STREETS IN WOODLAND ESTATES

LINDEN / SHANNON WAY : FROM THE NORTH LINE OF GATEWOOD TO THE WEST LINE OF WOODLAND ESTATES
LINDEN COURT : FROM THE WEST LINE OF LINDEN TO AND INCL. CUL-DE-SAC (LOTS 1 THROUGH 12 BLK. 1, WOODLAND ESTATES)
LINDEN COURT : FROM THE WEST LINE OF LINDEN TO AND INCL. CUL-DE-SAC (LOTS 13 THROUGH 20 BLK.1, WOODLAND ESTATES)
LINDEN COURT : FROM THE WEST LINE OF LINDEN TO AND INCL. CUL-DE-SAC (LOTS 21 THROUGH 26 BLK.1, WOODLAND ESTATES)

PROJECT NO.

472-76-245-81593-000-000-001

CITY OF WICHITA KANSAS

MICHAEL E. LINDEBAK CITY ENGINEER
DECEMBER , 1986

GENERAL NOTES

1. CURB AND GUTTER WITH WIDENED GUTTER TO BE PAID AS COMBINED CURB AND GUTTER.
2. ALL DRAINAGE STRUCTURES "BY OTHERS".
3. 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.
4. TRANSITION CURB FROM FULL HEIGHT COMBINATION CURB AND GUTTER TO ROLL TYPE COMBINATION CURB AND GUTTER IS TO BE PAID AS BID FOR LINEAR FEET COMBINED CURB AND GUTTER. (3 5/8"ROLL).
5. CURB SHALL BE DEPRESSED THROUGH DRIVES (1½"), WHERE ROLL TYPE CURB AND GUTTER IS CONSTRUCTED.
6. STANDARD STORM WATER INLET HOOKUPS ARE TO BE A BID "EACH" WITHOUT REGARD TO WIDTH OR LENGTH.
   THE NON-STANDARD STORM WATER INLET HOOKUP AT STA. 2 + 00 RIGHT ON LINDEN SHALL BE BID AS LUMP SUM.
7. TREES ARE AN IMPORTANT ASSET IN THIS DEVELOPMENT. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD TO DETERMINE WHICH TREES (IF ANY) BEYOND OR OUTSIDE OF CURB LINES SHALL BE REMOVED. THIS CONFERENCE SHOULD INCLUDE THE OWNER AND/OR HIS AGENT.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

ARKLA GAS COMPANY	942-8350
BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KPL GAS SERVICE	263-7511
KANSAS GAS & ELECTRIC	261-6248
KANSAS ONE-CALL	1-800-344-7233
CITIES SERVICE	524-0491
KANSAS GAS SUPPLY	1-316-254-7243
CONTINENTAL PIPELINE COMPANY	1-316-681-2081
CO-OP REFINERY PIPELINE	1-316-221-2107

ASPHALTIC CONCRETE AND CONCRETE SLABS SHOWN ON THESE PLANS WERE IN PLACE AT THE TIME OF THE PRELIMINARY SURVEY. SINCE THAT TIME PORTIONS AND PIECES OF THESE SLABS HAVE BEEN REMOVED BY OTHER CONSTRUCTION ACTIVITY. THE WORK OF REMOVING THE REMAINING SLABS WITHIN THE STREET RIGHT-OF-WAY WILL BE AS A LUMP SUM BID ITEM. (CONCRETE AND ASPHALT SLABS REMOVED)

BENCH MARKS

T.B.M. #1 SPK STEP IN COR. FC POST
660' E. & 40' S. OF CTR.
SEC. 17, T27S, R2E
ELEV. = 176.09'

B.M. #2 CITY OF WICHITA BENCK MARK DISC.
ON THE NORTHEAST CORNER OF RCB
AT CENTRAL AND GYPSUM CREEK
ELEV. = 157.24

B.M. #3 " " ON S. CURB OF SHANNON WAY
44' W. OF W. LINE OF WOODLAND ESTATES
ELEV. = 173.89'

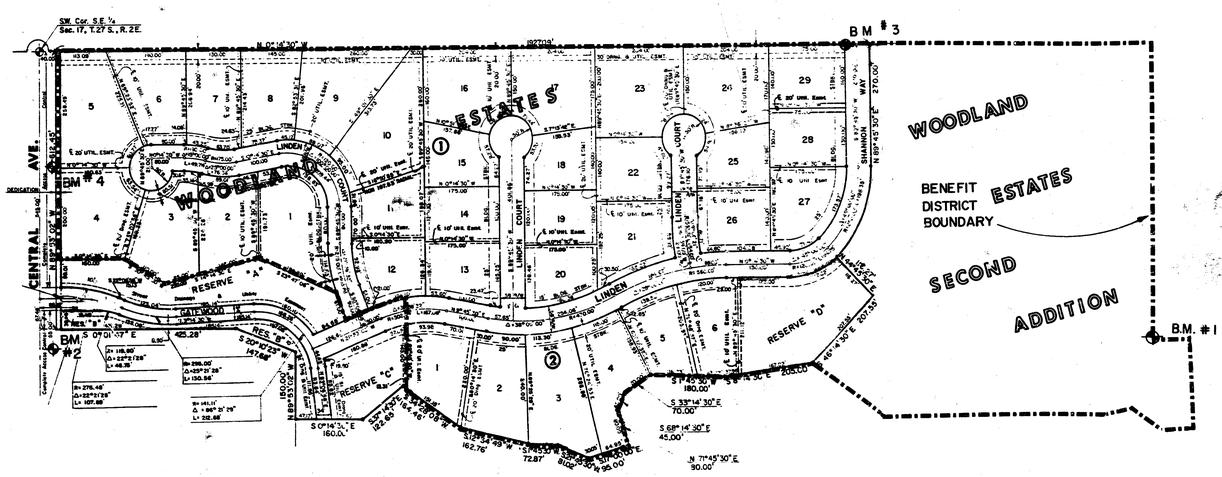
B.M. #4 " " CUT ON N. TC. OF CENTRAL ON
LOT LINE BETWEEN LOTS 4 & 5 - 1
ELEV. = 162.56

N

Scale: 1"=150'

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PAVING DETAILS
3-4	LINDEN
5	SHANNON WAY
6-7	LINDEN COURT (Lots 1-12, Blk. 1)
8	LINDEN COURT (Lots 13-20, Blk. 1)
9	LINDEN COURT (Lots 21- 26, Blk. 1)
10- 19	CROSS SECTIONS
20	FINAL PLAT





WOODLAND ESTATES
PAVING PLANS

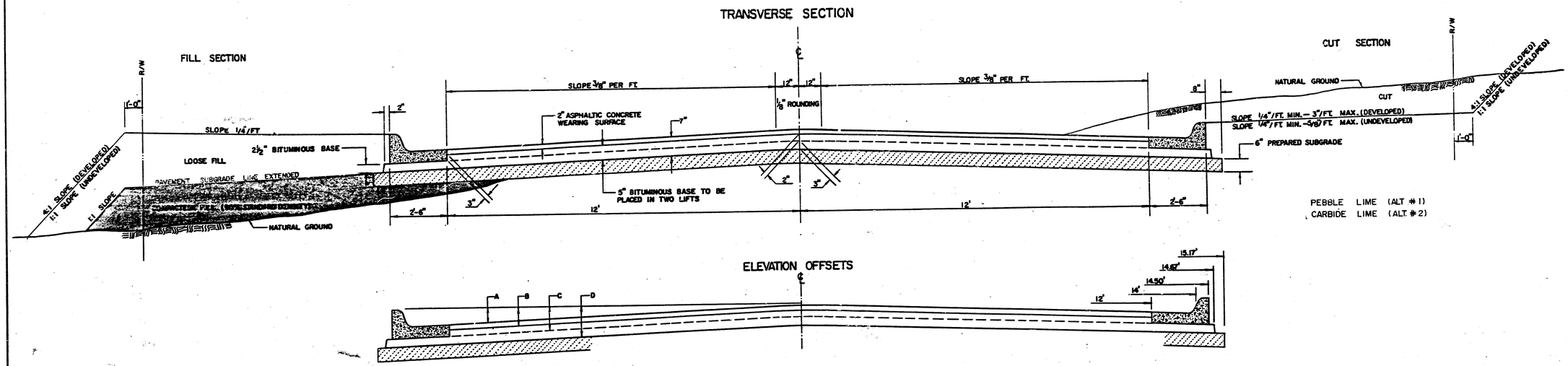
Design	KHB
Drawn by	F.F.
Checked by	KHB
Date	DEC. 1986
100 nc.	

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 682-6561

Sheet 1 1/16 of 20

TYPICAL 29' PAVEMENT DETAILS

TRANSVERSE SECTION

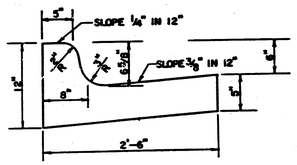


PEBBLE LIME (ALT #1)
CARBIDE LIME (ALT #2)

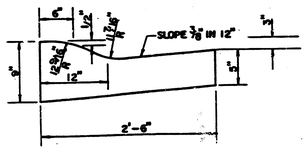
ELEVATION OFFSETS

	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.

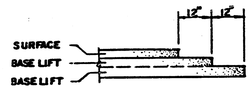
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

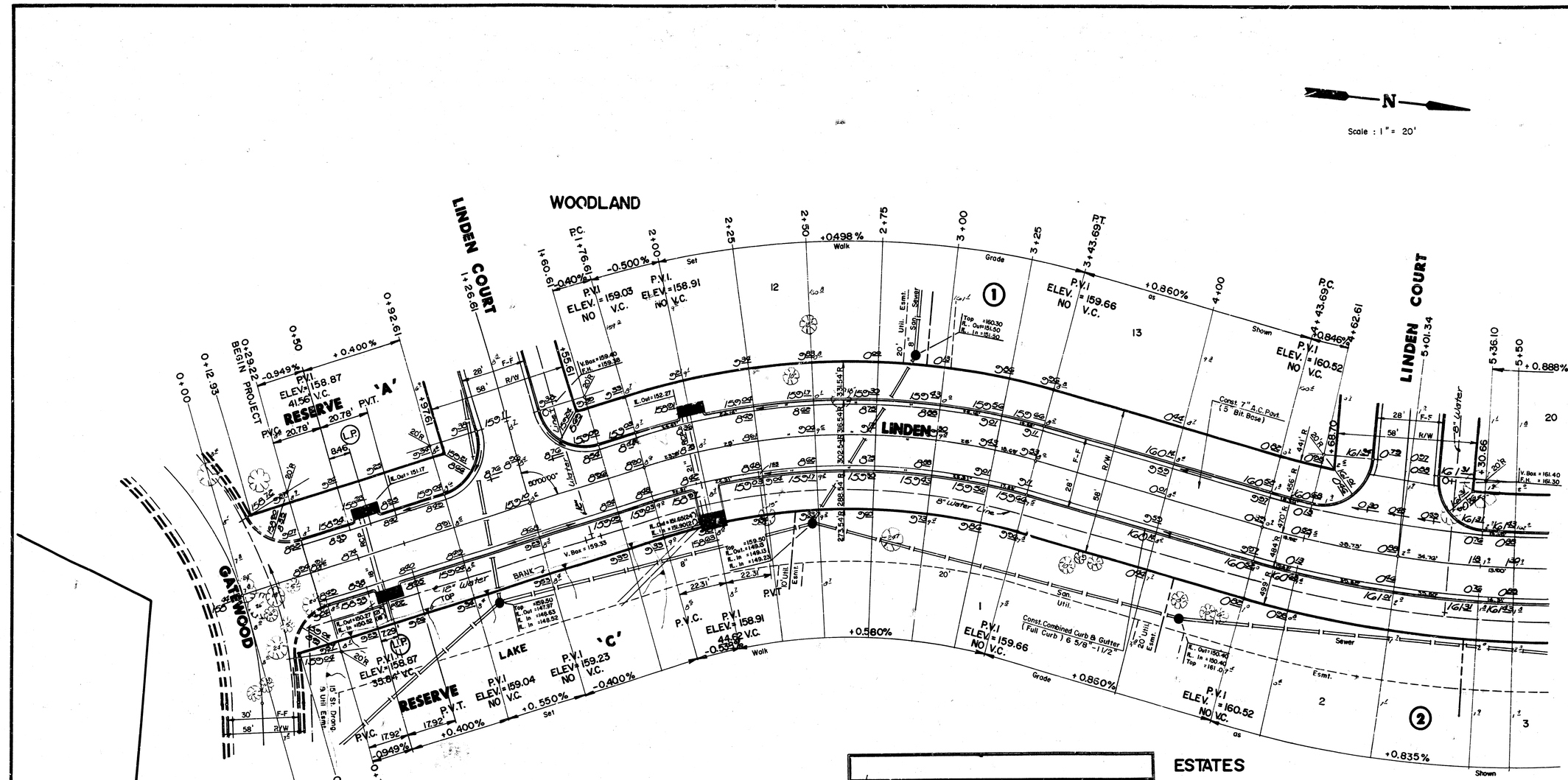


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER 472-76-245-81593-000-000-001



Δ = 31°38'32" R = 302.54' T = 85.73' L = 167.08 LC = 164.97'					
CURVE DATA BASED ON Centerline RAD. Δ /2 = 15°49'16"					
STATION	ARC	CHORD LENGTH Blt. OFFSET	CHORD LENGTH B'Rt. OFFSET	DEFLECTION	TOTAL DEFLECTION
1+76.61	-	-	-	-	00°00'00"
2+00.00	23.39'	25.08'	21.68'	02°12'53"	02°12'53"
2+25.00	25.00'	26.81'	23.17'	02°22'02"	04°34'55"
2+50.00	25.00'	26.81'	23.17'	02°22'02"	06°56'58"
2+75.00	25.00'	26.81'	23.17'	02°22'02"	09°19'00"
3+00.00	25.00'	26.81'	23.17'	02°22'02"	11°41'02"
3+25.00	25.00'	26.81'	23.17'	02°22'02"	14°03'04"
3+43.69	18.69'	20.05'	17.33'	01°46'11"	15°49'16"
				Def./Ft. =	5.6815 Min

Δ = 38°00'00" R = 470.00' T = 161.83' L = 311.72 LC = 306.03'					
CURVE DATA BASED ON Centerline RAD. Δ /2 = 19°00'00"					
STATION	ARC	CHORD LENGTH Blt. OFFSET	CHORD LENGTH B'Rt. OFFSET	DEFLECTION	TOTAL DEFLECTION
4+43.69	-	-	-	-	00°00'00"
4+62.61	18.92'	18.03'	19.81'	01°09'12"	01°09'12"
5+01.34	38.73'	63.98	40.53'	02°21'39"	03°30'50"
5+36.10	34.76'		36.38'	02°07'07"	05°37'57"
5+50.00	13.90'	13.25'	14.55'	00°50'50"	06°28'47"
5+75.00	25.00'	23.83'	26.17'	01°31'26"	08°00'13"
6+00.00	25.00'	23.83'	26.17'	01°31'26"	09°31'39"
6+25.00	25.00'	23.83'	26.17'	01°31'26"	11°03'05"
6+50.00	25.00'	23.83'	26.17'	01°31'26"	12°34'31"
6+75.00	25.00'	23.83'	26.17'	01°31'26"	14°05'57"
7+00.00	25.00'	23.83'	26.17'	01°31'26"	15°37'22"
7+25.00	25.00'	23.83'	26.17'	01°31'26"	17°08'48"
7+50.00	25.00'	23.83'	26.17'	01°31'26"	18°40'14"
7+55.40	5.40'	5.15'	5.66'	00°19'46"	19°00'00"
				Def./Ft. =	3.6572 Min.

Excavation		Comp. Fill	
	5466.0		77.0
10%	546.6	10%	7.7
	6012.6 CY		84.7 CY

Manipulation = 11,850 S.Y.

CITY OF WICHITA

LINDEN

PROJECT NO.
472-76-245-81593-000-000-001

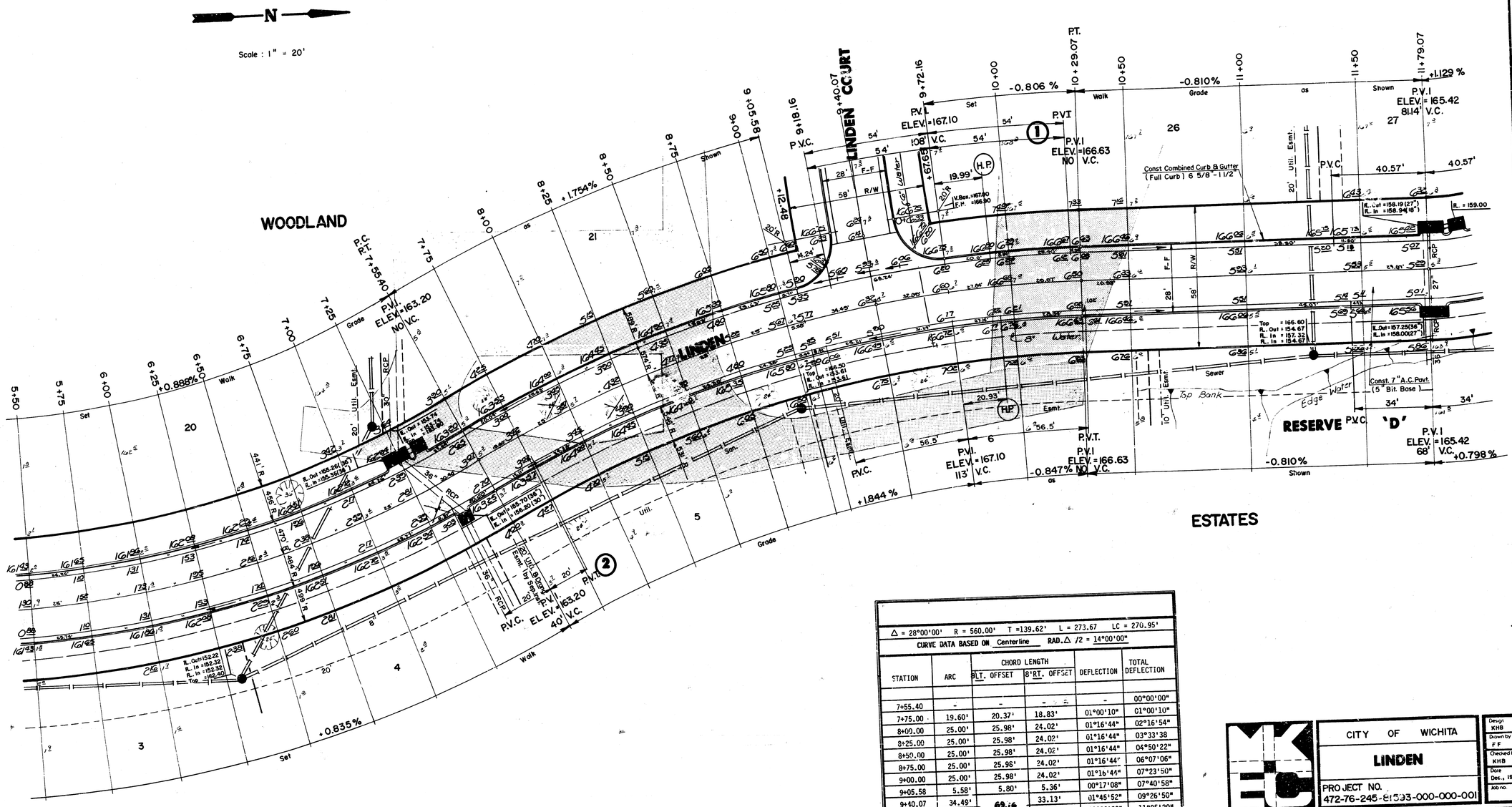
Design: F F
Drawn by: F F
Checked by: KHB / EES
Date: Dec., 1986
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 3 of 20
3/16

N

Scale : 1" = 20'



Δ = 28°00'00" R = 560.00' T = 139.62' L = 273.67 LC = 270.95'					
CURVE DATA BASED ON Centerline RAD.Δ /2 = 14°00'00"					
STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		Lt. OFFSET	Rt. OFFSET		
7+55.40	-	-	-	-	00°00'00"
7+75.00	19.60'	20.37'	18.83'	01°00'10"	01°00'10"
8+09.00	25.00'	25.98'	24.02'	01°16'44"	02°16'54"
8+25.00	25.00'	25.98'	24.02'	01°16'44"	03°33'38
8+50.00	25.00'	25.98'	24.02'	01°16'44"	04°50'22"
8+75.00	25.00'	25.98'	24.02'	01°16'44"	06°07'06"
9+00.00	25.00'	25.98'	24.02'	01°16'44"	07°23'50"
9+05.58	5.58'	5.80'	5.36'	00°17'08"	07°40'58"
9+40.07	34.49'	69.16	33.13'	01°45'52"	09°26'50"
9+72.16	32.09'		30.83'	01°38'30"	11°05'20"
10+00.00	27.84'	28.93'	26.74'	01°25'27"	12°30'47"
1029.07	29.07'	30.21'	27.93'	01°29'14"	14°00'00"
				Def./Ft. =	3.0694 Min.

MK EC

CITY OF WICHITA

LINDEN

PROJECT NO.
472-76-245-81593-000-000-001

Design KHB FF
Drawn by FF
Checked by KHB
Date Dec., 1986
JOB no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 4/16 4
of 20

LINDEN CIRCLE LOT 11-20 AND SHANNON WAY INTERSECTION QUANTITIES

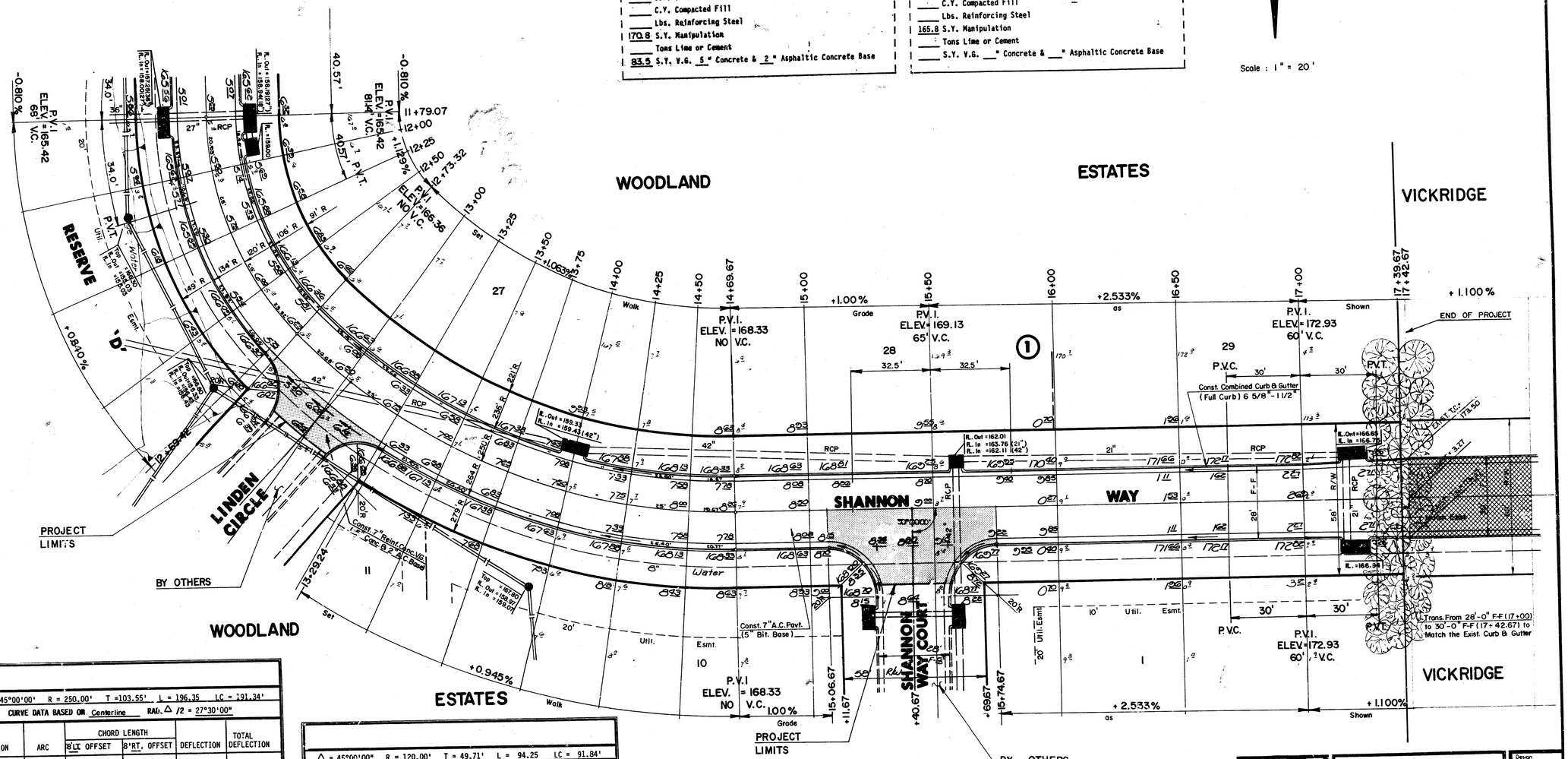
____	S.Y. ___ " Concrete Pavement
____	S.Y. ___ Asphaltic Conc. Pavement (___ Bituminous Base)
____	S.Y. ___ " Bituminous Base
____	L.F. Combined Curb & Gutter
47.6	L.F. Monolithic Edge Curb (6 5/8")
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
170.8	S.Y. Manipulation
____	Tons Lime or Cement
83.5	S.Y. V.G. 5 " Concrete & 2 " Asphaltic Concrete Base

LINDEN COURT LOT 1 - 10 AND SHANNON WAY INTERSECTION QUANTITIES

____	S.Y. ___ " Concrete Pavement
153	S.Y. 7 " Asphaltic Conc. Pavement (5 " Bituminous Base)
15.6	S.Y. 2½ " Bituminous Base
52.6	L.F. Combined Curb & Gutter
____	L.F. Integral Curb
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
165.8	S.Y. Manipulation
____	Tons Lime or Cement
____	S.Y. V.G. ___" Concrete & ___" Asphaltic Concrete Base

N

Scale : 1 " = 20 '



Δ = 45°00'00" R = 250.00' T = 103.55' L = 196.35 LC = 191.34'					
CURVE DATA BASED ON Centerline RAD. Δ /2 = 27°30'00"					
STATION	ARC	CHORD LENGTH 8'LT. OFFSET	CHORD LENGTH 8'RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
12+73.32	-	-	-	-	00°00'00"
13+00.00	26.68'	24.32'	29.01'	03°03'26"	03°03'26"
13+25.00	25.00'	22.79'	27.19'	02°51'53"	05°55'20"
13+50.00	25.00'	22.79'	27.19'	02°51'53"	08°47'13"
13+75.00	25.00'	22.79'	27.19'	02°51'53"	11°39'06"
14+00.00	25.00'	22.79'	27.19'	02°51'53"	14°30'59"
14+25.00	25.00'	22.79'	27.19'	02°51'53"	17°22'52"
14+50.00	25.00'	22.79'	27.19'	02°51'53"	20°14'46"
14+69.67	19.67'	17.93'	21.39'	02°15'14"	22°30'00"
				Def./Ft. =	6.8755 Min.

Δ = 45°00'00" R = 120.00' T = 49.71' L = 94.25 LC = 91.84'					
CURVE DATA BASED ON Centerline RAD. Δ /2 = 22°30'00"					
STATION	ARC	CHORD LENGTH 8'LT. OFFSET	CHORD LENGTH 8'RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
11+79.07	-	-	-	-	00°00'00"
12+00.00	20.93'	17.07'	24.74'	04°59'48"	04°59'48"
12+25.00	25.00'	20.38'	29.53'	05°58'06"	10°57'54"
12+50.00	25.00'	20.38'	29.53'	05°58'06"	16°56'00"
12+73.32	23.32'	19.01'	27.55'	05°34'00"	22°30'00"
				Def./Ft. =	13.3239 Min.

CITY OF WICHITA

SHANNON WAY

PROJECT NO. 472-76-245-81593-000-000-001

Design	KHB FF
Drawn by	FF
Checked by	KHB
Date	DEC., 1986
Job no.	

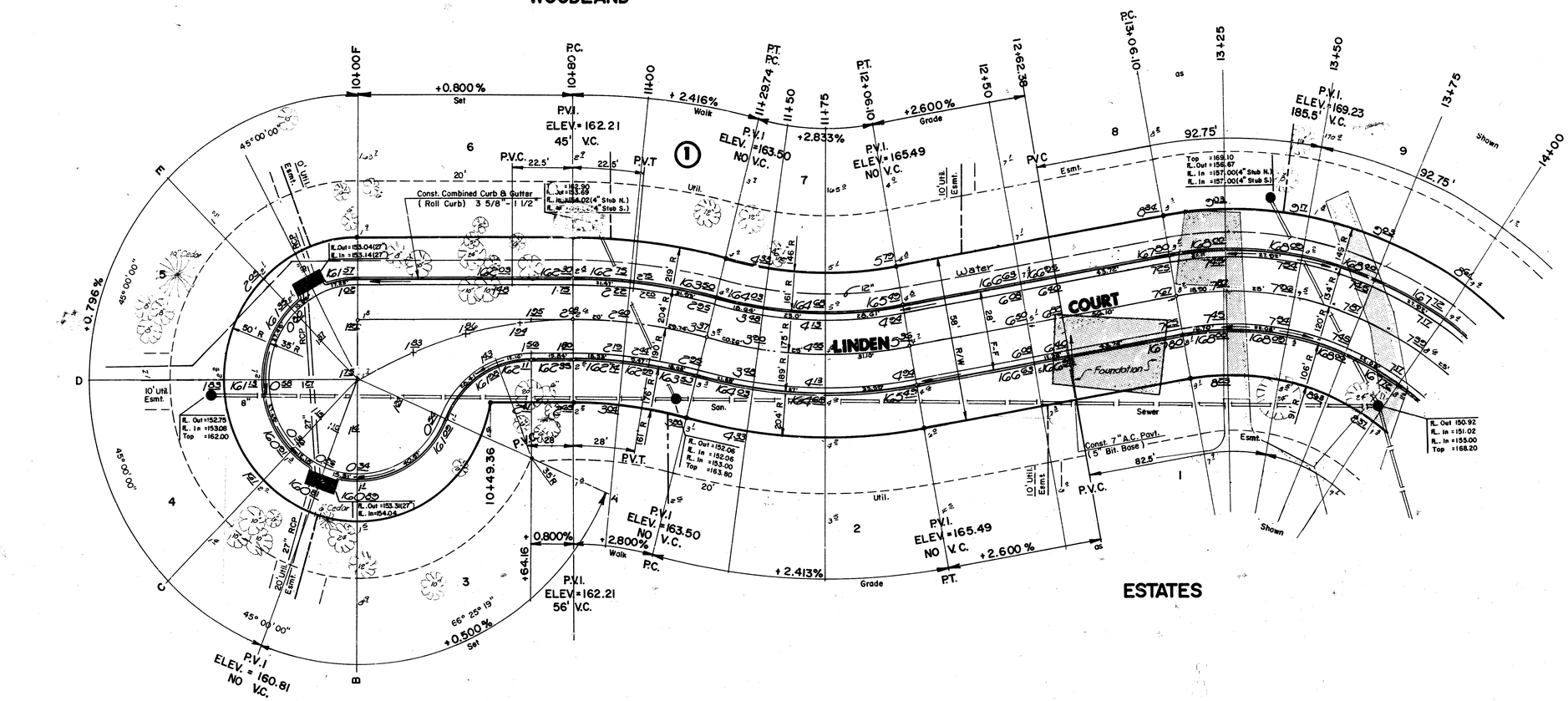
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 5 5/16 of 20

NOTE:
Top Of Curb Elevations Shown For Full Curb, Construct Combined Curb & Gutter (Roll Type).

N

Scale : 1" = 20'



△ = 25°00'00" R = 175.00' T = 38.80' L = 76.36' LC = 75.75'					
CURVE DATA BASED ON Centerline RAD.△ /2 = 12°30'00"					
STATION	ARC	CHORD LENGTH @LT. OFFSET	CHORD LENGTH @RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
11+29.74	-	-	-	-	00°00'00"
11+50.00	20.26'	19.70'	22.79'	03°19'00"	03°19'00"
11+75.00	25.00'	21.34'	28.12'	04°05'33"	07°24'33"
12+06.10	31.10'	27.15'	34.98	05°05'27"	12°30'00"
				Def./Ft. =	9.8221 Min.

△ = 15°00'00" R = 190.00' T = 25.01' L = 49.74' LC = 49.60'					
CURVE DATA BASED ON Centerline RAD.△ /2 = 07°00'00"					
STATION	ARC	CHORD LENGTH @LT. OFFSET	CHORD LENGTH @RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
10+80.00	-	-	-	-	00°00'00"
11+00.00	20.00'	22.31'	17.68'	03°00'56"	03°00'56"
11+29.74	29.74'	33.15'	26.27'	04°29'04"	07°30'00"
				Def./Ft. =	9.047 Min.

CITY OF WICHITA

LINDEN COURT
LOT 1 THRU 12 BLK. 1

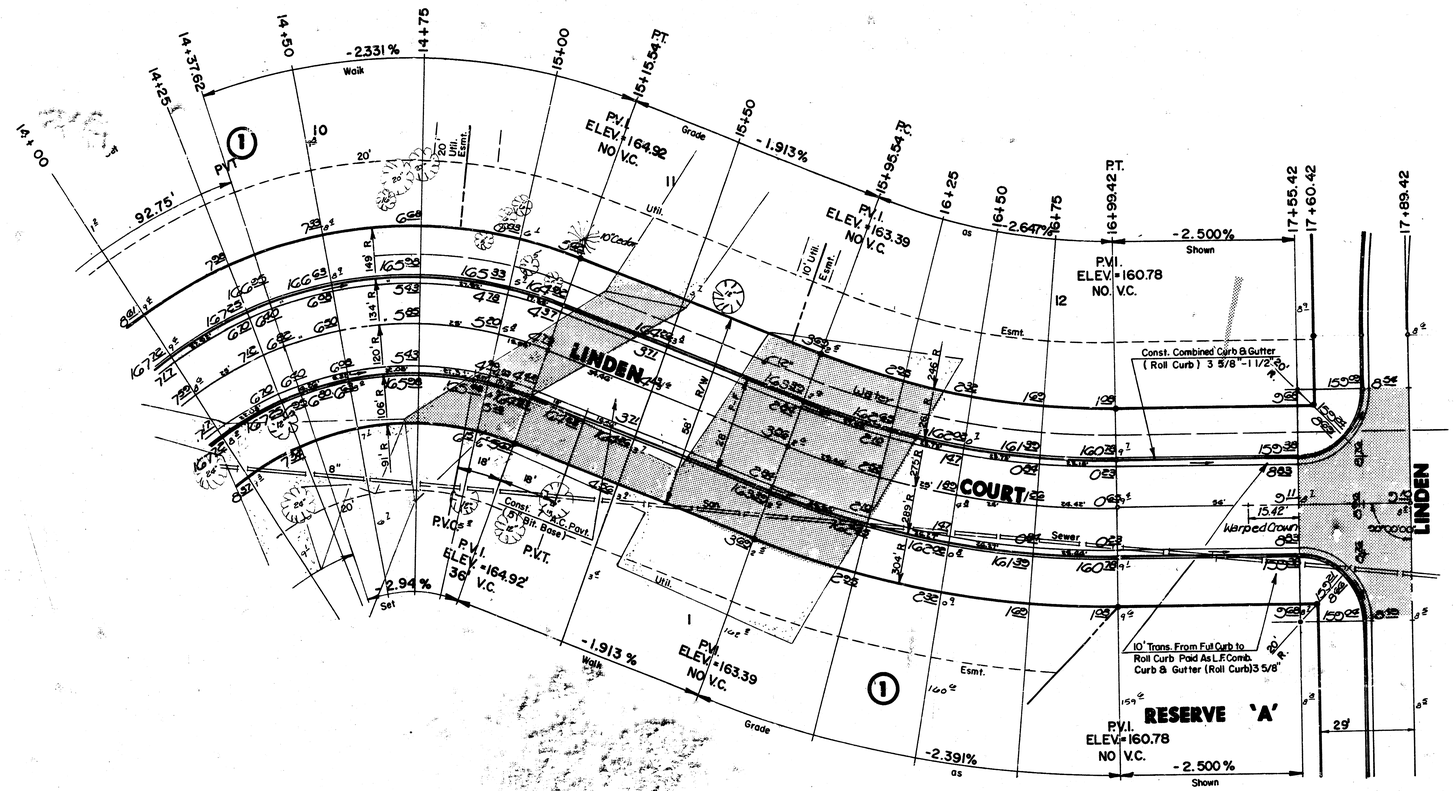
PROJECT NO.
472-76-245-81593-000-000-001

Design: FF
Drawn by: F F
Checked by: K H B
Date: DEC., 1986
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 6 6/16 of 20

NOTE:
Top Of Curb Elevations Shown For Full Curb, Construct Combined Curb & Gutter (Roll Typs).



Scale : 1" = 20'

△ =100°00'00" R = 120.00' T =143.01' L = 209.44 LC = 183.85'					
CURVE DATA BASED ON Centerline RAD.△ /2 = 50°00'00"					
STATION	ARC	CHORD LENGTH 8'LT. OFFSET	CHORD LENGTH 8'RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
13+06.10	-	-	-	-	00°00'00"
13+25.00	18.90'	22.34'	15.42'	04°30'43"	04°30'43"
13+50.00	25.00'	29.53'	20.38'	05°58'06"	10°28'49"
13+75.00	25.00'	29.53'	20.38'	05°58'06"	16°26'55"
14+00.00	25.00'	29.53'	20.38'	05°58'06"	22°25'01"
14+25.00	25.00'	29.53'	20.38'	05°58'06"	28°23'07"
14+50.00	25.00'	29.53'	20.38'	05°58'06"	34°21'13"
14+75.00	25.00'	29.53'	20.38'	05°58'06"	40°19'19"
15+00.00	25.00'	29.53'	20.38'	05°58'06"	46°17'25"
15+15.54	15.54'	18.38'	12.68'	03°42'35"	50°00'00"
				Def./Ft. =	4.3239 Min.

△ = 21°38'32" R = 275.00' T = 52.56' L = 103.88 LC = 103.26'					
CURVE DATA BASED ON Centerline RAD.△ /2 = 10°49'16"					
STATION	ARC	CHORD LENGTH 8'LT. OFFSET	CHORD LENGTH 8'RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
15+95.54	-	-	-	-	00°00'00"
16+25.00	29.46'	27.09'	31.80'	03°04'08"	03°04'08"
16+50.00	25.00'	22.99'	26.99'	02°36'16"	05°40'24"
16+75.00	25.00'	22.99'	26.99'	02°36'16"	08°16'40"
16+99.42	24.42'	22.46'	26.36'	02°32'38"	10°49'16"
				Def./Ft. =	6.2504 Min.

LINDEN & LINDEN COURT (1-12)
INTERSECTION QUANTITIES

____	S.Y. ___" Concrete Pavement
172.4	S.Y. 7 " Asphaltic Conc. Pavement (5 " Bituminous Base)
18.6	S.Y. 2½ " Bituminous Base
62.8	L.F. Combined Curb & Gutter
____	L.F. Integral Curb
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
181.2	S.Y. Manipulation
____	Tons Lime or Cement
____	S.Y. V.G. ___" Concrete & ___" Asphaltic Concrete Base

CITY OF WICHITA

LINDEN COURT
LOT 1 THRU 12 BLK. 1

PROJECT NO
472-76-245-81593-000-000-001

Design: KHB
Drawn by: F F
Checked by: K H B
Date: DEC., 1986
Job no.

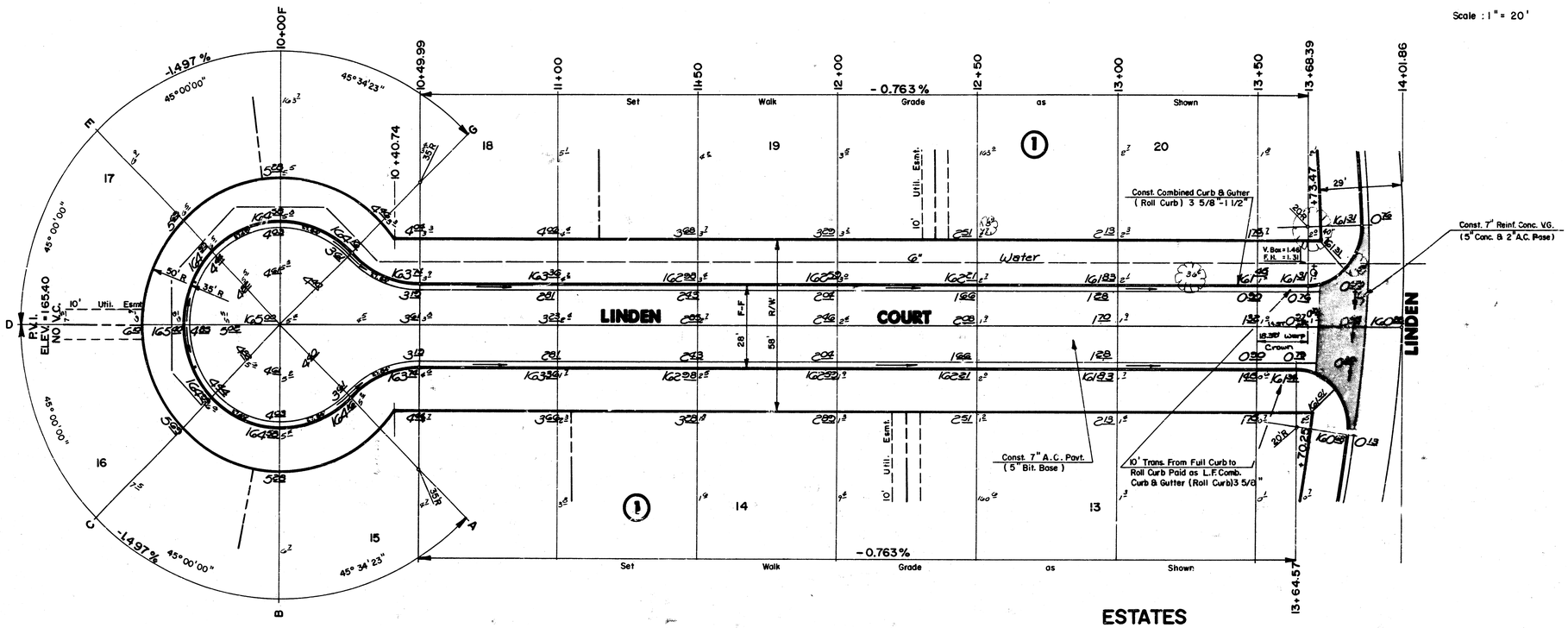
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 7 of 20 7/16

NOTE:
Top Of Curb Elevations Shown For Full Curb, Construct Combined Curb & Gutter (Roll Type).

N

Scale : 1" = 20'



ESTATES

LINDEN COURT LOT 13-20
AND LINDEN
INTERSECTION QUANTITIES

____	S.Y. _ " Concrete Pavement
____	S.Y. 7 " Asphaltic Conc. Pavement (5 " Bituminous Base)
____	S.Y. __" Bituminous Base
____	L.F. Combined Curb & Gutter
53.4	L.F. Monolithic Edge Curb (6 5/8")
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
186.9	S.Y. Manipulation
____	Tons Lime or Cement
90.2	S.Y. V.G. 5 " Concrete & 2 " Asphaltic Concrete Base

CITY OF WICHITA

LINDEN COURT
LOT 13 THRU 20 BLK.1

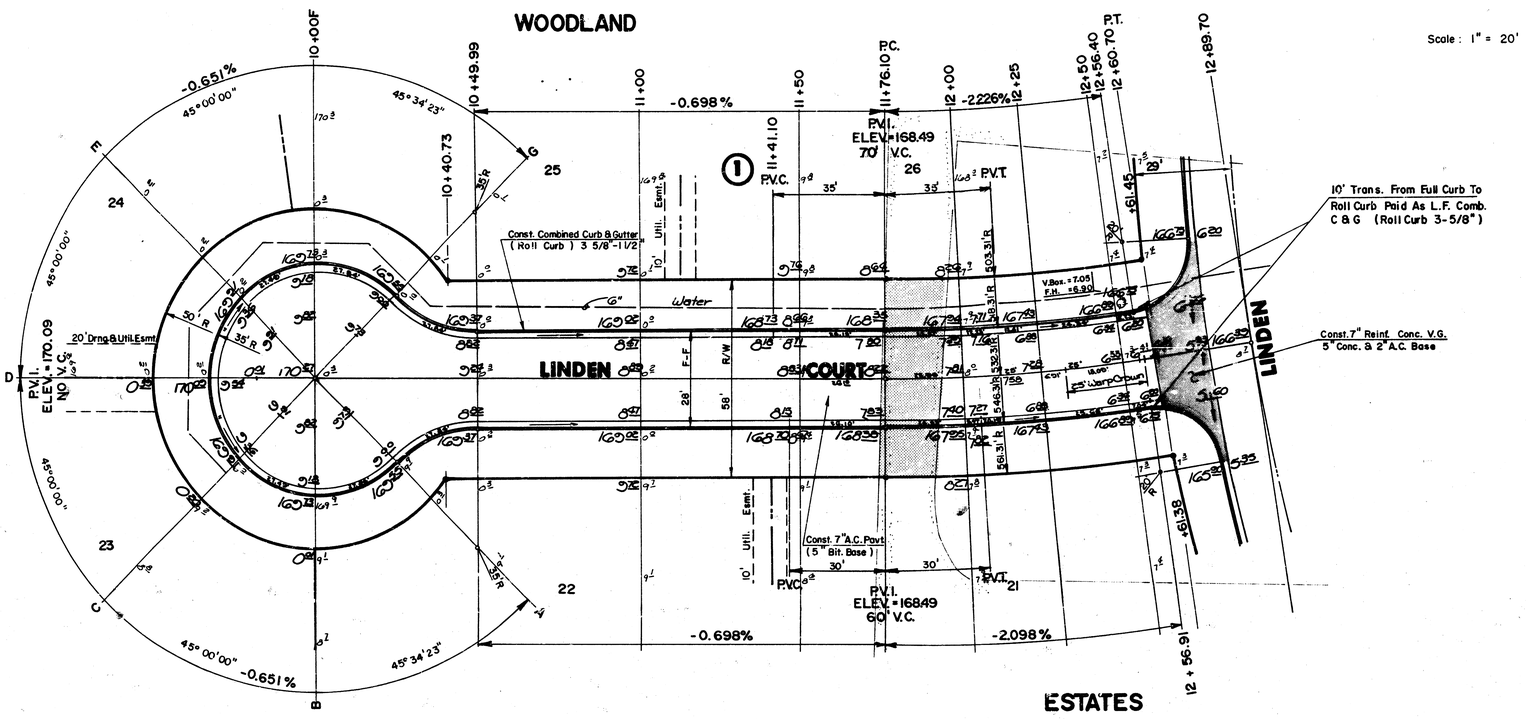
PROJECT NO.
472-76-245-81593-000-000-001

Design: F F
Drawn by: F F
Checked by: KHB / DSS
Date: DEC., 1986
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 8 of 20

NOTE:
Top Of Curb Elevations Shown For Full Curb, Construct Combined Curb & Gutter (Roll Type).



Δ = 09°06'21" R = 532.31' T = 42.39' L = 84.60 LC = 84.51'					
CURVE DATA BASED ON Centerline RAD. Δ /2 = 04°33'11"					
STATION	ARC	CHORD LENGTH @ LT OFFSET	CHORD LENGTH @ RT. OFFSET	DEFLECTION	TOTAL DEFLECTION
11+76.10	-	-	-	-	00°00'00"
12+00.00	23.90	22.91'	24.89'	01°17'11"	01°17'11"
12+25.00	25.00'	23.97'	26.03'	01°20'44"	02°37'55"
12+50.00	25.00'	23.97'	26.03'	01°20'44"	03°58'39"
12+56.40	6.40'	6.14'	6.66'	00°20'40"	04°19'19"
12+56.91	0.51'	0.49'	0.53'	00°01'39"	04°20'58"
12+60.70	3.79'	3.63'	3.95'	00°12'14"	04°33'11"
				Def./Ft. =	3.2291 Min

LINDEN COURT LOT 21-26
AND LINDEN
INTERSECTION QUANTITIES

____	S.Y. __" Concrete Pavement
88.1	S.Y. 7 " Asphaltic Conc. Pavement (5 " Bituminous Base)
____	S.Y. __" Bituminous Base
____	L.F. Combined Curb & Gutter
49.5	L.F. Monolithic Edge Curb (6 5/8")
____	S.F. 4" Wheelchair Ramp
____	S.F. 4" Walk
____	C.Y. Excavation
____	C.Y. Compacted Fill
____	Lbs. Reinforcing Steel
170.6	S.Y. Manipulation
____	Tons Lime or Cement
78.9	S.Y. V.G. 5 " Concrete & 2 " Asphaltic Concrete Base

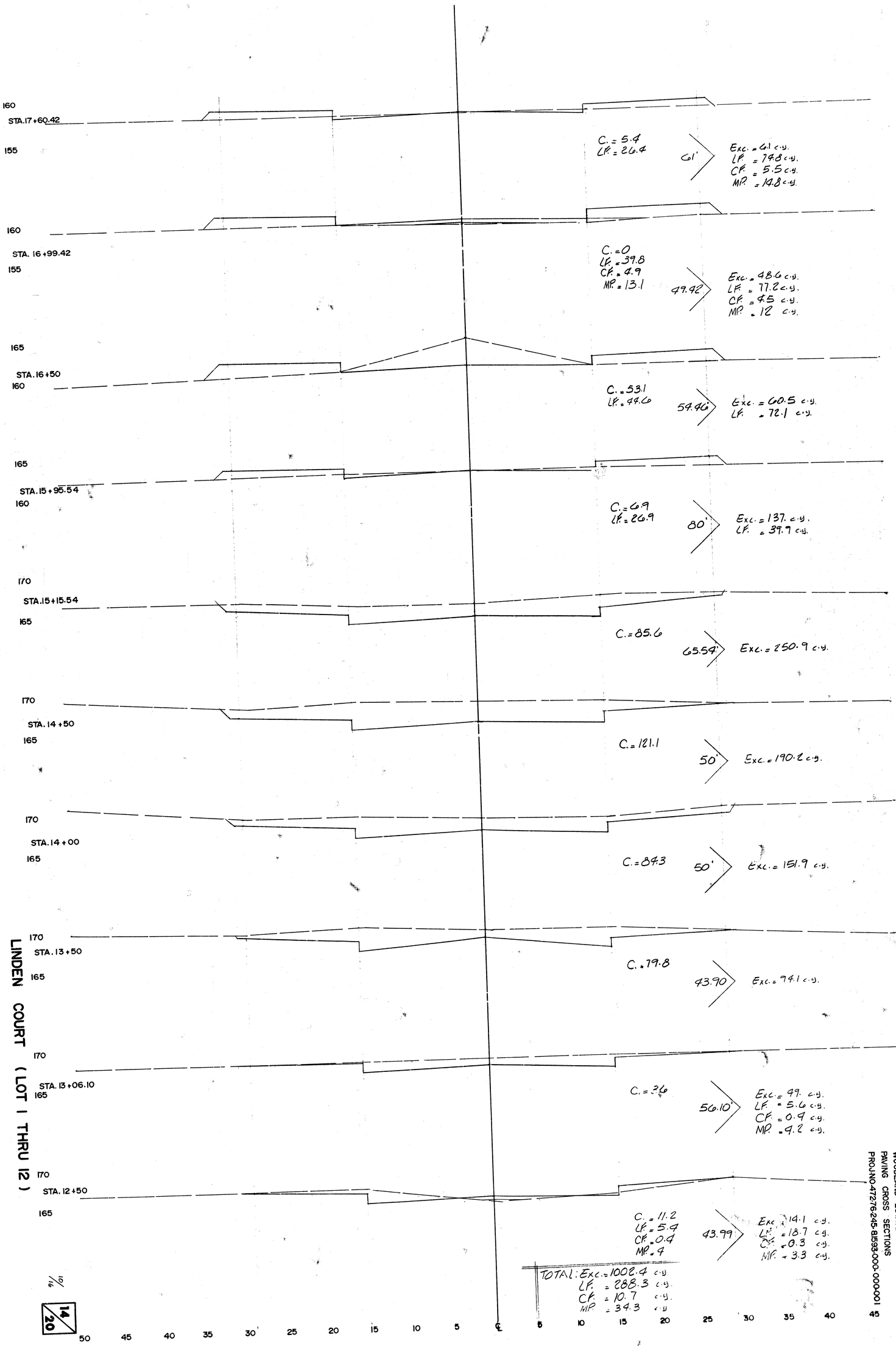
CITY OF WICHITA

LINDEN COURT
LOT 21 THRU 26 BLK. I
PROJECT NO.
472-76-245-81593-000-000-001

Design
Drawn by
Checked by
Date
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 9 of 20



LINDEN COURT (LOT 1 THRU 12)

WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ.NO.472-76-245-81593-000-000001

10/16

14/20

LINDEN COURT (LOT 1 THRU 12)

165
STA. 12+06.01
160

C.=6.1
LF.=17.6

76.27'

Exc.=60.5 c.y.
LF.=33.2 c.y.

165
STA. 11+29.74
160

C.=36.7
LF.=5.9

65.58'

Exc.=109.9 c.y.
LF.=7.2 c.y.

165
STA. 10+64.16
160

C.=53.8

A_T = 2555.67 ϕ'
$Q_{AVG.}$ = 1.425'

Exc.=134.9 c.y.

170
STA. F
160

C.=47

14.20'

Exc.=29.6 c.y.

170
STA. E
160

C.=65.7

14.20'

Exc.=37.8 c.y.

170
STA. D
160

C.=77.9

14.20'

Exc.=35.3 c.y.

170
STA. C
160

C.=56.3

8.67'

Exc.=17.5 c.y.

170
STA. B_1
160

C.=52.7

200.99'

Exc.=49.3 c.y.

170
STA. A
160

C.=47.9

TOTAL: Exc.=4748 c.y.
LF.=90.4 c.y.

50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45

6/11
15/20

WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ.NO.472-76-245-8593-000-000-001

WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ. NO. 472-76-245-81893-000-000-001

LINDEN COURT (LOT 13 THRU 20)

16/20

45 40 35 30 25 20 15 10 5 ℄ 5 10 15 20 25 30 35 40 45 50

STA. 13+73.47
165
160

C. = 54.7

73.47' Exc. = 182.0 c.y.

STA. 13+00
165
160

C. = 92.7

50' Exc. = 70.4 c.y.
Lf = 10.1 c.y.

STA. 12+50
165
160

C. = 33.1
Lf = 10.9

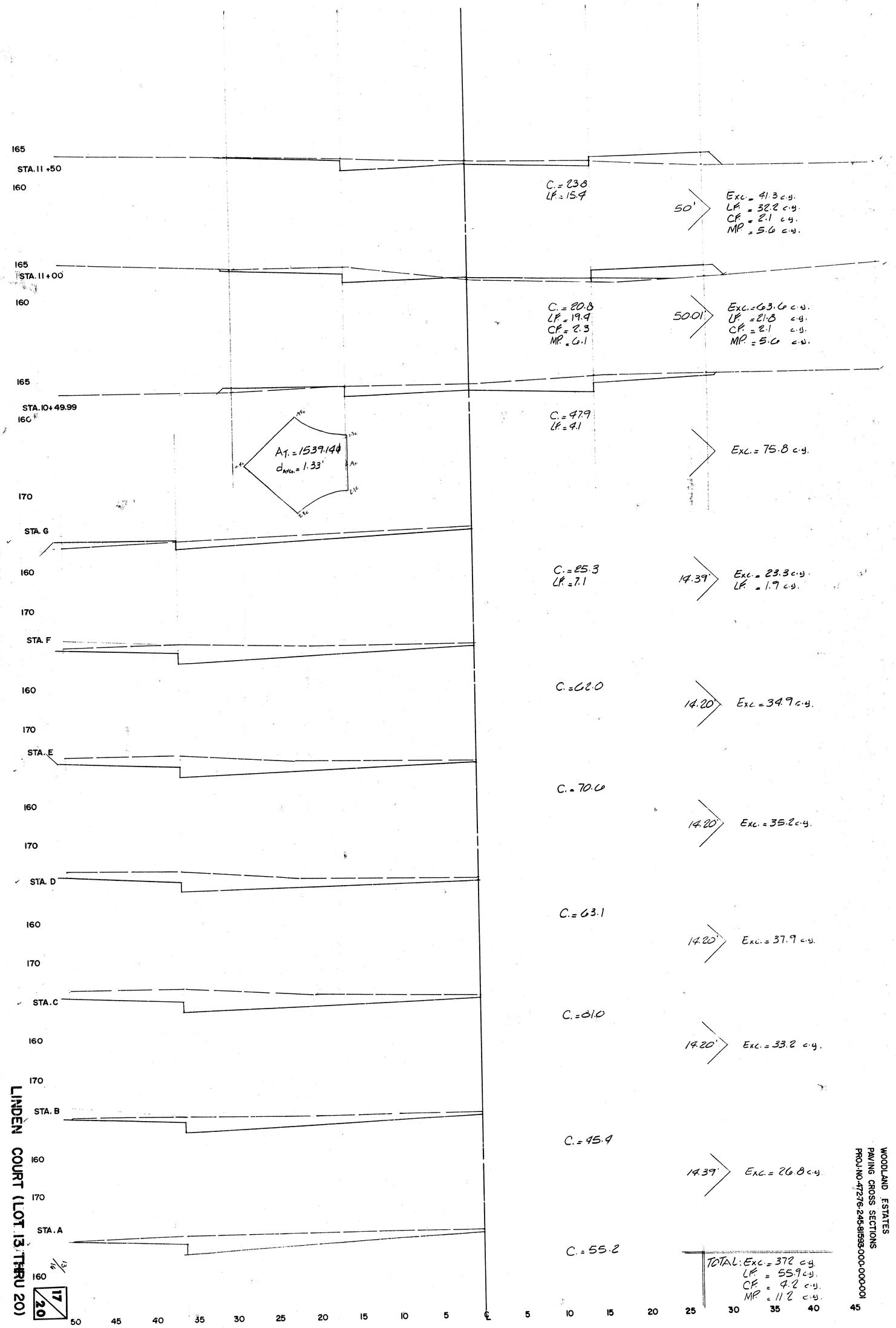
50' Exc. = 57.1 c.y.
Lf = 26.8 c.y.

STA. 12+00
165
160

C. = 28.6
Lf = 18

50' Exc. = 98.5 c.y.
Lf = 30.9 c.y.

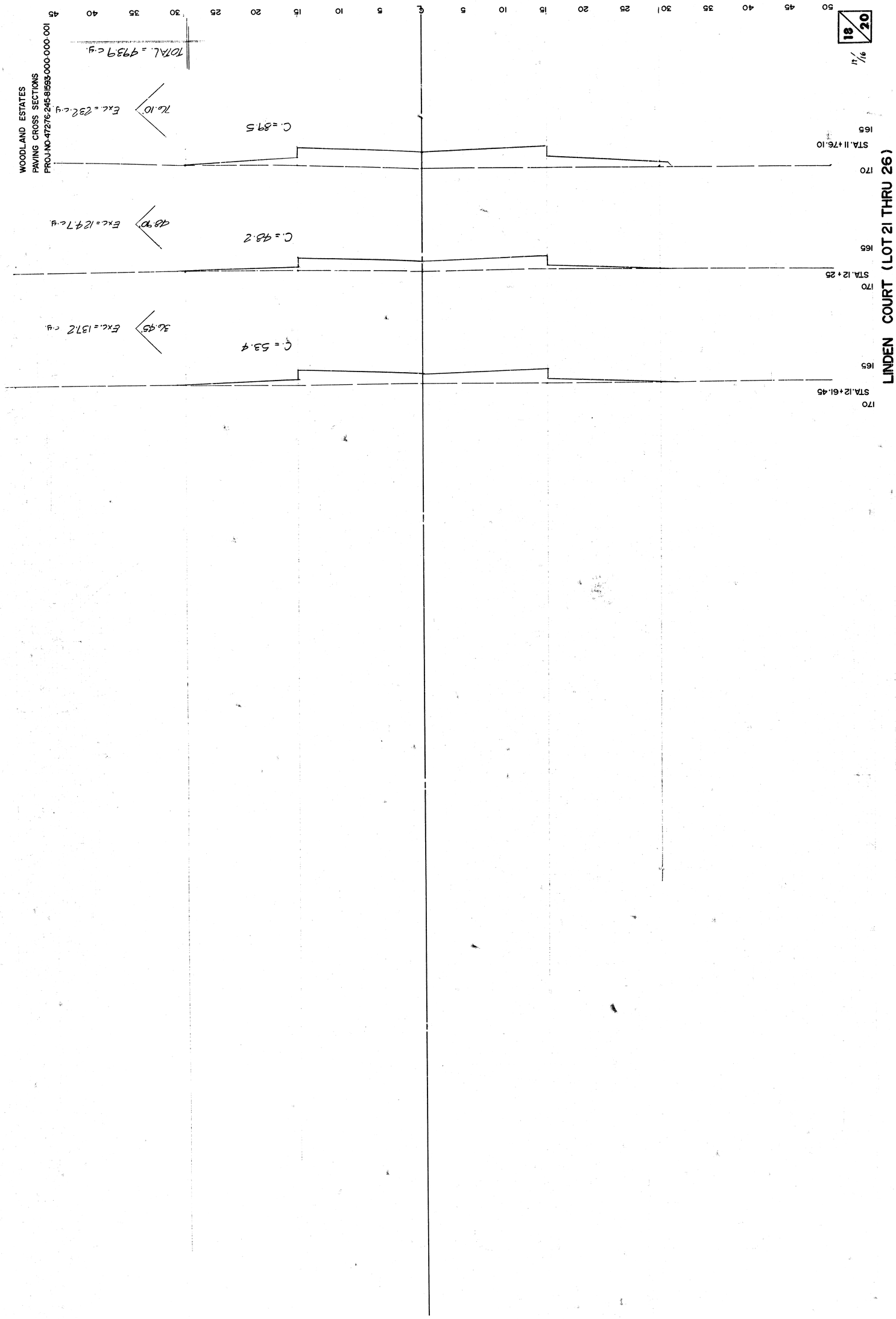
TOTAL Exc. = 306.8 c.y.
Lf = 67.8 c.y.



LINDEN COURT (LOT 13 THRU 20)

17/20

WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ.NO.47276-245-81593.000-000-001


WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ.NO-472-76-245-81593-000-000-001
TOTAL = 493.9 c.y.
76.10' Exc. = 232 c.y.
C. = 89.5
48.90' Exc. = 124.7 c.y.
C. = 48.2
36.45' Exc. = 137.2 c.y.
C. = 53.4
STA. 11+76.10
STA. 12+25
STA. 12+61.45
LINDEN COURT (LOT 21 THRU 26)
18/20
17/16

175

STA. 11+00

165

C. = 75.1

50.01' Exc. = 186 c.y.

175

STA. 10+49.99

165

C. = 60.9

Exc. = 84.9 c.y.

$A_1 = 1539.14\ \text{ft}^2$

$C_{A'16} = 1.99$

175

STA. G

170

C. = 74.1

14.39' Exc. = 83.5 c.y.

175

STA. F

170

C. = 44.2

14.20' Exc. = 28.9 c.y.

175

STA. E

170

C. = 42.7

14.20' Exc. = 20. c.y.

175

STA. D

170

C. = 33.5

14.20' Exc. = 17.1 c.y.
LF. = 2.0 c.y.

175

STA. C

170

C. = 31.6
LF. = 7.5

14.20' Exc. = 16.9 c.y.
LF. = 3.7 c.y.

175

STA. B

170

C. = 32.6
LF. = 6.4

14.39' Exc. = 19.9 c.y.
LF. = 1.7 c.y.

175

STA. A

170

C. = 42.1

TOTAL. = Exc. = 331.2 c.y.
LF. = 7.9 c.y.

LINDEN COURT (LOT 21 THRU 26)

WOODLAND ESTATES
PAVING CROSS SECTIONS
PROJ.NO-472-76-245-8533-000-000001

15/16

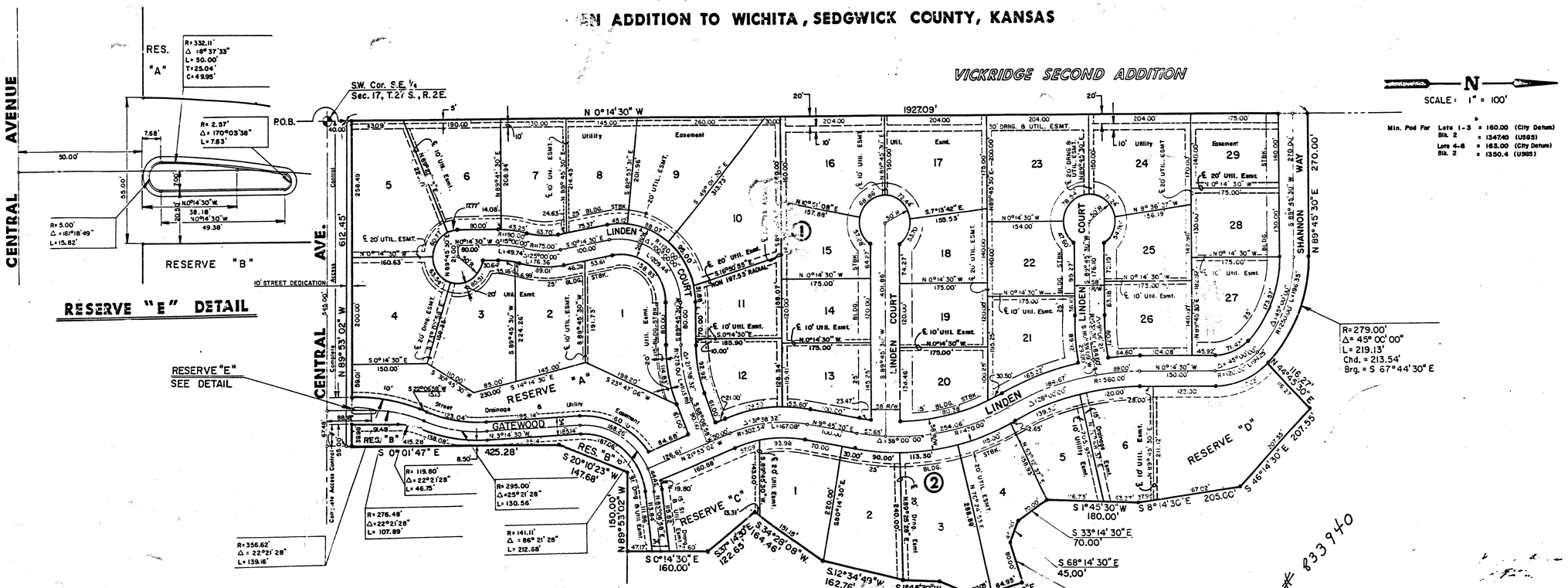
19/20

50 45 40 35 30 25 20 15 10 5 ℄ 5 10 15 20 25 30 35 40 45

FINAL PLAT OF

WOODLAND ESTATES

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "WOODLAND ESTATES" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Reserves, and Streets, the same being accurately set forth in the accompanying plat and described herein:

A tract of land lying in the Southeast Quarter of Section 17, Township 27 South, Range 2 East of the 6th P.M., more particularly described as follows:

Beginning at a point 40.00 feet North and on the West line of said Southeast Quarter; thence N 0° 14' 30" W, 1927.09 feet; thence N 89° 45' 30" E, 270.00 feet to a point on a curve to the right having a central angle of 45° 00' 00", a radius of 279.00 feet, and a long chord of 213.54 feet bearing S 67° 44' 30" E; thence along said curve a distance of 219.13 feet; thence N 44° 45' 30" E, 116.27 feet; thence S 46° 14' 30" E, 207.55; thence S 8° 14' 30" E, 205.00 feet; thence S 1° 45' 30" W, 180.00 feet; thence S 33° 14' 30" E, 70.00 feet; thence S 68° 14' 30" E, 45.00 feet; thence N 71° 45' 30" E, 80.00 feet; thence S 17° 00' 00" E, 95.00 feet; thence S 21° 45' 30" W, 81.02 feet; thence S 12° 34' 49" W, 162.76 feet; thence S 34°28'08" W, 164.46 feet; thence S 37° 14' 30" E, 122.65 feet; thence S 0° 14' 30" E, 160.00 feet; thence N 89° 53' 02" W, 150.00 feet; thence S 20° 10' 23" W, 147.68 feet; thence S 0° 01' 47" E, 425.28 feet to a point 40.00 feet North of the South line of said Southeast Quarter; thence N 89° 53' 02" W, 612.45 feet, parallel with the South line of said Southeast Quarter to the point of beginning.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 20th day of August, 1986.

Kenneth H. Bengtson
Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Building #800

KENNETH H. BENGTSON LICENSED 7238 KANSAS PROFESSIONAL ENGINEER

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers Certificate, have caused the same to be surveyed and platted into lots, blocks, streets and reserves, the same to be known as "WOODLAND ESTATES" an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for the construction and maintenance of street, drainage and public utilities as indicated on the accompanying plat are hereby granted. Reserves "A", "B" & "C" are being platted for construction and maintenance of public utilities, drainage, landscaping, walks, open space and entry monuments. Reserve "E" is platted for landscaping. Reserve "D" is being platted for construction and maintenance of public utilities, drainage, landscaping and irrigation. The Reserves shall be owned and maintained by the Homeowners Association. Minimum pad elevation on Lots 1 through 6 inclusive, Block 2 shall be as indicated on the face of the plat. All abutters right of access to or from the North line of Central Avenue over and across the South lines of Lots 4 and 5 Block 1, Reserve A, and Reserve B of "Woodland Estates" are hereby granted to the City of Wichita.

RITCHIE ASSOCIATES, INC., a Kansas Corporation

By: Jack D. Ritchie
Jack D. Ritchie, President

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this ____ day of ____, 1986, before me a Notary Public in and for said State and County, came Ritchie Associates, Inc., by Jack D. Ritchie, President, 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 notarial seal the day and year above written.

____, Notary Public
Teresa A. Niles
My Appointment Expires: ____

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

Dated this 7th day of August, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

David Sayouth, Vice-Chairman

Michael E. Lindeman, Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Comission of the City of Wichita, Kansas, this 2nd day of September, 1986.

Tony Casado, Mayor

Donald C. Gisick, City Clerk

Entered on transfer record this 22 day of September, 1986.

Don Wright, County Clerk

STATE OF KANSAS)
) SS:
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this 22nd day of September, 1986.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

833940

20.00

C-1 3-28

16/16

20/20