STORMWATER SEWER IMPROVEMENTS

to serve

Lot 1, Timber Ridge 4th Addition

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

Private Project Number

707 PPS (607861)

GENERAL NOTES:

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

Cablevision	262-4270
or	263-2061
K.P.L. Gas Service Company	383-9650
Kansas Gas & Electric Company	383-8600
Peoples Nat. Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071

2. 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.

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 stockpiles or disposed of in a flood plain would 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. 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 law.

6. All disturbed areas are to be seeded and mulched as follows:

   SEED – Kansas Premium Fescue Blend – 8#/1000 Sq. Ft. (Equal Parts of Olympic II, Bonanza, Apache, and Monarch Fescue Varieties)

   MULCH – 2 Tons of Prairie Hay/Acre

APPROVED AS NOTED BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 4/22/97

Driveway Approaches _____

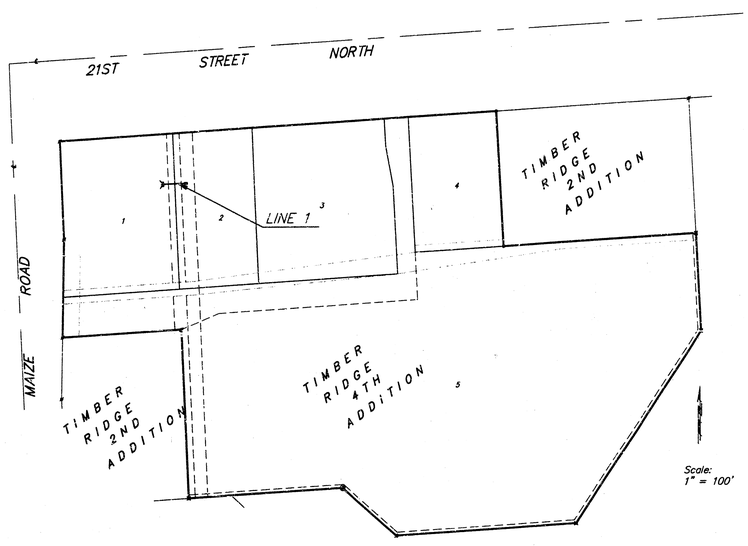
Water Mains _____

Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

PROJECT INSPECTOR - L. POWERS - BAUGHMAN CO.



Project Area

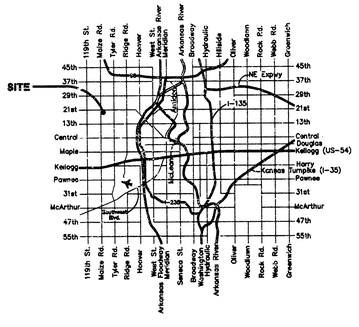
Benchmarks

City of Wichita Disc, Located 64'± East and 93'± South of the Intersection of the ℄ of Maize Road and the ℄ of 21ST. Street North

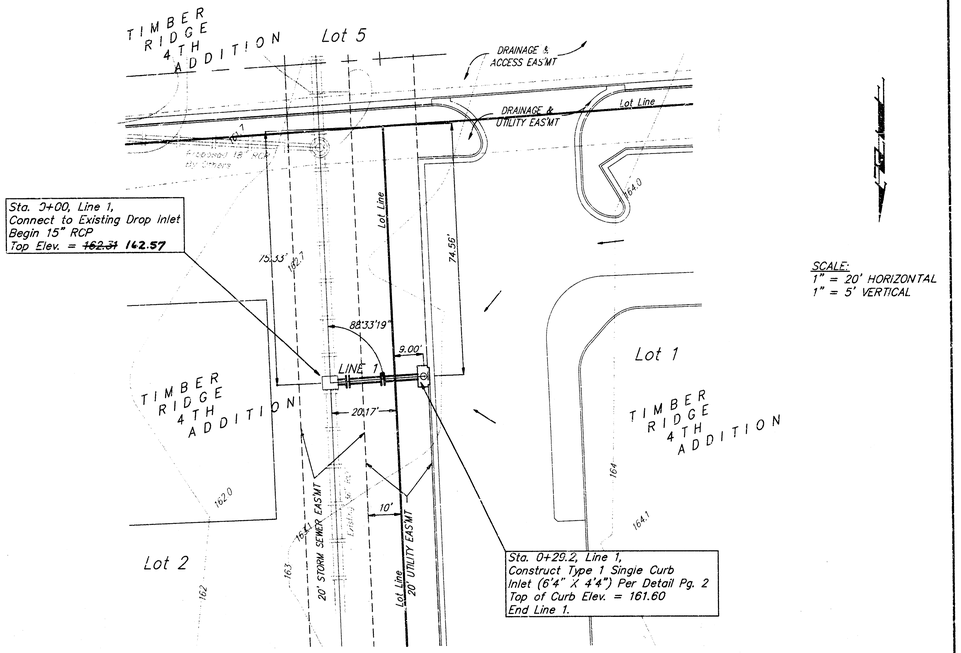
Elevation = 164.50 City Datum

Sheet Index

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Plan / Profile	1
Type 1 Inlet Detail	2
Copy of Plat	3

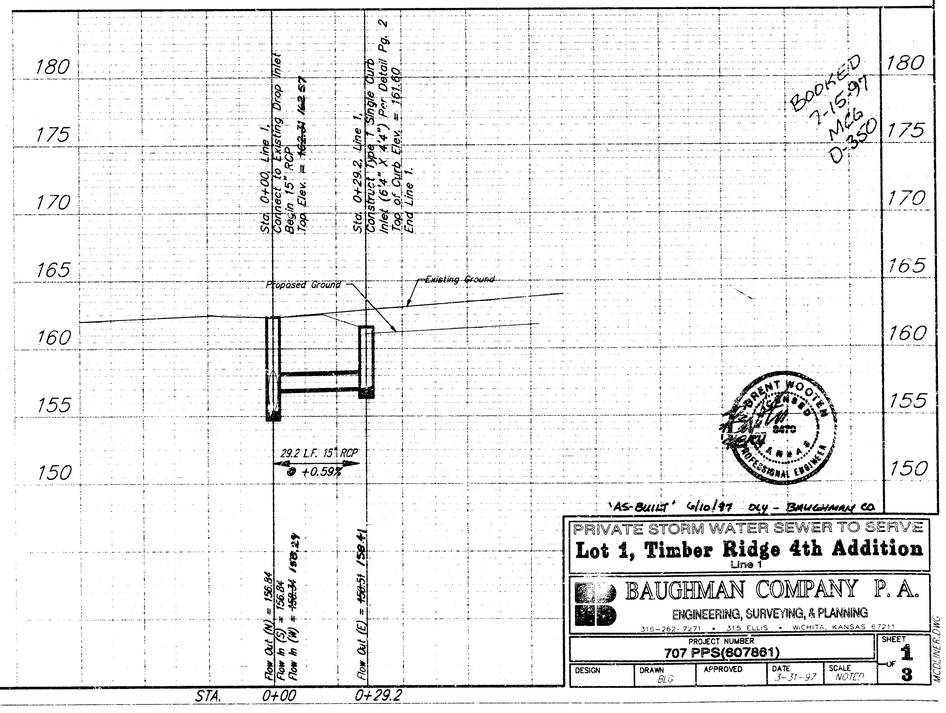


Vicinity Map



SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL

Revised 4/21/97



BOOKED 7-15-97 MCG D-350

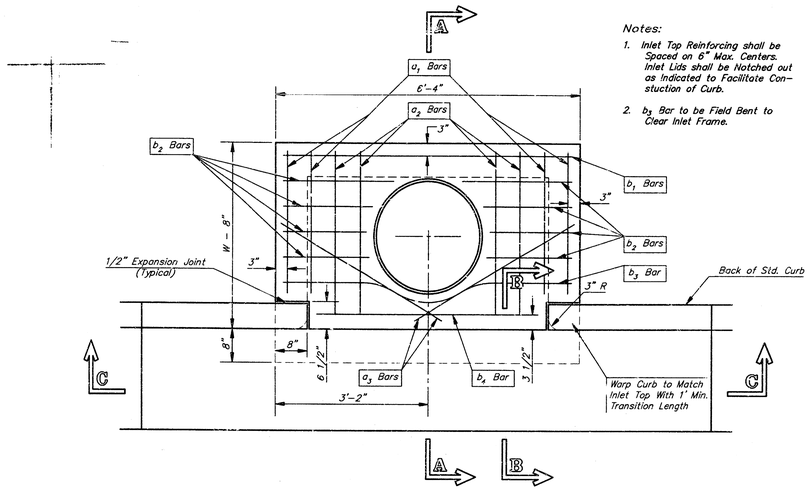
'AS-BUILT' 6/10/97 DLY - BAUGHMAN CO.

PRIVATE STORM WATER SEWER TO SERVE
Lot 1, Timber Ridge 4th Addition
Line 1

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 324 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER				SHEET
707 PPS(607861)				1 OF 3
DESIGN	DRAWN	APPROVED	DATE	SCALE
	BLG		3-31-97	NOTED

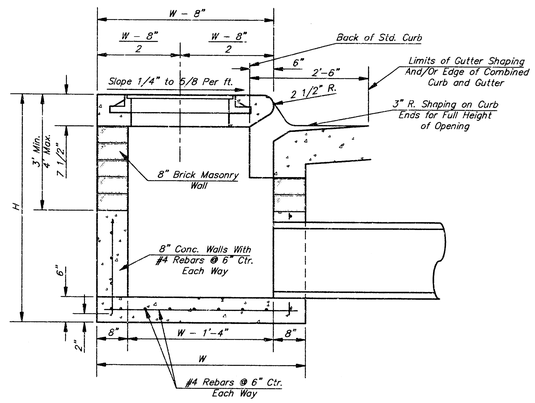
MCG/DLY/BLG



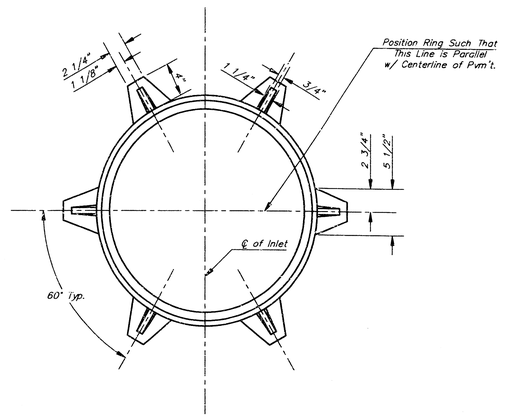
PLAN

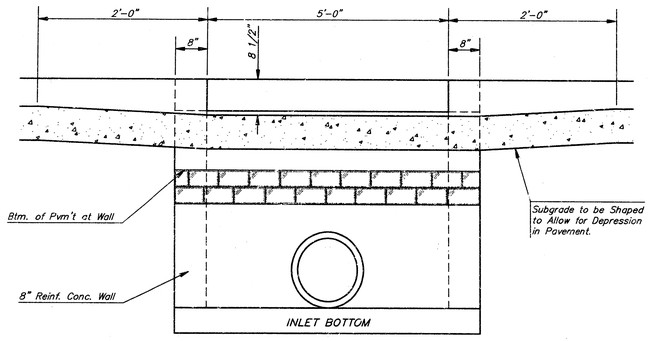
Notes:

1. Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_3 Bar to be Field Bent to Clear Inlet Frame.

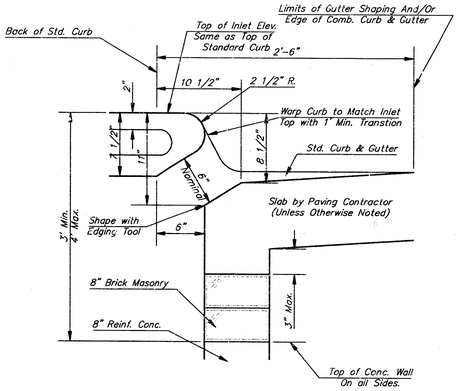


SECTION A-A

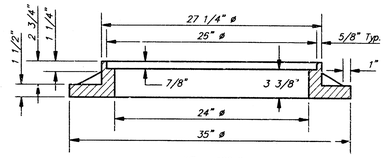




SECTION C-C



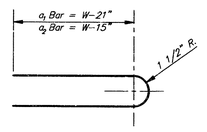
SECTION B-B



WT. = 180 lbs.

MANHOLE RING AND COVER

*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



BENDING DIAGRAM

STEEL SCHEDULE

BAR		a_1	a_2	a_3	b_1 W=4'-4"	b_1 W=5'-4"	b_1 W=6'-4"	b_1 W=7'-4"	b_1 W=8'-4"	b_2	b_3	b_4	Wt. Lbs.
NUMBER		4	4	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	–	–	–	–	1'-9"	6'-2"	4'-8"	60±
	W=5'-4"	7'-7"	8'-7"	5'-0"	–	6'-1"	–	–	–	1'-9"	6'-2"	4'-8"	81±
	W=6'-4"	9'-7"	10'-7"	6'-0"	–	–	6'-1"	–	–	1'-9"	6'-2"	4'-8"	101±
	W=7'-4"	11'-7"	12'-7"	7'-0"	–	–	–	6'-1"	–	1'-9"	6'-2"	4'-8"	121±
	W=8'-4"	13'-7"	14'-7"	8'-0"	–	–	–	–	6'-1"	1'-9"	6'-2"	4'-8"	141±

Note: a_3 Bars to be Placed Approx. 2" Below Top of Inlet Cover.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±

GENERAL NOTES

1. Concrete tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix.
2. Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.
3. Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
4. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

Revised – Dec. 21, 1984

CITY OF WICHITA, KANSAS

TYPE 1 CURB INLET

INLET OPENING = 8"X5'-0"

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

PROJECT NUMBER	SHEET
707 PPS (807861)	2 OF 3

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	STAFF			

DETAILS1TYP1-S

TIMBER RIDGE 4TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas)
Sedgwick County) SS We, Baughman Company, P.A., Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "TIMBER RIDGE 4TH ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of Lots 15 and 16, Block 1, Timber Ridge 2nd Additon, Wichita, Sedgwick County, Kansas:

All being situated in the NW1/4 of Sec. 8, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas.

Existing public easements and dedications being vacated by virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

_____ Surveyor
Michael G. Conrey

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into Lots to be known as "TIMBER RIDGE 4TH ADDITION", Wichita, Sedgwick County, Kansas. The wall easements are hereby granted as indicated for the construction and maintenance of a private screening wall and utility main lines and service lines are allowed to cross these easements. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The storm sewer easement is hereby granted as indicated for the construction and maintenance of a storm sewer system. The drainage and utility easement is hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The drainage easements are hereby granted as indicated for drainage purposes. The construction of the screening wall at locations where sanitary sewers and storm sewers cross the screening wall easement shall be approved by the City Engineer of the City of Wichita, Kansas. All abutters rights of access to or from 21st Street North and to or from Maize Road and to or from 20th Street North shall be as indicated on the face of the plat.

B. & E. Investments, Inc.

_____, President
Matthias F. Eck

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ____ day of _____, 1997, by Matthias F. Eck, President of B. & E. Investments, Inc., on behalf of the corporation.

_____ Notary Public
My App't. Exp. _____

We, the undersigned, holders of a mortgage on the above described property do hereby consent to the plat of "TIMBER RIDGE 4TH ADDITION", Wichita, Sedgwick County, Kansas.

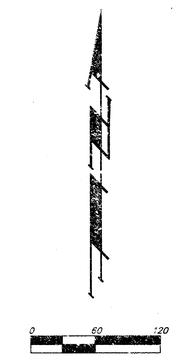
First National Bank of Anthony

_____, _____
(Title)

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ____ day of _____, 1997, by _____, _____ of First National Bank of Anthony, on behalf of the bank.
(Title)

_____ Notary Public

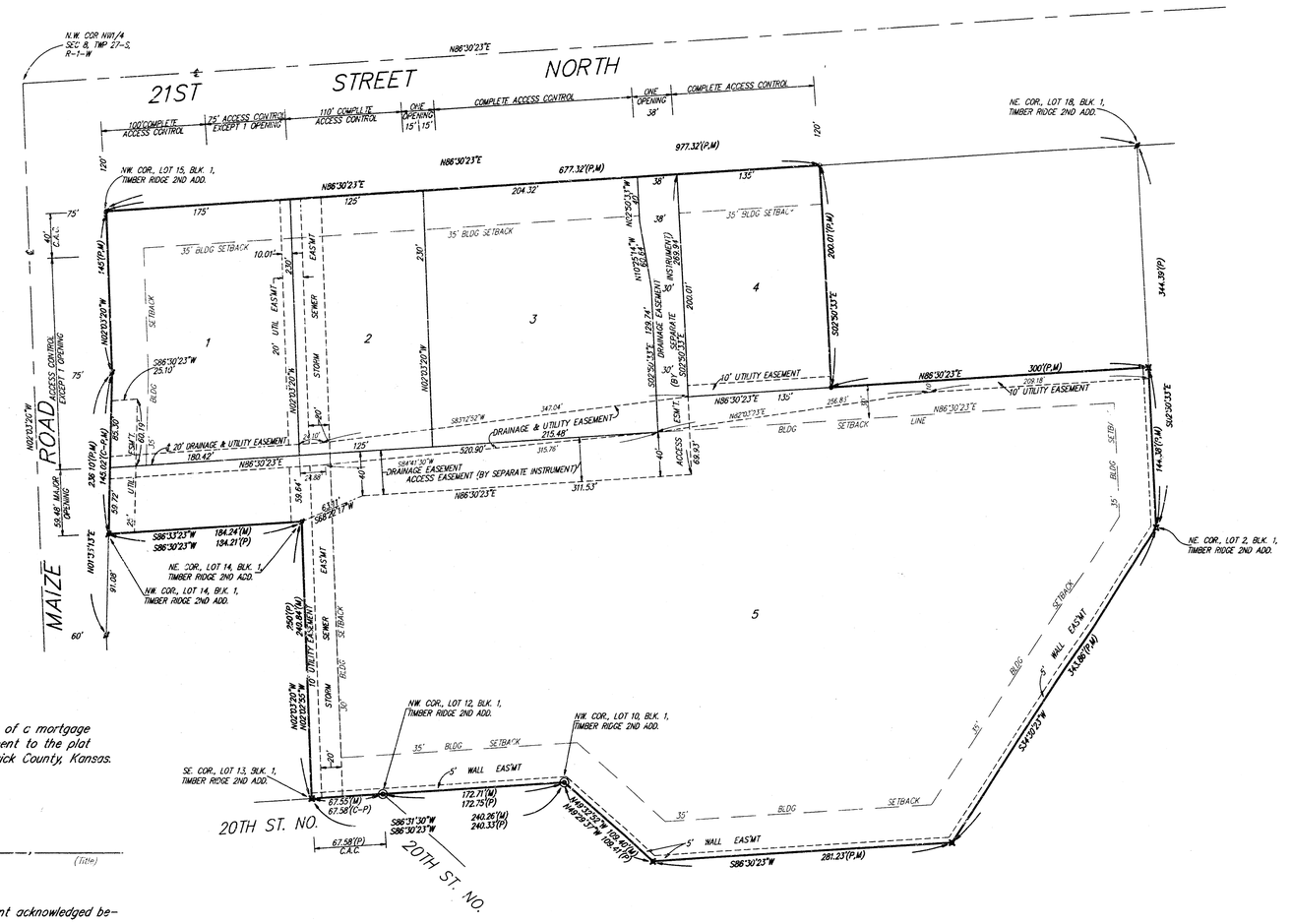
My App't. Exp. _____



● = #4 REBAR (FOUND)
■ = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
⊠ = #4 REBAR W/ "BAUGHMAN" CAP (SET)
◉ = #4 REBAR W/ "SRB" CAP (FOUND)

(M) = MEASURED
(P) = PLATTED
(C-P) = CALCULATED PER PLATTED DIM'SN.

NOTE:
ADDITIONAL BUILDING SETBACK REQUIREMENTS PER COMMUNITY UNIT PLAN DP-197.



We, the undersigned, holders of a mortgage on the above described property do hereby consent to the plat of "TIMBER RIDGE 4TH ADDITION", Wichita, Sedgwick County, Kansas.

State Bank of Colwich

_____, _____
(Title)

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ____ day of _____, 1997, by _____, _____ of State Bank of Colwich, on behalf of the bank.
(Title)

_____ Notary Public

My App't. Exp. _____

This plat of "TIMBER RIDGE 4TH ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this ____ day of _____ 199_.
Wichita-Sedgwick County Metropolitan Area Planning Commission.

_____ Chairman
John C. Frye

_____ Secretary
Marvin S. Krout

This plat approved and all dedications shown hereon, accepted by the City Council of the City of Wichita, Kansas, this ____ day of _____ 1997.

_____ Mayor
Bob Knight

_____ City Clerk
Pat Burnett

Entered on transfer record, this ____ day of _____ 1997.

_____ County Clerk
James Alford

State of Kansas)
Sedgwick County) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this ____ day of _____ 1997, at ____ o'clock __ M; and is duly recorded.

_____ Register of Deeds
Larry Consolver

_____ Deputy
Michael D. Hurtt

SHEET 3 OF 3

12-2-97