STREETS IN BENT TREE

BENT TREE CIRCLE: FROM THE EAST LINE OF GREENLEAF,
TO AND INCLUDING CUL-DE-SAC

PROJECT NO.
472-76-245-81317-000-000-001

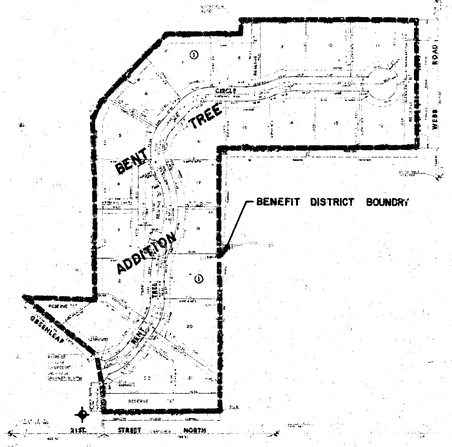
CITY OF WICHITA, KANSAS
MIKE LINDEBAK, CITY ENGINEER
NOVEMBER, 1983

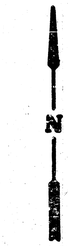
GENERAL NOTES

1. Curb and gutter with widened gutter to be paid as combined curb and gutter.
2. Transition of full curb to roll curb to be paid as L.F. roll curb.
3. No driveways are to be constructed as a part of this contract without authorization from Construction Engineer, Wichita, Kansas.
4. All drainage structures "by others".
5. 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 this construction operation. Such irons shall be re-established by a licensed Land Surveyer or a licensed Professional Engineer in accordance with state laws.
6. Paving contractor to coordinate work with storm sewer contractor and to contact utility companies for location of any underground lines.

BENCH MARK

"□" Cut End Curb N.E.Cor. 21St.& Greenleaf
ELEV. = 206.43





SCALE: 1" = 150'

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SHEET NO.	DESCRIPTION
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2	PAVING DETAILS
3-5	BENT TREE CIRCLE FROM THE EAST LINE OF GREENLEAF TO AND INCLUDING CUL-DE-SAC
6-10 A	CROSS-SECTIONS
11	FINAL PLAT

MICHAEL D. HARDING LICENSED 9399 KANSAS PROFESSIONAL ENGINEER

BENT TREE STREET IMPROVEMENTS

Design: AMS
Drawn by: DLM
Checked by: KHB
Date: NOVEMBER, 1983
Job no.

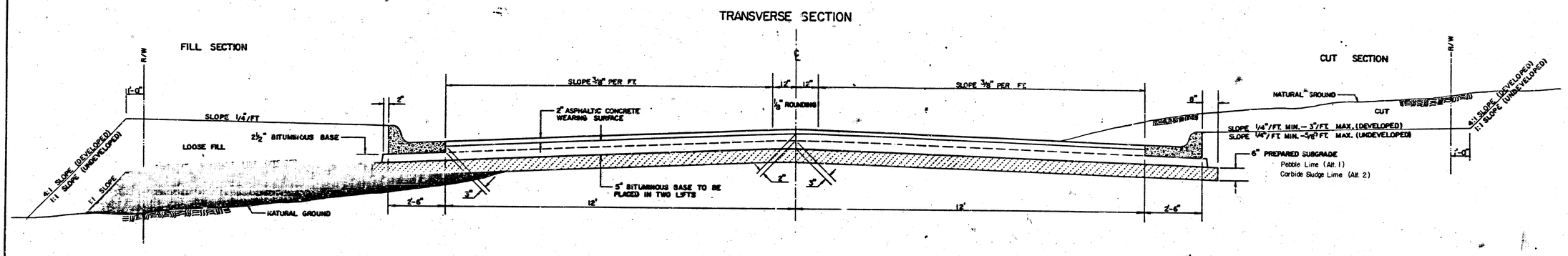
MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561

Sheet 1 of 11

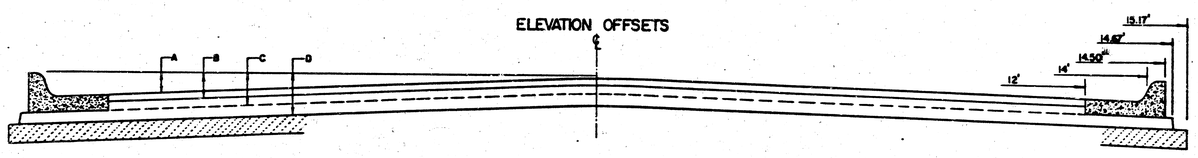
12 Pages

TYPICAL 29' PAVEMENT DETAILS

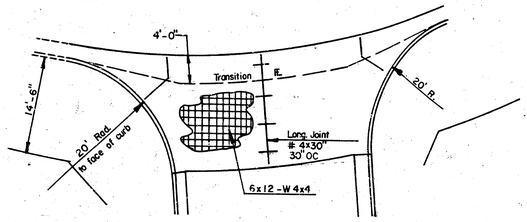
TRANSVERSE SECTION



ELEVATION OFFSETS

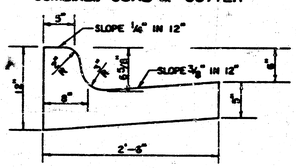


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF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

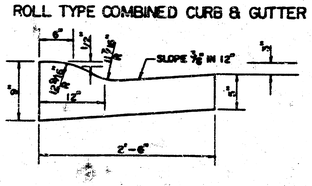


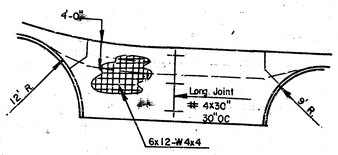
VALLEY GUTTER DETAIL

COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER





VALLEY GUTTER DETAIL

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).

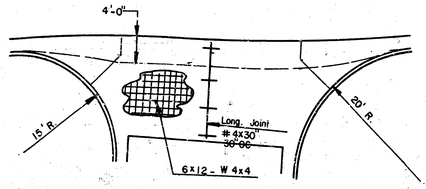
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.

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.

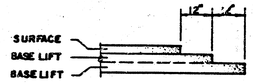
5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

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.



VALLEY GUTTER DETAIL

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENTS 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

472-76-245-81317-000-000-001

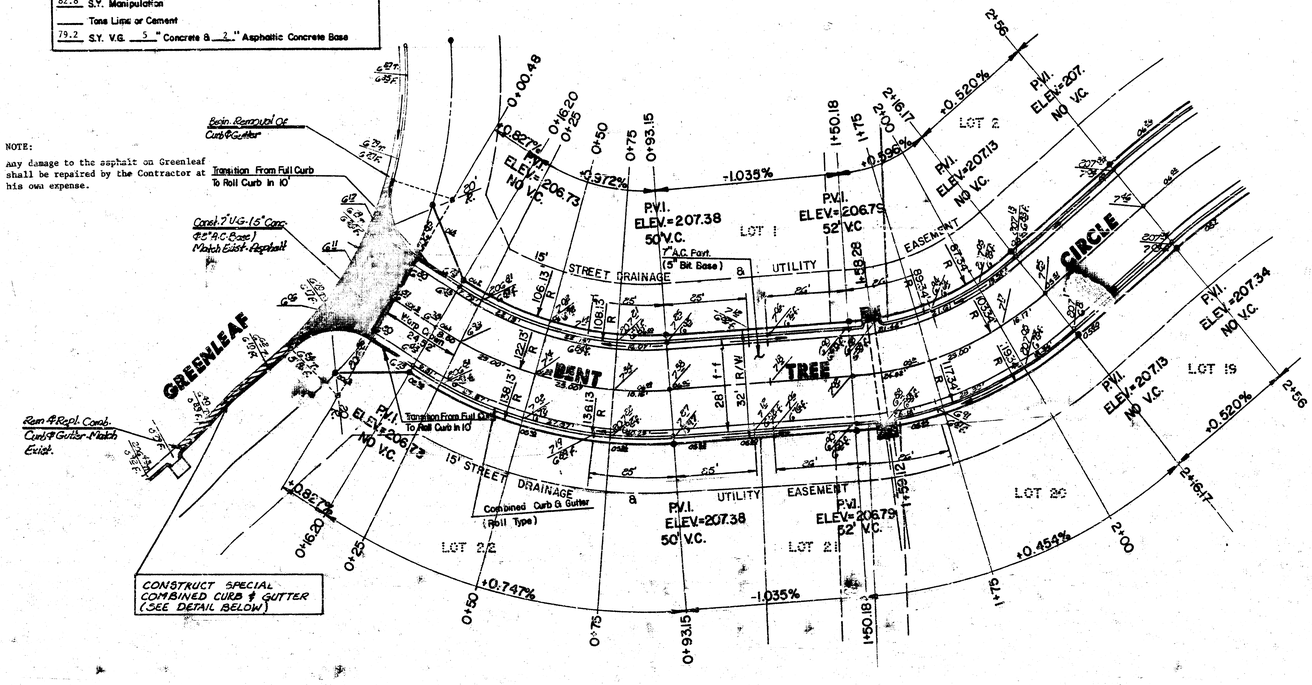
2/11

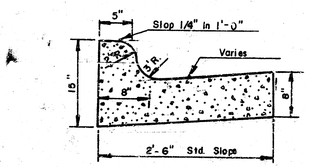
INTERSECTION QUANTITIES

____	S.Y. ____" Concrete Pavement
____	S.Y. ____" Asphaltic Conc. Pavement (____" Bituminous Base)
____	S.Y. ____" Bituminous Base
____	L.F. Combined Curb & Gutter
52.2	L.F. Integral Curb
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
82.8	S.Y. Manipulation
____	Tons Lime or Cement
79.2	S.Y. V.G. 5 "Concrete & 2 "Asphaltic Concrete Base

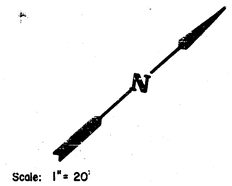
NOTE:

Any damage to the asphalt on Greenleaf shall be repaired by the Contractor at his own expense.





SPECIAL COMBINED CURB & GUTTER



Scale: 1" = 20'

	Excavation	Compacted Fill	Borrow Materials
	151.90 C.Y.	244.30 C.Y.	908.02 C.Y.
+ 10%	15.19	24.43	90.80
Total	167.09 C.Y.	268.73 C.Y.	998.82 C.Y.

Manipulation 5031.99 S.Y.

$\Delta = 36° 06' 04"$ R= 122.33' T= 39.80' L=76.95' LC=75.69'

CURVE DATA BASED ON C.L. RAD, $\Delta/2 = 18° 03' 02"$

STATION	ARC	CHORD 8' Off L.Crv.	LENGTH 8' Off R.Crv.	DEFLECTION	TOTAL DEFLECTION
0 + 15.20					0° 00' 00"
0 + 25.00	8.80	7.21	10.38	2° 03' 51"	2° 03' 51"
0 + 50.00	25.00	20.46	29.45	5° 51' 52"	7° 55' 43"
0 + 75.00	25.00	20.46	29.45	5° 51' 52"	13° 47' 35"
0 + 93.15	18.15	14.87	21.40	4° 15' 27"	18° 03' 02"

Defl./ft. = 14.074129 Min.

$\Delta = 36° 35' 22"$ R= 103.34' T= 34.17' L= 65.99' LC= 64.88'

CURVE DATA BASED ON C.L. RAD, $\Delta/2 = 18° 17' 41"$

STATION	ARC	CHORD 8' Off L.Crv.	LENGTH 8' Off R.Crv.	DEFLECTION	TOTAL DEFLECTION
1 + 50.18					0° 00' 00"
1 + 75.00	24.82	19.49	30.03	6° 52' 51"	6° 52' 51"
2 + 00.00	25.00	19.63	30.25	6° 55' 51"	13° 48' 42"
2 + 16.17	16.17	12.72	19.59	4° 28' 59"	18° 17' 41"

Defl./ft. = 16.633186 Min.

CITY OF WICHITA

BENT TREE CIRCLE

PROJECT NO: 472-76-245-81317-000-000-001

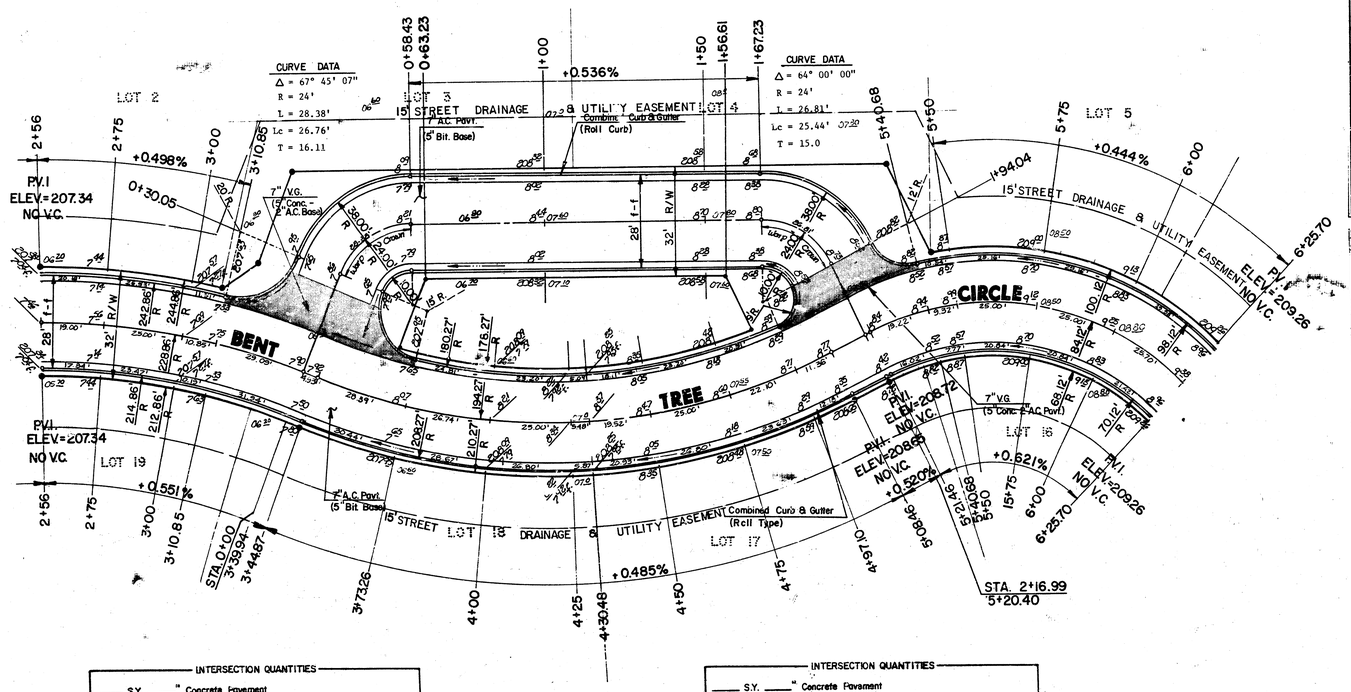
Design	AMS
Drawn by	DLM
Checked by	KHB
Date	Oct. 1983
Job no.	

MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561

Sheet 3 of 11

N

Scale: 1"= 20'



CURVE DATA BASED ON C.L. RAD., $\Delta/2$ = 11° 07' 27"					
Δ = 22° 14' 53" R = 226.86' T = 45.00' L = 88.87' LC = 88.31'					
STATION	ARC	CHORD 8' Off Lt Cv	LENGTH 8' Off Rt Cv	DEFLECTION	TOTAL DEFLECTION
2 + 56.00					0° 00' 00"
2 + 75.00	19.00	20.82	17.17	2° 22' 42"	2° 22' 42"
3 + 00.00	25.00	27.39	22.59	3° 07' 46"	5° 30' 28"
3 + 10.85	10.85	11.89	9.81	1° 21' 29"	6° 51' 57"
3 + 25.00	14.15	15.51	12.79	1° 46' 16"	8° 38' 13"
3 + 44.87	19.87	21.77	17.95	2° 29' 14"	11° 07' 27"

Defl./ft. = 7.510589 Min

CURVE DATA BASED ON C.L. RAD., $\Delta/2$ = 24° 07' 27"					
Δ = 48° 14' 53" R = 194.27' T = 87.00' L = 163.59' LC = 158.80'					
STATION	ARC	CHORD 8' Off Lt Cv	LENGTH 8' Off Rt Cv	DEFLECTION	TOTAL DEFLECTION
3 + 44.87					0° 00' 00"
3 + 50.00	5.13	4.55	5.71	0° 45' 23"	0° 45' 23"
3 + 73.26	23.26	20.61	25.88	3° 25' 48"	4° 11' 11"
4 + 00.00	26.74	23.69	29.75	3° 56' 36"	8° 07' 47"
4 + 25.00	25.00	22.15	27.81	3° 41' 12"	11° 48' 59"
4 + 30.48	5.48	4.86	6.10	0° 48' 29"	12° 37' 28"
4 + 50.00	19.52	17.30	21.72	2° 52' 43"	15° 30' 11"
4 + 75.00	25.00	22.15	27.81	3° 41' 12"	19° 11' 23"
4 + 97.10	22.10	19.59	24.59	3° 15' 33"	22° 26' 56"
5 + 08.46	11.36	10.07	12.65	1° 40' 31"	24° 07' 27"

Defl./ft. = 8.8478581

CURVE DATA BASED ON C.L. RAD., $\Delta/2$ = 35° 30' 00"					
Δ = 71° 00' 00" R = 84.12' T = 60.00' L = 104.24' LC = 97.70'					
STATION	ARC	CHORD 8' Off Lt Cv	LENGTH 8' Off Rt Cv	DEFLECTION	TOTAL DEFLECTION
5 + 21.46					0° 00' 00"
5 + 40.68	19.22	24.19	14.16	6° 32' 44"	6° 32' 44"
5 + 50.00	9.32	11.75	6.88	3° 10' 26"	9° 43' 10"
5 + 75.00	25.00	31.42	18.39	8° 30' 50"	18° 14' 00"
6 + 00.00	25.00	31.42	18.39	8° 30' 50"	26° 44' 50"
6 + 25.70	25.70	32.30	18.91	8° 45' 10"	35° 30' 00"

Defl./ft. = 20.473588 Min.

INTERSECTION QUANTITIES

- ____ S.Y. ____" Concrete Pavement
- ____ S.Y. ____" Asphaltic Conc. Pavement (____" Bituminous Base)
- ____ S.Y. ____" Bituminous Base
- ____ L.F. Combined Curb & Gutter
- 46.7 L.F. Roll Curb
- ____ S.F. 4" Wheelchair Ramp
- ____ S.F. 4" Walk
- ____ C.Y. Excavation
- ____ C.Y. Compacted Fill
- ____ Lbs. Reinforcing Steel
- 72.9 S.Y. Manipulation
- ____ Tons Lime or Cement
- 69.4 S.Y. V.G. ___5___" Concrete & ___2___" Asphaltic Concrete Base

INTERSECTION QUANTITIES

- ____ S.Y. ____" Concrete Pavement
- ____ S.Y. ____" Asphaltic Conc. Pavement (____" Bituminous Base)
- ____ S.Y. ____" Bituminous Base
- ____ L.F. Combined Curb & Gutter
- 30.3 L.F. Roll Curb
- ____ S.F. 4" Wheelchair Ramp
- ____ S.F. 4" Walk
- ____ C.Y. Excavation
- ____ C.Y. Compacted Fill
- ____ Lbs. Reinforcing Steel
- 50.6 S.Y. Manipulation
- ____ Tons Lime or Cement
- 48.3 S.Y. V.G. ___5___" Concrete & ___2___" Asphaltic Concrete Base

MKEC

CITY OF WICHITA

BENT TREE CIRCLE

PROJECT NO: 472-76-245-81317-000-000-001

Design: AMS
Drawn by: DLM
Checked by: KHB
Date: 1983
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
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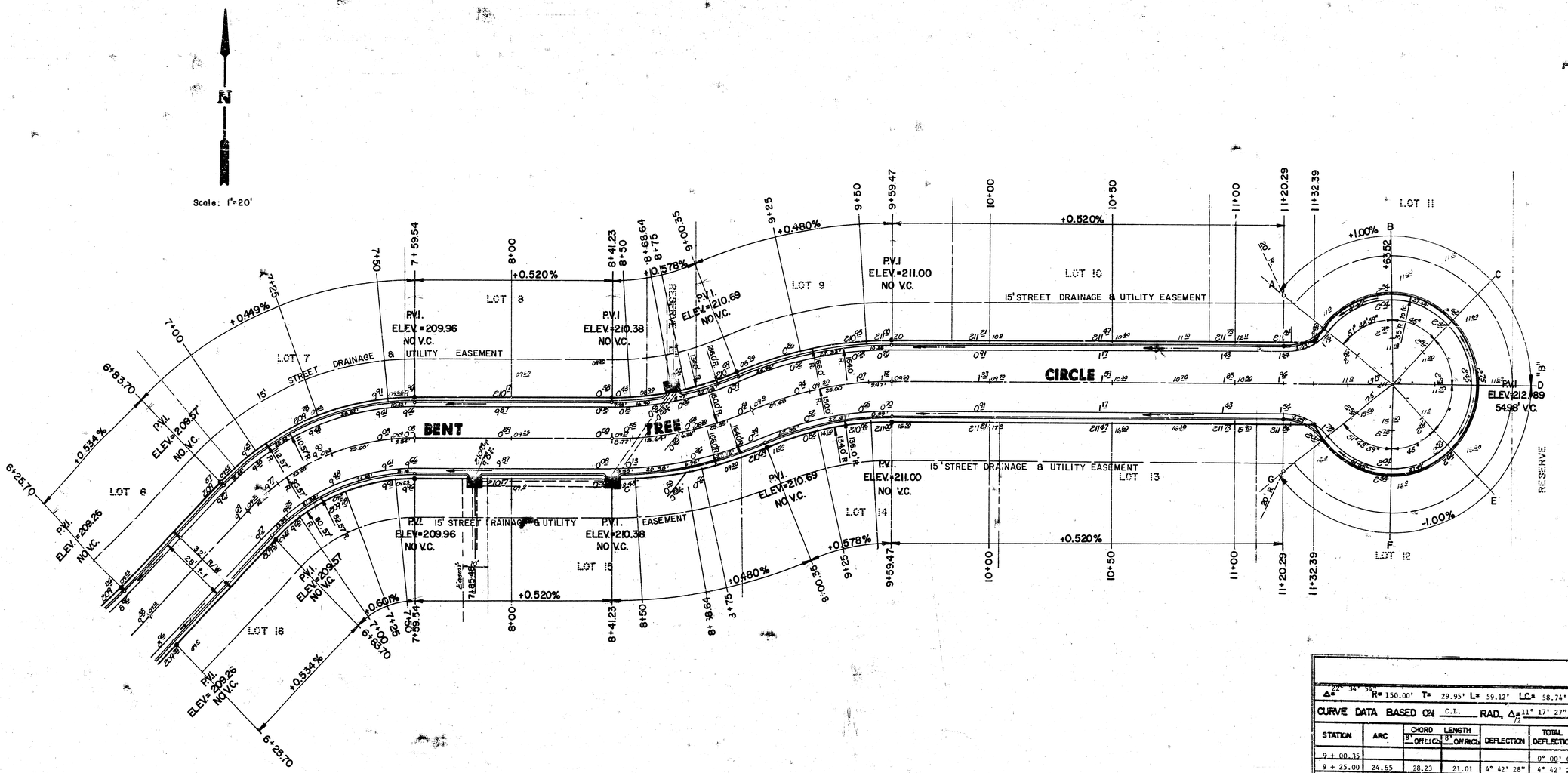
Sheet 4 of 11



Δ= 45° R= 96.57 T= 40.9 L= 75.84' LC= 73.91'						
CURVE DATA BASED ON C.L. RAD., Δ/2 = 22° 30"						
STATION	ARC	CHORD 8' OFF LCs	LENGTH 8' OFF RCs		DEFLECTION	TOTAL DEFLECTION
6 + 83.70						0° 00' 00"
7 + 00	16.30	19.99	12.57		4° 50' 09"	4° 50' 09"
7 + 25	25.00	30.61	19.25		7° 25' 01"	12° 15' 10"
7 + 50	25.00	30.61	19.25		7° 25' 01"	19° 40' 11"
7 + 59.54	9.54	11.71	7.36		2° 49' 09"	22° 30' 00"

Defl./ft. = 17.799268 Min.

Δ= 22° 34' 54" R= 150 T= 29.95 L= 59.12' LC= 58.74'						
CURVE DATA BASED ON C.L. RAD., Δ/2 = 11° 17' 27"						
STATION	ARC	CHORD 8' OFF LCs	LENGTH 8' OFF RCs		DEFLECTION	TOTAL DEFLECTION
8 + 41.23						0° 00' 00"
8 + 50	8.77	7.48	10.05		1° 40' 29"	1° 40' 29"
8 + 75	25.00	21.31	28.63		4° 46' 29"	6° 26' 58"
9 + 00.35	25.35	21.61	29.03		4° 50' 29"	11° 17' 27"

Defl./ft. = 11.459056 Min.

Δ= 22° 34' 54" R= 150.00' T= 29.95' L= 59.12' LC= 58.74'						
CURVE DATA BASED ON C.L. RAD., Δ/2 = 11° 17' 27"						
STATION	ARC	CHORD 8' OFF LCs	LENGTH 8' OFF RCs		DEFLECTION	TOTAL DEFLECTION
9 + 00.35						0° 00' 00"
9 + 25.00	24.65	28.23	21.01		4° 42' 28"	4° 42' 28"
9 + 50.00	25.00	28.63	21.31		4° 46' 29"	9° 28' 57"
9 + 59.47	9.47	10.86	8.08		1° 48' 30"	11° 17' 27"

Defl./ft. = 11.459156 Min.

CITY OF WICHITA

BENT TREE CIRCLE

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Design AMS
Drawn by DLM
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Date 1983
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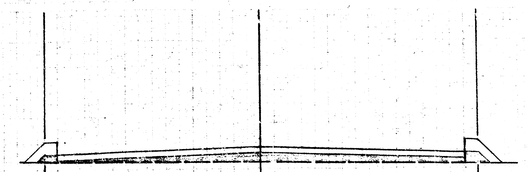
MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561

Sheet 5 of 11

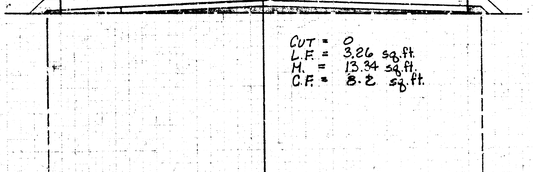
BENT TREE CIRCLE

STA. 2+16.17



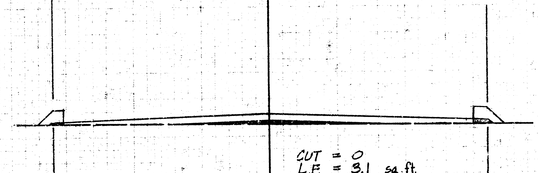
Exc. = 0 c.y.
L.F. = 5.3 c.y.
M. = 21.3 c.y.
C.F. = 12.2 c.y.
> 33.83

STA. 2+00



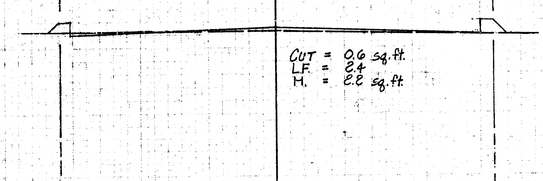
Exc. = 0
L.F. = 2.1 c.y.
M = 8.5 c.y.
C.F. = 7.3 c.y.
> 16.17

STA. 1+50.18



Exc. = 0
L.F. = 6.5 c.y.
M. = 31.8 c.y.
C.F. = 8.6 c.y.
> 49.82

STA. 1+00

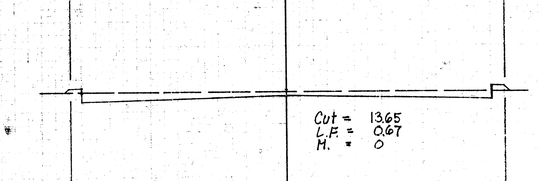


Exc. = 0
L.F. = 6.1 c.y.
M = 23.6 c.y.
C.F. = 3.1 c.y.
> 57.03

STA. 0+93.15

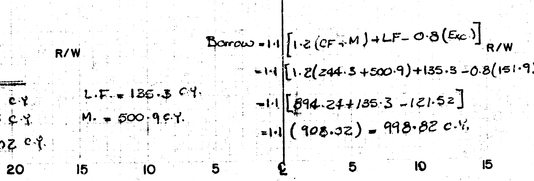
Exc. = 0.5 c.y.
L.F. = 9.4 c.y.
M. = 11.5 c.y.
C.F. = 1.5 c.y.
> 43.15

STA. 0+50



Exc. = 2.5 c.y.
L.F. = 2.8 c.y.
M. = 2.5 c.y.
C.F. = 0
> 33.8

STA. 0+16.20



Exc. = 5.0 c.y.
L.F. = 0.6 c.y.
M = 0.4 c.y.
CF = 0.00
> 15.72

STA. 0+00.48

Exc. = 16.2 c.y.
L.F. = 0.20 c.y.
M = 0
C.F. = 0
> 18

STA. 0-17.52

EASEMENT R/W R/W EASEMENT

Total Proj:
Exc. = 151.90 c.y.
C.F. = 244.3 c.y.
Borrow = 908.02 c.y.

L.F. = 135.3 c.y.
M. = 500.9 c.y.

Borrow = 1:1 [1.2 (CF + M) + LF - 0.8 (Exc.)]
= 1:1 [1.2(244.3 + 500.9) + 135.3 - 0.8(151.9)]
= 1:1 [894.24 + 135.3 - 121.52]
= 1:1 (908.02) = 998.82 c.y.

TOTAL PER SHEET
M. = 89.9
C.F. = 33.3
Exc. = 24.2
L.F. = 26.6

STREETS IN BENT TREE
PROJECT NO.
472-76-248-81317-000-000-001

30 25 20 15 10 5 0 5 10 15 20 25 30

STREETS IN BENT TREE
PROJECT NO.
472-76-245-8131?-000-000-001

BENT TREE CIRCLE

7/11

FILMED FROM THE BEST

BENT TREE CIRCLE

STREETS IN BENT TREE
PROJECT NO.
472-76-245-8137-000-000-001

STA. 7+59.54

STA. 6+83.70

STA. 6+25.70

STA. 6+00

STA. 5+40.68

STA. 5+

STA. 4+97.10

Cut = 8.4 sq. ft.
L.F. = 0.917 sq. ft.
H. = 0

Cut = 18.20 sq. ft.
L.F. = 0.25 sq. ft.
H. = 0

Cut = 18.963 sq. ft.
L.F. = 0.9 sq. ft.
H. = 0

Cut = 13.17 sq. ft.
L.F. = 0.25 sq. ft.
H. = 0

Cut = 2.85 sq. ft.
L.F. = 1.301 sq. ft.
H. = 1.1 sq. ft.

Cut = 0.1
L.F. = 2.14 sq. ft.
M. = 6.795 sq. ft.

Exc = 7.53 C.Y.
LF = 2.3 C.Y.
M = 0
CF = 0
40.46

Exc = 37.4 C.Y.
LF = 1.6 C.Y.
M = 0
CF = 0
75.34

Exc = 39.9 C.Y.
LF = 1.2 C.Y.
M = 0
CF = 0
58.0

Exc = 16.2 C.Y.
LF = 0.5 C.Y.
M = 0
CF = 0
25.7

Exc = 19.8 C.Y.
LF = 1.7 C.Y.
M = 1.2 C.Y.
CF = 0
59.32

Exc = 2.4 C.Y.
LF = 2.8 C.Y.
M = 6.4 C.Y.
CF = 0.0 C.Y.
43.58

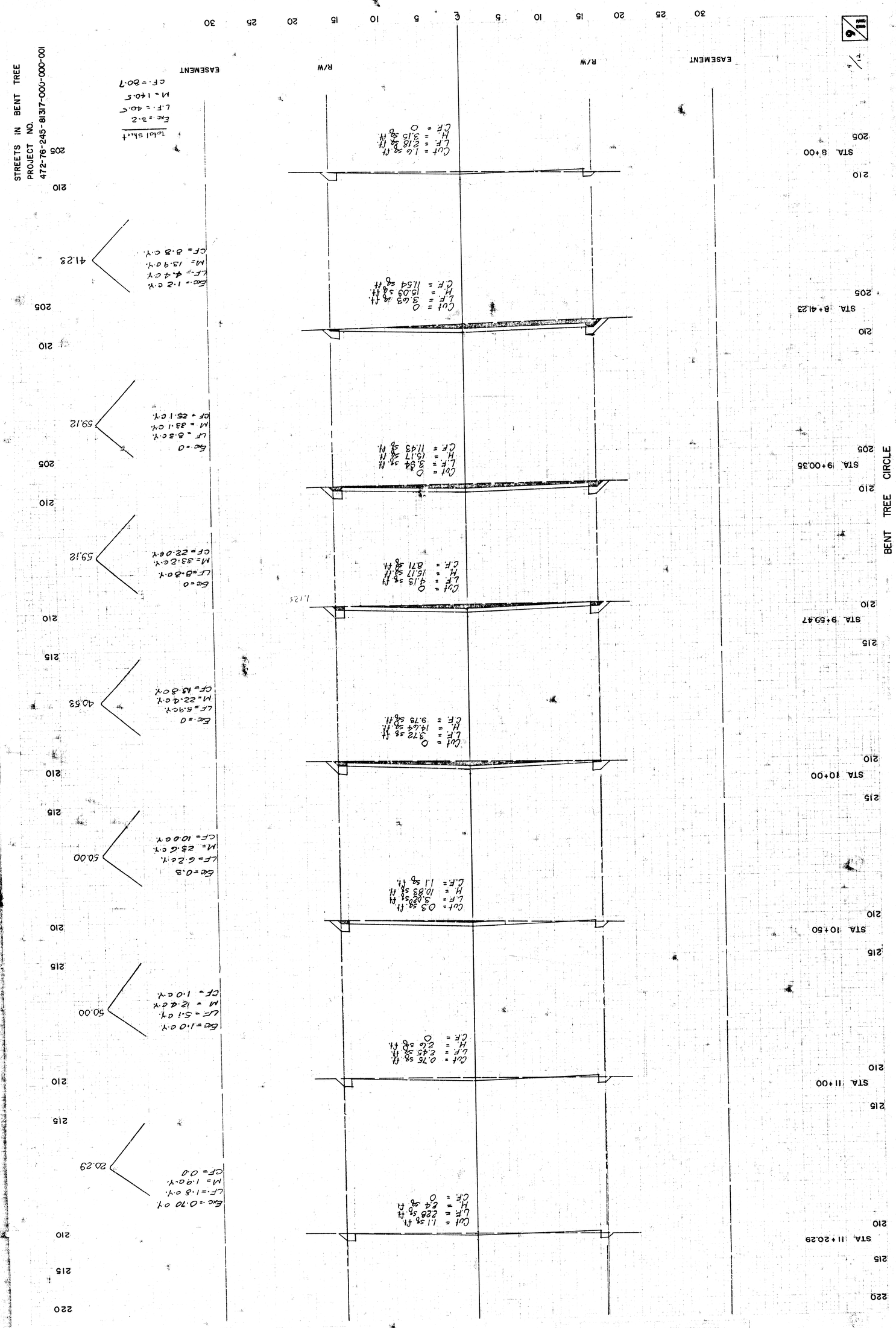
Exc = 0.1 C.Y.
LF = 6.8 C.Y.
M = 15.2 C.Y.
CF = 0.1 C.Y.
47.10

TOTAL PER SHEET
Exc = 123.3
M = 22.8
CF = 0.1
LF = 16.9

EASEMENT R/W R/W EASEMENT

30 25 20 15 10 5 ℄ 5 10 15 20 25 30

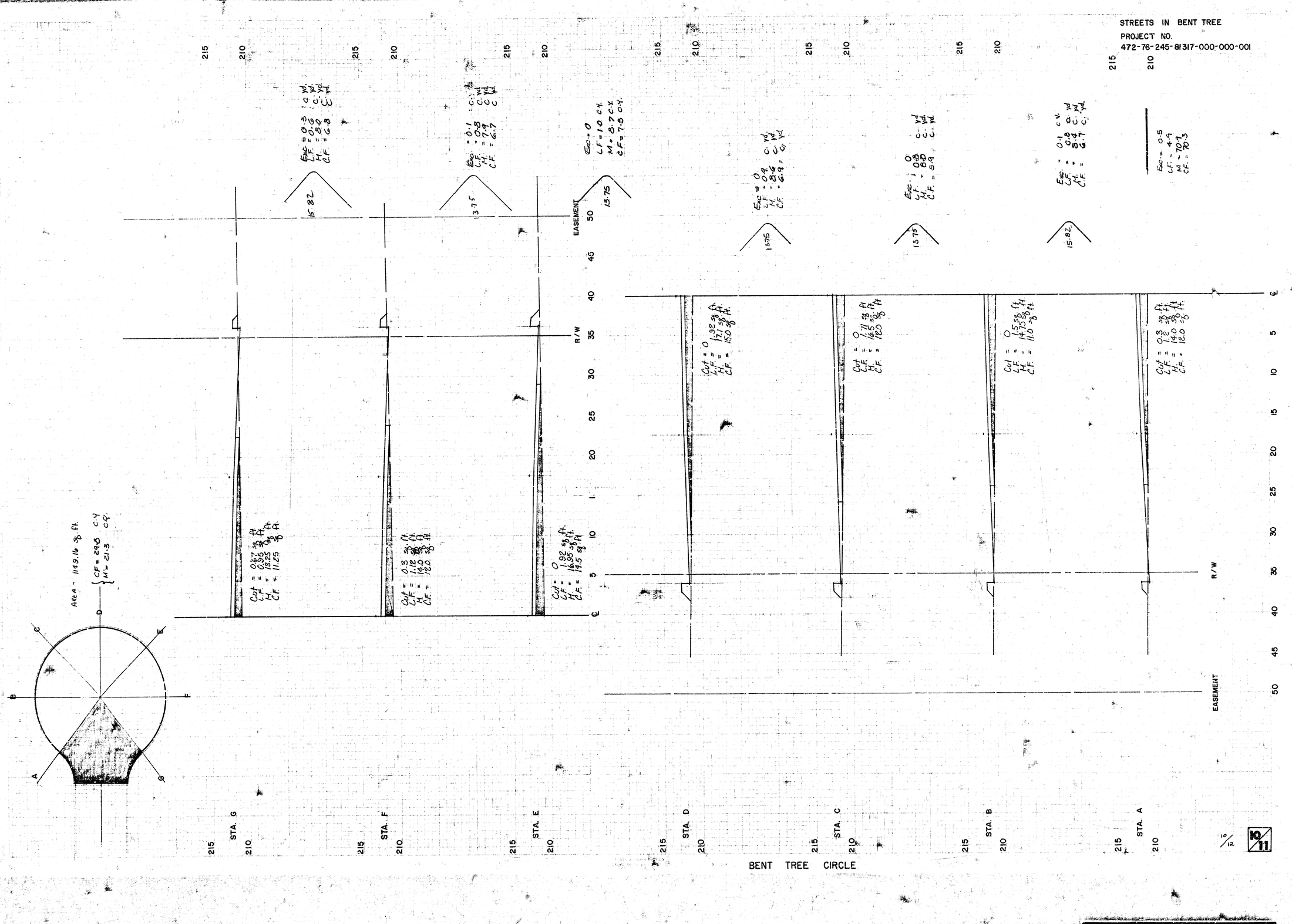
210 205



STREETS IN BENT TREE
PROJECT NO.
472-76-245-81317-000-000-001
BENT TREE CIRCLE
STA. 8+00
STA. 8+41.23
STA. 9+00.35
STA. 9+59.47
STA. 10+00
STA. 10+50
STA. 11+00
STA. 11+20.29
EASEMENT
R/W
Total Sheet
Exc. = 3.2
L.F. = 40.5
M = 140.5
CF = 80.7
Cut = 1.6 sq. ft.
L.F. = 2.18 sq. ft.
H. = 3.15 sq. ft.
C.F. = 0
Cut = 0
L.F. = 3.63 sq. ft.
H. = 15.09 sq. ft.
C.F. = 11.54 sq. ft.
Cut = 0
L.F. = 3.94 sq. ft.
H. = 15.17 sq. ft.
C.F. = 11.43 sq. ft.
Cut = 0
L.F. = 4.13 sq. ft.
H. = 15.17 sq. ft.
C.F. = 8.71 sq. ft.
Cut = 0
L.F. = 3.72 sq. ft.
H. = 14.64 sq. ft.
C.F. = 9.73 sq. ft.
Cut = 0.3 sq. ft.
L.F. = 3.02 sq. ft.
H. = 10.83 sq. ft.
C.F. = 1.1 sq. ft.
Cut = 0.75 sq. ft.
L.F. = 2.45 sq. ft.
H. = 2.6 sq. ft.
C.F. = 0
Cut = 1.1 sq. ft.
L.F. = 2.28 sq. ft.
H. = 2.4 sq. ft.
C.F. = 0
Exc. = 1.2 c.y.
LF = 4.4 c.y.
M = 13.9 c.y.
CF = 8.8 c.y.
41.23
Exc. = 0
LF = 8.3 c.y.
M = 33.1 c.y.
CF = 25.1 c.y.
59.12
Exc. = 0
LF = 8.8 c.y.
M = 33.2 c.y.
CF = 22.0 c.y.
59.12
Exc. = 0
LF = 5.9 c.y.
M = 22.4 c.y.
CF = 13.8 c.y.
40.53
Exc. = 0.3
LF = 6.2 c.y.
M = 23.6 c.y.
CF = 10.0 c.y.
50.00
Exc. = 1.0 c.y.
LF = 5.1 c.y.
M = 12.4 c.y.
CF = 1.0 c.y.
50.00
Exc. = 0.70 c.y.
LF = 1.8 c.y.
M = 1.9 c.y.
CF = 0.0
20.29

STREETS IN BENT TREE

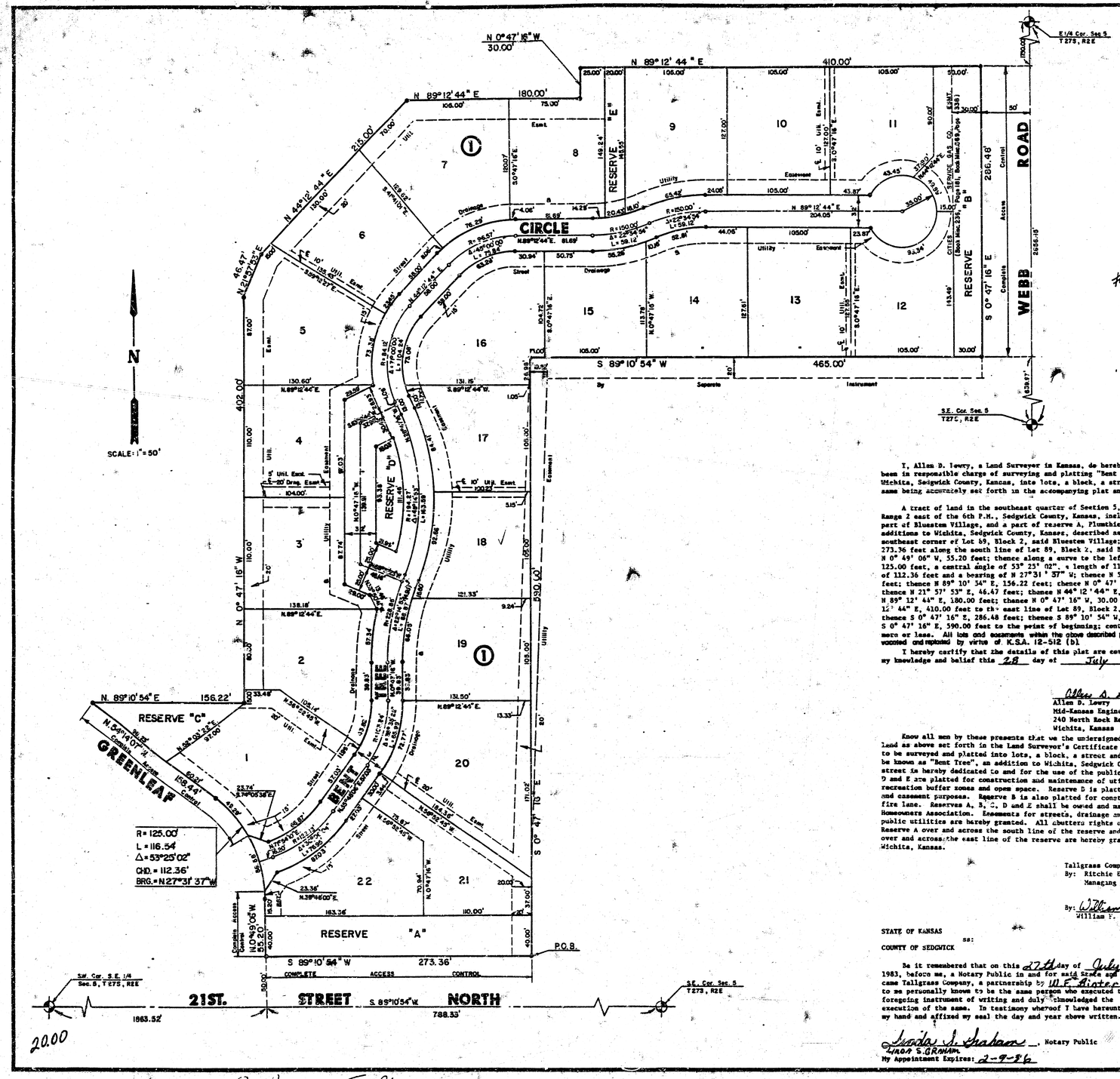
PROJECT NO.
472-76-245-81317-000-000-001



FILMED FROM THE BEST

10/11


STREETS IN BENT TREE
PROJECT NO.
472-76-245-81317-000-000-001
BENT TREE CIRCLE
STA. 0+16
STA. 0+58.43
STA. 1+00
STA. 1+67.23
STA. 2+00.99
Cut = 0
L.F. = 3.2 sq. ft.
M. = 13.64 sq. ft.
C.F. = 3.54 sq. ft.
Cut = 0
L.F. = 3.62 sq. ft.
M. = 14.86 sq. ft.
C.F. = 8.62 sq. ft.
Cut = 0
L.F. = 3.5 sq. ft.
M. = 14.2 sq. ft.
C.F. = 4.56 sq. ft.
Cut = 0.4 sq. ft.
L.F. = 2.3 sq. ft.
M. = 5.6 sq. ft.
C.F. = 0
Cut = 0
L.F. = 2.6 sq. ft.
M. = 9.25 sq. ft.
C.F. = 0.3 sq. ft.
Cut = 0
L.F. = 5.4 cu. yd.
M. = 22.4 cu. yd.
C.F. = 9.6 cu. yd.
Cut = 0
L.F. = 5.5 cu. yd.
M. = 22.4 cu. yd.
C.F. = 10.0 cu. yd.
Cut = 0.5 cu. yd.
L.F. = 7.2 cu. yd.
M. = 24.7 cu. yd.
C.F. = 5.4 cu. yd.
Cut = 0.2 cu. yd.
L.F. = 3.1 cu. yd.
M. = 9.3 cu. yd.
C.F. = 0.2 cu. yd.
Cut = 0
L.F. = 3.2 sq. ft.
M. = 13.64 sq. ft.
C.F. = 3.54 sq. ft.
Cut = 0
L.F. = 3.62 sq. ft.
M. = 14.86 sq. ft.
C.F. = 8.62 sq. ft.
Cut = 0
L.F. = 5.5 cu. yd.
M. = 22.4 cu. yd.
C.F. = 10.0 cu. yd.
Cut = 0.5 cu. yd.
L.F. = 7.2 cu. yd.
M. = 24.7 cu. yd.
C.F. = 5.4 cu. yd.
Cut = 0.2 cu. yd.
L.F. = 3.1 cu. yd.
M. = 9.3 cu. yd.
C.F. = 0.2 cu. yd.
Cut = 0
L.F. = 3.5 sq. ft.
M. = 14.2 sq. ft.
C.F. = 4.56 sq. ft.
Cut = 0.4 sq. ft.
L.F. = 2.3 sq. ft.
M. = 5.6 sq. ft.
C.F. = 0
Cut = 0
L.F. = 2.6 sq. ft.
M. = 9.25 sq. ft.
C.F. = 0.3 sq. ft.
Total Shrt
Exc. = 0.7 C.Y.
LF = 21.2 C.Y.
M = 78.8 C.Y.
CF = 25.2 C.Y.
10A
11



#648619

FINAL PLAT OF
BENT TREE

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

I, Allen D. Lowry, a Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting "Bent Tree", an addition to Wichita, Sedgwick County, Kansas, into lots, a block, a street and reserves, the same being accurately set forth in the accompanying plat and described as follows:

A tract of land in the southeast quarter of Section 5, Township 27 south, Range 2 east of the 6th P.M., Sedgwick County, Kansas, including a replat of part of Bluestem Village, and a part of reserve A, Plumthicket Second, both additions to Wichita, Sedgwick County, Kansas, described as beginning at the southeast corner of Lot 89, Block 2, said Bluestem Village; thence S 89° 10' 54" W, 273.36 feet along the south line of Lot 89, Block 2, said Bluestem Village; thence N 0° 49' 06" W, 55.20 feet; thence along a curve to the left having a radius of 125.00 feet, a central angle of 53° 25' 02", a length of 116.54 feet and a chord of 112.36 feet and a bearing of N 27°31' 37" W; thence N 54° 14' 07" W, 158.44 feet; thence N 89° 10' 54" E, 156.22 feet; thence N 0° 47' 16" W, 402.00 feet; thence N 21° 57' 53" E, 46.47 feet; thence N 44° 12' 44" E, 215.00 feet; thence N 89° 12' 44" E, 180.00 feet; thence N 0° 47' 16" W, 30.00 feet; thence N 89° 12' 44" E, 410.00 feet to the east line of Lot 89, Block 2, said Bluestem Village; thence S 0° 47' 16" E, 286.48 feet; thence S 89° 10' 54" W, 465.00 feet; thence S 0° 47' 16" E, 590.00 feet to the point of beginning; containing 8.66 acres, more or less. All lots and easements within the above described property are being vacated and replatted by virtue of K.S.A. 12-512 (b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 28 day of July, 1983.

Allen D. Lowry
Allen D. Lowry
Mid-Kansas Engineering Consultants, P.A.
240 North Rock Road, Suite 130
Wichita, Kansas 67206

ALLEN D. LOWRY REGISTERED LS-765 KANSAS LAND SURVEYOR

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Land Surveyor's Certificate have caused the same to be surveyed and platted into lots, a block, a street and reserves, the same to be known as "Bent Tree", an addition to Wichita, Sedgwick County, Kansas. The street is hereby dedicated to and for the use of the public. Reserves A, B, C, D and E are platted for construction and maintenance of utilities, drainage, recreation buffer zones and open space. Reserve D is platted for street drainage and easement purposes. Reserve B is also platted for construction of a wall and fire lane. Reserves A, B, C, D and E shall be owned and maintained by the Homeowners Association. Easements for streets, drainage and construction of public utilities are hereby granted. All abutters rights of access to or from Reserve A over and across the south line of the reserve and to or from Reserve B over and across the east line of the reserve are hereby granted to the City of Wichita, Kansas.

Tallgrass Company, a Partnership
By: Ritchie Enterprises
Managing Partner

By: William F. Binter
William F. Binter

STATE OF KANSAS
ss:
COUNTY OF SEDGWICK

Be it remembered that on this 27th day of July, 1983, before me, a Notary Public in and for said State and County, came Tallgrass Company, a partnership by W.F. Binter, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my seal the day and year above written.

Linda S. Graham
LINDA S. GRAHAM
Notary Public
My Appointment Expires: 2-9-86

LINDA S. GRAHAM NOTARY PUBLIC STATE OF KANSAS

STATE OF KANSAS
ss:
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the Register of Deeds Office at 2:30 P.M. on the 23RD day of AUGUST, 1983.

Bette F. McCart, Register of Deeds
Bette F. McCart

Pat Kettler, Deputy
Pat Kettler

This plat of "Bent Tree" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 14TH day of July, 1983.

Wichita-Sedgwick County Metropolitan Area Planning Commission

David Bayouth, Chairman

Robert A. Lakin, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 9TH day of AUGUST, 1983.

Margalee Wright, Mayor

Donald C. Gisch, City Clerk

This plat approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 23rd day of AUGUST, 1983.

Jack Spratt, Chairman

Donald E. Gragg, Commissioner

Tom Scott, Commissioner

Attest: Dorothy K. White, County Clerk
Dorothy K. White

Entered on transfer record this 23rd day of AUGUST, 1983.

Dorothy K. White, County Clerk
Dorothy K. White

Restrictive Covenants Bk 503 Pg 908 & 913

12/12

11

11

N-S-3-16

S-2 S-31

20.00