Street Improvements for

# BLUFF STREET

From N.L. of 21st. to N.L. of PHI DELTA THETA Addition

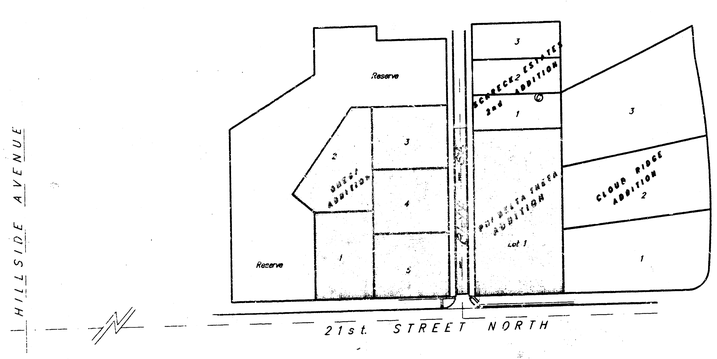
**Index Code 760694**

Project No.

## 472-76-245-82064-000-000-001

City of Wichita, Kansas - Michael E. Lindebak, City Engineer

Scale: 1" = 150'




## Benefit District

## Index


1. Cover Sheet
2. Pavement Details
3. Valley Gutter Details
4. Street Plan
5. Earthwork Sheet
6. Omega Addition Plat
7. Phi Delta Theta Addition Plat


## 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. A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed 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 the surface or pavement.

3. 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. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

4. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

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. 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.

7. The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.

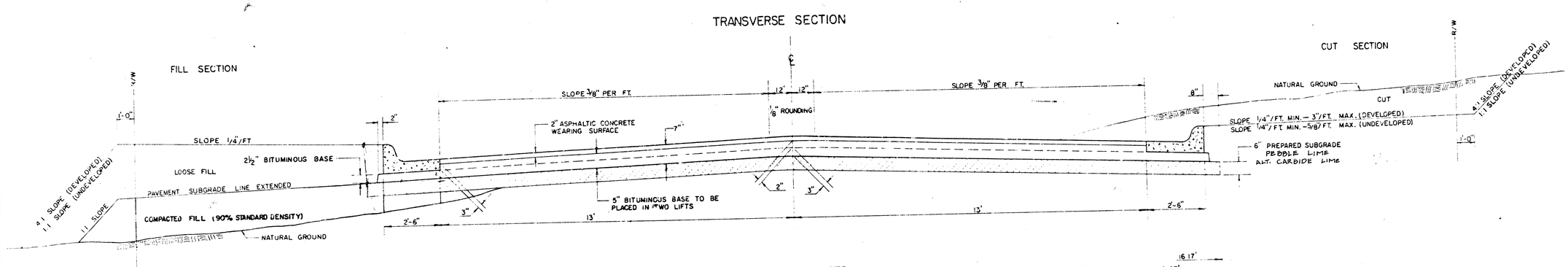
8. No additional driveways are to be constructed as part of this project.

1

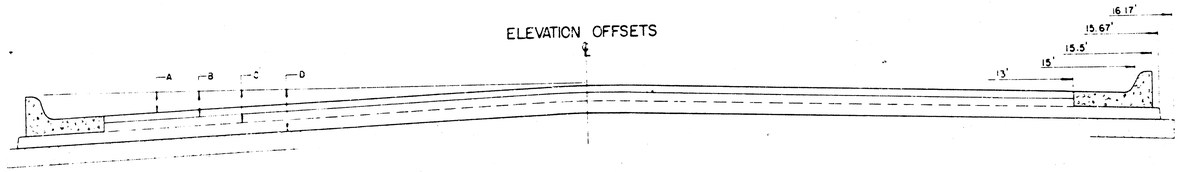

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

# TYPICAL 31' PAVEMENT DETAILS

## TRANSVERSE SECTION

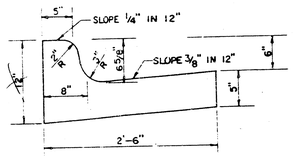



## ELEVATION OFFSETS

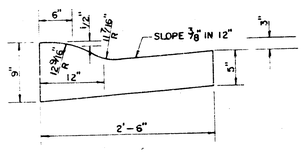



| | DISTANCE FROM CENTERLINE (LT. & RT.) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0' | 2' | 4' | 6' | 7.5' | 10' | 12' | 13' | 15' | 15.5' | 15.67' | 16.17' |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT | 0.10 | 0.14 | 0.21 | 0.27 | 0.32 | 0.39 | 0.46 | 0.49 | — | — | — | — |
| B: TOP OF CURBS TO TOP OF UPPER BASE LIFT | 0.27 | 0.31 | 0.38 | 0.44 | 0.49 | 0.56 | 0.63 | 0.66 | — | — | — | — |
| C: TOP OF CURBS TO TOP OF LOWER BASE LIFT | 0.44 | 0.49 | 0.57 | 0.64 | 0.70 | 0.79 | 0.87 | 0.90 | 0.98 | 1.00 | 1.00 | — |
| D: TOP OF CURBS TO TOP OF SUBGRADE | 0.69 | 0.73 | 0.80 | 0.87 | 0.93 | 1.01 | 1.08 | 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.

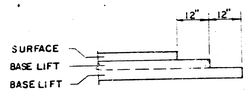
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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



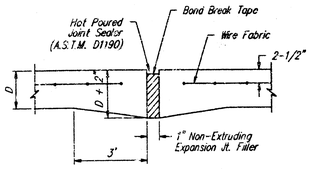

TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN AT THE DETAILS. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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



7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

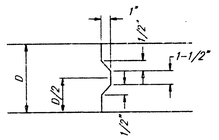
CITY OF WICHITA, KANSAS

PROJECT NUMBER

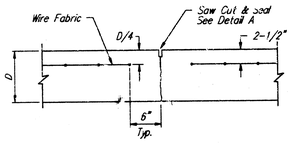



EXPANSION JOINT

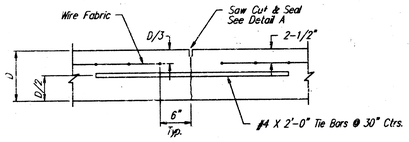
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



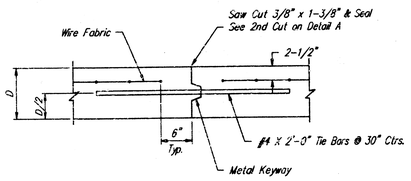

KEYWAY DETAIL



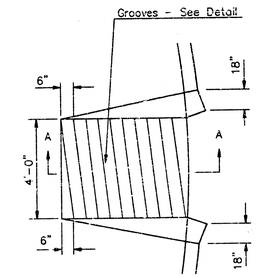

CONTRACTION JOINT DETAIL (C.J.)



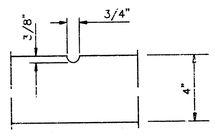

LONGITUDINAL JOINT DETAIL (L.J.)




LONGITUDINAL JOINT DETAIL (L.J.)

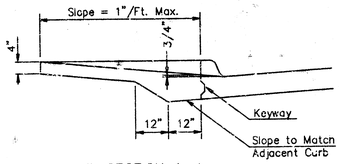



WHEELCHAIR RAMP PLAN VIEW

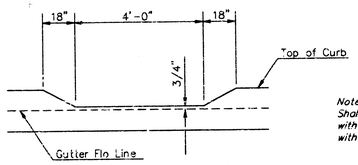



GROOVE DETAIL

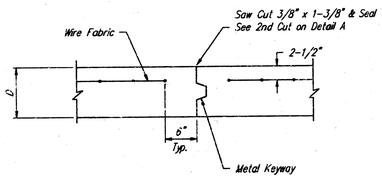
WHEELCHAIR RAMP DETAIL




SECTION A-A

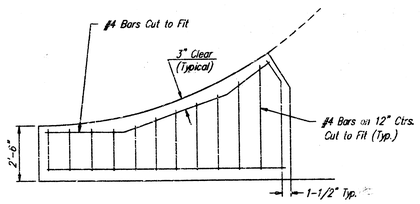



DEPRESSED CURB DETAIL

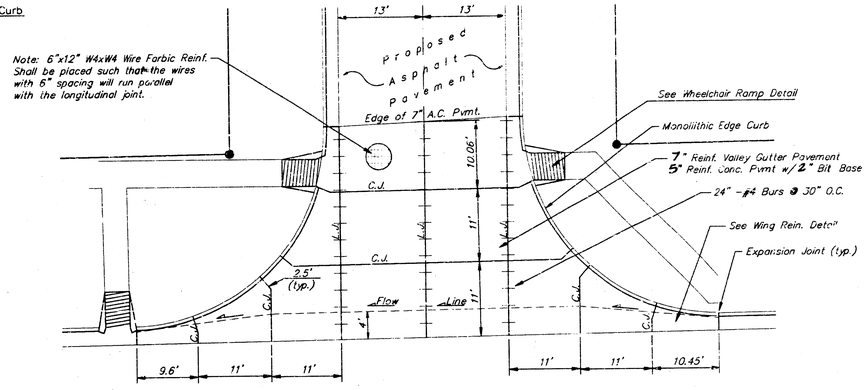



OPTIONAL CONTRACTION CONST. JOINT (C.J.)

(ALTERNATE C.J.)

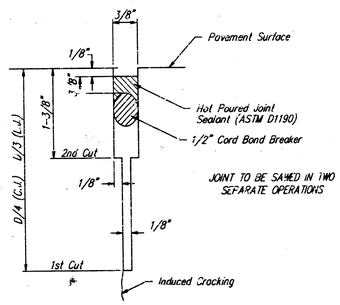



WING REINFORCING DETAIL




VALLEY GUTTER JOINT PLAN

BLUFF STREET and 21ST. STREET




SAW JOINT DETAIL

bluff\vgdetail

VALLEY GUTTER DETAILS

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 515 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER 472-76-245-82064-000-000-001

SHEET 3 OF 7

| DESIGN | DRAWN | APPROVED | DATE | SCALE |
|---|---|---|---|---|
| CMB\TCR | CMB\JL | TCR | 10-10-90 | 1" = 20' |

BENCH MARK: Square Cut on the Back of Walk, 49.3 feet North of 21st. Streeet Center Line and 50 feet West of Bluff Street Center Line. Elev. 200.87

BENCH MARK: Square Cut on the Back of Curb, 440 feet North of 21st. Street Center Line and 16 feet East of Bluff Street Center Line. Elev. 199.69

Scale: 1"=20'-0"
• = Iron

PI Elev. 202.20 30' VC

PI Elev. 200.85 40' VC

Sta 0+00 | Sta 0+24 | Sta 0+50 | Sta 0+53.46 | Sta 1+00 | Sta 3+90 | Sta 4+20.60

+0.859% | -0.470% | -2.941%

OMEGA ADDITION

PHI DELTA THETA ADDITION

BLUFF STREET

21st. STREET NORTH

Remove Concrete Sidewalk and Wheelchair Ramp

Saw Cut and Remove 1' of Asphalt Surface, Replace Asphalt Pavement Surface Course

Cost of Removal and Replacement to be Incidental to 7" V.G. Pvmt.

CAUTION: 4" Gas Line

Light Pole to be Relocated "By Others"

Thimble

S 9°10'0" E

Construct 7" Valley Gutter Pavement w/ Monolithic Curbs (5" Concrete w/ 2" Bit. Base) See Detail

Remove Concrete Curb and Gutter And Concrete Drive

Remove Concrete Sidewalk

Match Flow

Match

Bench Mark Elev. 200.87

Construct 4' Concrete Sidewalk w/2-Wheelchair Ramps per City Specs.

30' R. Face

Iron

Iron @ Sta 0+50

30' R. Face

Construct 4' Concrete Sidewalk w/ Wheelchair Ramp per City Specs.

24.5' ℄ to BC

50' R.O.W.

238.87'

174.00'

141.39'

364.40'

30' FC-FC

60' ROW

Construct 7" A.C. Pavement w/ 5" Bituminous Base

Construct Comb. Curb and Gutter (6 5/8")

Remove Conc. Slabs Located Within R.O.W.

Remove Approx. 375 L.F. of Wire Fence

SAW CUT AND REMOVE 1' OF ASPHT. SURFACE, REPLACE ASPHT. PVMT. SURFACE COURSE. COST INCIDENTAL TO PROJECT

Remove Conc. Foundation to Property Line

Water Line Extension "By Others"

REMOVE DRIVEWAY & REGRADE R.O.W.

INSTALL 16 L.F. OF 6" PVC PIPE WITH DEETER CURB (OUT-FLOW) NO. 2449-6. COST INCIDENTAL TO PROJECT

Remove & Replace Ex. Curb and Gutter Back to First Const. Joint Approx. 5.5'

STA 4+74

INSTALL 53.4 L.F. OF CURB & GUTTER

Bench Mark Elev. 199.69

Iron @ Sta 4+14.4

Sta 4+20.60 Match Existing Pavement, End Construction.

Remove & Replace Ex. Curb and Gutter Back to First Const. Joint Approx. 4.5'

209.87'

+0.882% | -0.470% | -2.092%

Sta 0+54.67 | Sta 1+00 | Sta 3+90 | Sta 4+20.60

PI Elev. 202.20 30' VC

PI Elev. 200.85 40' VC

EARTHWORK CALCULATIONS

| Excavation | Compacted Fill (90%) | Borrow |
|---|---|---|
| 1,398 C.Y. | - 0 - | - 0 - |

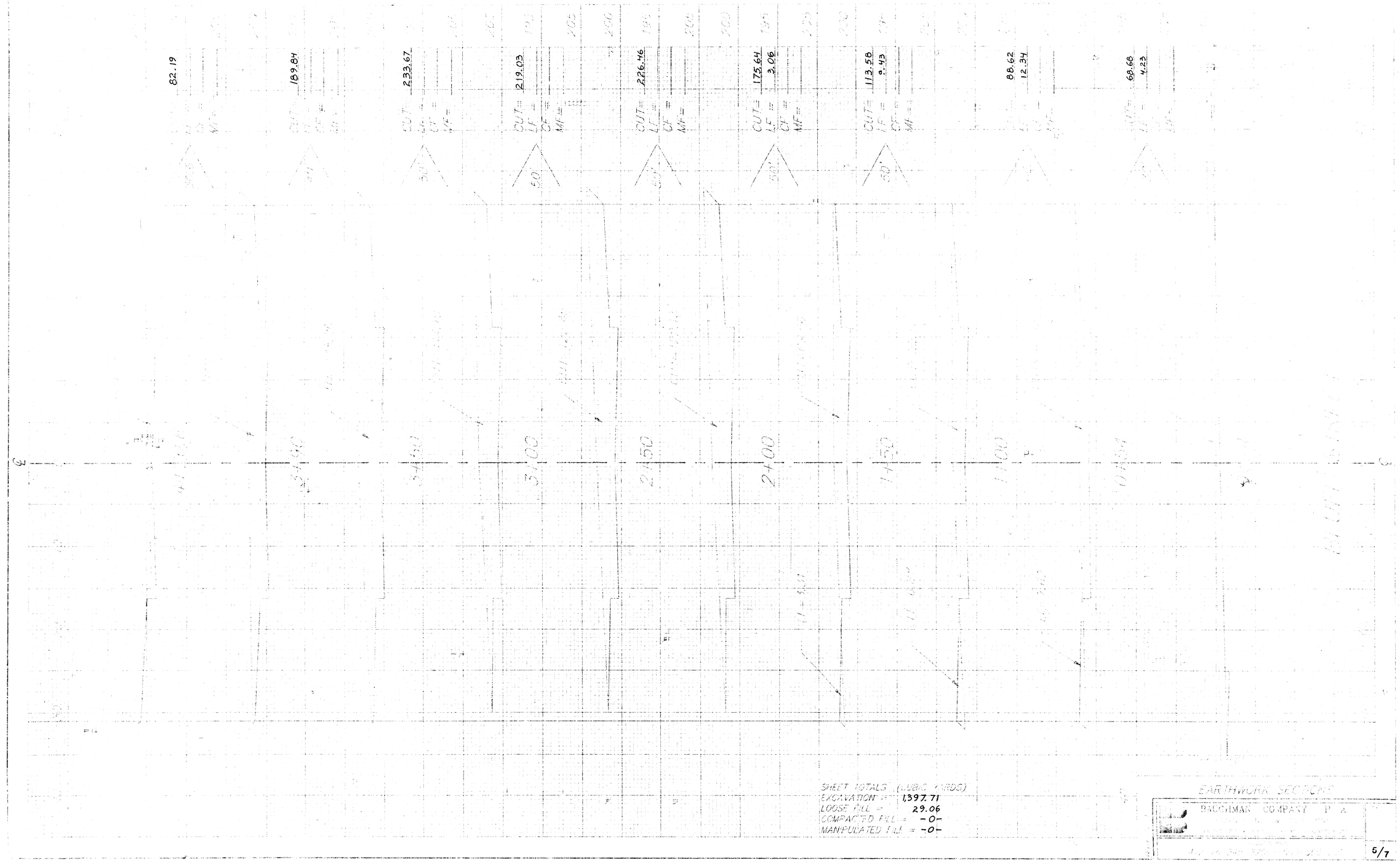
Subgrade Manipulation 1,468 S.Y.

BLUFF STREET

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

PROJECT NUMBER 472-76-245-82064-000-000-001

| DESIGN | DRAWN | APPROVED | DATE | SCALE | REV. | SHEET | OF |
|---|---|---|---|---|---|---|---|
| P.J.M. | P.J.M. | | FEB. 1991 | 1"=20' | | 4 | 7 |



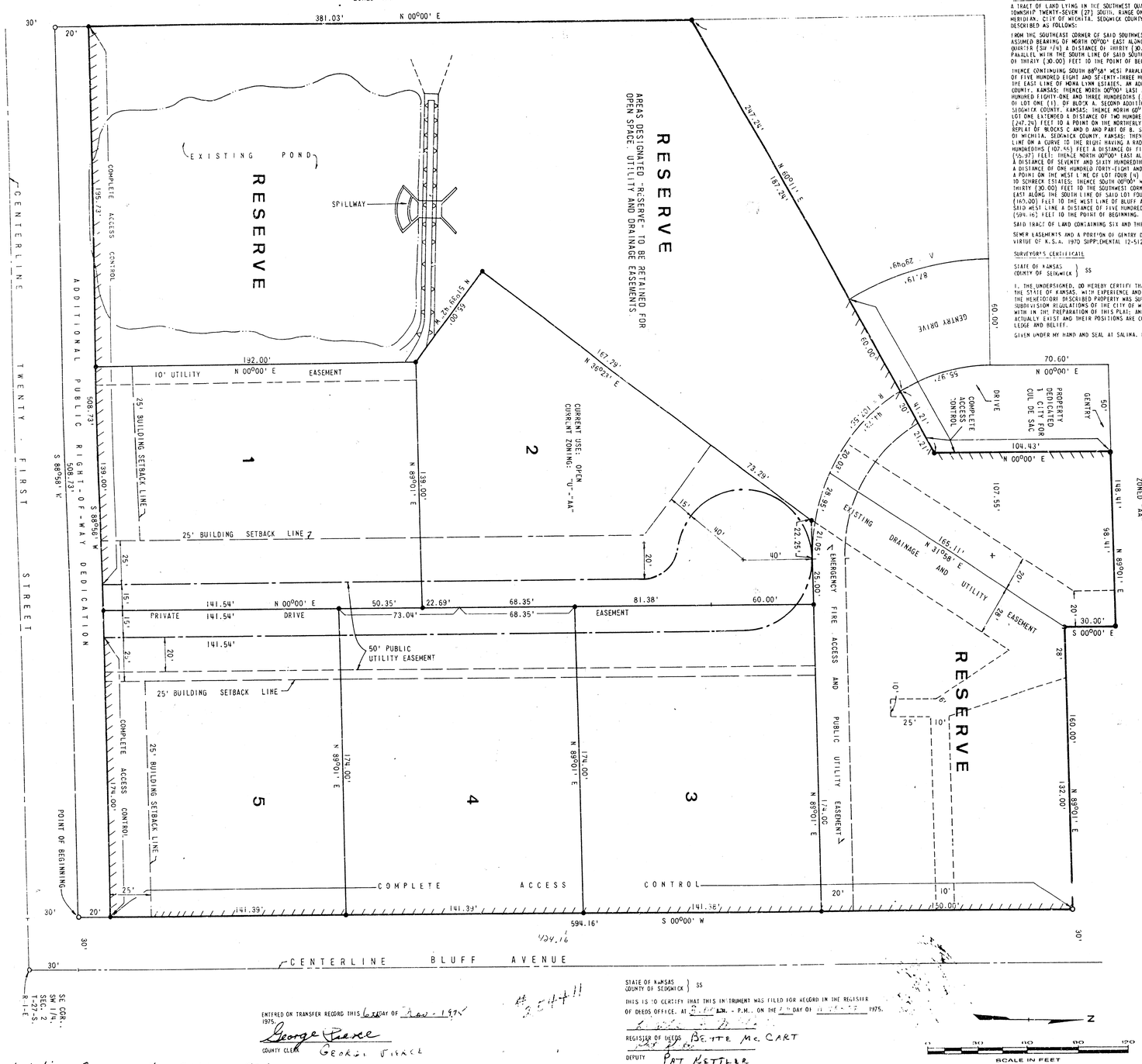

5/7

FILMED FROM THE BEST AVAILABLE COPY

# OMEGA ADDITION

55-O

MONA LYNN ESTATES
ZONED "AA"




## LEGAL DESCRIPTION

A TRACT OF LAND LYING IN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION TWO (2), TOWNSHIP TWENTY-SEVEN (27) SOUTH, RANGE ONE (1) EAST, OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF WICHITA, SEDGWICK COUNTY, KANSAS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FROM THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER (SW 1/4) THENCE ON AN ASSUMED BEARING OF NORTH 00°00' EAST ALONG THE EAST LINE OF SAID SOUTHWEST QUARTER (SW 1/4) A DISTANCE OF THIRTY (30.00) FEET; THENCE SOUTH 88°58' WEST PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER (SW 1/4) A DISTANCE OF THIRTY (30.00) FEET TO THE POINT OF BEGINNING.

THENCE CONTINUING SOUTH 88°58' WEST PARALLEL WITH SAID SOUTH LINE A DISTANCE OF FIVE HUNDRED EIGHT AND SEVENTY-THREE HUNDREDTHS (508.73) FEET TO A POINT ON THE EAST LINE OF MONA LYNN ESTATES, AN ADDITION TO THE CITY OF WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTH 00°00' EAST ALONG SAID EAST LINE A DISTANCE OF THREE HUNDRED EIGHTY-ONE AND THREE HUNDREDTHS (381.03) FEET TO THE SOUTHWEST CORNER OF LOT ONE (1), OF BLOCK A, SECOND ADDITION TO SCHRECK ESTATES, CITY OF WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTH 60°11' EAST ALONG THE SOUTHERLY LINE OF SAID LOT ONE EXTENDED A DISTANCE OF TWO HUNDRED FORTY-SEVEN AND TWENTY-FOUR HUNDREDTHS (247.24) FEET TO A POINT ON THE NORTHERLY LINE OF GENTRY DRIVE, AS PLATTED IT REPLAT OF BLOCKS C AND D AND PART OF B, SECOND ADDITION TO SCHRECK ESTATES, CITY OF WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTHWESTERLY ALONG SAID NORTHERLY LINE ON A CURVE TO THE RIGHT HAVING A RADIUS OF ONE HUNDRED SEVEN AND FIFTY-FIVE HUNDREDTHS (107.55) FEET A DISTANCE OF FIFTY-FIVE AND NINETY-SEVEN HUNDREDTHS (55.97) FEET; THENCE NORTH 00°00' EAST ALONG THE EAST LINE OF SAID GENTRY DRIVE A DISTANCE OF SEVENTY AND SIXTY HUNDREDTHS (70.60) FEET; THENCE NORTH 89°01' EAST A DISTANCE OF ONE HUNDRED FORTY-EIGHT AND FORTY-ONE HUNDREDTHS (148.41) FEET TO A POINT ON THE WEST LINE OF LOT FOUR (4) BLOCK B OF SAID REPLAT IN SECOND ADDITION TO SCHRECK ESTATES; THENCE SOUTH 00°00' WEST ALONG SAID WEST LINE A DISTANCE OF THIRTY (30.00) FEET TO THE SOUTHWEST CORNER OF SAID LOT FOUR; THENCE NORTH 88°01' EAST ALONG THE SOUTH LINE OF SAID LOT FOUR (4) A DISTANCE OF ONE HUNDRED AND SIXTY (160.00) FEET TO THE WEST LINE OF BLUFF AVENUE; THENCE SOUTH 00°00' WEST ALONG SAID WEST LINE A DISTANCE OF FIVE HUNDRED NINETY-FOUR AND SIXTEEN HUNDREDTHS (594.16) FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINING SIX AND THIRTY-ONE HUNDREDTHS (6.31) ACRES.

SEWER EASEMENTS AND A PORTION OF GENTRY DRIVE IS BEING VACATED AND REPLATTED BY VIRTUE OF K.S.A. 1970 SUPPLEMENTAL 12-512(B).

## SURVEYOR'S CERTIFICATE

STATE OF KANSAS } SS
COUNTY OF SEDGWICK }

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR IN THE STATE OF KANSAS, WITH EXPERIENCE AND PROFICIENCY IN LAND SURVEYING; THAT THE HEREINAFTER DESCRIBED PROPERTY WAS SURVEYED AND SUBDIVIDED BY ME; THAT ALL SUBDIVISION REGULATIONS OF THE CITY OF WICHITA, KANSAS, HAVE BEEN COMPLIED WITH IN THE PREPARATION OF THIS PLAT; AND THAT ALL OF THE MONUMENTS SHOWN HEREIN ACTUALLY EXIST AND THEIR POSITIONS ARE CORRECTLY SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GIVEN UNDER MY HAND AND SEAL AT SALINA, KANSAS, THIS 18TH DAY OF JUNE A.D., 1975.

JAMES R. DREESE
L.S. 1434

STATE OF KANSAS
COUNTY OF SEDGWICK } SS

BE IT REMEMBERED THAT ON THIS ____ DAY OF ____ 1975, BEFORE ME, A NOTARY PUBLIC IN AND TO ME PERSONALLY KNOWN TO BE THE SAID PERSON WHO EXECUTED THE FOREGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED THE EXECUTION OF SAME. IN TESTIMONY WHEREOF I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL THE DAY AND YEAR ABOVE WRITTEN

NOTARY PUBLIC

MY COMMISSION EXPIRES: ____

THIS PLAT OF OMEGA ADDITION HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, WICHITA, KANSAS.

DATED THIS 10TH DAY OF JULY, 1975.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

BY: Harland R. Kamen
CHAIRMAN, HARLAN R. KAMEN

Robert A. Larkin
SECRETARY, ROBERT A. LARKIN

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON, IF ANY, ACCEPTED BY THE Board of Commissioners OF THE CITY OF WICHITA, KANSAS, THIS 4th DAY OF July, 1975.

MAYOR, CONNIE A. PETERS

CITY CLERK, DONALD L. GISSER

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON, IF ANY, ACCEPTED BY THE BOARD OF COUNTY COMMISSIONERS OF SEDGWICK COUNTY, KANSAS, THIS 4th DAY OF July, 1975.

ATTEST:

COUNTY CLERK GEORGE PIERCE

CHAIRMAN, EARL RUSH
TOM SCOTT
JOHN HULE
COUNTY COMMISSIONERS

## OWNER'S CERTIFICATE

STATE OF KANSAS } SS
COUNTY OF SEDGWICK }

THIS IS TO CERTIFY THAT THE UNDERSIGNED IS THE OWNER OF THE LAND DESCRIBED IN THE PLAT, AND THAT HE HAS CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED AS INDICATED THEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE STYLE AND TITLE THEREON INDICATED.

EASEMENTS AS SHOWN HEREON ARE HEREBY GRANTED FOR THE INSTALLATION AND MAINTENANCE OF ALL PUBLIC UTILITIES. THE FIRE LANE IS HEREBY GRANTED FOR EMERGENCY FIRE ACCESS. THE "RESERVE" AS HEREIN INDICATED IS RESERVED FOR OPEN SPACE, DRAINAGE, AND UTILITY EASEMENTS.

ALL ABUTTERS RIGHTS OF ACCESS TO OR FROM TWENTY FIRST STREET OVER AND ACROSS THE SOUTH LINE OF THE RESERVE AND LOTS 1 AND 5 EXCEPT FOR THE EAST 15' OF LOT 1 AND THE WEST 15' OF LOT 5 ARE HEREBY GRANTED TO THE CITY OF WICHITA.

ALL ABUTTERS RIGHTS OF ACCESS TO OR FROM GENTRY DRIVE OVER AND ACROSS THE WEST AND NORTHWEST LINES OF THE RESERVE ARE HEREBY GRANTED TO THE CITY OF WICHITA.

ALL ABUTTERS RIGHTS OF ACCESS TO OR FROM BLUFF AVENUE OVER AND ACROSS THE EAST LINE OF LOTS 3, 4, 5 AND THE RESERVE ARE HEREBY GRANTED TO THE CITY OF WICHITA.

GIVEN UNDER MY HAND AT WICHITA, KANSAS THIS 18TH DAY OF JULY A.D., 1975.

ATTEST:

WICHITA STATE UNIVERSITY BOARD OF TRUSTEES — H.K. HEDENSKOG

ARTHUR SCHRECK

## LEGEND

- BOUNDARY LINE
- PROPERTY LINE
- PRIVATE DRIVE
- BUILDING SETBACK LINE
- EASEMENT LINE
- EXISTING EASEMENT LINE
- SECTION LINE
- 1/4 SECTION LINE
- COMPLETE ACCESS CONTROL
- PROPERTY CORNERS SET
- PROPERTY CORNERS FOUND

SCALE IN FEET: 0 30 60 90 120

ENTERED ON TRANSFER RECORD THIS 6th DAY OF Nov. 1975.
George Pierce
COUNTY CLERK GEORGE PIERCE

STATE OF KANSAS
COUNTY OF SEDGWICK } SS
THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS OFFICE, AT ____ A.M. - P.M., ON THE 7th DAY OF ____ 1975.
REGISTER OF DEEDS BETTE McCART
DEPUTY PAT KETTLER

Restrictive Covenants F161 pg 584

FINAL PLAT OF
OMEGA ADDITION
TO THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS

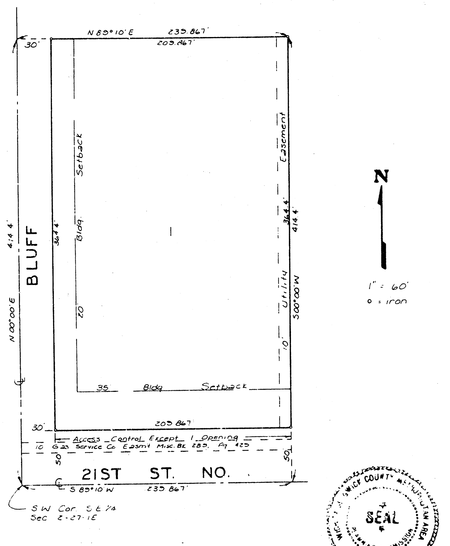
FOR BOARD OF TRUSTEES, WICHITA STATE UNIVERSITY

PREPARED BY: SHELLEY-WILSON ENGINEERS • ARCHITECTS • PLANNERS
254 LAURA • WICHITA, KS. 67211

P-317

# PHI DELTA THETA ADDITION

## WICHITA, SEDGWICK COUNTY, KANSAS.




N

1" = 60'

o = iron

State of Kansas } ss
Sedgwick County }

We, Baughman Company, P.A., Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "PHI DELTA THETA ADDITION," Wichita, Sedgwick County, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed described as that part of the SE¼ of Sec. 2, Twp 27-S, R-1-E of the 6th P.M. Sedgwick County, Kansas, described as beginning 308 feet south and 233.867 feet east of the N.W. Corner of the SW¼ of said SE¼ of Sec. 2, thence west parallel with the north line of said SW¼ of the SE¼, 233.867 feet to a point on the west line of said SE¼, thence south along the west line of said SE¼, 414.4 feet more or less to the S.W. Corner of said SE¼, thence east, along the south line of said SE¼, 233.867 feet, thence north 414.4 feet more or less to the point of beginning.

Baughman Company, P.A.

7/20/90
Date

Gregory F. Severns Surveyor

Know all men by these presents, that we, the undersigned, have caused the land described in the surveyors certificate to be platted into a lot and streets to be known as "PHI DELTA THETA ADDITION," Wichita, Sedgwick County, Kansas. The utility easement is 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. All abutters rights of access to or from 21st St No. over and across the south line of Lot 1 are hereby granted to the City of Wichita, provided however that Lot 1 shall have one point of access to 21st St No. as shall be determined by the City Engineer of the City of Wichita.

Robert A. Geist

This plat of "PHI DELTA THETA ADDITION," Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Wichita-Sedgwick County Metropolitan Area Planning Commission
Dated this 21st day of August, 1990.

George D. Sherman Acting Chairman

Marvin S. Krout Secretary

State of Kansas } ss
Sedgwick County }

The foregoing instrument was acknowledged before me this ___ day of _____ 1990, by Robert A. Geist

_____ Notary Public
Rheta Landon

My Appt Exp _____

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 21st day of August, 1990.

Bob Knight Mayor

Pat Burnett Deputy City Clerk

State of Kansas } ss
Sedgwick County }

This is to certify that this plat has been filed for record in the office of the Register of Deeds this 31st day of December, 1990, at 11:00 o'clock A.M., and is duly recorded

Entered on transfer record this 27 day of December 1990.

Don Wright County Clerk

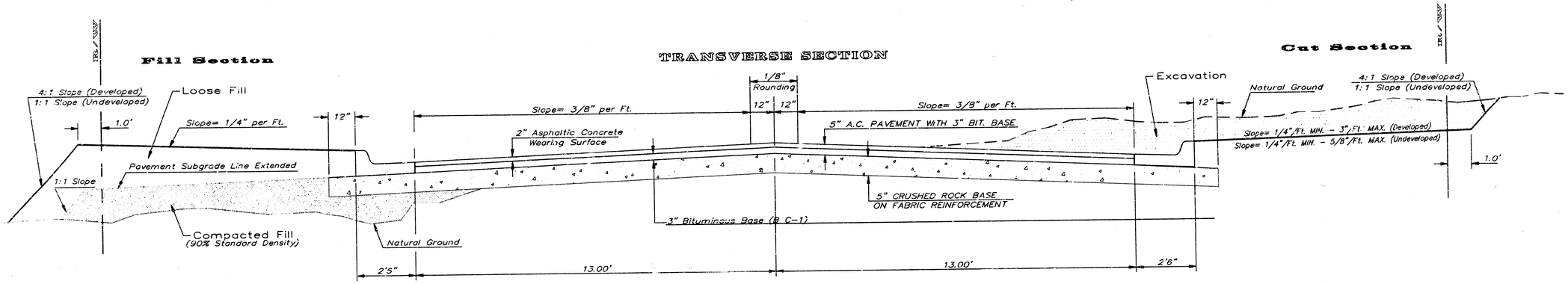
Pat Kettler Register of Deeds

Ed Kopp Deputy

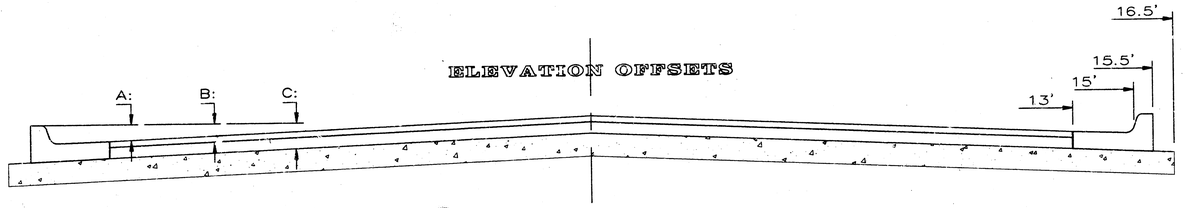
7 of 7

# TYPICAL 31' B-B PAVEMENT DETAILS

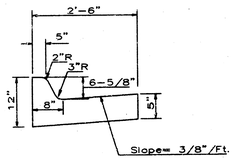
## TRANSVERSE SECTION



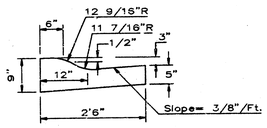

## ELEVATION OFFSETS



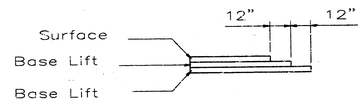

| | DISTANCE FROM CENTERLINE (LT. & RT.) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0' | 2' | 4' | 6' | 7.5' | 10' | 12' | 13' | 15' | 15.5' | 16.5' |
| A: Top of Curbs to Top of Surface Lift | 0.10 | 0.14 | 0.21 | 0.27 | 0.32 | 0.39 | 0.46 | 0.49 | – | – | – |
| B: Top of Curbs to Top of Upper Base Lift | 0.27 | 0.31 | 0.37 | 0.44 | 0.48 | 0.56 | 0.62 | 0.65 | – | – | – |
| C: Top of Curbs to Top of Lower Base Lift | 0.52 | 0.56 | 0.62 | 0.69 | 0.73 | 0.81 | 0.87 | 0.90 | 0.97 | 0.98 | 1.01 |




COMBINED CURB & GUTTER

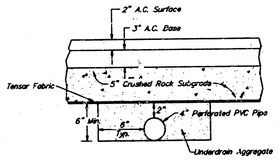



COMBINED ROLL TYPE CURB & GUTTER

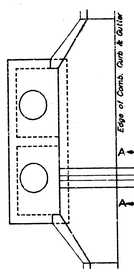



## TRANSVERSE CONSTRUCTION JOINTS

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 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).




SECTION A-A

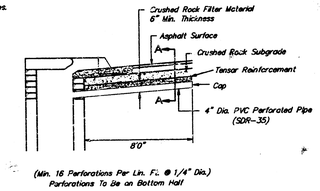



CRUSHED ROCK GRADATION REQUIREMENTS
Percent of Aggregate Retained

| | |
|---|---|
| 1 1/2" | 0 |
| 3/4" | 15-60 |
| # 4 | 40-80 |
| #40 | 74-92 |
| P-200 | 4-12 |

Rock Quality Shall Be The Same As Specified For Coarse Aggregate For Asphalt Concrete Mixes.

NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.
Cost of Underdrain System to be Incidental to the Reinforced Crushed Rock Subgrade.




(Min. 16 Perforations Per Lin. Ft. @ 1/4" Dia.)
Perforations To Be on Bottom Half

PAVEMENT UNDERDRAIN DETAIL

## General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1-1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

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.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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.

THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE.)

5 INCH Residential Asphaltic Concrete Pavement with Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas


BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 37211


REV.

PROJECT NUMBER
472-76-245-82064-000-000-001

SHEET
OF 8

| DESIGN | DRAWN | APPROVED | DATE | SCALE |
|---|---|---|---|---|
| | | | | |