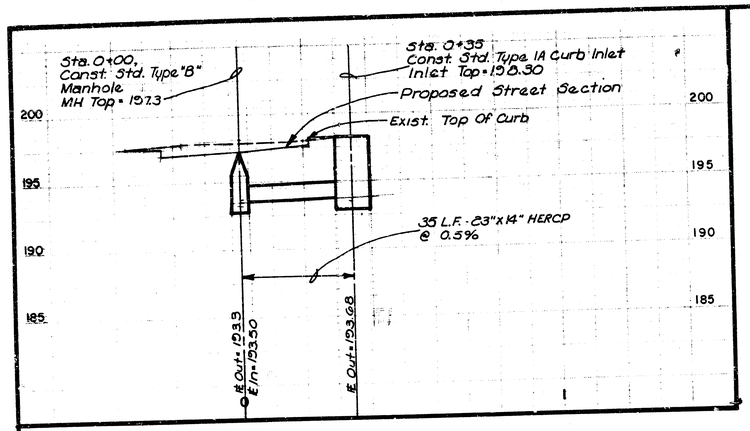

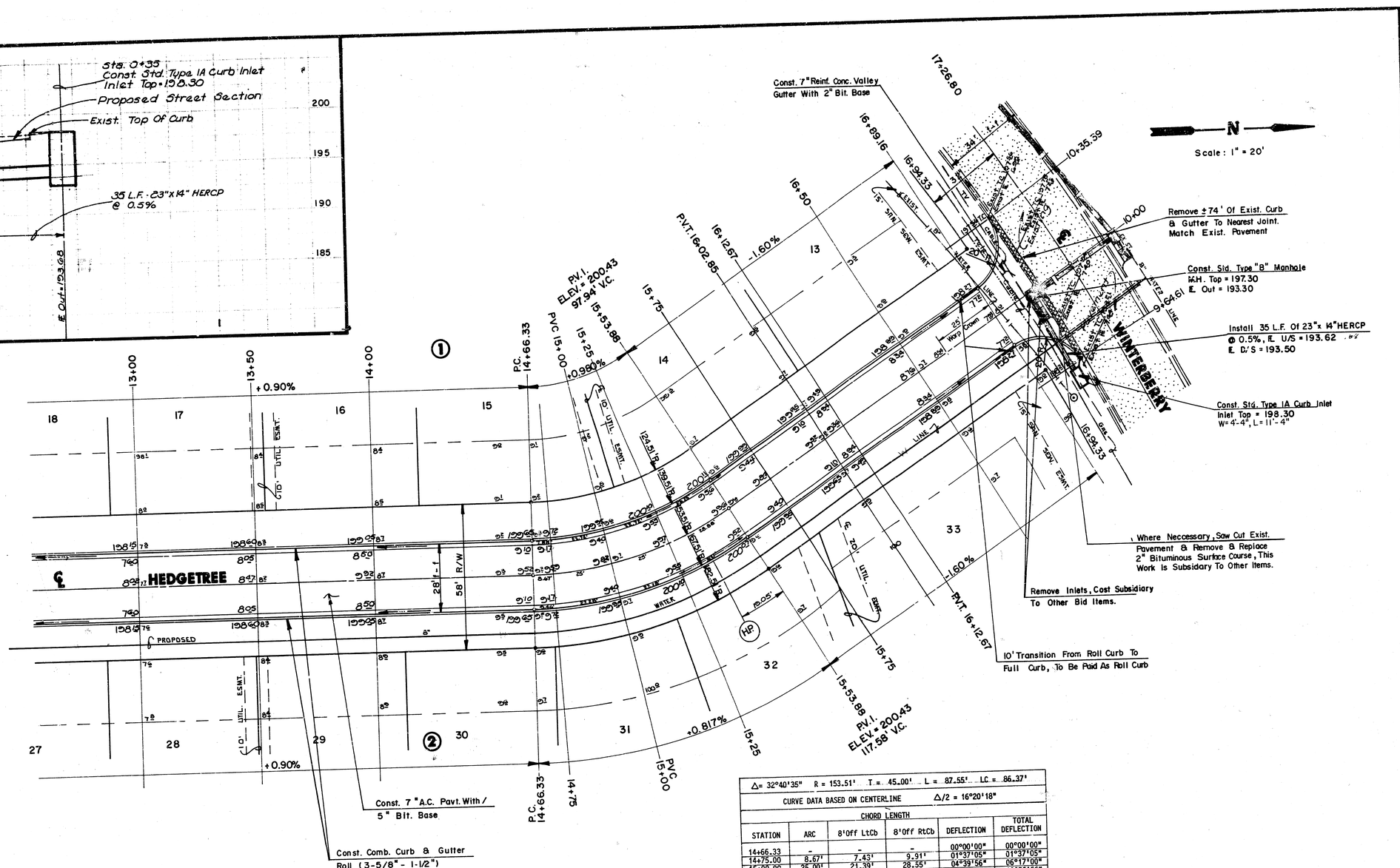

$\Delta = 32°40'35"$	$R = 153.51'$	$T = 45.00'$	$L = 87.55'$	$LC = 86.37'$	
CURVE DATA BASED ON CENTERLINE			$\Delta/2 = 16°20'18"$		
		CHORD LENGTH			
STATION	ARC	8'Off LtCb	8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
14+66.33	-	-	-	00°00'00"	00°00'00"
14+75.00	8.67'	7.43'	9.91'	01°37'05"	01°37'05"
15+00.00	25.00'	21.39'	28.55'	04°39'56"	06°17'00"
15+25.00	25.00'	21.39'	28.55'	04°39'56"	10°56'56"
15+53.88	28.88'	24.70'	32.97'	05°23'22"	16°20'17"
Def/Ft = 11.19714 Min.					

CITY OF WICHITA	Design GJA
HEDGETREE	Drawn by DJM
PROJECT NO. 472-76-245-81766-000-000-001	Checked by D.S.
	Date JAN., 1990
	Job no.
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226 636-5566	Sheet 4 of 12

MKEC Proj. No. 88-05-113

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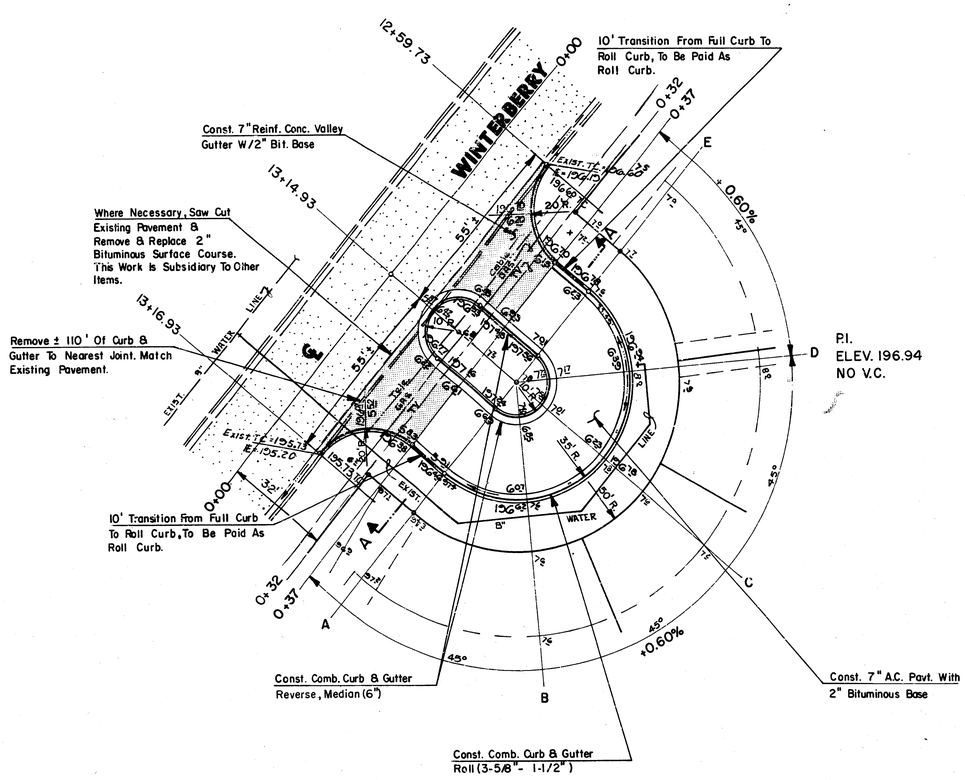
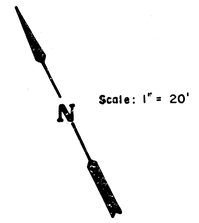
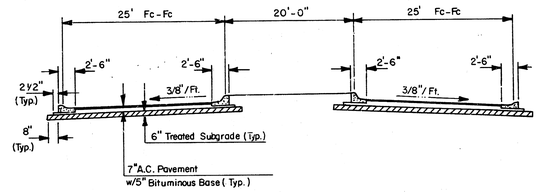




Scale: 1" = 20'



SECTION A-A

MK EC	CITY OF WICHITA HEDGETREE PROJECT NO. 472-76-245-81766-000-000-001	Design GJA Drawn by DLM Checked by D.S. Date JAN., 1990 Job no.
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226 636-5566		Sheet 5 of 12

MKEC Proj. No. 88-05-113

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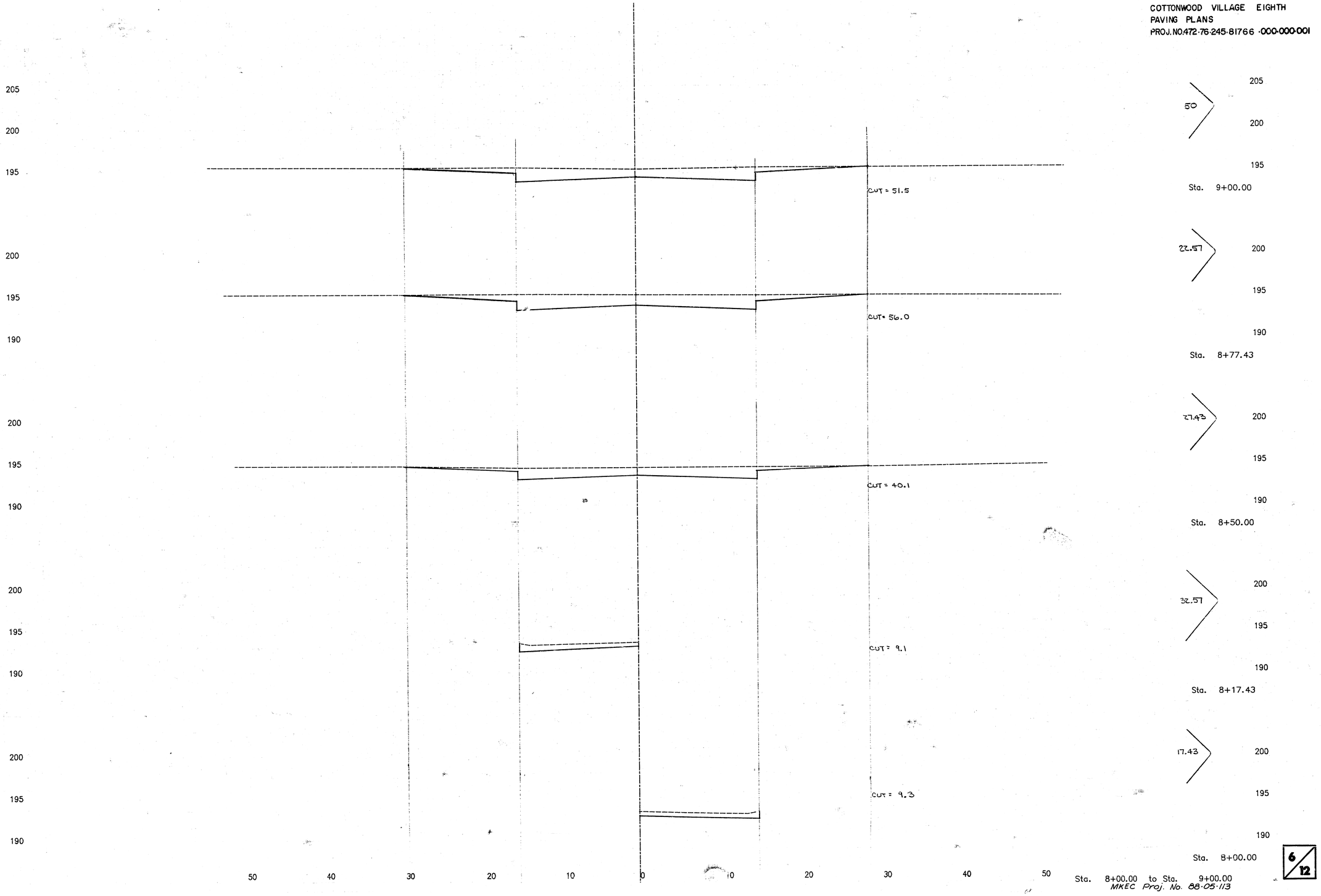
COTTONWOOD VILLAGE EIGHTH
PAVING PLANS
PROJ. NO. 472-76-245-81766 -000-000-001



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Sta. 8+77.43

Sta. 8+50.00

Sta. 8+17.43

Sta. 8+00.00

6/12

Sta. 8+00.00 to Sta. 9+00.00
MKEC Proj. No. 88-05-113

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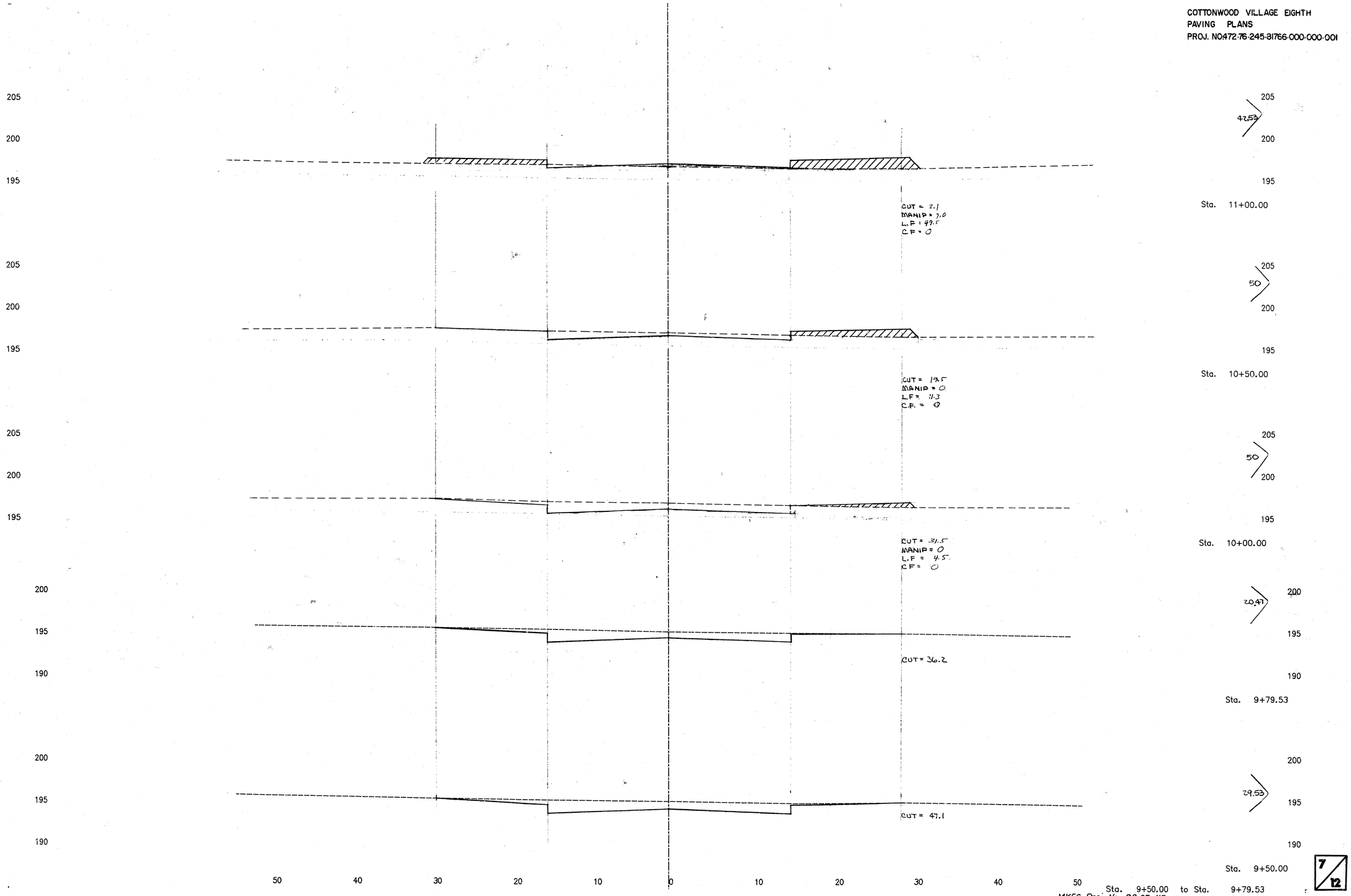
PAVING PLANS
PROJ. NO472-76-245-81766-000-000-001



205
200
195

Sta. 11+00.00

205
200
195

Sta. 10+50.00

205
200
195

Sta. 10+00.00

200
195
190

Sta. 9+79.53

200
195
190

Sta. 9+50.00

Sta. 9+50.00 to Sta. 9+79.53
Sta. 11+00.00

MKEC Proj. No. 88-05-113

7/12

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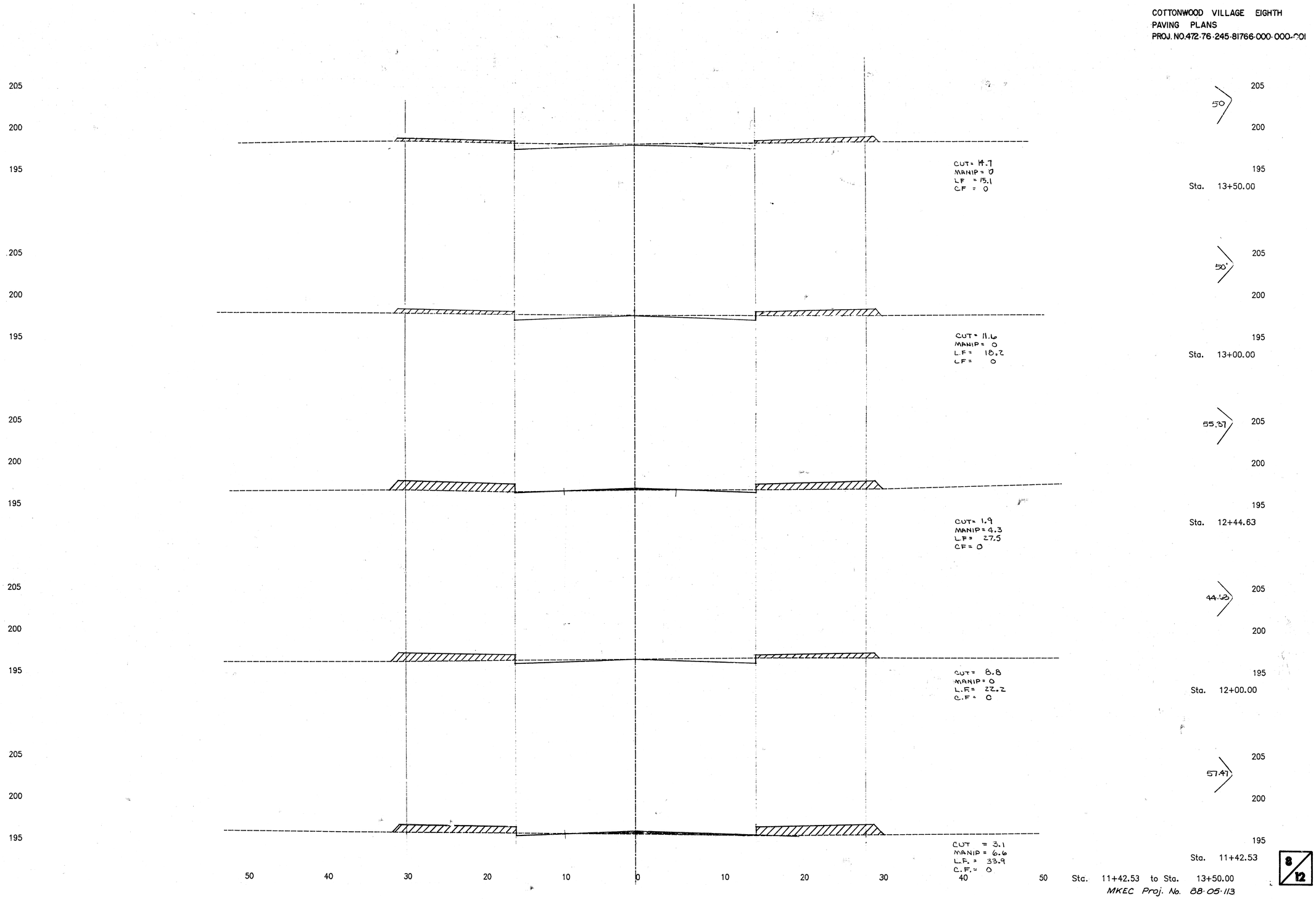
COTTONWOOD VILLAGE EIGHTH
PAVING PLANS
PROJ. NO.472-76-245-81766-000-000-001



Sta. 11+42.53 to Sta. 13+50.00
MKEC Proj. No. 88-05-113

8/12

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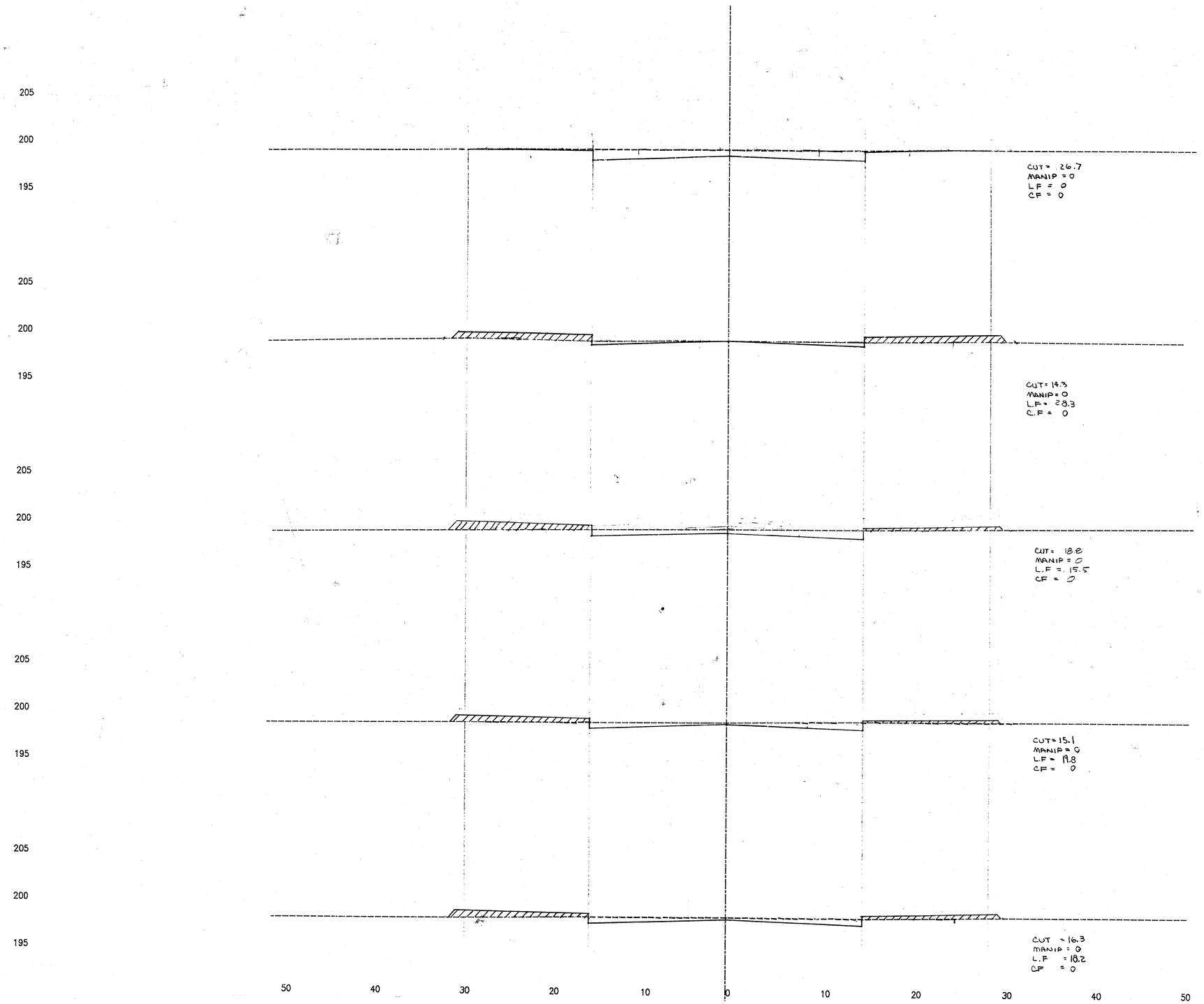

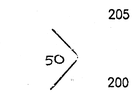

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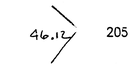

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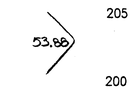

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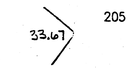

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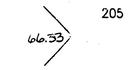

Sta. 14+00.00

9/12

Sta. 14+00.00 to Sta. 16+00.00
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PAVING PLANS
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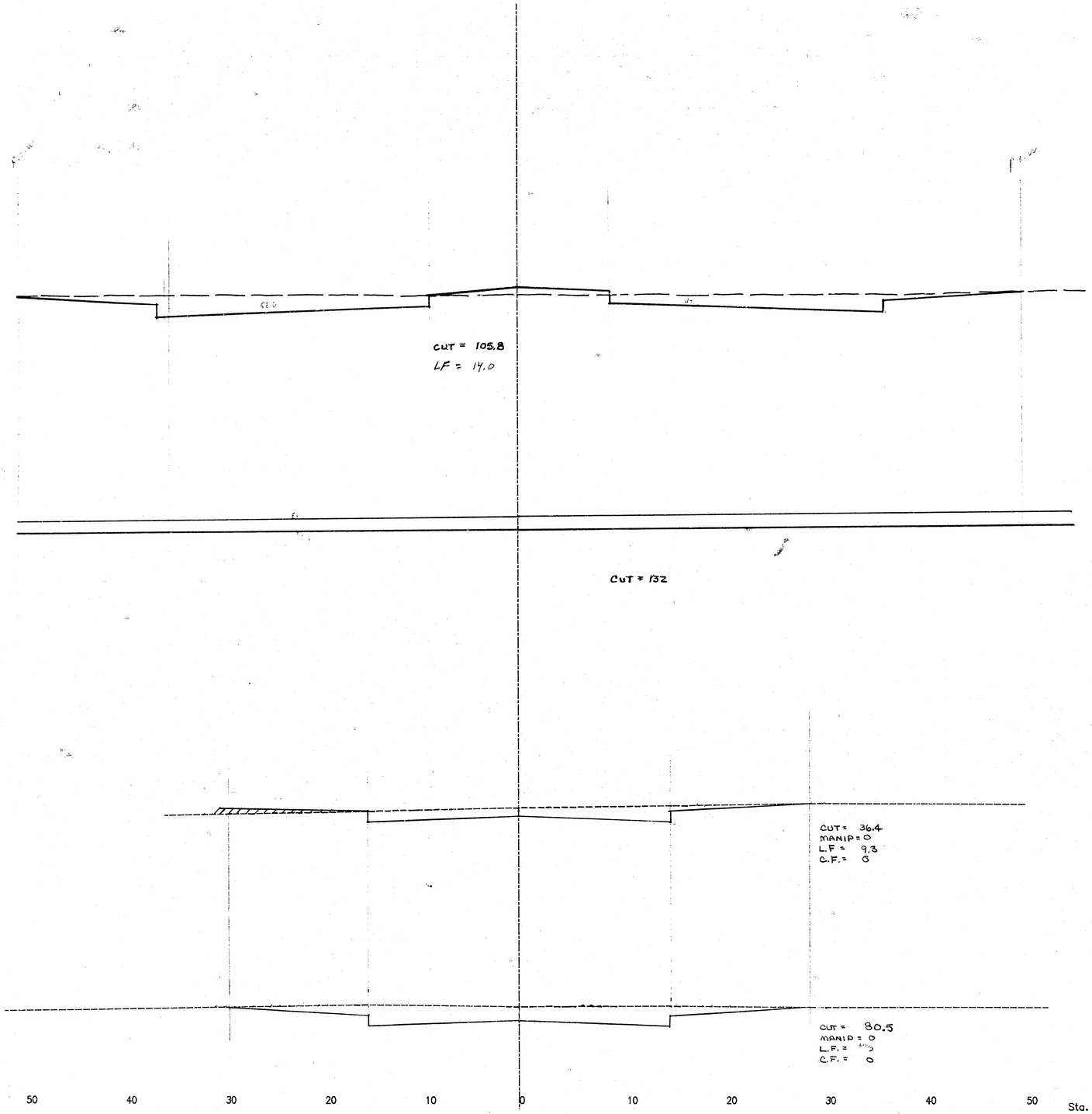

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10/12

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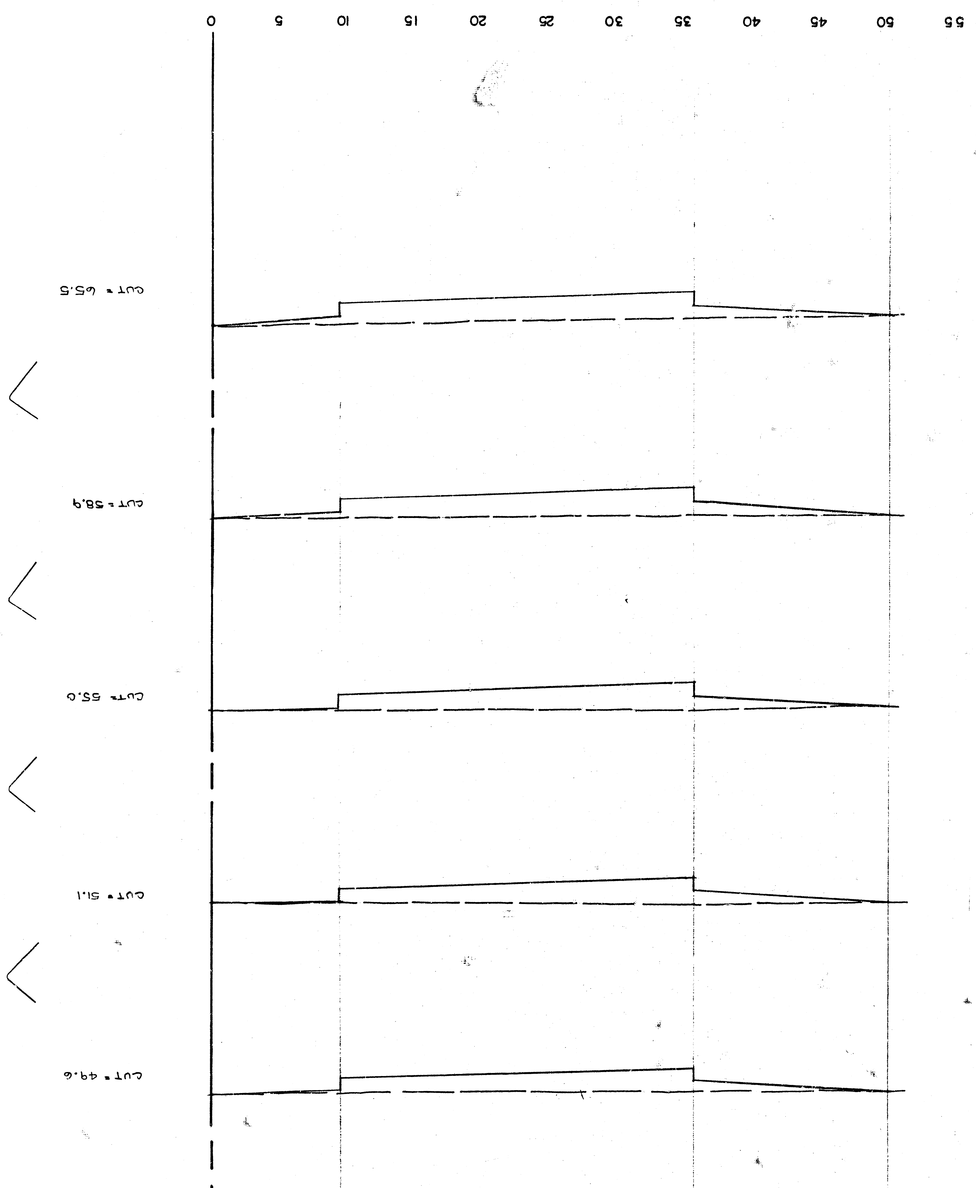
COTTONWOOD VILLAGE EIGHTH
PAVING PLANS
PROJ.NO.472.76.245.81766.000-000-001



11/12

MKEC Proj. No. 88-05-113

STATION	DIST	AVERAGE END AREAS C.F.	AVERAGE END AREAS L.F.	MASS ORD.	VOLUME CUT	VOLUME C.F.	VOLUME L.F.	VOLUME MASS ORD.
800.00		9.3	0.0	0.0	5.9	0.0	0.0	0.0
	17.43							
817.43		9.1	0.0	0.0	29.7	0.0	0.0	0.0
	32.57							
850.00		40.1	0.0	0.0	48.8	0.0	0.0	0.0
	27.43							
877.43		56.0	0.0	0.0	44.9	0.0	0.0	0.0
	22.57							
900.00		51.5	0.0	0.0	91.3	0.0	0.0	0.0
	50.00							
950.00		47.1	0.0	0.0	45.6	0.0	0.0	0.0
	29.53							
979.53		36.2	0.0	0.0	25.7	0.0	1.7	0.0
	0.47							
1000.00		31.5	0.0	0.0	47.2	0.0	14.6	0.0
	50.00							
1050.00		19.5	0.0	0.0	20.0	0.0	56.3	6.5
	50.00							
1100.00		2.1	0.0	7.0	4.1	0.0	65.7	10.7
	42.53							
1142.53		3.1	0.0	6.6	12.7	0.0	59.7	7.0
	57.47							
1200.00		8.8	0.0	0.0	8.8	0.0	41.1	3.6
	44.63							
1244.63		1.9	0.0	4.3	13.8	0.0	46.9	4.4
	55.37							
1300.00		11.6	0.0	0.0	24.4	0.0	30.8	0.0
	50.00							
1350.00		14.7	0.0	0.0	28.7	0.0	30.8	0.0
	50.00							
1400.00		16.3	0.0	0.0	36.6	0.0	46.7	0.0
	44.33							
1444.33		15.1	0.0	0.0	21.1	0.0	22.0	0.0
	33.67							
1500.00		18.8	0.0	0.0	33.0	0.0	43.7	0.0
	53.88							
1553.88		14.3	0.0	0.0	35.0	0.0	24.2	0.0
	46.12							
1600.00		26.7	0.0	0.0	99.3	0.0	0.0	0.0
	50.00							
1650.00		80.5	0.0	0.0	84.8	0.0	6.7	0.0
	39.16							
1689.16		36.4	0.0	0.0				
WINTERSBURGT COURT								
17		132.0	0.0	0.0	146.3	0.0	8.6	0.0
	33.00							
50		105.8	0.0	0.0				
A	14.20	49.6	0.0	0.0	26.5	0.0	0.0	0.0
B	14.20	51.1	0.0	0.0	27.9	0.0	0.0	0.0
C	14.20	55.0	0.0	0.0	30.0	0.0	0.0	0.0
D	14.20	58.9	0.0	0.0	32.7	0.0	0.0	0.0
E	14.20	65.5	0.0	0.0				
					1025.7	0.0	499.5	32.2

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D 5-28 A

FINAL PLAT OF
COTTONWOOD VILLAGE EIGHTH
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

N

Scale : 1" = 60'

R = 386.47'
Δ = 48°42'23"
L = 328.53'
Chd. = 318.72'
Brg. = N.64°43'01"E.

Easterly Corner Of
Cottonwood Village
6th. Addition

N.E. Cor. Lot 1, Blk. 1
Cottonwood Square Add.

NW Cor. Lot 2, Blk. 1
Cottonwood Square Add.

S.E. Cor. Lot 13, Block 2
Cottonwood Village 6th. Addition

S.W. Cor., S.E. 1/4, Sec. 31
T. 26 S., R. 2 E., 6th P.M.

S.W. Cor. Lot 11, Blk. 1
Cottonwood Square Add.

P.O.B.

WINTERBERRY

WINTERBERRY COURT

HEDGETREE

HEDGETREE COURT

LEEWOOD CIRCLE

LONGFELLOW

29TH. STREET NORTH

Section Line

Complete Access Control

Red Cor. F 949 & 1343

12/12

D 5-28 A

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