STORM WATER SEWER - #438

to serve

TIMBER RIDGE 2ND ADDITION

LOTS 2 through 16, Blk. 1
LOTS 1 through 38, Blk 2

Project No.

468 76 245 82243 000 000 001

INDEX CODE:

750398

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

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	263-7511
Kansas Gas & Electric Company	264-1141
Arkla Gas Company	942-835 -or- 253-8161
S.W. Bell Telephone Company	1-571-2811
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071

2. Underground utility service lines and overhead utility pole lines 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. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. 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.

4. The Engineer shall take field ties to all quarter section corners. The Contractor shall set a City survey monument in the required location where such quarter section corners fall within the limits of pavement construction. Survey monuments will be furnished by the City. The Engineer will accurately locate and install the iron at the quarter section corner. This work will not be paid for directly, but shall be considered subsidiary to the other pay items of work in the contract.

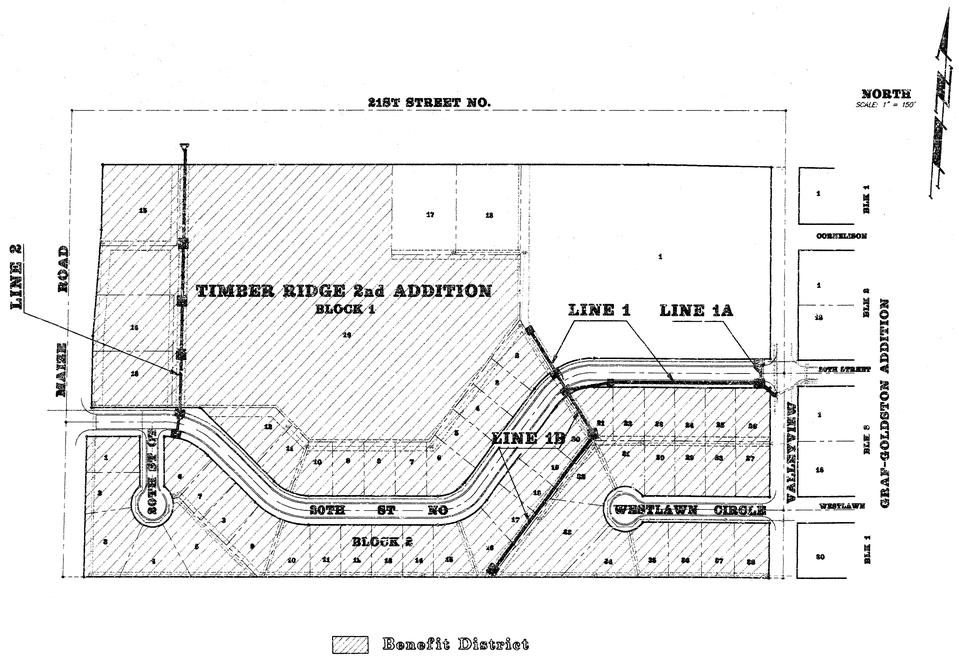
5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

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

7. 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.

8. Where Flowable Fill is required, it shall meet with the standard specifications as set forth by The City of Wichita, Engineering Department. Flowable mortar shall be placed the full depth into the area that covers two feet beyond either side of the pavement by any reasonable means. The fill shall be brought up uniformly to an elevation 12 inches above the top of the pipe or two feet below the bottom of proposed pavement, whichever is higher. Placement of mortar shall then cease and the fill protected from traffic for a period of 72 hours. All materials, labor, equipment, tools and incidentals shall be paid for at the unit price bid per linear foot of trench filled regardless of trench depth and/or pipe sized unless indicated otherwise by plans or contract.

TRAFFIC WILL NOT BE EFFECTED BY CONSTRUCTION ON THIS PROJECT.



BENCHMARKS:

BM #1. City Disc, 64'E & 99'S ℄'s Maize Road and 21st Street North.
Elev.= 164.30 CD

BM #2. "D" T.C. 14.5'E & 15' S of Lot 1, Blk 1 Timber Ridge 2nd Addition. (NE Cor Valleyview & 20th St.)
Elev.= 159.26 CD

INDEX of SHEETS

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PLAN / PROFILE - LINE 1	2
PLAN / PROFILE - LINE 1 & 1A	3
PLAN / PROFILE - LINE 1B	4
PLAN / PROFILE - LINE 2	5 - 6
STANDARD TYPE 1A INLET DETAIL	7
TYPICAL DROP INLET DETAIL	8
PLAT COPY	9

Booked
2-23-94
MC6
D-215

N. BRENT WOOTEN
LICENSED
8470
PROFESSIONAL ENGINEER

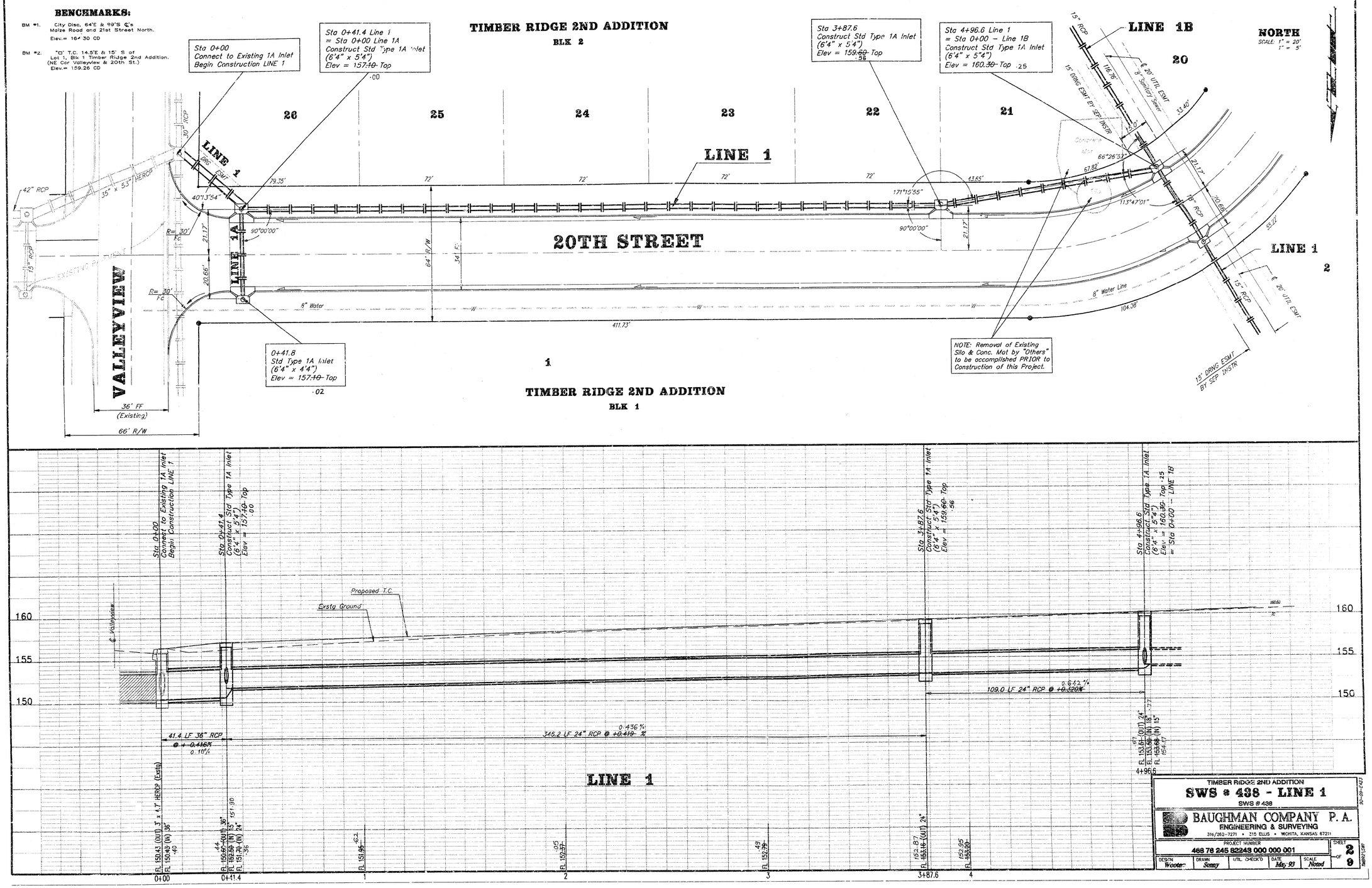
As Built 12-10-93 AZ.

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

BENCHMARKS:

BM #1. City Disc, 64'E & 99'S ℄'s Maize Road and 21st Street North. Elev.= 164 30 CD

BM #2. "D" T.C. 14.5'E & 15' S. of Lot 1, Blk 1 Timber Ridge 2nd Addition. (NE Cor Valleyview & 20th St.) Elev.= 159.26 CD



TIMBER RIDGE 2ND ADDITION

SWS # 438 - LINE 1

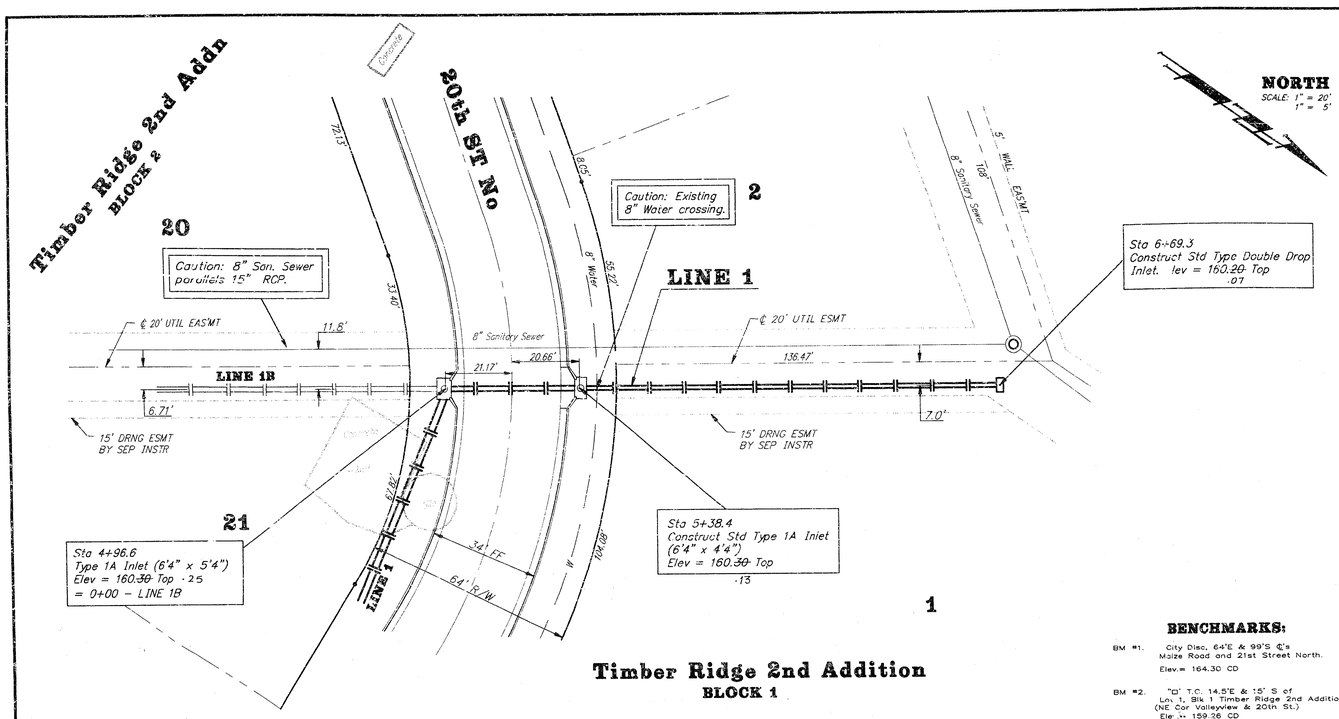
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BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 215 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: 468 78 245 82243 000 000 001

DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
Wooter	Sonny		May 93	Noted

SHEET 2 OF 9

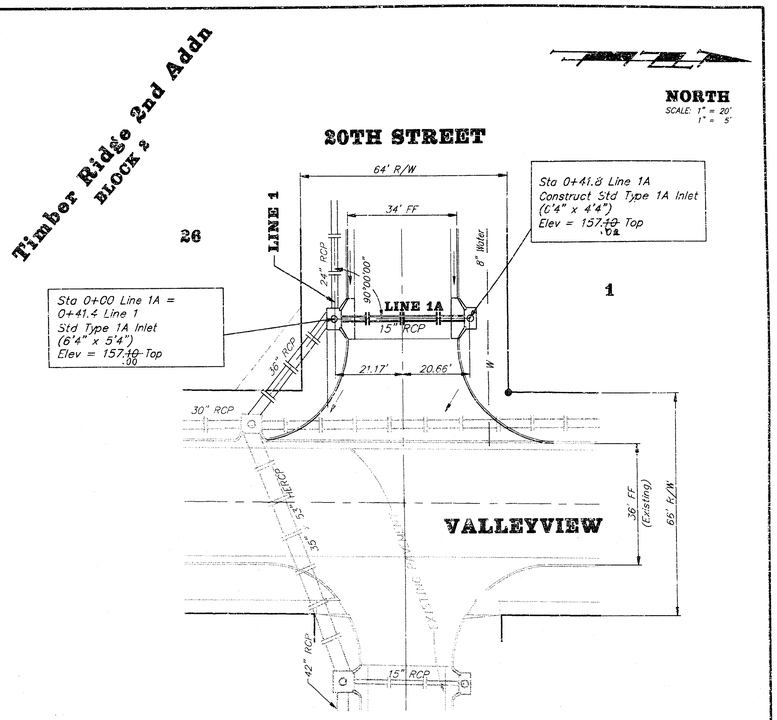


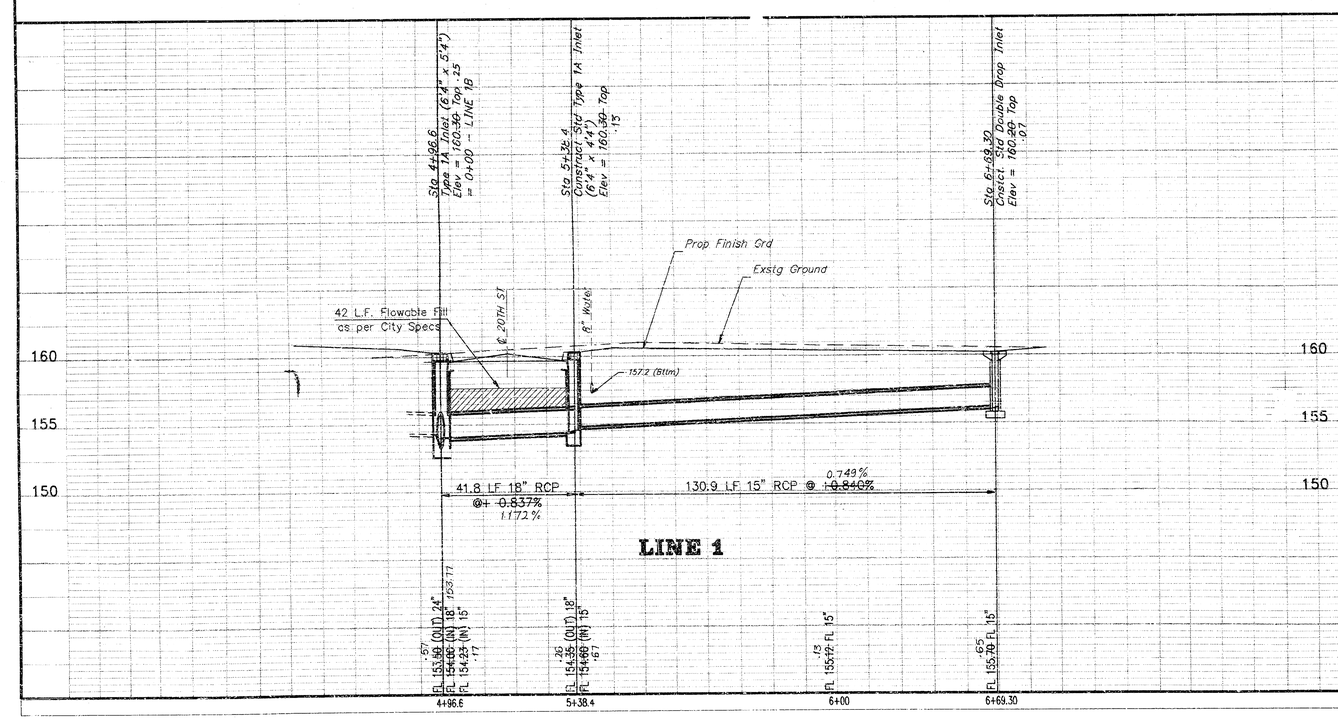
Timber Ridge 2nd Addition
BLOCK 1

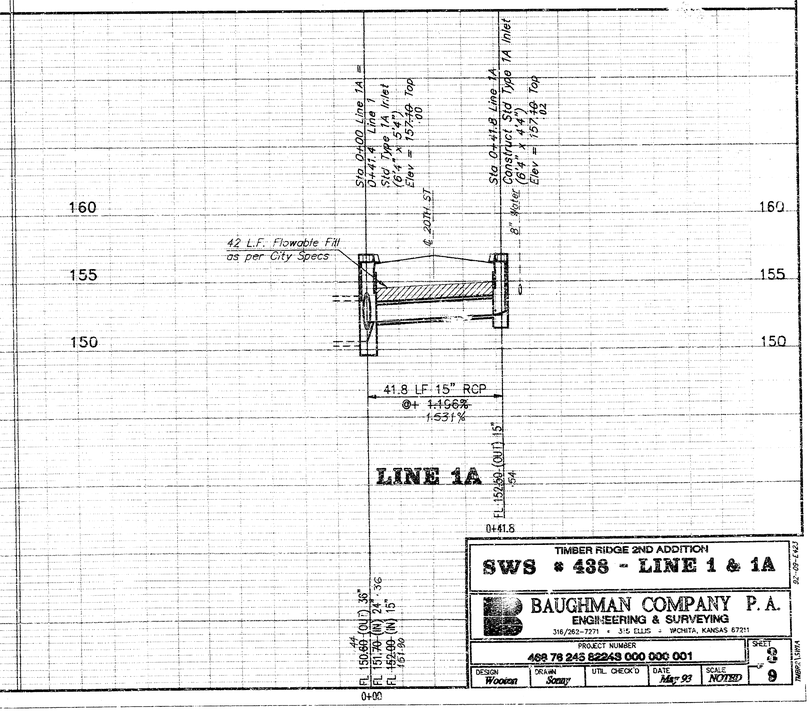
BENCHMARKS:

BM #1. City Disc, 64'E & 99'S ℄'s Maize Road and 21st Street North.
Elev.= 164.30 CD

BM #2. "D" T.C. 14.5'E & 15' S of Lot 1, Blk 1 Timber Ridge 2nd Addition. (NE Cor Valleyview & 20th St.)
Elev.= 159.26 CD







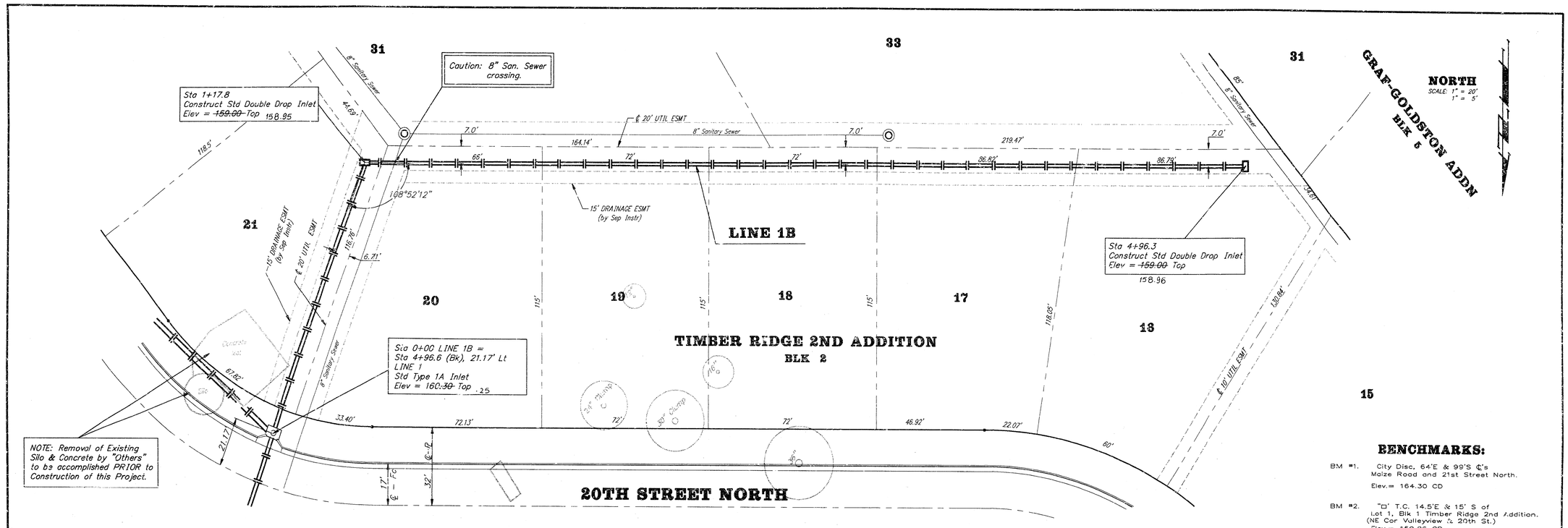
TIMBER RIDGE 2ND ADDITION

SWS # 438 - LINE 1 & 1A

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

PROJECT NUMBER				SHEET
438 76 245 82243 000 000 001				C2 9
DESIGN: Wooten	DRAWN: Scott	UTIL. CHECK'D	DATE: May 93	SCALE: NOTED

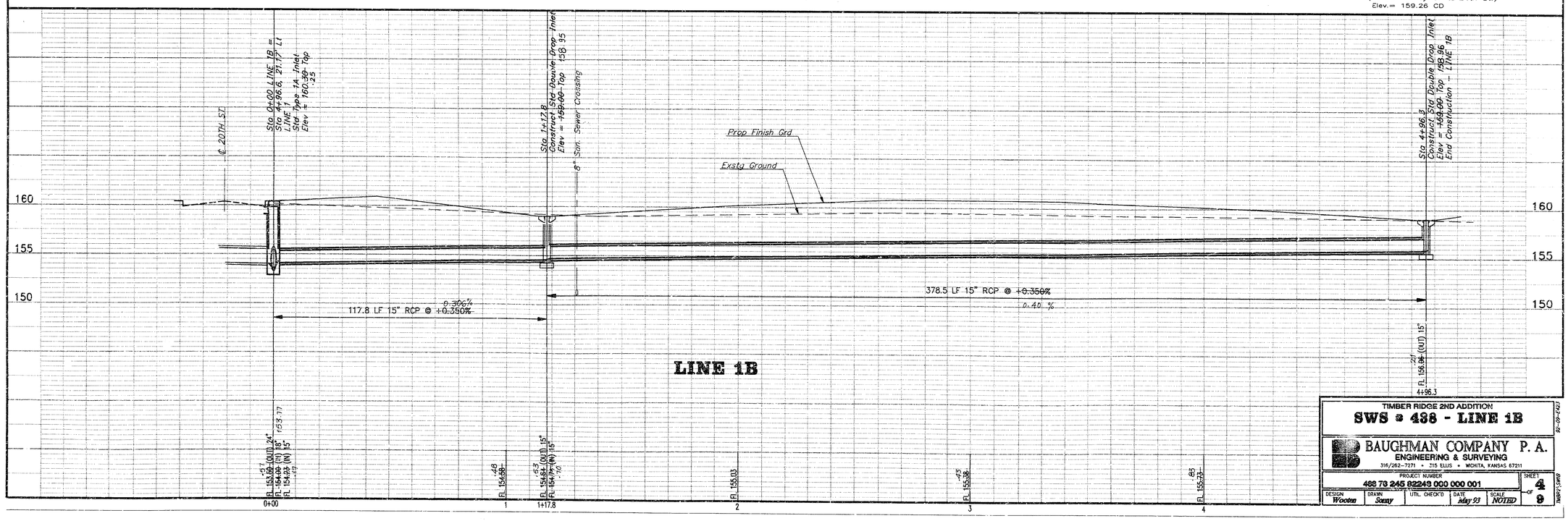
92-05-1427



BENCHMARKS:

BM #1. City Disc, 64'E & 99'S ℄'s
Maize Road and 21st Street North.
Elev.= 164.30 CD

BM #2. "□" T.C. 14.5'E & 15' S of
Lot 1, Blk 1 Timber Ridge 2nd Addition.
(NE Cor Valleyview & 20th St.)
Elev.= 159.26 CD



TIMBER RIDGE 2ND ADDITION

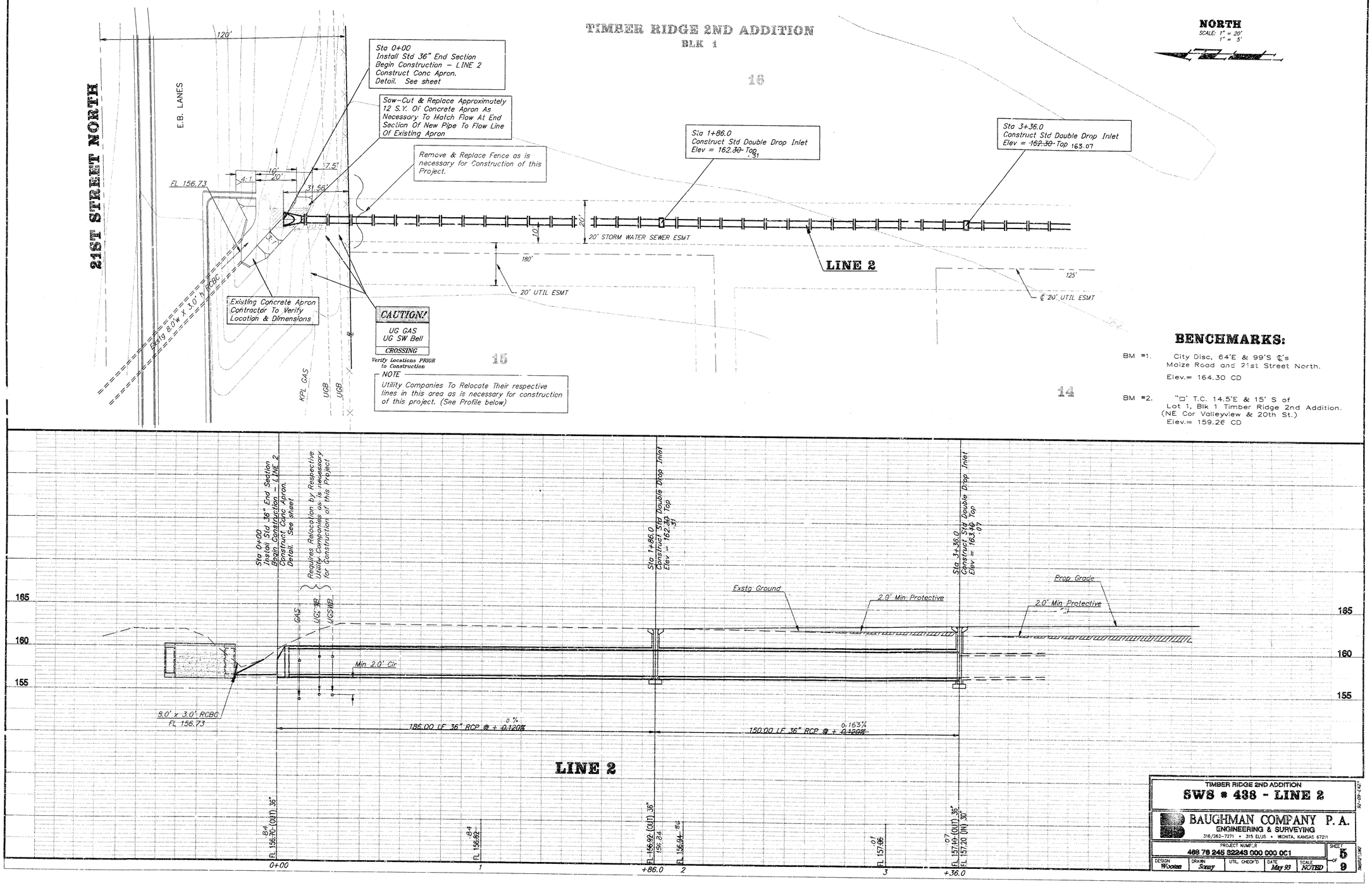
SWS # 438 - LINE 1B

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

PROJECT NUMBER	SHEET
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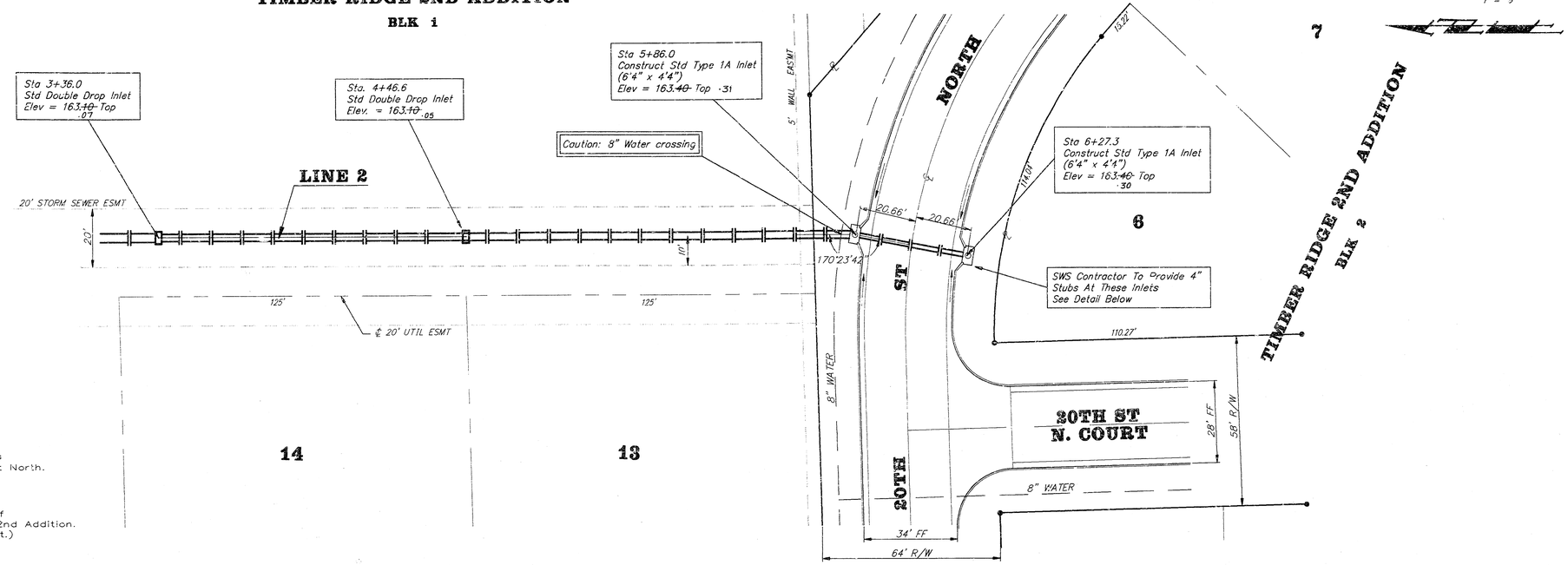
DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
Woosa	Sonny		May 93	NOTED

02-09-440
DWG\LSWG


TIMBER RIDGE 2ND ADDITION
BLK 1
16
15
14
NORTH
SCALE: 1" = 20'
1" = 5'
21ST STREET NORTH
E.B. LANES
120'
Sta 0+00
Install Std 36" End Section
Begin Construction – LINE 2
Construct Conc Apron.
Detail. See sheet
Saw-Cut & Replace Approximutely
12 S.Y. Of Concrete Apron As
Necessary To Match Flow At End
Section Of New Pipe To Flow Line
Of Existing Apron
Remove & Replace Fence as is
necessary for Construction of this
Project.
Sta 1+86.0
Construct Std Double Drop Inlet
Elev = 162.30 Top 162.31
Sta 3+36.0
Construct Std Double Drop Inlet
Elev = 162.30 Top 163.07
FL 156.73
4:1
10'
20'
7.5'
31.56'
10'
20'
20' STORM WATER SEWER ESMT
LINE 2
180'
20' UTIL ESMT
125'
℄ 20' UTIL ESMT
Existing Concrete Apron
Contractor To Verify
Location & Dimensions
Exstg 8.0'w x 3.0' h RCBC
CAUTION!
UG GAS
UG SW Bell
CROSSING
Verify Locations PRIOR to Construction
NOTE
Utility Companies To Relocate Their respective
lines in this area as is necessary for construction
of this project. (See Profile below)
KPL GAS
UGB
UGB
BENCHMARKS:
BM #1. City Disc, 64'E & 99'S ℄'s
Maize Road and 21st Street North.
Elev.= 164.30 CD
BM #2. "D" T.C. 14.5'E & 15' S of
Lot 1, Blk 1 Timber Ridge 2nd Addition.
(NE Cor Valleyview & 20th St.)
Elev.= 159.26 CD
Sta 0+00
Install Std 36" End Section
Begin Construction – LINE 2
Construct Conc Apron.
Detail. See sheet
Requires Relocation by Respective
Utility Companies as is necessary
for Construction of this Project.
Sta 1+86.0
Construct Std Double Drop Inlet
Elev = 162.30 Top 162.31
Sta 3+36.0
Construct Std Double Drop Inlet
Elev = 163.46 Top 163.07
Exstg Ground
2.0' Min. Protective
Prop Grade
2.0' Min. Protective
GAS
UGT
UGSWB
Min 2.0' Cir
165
160
155
3.0' x 3.0' RCBC
FL 156.73
0 %
186.00 LF 36" RCP @ + 0.120%
0.153%
150.00 LF 36" RCP @ + 0.120%
LINE 2
.84
FL 156.73 (OUT) 36"
.84
FL 156.92
FL 156.92 (OUT) 36"
156.84
.86
FL 156.94
.01
FL 157.06
.07
FL 157.49 (OUT) 36"
FL 157.20 (IN) 30"
0+00
1
+86.0
2
3
+36.0
TIMBER RIDGE 2ND ADDITION
SWS # 438 - LINE 2
BAUGHMAN COMPANY P.A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211
PROJECT NUMBER
488 76 245 32243 000 000 001
SHEET 5 OF 9
DESIGN Wooten
DRAWN Sway
UTIL. CHECK'D
DATE May 93
SCALE NOTED
94-08-1427

TIMBER RIDGE 2ND ADDITION

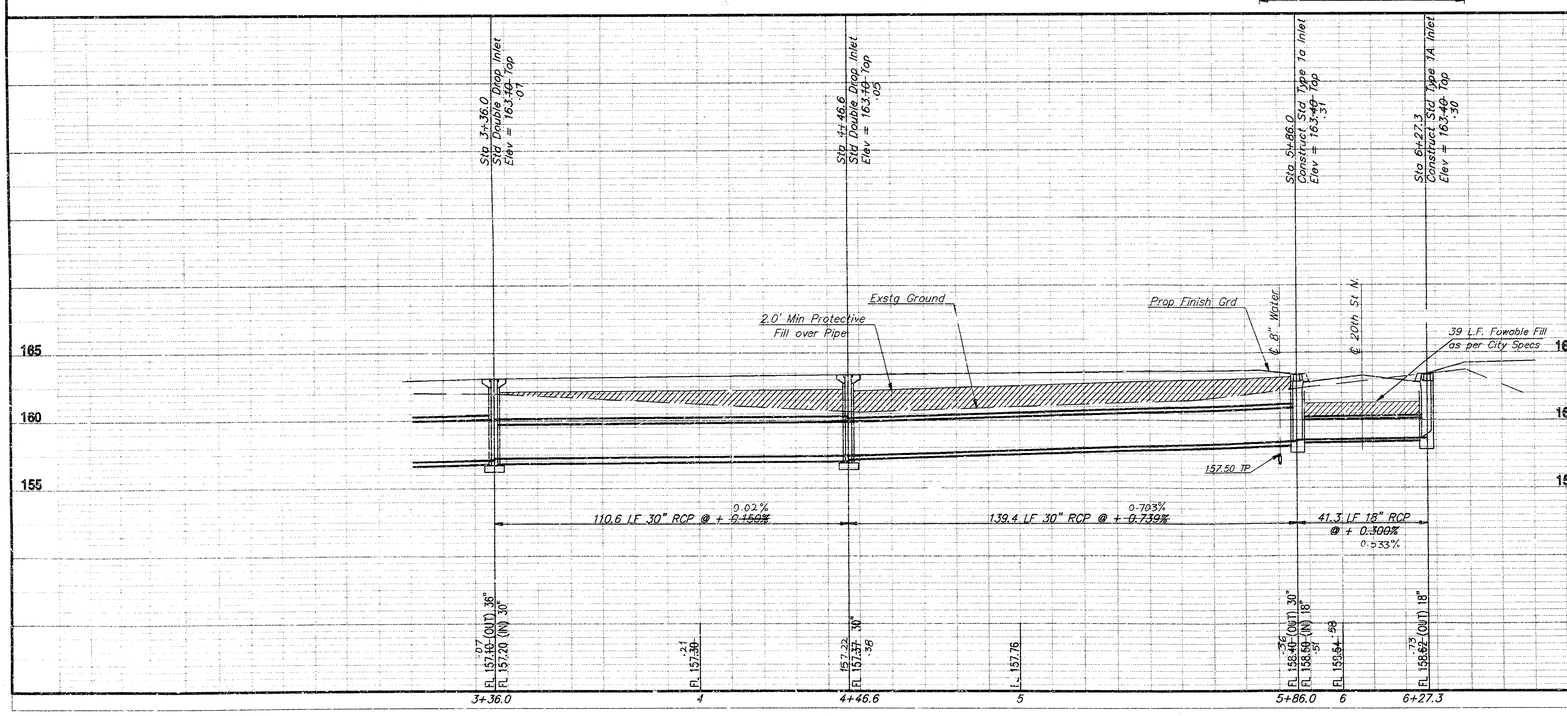
BLK 1

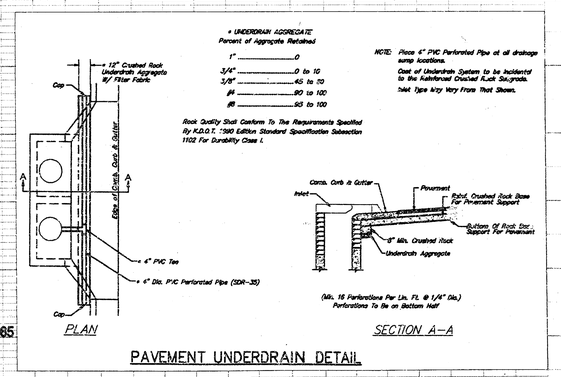


BENCHMARKS:

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Elev.= 164.30 CD

BM #2. "□" T.C. 14.5'E & 15' S of Lot 1, Blk 1 Timber Ridge 2nd Addition. (NE Cor Valleyview & 20th St.)
Elev.= 159.26 CD





PAVEMENT UNDERDRAIN DETAIL

TIMBER RIDGE 2ND ADDITION

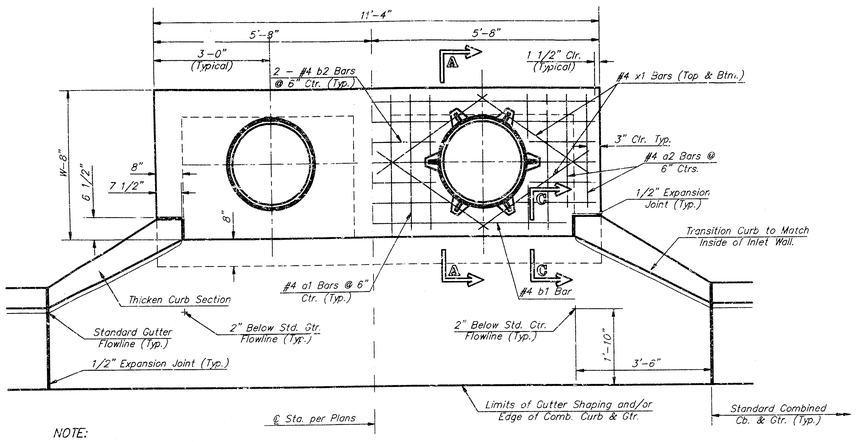
SWS - LINE 2

SWS # 438

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

PROJECT NUMBER					SHEET
438 78 245 P2243 000 000 001					8
DESIGN: Wooten	DRAIN: Nancy	UTIL. CHECK'D	DATE: 05-19-93	SCALE: NOTED	OF 9

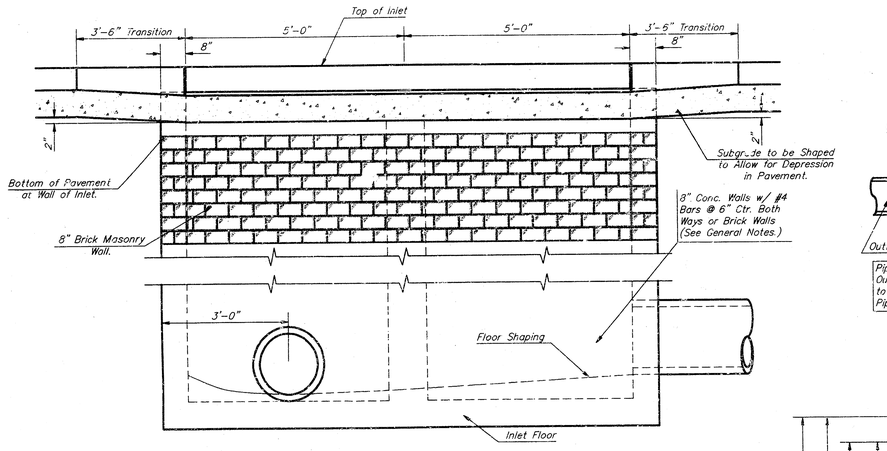
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438P1.DGN



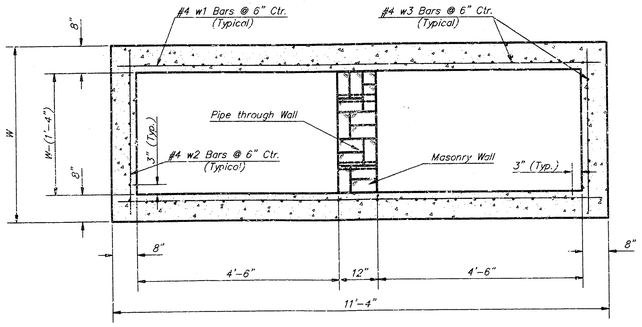
NOTE:
Expansion Joint Only in Curb Area with Concrete Pavement.

PLAN

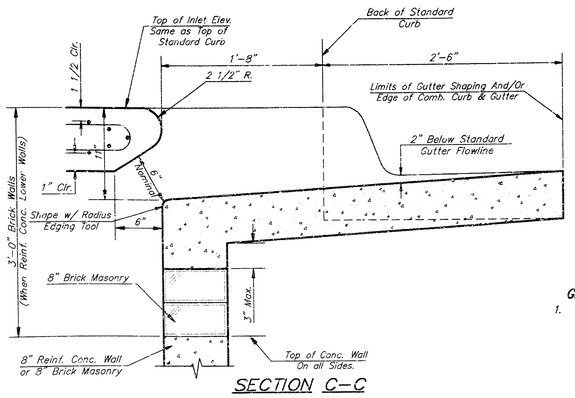
*Left Side Shown Without Slab Reinforcing, Right Side Shown With Slab Reinforcing



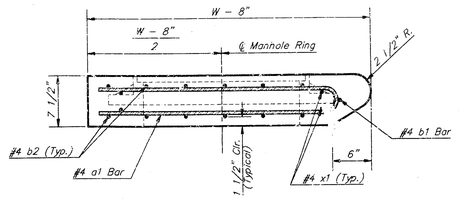
ELEVATION



SECTION B-B



SECTION C-C



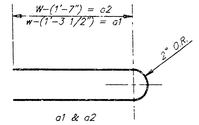
SECTION A-A

PRECAST SLAB AND FLOOR REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
* a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
* b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"
WALL REINFORCING											
		W = 4'-4"		W = 5'-4"		W = 6'-4"		W = 7'-4"		W = 8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	52	②	56	②	60	②	64	②	68	②

* Field Bend or Cut Reinforcing as Required for Clearance.
① 4 (HI - 12") (HI - 21") Rounded down to nearest 0.5'
② HI - 3"

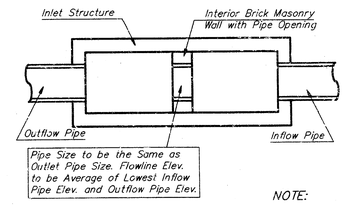
GENERAL NOTES:

1. The contractor shall be required to construct 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" or less and H=7'-0" or less. When W is greater than 6'-4" and H is less than 7'-0" the outside inlet walls below the brick stack shall be reinforced concrete construction and the center wall shall be of masonry construction as shown for the masonry wall option.
2. 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.
3. 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.
4. Inlet top reinforcing shall be spaced on 6" max. centers. Inlet lids shall be notched out as indicated to facilitate construction of curb. Bars in inlet top to be field bent or cut to clear manhole ring.
5. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

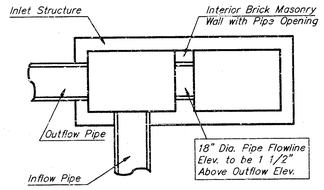


BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	C.Y. YD. CONC
4'-4"	3'-8" 11'-4" 7 1/2"	21" & SMALLER	0.83±
5'-4"	4'-8" 11'-4" 7 1/2"	24" & 30"	1.09±
6'-4"	5'-8" 11'-4" 7 1/2"	36" & 42"	1.35±
7'-4"	6'-8" 11'-4" 7 1/2"	48" & 54"	1.61±
8'-4"	7'-8" 11'-4" 7 1/2"	60" & 66"	1.87±

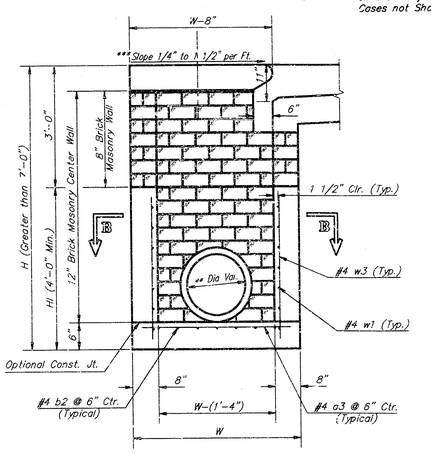


CASE I



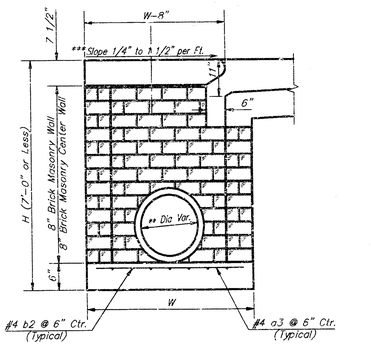
CASE II

NOTE:
Center Wall Pipe Size shall be as Specified in Inlet Construction Notes on the Plan/Profile Sheets for those Cases not Shown Here.



TYPICAL INLET SECTION AT CENTER WALL

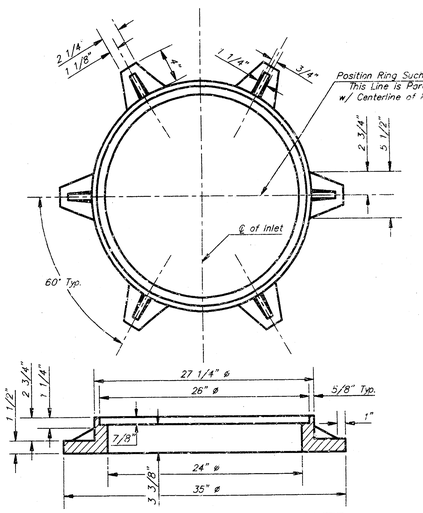
(Reinforced Concrete Walls)



TYPICAL INLET SECTION AT CENTER WALL

(Masonry Walls)

NOTES:
** A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II above.
*** Slope of inlet tops to match sidewalk of parking slopes within limits indicated



MANHOLE RING AND COVER

Weight = 180 lbs.

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

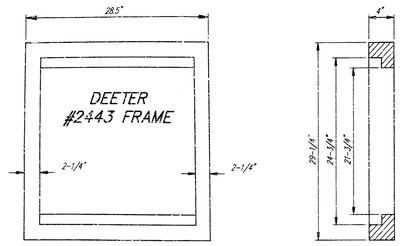
Revised - Feb. 16, 1989

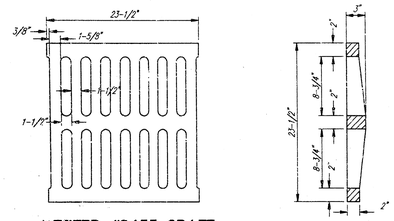
CITY OF WICHITA STANDARD TYPE 1A
CURB INLET DETAILS
INLET OPENING = 6" x 10'-0"

PROJECT NUMBER 468 76 245 82243 000 000 001

SHEET 7 OF 9

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

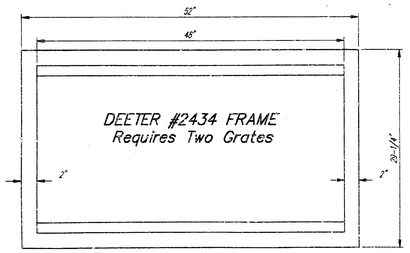




DEETER #2433 GRATE

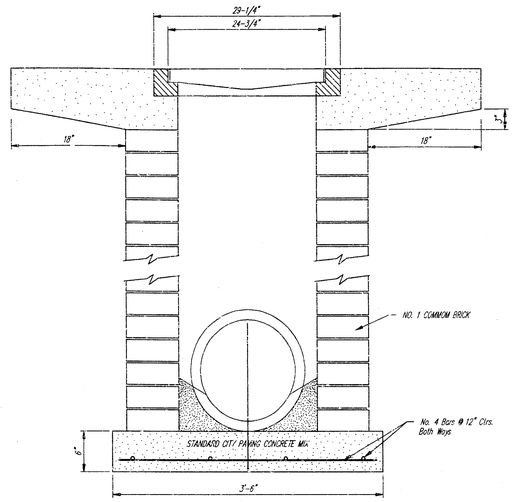
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

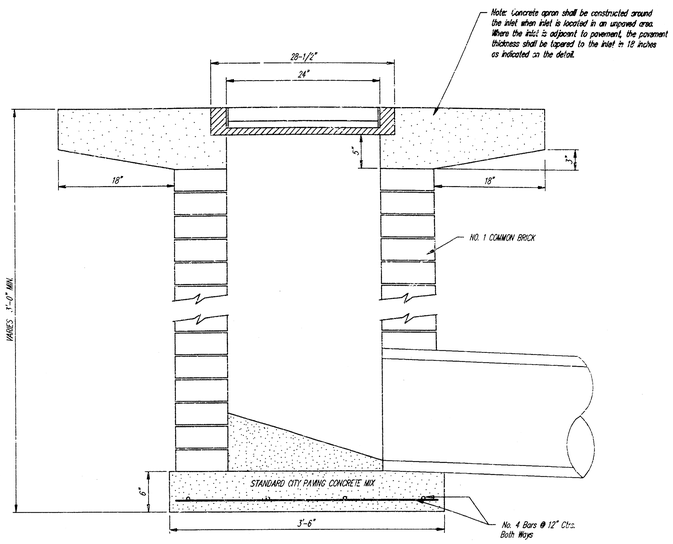
24" x 24" Frame and Grate Detail

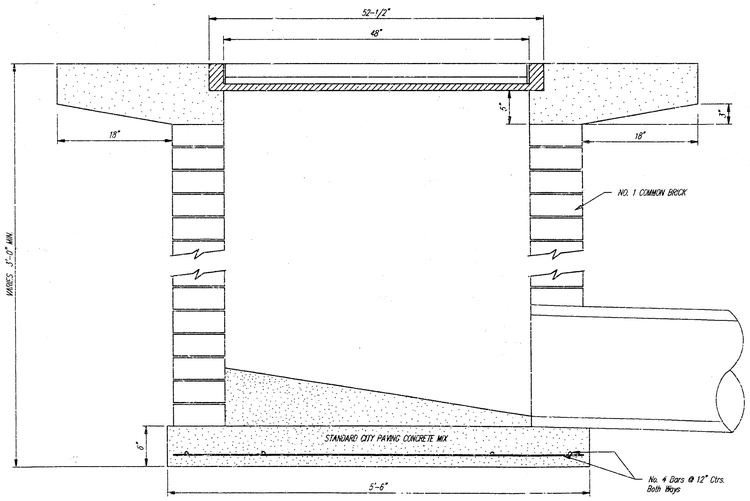




Double 24" x 24" Frame Detail







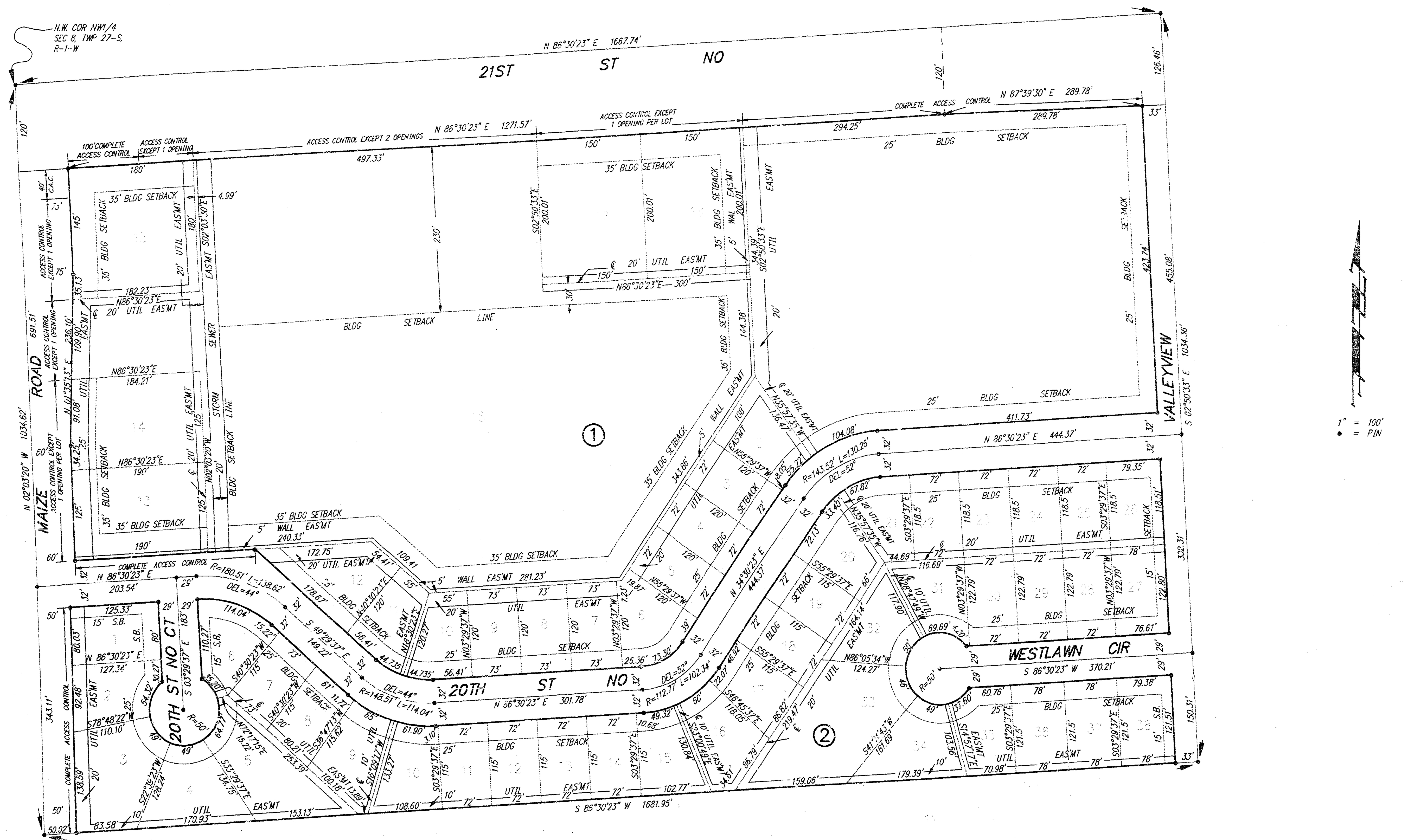
DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas

Project Number	8
468 76 245 82243 000 000 001	9

TIMBER RIDGE 2ND 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 2ND 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 NW1/4 of Sec. 8, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas, beginning at the N.W. Corner of said NW1/4; thence N 86°30'23" E, along the north line of said NW1/4, 1667.74 feet; thence S 02°50'33" E, parallel with the east line of said NW1/4, 1034.36 feet; thence S 86°30'23" W, parallel with the north line of said NW1/4, 1681.96 feet to a point on the west line of said NW1/4; thence N 02°03'20" W, along the west line of said NW1/4, 1034.62 feet to beginning, except therefrom those portions deeded for road purposes and recorded on Film 226, page 257; Film 226, Page 258; Film 226, Page 259 and Film 229, Page 1 and except therefrom that part dedicated to the for street purposes and recorded on Film 706, Page 603.

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

Baughman Company, P.A.

Date ________

______________________ Surveyor
Mark A. Savoy

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into Lots, Blocks, and Streets to be known as "TIMBER RIDGE 2ND 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 streets are hereby dedicated to and for the use of the public. All abutters rights of access to or from Maize Rd, over and across the west line of Lots 13, 14, 15, and 16, Block 1 and Lots 1, 2, and 3, Block 3 and to or from 21st St. No. over and across the north line of Lots 1, 15, 16, 17, and 18, Block 1 and to or from 20th St. No. over and across the south line of Lots 13 and 16 Block 1 are hereby granted to the appropriate governing body, provided however that Lots 13, 14, and 16 shall have access to Maize Rd at one location each and that Lot 15 shall have access to Maize Rd at one location over all except the north 40 feet of the west line thereof and that Lot 15 shall have access to 21st St. No. at one location over all except the west 100 feet of the north line thereof, that Lot 16 shall have access to Maize Rd at two locations and that Lots 17 and 18 shall have access to 21st St No at one location each, all as shall be determined by the Engineer of the appropriate governing body. The storm sewer easement is hereby granted as indicated for the construction and maintenance of a storm sewer.

Josephine C. Weber Irrevocable Trust dated 12-28-87

______________________ Co-Trustee
John F. Weber

______________________ Co-Trustee
Marlene K. Hartman

______________________ Co-Trustee
Mary Jo Hieger

Josephine C. Weber Trust dated 2-1-88

______________________ Trustee
Josephine C. Weber

Equitable Interest Holder B & E, Inc.

______________________ President
Matthias F. Eck

This plat of "TIMBER RIDGE 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 ______ day of ______________ 19__.
Wichita-Sedgwick County Metropolitan Area Planning Commission.

______________________ Chairman
Christopher J. Goebel

______________________ 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 ______________ 19__.

______________________ Mayor
Bob Knight

______________________ Deputy City Clerk
Pat Burnett

Entered on transfer record, this ______ day of ______________ 19__.

______________________ County Clerk
Don Wright

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 ______________ 19__, at _____ o'clock __M; and is duly recorded.

______________________ Register of Deeds
Pat Kettler

______________________ Deputy
Ed Resa

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ______ day of ______________, 19__, by John F. Weber, Marlene K. Hartman and Mary Jo Hieger, Co-Trustees of the Josephine C. Weber Irrevocable Trust dated 12-28-87, on behalf of the Trust.

______________________ Notary Public
My App't. Exp. ________

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ______ day of ______________, 19__, by Josephine C. Weber, Trustee of the Josephine C. Weber Trust dated 2-1-88, on behalf of the Trust

______________________ Notary Public
My App't. Exp. ________

State of Kansas)
Sedgwick County) SS The foregoing instrument acknowledged before me, this ______ day of ______________, 19__, by Matthias F. Eck, President of B & E, Inc., on behalf of the corporation.

______________________ Notary Public
My App't. Exp. ________

ADDITION PLAT COPY
TIMBER RIDGE 2ND ADDITION

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/252-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER					SHEET 9 OF 9
DESIGN	DRAWN	UTIL. CHECK'D	DATE MAY93	SCALE NOTED	

TMBR2\PLAT

18-13-1-40