

# STORM WATER SEWER IMPROVEMENTS

to serve

## Village Charters 2nd Addition

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

Private Project Number

970 PPB (607831)

### BENCHMARK

City of Wichita Dec Located Intersection of 21st Street North & Tyler Road.  
Elevation: 170.95 City Datum.

### LEGAL DESCRIPTION

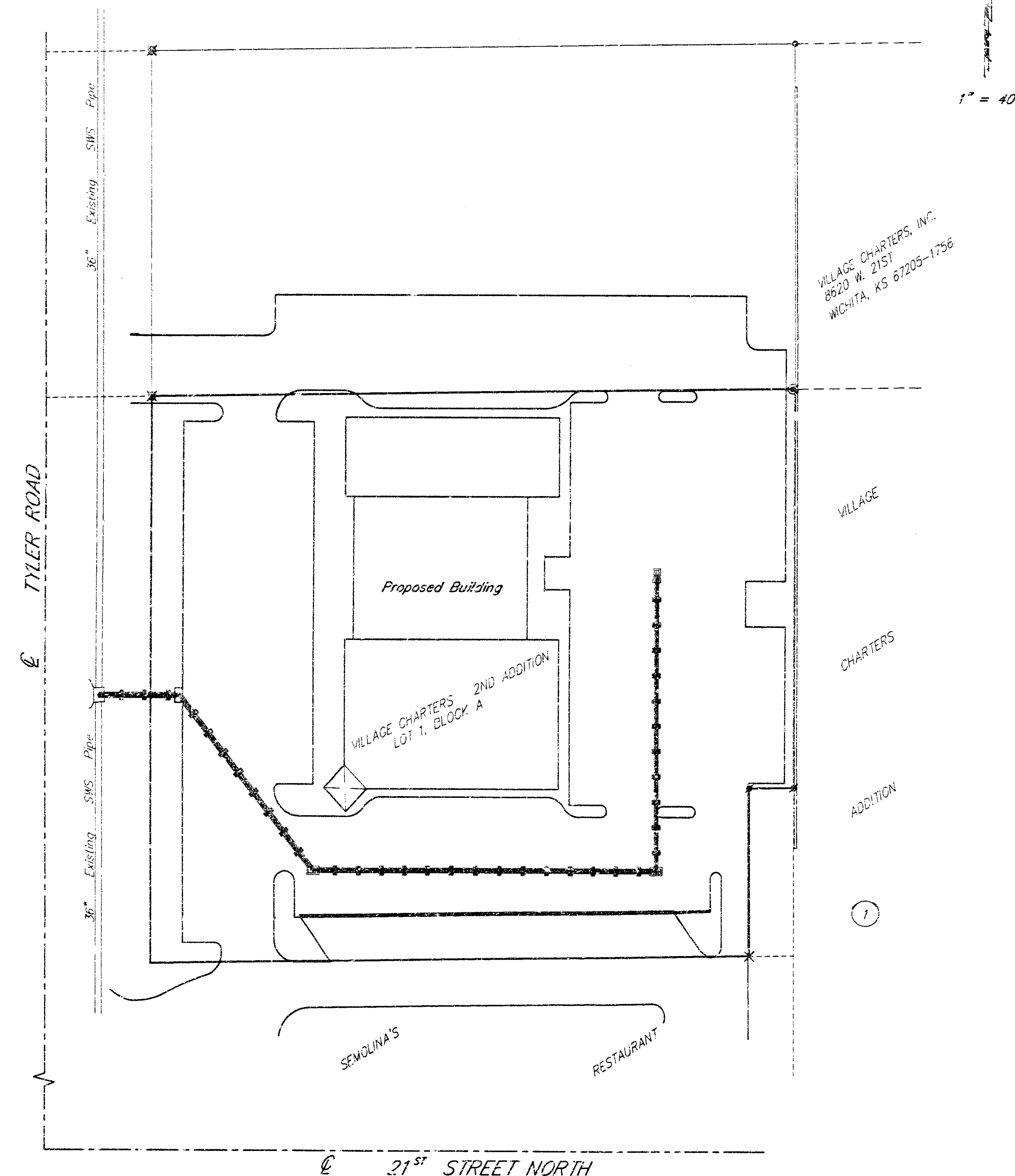
Lot 1, Block A, Village Charters 2nd Addition, Wichita, Sedgewick County, Kansas, EXCEPT therefrom the following described tract: Beginning at the NW corner of Lot 1, Block A, Village Charters 2nd Addition, Wichita, Sedgewick County, Kansas; thence S00°00'20"W along the west line of said Lot 1, 152.85 feet to a corner in the west line of said Lot 1; thence N89°14'16"E parallel with the north line of said Lot 1, 300.00 feet to a point on the east line of said Lot 1; thence S00°00'20"E along the east line of said Lot 1, 152.85 feet to the NE corner of said Lot 1; thence S89°14'16"W along the north line of said Lot 1, 300.00 feet to the point of beginning.

### GENERAL NOTES

- Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:  
Kansas One-Call 687-2470  
The Contractor must notify the following in case of an emergency:  
Multimedia Cablevision 262-4270  
Kansas Gas Service Company 383-0600  
Kansas Gas & Electric Company 383-3650  
Peoples Gas Company 942-7800  
Southwestern Bell Telephone Company 1-571-2611  
City of Wichita Water Department 268-4908  
City of Wichita Sewer Department 268-4071
- Utility service lines, poles, valve boxes, meters, et cetera 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 and shall be field verified. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- All disturbed areas not intended for pavement or sidewalk construction shall be seeded with Kansas Premium Fescue Blend at a rate of 8 lb./1000 Sq. Ft., fertilized with a 16-20-6 ratio at a rate of 4 lb./1000 Sq. Ft., and mulched with Prairie Hay at a rate of 92 lb./1000 Sq. Ft. which shall be "patted" with forks or punched into soil to reduce loss due to wind.
- 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.
- Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.
- 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.

### INDEX:

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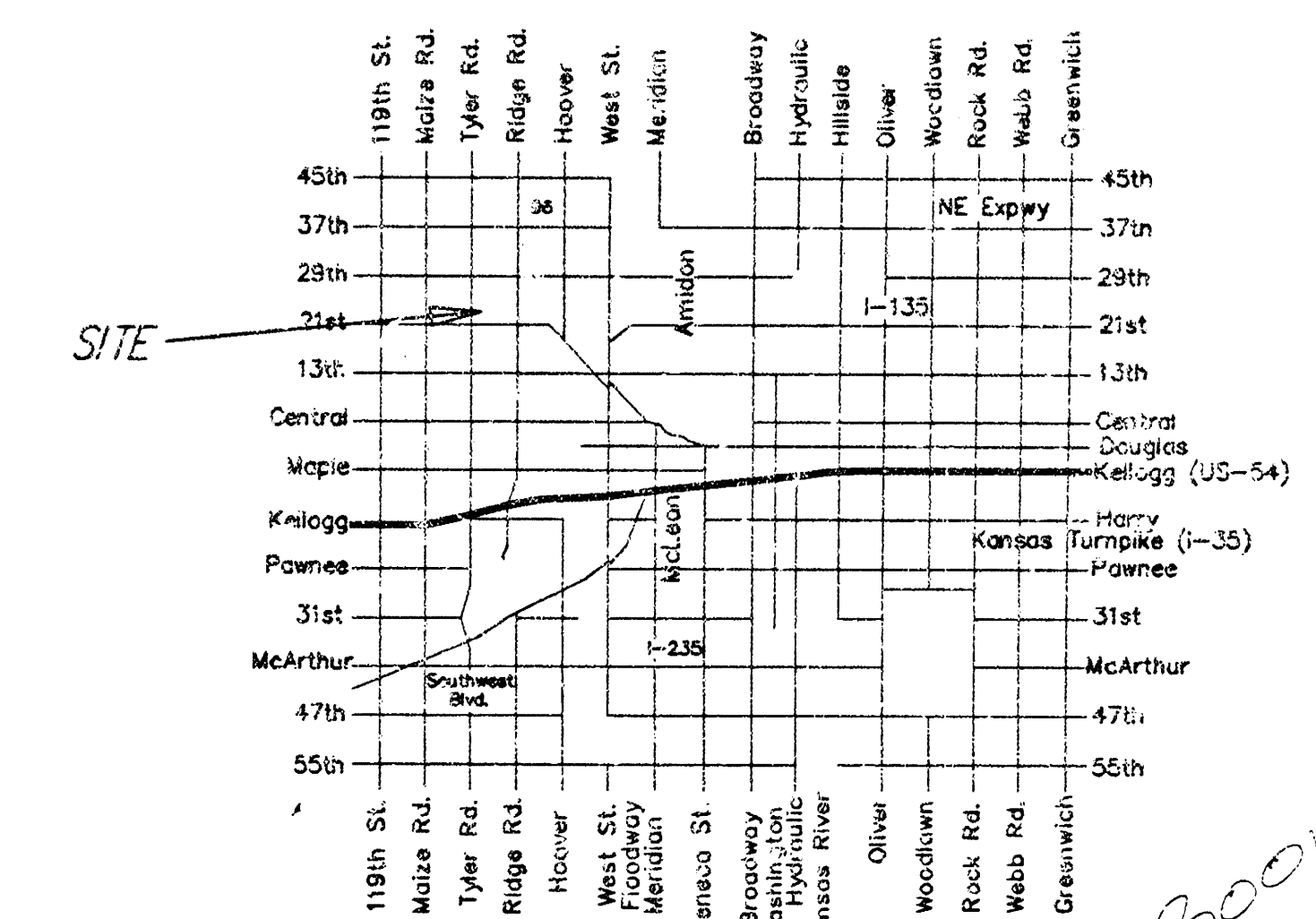


APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA

Storm Sewers VRH 12/21/99

### 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).



Vicinity Map

BOOKED  
6-1-00  
Meb  
D-160

PROJECT INSPECTED + ASBUILT BY  
BAUGHMAN COMPANY, P.A. 3/2000 IMN

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



## BENCHMARK

City of Wichita Disc Located Intersection of 21st Street North &  
Tyler Road.  
Elevation: 170.95 City Datum.

## LEGAL DESCRIPTION

Lot 1, Block A, Village Charters 2nd Addition, Wichita, Sedgwick County,  
Kansas, EXCEPT thereon the following described tract: Beginning at the  
NW corner of Lot 1, Block A, Village Charters 2nd Addition, Wichita,  
Sedgwick County, Kansas; thence 500'00"00" along the west line of said  
Lot 1, 152.88 feet to a corner in the west line of said Lot 1; thence  
148'14"16" parallel with the north line of said Lot 1, 300.01 feet to a  
point on the east line of said Lot 1; thence 100'00"00" along the east  
line of said Lot 1, 152.88 feet to the NE corner of said Lot 1; thence  
589'14"16" along the north line of said Lot 1, 300.00 feet to the  
point of beginning.

Sta. 0+00.0, Begin Line 1.  
Core into Existing Inlet.  
Install 18" RCP.  
Reconstruct Inlet & Invert  
As Necessary For Flow.  
Grout & Seal Water Tight.  
Flow = 161.95 (C)  
Remove 10" Pipe Stub  
Extending (E).

CAUTION! VERIFY  
8" CS Peoples Natural Gas Line

Sta. 0+37.5  
Construct Type-1 Curb Inlet  
(6'-4"x4'-4") With 18"  
SWS Pipe Extending (SE).  
Top Elev. = 168.35

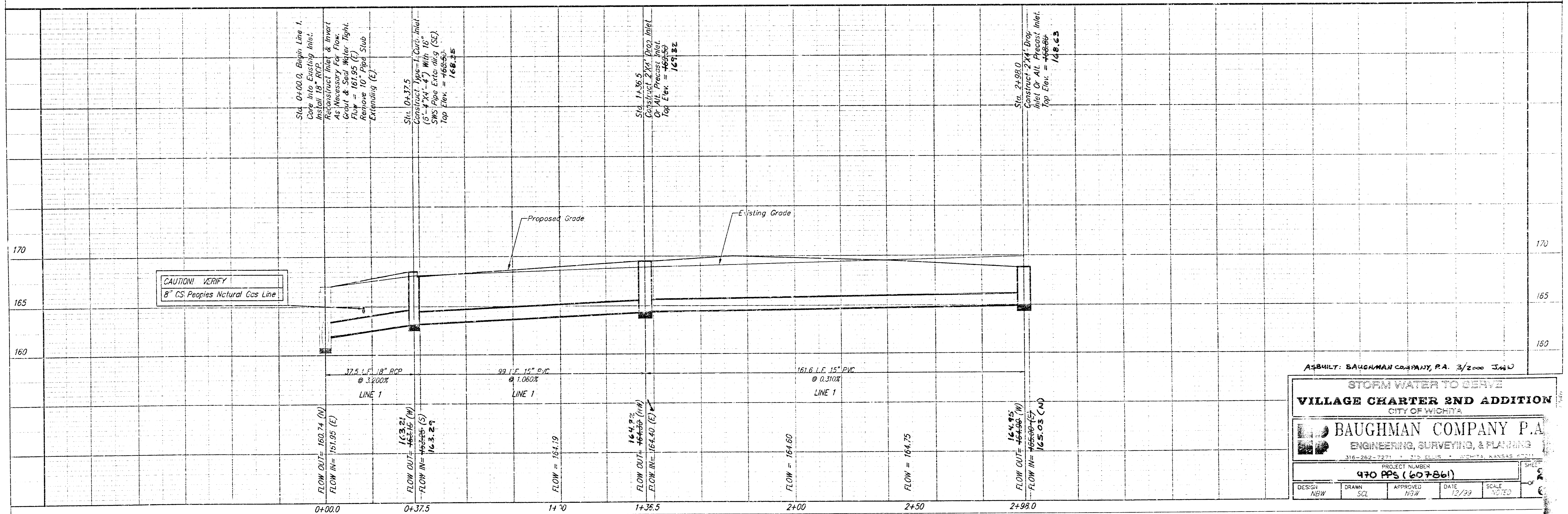
Sta. 0+00.0, Begin Line 1.  
Core into Existing Inlet.  
Install 18" RCP.  
Reconstruct Inlet & Invert  
As Necessary For Flow.  
Grout & Seal Water Tight.  
Remove 10" Pipe Stub  
Extending (E).

Sta. 0+37.5  
Construct Type-1 Curb Inlet  
(6'-4"x4'-4") With 18"  
SWS Pipe Extending (SE).  
Top Elev. = 168.35

Sta. 1+36.5  
Construct 2'x4' Drop Inlet  
Or Alt. Precast Inlet.  
Top Elev. = 169.32

Sta. 2+98.0  
Construct 2'x4' Drop  
Inlet Or Alt. Precast Inlet.  
Top Elev. = 168.63

SCALE:  
1" = 20' HORIZONTAL  
1" = 5' VERTICAL  
#4 = #4 REBAR W/ "BAUGHMAN" CAP  
X = 3/4" IRON



ASBUILT: BAUGHMAN COMPANY, P.A. 3/2000 JML

STORM WATER TO SERVE

VILLAGE CHARTER 2ND ADDITION  
CITY OF WICHITA

BAUGHMAN COMPANY P.A.  
ENGINEERING, SURVEYING, & PLANNING

PROJECT NUMBER  
470 PPS (607861)

DESIGN: NGW DRAWN: SCL APPROVED: NGW DATE: 12/29 SCALE: NOTED

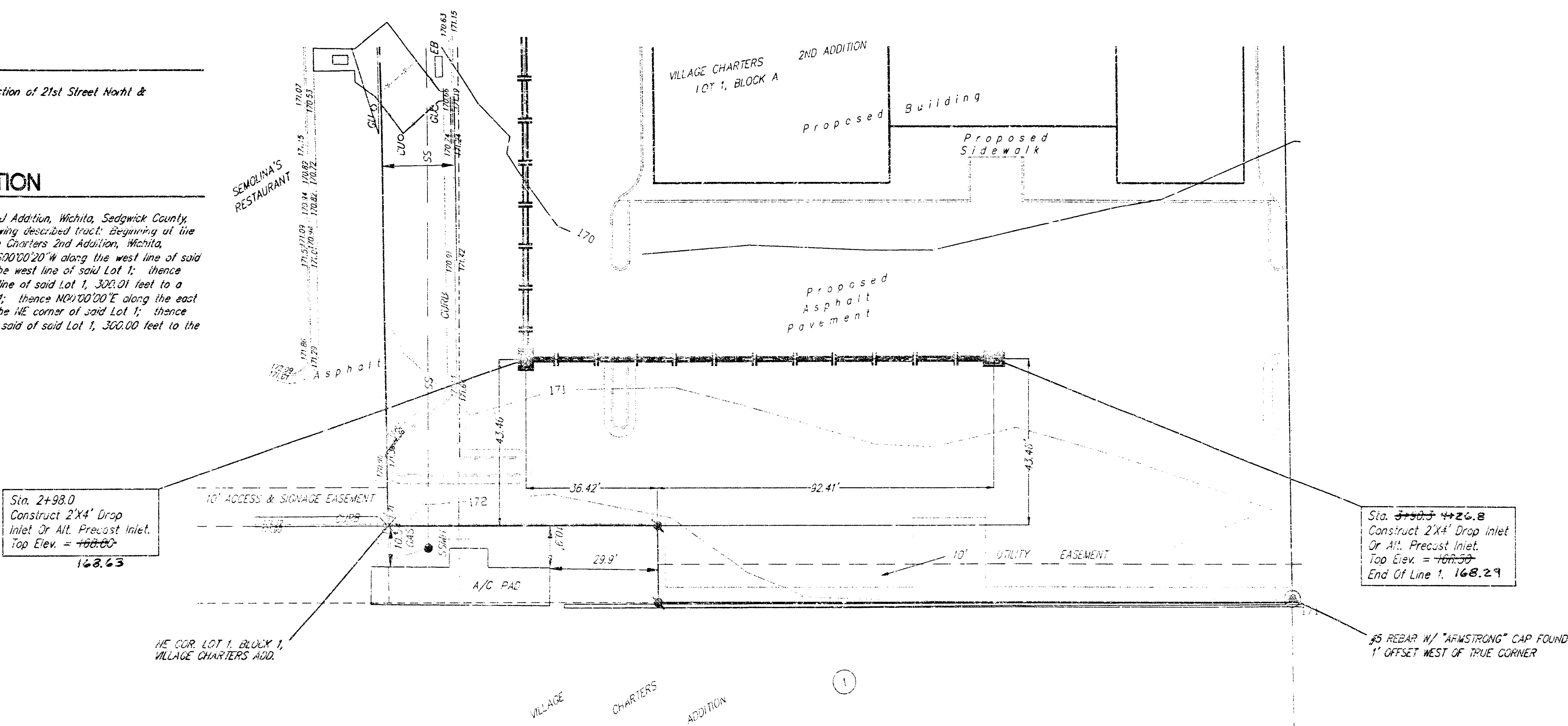


**BENCHMARK**

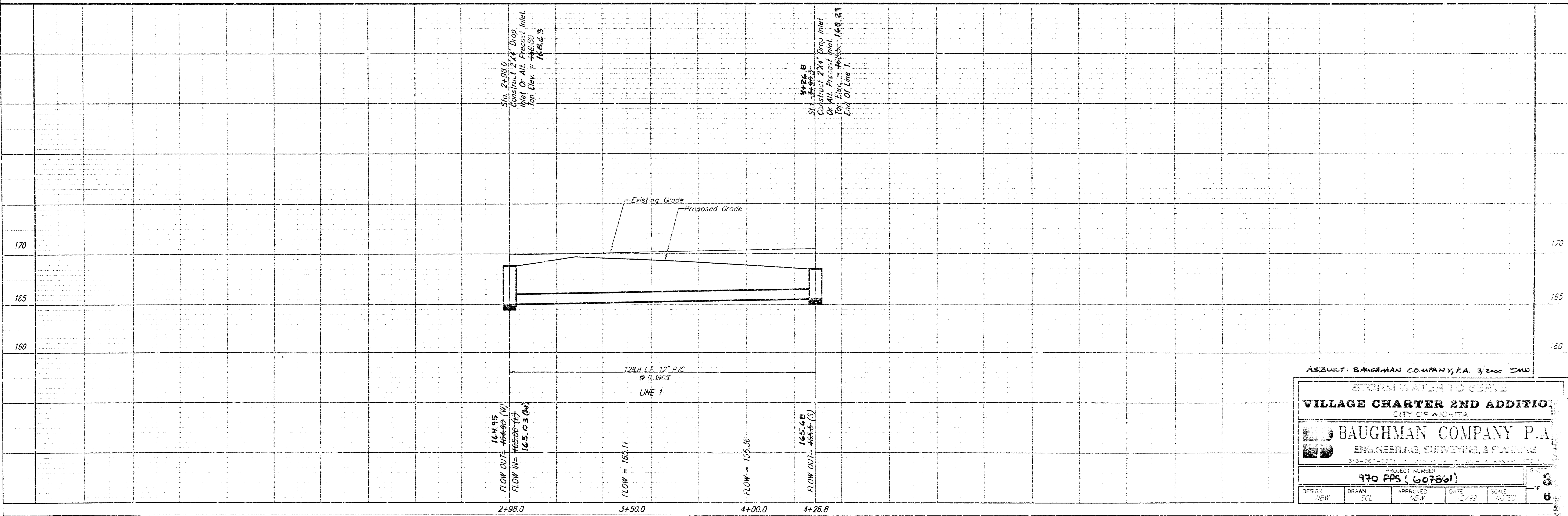
City of Wichita Disc Located Intersection of 21st Street North & Tyler Road.  
Elevation: 170.95 City Datum.

**LEGAL DESCRIPTION**

Lot 1, Block A, Village Charters 2nd Addition, Wichita, Sedgwick County, Kansas, EXCEPT therefrom the following described tract: beginning at the NW corner of Lot 1, Block A, Village Charters 2nd Addition, Wichita, Sedgwick County, Kansas; thence S90°00'20"W along the west line of said Lot 1, 152.88 feet to a corner in the west line of said Lot 1; thence N89°14'16"E parallel with the north line of said Lot 1, 300.01 feet to a point on the east line of said Lot 1; thence N0°00'00"E along the east line of said Lot 1, 152.88 feet to the NE corner of said Lot 1; thence S89°14'16"W along the north line of said Lot 1, 300.00 feet to the point of beginning.



SCALE:  
1" = 20' HORIZONTAL  
1" = 5' VERTICAL  
#4 REBAR W/ "BAUGHMAN" CAP  
#5 REBAR W/ ARMSTRONG CAP



ASBUILT: BAUGHMAN COMPANY, P.A. 3/2000 JMW

STORM WATER TO SERVE  
**VILLAGE CHARTER 2ND ADDITION**  
CITY OF WICHITA

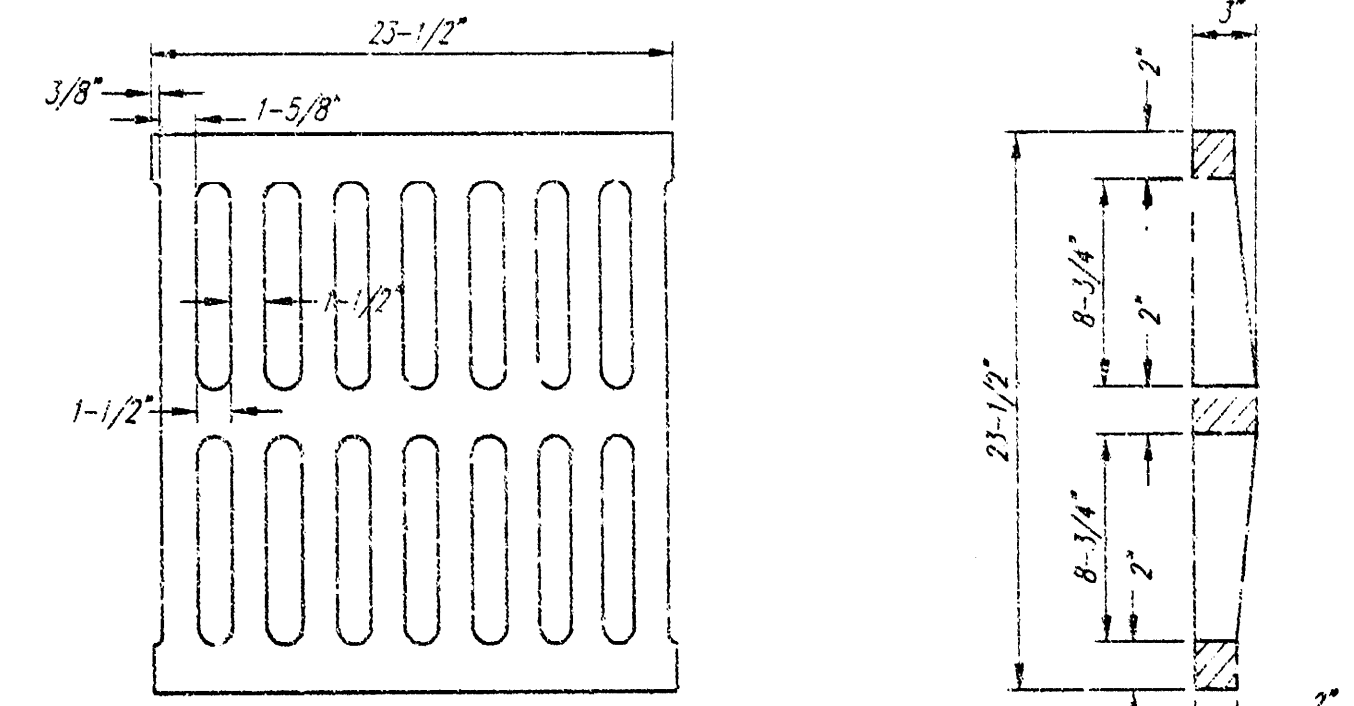
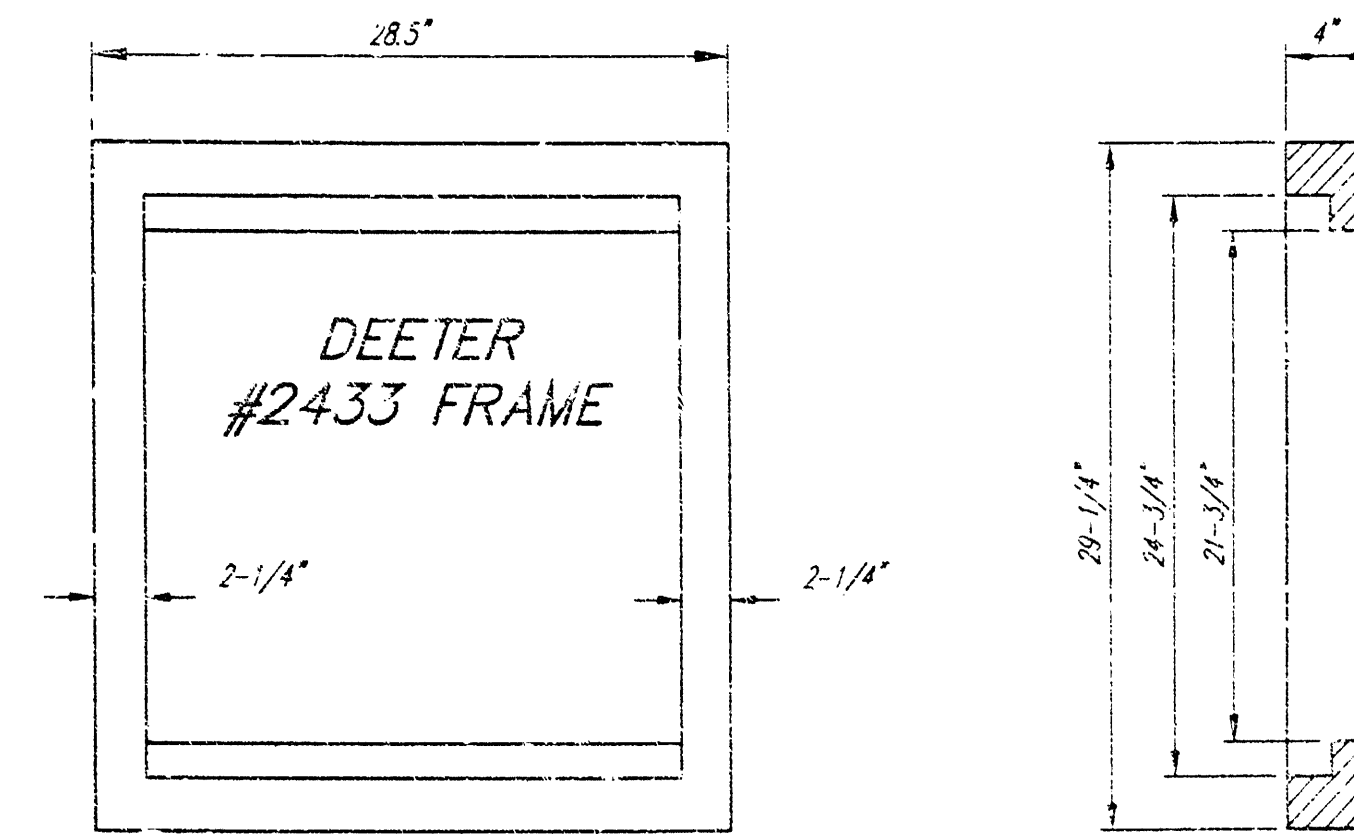
**BAUGHMAN COMPANY P.A.**  
ENGINEERING, SURVEYING, & PLANNING

PROJECT NUMBER  
**970 PPS (607561)**

|               |              |                 |                 |                |
|---------------|--------------|-----------------|-----------------|----------------|
| DESIGN<br>NEW | DRAWN<br>SCZ | APPROVED<br>NEW | DATE<br>12/1/00 | SCALE<br>NOTED |
|---------------|--------------|-----------------|-----------------|----------------|

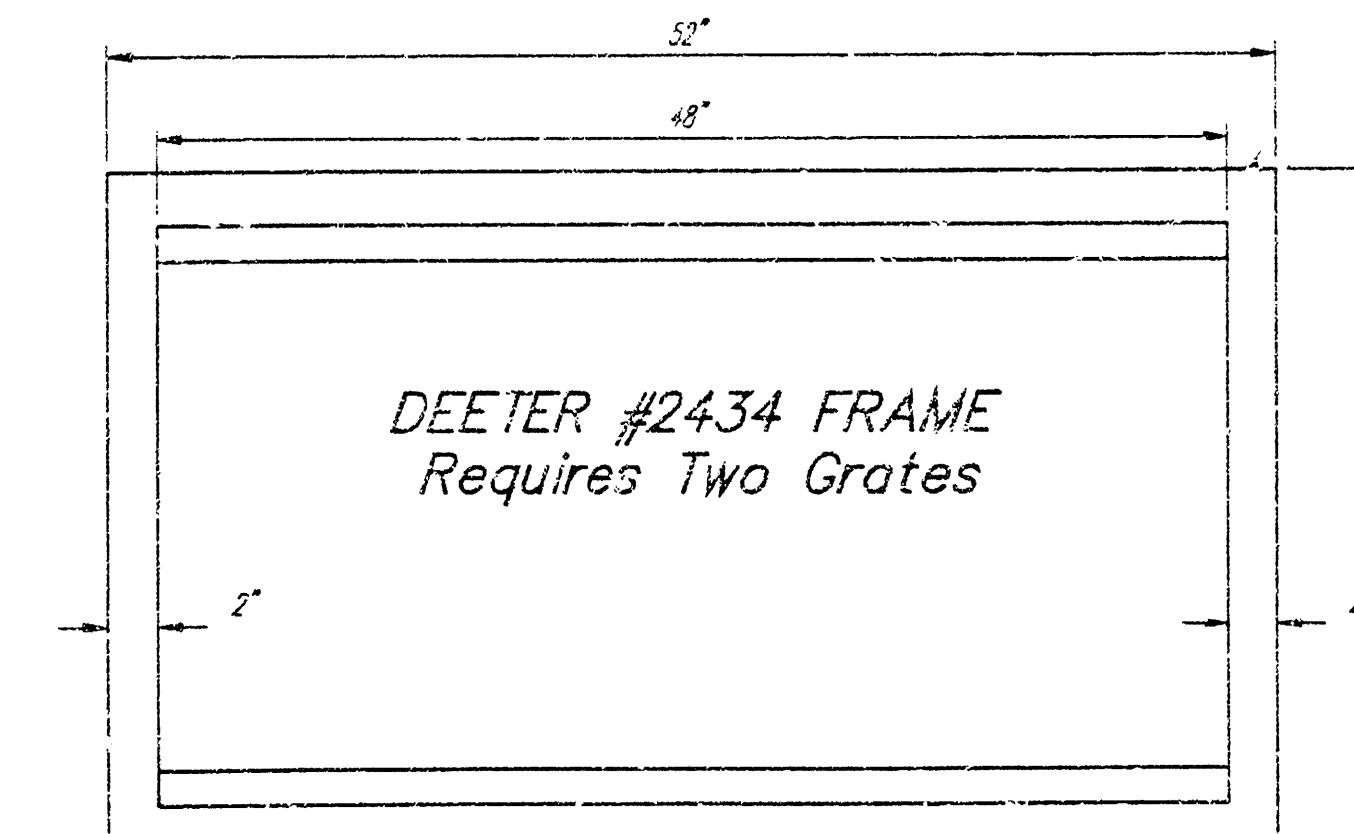
SHEET  
OF  
**6**





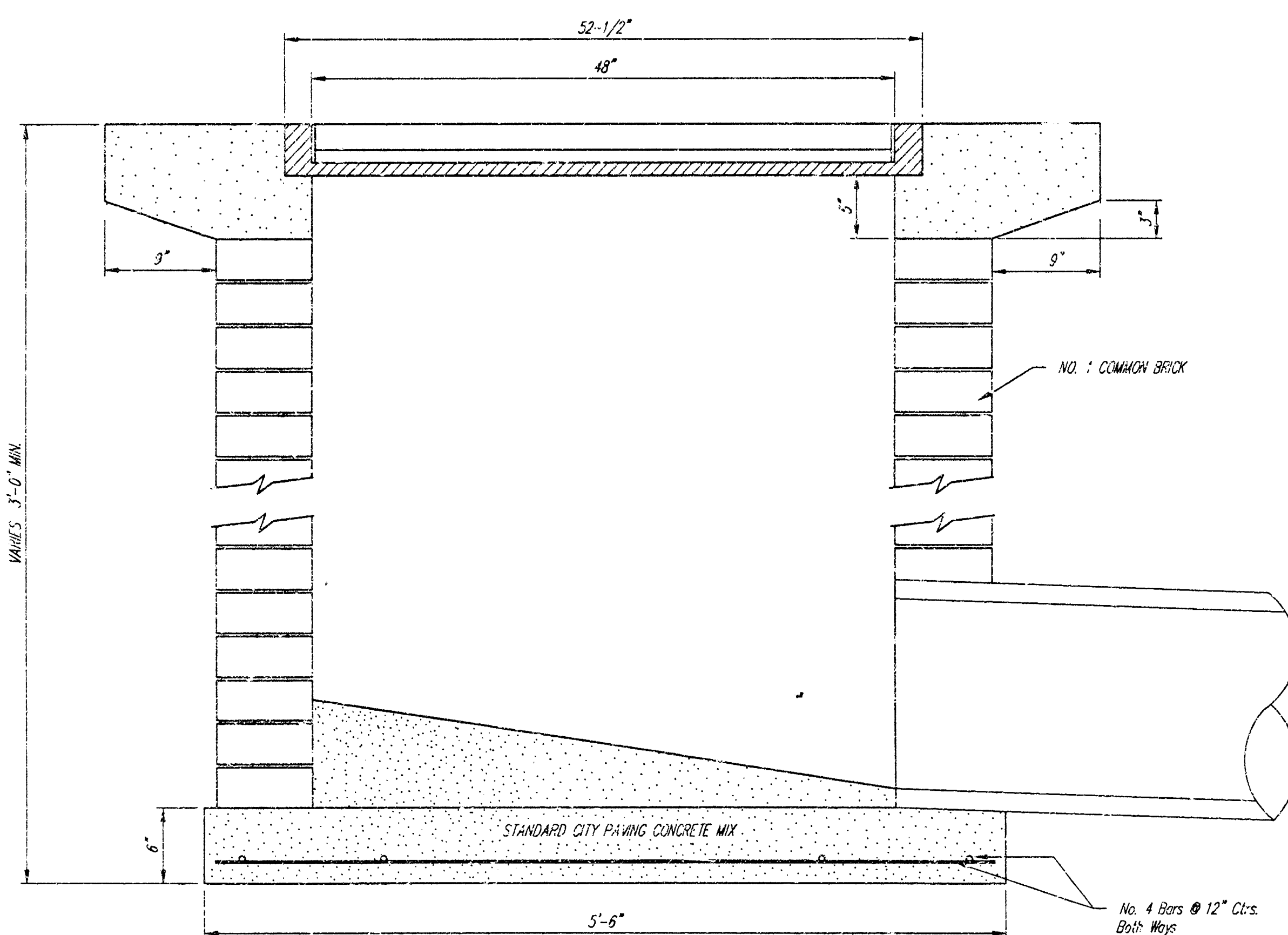
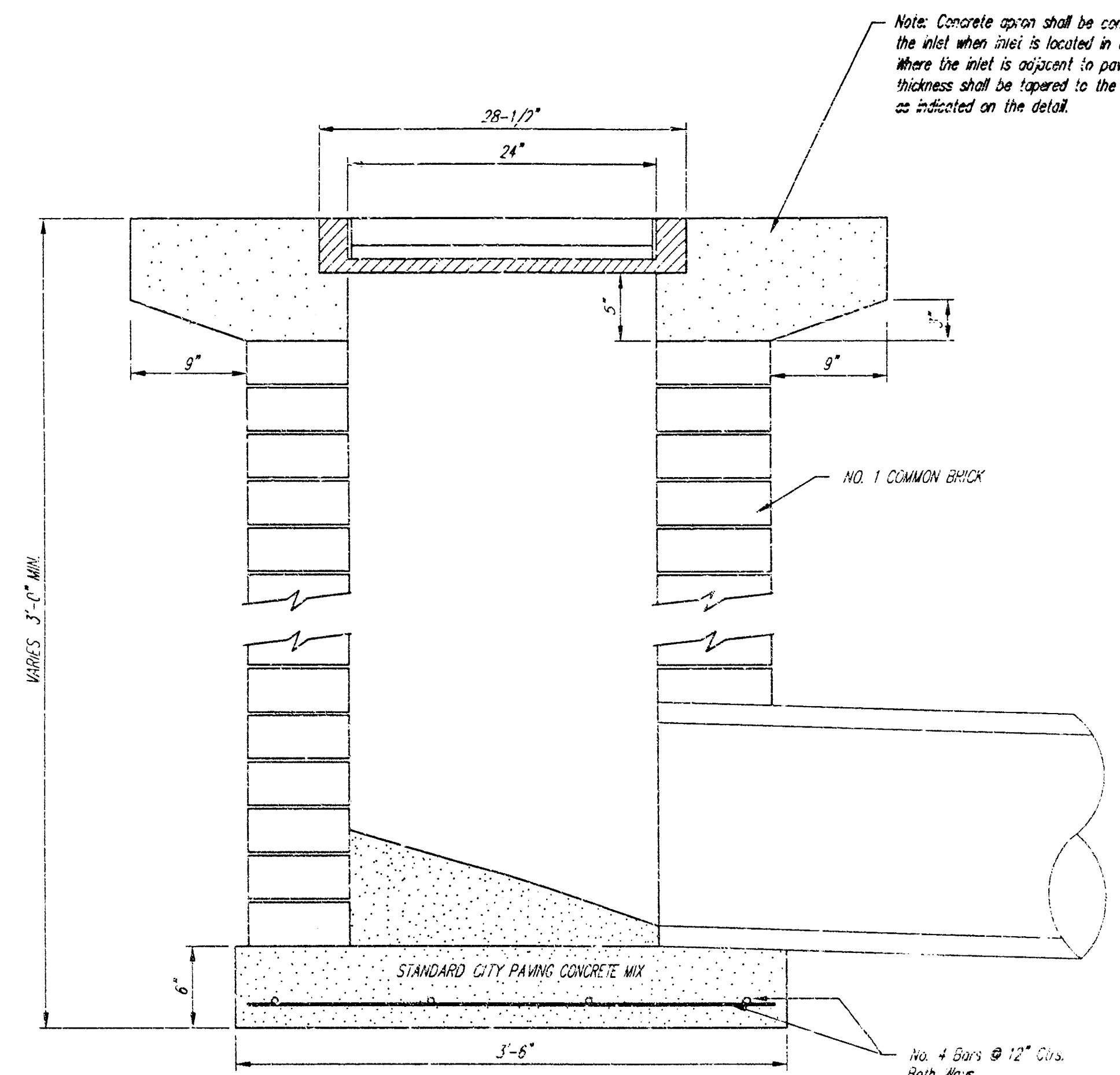
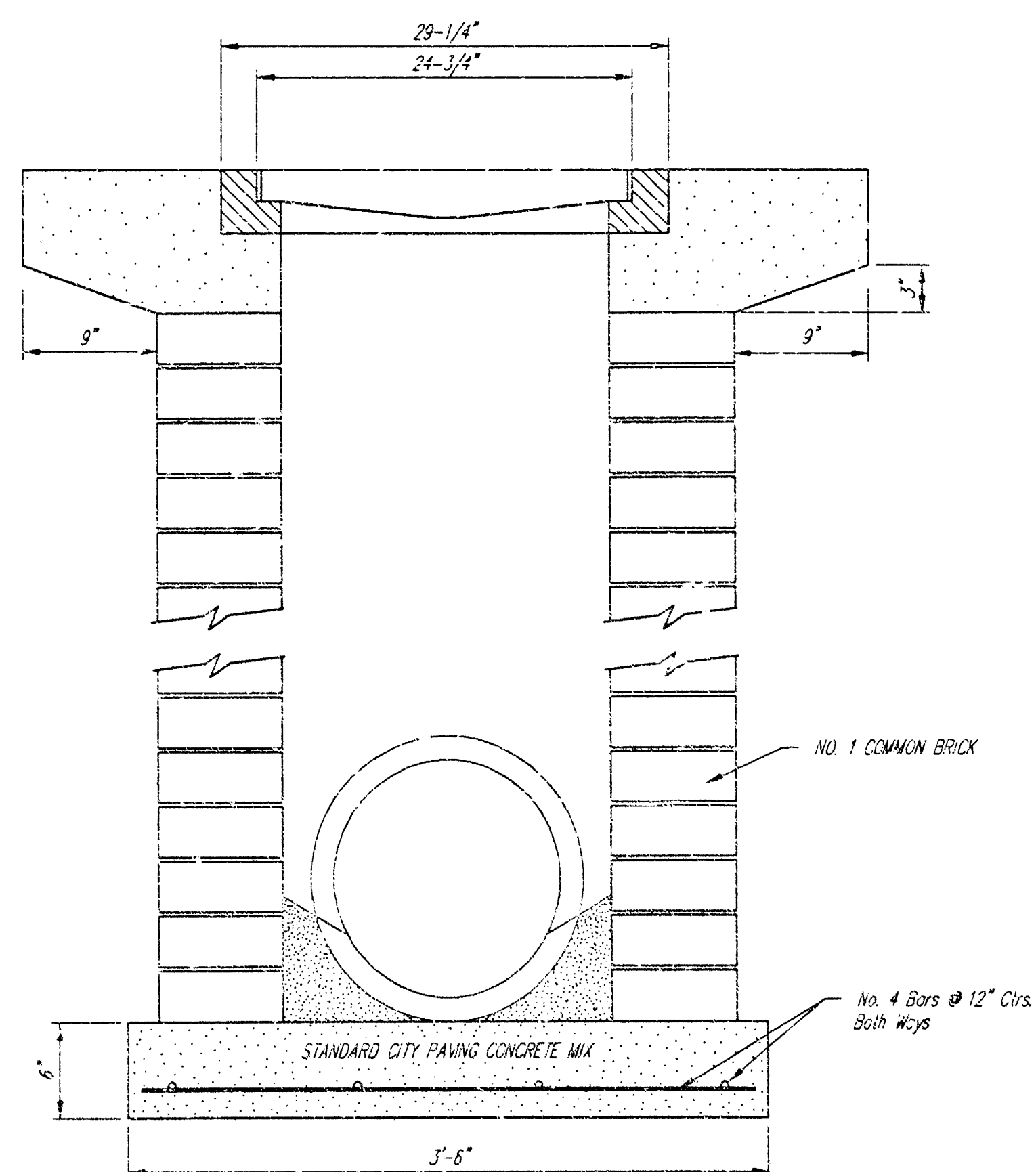
DEETER #2433 GRATE

24" x 24" Frame and Grate Detail



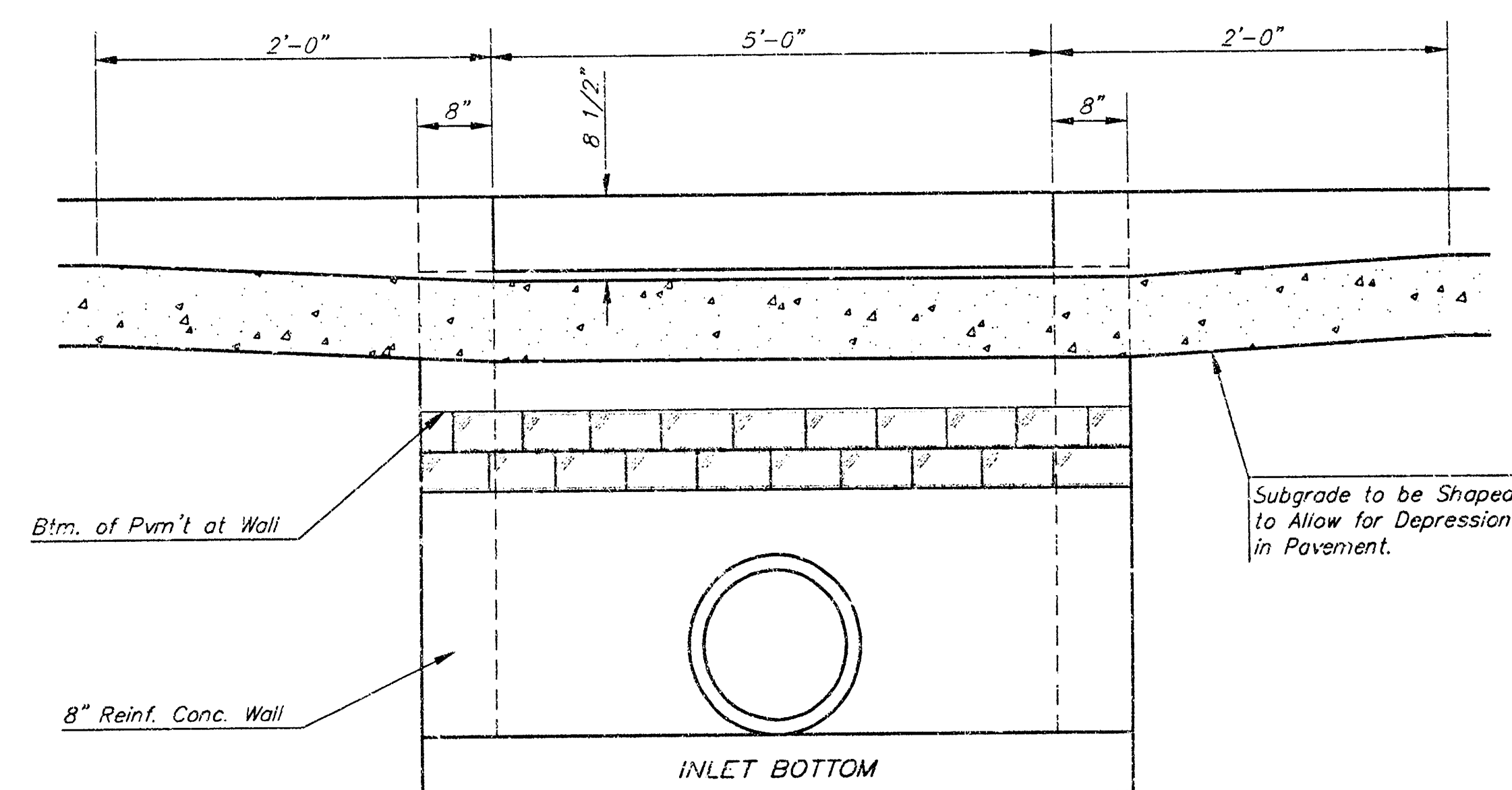
Double 24" x 24" Frame Detail

NOTE: Gr. No. 1 shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.



|                                                  |       |          |       |       |        |
|--------------------------------------------------|-------|----------|-------|-------|--------|
| City of Wichita Standard                         |       |          |       |       |        |
| <b>Drop Inlet</b>                                |       |          |       |       |        |
| BAUGHMAN COMPANY P.A.                            |       |          |       |       |        |
| ENGINEERING, SURVEYING, & PLANNING               |       |          |       |       |        |
| 318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211 |       |          |       |       |        |
| PROJECT NUMBER                                   |       |          |       |       |        |
| 970 PHS (807881)                                 |       |          |       |       |        |
| DESIGN                                           | DRAWN | APPROVED | DATE  | SCALE | SHEET  |
| C.O.W.                                           | Staff |          | 12/99 | NONE  | 4 OF 6 |



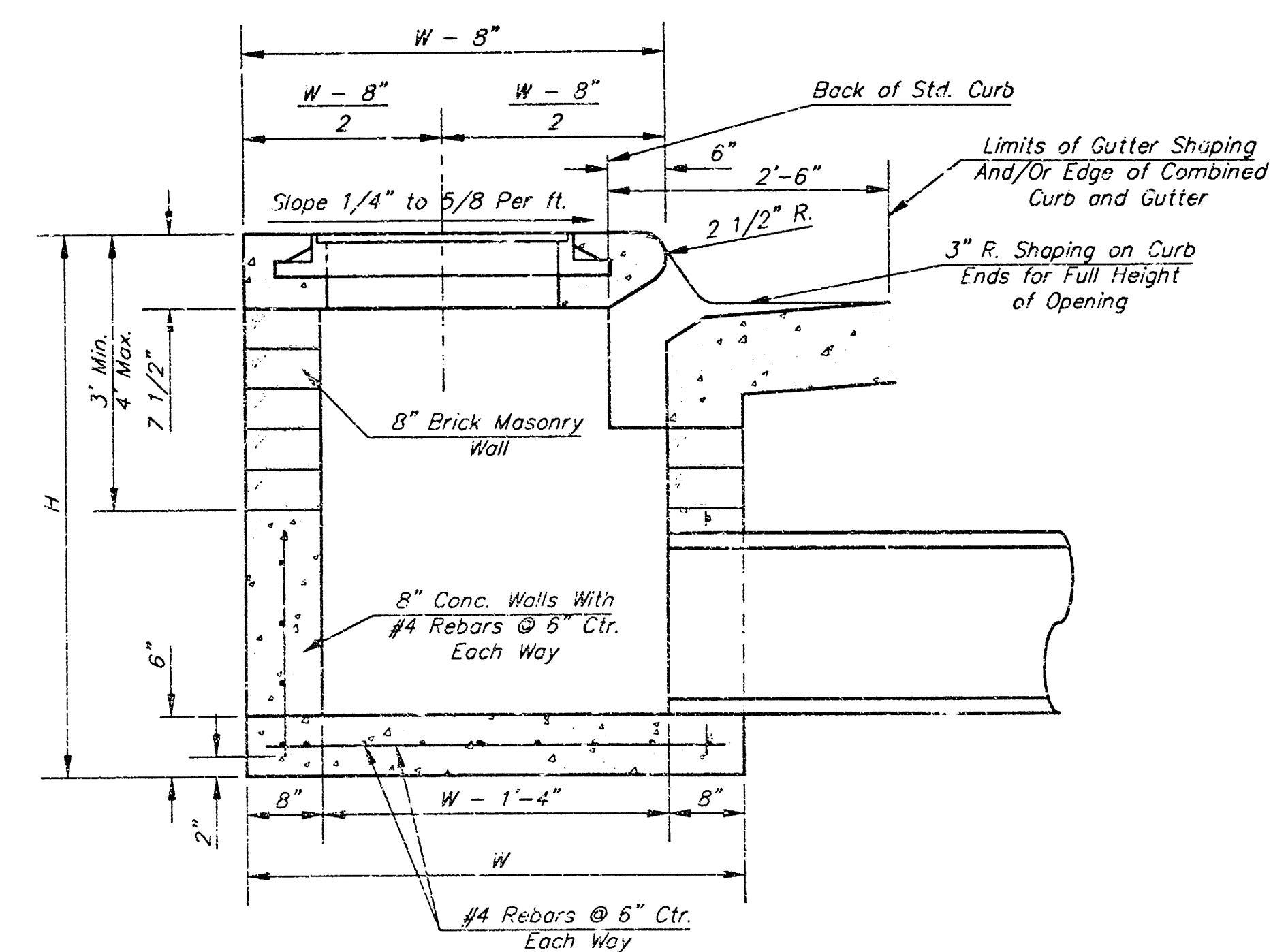


### STEEL SCHEDULE

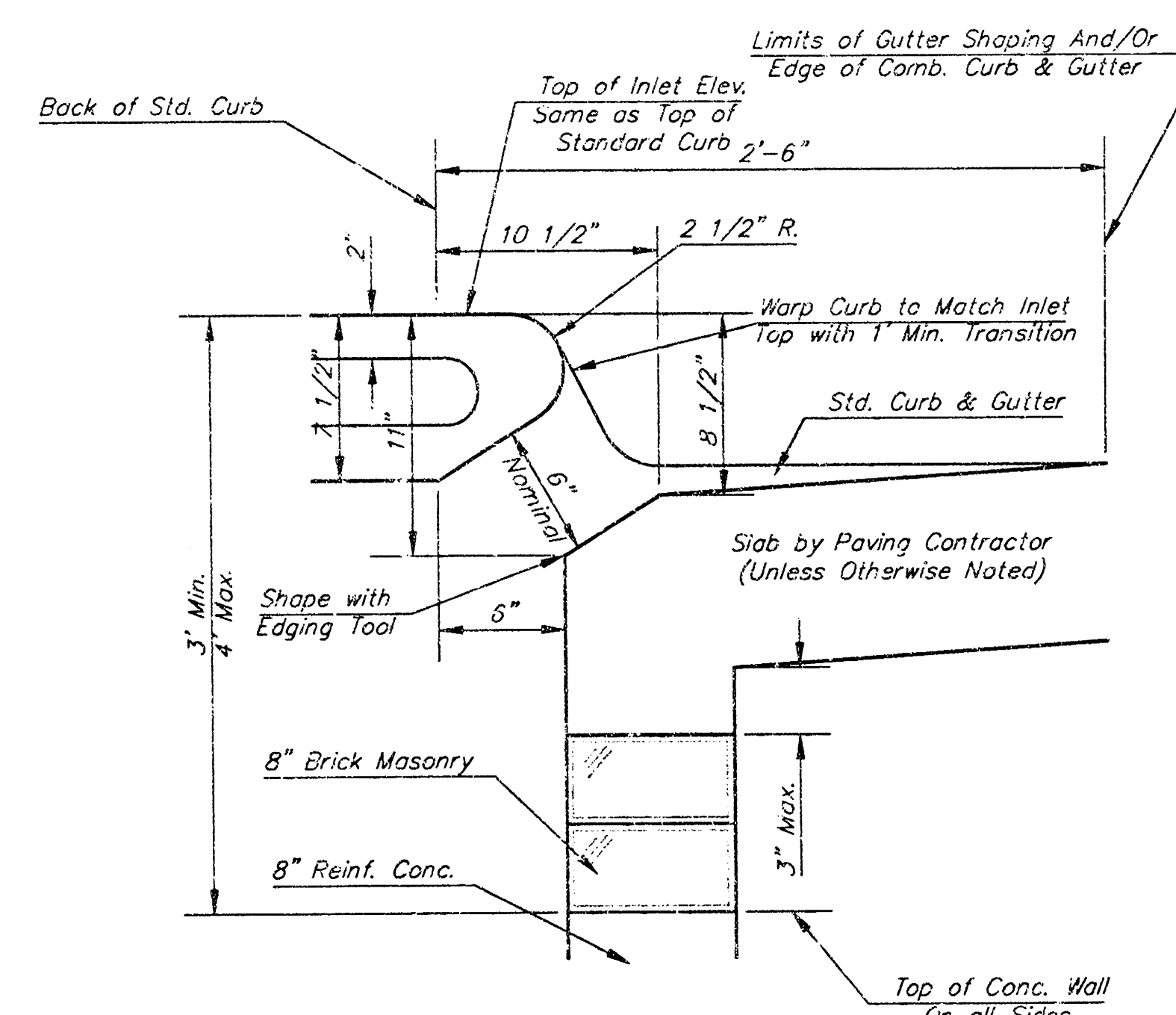
| SILE SOUNDS |           |          |          |         |         |         |    |         |         |         |         |         |       |             |
|-------------|-----------|----------|----------|---------|---------|---------|----|---------|---------|---------|---------|---------|-------|-------------|
| BAR         |           | $a_1$    | $a_2$    | $a_3$   | $b_1$   |         |    |         |         |         | $b_2$   | $b_3$   | $b_4$ | WT.<br>LBS. |
| NUMBER      |           | 4        | 4        | 2       | 1       | 3       | 5  | 4       | 7       | 9       | 6       | 1       | 1     |             |
| SIZE        |           | #4       | #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±   |             |
|             | $W=6'-4"$ | $8'-7"$  | $10'-7"$ | $6'-0"$ | -       | $6'-1"$ | -  | -       | $1'-9"$ | $6'-2"$ | $4'-8"$ | 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:  $q_1$  Bars to be Placed Approx. 2" Below Top of Inlet Cover.

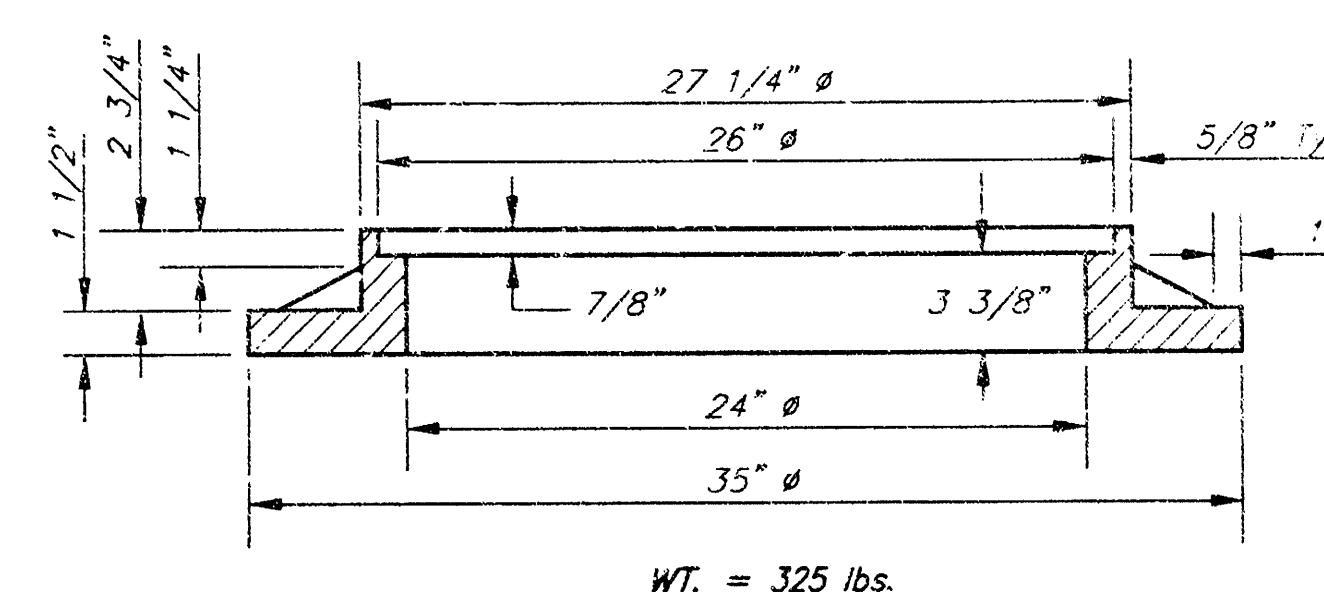
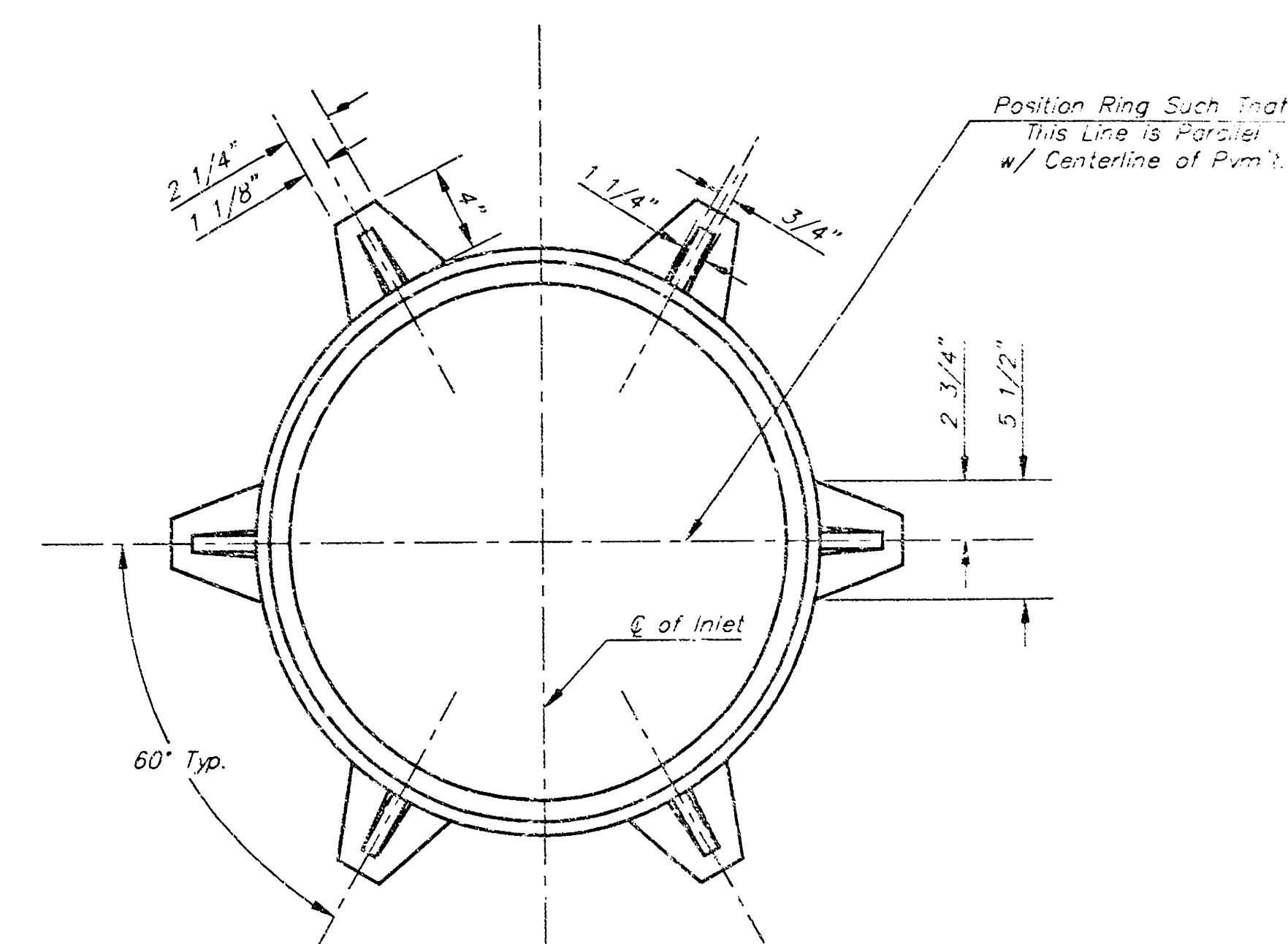
| STANDARD CURB INLET PRECAST TOPS |                    |               |               |
|----------------------------------|--------------------|---------------|---------------|
| W                                | PRE-CAST TOP SIZE  | PIPE SIZE     | CU. YD. CONC. |
| 4'-4"                            | 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'-6" 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±         |



SECTION A-A

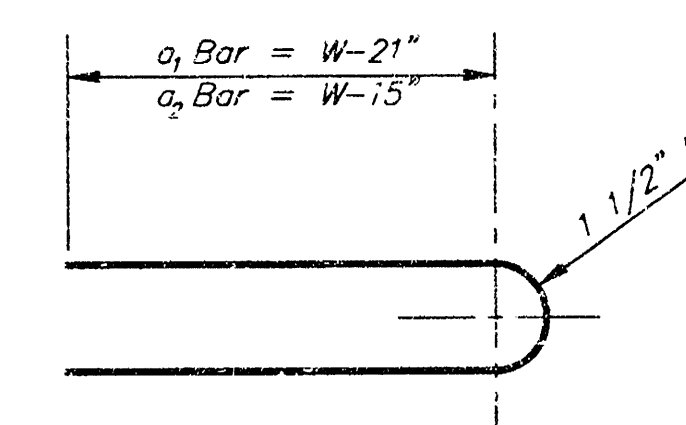


SECTION B--B



WT. = 325 lbs.

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



BENDING DIAGRAM

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 low 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.

CITY OF WICHITA, KANSAS

**TYPE 1 CURB INLET**

INLET OPENING = 6'X5'-0"

**BAUGHMAN COMPANY P.A.**

ENGINEERING, SURVEYING, & PLANNING

316-262-7321 • 316-ELIUS • WICHITA, KANSAS 67211

PROJECT NUMBER

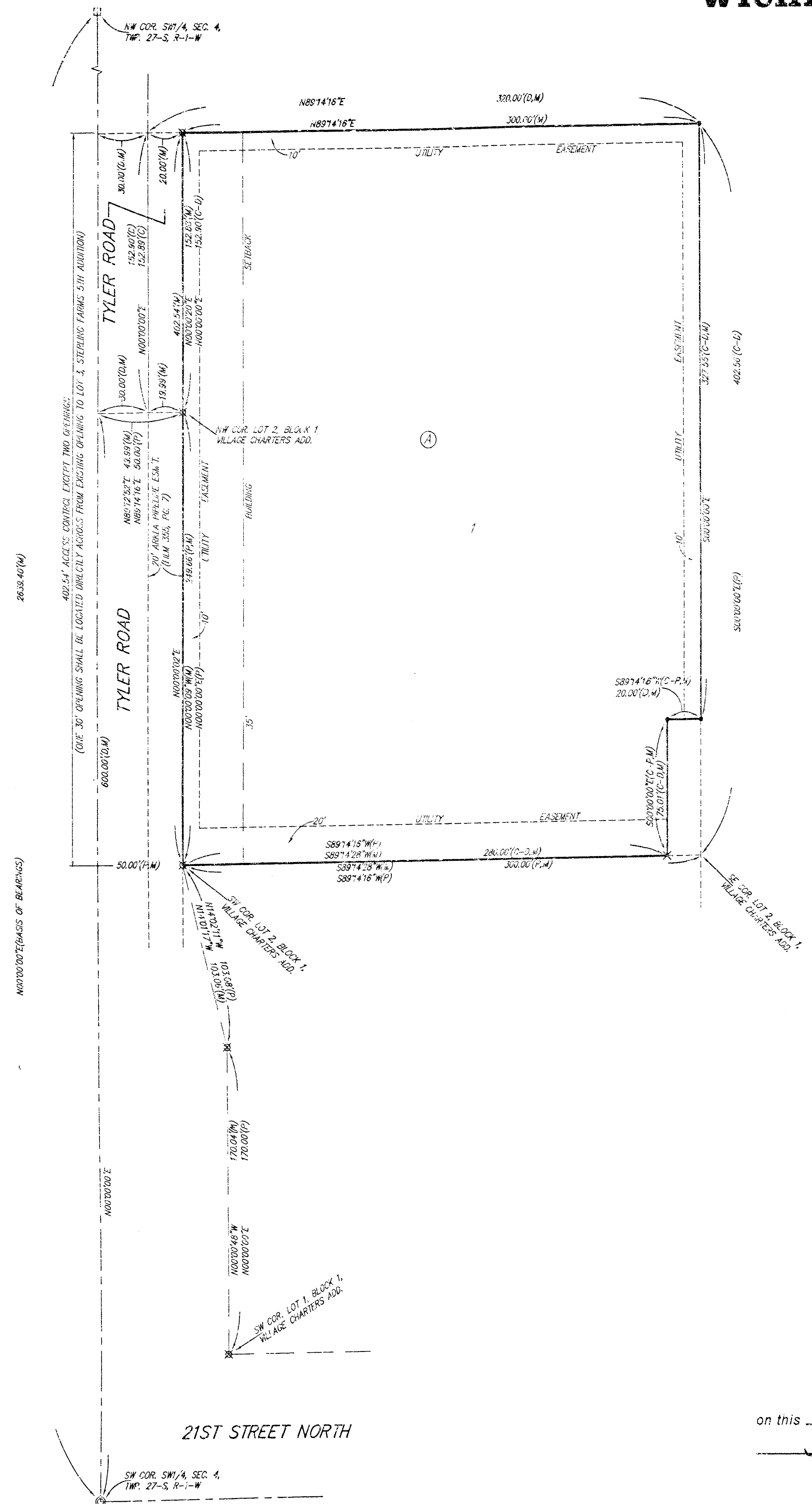
**970 PPS (807851)**

DESIGN DATE: 10/09/98 SCALE: 1/8"=1'-0"

DRAWN BY: STAFF APPROVED: DATE: 10/09/98 SCALE: 1/8"=1'-0"



# VILLAGE CHARTERS 2ND ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



X = CROSS (SET)  
 ● = #4 REBAR W/ "BAUGHMAN" CAP (SEI)  
 X = 3/4" IRON W/ "PLOT" CAP (FOUND)  
 ○ = #6 REBAR IN THIMBLE (FOUND)  
 □ = 1/2" IRON IN THIMBLE (FOUND)

(M) = MEASURED  
 (D) = DESCRIBED  
 (P) = PLATTED  
 (C-P) = CALCULATED FOR PLATTED INFO.  
 (C-D) = CALCULATED FOR DESCRIBED INFO.

NOTE:  
 A MASTER DRAINAGE PLAN FOR DRAINAGE HAS BEEN DEVELOPED FOR THIS SUBDIVISION AND IS ON FILE WITH THE CITY OF WICHITA, KANSAS. ALL DRAINAGE EASEMENTS, RIGHTS-OF-WAY, OR RESERVES SHALL REMAIN AT ESTABLISHED GRADES OR AS MODIFIED WITH THE APPROVAL OF THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS. NO OBSTRUCTIONS WHICH IMPED THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.

Reviewed in accordance with K.S.A. 58-2005  
 on this 14th day of October, 1999.

Tricia L. Robello  
 Tricia L. Robello, LS #1246  
 Deputy County Surveyor  
 Sedgwick County, Kansas

State of Kansas) SS  
 Sedgwick County) We the Baughman Company, P.A., Surveyors  
 in aforesaid county and state do hereby certify that we have surveyed and  
 platted "VILLAGE CHARTERS 2ND ADDITION", Wichita, Sedgwick County,  
 Kansas and that the accompanying plat is a true and correct exhibit of the  
 property surveyed, described as a tract of land in the SW1/4 of Sec. 4,  
 Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas, described as  
 follows: Commencing at the SW corner of said SW1/4; thence N00°00'00"E  
 along the west line of said SW1/4, 600 feet to the intersection with the  
 north line of Lot 2, Block 1, Village Charters Addition, to Sedgwick County,  
 Kansas, as extended west; thence N89°14'16"E along said extended north  
 line, 30 feet for a point of beginning; thence continuing N89°14'16"E along  
 said extended north line, 320 feet to the NE corner of said Lot 2;  
 thence N00°00'00"E along the east line of said Lot 2 as extended north, 152.90  
 feet; thence S89°14'16"W parallel with the north line of said Lot 2, 320 feet  
 to a point 30 feet normally distant east of the west line of said SW1/4;  
 thence S00°00'00"E parallel with the west line of said SW1/4, 152.90 feet  
 to the point of beginning, TOGETHER with Lot 2, Block 1, Village Charters  
 Addition, to Sedgwick County, Kansas, except the east 20.00 feet of the  
 south 75.00 feet thereof.

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

All being situated in the SW1/4 of Sec. 4, Twp. 27-S, R-1-W  
 of the 6th P.M., Sedgwick County, Kansas.

Baughman Company, P.A.

Michael G. Conrey  
 Michael G. Conrey, Surveyor

Know all men by these presents that we, the  
 undersigned, have caused the land in the surveyors certificate to be platted  
 into a Lot, a Block, and a Street, to be known as "VILLAGE CHARTERS 2ND  
 ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are  
 hereby granted as indicated for the construction and maintenance of all  
 public utilities. The street is hereby dedicated to and for the use of the  
 public. All abutters rights of access to or from Tyler Road over and across  
 the west line of Lot 1, Block A, are hereby granted to the City of Wichita,  
 Kansas provided, however, that said Lot 1, Block A, shall have access to  
 Tyler Road at two locations, one location shall be 30 feet in width located  
 directly across from an existing opening to Lot 3, Sterling Farms 5th Addition,  
 Wichita, Kansas, and the other location shall be determined by the City  
 Engineer of the City of Wichita, Kansas.

Village Charters, Inc.

Richard D. Marney  
 Richard D. Marney, President

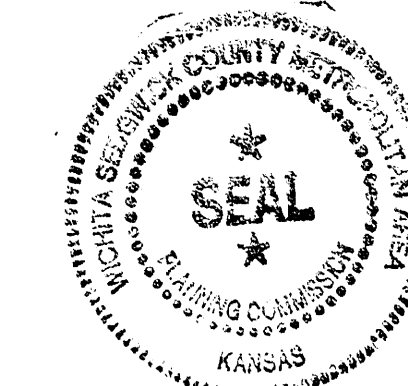
State of Kansas) SS  
 Sedgwick County) The foregoing instrument acknowledged before  
 me, 14th day of August, 1999, by Richard D. Marney, President  
 of Village Charters, Inc., on behalf of the corporation.

JUDITH M. TERHUNE  
 Notary Public - State of Kansas  
 My App'l. Expires 11-7-2001

My App'l. Exp. 11-7-2001

Judith M. Terhune  
 Judith M. Terhune, Notary Public

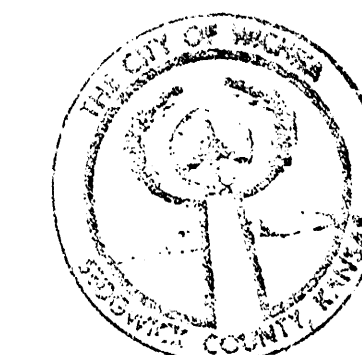
This plat of "VILLAGE CHARTERS 2ND  
 ADDITION", Wichita, Sedgwick County, Kansas has been submitted  
 to and approved by the Wichita-Sedgwick County Metropolitan Area  
 Planning Commission, Wichita, Kansas.  
 Dated this 14th day of April, 1999.  
 Wichita-Sedgwick County Metropolitan Area Planning Commission



William M. Johnson  
 William M. Johnson, Chairman

Marvin S. Krout  
 Marvin S. Krout, Secretary

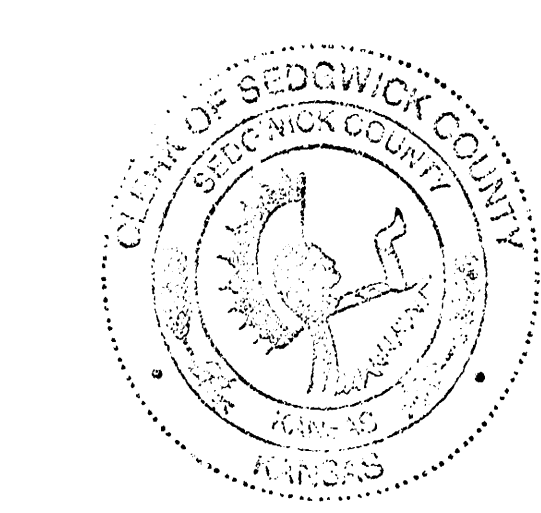
This plat approved and all dedications  
 shown hereon accepted by the City Council of the City of Wichita,  
 Kansas, this 21st day of September, 1999.



Bob Knight  
 Bob Knight, Mayor

Pat Burnett  
 Pat Burnett, City Clerk

Entered on transfer record this 15th day  
 of October, 1999.



James Alford  
 James Alford, County 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 14th day  
 of October, 1999, at 2:26 o'clock P.M.; and is duly recorded.



Bill Meek  
 Bill Meek, Register of Deeds

Linda Kizzire  
 Linda Kizzire, Deputy

18 01 05 05