STREET IMPROVEMENTS

FOR

# WESTWIND SECOND ADDITION

## CORNELISON CIR., 20TH ST. CIR., and WESTLAWN CIR.

FROM THE W.L. WOODCHUCK TO, AND INCLUDING CUL-DE-SACS

## PROJECT NO. 472-76-245-81776-000-000-001

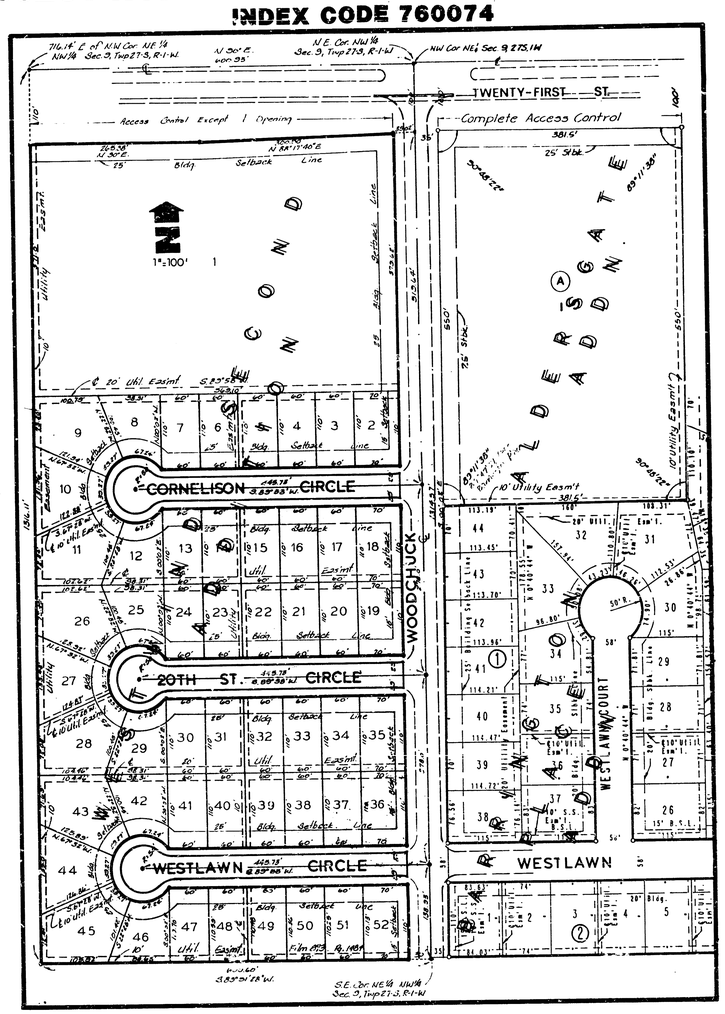
## INDEX CODE 760074

### BENCHMARKS

1. "O" Cut top cb. adjacent to NW Cor. lot 29, Blk. 1, BARRINGTON PLACE ADDITION. Elev. = 155.91 City datum
2. "O" Cut S.W. Cor. of catch basin, E.End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

### GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. 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.
3. No more than 17 drives 18 feet in width, or equivalent combinations thereof, are to constructed with this project.
4. Widened gutter section of combined curb and gutter at intersections will not be paid for directly, and this cost shall be considered as subsidiary to the other contract pay items of work.
5. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
6. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.
7. The Contractor will be permitted to bid only one of the alternate types of subgrade treatment. The type bid by the successful bidder will be the type of subgrade treatment used to construct the project.
8. 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.




☐ IMPROVEMENT DISTRICT

CITY of WICHITA, KANSAS

MICHAEL E. LINDEBAK

CITY ENGINEER

### INDEX of SHEETS


1 ..... TITLE SHEET
2 ..... TYPICAL PAVT. SECTION
3-5 ..... PLAN SHEETS
6-12 ..... EARTHWORK X-SECTIONS
13 ..... FINAL PLAT (COPY)


JULY 27, 1989

TITLE SHEET

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 - 315 ELLIS - WICHITA, KANSAS 67211

| Design: | Drawn: | Approved: | Date: | Scale: | Sheet 1 of 13 |
|---|---|---|---|---|---|
| Riggins | Gonny | | Apr 88 | as noted | |

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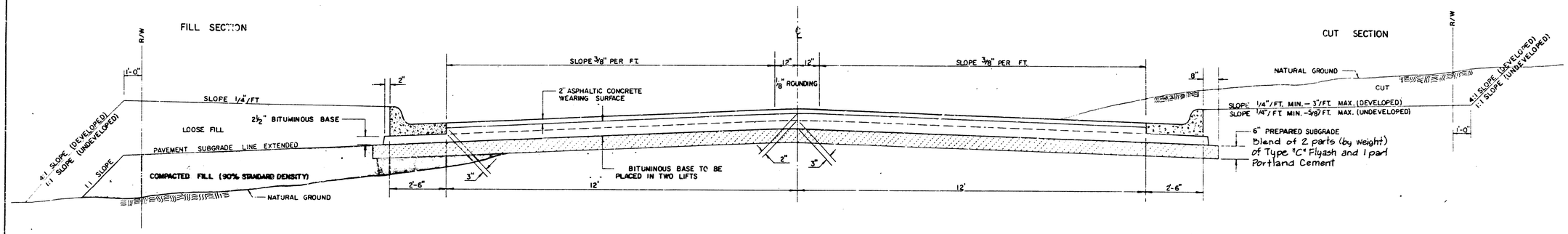
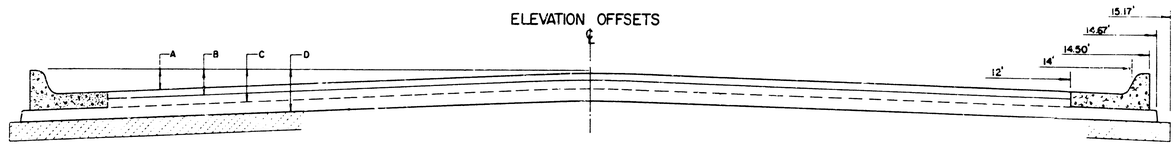
# TYPICAL 29' PAVEMENT DETAILS

## TRANSVERSE SECTION

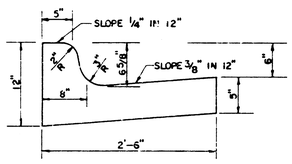



## ELEVATION OFFSETS

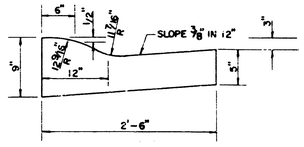



| | DISTANCE FROM CENTERLINE (LT. & RT.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0' | 2' | 4' | 6' | 7' | 8' | 10' | 12' | 14' | 14.5' | 14.67' | 15.17' |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT | 0.13 | 0.18 | 0.24 | 0.30 | 0.33 | 0.36 | 0.43 | 0.49 | — | —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

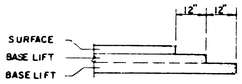
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

472-76-245-81776-000-000-001

2/13

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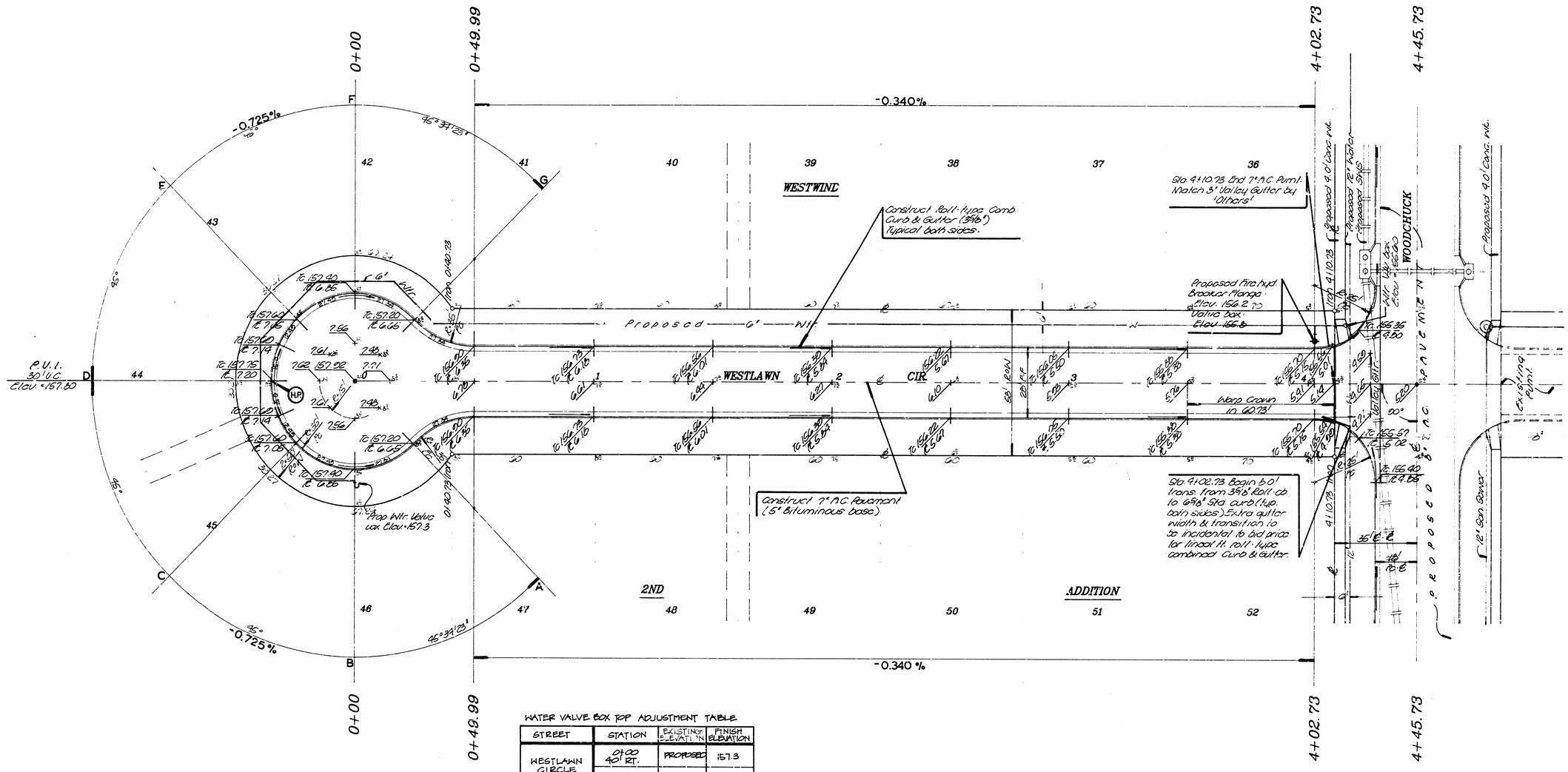
NOTE:
Roll-type Curb & Gutter (3⅝" & 1½")
is to be constructed on this project.




WATER VALVE BOX TOP ADJUSTMENT TABLE

| STREET | STATION | EXISTING ELEVATION | FINISH ELEVATION |
|---|---|---|---|
| WESTLAWN CIRCLE | 0+00 40' RT. | PROPOSED | 157.3 |
| | 4+02.73 10' LT. | PROPOSED | 155.8 |
| 20TH STREET CIRCLE | 0+00 40' RT. | PROPOSED | 158.1 |
| | 4+02.73 10' LT. | PROPOSED | 156.6 |
| CORNELISON CIRCLE | 0+00 40' RT. | PROPOSED | 150.1 |
| | 4+02.73 10' LT. | PROPOSED | 157.6 |

EARTHWORK QUANTITIES

EXCAVATION 2553 Cu. Yds.
COMPACTED FILL 4 Cu. Yds.

Subgrade Manip. 5195 Sq. Yds.

**BENCHMARKS**

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2. "O" Cut S.W. Cor. of catch basin, E. End of NE Return of 19th ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

# WESTLAWN CIRCLE

BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER
472-76-245-81776-000-000-001

SHEET 3 OF 13

| DESIGN | DRAWN | APPROVED | DATE | SCALE |
|---|---|---|---|---|
| TCR | Sonny | | Apr 80 | 1" = 20' |

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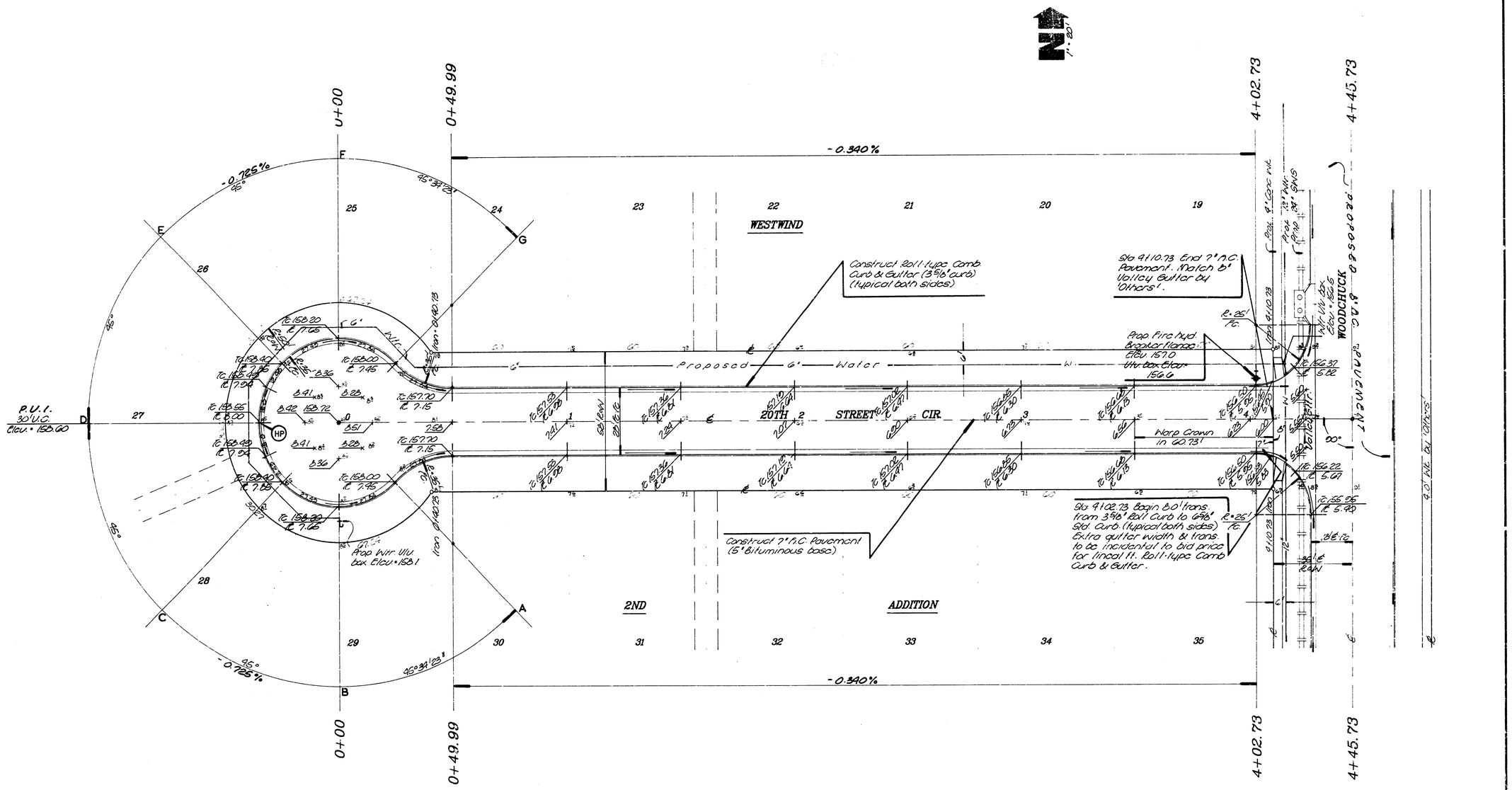
NOTE:
Roll-type curb & gutter (3 5/8" & 1'2")
is to be constructed on this project.




**BENCHMARKS**

1. "a" Cut top cb. adjacent to N.W. Cor. lot 29, Blk. 1, BARRINGTON PLACE ADDITION. Elev. = 155.91 City datum
2. "b" Cut S.W. Cor. of catch basin, E. End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

| | | | | | |
|---|---|---|---|---|---|
| 20TH STREET CIRCLE | | | | | |
| BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211 | | | | | REV. |
| PROJECT NUMBER 476 76 245 81776 000 000 001 | | | | | SHEET 4 OF 13 |
| DESIGN TCR | DRAWN Sonny | APPROVED | DATE Mar 80 | SCALE 1" = 20' | |

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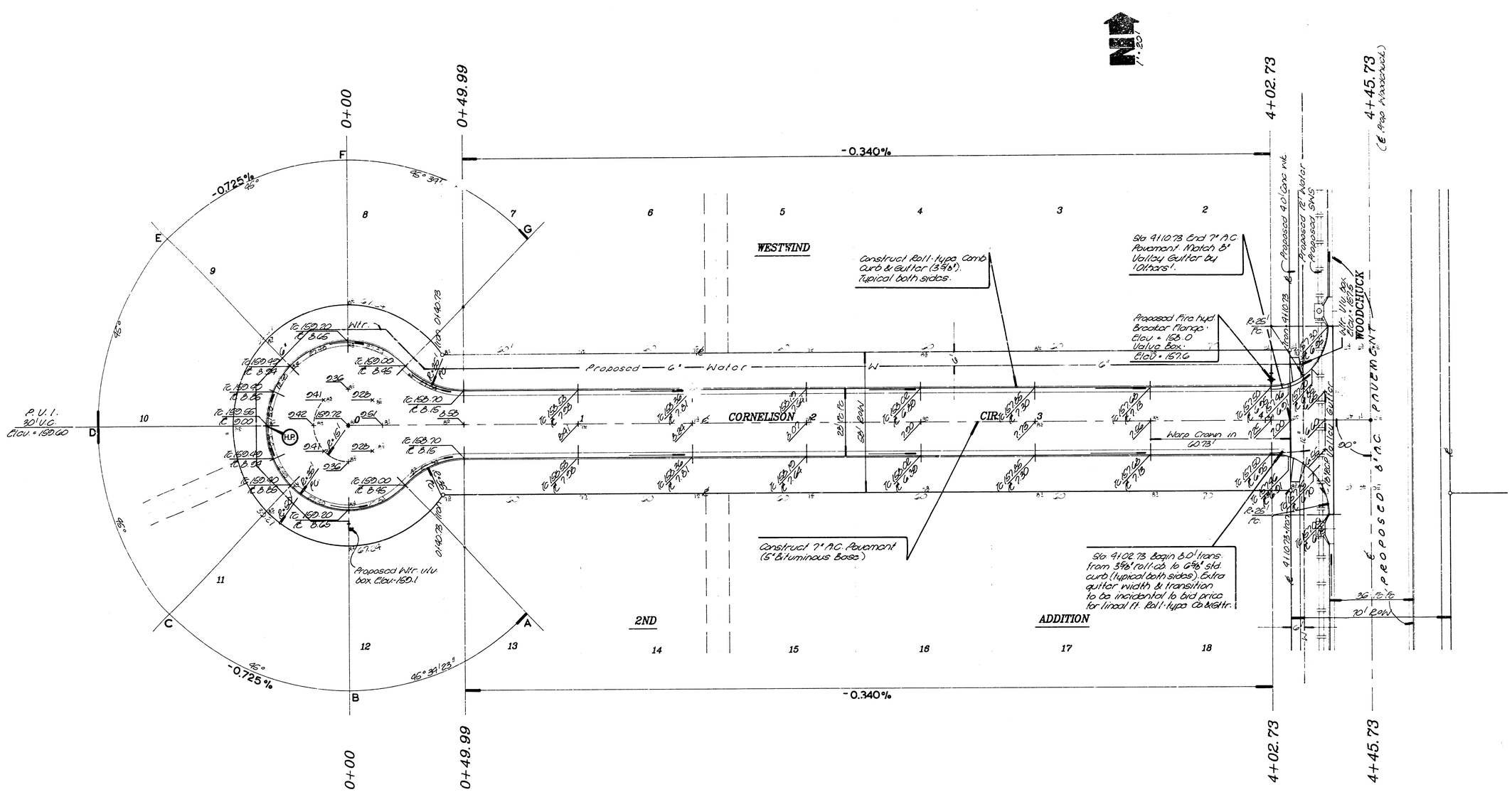
NOTE:
Roll-type Curb & Gutter (3'6" & 1'6")
is to be used on this project.




**BENCHMARKS**

1. "□" Cut top cb. adjacent to NW Cor. lot 29, Blk. 1, BARRINGTON PLACE ADDITION. Elev. = 155.91 City datum
2. "□" Cut SW. Cor. of catch basin, E. End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Int. section 21st ST. at Woodchuck.) Elev. = 162.70 City datum

| CORNELISON CIRCLE | | | | | |
|---|---|---|---|---|---|
| BAUGHMAN COMPANY P. A.<br>SURVEYING & ENGINEERING<br>316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211 | | | | | REV. |
| PROJECT NUMBER<br>472-76-245-81776-000-000-001 | | | | | SHEET 5 OF 13 |
| DESIGN TCR | DRAWN Sonny | APPROVED | DATE Apr. 80 | SCALE 1" = 20' | |

FILMED FROM THE BEST AVAILABLE COPY

160

155

Sta. OG

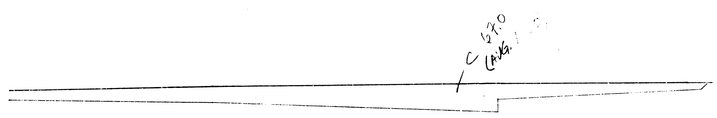
AREA:

$EXC = \left(\frac{51.5+51.3}{2}\right)^2 (\pi)\left(\frac{45°36'23''}{360°}\right) = 1050.71\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 51.2 CY | 0 | 0 | 0 |

160

155




Sta. OF

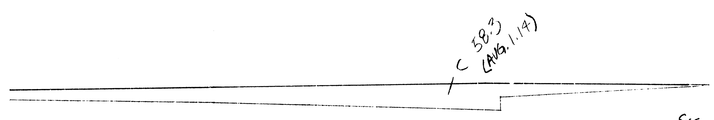
AREA:

$EXC = \left(\frac{51.2+51.5}{2}\right)^2 (\pi)\left(\frac{45°}{360°}\right) = 1035.48\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 41.8 CY | 0 | 0 | 0 |

160

155




Sta. OE

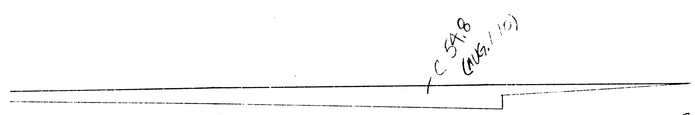
AREA:

$EXC = \left(\frac{50+51.2}{2}\right)^2 (\pi)\left(\frac{45°}{360°}\right) = 1005.45\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 41.7 CY | 0 | 0 | 0 |

160

155




Sta. OD

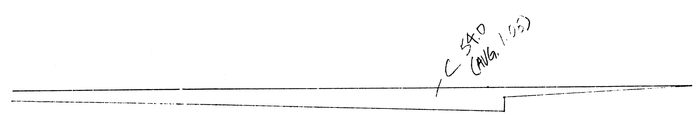
AREA:

$EXC = (50)^2 (\pi)\left(\frac{45°}{360°}\right) = 981.75\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 39.6 CY | 0 | 0 | 0 |

160

155




Sta. OC

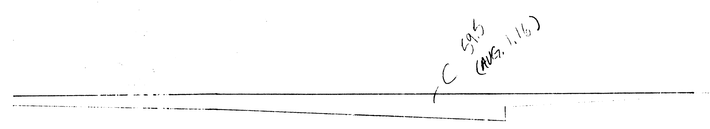
AREA:

$EXC = \left(\frac{51.2+50}{2}\right)^2 (\pi)\left(\frac{45°}{360°}\right) = 1005.45\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 41.7 CY | 0 | 0 | 0 |

160

155

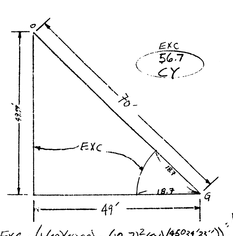



Sta. OB

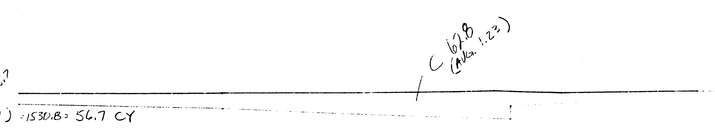
AREA:

$EXC = (51.2)^2 (\pi)\left(\frac{45°36'23''}{360°}\right) = 1092.55\ \square'$

| EXC | MF | CF | LF |
|---|---|---|---|
| 46.1 CY | 0 | 0 | 0 |




160

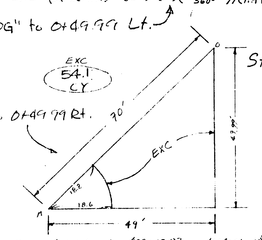



155

$EXC = \left(\frac{1}{2}(49)(49.99)\right) - \left((18.7)^2(\pi)\left(\frac{45°36'23''}{360°}\right)\right)(1.41) = 1530.8 = 56.7\ CY$

"OG" to 0+49.99 Lt.

Sta. OA




Westlawn Circle

0 10 20 30 40 50

| EXC | MF | CF | LF |
|---|---|---|---|
| 377.9 CY | 0 | 0 | 0 |

$EXC = \left(\frac{1}{2}(49)(49.99)\right) - \left(\left(\frac{108.1-18.6}{2}\right)^2(\pi)\left(\frac{45°36'23''}{360°}\right)\right)(1.345) = 1460.2 = 54.1\ CY$



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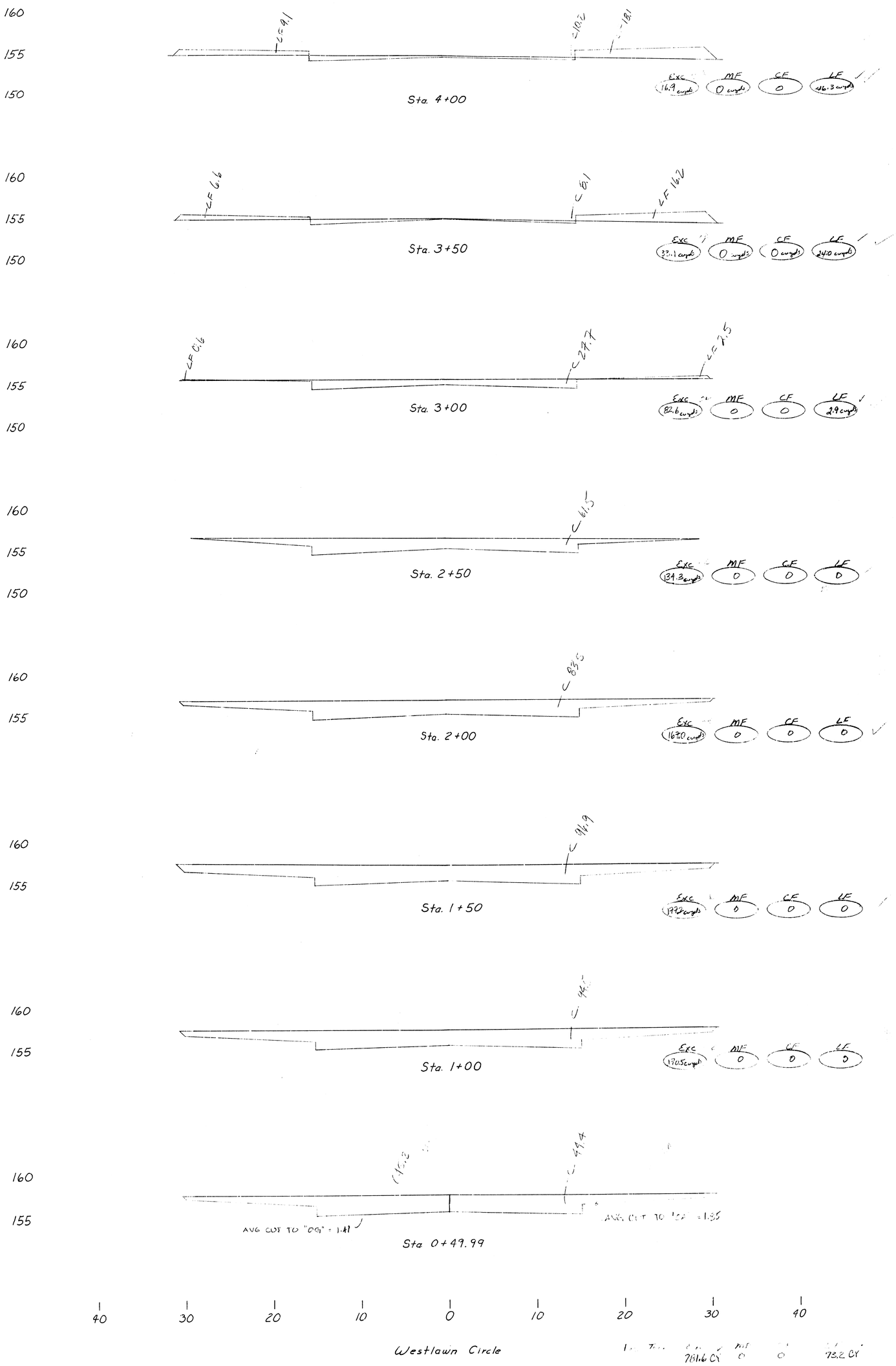


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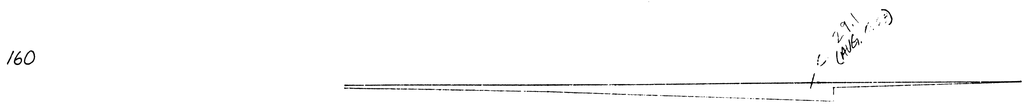
AREA:

EXC = $((50)^2)(\pi)(\frac{45°}{360°}) = 981.75$ □′

| EXC | MF | CF | LF |
|---|---|---|---|
| 29.4 CY | 0 CY | 0 | 0 |

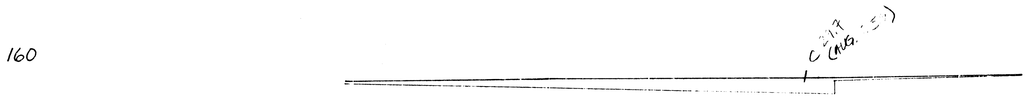



Sta. OE

| EXC | MF | CF | LF |
|---|---|---|---|
| 29.4 CY | 0 CY | 0 | 0 |

AREA:

EXC = $((50)^2)(\pi)(\frac{45°}{360°}) = 981.75$ □′

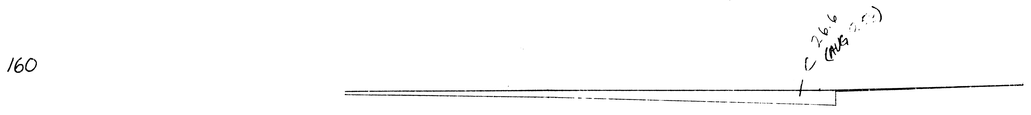



Sta. OD

| EXC | MF | CF | LF |
|---|---|---|---|
| 29.4 CY | 0 CY | 0 | 0 |

AREA

EXC = $((50)^2)(\pi)(\frac{45°}{360°}) = 981.75$ □′

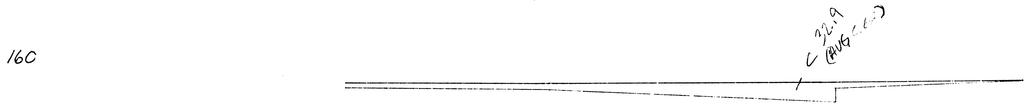



Sta. OC

| EXC | MF | CF | LF |
|---|---|---|---|
| 29.6 CY | 0 CY | 0 | 0 |

AREA:

EXC = $((50)^2)(\pi)(\frac{45°}{360°}) = 981.75$ □′

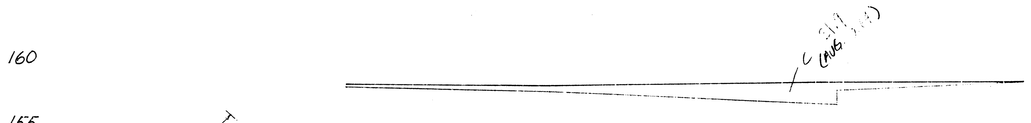


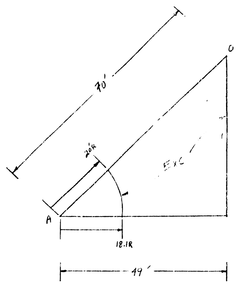

Sta. OB

| EXC | MF | CF | LF |
|---|---|---|---|
| 32.9 CY | 0 CY | 0 | 0 |

AREA:

EXC = $((50)^2)(\pi)(\frac{45°36'23''}{360°}) = 994.25$ □′

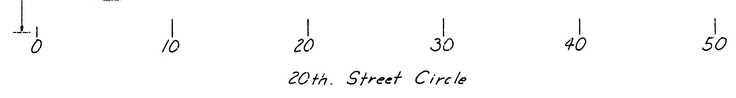


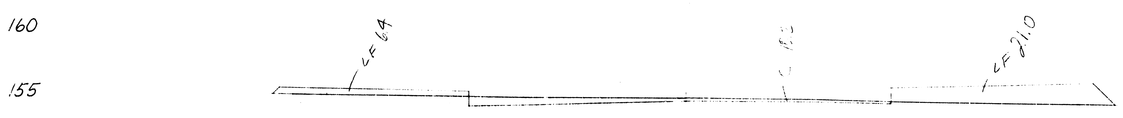




Sta. OA

EXC = $(\frac{1}{2}(49)(70.71)) - \frac{1}{4}((\frac{2.5+10}{2})^2(\pi)(\frac{45°36'23''}{360°}))(0.815)$
1030.42

| EXC |
|---|
| 32.6 CY |




Sta. 4+10.73

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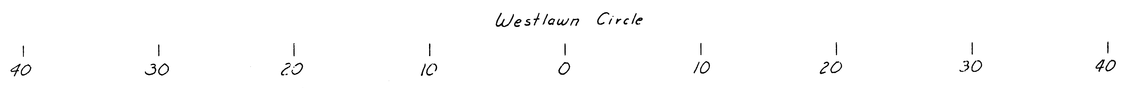
| 4.1 cu yd | 0 cu yd | 0 | 10.8 cu yd |




| | | MF | CF | LF |
|---|---|---|---|---|
| | 1.1-1.5 CY | 0 | 0 | 10.8 CY |



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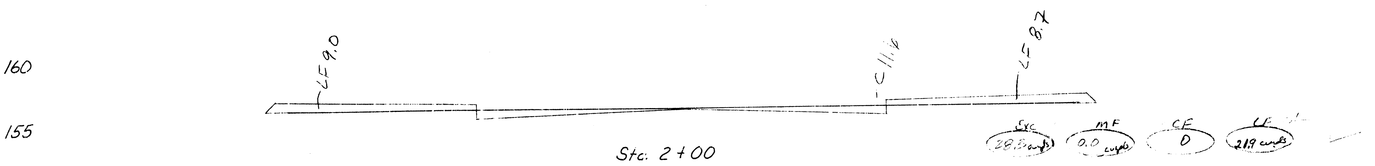
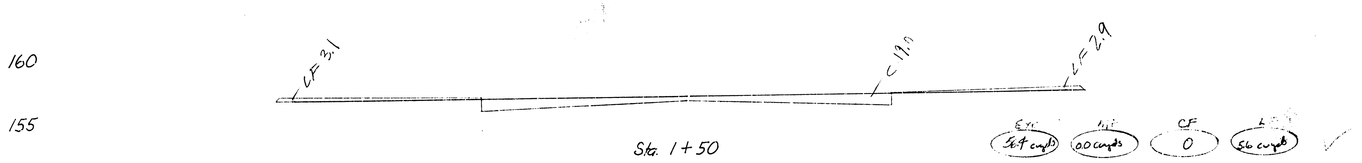
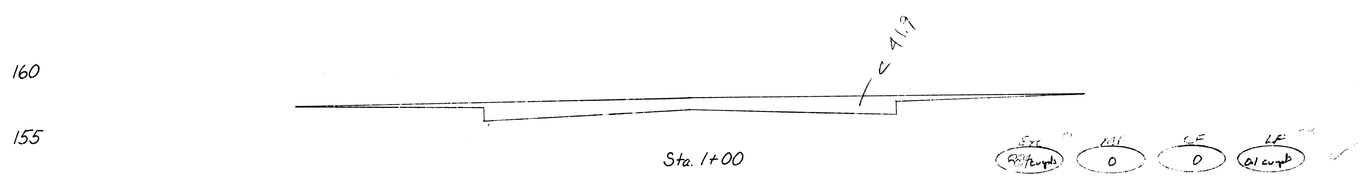
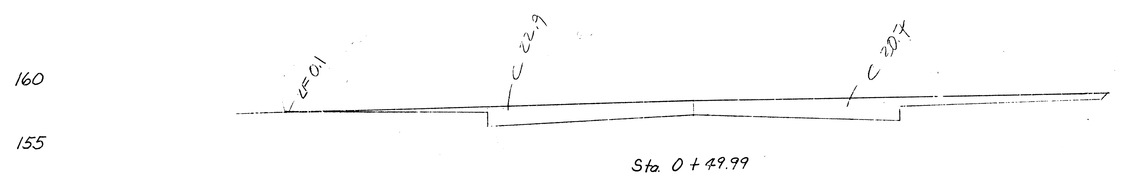
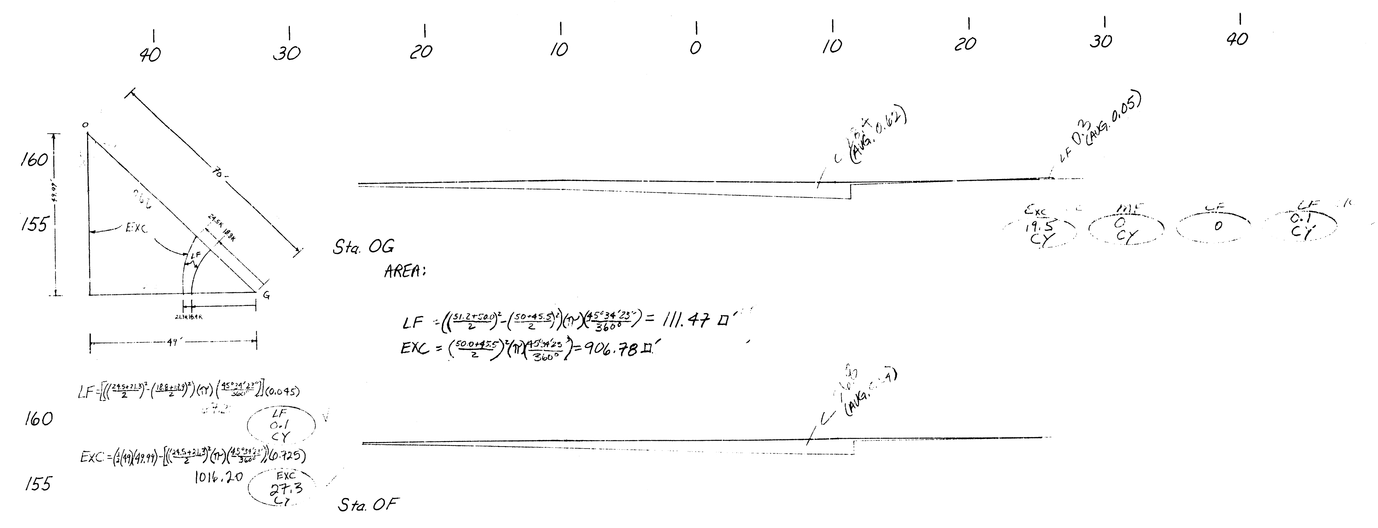



20th. St. Circle




20th. St. Circle

| Page Total | EXC | MF | CF | LF |
|---|---|---|---|---|
| | 219.9 CY | 0 | 0 | 27.8 CY |



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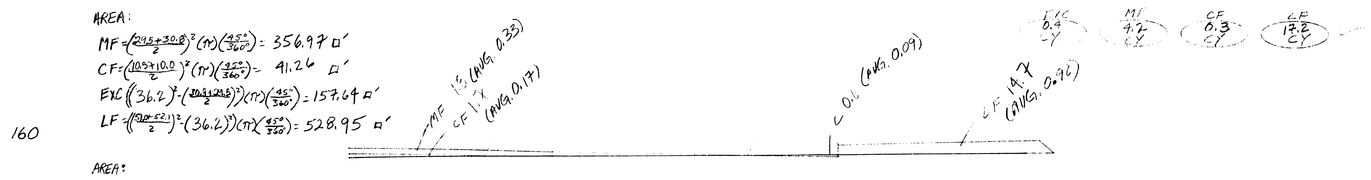
AREA:

MF = $\left(\frac{29.5+30.8}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 356.97 □′

CF = $\left(\frac{10.5+10.0}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 41.26 □′

EXC = $\left((36.2)^2-\left(\frac{20.4+20.8}{2}\right)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 157.64 □′

LF = $\left(\left(\frac{52.8+52.1}{2}\right)^2-(36.2)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 528.95 □′



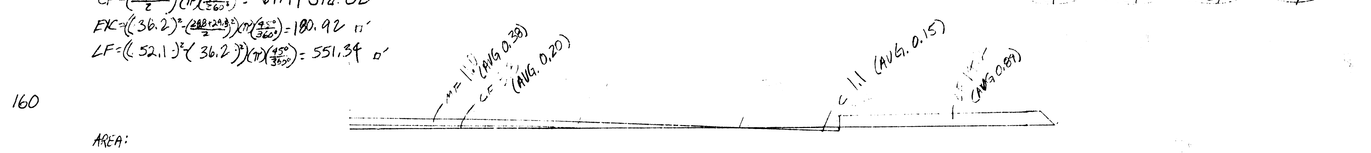

AREA:

155 MF = $\left(\frac{28.8+29.5}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 333.69 □′

CF = $\left(\frac{16.7+10.0}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 69.99 □′ Sta. OD

EXC = $\left((36.2)^2-\left(\frac{28.8+29.5}{2}\right)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 180.92 □′

LF = $\left((52.1)^2-(36.2)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 551.34 □′



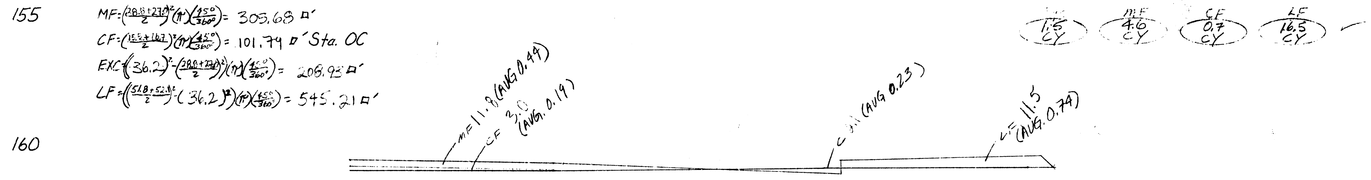

AREA:

155 MF = $\left(\frac{28.8+23.8}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 303.68 □′

CF = $\left(\frac{16.5+16.7}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right)$ = 101.79 □′ Sta. OC

EXC = $\left((36.2)^2-\left(\frac{28.8+23.8}{2}\right)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 208.93 □′

LF = $\left(\left(\frac{52.8+52.1}{2}\right)^2-(36.2)^2\right)(\pi)\left(\frac{45°}{360°}\right)$ = 545.21 □′



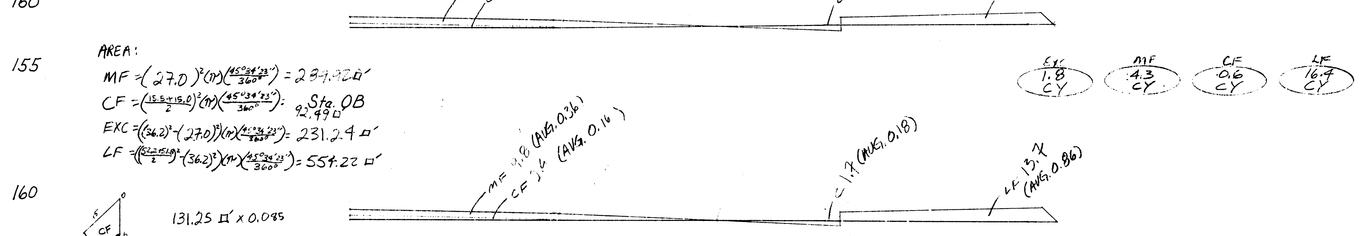

AREA:

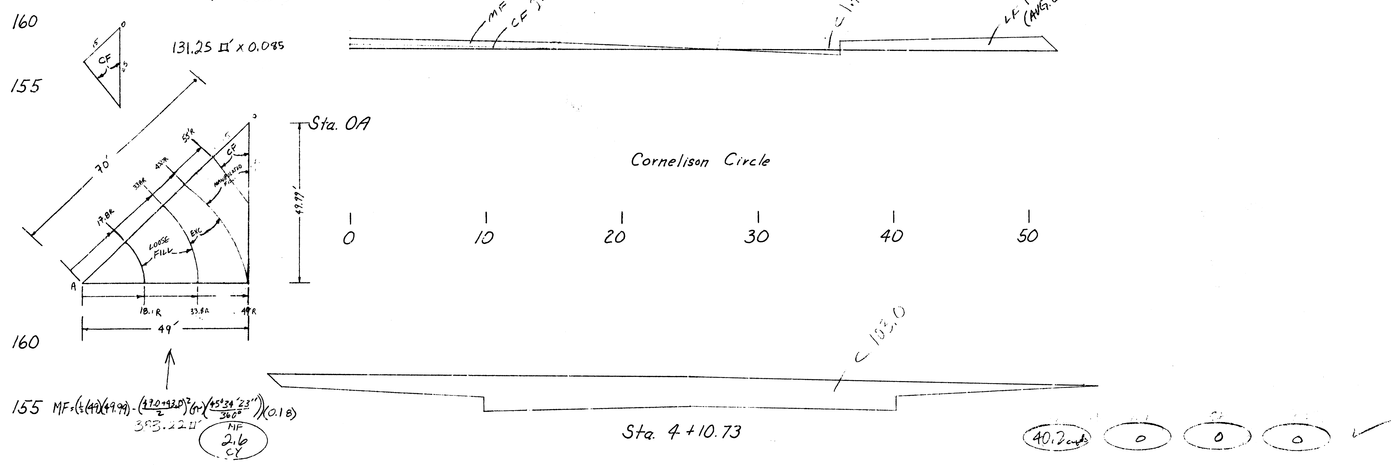
155 MF = $(27.0)^2(\pi)\left(\frac{45°24'23''}{360°}\right)$ = 289.22 □′

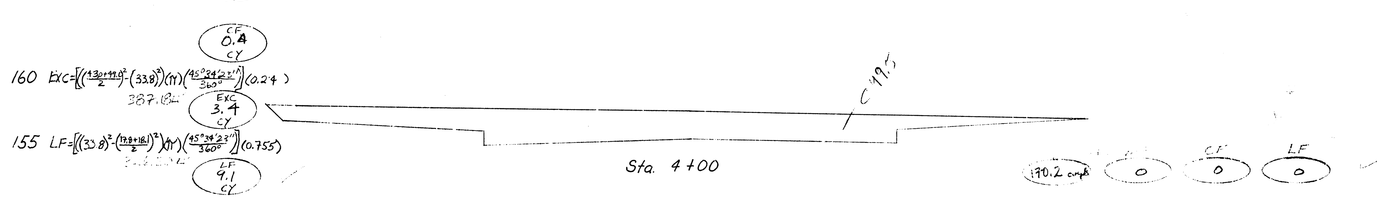
CF = $\left(\frac{15.5+15.0}{2}\right)^2(\pi)\left(\frac{45°24'23''}{360°}\right)$: 92.49 □′ Sta. OB

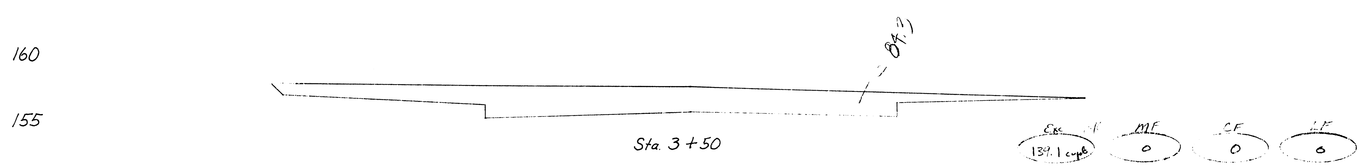
EXC = $\left((36.2)^2-(27.0)^2\right)(\pi)\left(\frac{45°24'23''}{360°}\right)$ = 231.24 □′

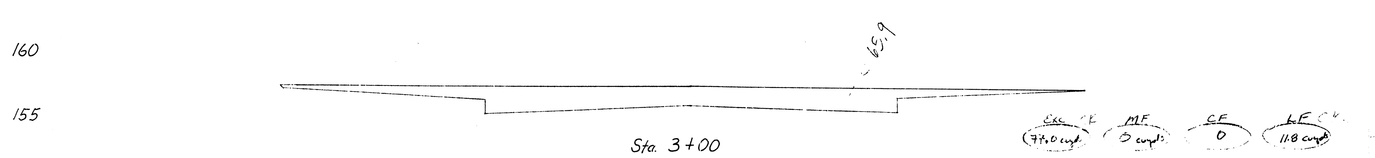
LF = $\left(\left(\frac{52.8+51.8}{2}\right)^2-(36.2)^2\right)(\pi)\left(\frac{45°24'23''}{360°}\right)$ = 554.22 □′

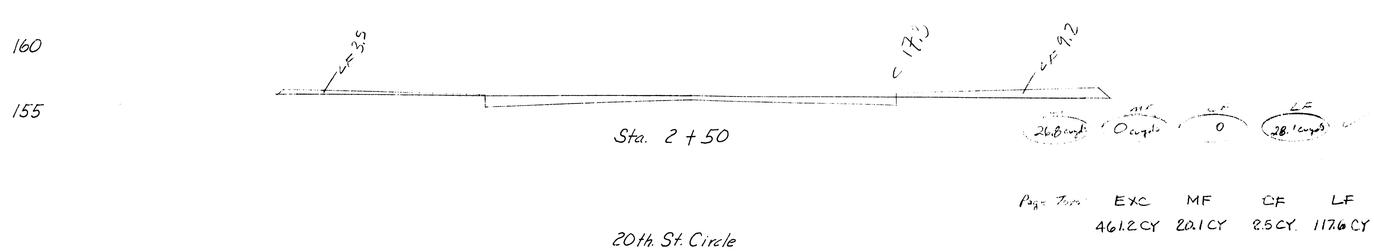



| Page Total | EXC | MF | CF | LF |
|---|---|---|---|---|
| | 461.2 CY | 20.1 CY | 2.5 CY | 117.6 CY |



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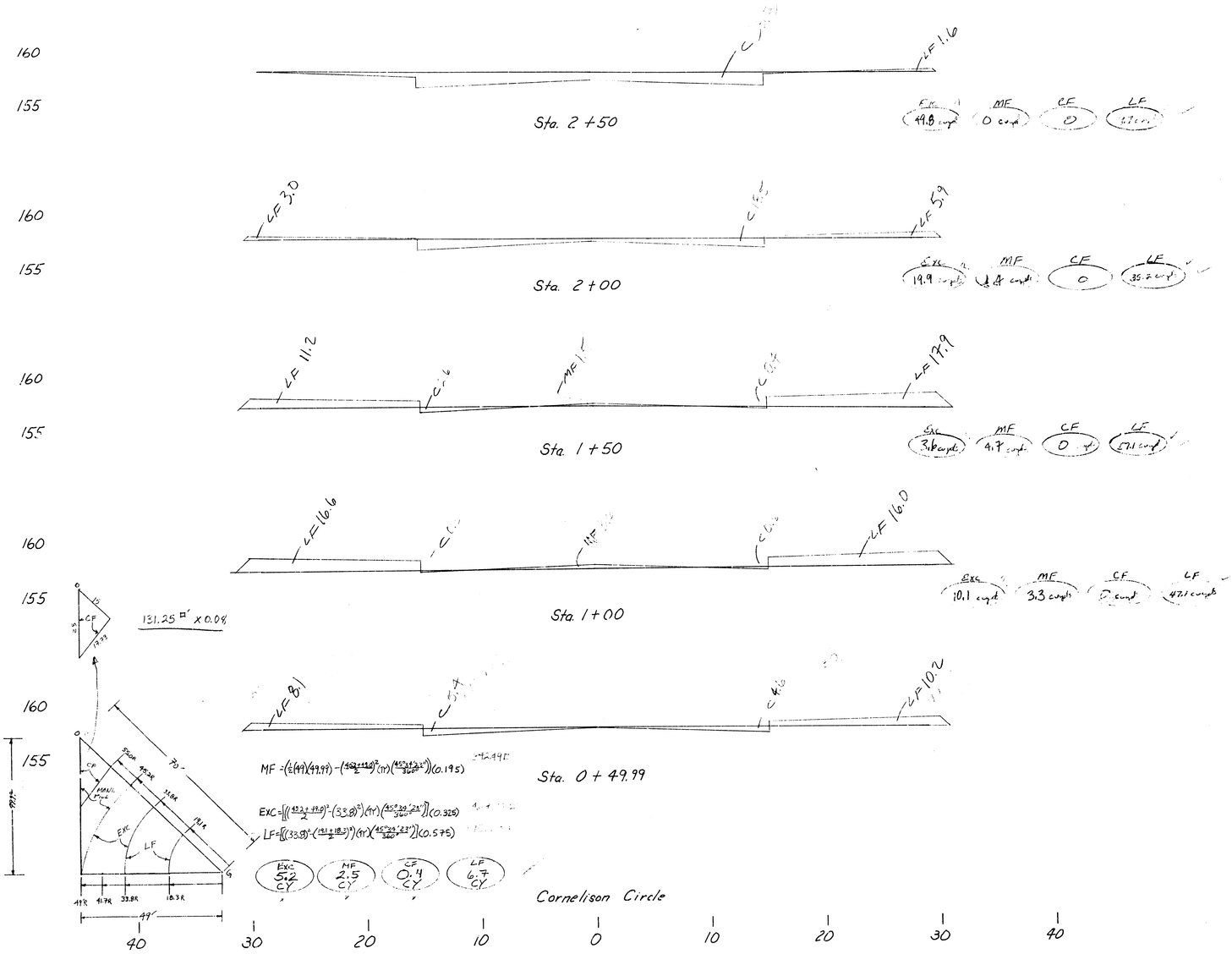
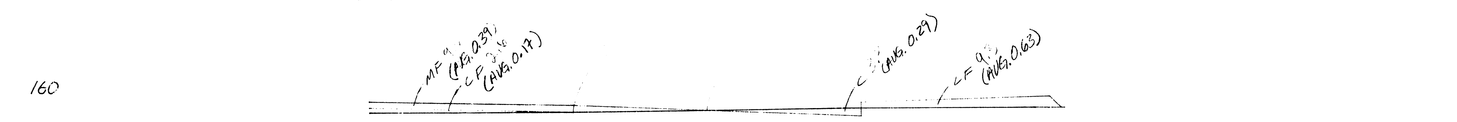



AREA:

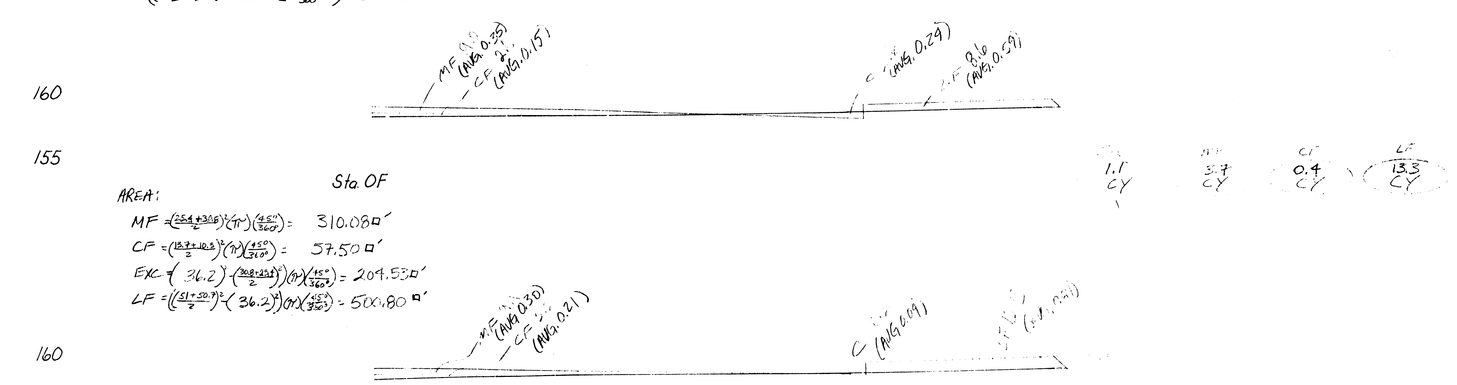
$MF = \left(\frac{24.8+25.4}{2}\right)^2(\pi)\left(\frac{45°39'22"}{360°}\right) = 250.55\ \square'$

Sta. 0G

$CF = \left(\frac{15.2+15.2}{2}\right)^2(\pi)\left(\frac{45°39'22"}{360°}\right) = 81.90\ \square'$

$EXC = \left((36.2)^2 - \left(\frac{24.8+25.4}{2}\right)^2\right)(\pi)\left(\frac{45°39'22"}{360°}\right) = 270.61\ \square'$

$LF = \left(\left(\frac{50.7+50.9}{2}\right)^2 - (36.2)^2\right)(\pi)\left(\frac{45°39'22"}{360°}\right) = 505.16\ \square'$




Sta. 0F

AREA:

$MF = \left(\frac{25.4+30.6}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right) = 310.08\ \square'$

$CF = \left(\frac{15.2+15.2}{2}\right)^2(\pi)\left(\frac{45°}{360°}\right) = 57.50\ \square'$

$EXC = \left((36.2)^2 - \left(\frac{30.6+25.4}{2}\right)^2\right)(\pi)\left(\frac{45°}{360°}\right) = 204.53\ \square'$

$LF = \left(\left(\frac{51+50.7}{2}\right)^2 - (36.2)^2\right)(\pi)\left(\frac{45°}{360°}\right) = 500.80\ \square'$

Sta. 0E

| | EXC | MF | CF | LF |
|---|---|---|---|---|
| Tot. | 32.4 CY | 19.0 CY | 1.3 CY | 150.5 CY |

Cornelison Circle

0 10 20 30 40 50

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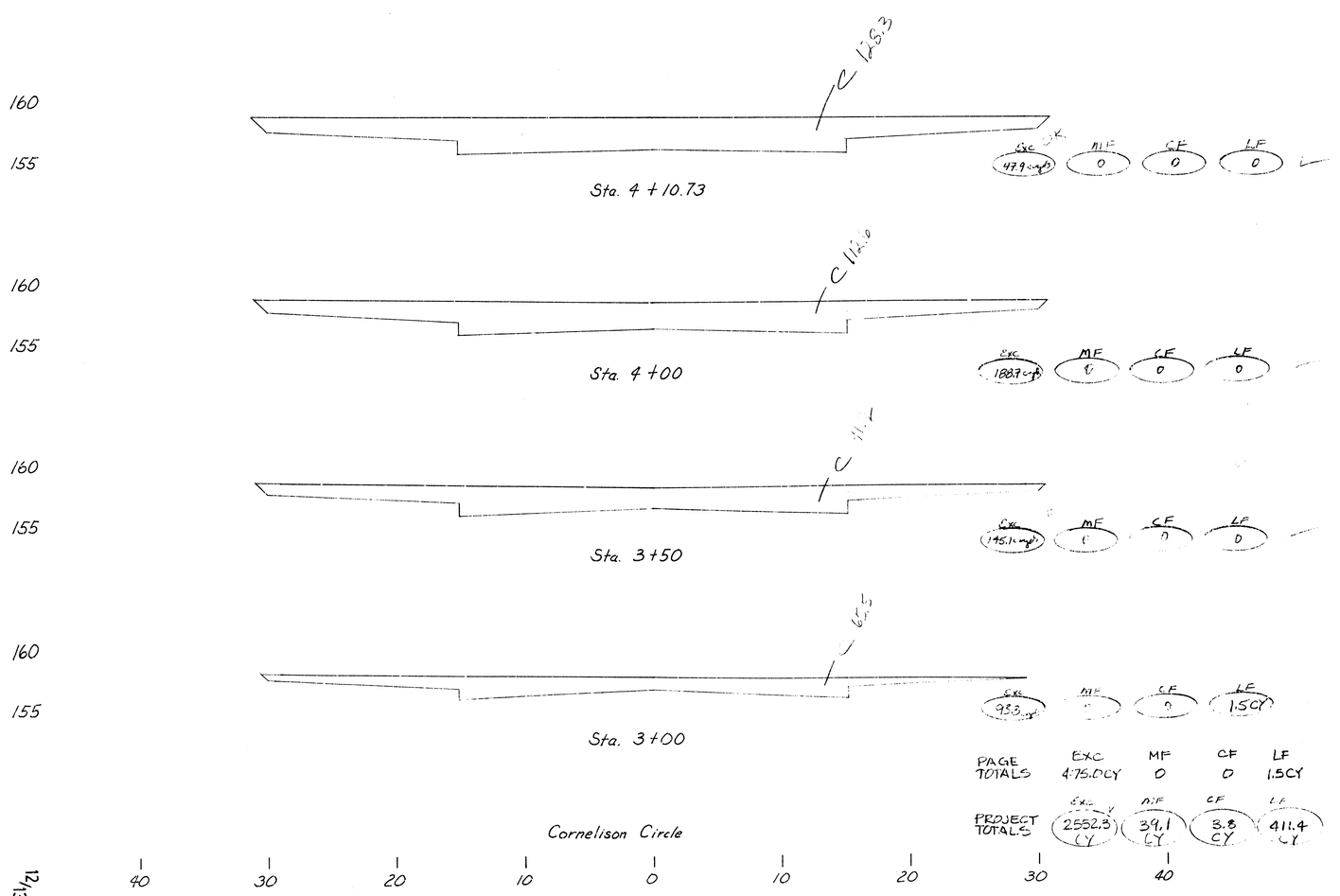




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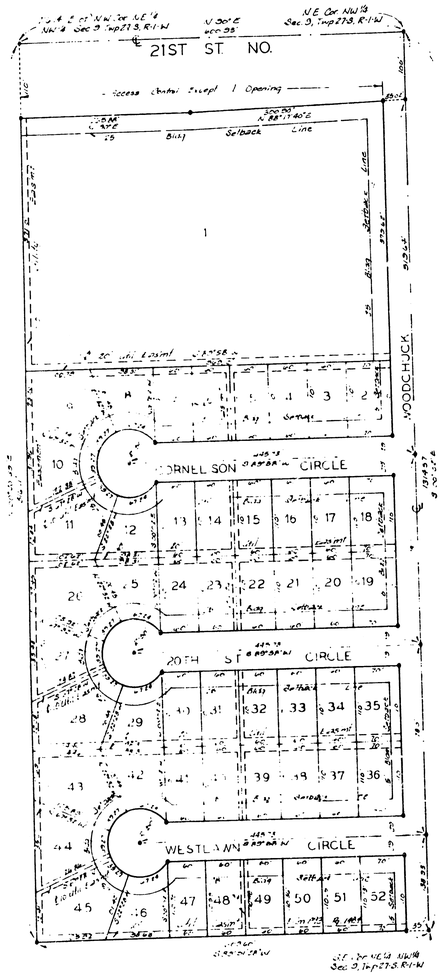
D 5-29

# WESTWIND 2ND ADDITION

WICHITA, KANSAS




State of Kansas } S.S.
Sedgwick County }

We, Baughman Company, P.A. Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "WESTWIND 2ND ADDITION" Wichita, Kansas; and that the accompanying plat is a true and correct exhibit of the property surveyed, described as the NE¼ of the NW¼ of Sec. 9, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas except that part described as beginning at the N.W. Corner of the NE¼, NW¼ of said Sec. 9; thence bearing N 90°00'00"E along the North line of said NW¼ a distance of 716.14 feet; thence bearing S 00°20'39"W a distance of 1316.11 feet to a point on the South line of the NE¼ of said NW¼; thence bearing S 89°51'28"W a distance 724.80 feet to the S.W. Corner of the NE¼ of said NW¼; thence bearing N 00°43'15"E a distance of 1318.00 feet to the point of beginning.

11 Dec 1987
Date

Baughman Company, P.A.
Mark A. Savey
Surveyor

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into lots and streets to be known as "WESTWIND 2ND ADDITION" Wichita, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The streets are hereby dedicated to and for the use of the public. A 1' shutters rights of access to or from 21st St. No over and across the north line of lot 1 are hereby granted to the City of Wichita, provided however that lot 1 shall have access to 21st St. No at one point as shall be determined by the City Engineer of Wichita, Kansas.

Alta Vista Development Company, a Kansas General Partnership

Leonard L. Marotte
General Partner

State of Kansas } S.S.
Sedgwick County }

The foregoing instrument was acknowledged before me this ___ day of ___ 198__ by Leonard L. Marotte, General Partner of Alta Vista Development Company, a Kansas General Partnership, on behalf of the partnership.

Sandra K. Potter
Notary Public

My Appt Exp ___

This plat of "WESTWIND 2ND ADDITION" Wichita, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas

Dated this 11th day of December 1986

Wichita-Sedgwick County Metropolitan Area Planning Commission

John Terry Moore
Chairman

Marvin S. Krout
Secretary

This plat approved and all dedications shown hereon accepted by the Board of Commissioners of the City of Wichita, Kansas, this ___ day of ___ 198__

Robert G. Knight
Mayor

Dale E. Rea
Deputy City Clerk

Entered on transfer record this ___ day of ___ 198__

Don Wright
Asst. Co. Clerk

State of Kansas } S.S.
Sedgwick County }

This is to certify that the [illegible] from [illegible] Kansas this 23rd day of FEBRUARY [illegible] 8:00 o'clock A.M. and is duly [illegible]

Pat Little
Pat Little
Sheriff

Ed Rea
Ed Rea
Deputy

#932715

We, the undersigned, [illegible] mortgage on the above described property, [illegible] consent to the plat of "WESTWIND 2ND ADDITION" [illegible] Kansas

Federal Deposit Insurance Corporation as receiver for Boulevard State Bank

Lynn T. Leffert

State of Kansas } S.S.
Sedgwick County }

The foregoing instrument acknowledged before me this 23rd day of December 1987 by Lynn Leffert, [illegible] of Federal Deposit Insurance Corporation, on behalf of the corporation.

S.G. Erwin
Notary Public

My Appt Exp 10-11-88

20.00

D 5-29

PLAT COPY

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
315/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

| Design: | Drawn: | Approved: | Date: | Scale: | Sheet: 13 of: 13 |
|---|---|---|---|---|---|

Project Number:

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