Lat. 1, Main 19, S.W.I.

SANITARY SEWER IMPROVEMENTS

to serve

RIDGE PORT NORTH 3RD ADDITION
AND
RIDGE PORT NORTH 4TH ADDITION -PHASE 1

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

Project Number

468- 83167

O.C.A. Number

743858

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:

Cox Communications	262-0661
K.P.L. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8600
Peoples Gas Company	942-8350
Southwestern Bell Telephone Company	1-800-344-7233
City of Wichita Water Dept.	268-4908
City of Wichita Traffic Engineering	269-4446

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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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.

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

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 laws.

6. All areas disturbed by construction operations shall be seeded with rye grass at a rate of 300 lbs/acre immediately following construction in that area. Prior to seeding, area shall be prepared per City specs.

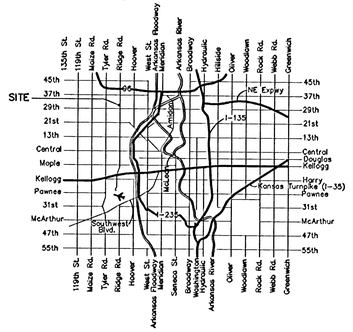
Benchmark

City Disc at the SW Corner of R.C.B.C for Big Slough at Ridge Road
Elev. = 144.22 City Datum

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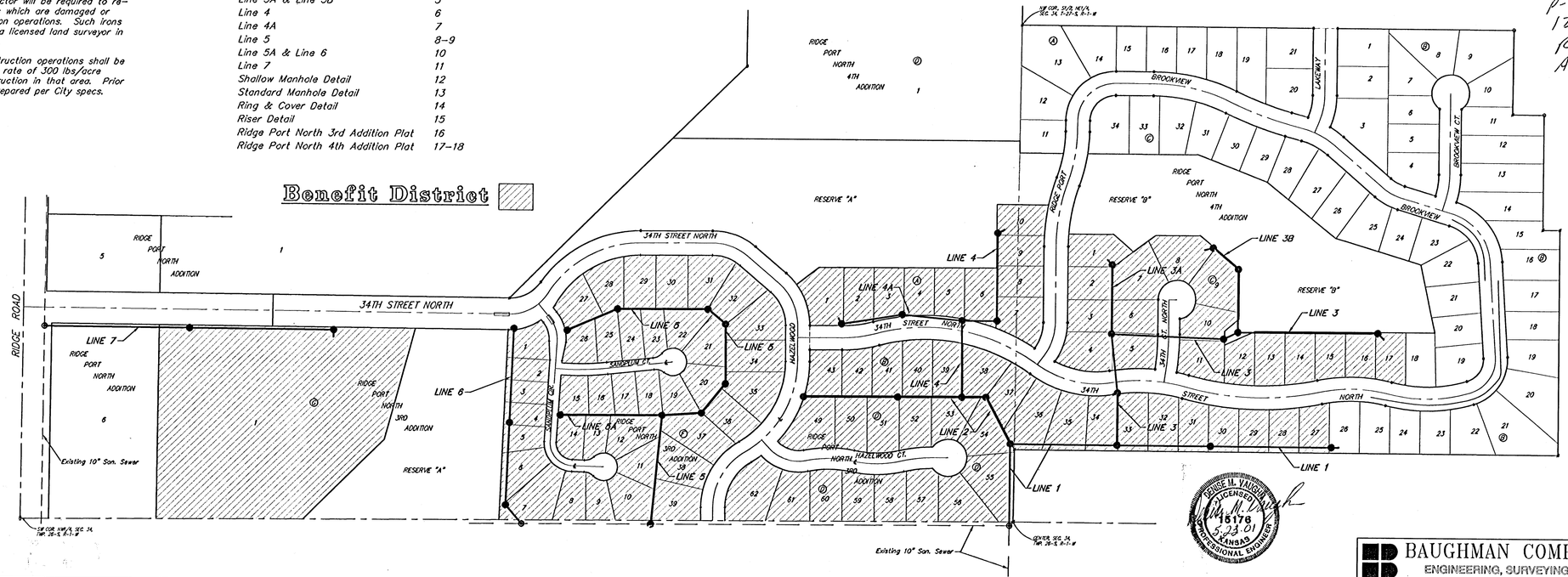
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Scale: 1" = 150'



Vicinity Map

Benefit District



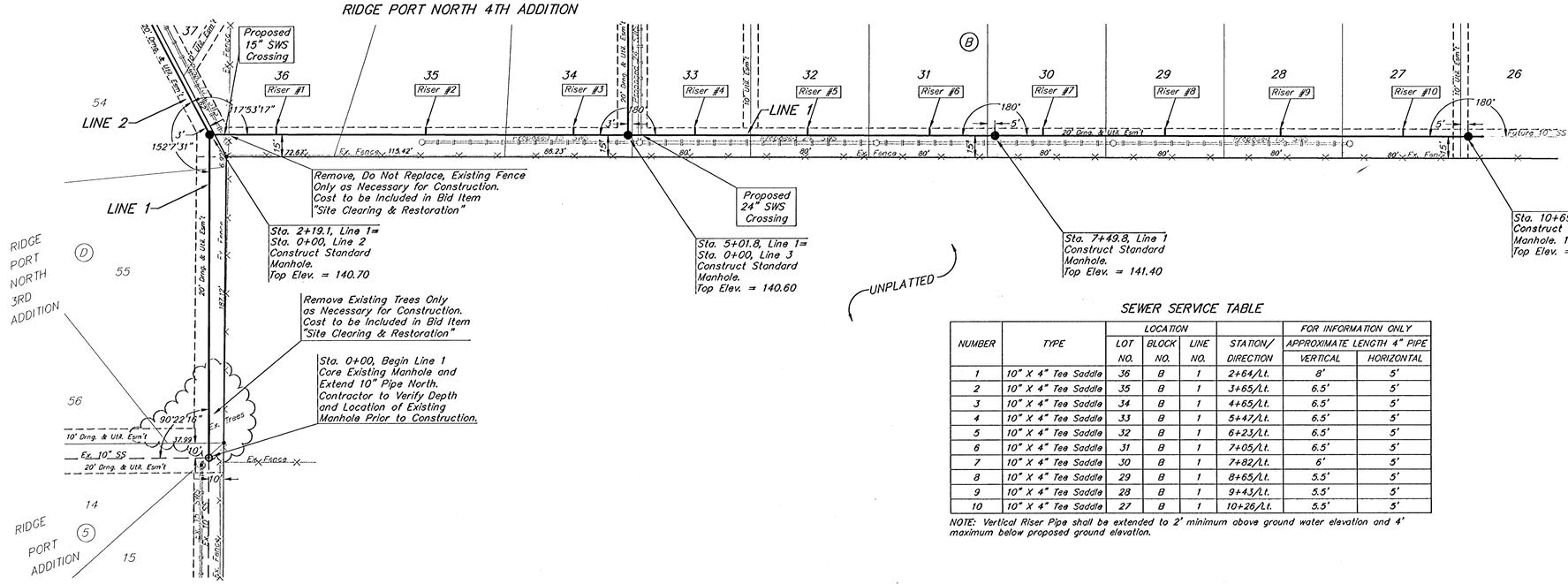
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LICENSED GEORGE M. VAUGHN 15176 5-23-01 KANSAS PROFESSIONAL ENGINEER

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ENGINEERING, SURVEYING, & PLANNING
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BENCHMARK:
City Disc at the SW Corner of R.C.B.C for Big Slough AR Ridge Road
Elev. = 144.22 City Datum

RIDGE PORT NORTH 4TH ADDITION

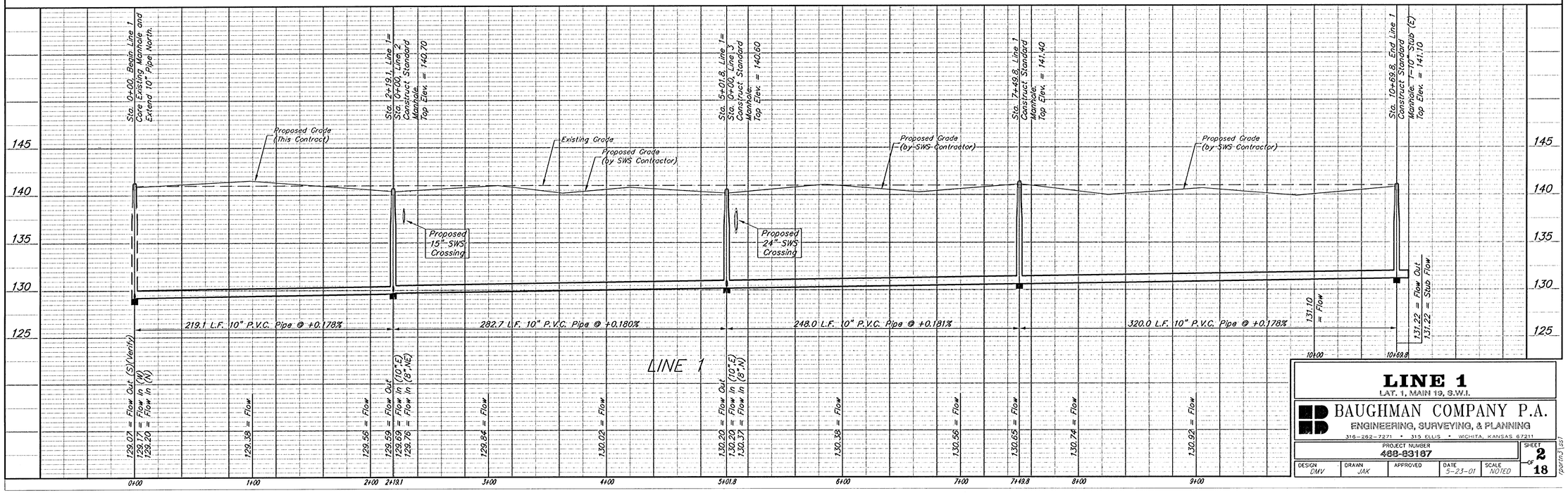


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
1	10" X 4" Tee Saddle	36	B	1	2+64/Lt.	8'	5'
2	10" X 4" Tee Saddle	35	B	1	3+65/Lt.	6.5'	5'
3	10" X 4" Tee Saddle	34	B	1	4+65/Lt.	6.5'	5'
4	10" X 4" Tee Saddle	33	B	1	5+47/Lt.	6.5'	5'
5	10" X 4" Tee Saddle	32	B	1	6+23/Lt.	6.5'	5'
6	10" X 4" Tee Saddle	31	B	1	7+05/Lt.	6.5'	5'
7	10" X 4" Tee Saddle	30	B	1	7+82/Lt.	6'	5'
8	10" X 4" Tee Saddle	29	B	1	8+65/Lt.	5.5'	5'
9	10" X 4" Tee Saddle	28	B	1	9+43/Lt.	5.5'	5'
10	10" X 4" Tee Saddle	27	B	1	10+26/Lt.	5.5'	5'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 1
LAT. 1, MAIN 19, S.W.I.

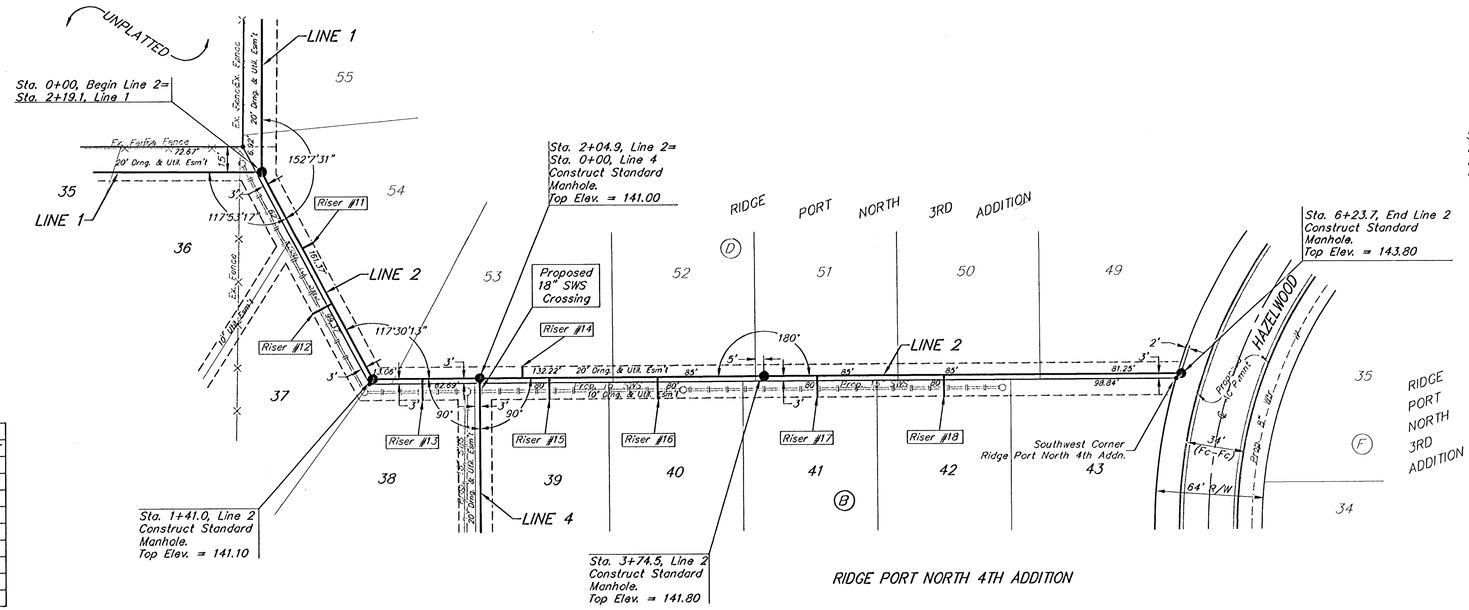
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PROJECT NUMBER	SHEET
488-83167	2 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		5-23-01	NOTED

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BENCHMARK:
City Disc at the SW Corner
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AR Ridge Road
Elev. = 144.22 City Datum

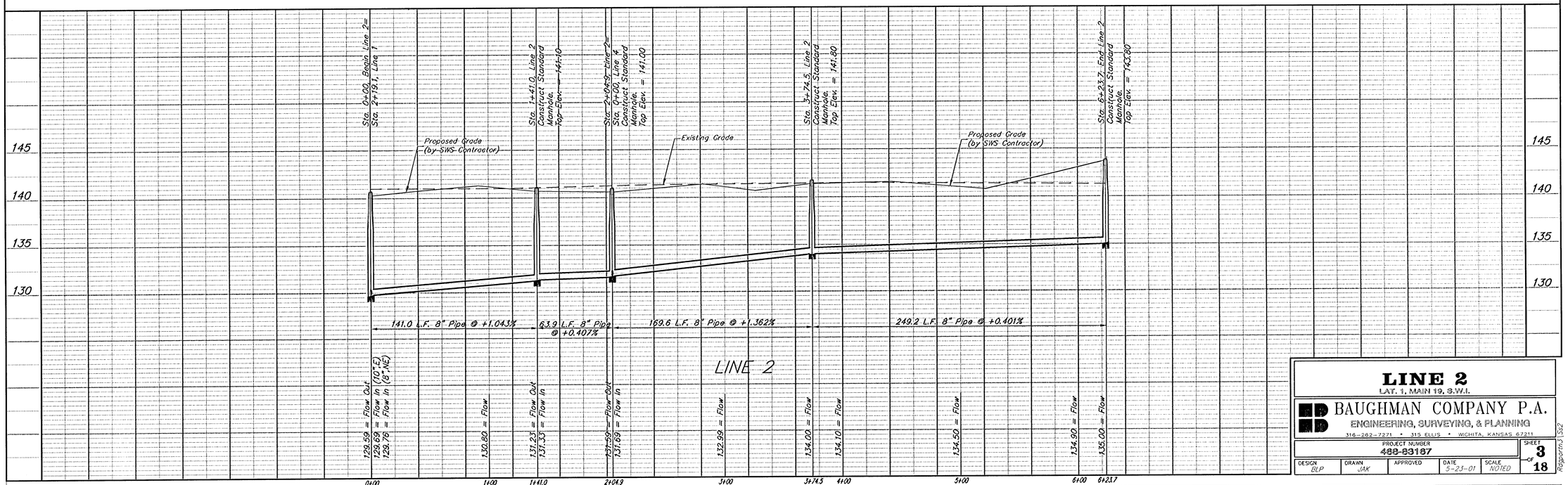


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
11	8" X 4" Tee Saddle	54	4	2	0+52/Lt.	7'	7'
12	8" X 4" Tee Saddle	37	B	2	0+89/Rt.	7'	13'
13	8" X 4" Tee Saddle	38	B	2	1+71/Rt.	6'	13'
14	8" X 4" Tee Saddle	53	4	2	2+30/Lt.	5.5'	7'
15	8" X 4" Tee Saddle	39	B	2	2+46/Rt.	5.5'	13'
16	8" X 4" Tee Saddle	40	B	2	3+11/Rt.	4.5'	13'
17	8" X 4" Tee Saddle	41	B	2	4+06/Rt.	3.5'	13'
18	8" X 4" Tee Saddle	42	B	2	4+82/Rt.	3'	13'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 2
LAT. 1, MAIN 19, S.W.I.

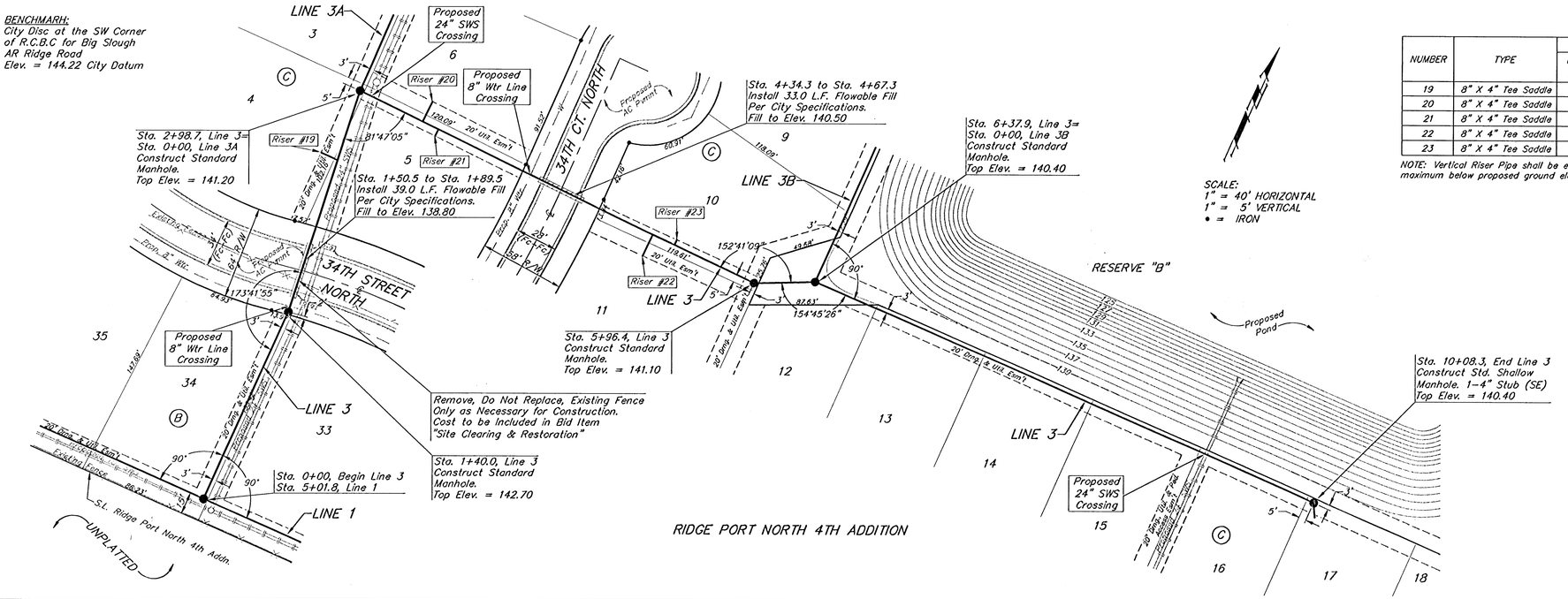
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PROJECT NUMBER	SHEET
488-83187	3 of 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP	JAK		5-23-01	NOTED

Rdgport1352

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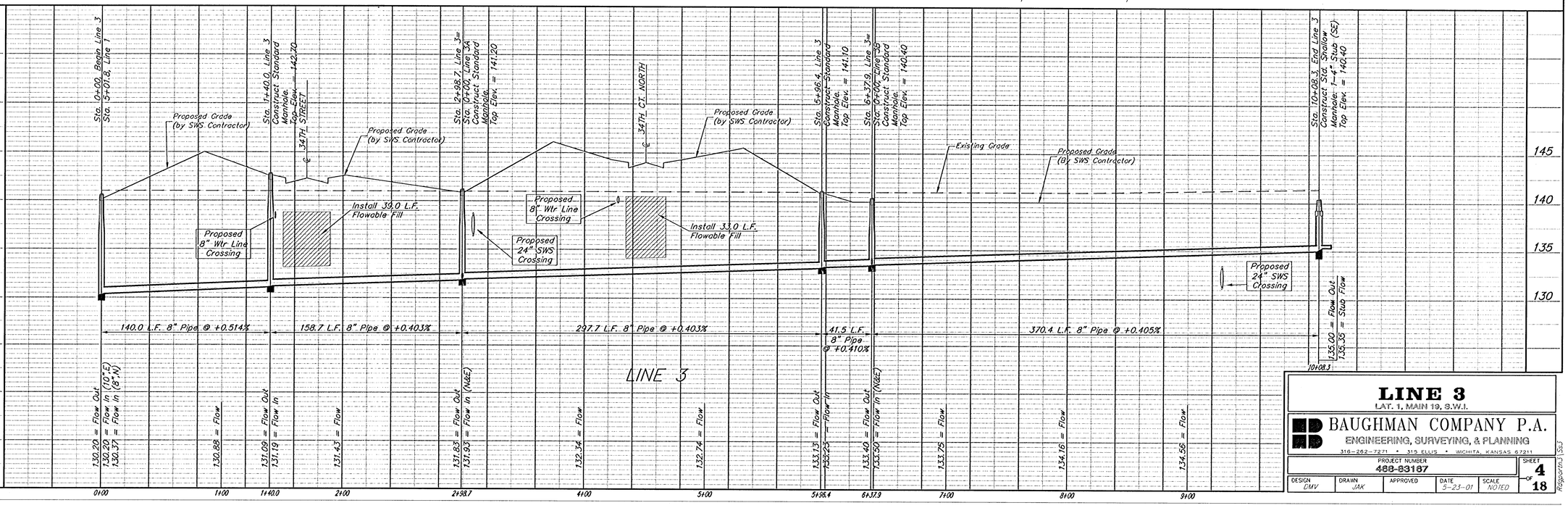


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
19	8" X 4" Tee Saddle	4	C	3	2+50/Lt.	6.5'	13'
20	8" X 4" Tee Saddle	6	C	3	3+46/Lt.	8'	15'
21	8" X 4" Tee Saddle	5	C	3	3+58/Rt.	9'	5'
22	8" X 4" Tee Saddle	11	C	3	5+20/Rt.	8.5'	16'
23	8" X 4" Tee Saddle	10	C	3	5+36/Lt.	8.5'	4'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 3
LAT. 1, MAIN 19, S.W.I.

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PROJECT NUMBER	SHEET
488-83187	4 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		5-23-01	NOTED

Rdgport3 SS3

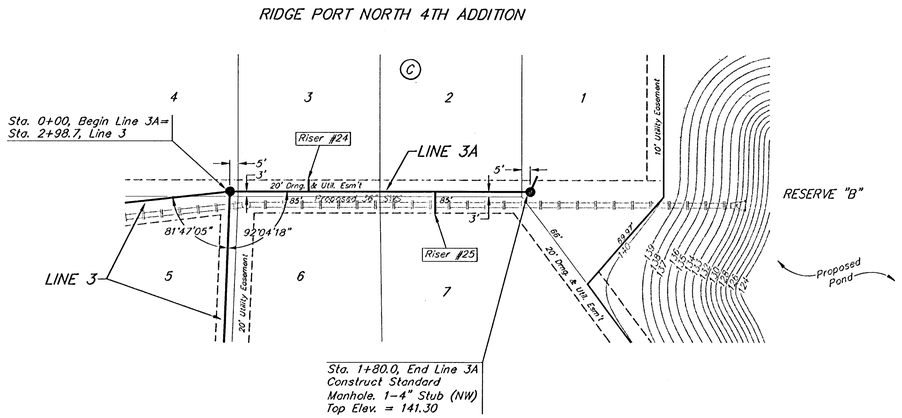
BENCHMARH:
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AR Ridge Road
Elev. = 144.22 City Datum

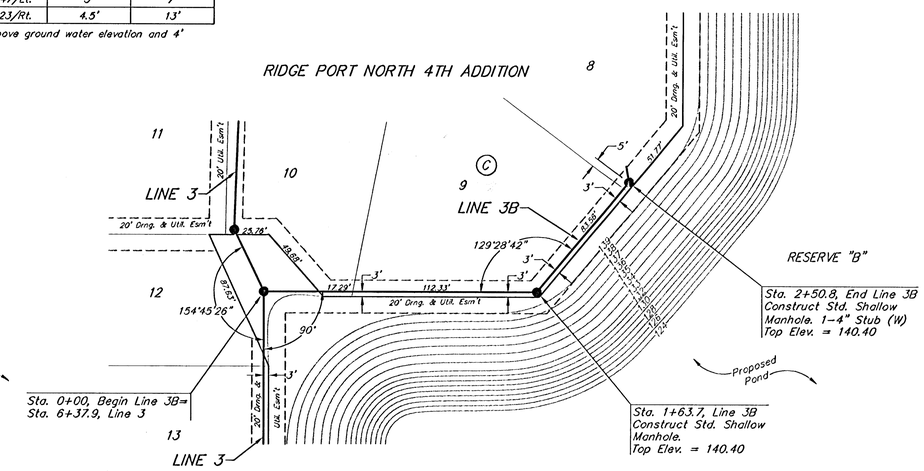
SEWER SERVICE TABLE

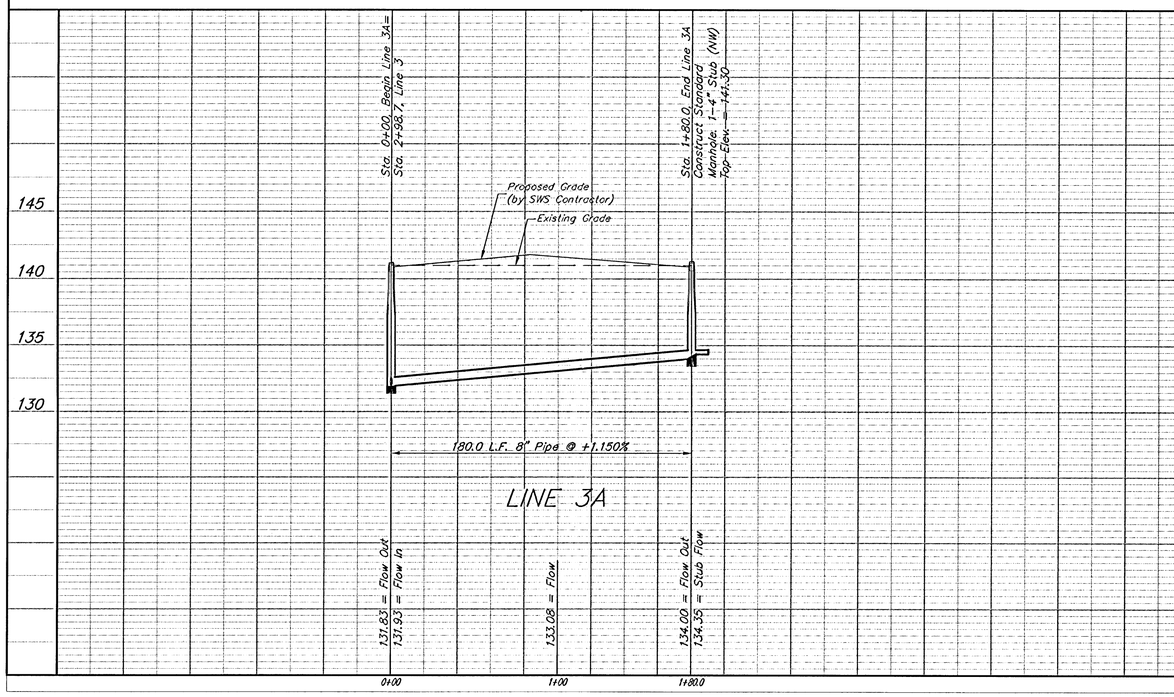
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
24	8" X 4" Tee Saddle	3	C	3A	0+47/Lt.	5'	7'
25	8" X 4" Tee Saddle	7	C	3A	1+23/Rt.	4.5'	13'

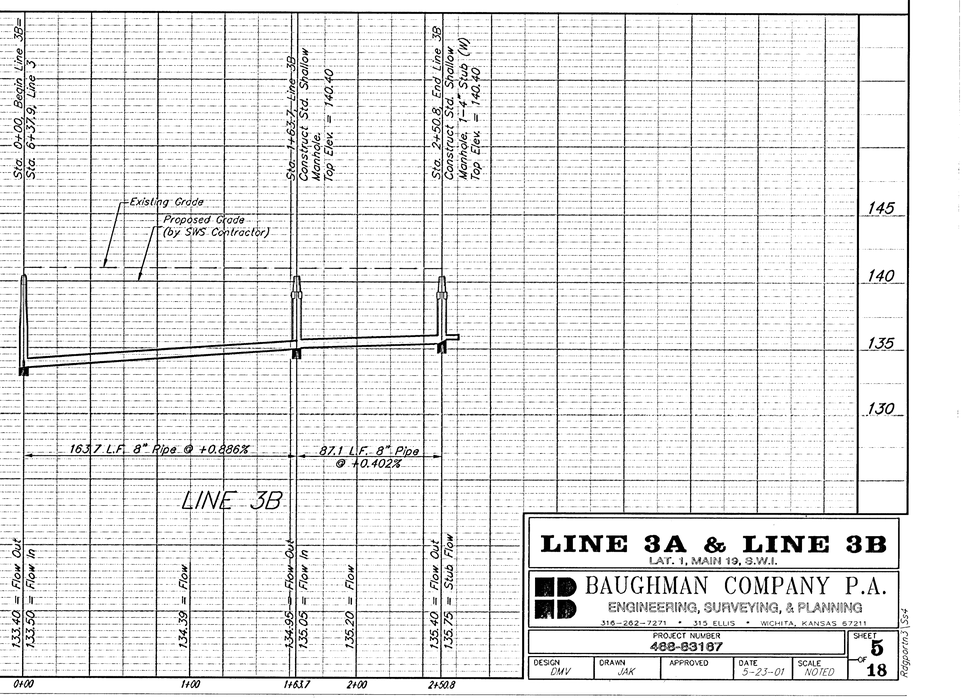
NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

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LINE 3A & LINE 3B

LAT. 1, MAIN 19, S.W.I.

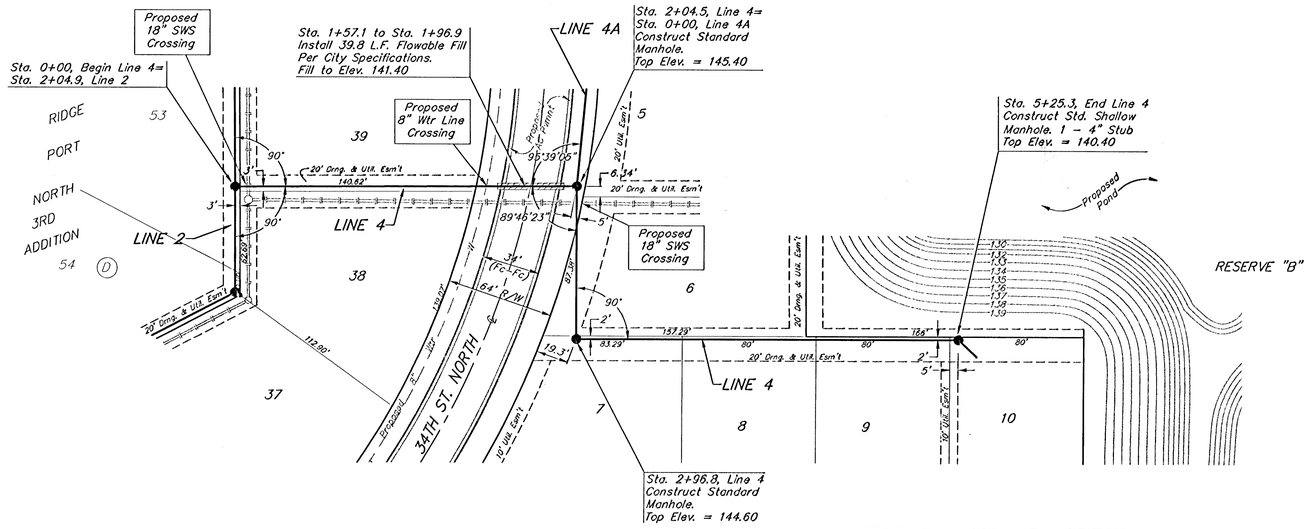
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PROJECT NUMBER	SHEET
488-83187	5 of 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		5-23-01	NOTED

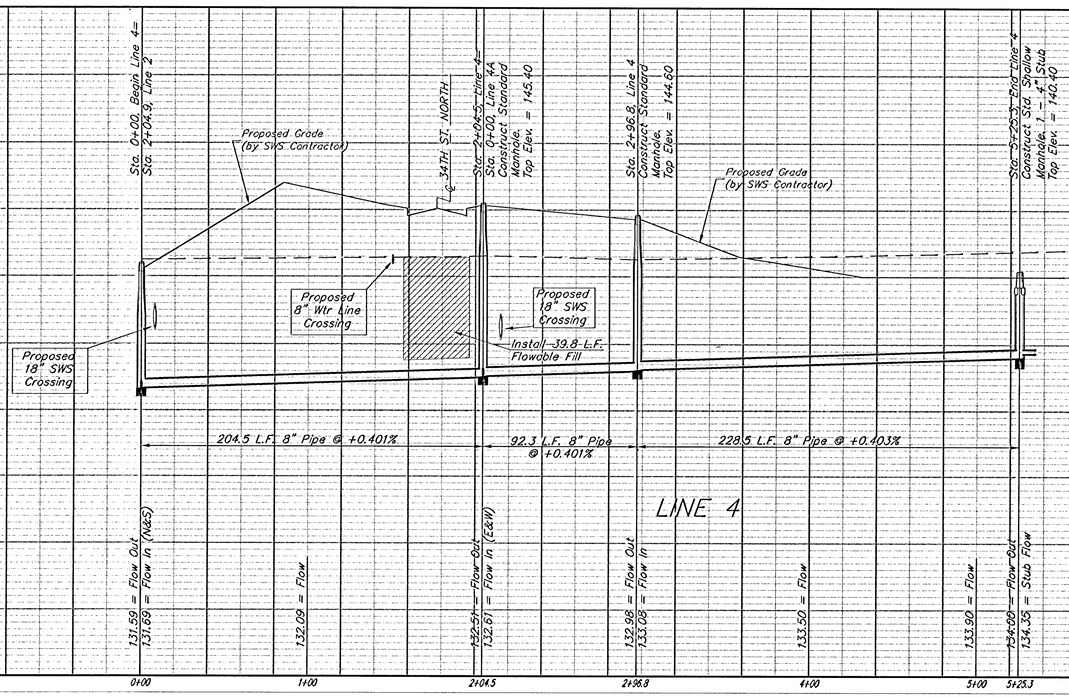
Approved 1/54

BENCHMARH:
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AR Ridge Road
Elev. = 144.22 City Datum



RIDGE PORT NORTH 4TH ADDITION

SCALE:
1" = 40' HORIZONTAL
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• = IRON



LINE 4

LAT. 1, MAIN 19, S.W.I.

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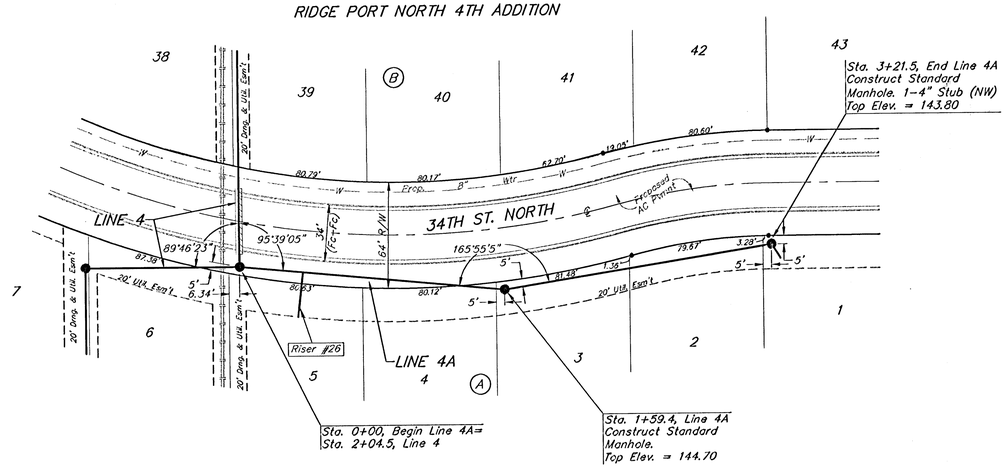
PROJECT NUMBER	SHEET
488-83187	6 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP	JAK		5-23-01	NOTED

Ridgeprnt3.S&S

BENCHMARH:
City Disc at the SW Corner
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AR Ridge Road
Elev. = 144.22 City Datum

RIDGE PORT NORTH 4TH ADDITION

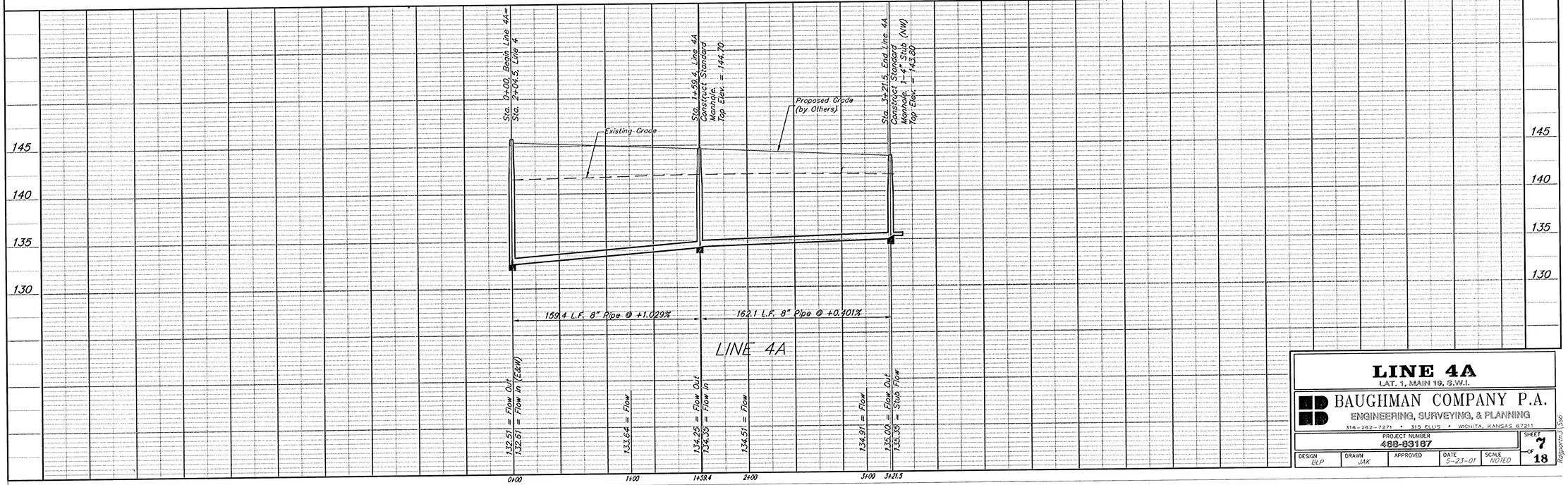


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
26	8" X 4" Tee Saddle	5	A	4A	0+38/Rt.	8.5'	27'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 4A
LAT. 1, MAIN 19, S.W.I.

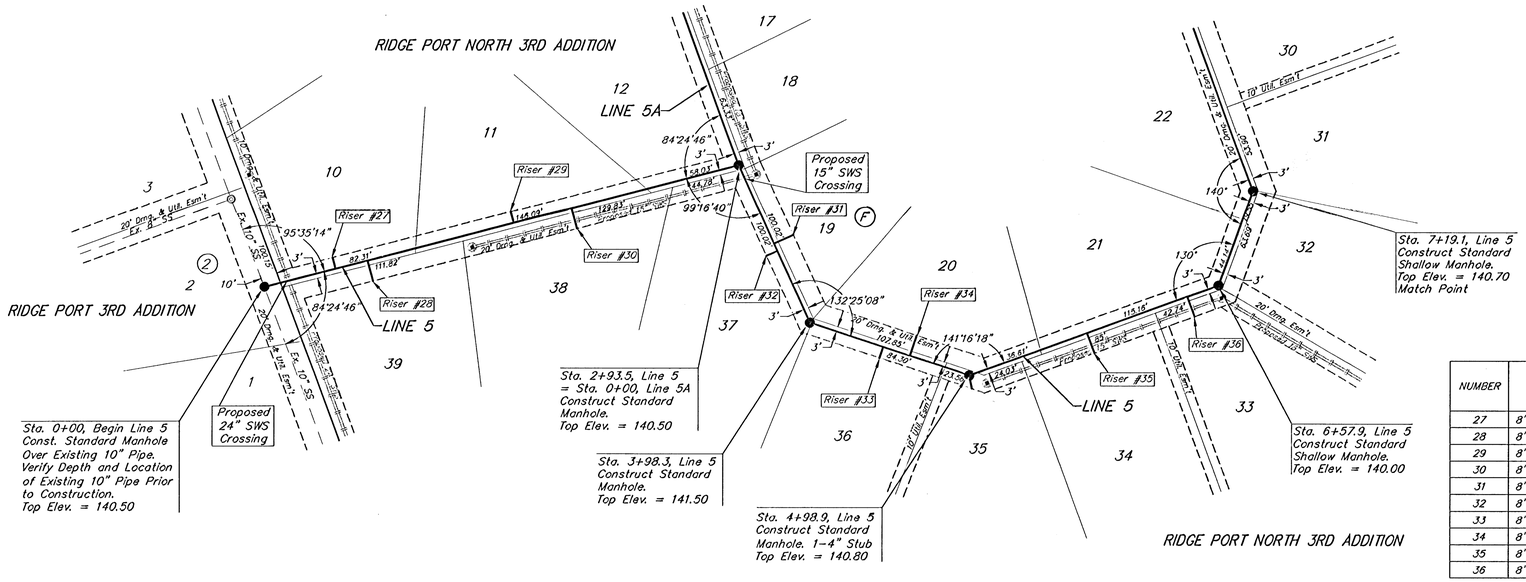
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PROJECT NUMBER 488-83167

DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
BLP	JAK		5-23-01	NOTED	7 OF 18

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BENCHMARK:
City Disc at the SW Corner
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AR Ridge Road
Elev. = 144.22 City Datum

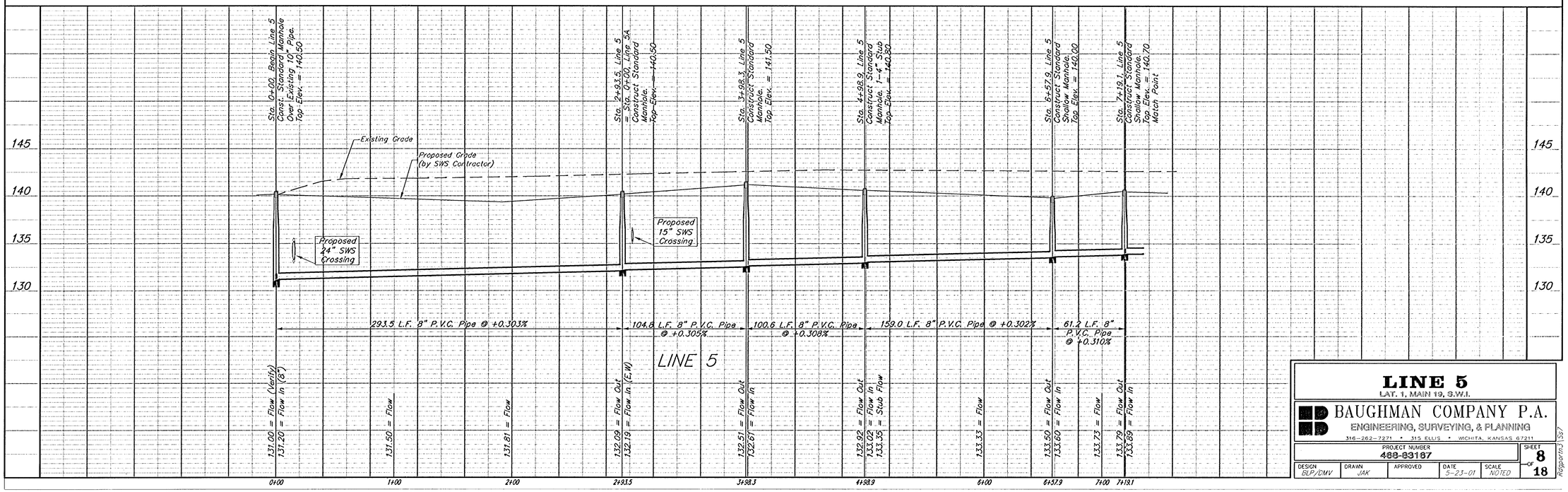


SCALE:
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1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION LOT NO.	LOCATION BLOCK NO.	LOCATION LINE NO.	STATION/ DIRECTION	FOR INFORMATION ONLY APPROXIMATE LENGTH 4" PIPE VERTICAL	FOR INFORMATION ONLY APPROXIMATE LENGTH 4" PIPE HORIZONTAL
27	8" X 4" Tee Saddle	10	F	5	0+44/Lt.	5'	7'
28	8" X 4" Tee Saddle	39	F	5	0+64/Rt.	4.5'	13'
29	8" X 4" Tee Saddle	11	F	5	1+55/Lt.	4'	7'
30	8" X 4" Tee Saddle	38	F	5	1+90/Rt.	4'	13'
31	8" X 4" Tee Saddle	19	F	5	3+45/Lt.	4.5'	13'
32	8" X 4" Tee Saddle	37	F	5	3+50/Rt.	4.5'	7'
33	8" X 4" Tee Saddle	36	F	5	4+45/Rt.	4.5'	7'
34	8" X 4" Tee Saddle	20	F	5	4+62/Lt.	4'	13'
35	8" X 4" Tee Saddle	34	F	5	5+74/Rt.	3'	13'
36	8" X 4" Tee Saddle	33	F	5	6+38/Rt.	2.5'	13'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 5
LAT. 1, MAIN 19, S.W.I.

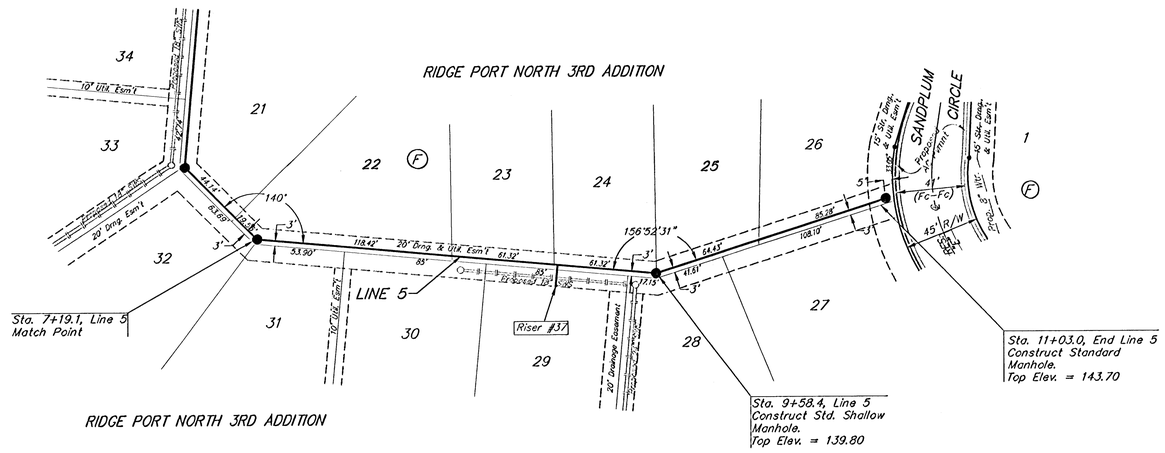
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PROJECT NUMBER	SHEET
488-83187	8 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP/DMV	JAK		5-23-01	NOTED

Ridgeport/Ls7

BENCHMARK:
City Disc at the SW Corner
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AR Ridge Road
Elev. = 144.22 City Datum



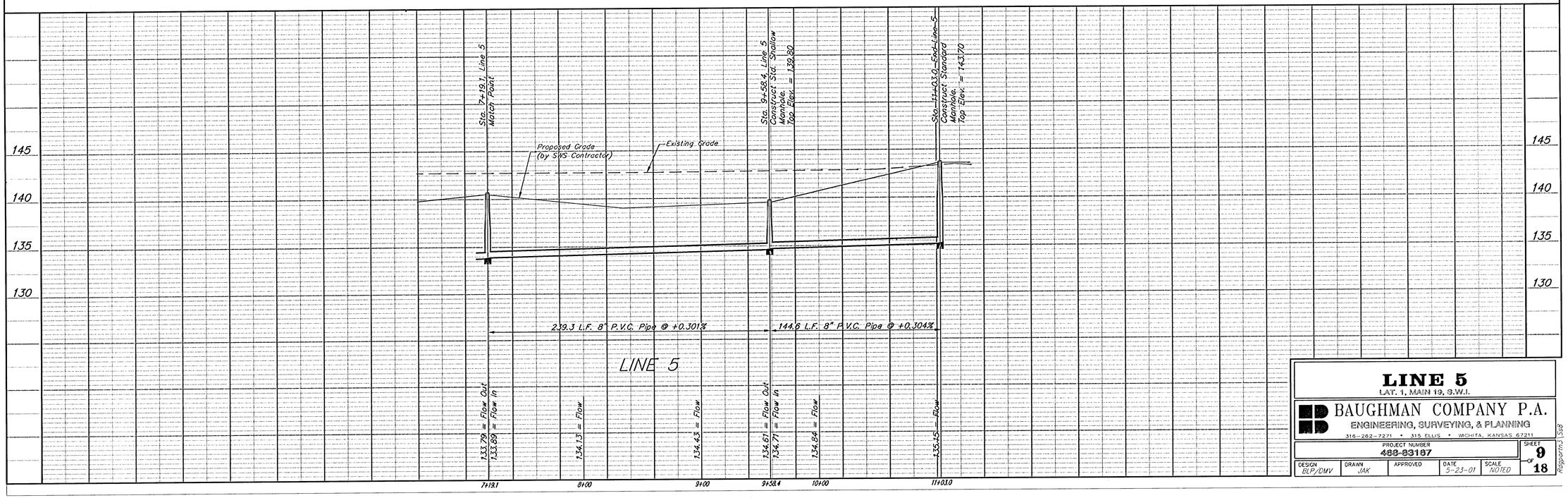
RIDGE PORT NORTH 3RD ADDITION

SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
37	8" X 4" Tee Saddle	29	F	5	9+00/Rt.	1'	13'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 5
LAT. 1, MAIN 19, S.W.I.

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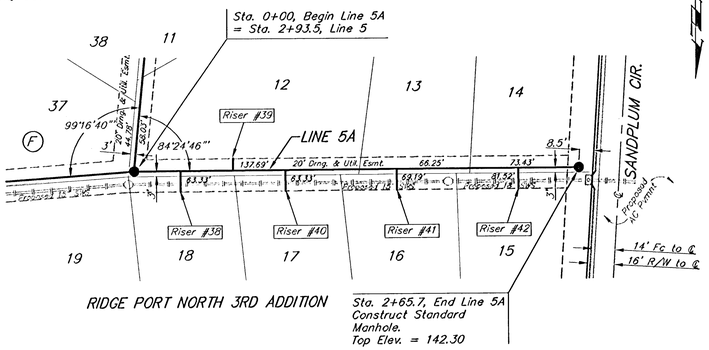
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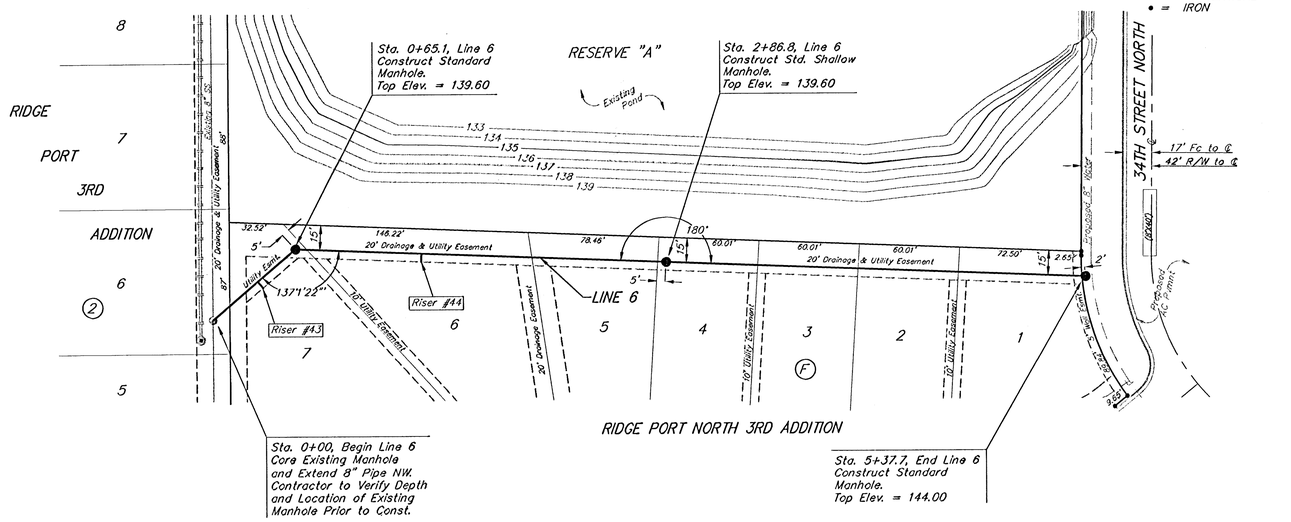
SHEET 9 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
BLP/DMV	JAK		5-23-01	NOTED

Ridgeport 1338

BENCHMARK:
City Disc at the SW Corner
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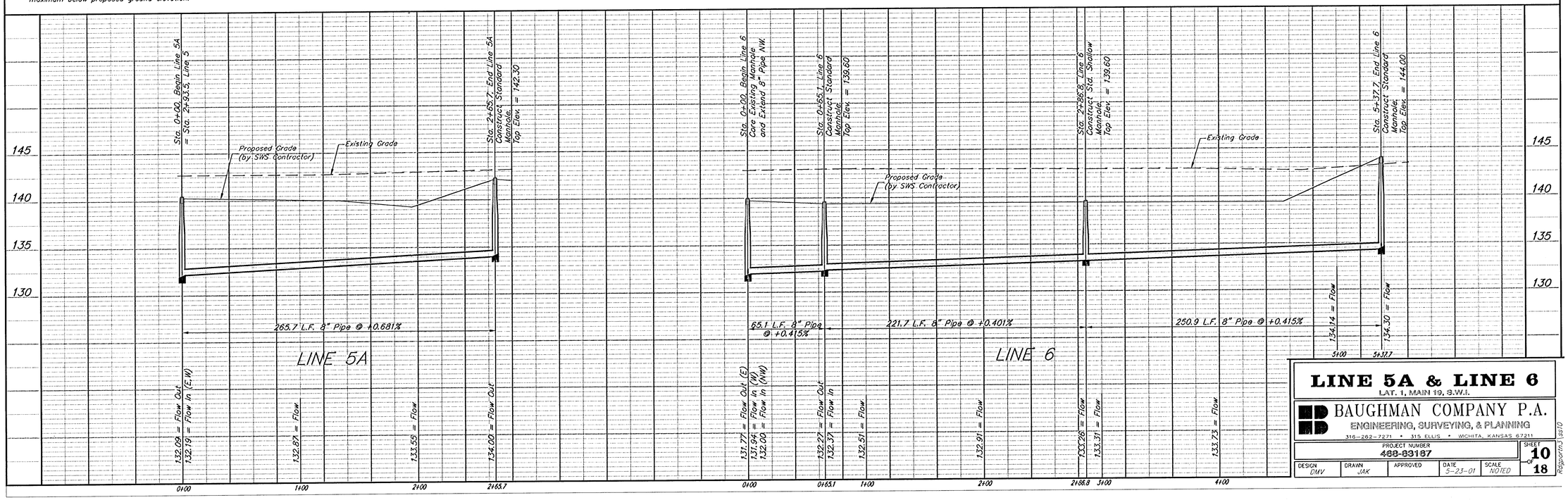




SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
38	8" X 4" Tee Saddle	18	F	5A	0+28/Rt.	4'	13'
39	8" X 4" Tee Saddle	12	F	5A	0+60/Lt.	3.5'	7'
40	8" X 4" Tee Saddle	17	F	5A	0+91/Rt.	3.5'	13'
41	8" X 4" Tee Saddle	16	F	5A	1+57/Rt.	2.5'	13'
42	8" X 4" Tee Saddle	15	F	5A	2+30/Rt.	3'	13'
43	8" X 4" Tee Saddle	7	F	6	0+35/Rt.	3.5'	5'
44	8" X 4" Tee Saddle	6	F	6	1+40/Rt.	3'	5'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



LINE 5A & LINE 6

LAT. 1, MAIN 19, S.W.I.

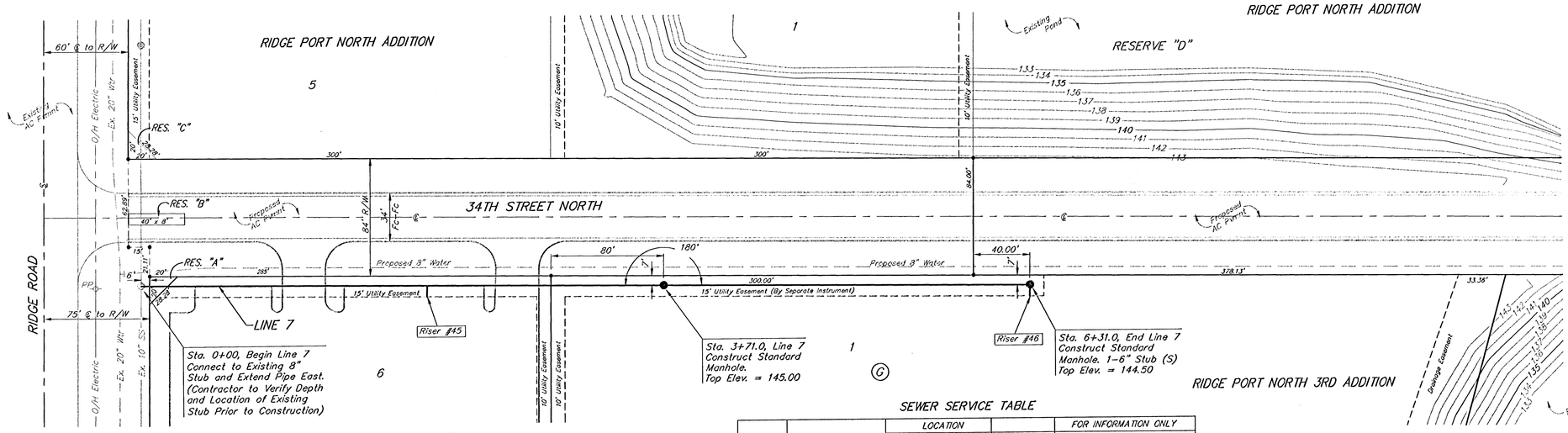
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER	SHEET
488-83187	10 of 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		5-23-01	NOTED

Engineering Seal

BENCHMARH:
City Disc at the SW Corner
of R.C.B.C for Big Slough
AR Ridge Road
Elev. = 144.22 City Datum

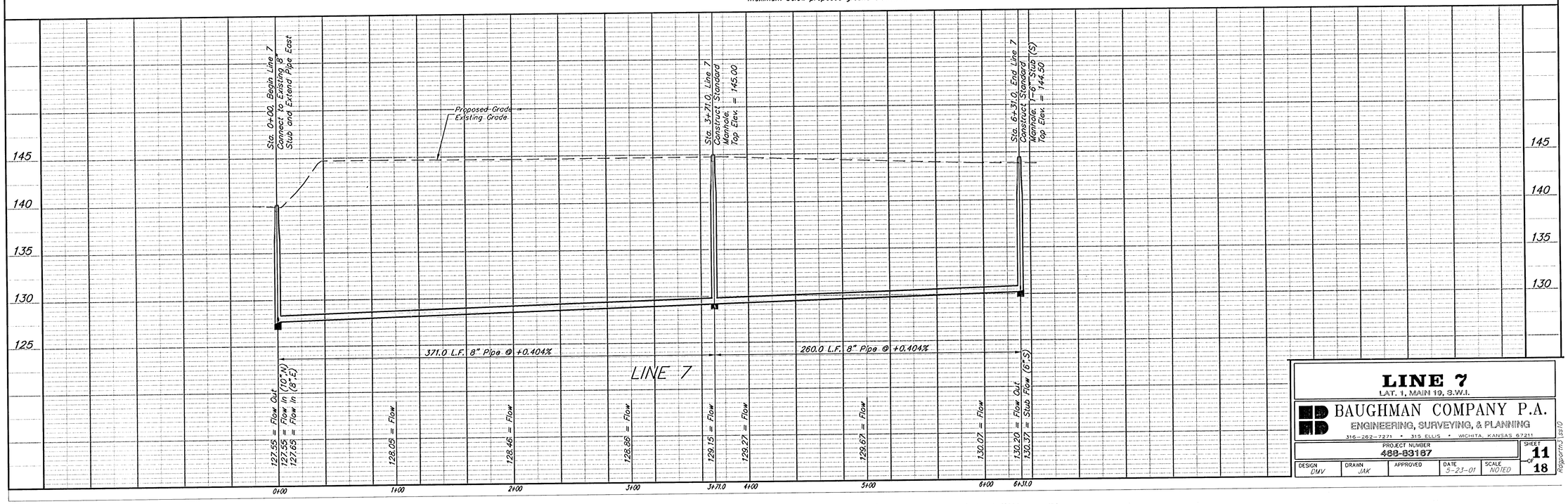


SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION/ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
45	8" X 6" Tee Saddle	6	–	7	2+03/Rt.	12.5'	8'
46	6" Stub w/ Riser	1	G	7	6+31.0/Rt.	10.5'	8'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



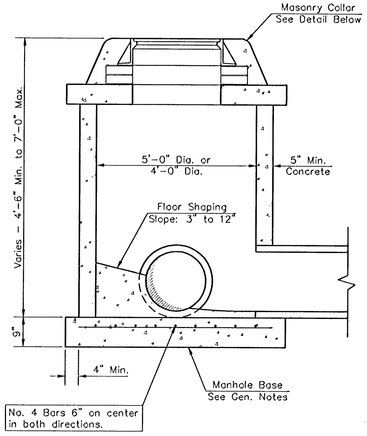
LINE 7
LAT. 1, MAIN 19, S.W.I.

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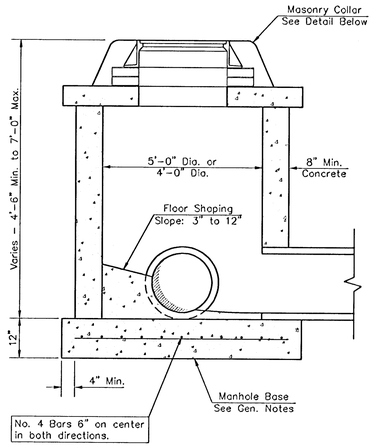
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488-63167	11 of 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
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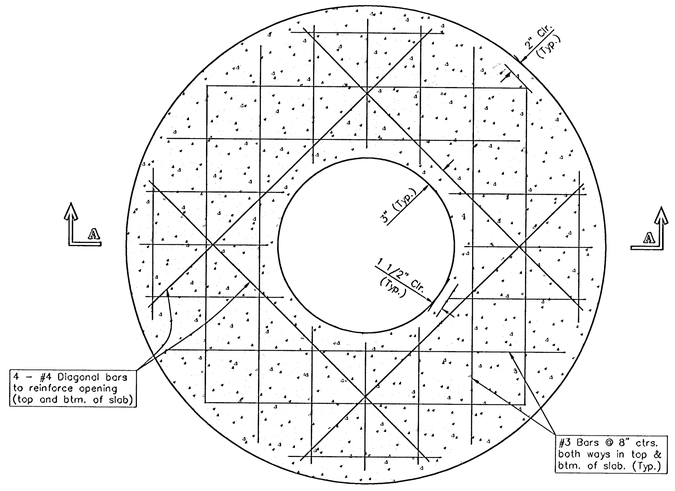
Ridgeprfl.ai 3x10



SHALLOW TYPE "P" MANHOLE



SHALLOW TYPE "C" MANHOLE



PLAN

GENERAL NOTES

1. Mortar used in masonry construction shall contain 8 sacks of cement per cubic yard. Concrete used in manhole bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standard paving specifications using city concrete cement mix without air entraining admixture. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Manholes constructed where pipe sizes are smaller than 24" shall have an inside diameter of 4'. Manholes constructed where pipe sizes are 24" or larger shall have an inside diameter of 5'. Completed manhole shall be without leaks and water tight.

2. Reinforcing steel shall be installed in the manhole bases and shall consist of no. 4 bars placed on 6" centers in both directions. The manhole base reinforcement shall be placed 6" above the bottom of the manhole base. All costs for furnishing and installing reinforcing steel shall be included in the unit price bid for the manhole.

3. The floors of all manholes shall be shaped with flow channels such that the manholes will be self cleaning and free of areas where solids could be deposited as sewage flows through the manhole from all inlet pipes to the outlet pipe. Flow channels shall be formed to match the bottom halves of the inflowing pipes and the outflowing pipe as shown by the drawings. Manhole floors shall have slopes of 3 inches per foot in the areas outside of the flow channels sloped toward the flow channels. Pipes laid through manholes shall have the top half removed to neat lines for the full inside diameter of the manhole. Manhole floors shall then be shaped around the bottom half of the pipe which forms the flow channel.

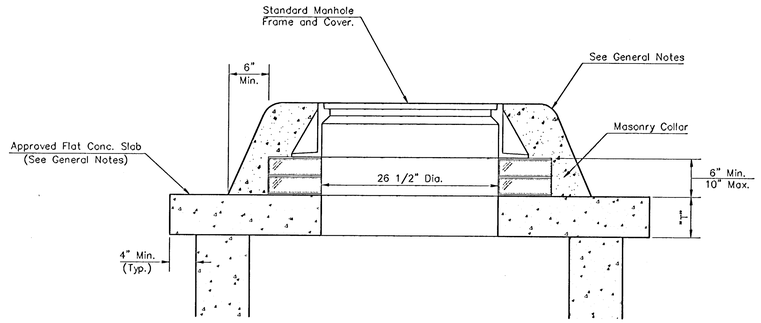
4. Pipes installed within the excavation made for the manhole shall be cradled with concrete to the limits of the manhole excavation. When clay pipe is used, the cradle shall extend to the first joint outside the manhole. The cradle shall be terminated at the clay pipe joint in a manner which will maintain the flexibility of the joint. Cost of cradle within manhole excavation or to clay pipe joints adjacent to manhole shall be included in the unit price bid for the manhole.

5. Manhole cover castings and manhole frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawings.

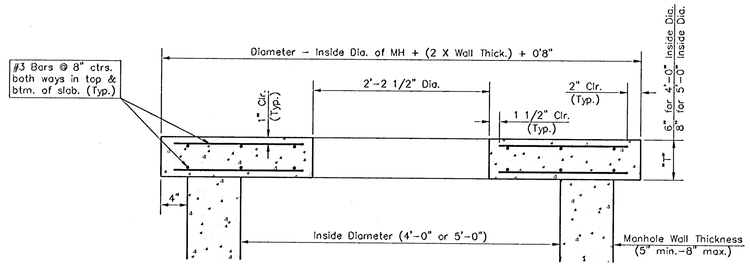
6. The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.

7. Standard shallow manholes type "P" and "C" shall be paid for at the unit price bid per each for the type and diameter indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.

8. All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.



MASONRY COLLAR DETAIL



SECTION A–A

FLAT CONCRETE SLAB DETAILS

CITY OF WICHITA, KANSAS

STD. SHALLOW MANHOLES

TYPE 'P' AND TYPE 'C'

BAUGHMAN COMPANY P.A.

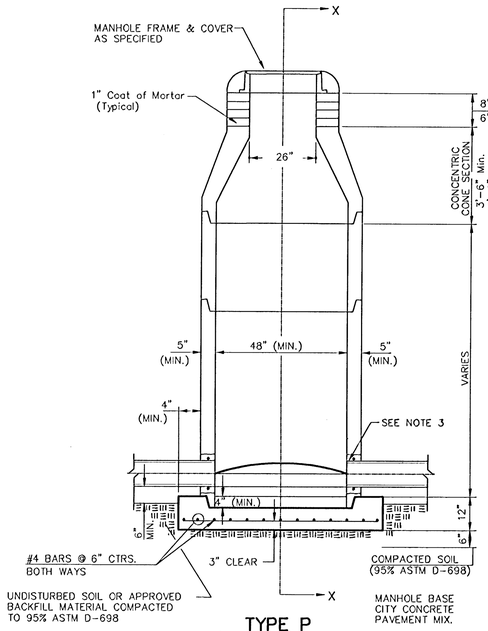
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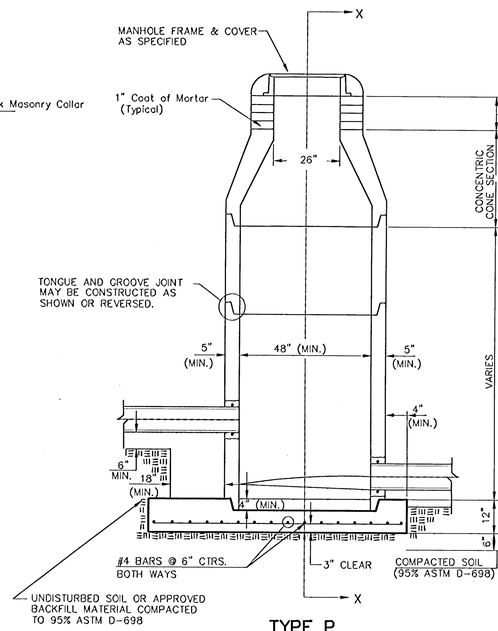
PROJECT NUMBER					SHEET
488-83167					12 OF 18
DESIGN	DRAWN	APPROVED	DATE	SCALE	
STAFF	STAFF	STAFF		NONE	

DETAIL SHALLOWMH2.DWG

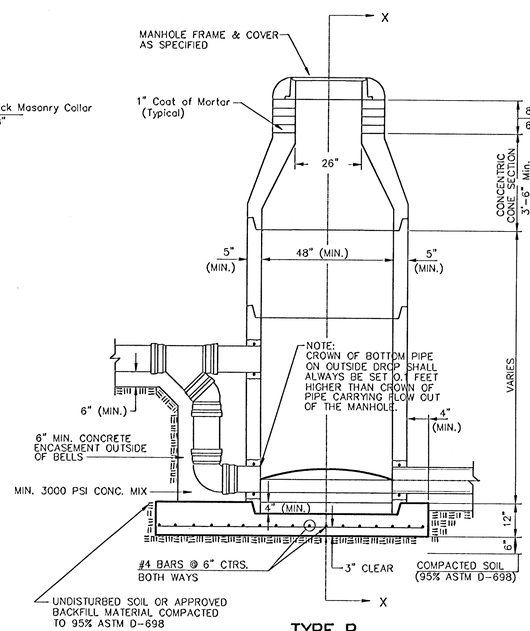
SEWER APPURTENANCES DETAILS



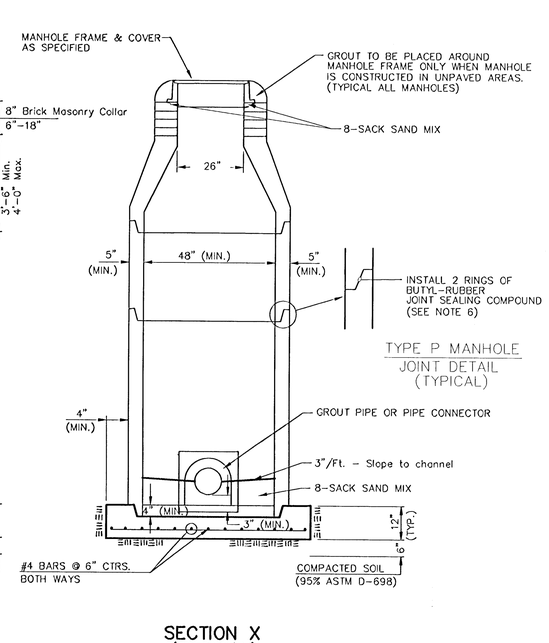
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



TYPE P
OUTSIDE DROP MANHOLE

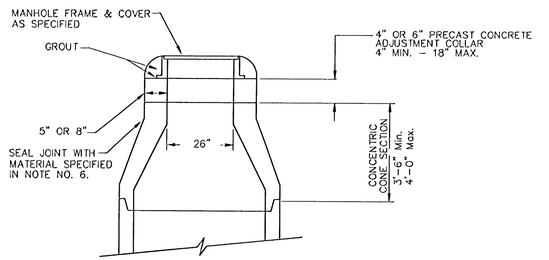


SECTION X
(TYPICAL)

GENERAL NOTES

PRECAST MANHOLE NOTES

1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
2. NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
3. APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A.B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
4. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TNEMEC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
8. TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
9. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
10. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
11. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
12. OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NON-SHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
13. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
14. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
15. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
16. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 2' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
17. STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
18. A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.



ALTERNATE CONSTRUCTION
IN UNPAVED AREAS

CITY OF WICHITA

STD. MANHOLE DETAILS

SEWER APPURTENANCES

BAUGHMAN COMPANY P.A.

ENGINEERING, SURVEYING, & PLANNING

316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER 488-83187

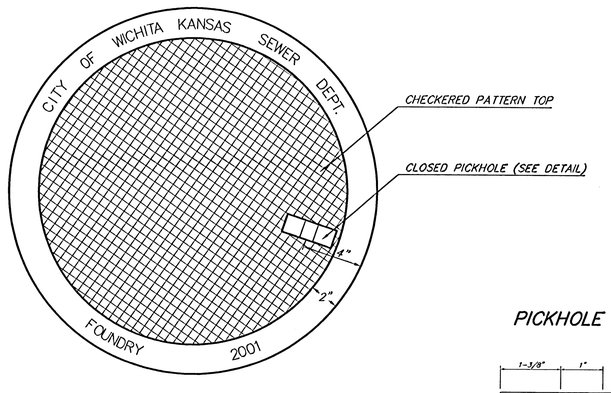
SHEET 13 OF 18

DESIGN	DRAWN	APPROVED	DATE	SCALE
STAFF	STAFF			NONE

MANHOLE FRAME AND COVER DETAIL

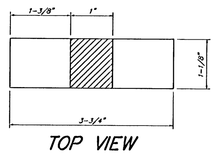
ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

MANHOLE COVER
Weight = 180 Lbs.

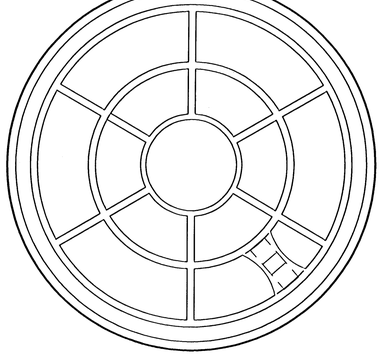


TOP VIEW

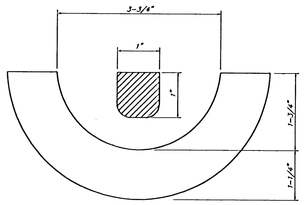
PICKHOLE DETAIL



TOP VIEW

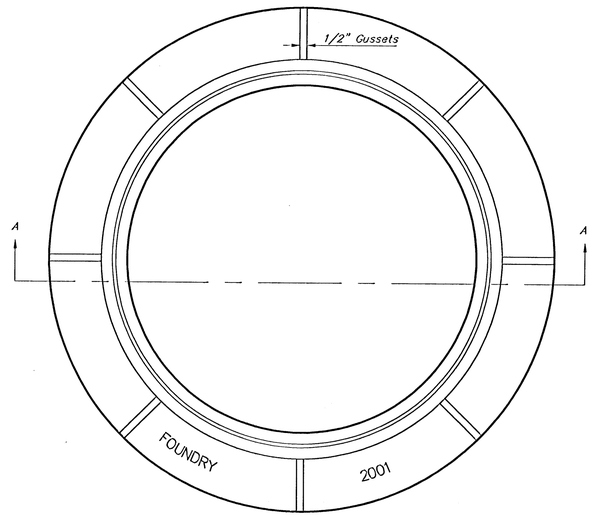


BOTTOM VIEW

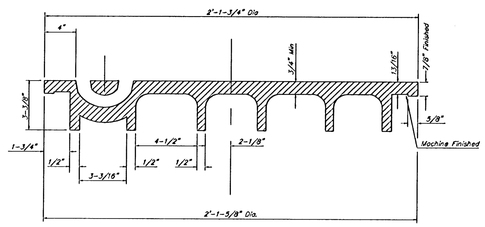


SECTION VIEW

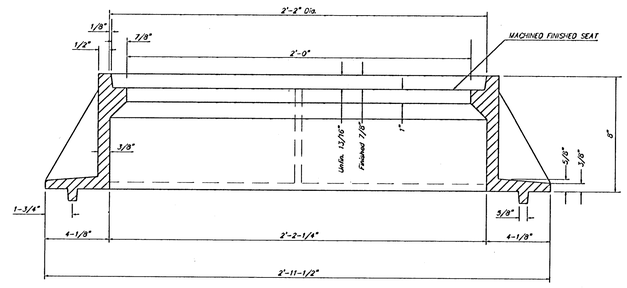
MANHOLE FRAME
Weight = 145 Lbs.



TOP VIEW



SECTION VIEW



SECTION A–A

GENERAL NOTES

MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.

MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.

THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH AS THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

MANHOLE FRAME AND COVER DETAIL
ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

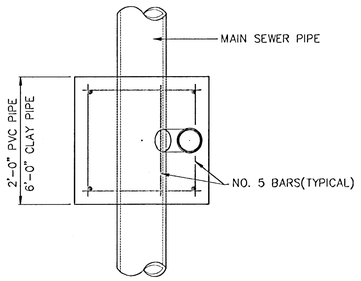
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER	SHEET
488-83167	14 OF 18

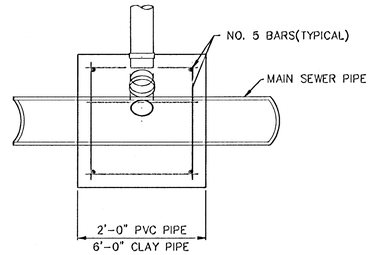
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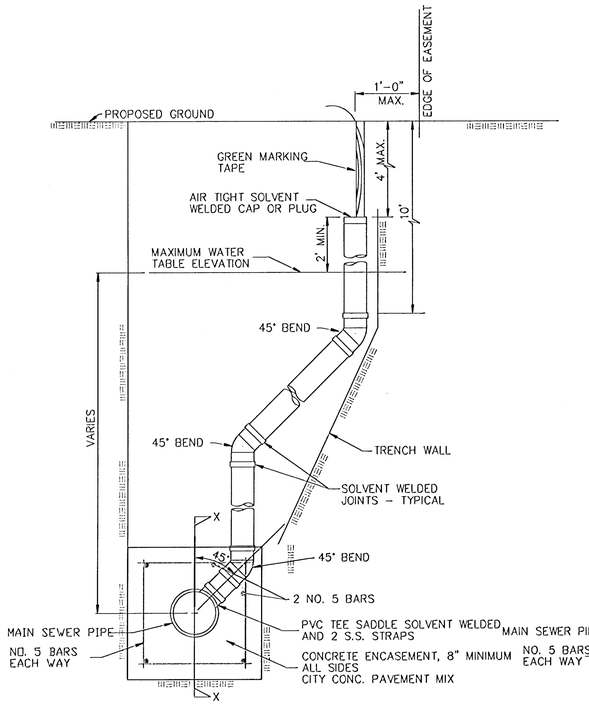
VERTICAL RISER DETAILS
ADOPTED AS STANDARD DESIGN
BY
CITY OF WICHITA, KANSAS
OCTOBER 1992



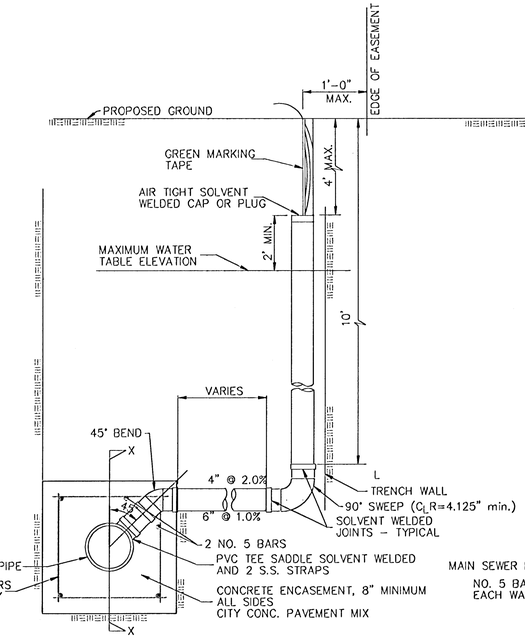
TYPICAL PLAN VIEW



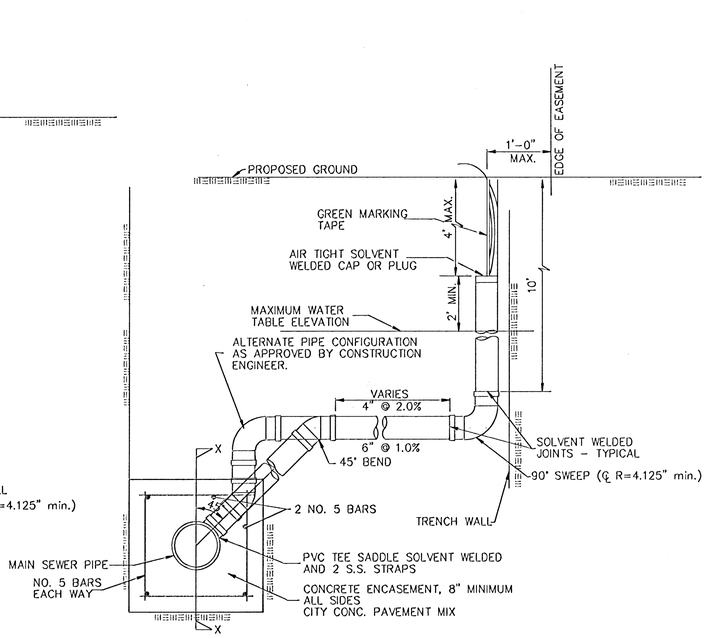
TYPICAL SECTION X-X



METHOD "A"



METHOD "B"



METHOD "C"

NOTE: RISER PIPE REQUIREMENTS AT MANHOLE STUBS SHALL BE SIMILAR TO THOSE SHOWN ABOVE.

GENERAL NOTES

1. RISERS. Risers shall be installed to serve all lots or tracts where the sanitary sewer main is below the water table. Risers shall also be installed to serve all lots and tracts where the sanitary sewer main depth is greater than 12 feet below the proposed ground elevation. Installation of risers because of field conditions shall be as approved by the Construction Engineer. The location of the risers to serve developed property shall be approved by the property owner and the Construction Engineer.

2. PIPE STUBS. Pipe stubs shall be installed in manholes where locations of manholes will provide satisfactory service connection as determined by the Construction Engineer. The vertical distance between the flowline of the manhole pipe stub and the flowline of the sanitary sewer main out of the manhole shall not exceed 2 feet. Risers shall be utilized at manhole pipe stubs as indicated in Note 1. Manhole pipe stubs shall be set such that the top of the stub is not lower than the top of the sanitary sewer main.

3. SIZING. Pipe stubs and risers shall be sized according to the plans and riser table where risers are indicated by the plans. Where risers or pipe stubs are required because of field conditions, the risers and stubs shall be six-inch diameter for commercial or industrial properties and 4" or 6" diameter for residential properties, based on lot size and sanitary sewer main depth. Sizing of risers and stubs shall be approved by the Construction Engineer prior to installation.

4. RISER OR STUB MATERIAL. Risers and stubs shall be constructed of Schedule 40 PVC Pipe, meeting the requirements of the latest revision of A.S.T.M. . All pipe joints shall be solvent welded.

5. REINFORCED CONCRETE ENCASEMENT. Riser connections to clay pipe sanitary sewers shall be reinforced concrete encased both ways from the riser centerline. The reinforced concrete encasement shall extend three feet from the riser centerline or stop at the first sanitary sewer pipe joint within three feet of the riser centerline. Riser connections to PVC Sanitary Sewer mains shall be reinforced concrete encased one foot each way from the riser centerline. The concrete encasement shall be reinforced using reinforcing steel as shown in the appropriate drawing. The concrete shall conform to the City Standard Specifications for concrete pavement.

6. BEDDING. Bedding around the sanitary sewer riser shall be compacted Pipe Bedding Type 1 or 2. The bedding shall be placed and compacted from the depth of the sanitary sewer main to the top of the sanitary sewer riser pipe. Compacted Pipe Bedding Type 1 or 2 shall be required for all risers whether constructed in vertical wall or sloped wall trenches. Bedding material and construction practices shall be approved by the Construction Engineer prior to installation.

7. SUPPORT OF RISERS. Sanitary sewer riser pipe shall be supported during trench backfill. The riser pipe shall be held in a vertical position at all times until trench backfill and compaction has been completed. Contractor's methods for supporting and backfilling the riser pipe shall be approved by the Construction Engineer.

8. PLUGGING. The ends of the riser pipes and manhole stubs shall be plugged using an airtight solvent welded cap or plug. Cap or plug fittings shall be approved by the Construction Engineer prior to installation. Caps or plugs which do not provide an airtight seal will not be accepted.

9. TOP OF THE RISER PIPE. The top elevation of the sanitary sewer riser pipe shall be built per plan elevations, unless otherwise directed by the Construction Engineer. Where riser elevations are not shown on the plans, the top of the risers shall be set at an elevation four feet below the proposed ground surface. If ground water is encountered, the top of the riser pipe shall be set at an elevation two feet (min.) above the maximum water table elevation, regardless of the riser elevation shown on the plans.

10. MARKING. Locations of the ends of the sanitary sewer riser pipe shall be marked by fastening green colored plastic tape to the end of the riser. The tape shall be supported by a length of wooden 2 x 4, extending from the top of the riser pipe to the proposed ground surface. The green tape shall be visible and extend one foot above the proposed ground surface. The green tape shall be 4 mil Polyethylene film with a minimum width of three inches, specifically manufactured for the purpose of identification of underground sewers.

11. LOCATION MEASURES. The project inspector shall record and document the location of all risers constructed as measured from the nearest manhole, indicating the direction from the manhole, the direction and distance from the main, riser size, and elevation of the top of the riser.

12. RISER LOCATION. The riser shall be located per plan if shown. If not shown on the plan, the riser shall be located at the center of the lot, within one foot of the property side of the easement for the lot being served. All riser locations shall be approved by the Construction Engineer prior to installation.

13. PAYMENT. "Sanitary sewer risers" shall be paid for at the contract unit price per each, which price shall be full compensation for all pipe, fittings, marking tape, length of wooden 2 x 4, reinforced concrete encasement, support during backfill, backfill, labor, site restoration, and any other items necessary to complete the work.

"Manhole stubs" shall be paid for at the contract unit price per each, which shall be full compensation for all labor, material, and incidentals necessary to complete the work including all pipe, fittings, reinforced concrete encasement, and all other items as required and listed for "Sanitary Sewer Risers".

City of Wichita Standard
Riser Details

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

PROJECT NUMBER				SHEET
468-83187				15 OF 18
DESIGN	DRAWN	APPROVED	DATE	SCALE NONE

Details Wriserdt

RIDGE PORT NORTH 3RD ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

This plat of "RIDGE PORT NORTH 3RD ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.
Dated this 16 day of December, 1999.
Wichita-Sedgwick County Metropolitan Area Planning Commission

Francis S. Garoffolo, Chairman
Francis S. Garoffolo

SEDGWICK COUNTY, KANSAS SEAL 13433

Marvin S. Krout, Secretary
Marvin S. Krout

We the undersigned, holders of a mortgage on the above described property, do hereby consent to this plat of "RIDGE PORT NORTH 3RD ADDITION", Wichita, Sedgwick County, Kansas.

Intrust Bank, N.A.

Gary D. Schmitt, S.V.P.
GARY D. SCHMITT (Title)

State of Kansas) SS
Sedgwick County)
The foregoing instrument acknowledged before me, this 1 day of Sept, 2000, by Gary D. Schmitt, Senior Vice President of the Intrust Bank, N.A., on behalf of the bank.
(Title)

JUDITH M. TERHUNE
Notary Public - State of Kansas
My Appt. Expires 11-7-2001

Judith M. Terhune, Notary Public
JUDITH M. TERHUNE

My App't. Exp. 11-7-2001

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this _____ day of _____, 2000.

_____, Mayor
Bob Knight

_____, City Clerk
Pat Burnett

Reviewed in accordance with K.S.A. 58-2005 on this 2nd day of October, 2000.

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

Entered on transfer record this _____ day of _____, 2000.

_____, County Clerk
James Alford

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 _____ day of _____, 2000, at _____ o'clock ____M, and is duly recorded.

_____, Register of Deeds
Bill Meek

_____, Deputy
Linda Kizzire

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD
17-23	B	140.6	1328.0
1-7	C	140.6	1328.0
15-19,22-24	D	140.6	1328.0
1-5,7-8,14-16,21	E	140.6	1328.0
1-7	F	139.6	1327.0
1	G	139.6	1327.0

BENCHMARK:
CITY DISC AT THE SW CORNER OF R.C.B.C. FOR DIG SLOUGH AT RIDGE ROAD
ELEV. = 144.22 CITY DATUM (1331.62 NGVD)

NOTE:
PERIMETER BOUNDARY CORNERS HAVE BEEN SET. INTERNAL CONTROL POINTS ARE TO BE SET UPON COMPLETION OF SITE FILL WORK.

NOTE:
A MASTER GRADING 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 IMPEDE THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.

0 100 200

● = #4 REBAR W/ "BAUGHMAN" CAP (SET)
○ = 1/2" IRON (FOUND)
■ = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
□ = NAIL IN 1/2" IRON (FOUND)
⊠ = 3/8" IRON (FOUND)
⊙ = RAILROAD SPIKE (FOUND)
◉ = #4 REBAR (FOUND)
△ = #5 REBAR (FOUND)

(M) = MEASURED
(P) = PLATTED
(C) = CALCULATED
(D) = DESCRIBED
(DEED) = DEED DESCRIPTION
(C-D) = CALCULATED PER DESCRIBED INFO.

DETAIL "B"
1"=50'

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

RIDGE PORT NORTH 3RD 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 "RIDGE PORT NORTH 3RD ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described follows: Part of the NW1/4 of Sec. 34, Twp. 26-S, R-1-W of the 6th P.M., Sedgwick County, Kansas described as beginning at the SE corner of Lot 6, Ridge Port North Addition, Wichita, Sedgwick County, Kansas; thence N00°26'22"E along the east line of said Lot 6, 522.05 feet to the NE corner of said Lot 6, said NE corner being on the south line of 34th Street North as dedicated in said Ridge Port North Addition; thence S89°33'38"E along the south line of said 34th Street North, 300.00 feet to the SE corner of said 34th Street North; thence N00°26'22"E along the east line of said 34th Street North, 84.00 feet to the NE corner of said 34th Street North, said NE corner also being the SW corner of Reserve "D" in said Ridge Port North Addition; thence S89°33'38"E along the south line of said Reserve "D", 626.34 feet to a corner of said Reserve "D"; thence N45°26'22"E along the southeast line of said Reserve "D", 873.42 feet to a corner of said Reserve "D"; thence N00°26'22"E along the east line of said Reserve "D", 516.79 feet to a point 915.126 feet south of the north line of said NW1/4 as measured parallel with the west line of said NW1/4; thence N90°00'00"E parallel with the north line of said NW1/4, 378.00 feet; thence N00°26'22"E parallel with the west line of said NW1/4, 915.126 feet to a point on the north line of said NW1/4; thence N90°00'00"E along the north line of said NW1/4, 350.27 feet to the NE corner of said NW1/4; thence S00°31'10"W along the east line of said NW1/4, 2632.77 feet to the SE corner of said NW1/4; thence S89°46'23"W along the south line of said NW1/4, 2268.67 feet to the point of beginning, TOGETHER with that part of the NE1/4 of said Sec. 34 described as follows: Beginning at the NW corner of the S1/2 of said NE1/4; thence south along the west line of said NE1/4, 944.38 feet; thence east parallel with the north line of the S1/2 of said NE1/4, 1467.73 feet, more or less, to a point 1145.00 feet west of the east line of said NE1/4; thence north parallel with the east line of said NE1/4, 416.38 feet; thence west parallel with the north line of the S1/2 of said NE1/4, 75.00 feet; thence north parallel with the east line of said NE1/4, 303.60 feet; thence west parallel with the north line of the S1/2 of said NE1/4 to a point on the west line of the E1/2 of said NE1/4; thence north along the west line of the E1/2 of said NE1/4, 224.40 feet to the NW corner of the SE1/4 of said NE1/4; thence west along the north line of the S1/2 of said NE1/4 to the point of beginning, TOGETHER with that part of said NE1/4 described as follows: Beginning at a point on the west line of the S1/2 of said NE1/4, said point being 944.38 feet south of the NW corner of said S1/2; thence south along the west line of said S1/2, 148.28 feet; thence east parallel with the south line of said S1/2, 1469.10 feet, more or less, to a point 1145.00 feet west of the east line of said S1/2; thence north parallel with the east line, 149.97 feet, more or less, to a point 944.38 feet south of the north line of said S1/2; thence west parallel with said north line, 1467.73 feet, more or less, to the point of beginning, TOGETHER with that part of said NE1/4 described as follows: Beginning at a point on the west line of the S1/2 of said NE1/4, said point being 1052.65 feet south of the NW corner of said S1/2; thence south along the west line of said S1/2, 29.65 feet; thence east parallel with the south line of said S1/2, 1469.37 feet, more or less, to a point 1145.00 feet west of the east line of said S1/2; thence north parallel with said east line, 29.65 feet, more or less, to a point 1094.35 feet south of the north line of said S1/2; thence west parallel with said north line, 1469.10 feet, more or less, to the point of beginning, all being subject to road rights-of-way of record.

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

All being situated in the NW1/4 and NE1/4 of Sec. 34, Twp. 26-S, R-1-W of the 6th P.M., Sedgwick County, Kansas.

Baughman Company, P.A.

Michael G. Conrey — 12-27-00 — Surveyor
Michael G. Conrey

MICHAEL G. CONREY REGISTERED KANSAS LAND SURVEYOR

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into Lots, Blocks, Streets, and Reserves to be known as "RIDGE PORT NORTH 3RD ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easements are 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 temporary cul-de-sac easement on Lakeway shall expire at such time as Lakeway is extended further north or terminated as a permanent cul-de-sac. The wall easements are hereby granted as indicated for the construction and maintenance of a private wall and utility main lines and service lines shall be allowed to cross these easements. The streets are hereby dedicated to and for the use of the public. Reserves "A", "B", and "C" are hereby reserved for open space, lakes, drainage purposes, sidewalks, gazebos, hike and bike trails, landscaping, and utilities as confined to easements. Reserves "D", "E", "F", and "G" are hereby reserved for entry monuments, landscaping, berms, streets, and utilities. Reserve "H" is hereby reserved for open space, landscaping, drainage purposes and berms. Reserves "A", "B", "C", "D", "E", "F", "G", and "H" shall be owned and maintained by the homeowners association for the addition. All abutters rights of access to or from 37th Street North over and across the north line of Lots 1 and 2, Block A, are hereby granted to the City of Wichita, Kansas. All abutters rights of access to or from Eisenhower over and across the east line of Lots 14, 25, 26, 27, and 28, Block D, are hereby granted to the City of Wichita, Kansas. The Minimum Building Pad Elevations for the lowest opening to the structures shall be as indicated on the face of the plat.

Ridge Port Group, LLC,
a Kansas Limited Liability Company

Jay W. Russell, Manager

Kevin M. Mullen, President
Ritchie Associates, Inc., Manager

State of Kansas)
Sedgwick County) SS

The foregoing instrument acknowledged before me, this 31st day of AUGUST, 2000, by Jay W. Russell, Manager of Ridge Port Group, LLC, a Kansas Limited Liability Company, on behalf of the company.

JUDITH M. TERHUNE
Notary Public - State of Kansas
My Appt. Expires 11-7-2001

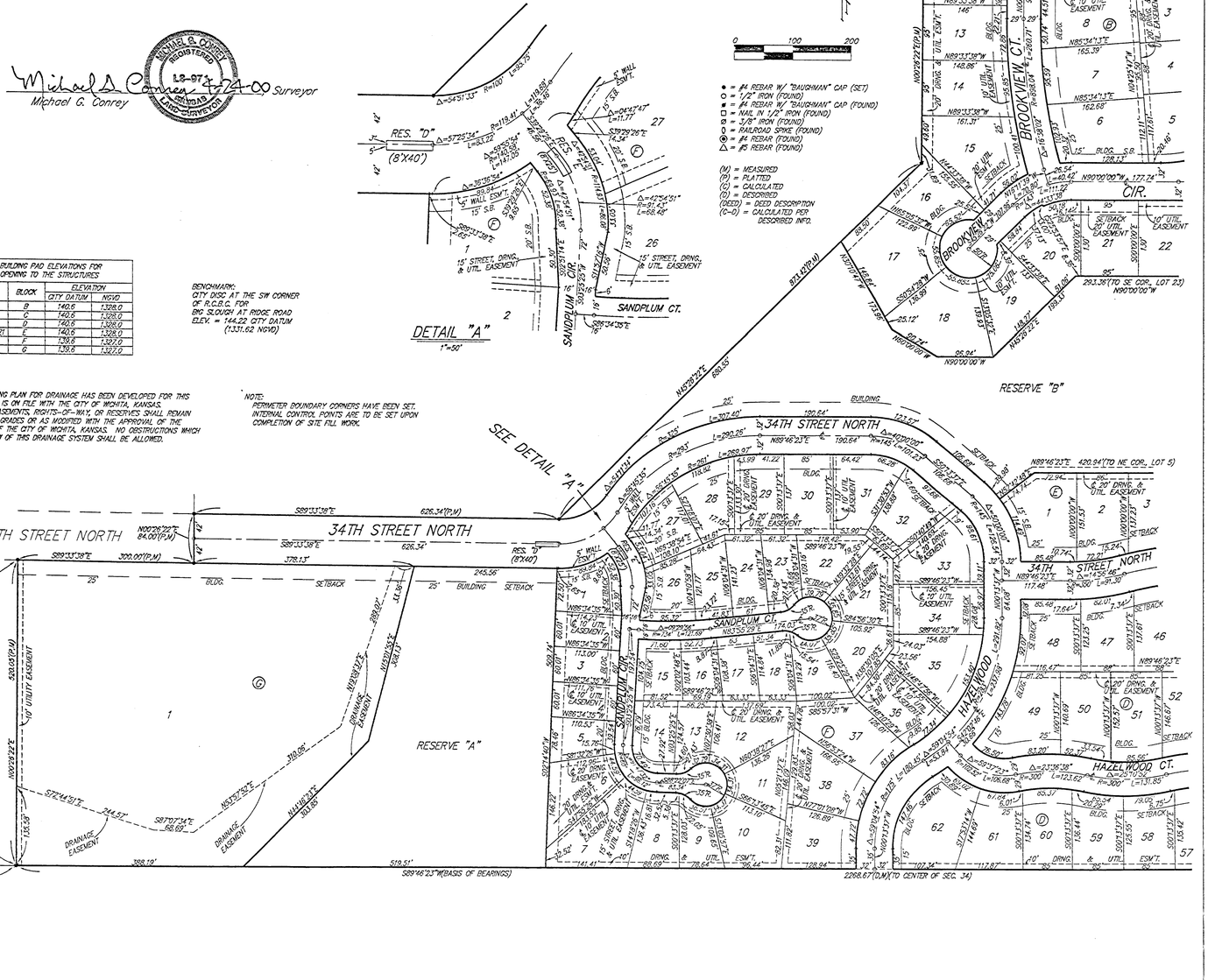
Judith M. Terhune, Notary Public
JUDITH M. TERHUNE
My App't. Exp. 11-7-2001

State of Kansas)
Sedgwick County) SS

The foregoing instrument acknowledged before me, this 31st day of AUGUST, 2000, by Kevin M. Mullen, President of Ritchie Associates, Inc., as Manager of Ridge Port Group, LLC, a Kansas Limited Liability Company, on behalf of the company.

JUDITH M. TERHUNE
Notary Public - State of Kansas
My Appt. Expires 11-7-2001

Judith M. Terhune, Notary Public
JUDITH M. TERHUNE
My App't. Exp. 11-7-2001



- = #4 REBAR W/ "BAUGHMAN" CAP (SET)
- = 1/2" IRON (FOUND)
- = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
- = NAIL IN 1/2" IRON (FOUND)
- = 3/8" IRON (FOUND)
- = RAILROAD SPIKE (FOUND)
- = #4 REBAR (FOUND)
- = #5 REBAR (FOUND)

(M) = MEASURED
(P) = PLATTED
(C) = CALCULATED
(D) = DESCRIBED
(DEED) = DEED DESCRIPTION
(C-D) = CALCULATED PER DESCRIBED INFO.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES

LOT	BLOCK	ELEVATION: CITY DATUM	ELEVATION: NGVD
17-23	B	1410.6	1,328.0
1-7	C	1410.6	1,328.0
15-19,20-24	D	1410.6	1,328.0
1-5,7-9,14-16,21	E	1410.6	1,328.0
1-7	F	1398.6	1,327.0
1	G	1398.6	1,327.0

BENCHMARK:
CITY DISC AT THE SW CORNER OF R.C.B.C. FOR BIG SLOUGH AT RIDGE ROAD
ELEV. = 144.22 CITY DATUM
(1331.62 NGVD)

NOTE:
A MASTER GRADING 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 IMPEDE THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.

NOTE:
PERIMETER BOUNDARY CORNERS HAVE BEEN SET. INTERNAL CONTROL POINTS ARE TO BE SET UPON COMPLETION OF SITE FILL WORK.

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

RIDGE PORT NORTH 4TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

0 100 200

● = ½ REBAR W/ "BAUGHMAN" CAP (SET)
○ = 1/2" IRON (FOUND)
■ = ½ REBAR W/ "BAUGHMAN" CAP (FOUND)
□ = NAIL IN 1/2" IRON (FOUND)
Ø = 3/8" IRON (FOUND)
) = RAILROAD SPIKE (FOUND)
⊗ = ½ REBAR (FOUND)
△ = ⅝ REBAR (FOUND)

(M) = MEASURED
(P) = PLATTED
(C) = CALCULATED
(D) = DESCRIBED
(DEED) = DEED DESCRIPTION
(C-D) = CALCULATED PER DESCRIBED INFO.
(C-DEED) = CALCULATED PER DEED DESCRIPTION

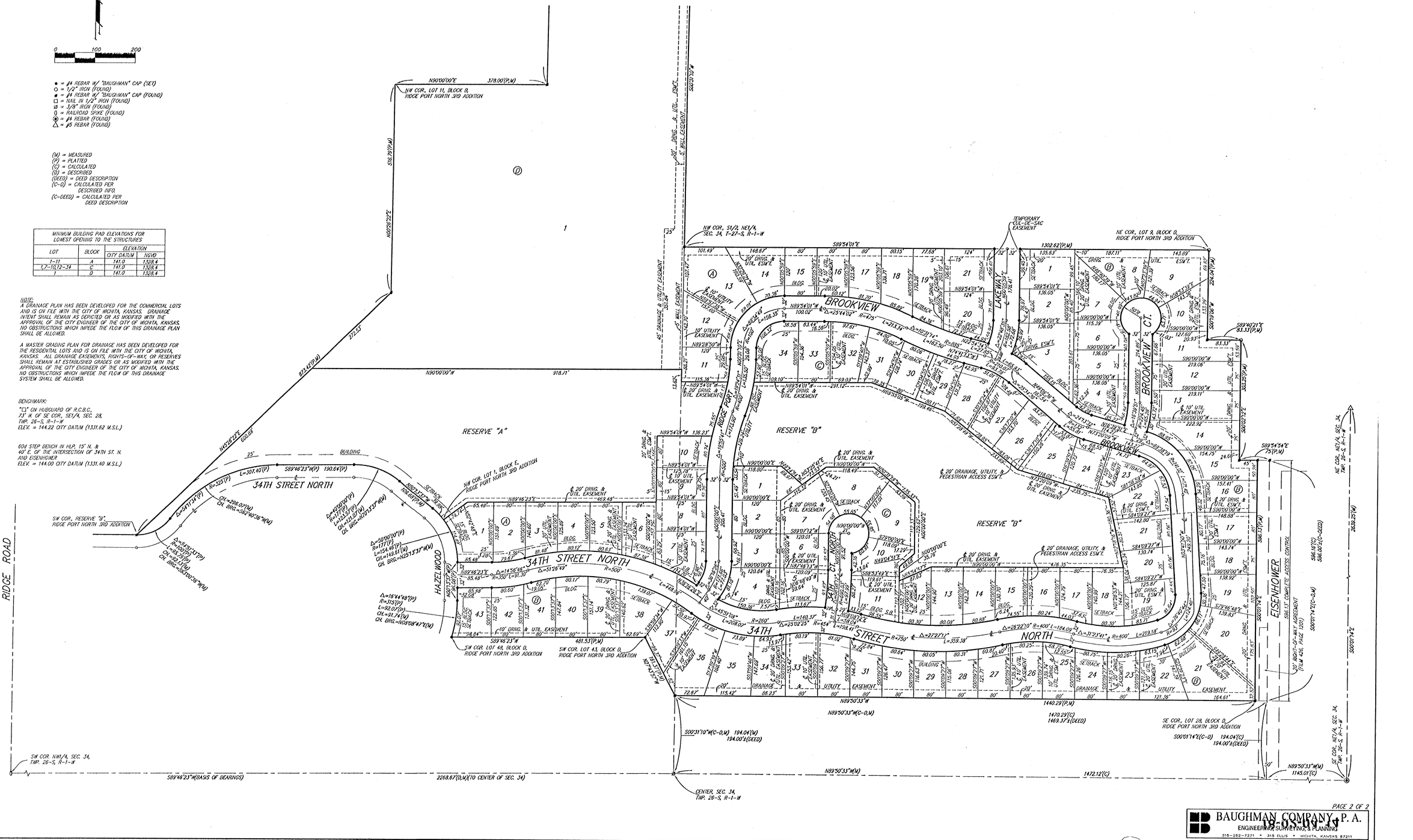
MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT	BLOCK	ELEVATION	
		CITY DATUM	NGVD
1–11	A	141.0	1328.4
1,7–10,12–34	C	141.0	1328.4
1	D	141.0	1328.4

NOTE:
A DRAINAGE PLAN HAS BEEN DEVELOPED FOR THE COMMERCIAL LOTS AND IS ON FILE WITH THE CITY OF WICHITA, KANSAS. DRAINAGE INTENT SHALL REMAIN AS DEPICTED OR AS MODIFIED WITH THE APPROVAL OF THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS. NO OBSTRUCTIONS WHICH IMPEDE THE FLOW OF THIS DRAINAGE PLAN SHALL BE ALLOWED.

A MASTER GRADING PLAN FOR DRAINAGE HAS BEEN DEVELOPED FOR THE RESIDENTIAL LOTS 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 IMPEDE THE FLOW OF THIS DRAINAGE SYSTEM SHALL BE ALLOWED.

BENCHMARK:
"□" ON HUBGUARD OF R.C.B.C., 73' W. OF SE COR., SE1/4, SEC. 28, TWP. 26–S, R–1–W
ELEV. = 144.22 CITY DATUM (1331.62 M.S.L.)

604 STEP BENCH IN HLP, 15' N. & 40' E. OF THE INTERSECTION OF 34TH ST. N. AND EISENHOWER
ELEV. = 144.00 CITY DATUM (1331.40 M.S.L.)



PAGE 2 OF 2

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING & PLANNING
316-262-7221 • 315 ELLIS • WICHITA, KANSAS 67211
F:\PLAT\RIDGEPORT NORTH 4TH ADD\DWG\RIDGPNTH4 DWG-MOC

18-02-06-1d