

SANITARY SEWER IMPROVEMENTS TO SERVE LARK 2ND ADDITION LATERAL 12, MAIN 13, S.W.I.

Project Number
468-76-245-82448-000-000-001
Index Code
742254

CITY OF WICHITA, KANSAS
Michael E. Lindebak, City Engineer

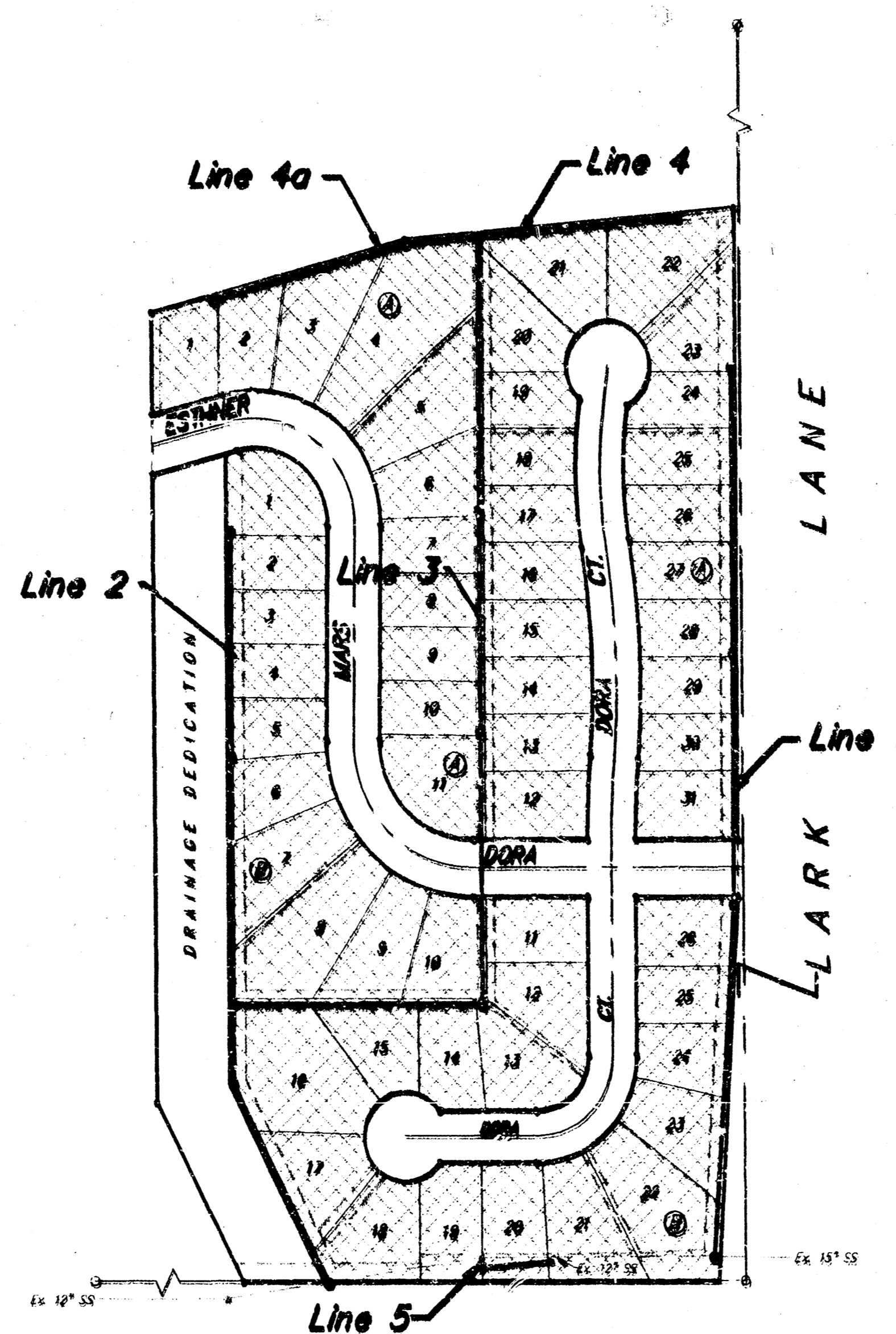
GENERAL NOTES:

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
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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
Arko Gas Company	342-8350
or	263-8161
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-6908
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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
3. Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.
4. The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.
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 abutting 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 maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.
8. 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.
9. Contractor shall grade the sanitary sewer alignment to the profile and elevations shown on the easement grading plan. All costs for grading shall be paid as lump sum for easement grading.
10. 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.



Benefit District:

BENCHMARK:

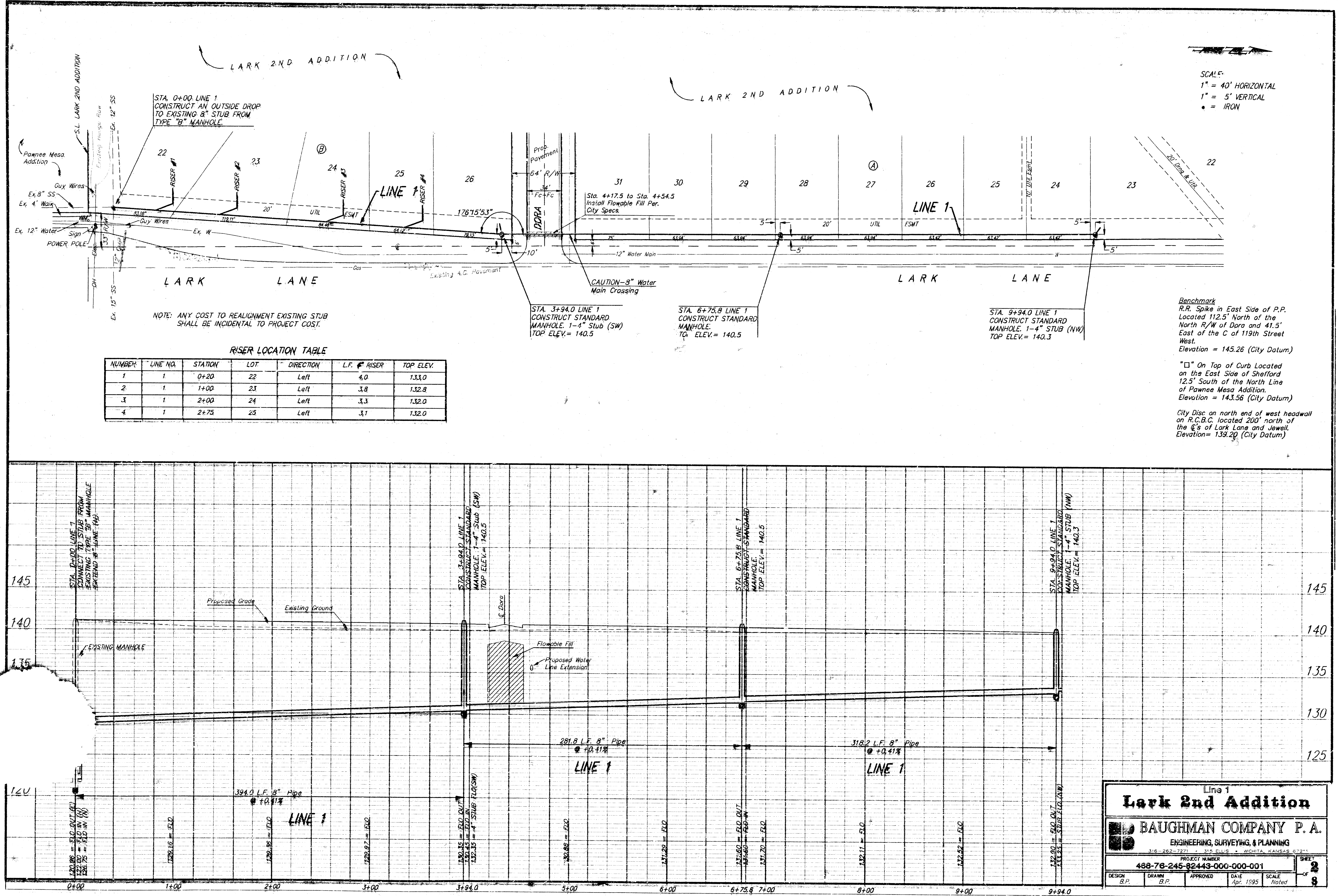
RR Spike in East Side of P.P.
Located 112.5' North of the
North R/W of Dora and 41.5'
East of the C of 119th Street
West.
Elevation = 145.26 (City Datum)

"E" On Top of Cure Located
on the East Side of Shefford
12.5' South of the North Line
of Pawnee Mesa Addition.
Elevation = 143.56 (City Datum)

INDEX:

- | | |
|---|-------------------------|
| 1 | Title Sheet |
| 2 | Line 1 |
| 3 | Line 2 |
| 4 | Line 3 |
| 5 | Line 4 & 4A |
| 6 | Line 5 |
| 7 | Standard Manhole Detail |
| 8 | Copy of Plat |





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

STA. 0+00 LINE 1
 CONSTRUCT AN OUTSIDE DROP
 TO EXISTING 8" STUB FROM
 TYPE "B" MANHOLE.

STA. 3+94.0 LINE 1
 CONSTRUCT STANDARD
 MANHOLE. 1-4" STUB (SW)
 TOP ELEV.= 140.5

STA. 6+75.8 LINE 1
 CONSTRUCT STANDARD
 MANHOLE.
 TOP ELEV.= 140.5

STA. 9+94.0 LINE 1
 CONSTRUCT STANDARD
 MANHOLE. 1-4" STUB (NW)
 TOP ELEV.= 140.3

Benchmark
 R.R. Spike in East Side of P.P.
 Located 112.5' North of the
 North R/W of Dora and 41.5'
 East of the C of 119th Street
 West.
 Elevation = 145.26 (City Datum)

"□" On Top of Curb Located
 on the East Side of Shefford
 12.5' South of the North Line
 of Pawnee Mesa Addition.
 Elevation = 143.56 (City Datum)

City Disc on north end of west headwall
 on R.C.B.C. located 200' north of
 the E's of Lark Lane and Jewell.
 Elevation= 139.20 (City Datum)

NOTE: ANY COST TO REALIGNMENT EXISTING STUB
 SHALL BE INCIDENTAL TO PROJECT COST.

RISER LOCATION TABLE

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. # RISER	TOP ELEV.
1	1	0+20	22	Left	4.0	133.0
2	1	1+00	23	Left	3.8	132.8
3	1	2+00	24	Left	3.3	132.0
4	1	2+75	25	Left	3.1	132.0

Line 1
Lark 2nd Addition

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

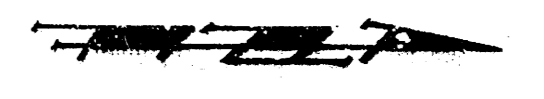
PROJECT NUMBER
488-76-245-82443-000-000-001

DESIGN B.P.	DRAWN B.P.	APPROVED	DATE Apr. 1995	SCALE Noted
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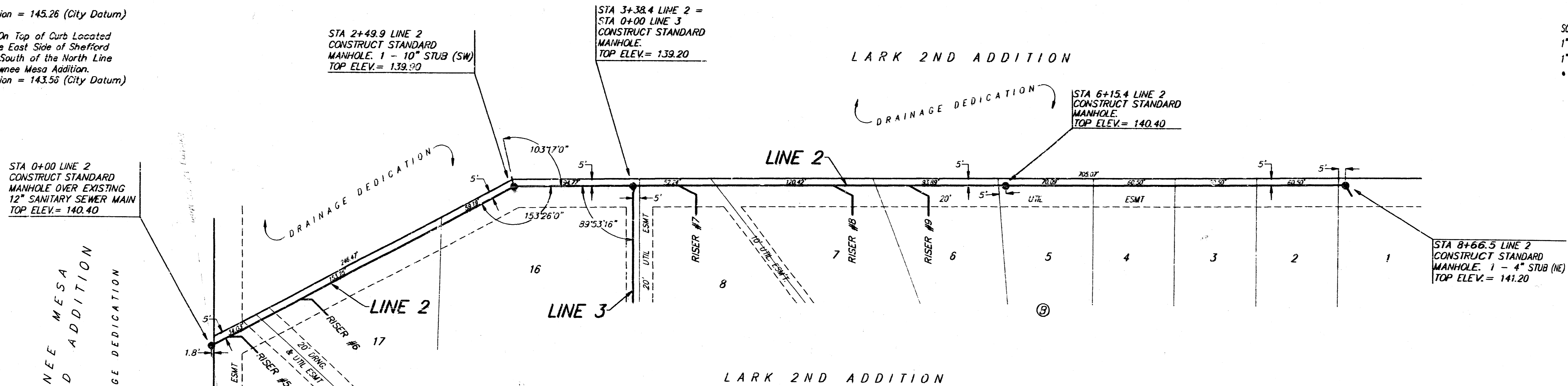
SHEET
2
 OF
8

Benchmark
 R.R. Spike in East Side of P.P.
 Located 112.5' North of the
 North R/W of Dara and 41.5'
 East of the C of 119th Street
 West.
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"□" On Top of Curb Located
 on the East Side of Shefford
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 Elevation = 143.55 (City Datum)

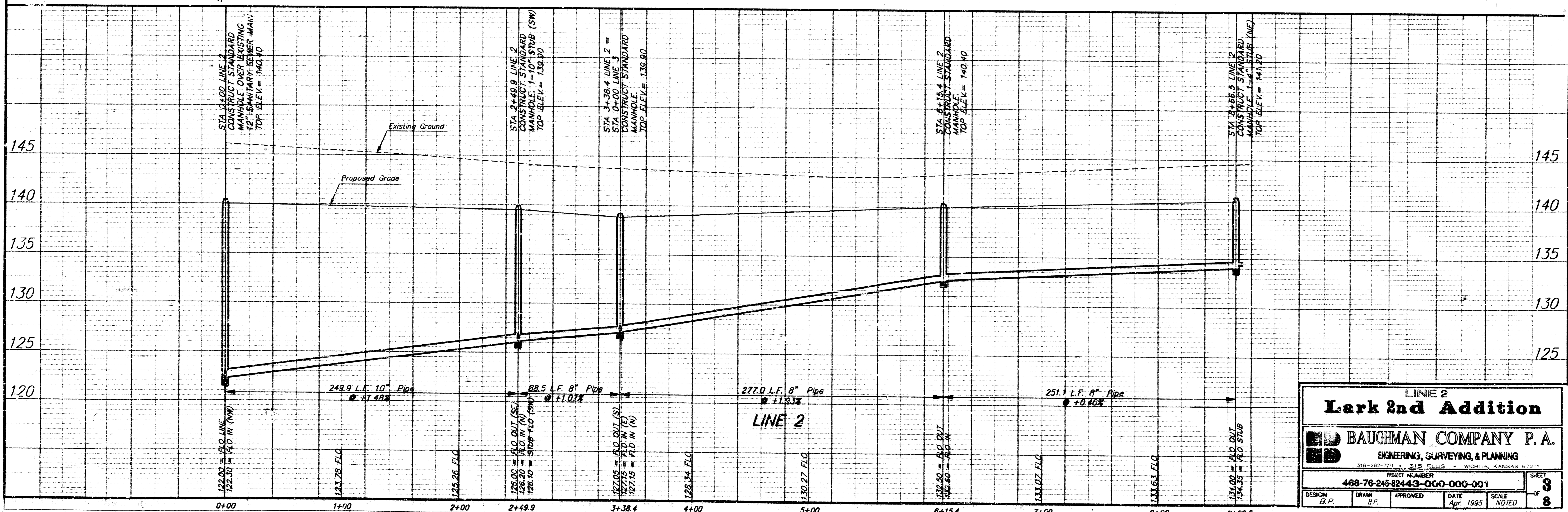


SCALE:
 1" = 40' HORIZONTAL
 1" = 5' VERTICAL
 • = IRON



RISER LOCATION TABLE

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER	TOP ELEV
5	2	0+20	18	RIGHT	8.7	132.0
6	2	0+85	17	RIGHT	7.6	131.8
7	2	3+75	8	RIGHT	3.8	131.6
8	2	4+90	7	RIGHT	1.5	131.6
9	2	5+45	6	RIGHT	1	131.6



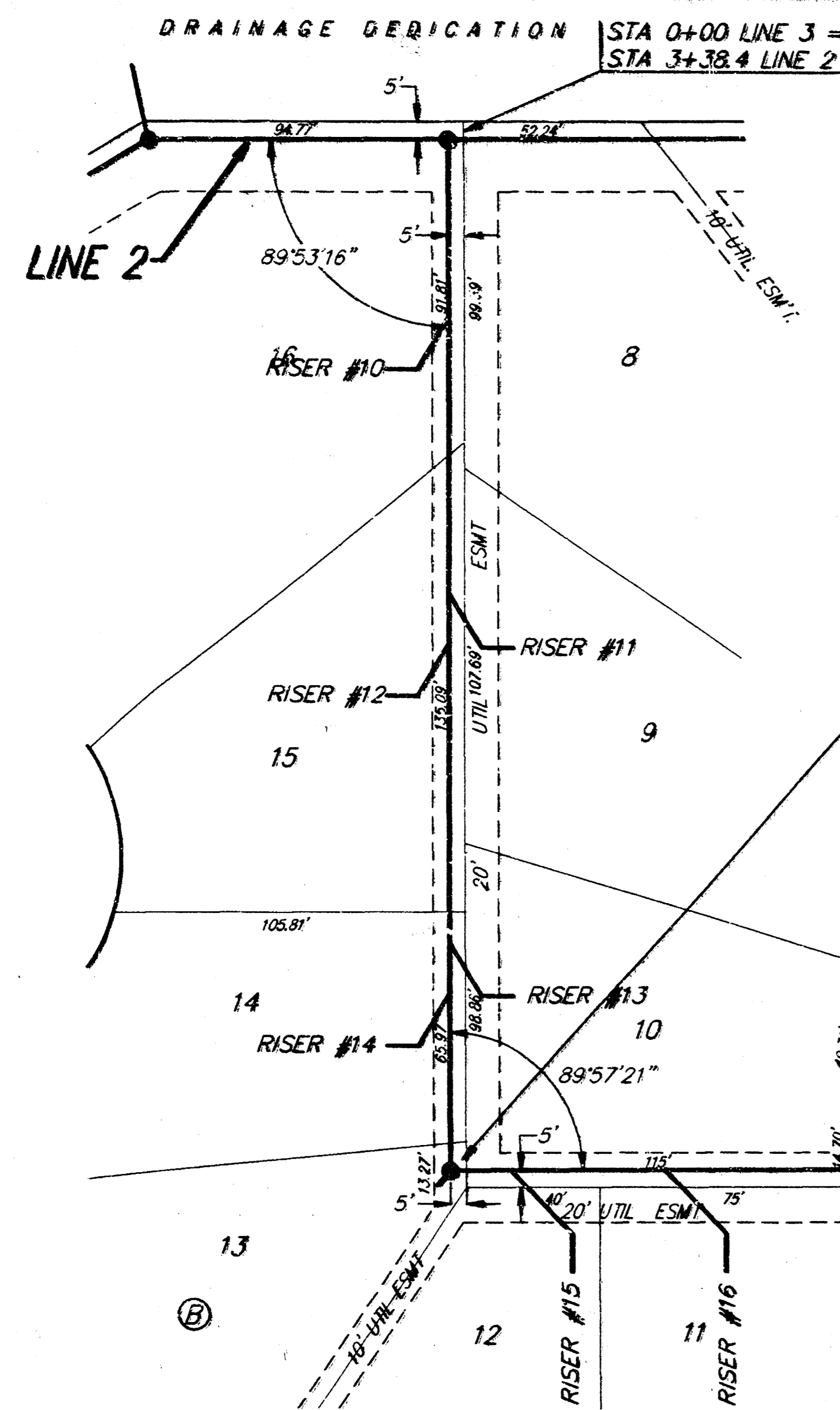
LINE 2
Lark 2nd Addition

BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 318-282-7711 • 315 FULS • WICHITA, KANSAS 67211

PROJECT NUMBER
468-78-245-82443-000-000-001

DESIGN: B.P. DRAWN: B.P. APPROVED: _____ DATE: Apr. 1995 SCALE: NOTED

SHEET
3
 OF
8



RISER LOCATION TABLE

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER	TOP ELEV.
10	3	0+50	16	RIGHT	8.5	136.0
11	3	1+30	9	LEFT	8.3	136.0
12	3	1+45	15	RIGHT	8.3	136.0
13	3	2+30	10	LEFT	7.1	135.2
14	3	2+45	14	RIGHT	6.9	135.0
15	3	3+15	12	RIGHT	5.9	134.4
16	3	3+30	11	RIGHT	5.5	134.2
17	3	5+00	12	RIGHT	4.7	134.0
18	3	5+25	11	LEFT	4.6	134.0

RISER LOCATION TABLE

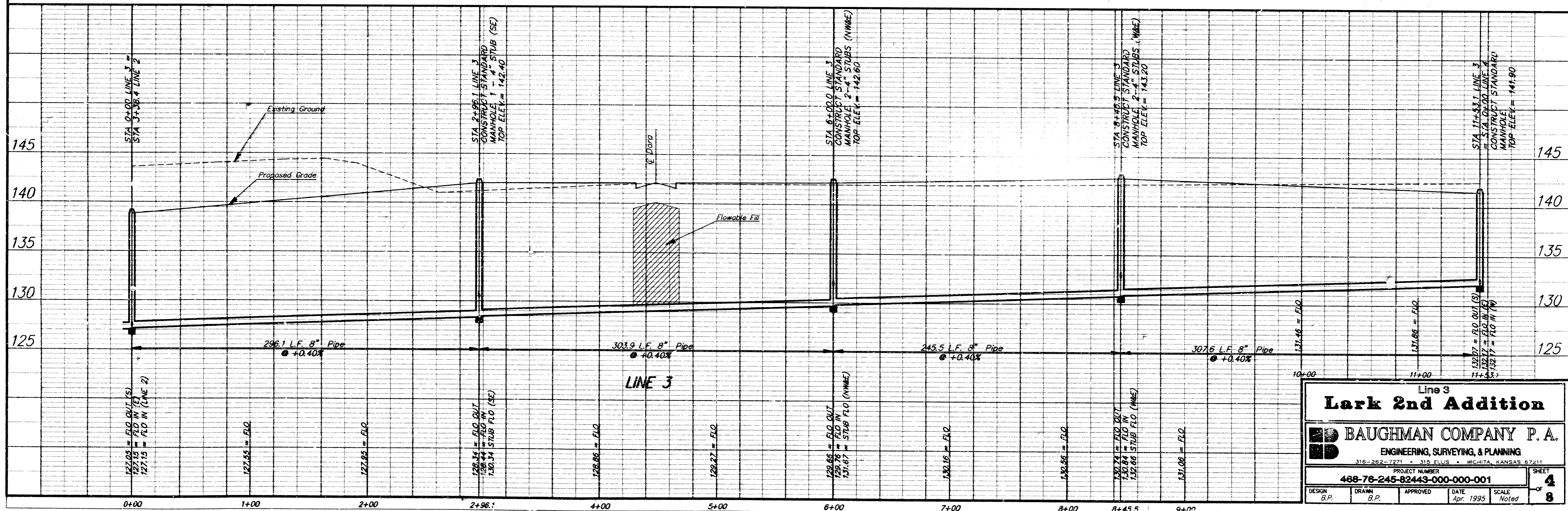
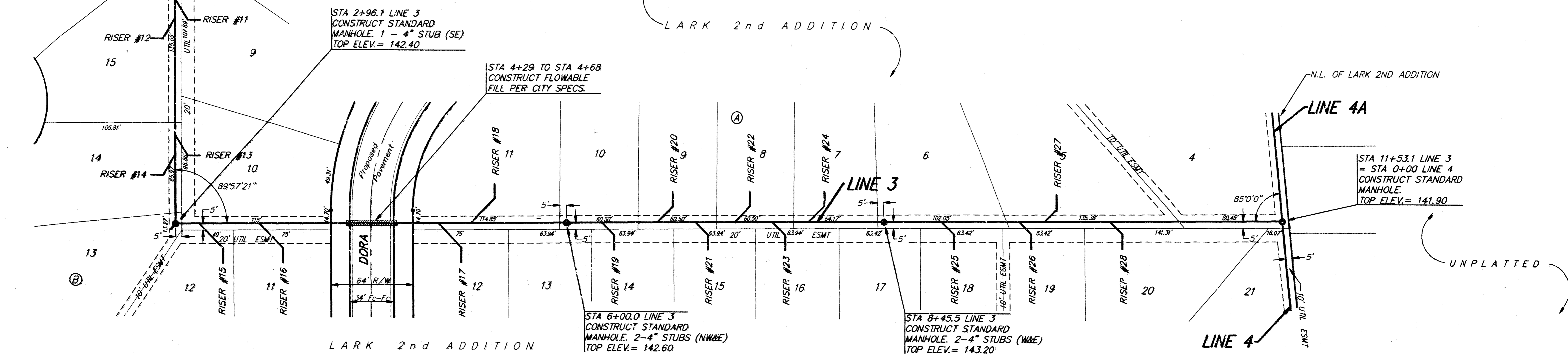
NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER	TOP ELEV.
19	3	6+30	14	RIGHT	4.3	134.1
20	3	6+70	9	LEFT	4.2	134.1
21	3	7+00	15	RIGHT	4.3	134.3
22	3	7+30	8	LEFT	4.2	134.4
23	3	7+60	16	RIGHT	4.1	134.4
24	3	7+90	7	LEFT	4.1	134.5
25	3	8+90	18	RIGHT	3.8	134.6
26	3	9+50	19	RIGHT	3.6	134.7
27	3	9+70	5	LEFT	3.5	134.7
28	3	10+20	20	RIGHT	3.6	135.0

Benchmark
 R.R. Spike in East Side of P.P.
 Located 112.5' North of the
 North R/W of Dora and 41.5'
 East of the C of 119th Street
 West.
 Elevation = 145.26 (City Datum)

* □ On Top of Curb Located
 on the East Side of Shefford
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 of Pawnee Mesa Addition.
 Elevation = 143.56 (City Datum)



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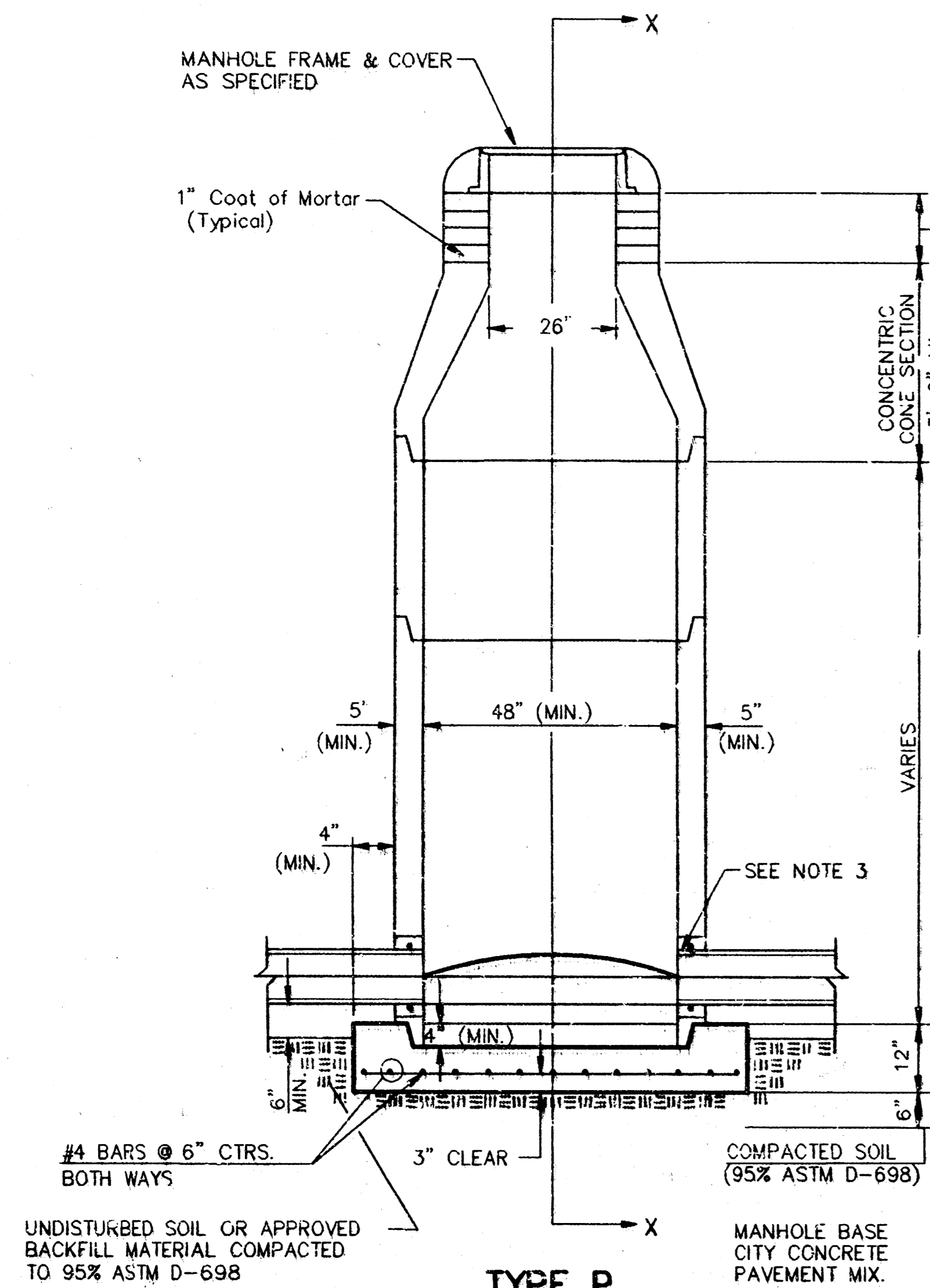
Line 3
Lark 2nd Addition

BAUGHMAN COMPANY P. A.
 ENGINEERING, SURVEYING, & PLANNING
 318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

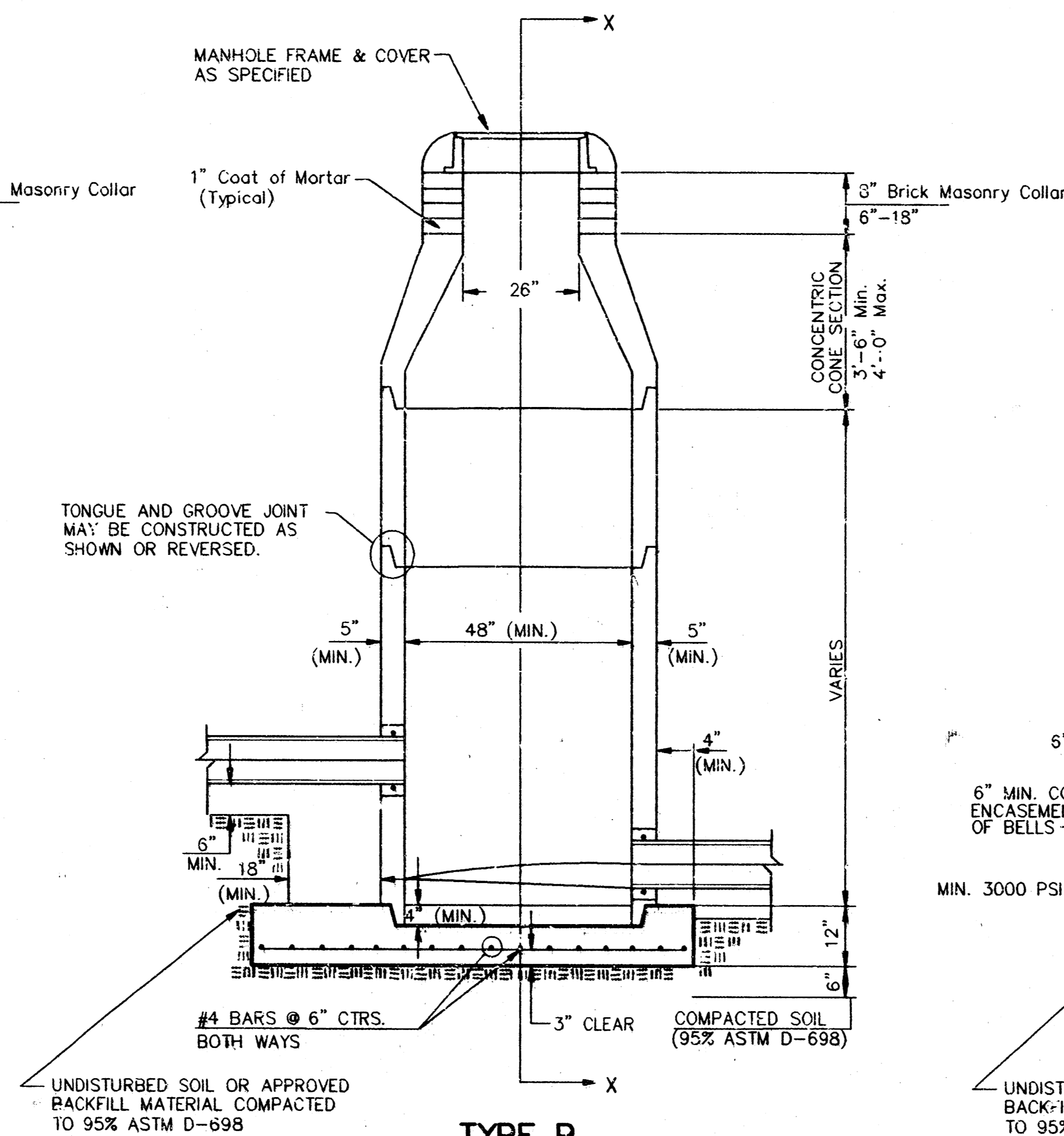
PROJECT NUMBER
488-76-245-82443-000-001

DESIGN B.P.	DRAWN B.P.	APPROVED	DATE Apr. 1995	SCALE Noted	SHEET 4 OF 8
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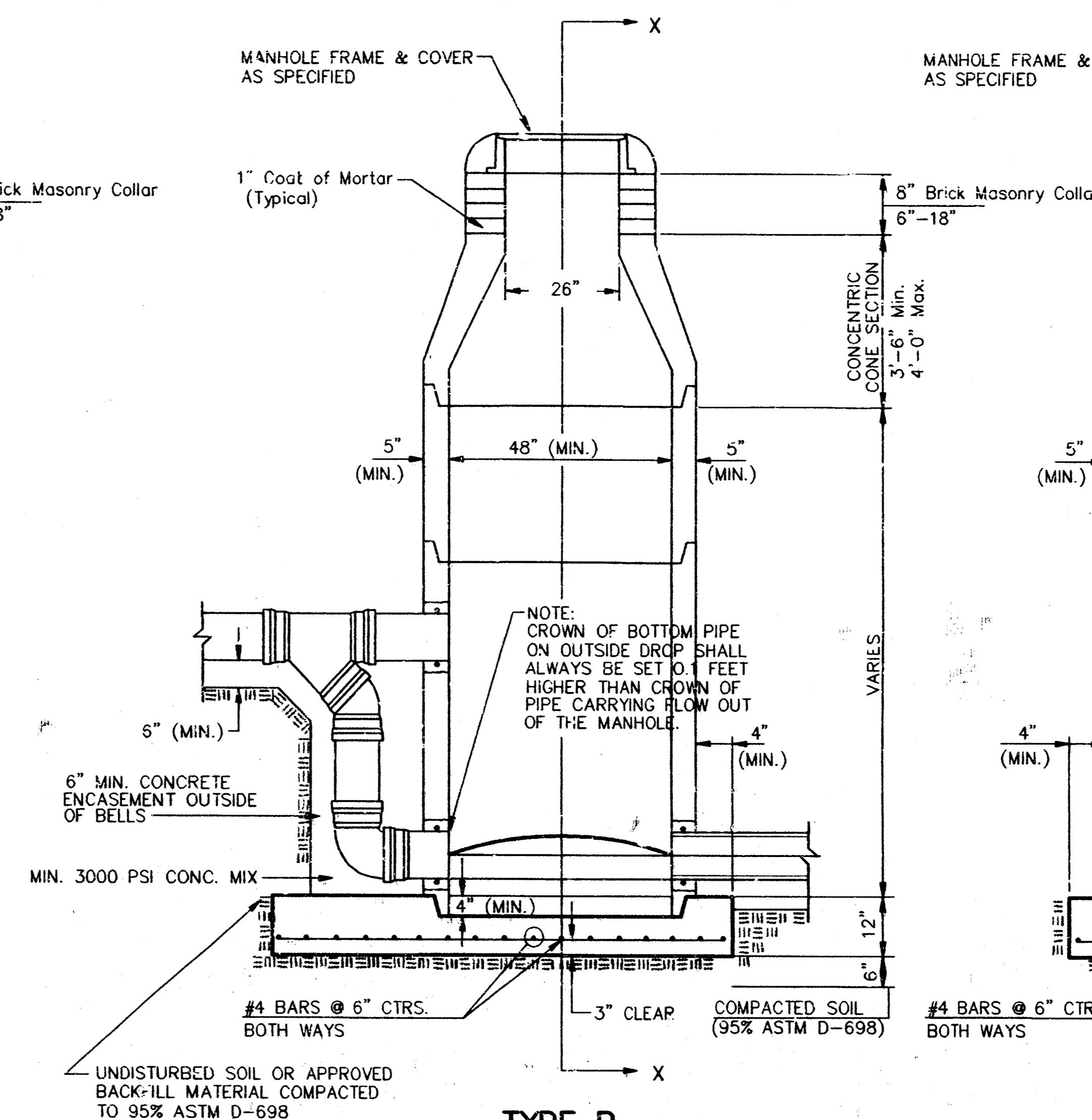
SEWER APPURTENANCES DETAILS



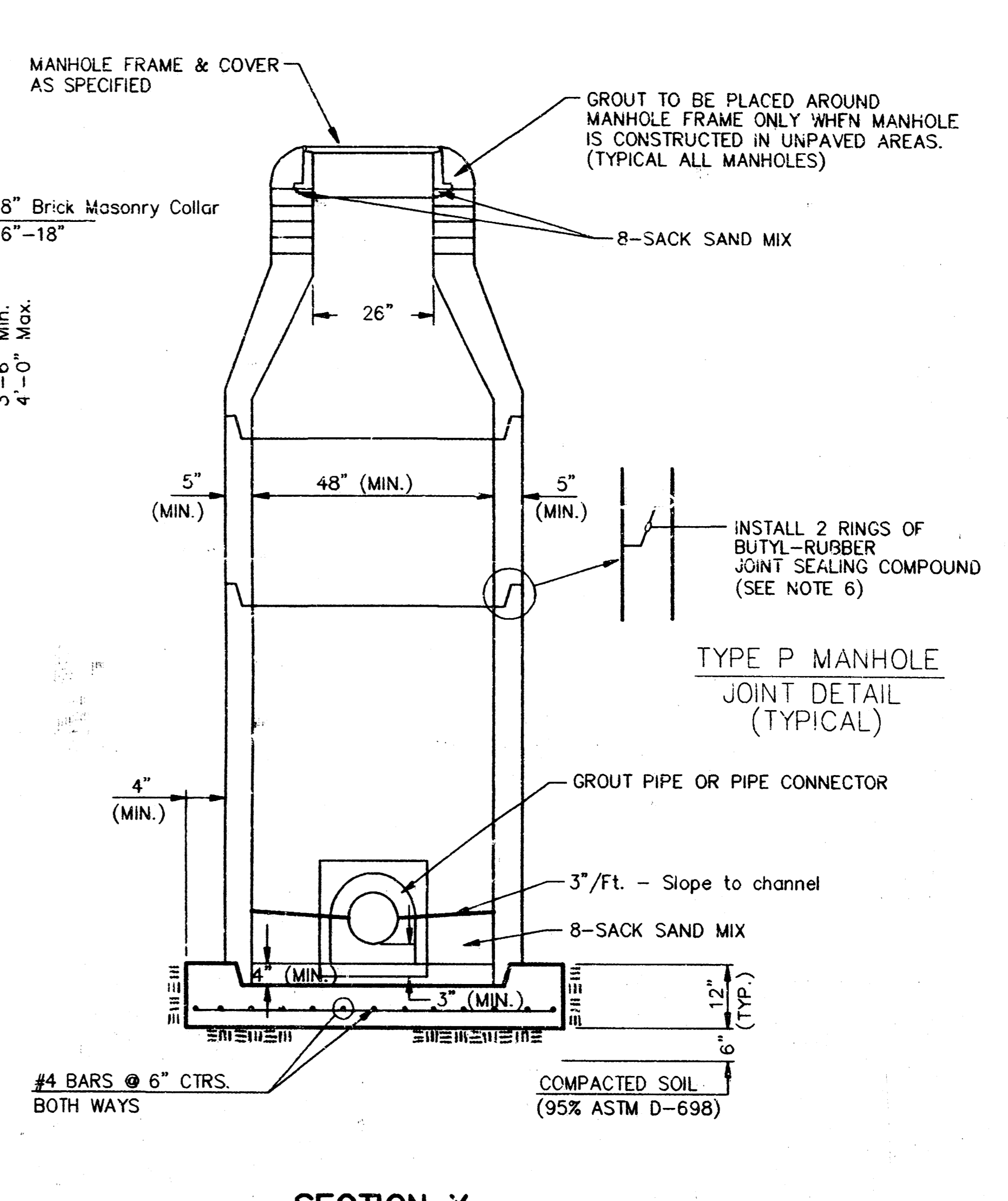
**TYPE P
STANDARD MANHOLE**



**TYPE P
INSIDE DROP MANHOLE**



**TYPE P
OUTSIDE DROP MANHOLE**



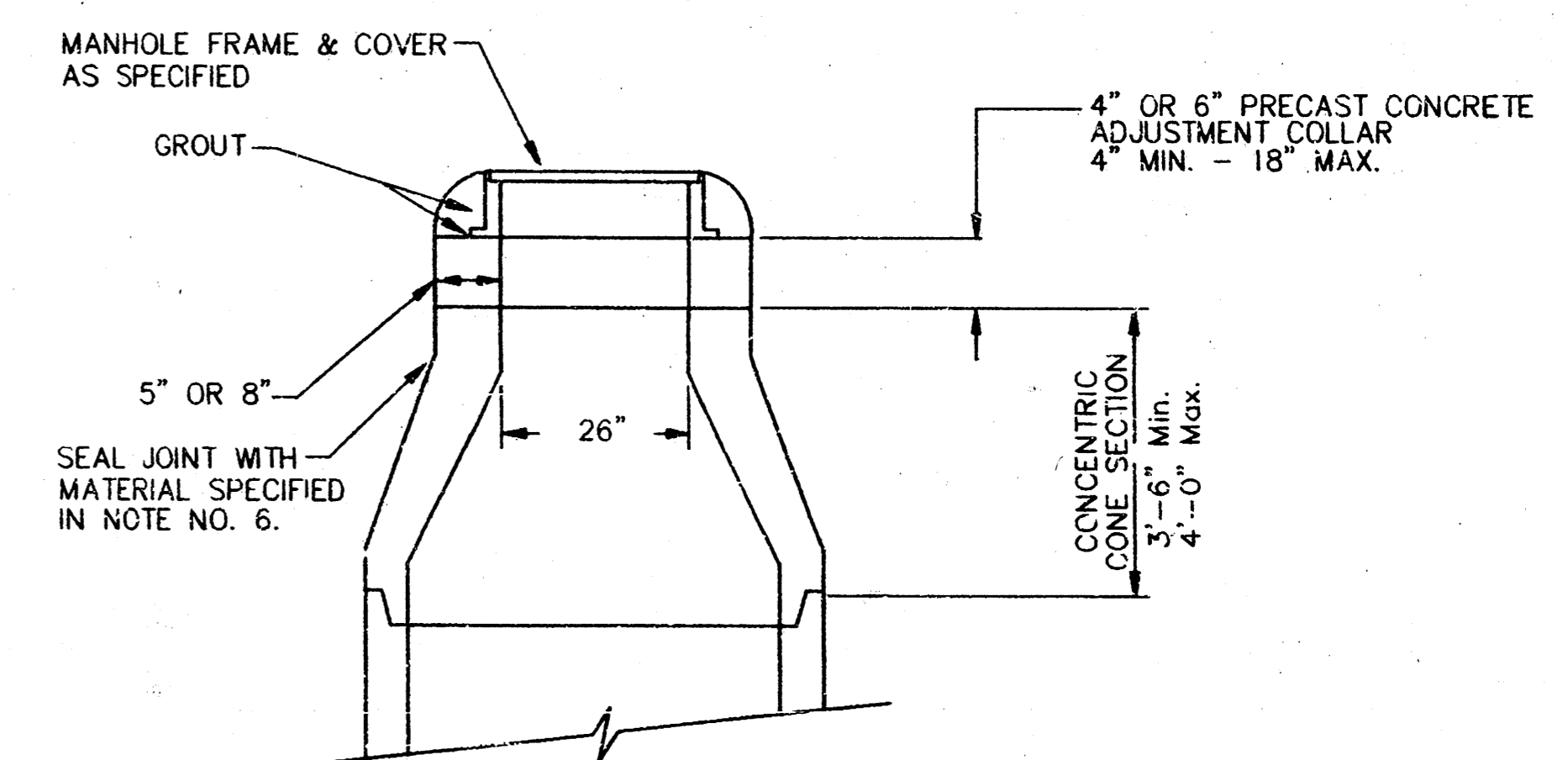
**SECTION X
(TYPICAL)**

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 TNEMC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILAR 633 BITUMINOUS COATING.
6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROX. 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 BELL. 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 NONSHRINK 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 MANHOLE FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK ON EXISTING MANHOLE.
13. IF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS. IF MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHICH COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE. ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHOULD BE MATCHED TO THE BOTTOM HALVES OF THE INFLOWING 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. FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE 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, KANSAS
STANDARD MANHOLE DETAILS
SEWER APPURTENANCES DETAILS**

BAUGHMAN COMPANY P. A.		REV.
ENGINEERING, SURVEYING & PLANNING		NOV. 1993
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		
PROJECT NUMBER		SHEET
443-78-245-82448-000-000-001		7
DESIGN	DRAWN	APPROVED
		DATE
		SCALE
		OF
		8

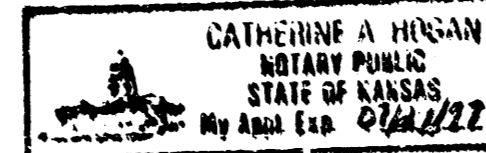
LARK 2ND ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS We, the undersigned, holders of a mortgage
Sedgwick County) on the above described property, do hereby consent to this plat of
"LARK 2ND ADDITION", Wichita, Sedgwick County, Kansas.

State Bank of Colwich

Frank A. Sullinger President
FRANK A. SULLINGER (104)

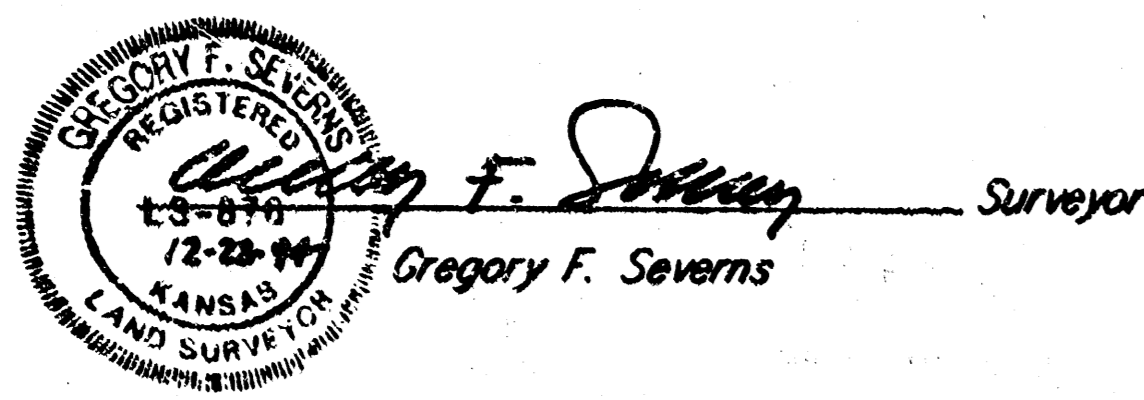
State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 22nd day of September, 1997, by
Frank A. Sullinger, President of the State Bank of Colwich on
behalf of the bank.



Catherine A. Hagan Notary Public
CATHERINE A. HAGAN

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

Baughman Company, P.A.



Gregory F. Severns Surveyor
Gregory F. Severns

This plat of "LARK 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 22nd day of September, 1997.
Wichita-Sedgwick County Metropolitan Area Planning Commission

James D. Minor Chairman
James D. Minor

Marvin S. Klout Secretary
Marvin S. Klout

This plat approved and all dedications
shown hereon accepted by the City Council of the City of Wichita,
Kansas, this _____ day of _____, 199__.

Elmo Broadfoot Mayor

Pat Burnett City Clerk

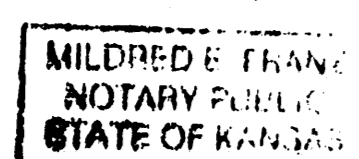
Entered on transfer record this _____ day
of _____, 199__.

Susan E. Crockett-Spoon County Clerk

State of Kansas) SS The foregoing instrument acknowledged be-
fore me, this 22nd day of September, 1997, by Paul E. Kelsey,
President of Kelsey Investments, on behalf of Kelsey Investments.

Mildred E. Franz Notary Public
MILDRED E. FRANZ

My App'l. Exp. 2-3-99



Pat Kettler Register of Deeds

Ed Resa Deputy

SCALE
1" = 100'

• = 1/2" REBAR W/ "BAUGHMAN" CAP (SET)
○ = 1/2" SWH (FOUND)
□ = 1" SWH (FOUND)

MINIMUM BUILDING PAD ELEVATIONS
FOR LOWEST OPENING OF STRUCTURE

Lots & Block	M.S.L.	CITY DATUM
1-2, 16-22 - Blk. B	1127.40	140.00

BENCHMARK:
CITY OF WICHITA BENCH MARK DISC, N END OF
W. HEADWALL OF R.C.B.C., LARK & MAY
ELEV. = 139.20 (CITY DATUM)

