

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

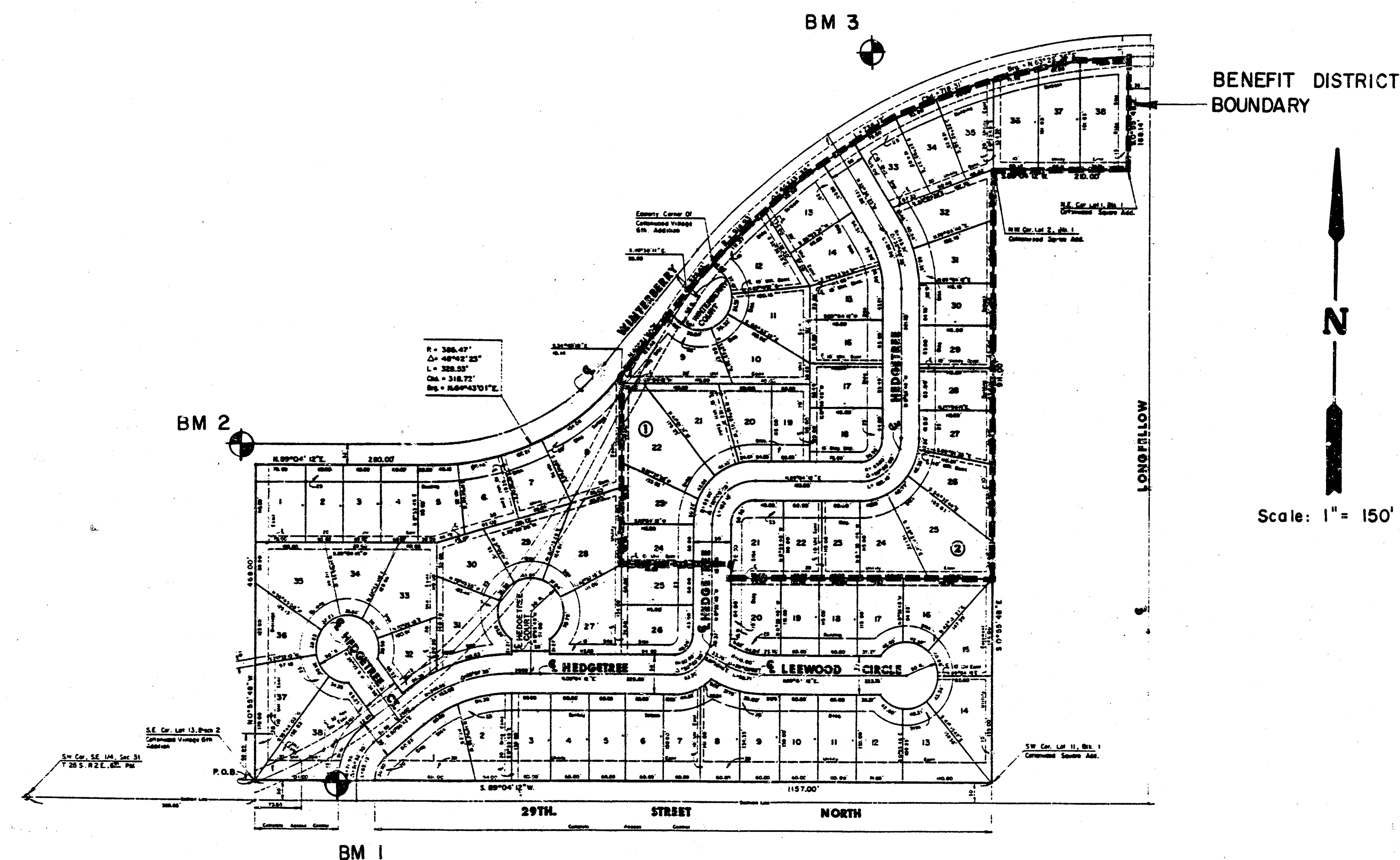
JANUARY, 1990
INDEX NO. 760397

GENERAL NOTES

- 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.
 - 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.
 - 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).
 - 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.
 - 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 | 269-4908 |
| CITY OF WICHITA SEWER MAINTENANCE | 268-4071 |
| ARKLA GAS COMPANY | 942-8350 OR 263-8161 |
- 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.
 - THIS PROJECT INCLUDES A CERTAIN AMOUNT OF ROLL TYPE CURB CONSTRUCTION. ROLL CURBS SHALL BE DEPRESSSED 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.
 - 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 ADJUTS 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.

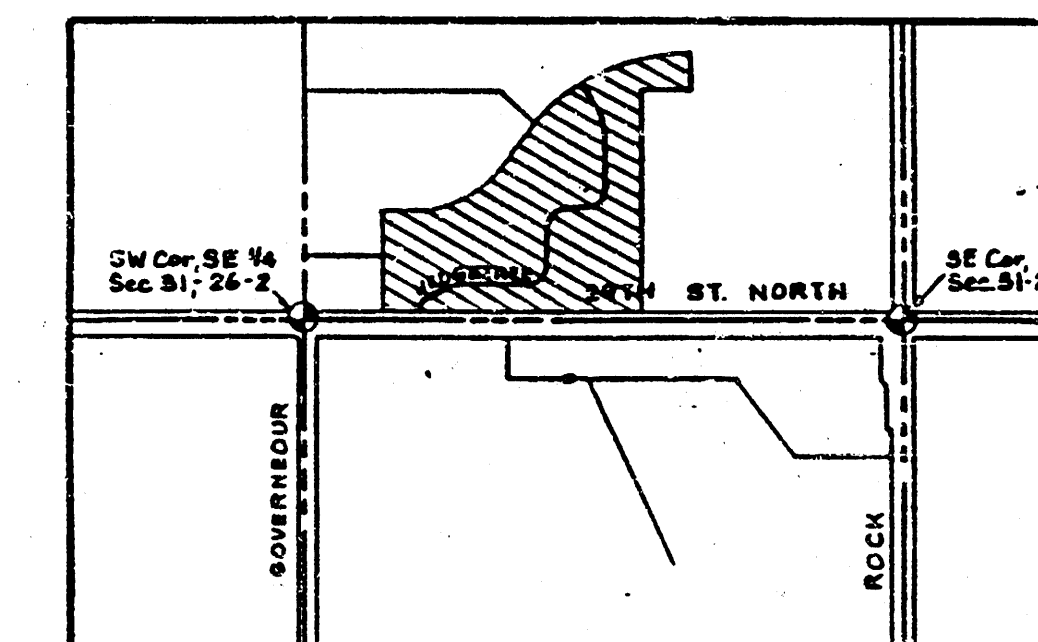
BENCH MARKS

- B.M. #1 "X" Cut on top of curb on North end of Northwest return at Hedgetree and 29th Street North. Elev.=189.43
- B.M. #2 "X" on top of curb and centerline of approach walk at 7500 Winterberry. Elev.=196.925
- B.M. #3 "X" Cut on Southeast corner of curb Inlet at Northwest corner of Cottonwood Village 8th Add. Elev.=188.85

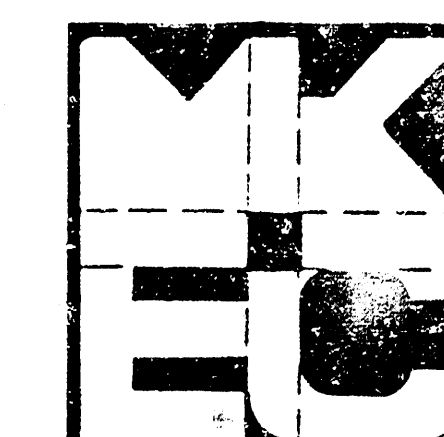
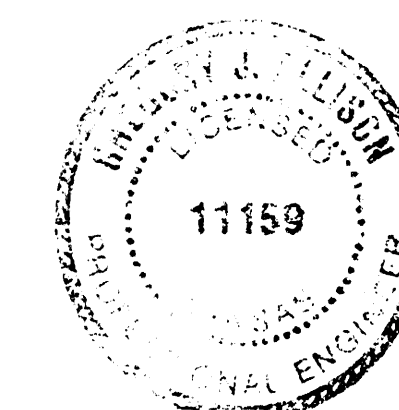


INDEX TO DRAWINGS

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)
PAVING PLANS**

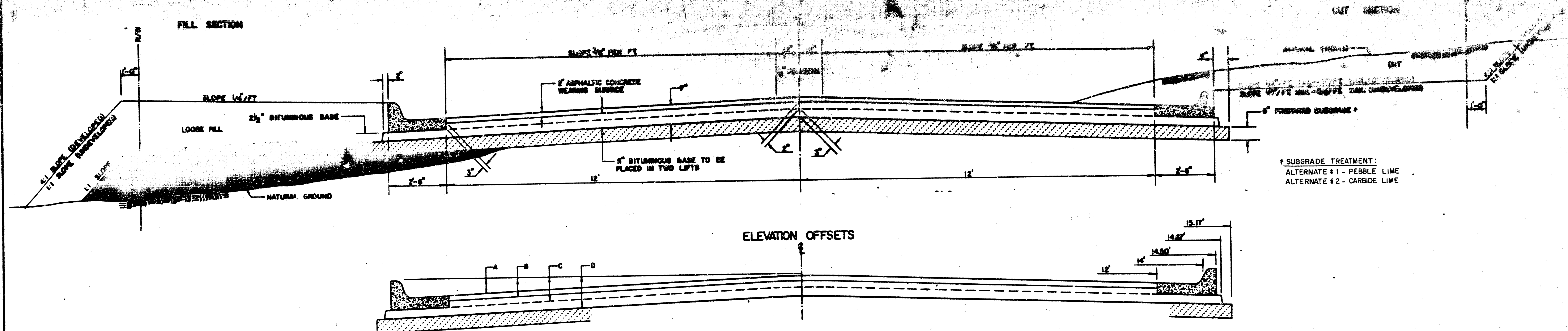
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

636-5566

Design
G.J.A.
Drawn by
D.L.M.
Checked by
D.S.
Date
January, 1990
Sheet
1
of
12

MKEC Proj. No. 88-05-113

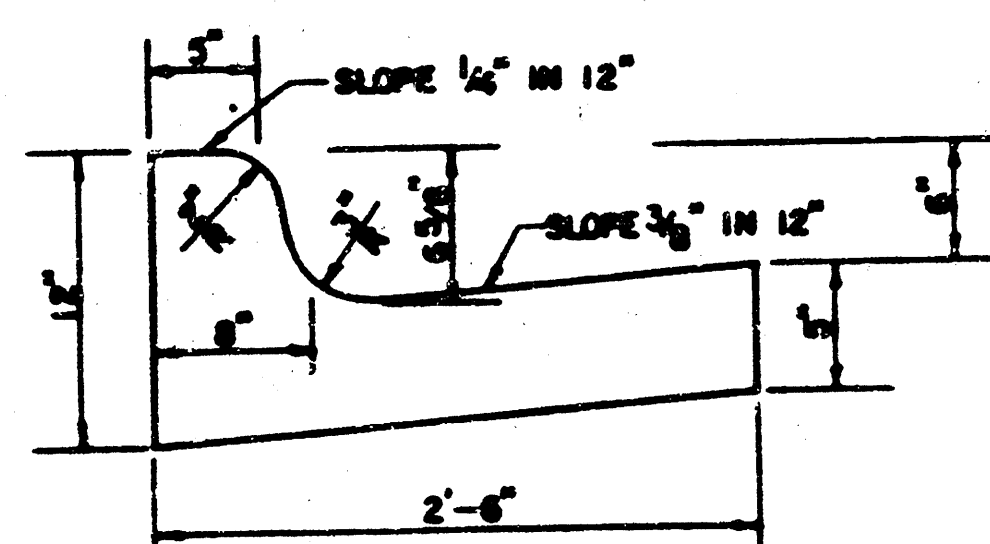
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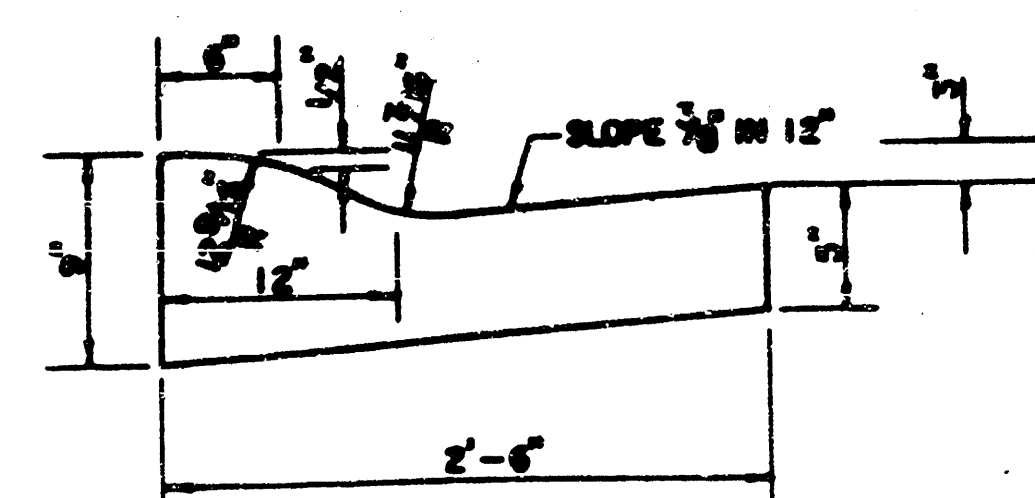
* SUBGRADE TREATMENT:
ALTERNATE #1 - PEBBLE LIME
ALTERNATE #2 - CARBIDE LIME

	DISTANCE FROM CENTERLINE (L & R)												
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.67'	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



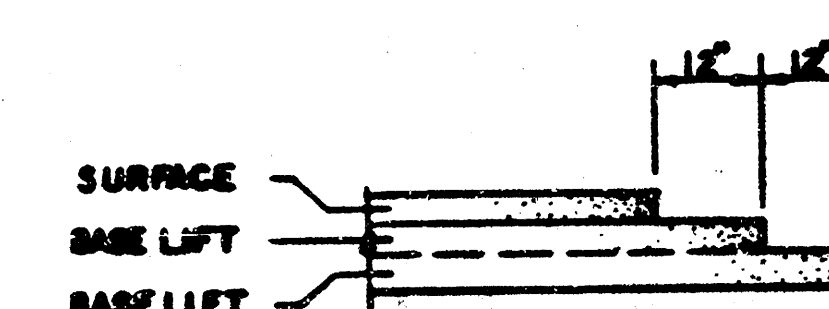
ROLL TYPE COMBINED CURB & GUTTER



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 (SC-1H OR CS-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

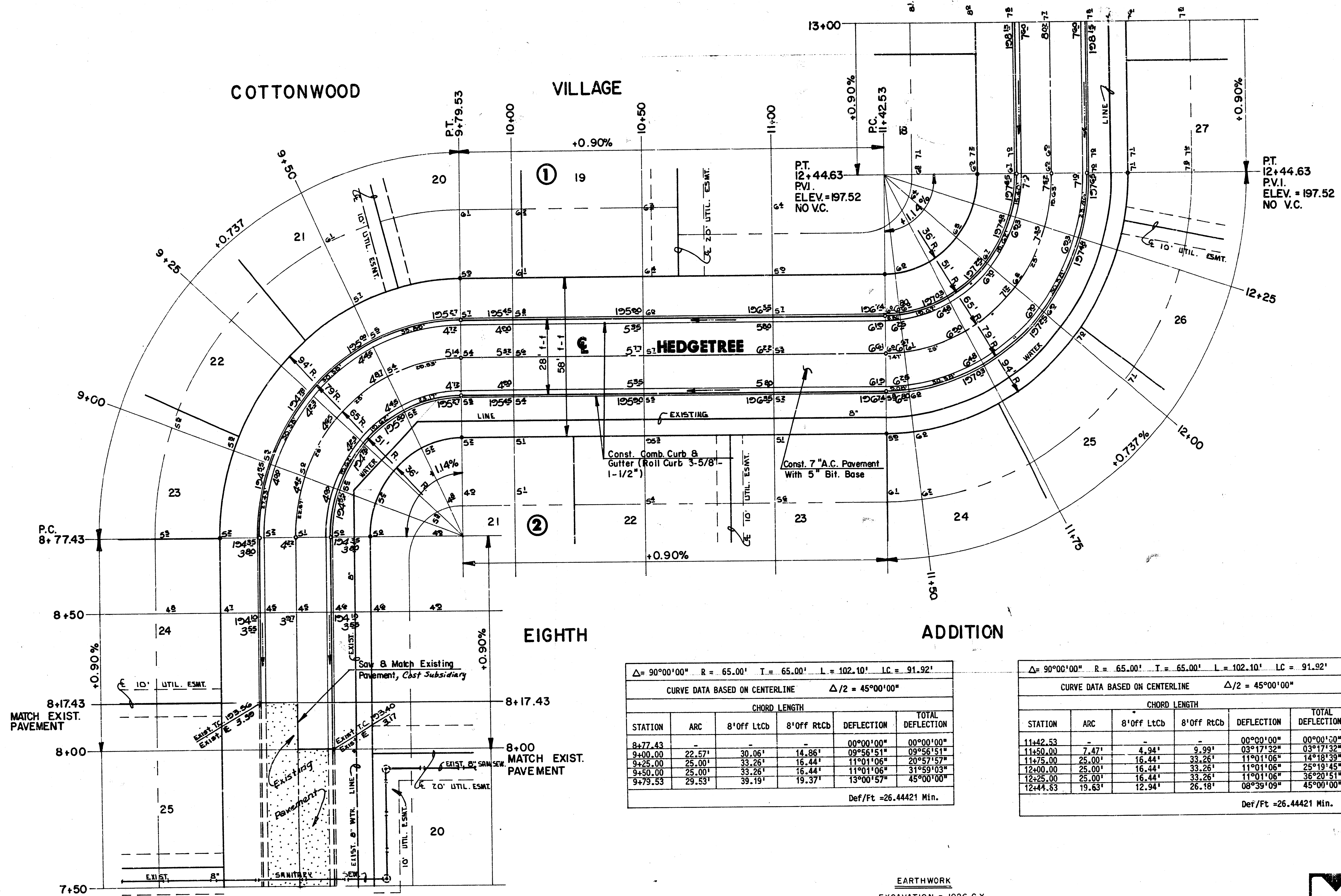


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAILS. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

**7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS**

MKEC, Proj. No. 88-05-113

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N

Scale: 1" = 20'

$\Delta = 90^{\circ}00'00''$ R = 65.00' T = 65.00' L = 102.10' LC = 91.92'

CURVE DATA BASED ON CENTERLINE $\Delta/2 = 45^{\circ}00'00''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off LtCb	8' Off RtCb		
8+77.43	-	-	-	00°00'00"	00°00'00"
9+00.00	22.57'	30.06'	14.86'	09°55'51"	09°55'51"
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.

$\Delta = 90^{\circ}00'00''$ R = 65.00' T = 65.00' L = 102.10' LC = 91.92'

CURVE DATA BASED ON CENTERLINE $\Delta/2 = 45^{\circ}00'00''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off LtCb	8' Off RtCb		
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°18'38"
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

HEDGE TREE

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

Design
GJA

Drawn by
DLN

Checked by
D.S.

Date
JAN., 1990

Job no.

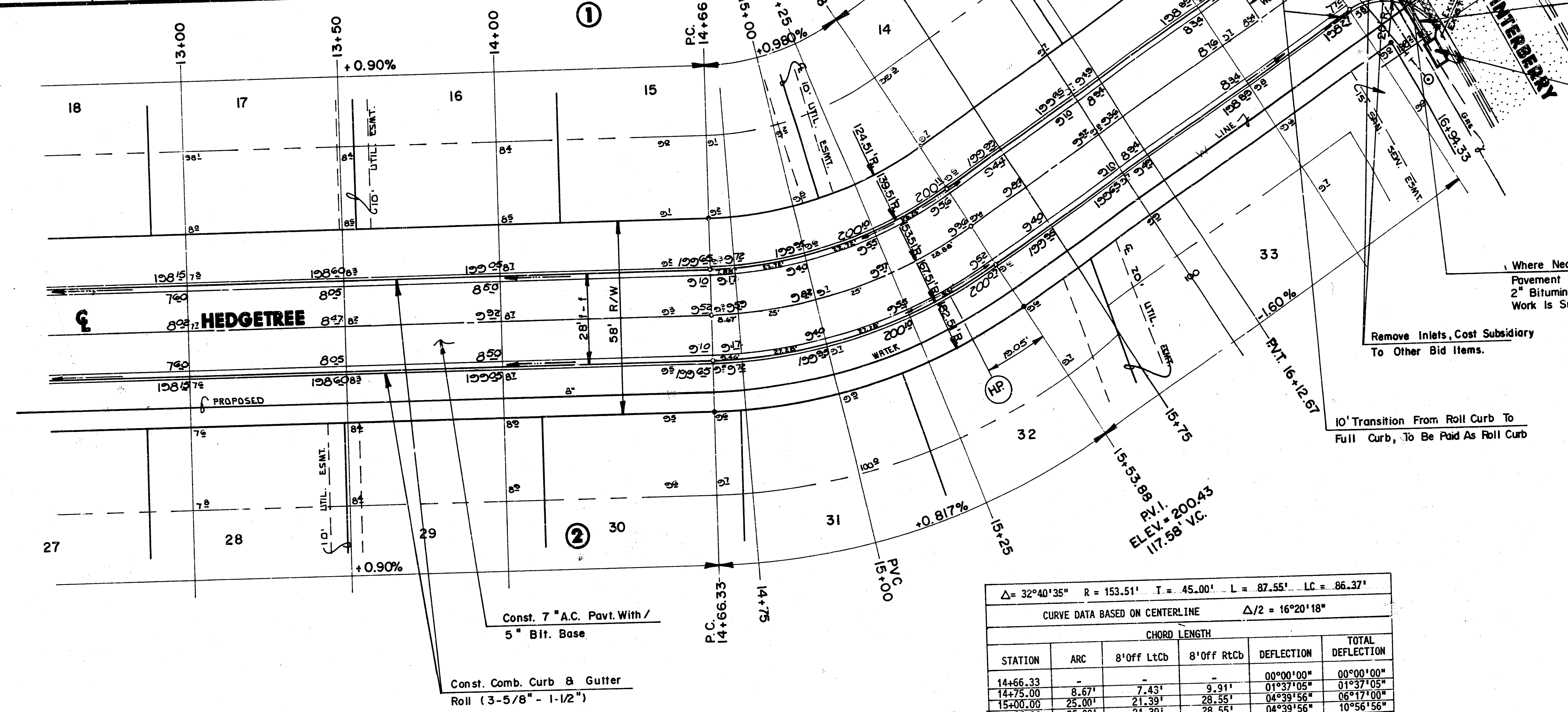
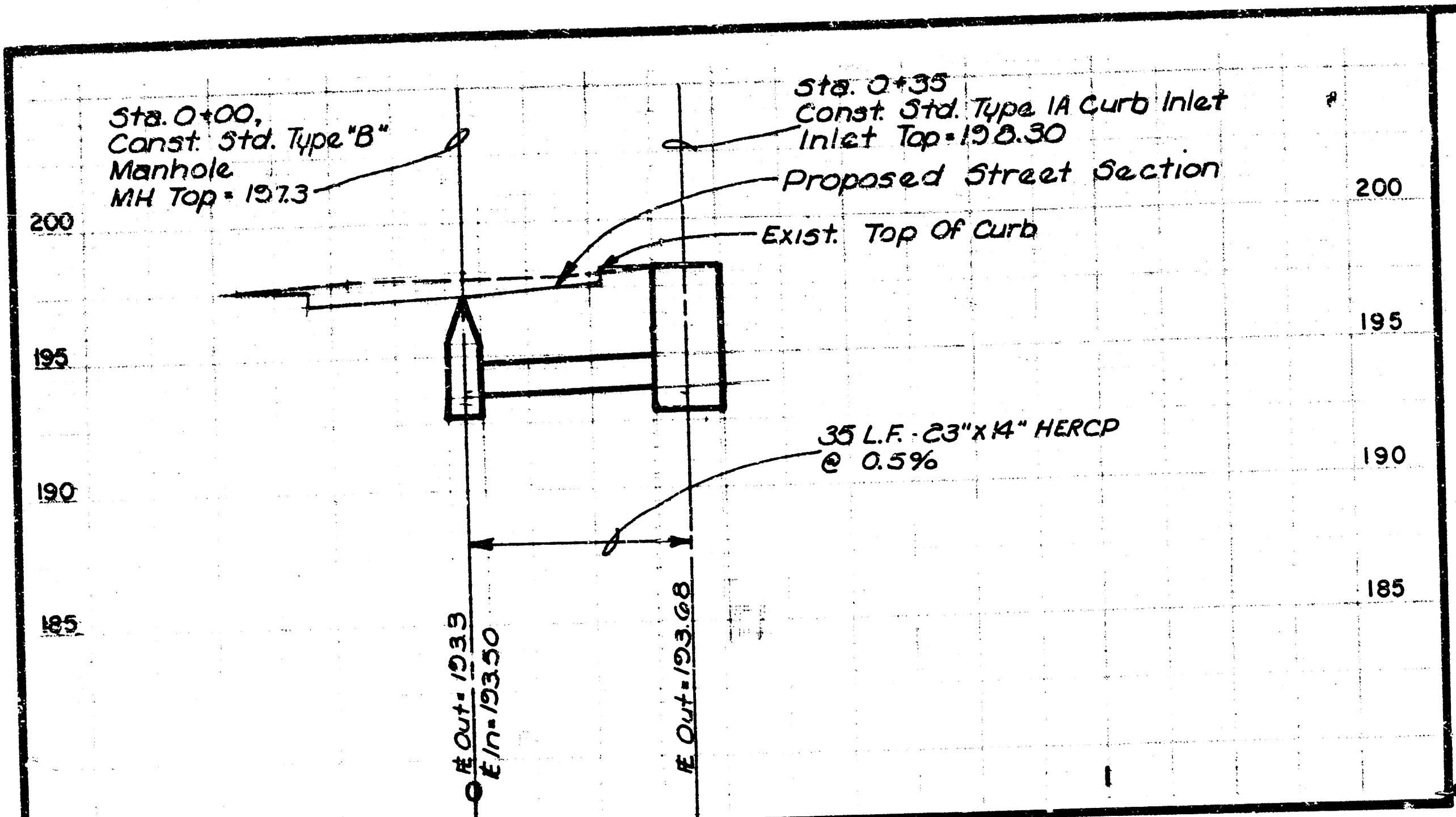
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

636-5366

MKEC Proj. No. 88-05-113

Sheet **3**
of **12**

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$\Delta = 32^\circ 40' 35''$ $R = 153.51'$ $T = 45.00'$ $L = 87.55'$ $LC = 86.37'$
 $\Delta/2 = 16^\circ 20' 18''$

CURVE DATA BASED ON CENTERLINE

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' Off Ltcd	8' Off Rtcd		
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

HEDGETREE

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

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

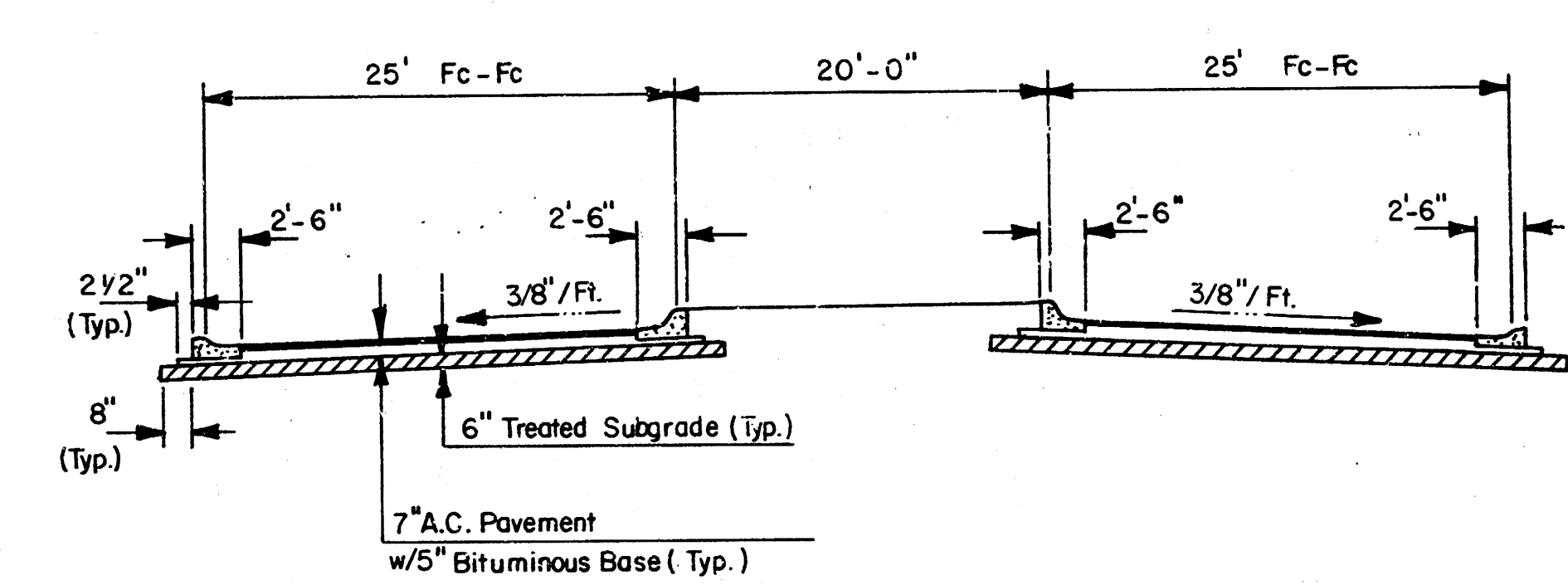
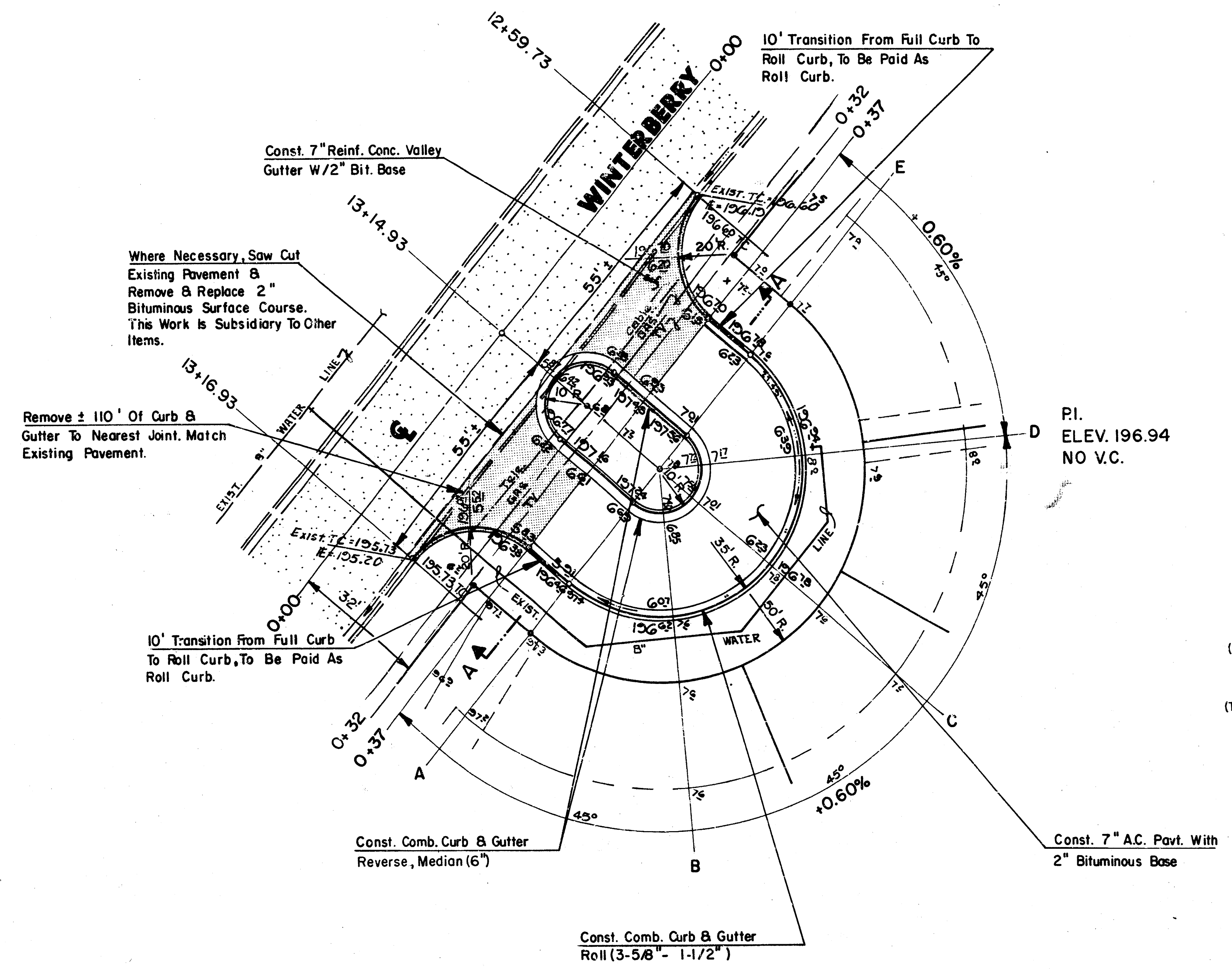
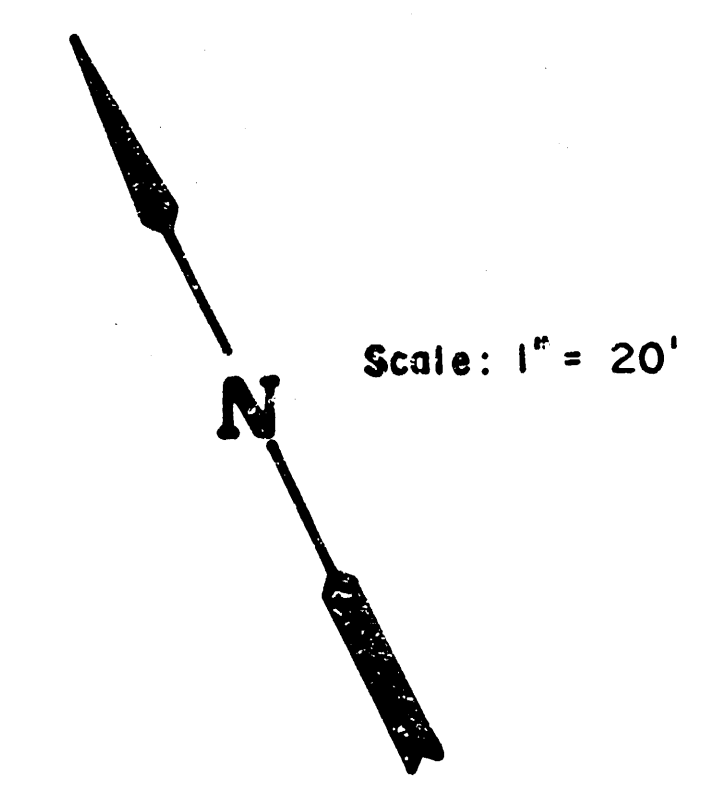
Design: GJA
Drawn by: DLM
Checked by: D.S.
Date: JAN., 1990
Job no:

Sheet **4**
of **12**

636-5566

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SECTION A-A

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

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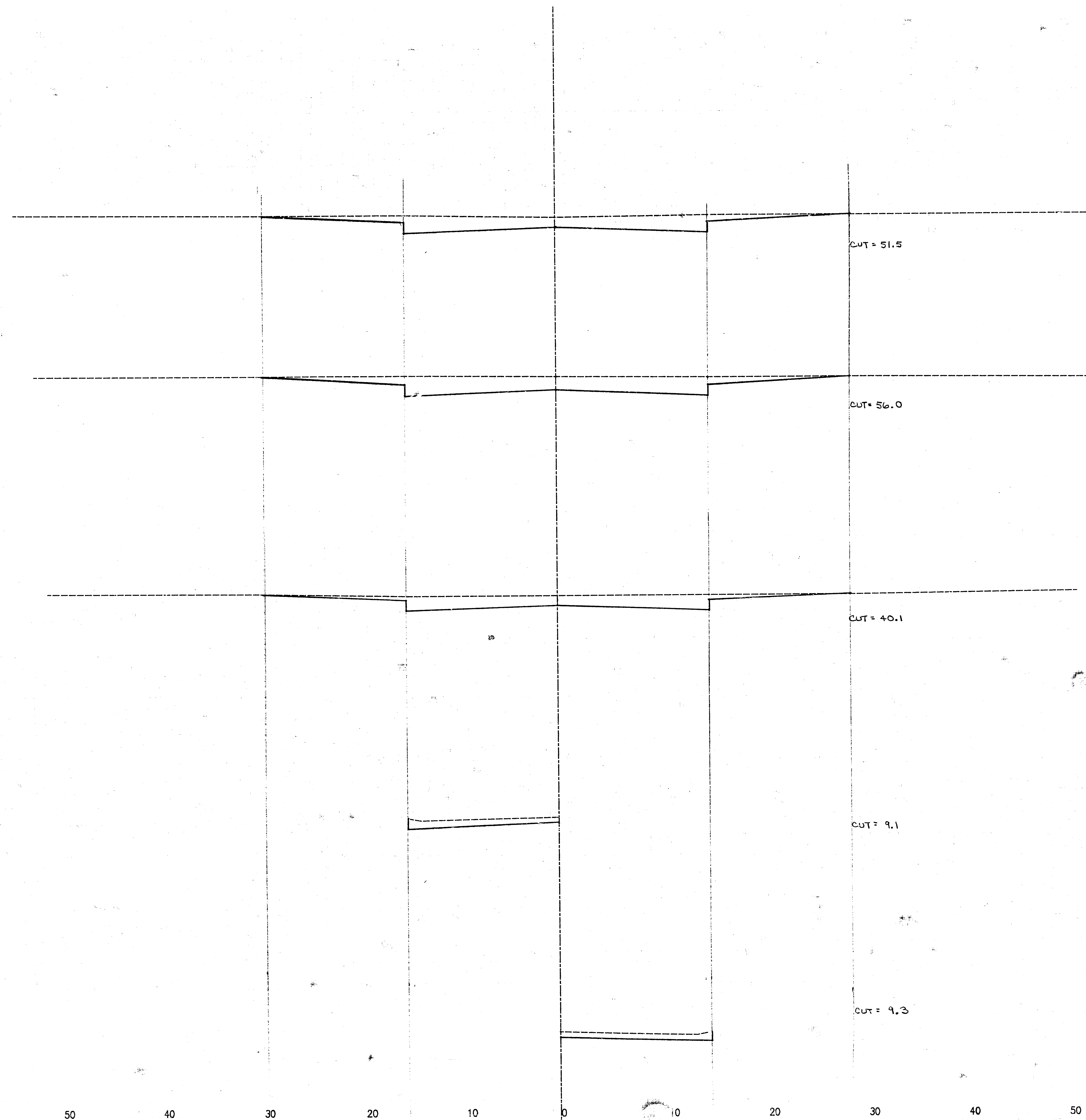
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50

Sta. 9+00.00

22.57

Sta. 8+77.43

21.43

Sta. 8+50.00

22.57

Sta. 8+17.43

17.43

Sta. 8+00.00

Sta. 8+00.00 to Sta. 9+00.00
M&EC Proj. No. 88-05-113



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Sta. 9+50.00 to Sta. 9+79.53
MKEC Proj. No. 88-05-113

Sta. 11+00.00

Sta. 10+50.00

Sta. 10+00.00

Sta. 9+79.53

Sta. 9+50.00

CUT = 2.1
MANIP = 1.0
L.F. = 47.5
C.F. = 0

CUT = 19.5
MANIP = 0
L.F. = 11.3
C.F. = 0

CUT = 31.5
MANIP = 0
L.F. = 4.5
C.F. = 0

CUT = 36.2

CUT = 47.1

205
42.53
200

205
50
200

205
50
200

200
20.47
195

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29.53
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12

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

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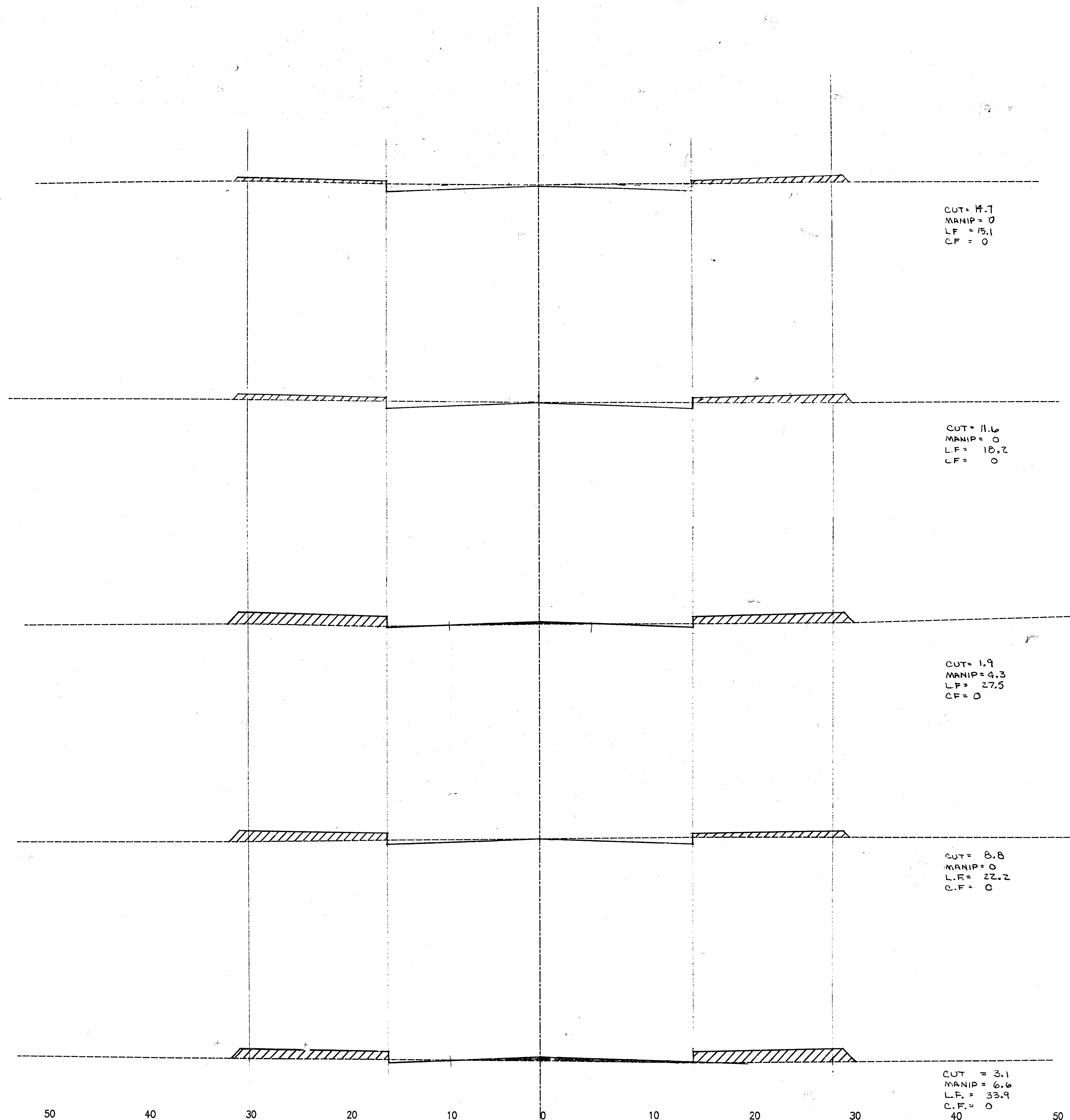
200

195

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50' 205
200

195
Sta. 13+50.00

50' 205
200

195
Sta. 13+00.00

55.37 205
200

195
Sta. 12+44.63

44.52 205
200

195
Sta. 12+00.00

57.47 205
200

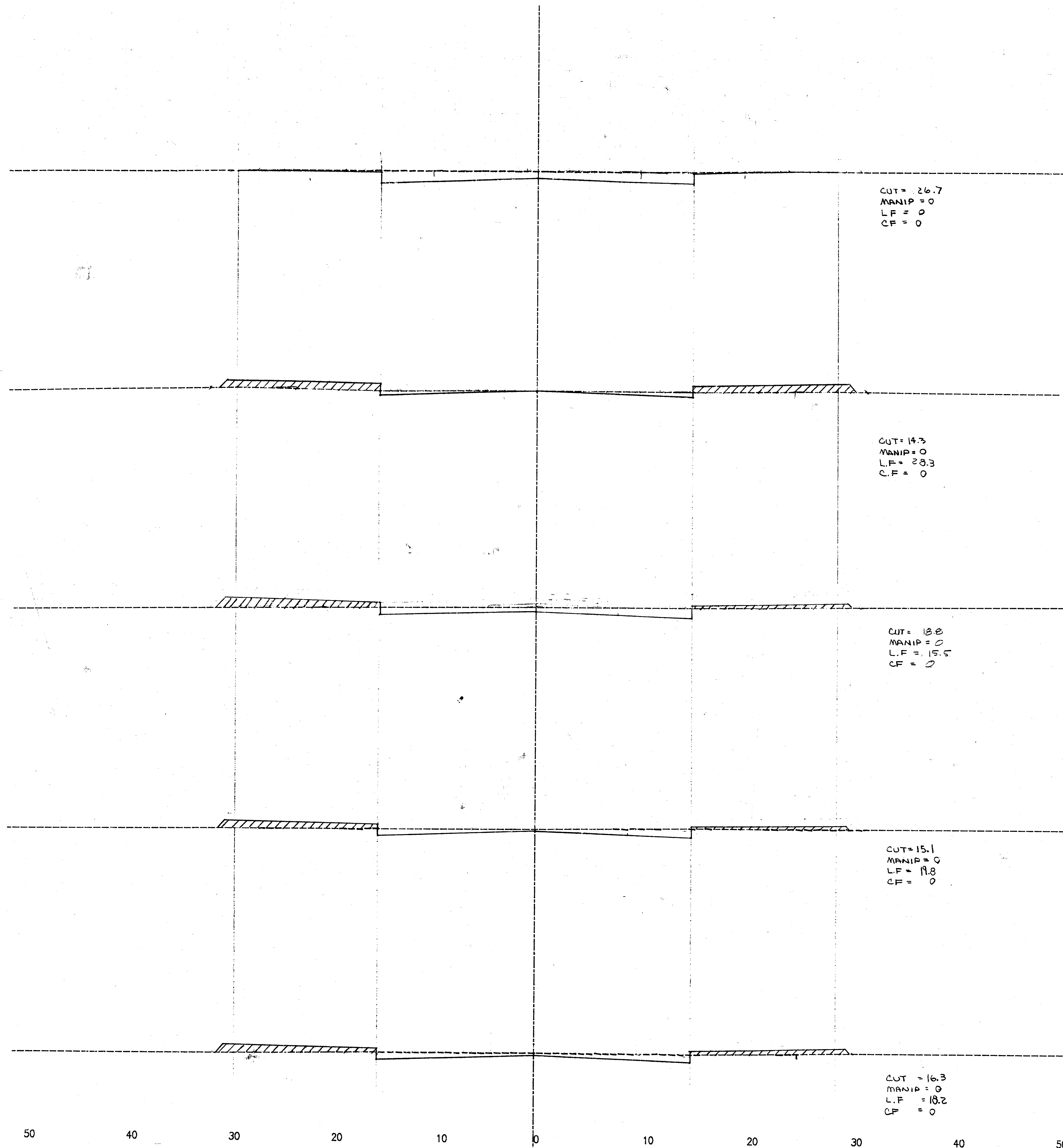
195
Sta. 11+42.53

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



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205
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195
Sta. 16+02.85
205
200
195
Sta. 15+53.88
205
200
195
Sta. 15+00.00
205
200
195
Sta. 14+66.33
205
200
195
Sta. 14+00.00

Sta. 14+00.00 to Sta. 16+00.00
MKEC Proj. No. 88-05-113

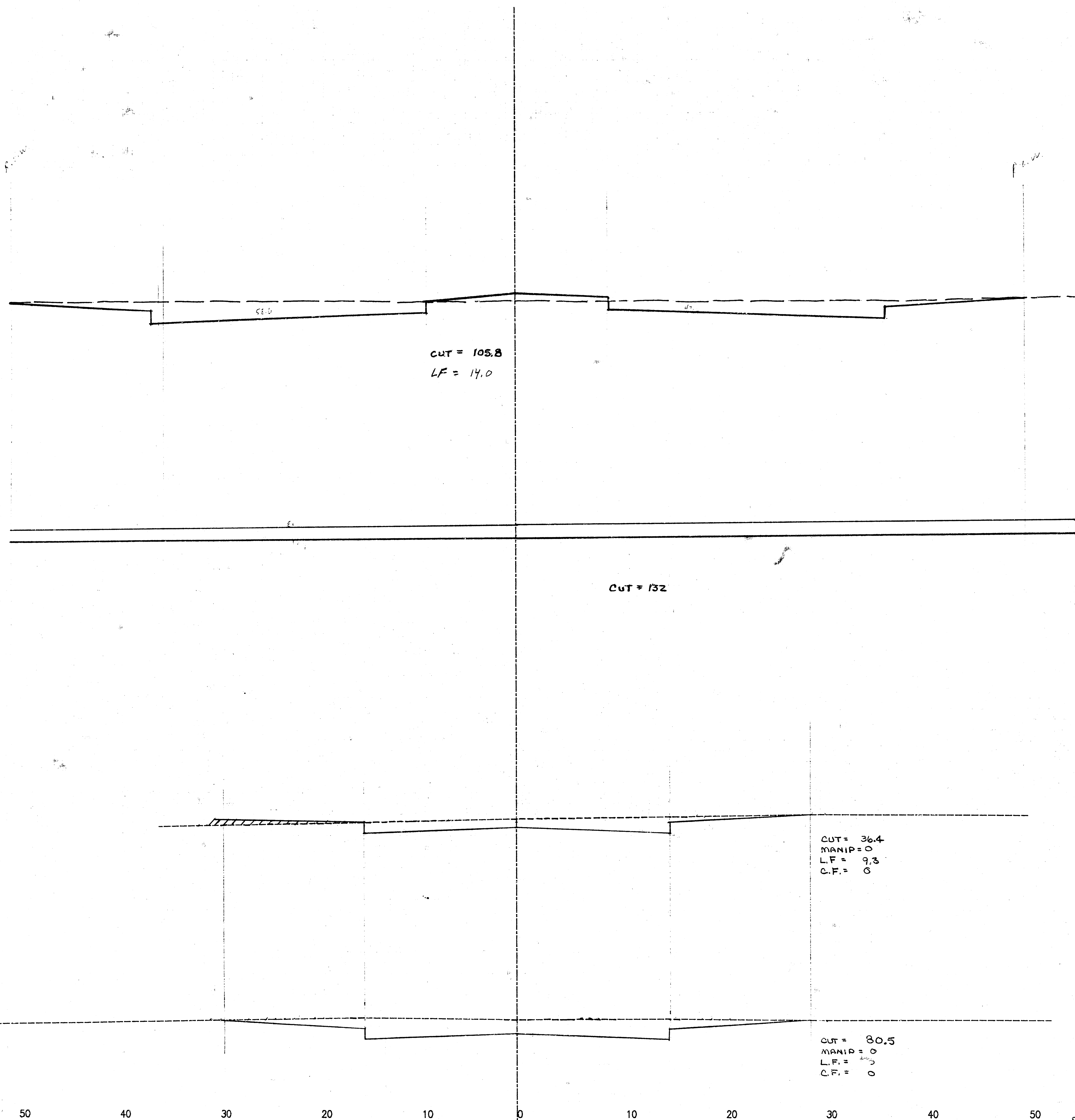
9
12

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COTTONWOOD VILLAGE EIGHTH
PAVING PLANS
PROJ. NO. 47276-245-81766-000-000-001

205
200
195

205
200
195



200
STA. 0+50
195

200
STA. 0+17
195

Sta. 16+89.16

39.16

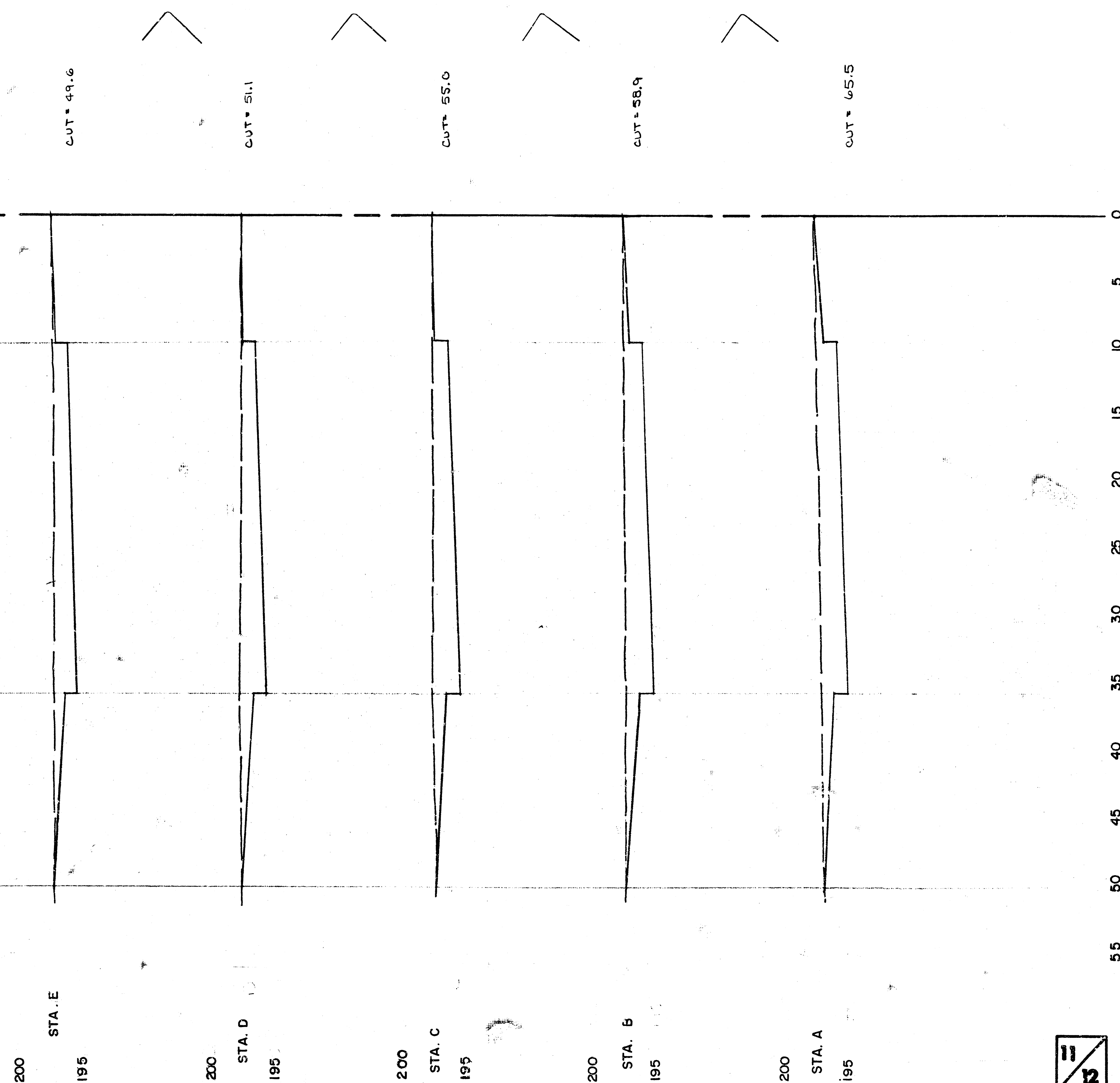
Sta. 16+50.00

Sta. 16+50.00 to Sta. 16+50.13
MKEC Proj. No. 88-05-113



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STATION	DIST	AVERAGE BED AREAS				VOLUME			
		CUT	C.P.	L.P.	MMIP	CUT	C.P.	L.P.	MMIP
800.00		9.3	0.0	0.0	0.0				
817.43	17.43	9.1	0.0	0.0	0.0	5.9	0.0	0.0	0.0
850.00	32.57	40.1	0.0	0.0	0.0	29.7	0.0	0.0	0.0
877.43	27.43	56.0	0.0	0.0	0.0	48.8	0.0	0.0	0.0
900.00	22.57	51.5	0.0	0.0	0.0	44.9	0.0	0.0	0.0
950.00	50.00	47.1	0.0	0.0	0.0	91.3	0.0	0.0	0.0
979.53	29.53	36.2	0.0	0.0	0.0	45.6	0.0	0.0	0.0
1000.00	20.47	31.5	0.0	4.5	0.0	25.7	0.0	1.7	0.0
1050.00	50.00	19.5	0.0	11.3	0.0	47.2	0.0	14.6	0.0
1100.00	50.00	2.1	0.0	49.5	7.0	20.0	0.0	56.3	6.5
1142.53	42.53	3.1	0.0	33.9	6.6	4.1	0.0	65.7	10.7
1200.00	57.47	8.8	0.0	22.2	0.0	12.7	0.0	59.7	7.0
1244.63	44.63	1.9	0.0	27.5	4.3	8.8	0.0	41.1	3.6
1300.00	55.37	11.6	0.0	18.2	0.0	13.8	0.0	46.9	4.4
1350.00	50.00	14.7	0.0	15.1	0.0	24.4	0.0	30.8	0.0
1400.00	50.00	16.3	0.0	18.2	0.0	28.7	0.0	30.8	0.0
1446.33	46.33	15.1	0.0	19.8	0.0	38.6	0.0	46.7	0.0
1500.00	53.67	18.8	0.0	15.5	0.0	21.1	0.0	22.0	0.0
1553.88	53.88	14.3	0.0	28.3	0.0	33.0	0.0	43.7	0.0
1600.00	46.12	26.7	0.0	0.0	0.0	35.0	0.0	24.2	0.0
1650.00	50.00	80.5	0.0	0.0	0.0	99.3	0.0	0.0	0.0
1689.16	39.16	36.4	0.0	9.3	0.0	84.8	0.0	6.7	0.0
WINTERBERRY COUNTE									
17		132.0	0.0	0.0	0.0				
50	33.00	105.8	0.0	14.0	0.0	145.3	0.0	8.6	0.0
A	14.20	49.6	0.0	0.0	0.0	26.5	0.0	0.0	0.0
B	14.20	51.1	0.0	0.0	0.0	27.9	0.0	0.0	0.0
C	14.20	55.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
D	14.20	58.9	0.0	0.0	0.0	32.7	0.0	0.0	0.0
E	14.20	65.5	0.0	0.0	0.0				
		1025.7	0.0	499.5	32.2				



MIKEC Proj. No. 88-05-113

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FINAL PLAT OF COTTONWOOD VILLAGE EIGHTH

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



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.

N.W. 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 PM.

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

P.O.B.

29TH. STREET NORTH

NORTH

LONGFELLOW

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