

SANITARY SEWER IMPROVEMENTS TO SERVE LARK 5TH ADDITION LATERAL 378, S.W.I.

Project Number

488-82747

Index Code

748161

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

GENERAL NOTES:

- 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 942-8350
263-8161
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Department 268-4908
City of Wichita Sewer Maintenance 268-4077

- 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.
- 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.
- The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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. Ground shall be prepared per City of Wichita specifications prior to seeding.

BENCHMARK:

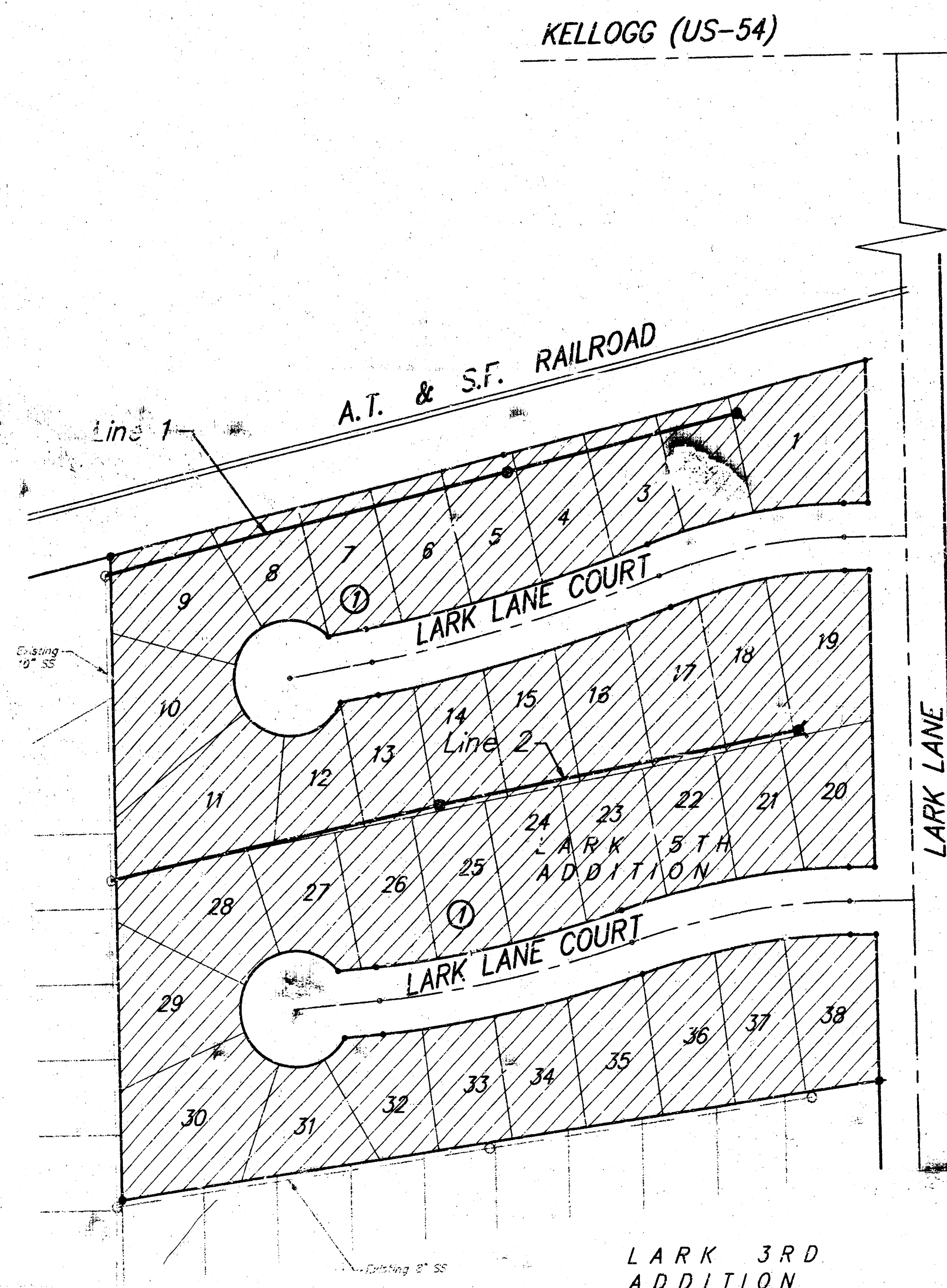
BM #1 City of Wichita Bench Mark Disc, N. End W. Headwall of R.C.B.C., Lark & May. Elev. = 139.20 (City Datum)

BM #2 "X" Top of Curb Located on the East Side of Shefford 12.5' South of the North Line of Pawnee Mesa Addition. Elev. = 143.56 (City Datum)

INDEX:

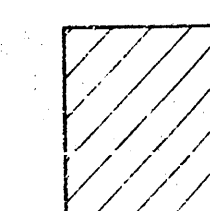
- Title Sheet
- Line 1
- Line 2
- Easement Grading Plan
- Standard Manhole Detail
- Riser Detail
- Copy of Plat

LARK 3RD ADDITION

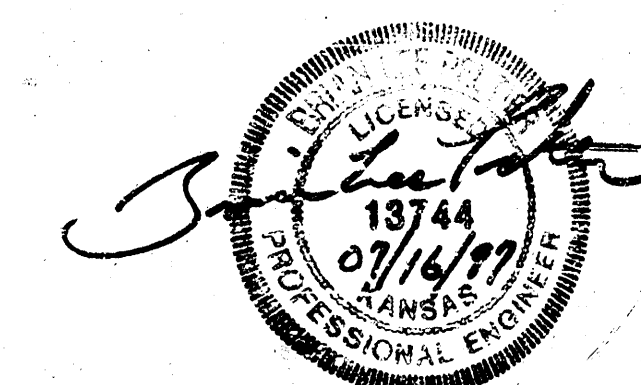
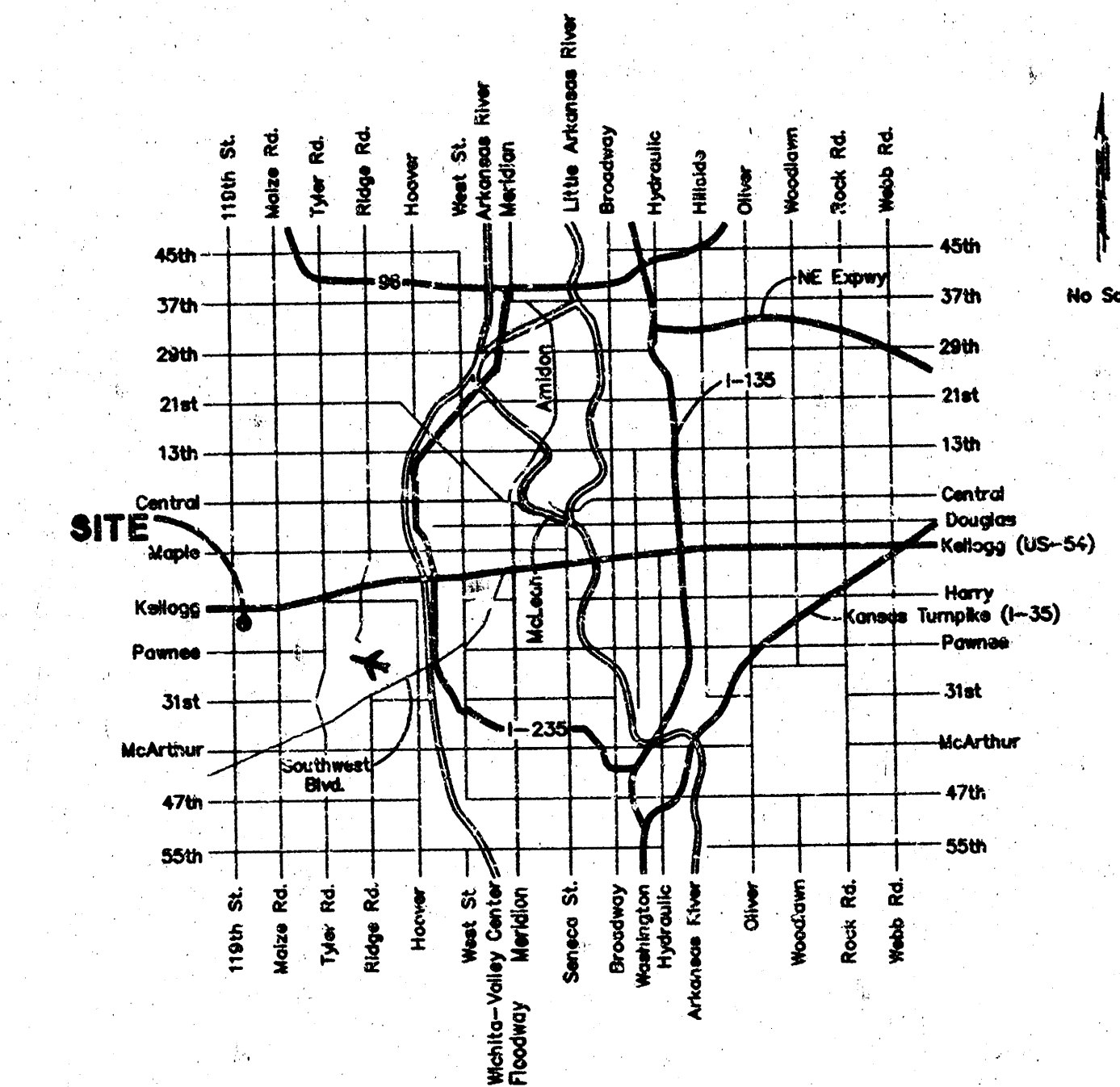


LARK 3RD ADDITION

Benefit District:



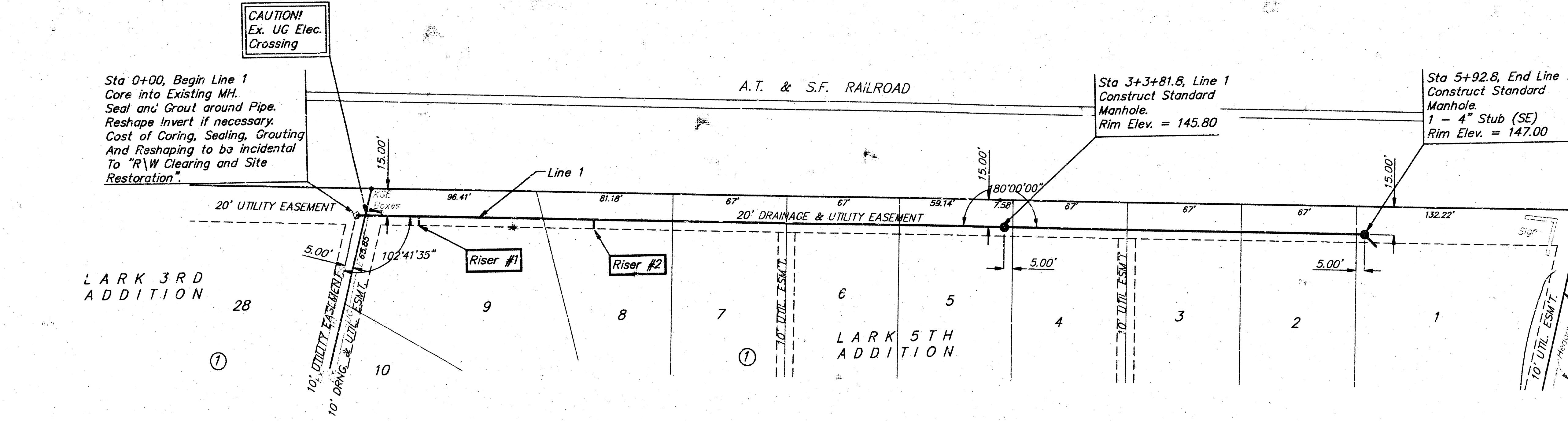
Booked
N-284
12/9/97
RDL
AS BUILT



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

BENCHMARKS:
 BM #1 City of Wichita Bench Mark Disc, N. End W. Headwall of R.C.B.C., Lark & May. Elev. = 139.20 (City Datum)
 BM #2 "Top of Curb Located on the East Side of Shefford 12.5' South of the North Line of Pawnee Mesa Addition. Elev. = 143.56 (City Datum)

Scale 1" = 40' Horizontal
 1" = 5' Vertical
 = Iron

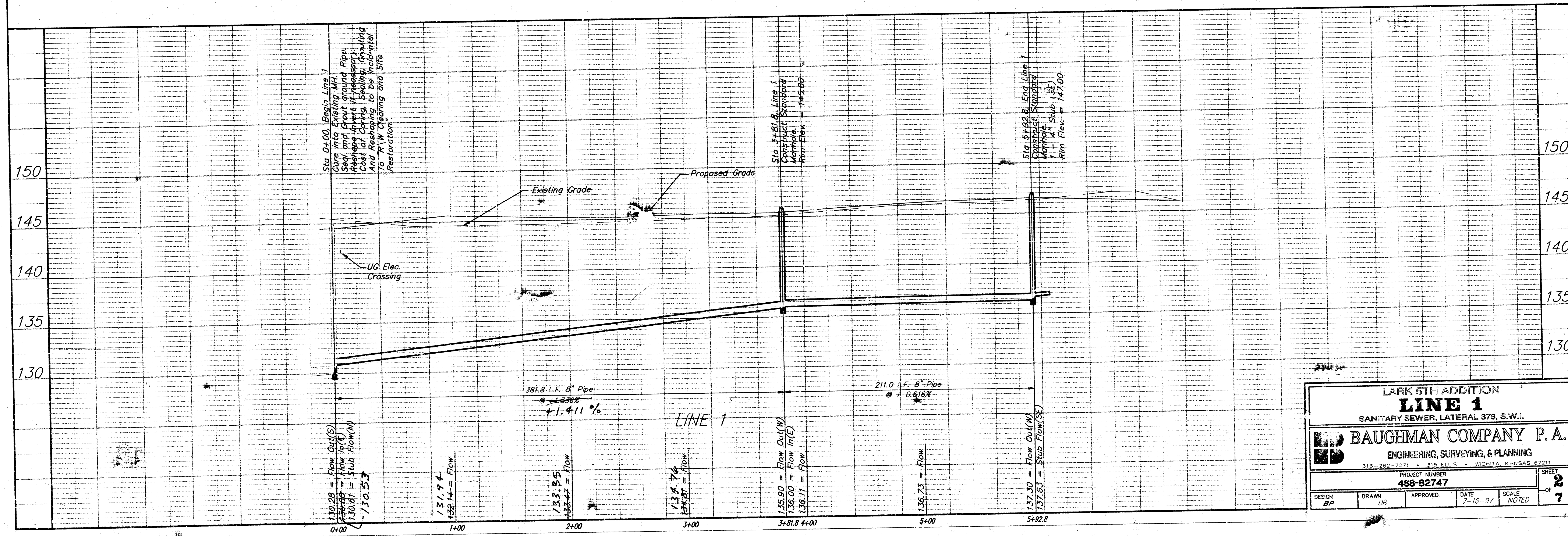


NOTE: Contractor to Verify Depth & Location of Existing Manhole Prior to Construction.

SEWER SERVICE TABLE

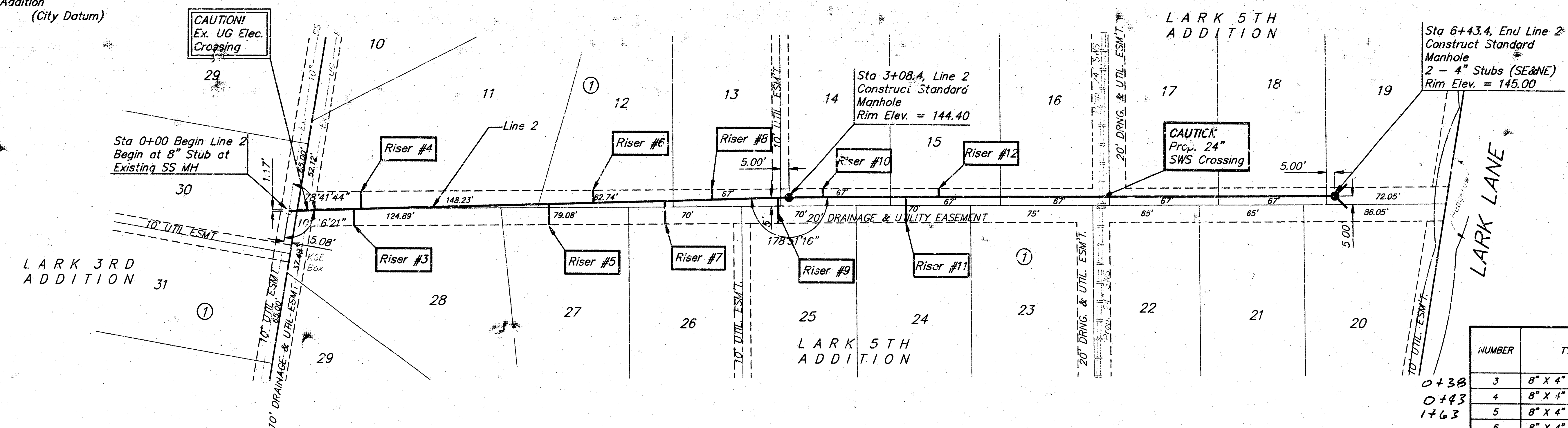
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION DIRECTION	APPROXIMATE LENGTH 4" PIPE	
1	8" X 4" Tee Saddle	9	1	1	10+12.36-7/RL	10.5'	5'
2	8" X 4" Tee Saddle	8	1	1	1+38.8/RL	9.5'	5'

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



LARK 5TH ADDITION
LINE 1
 SANITARY SEWER, LATERAL 378, S.W.I.
BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67231
 PROJECT NUMBER **466-82747**
 DESIGN **BP** DRAWN **DP** APPROVED DATE 7-16-97 SCALE NOTED SHEET **2** OF **7**

BENCHMARKS:
 BM #1 City of Wichita Bench Mark Disc. N. End W. Headwall of R.C.B.C., Lark & May. Elev. = 139.20 (City Datum)
 BM #2 "□" Top of Curb Located on the East Side of Shefford 12.5' South of the North Line of Pawnee Mesa Addition Elev. = 143.56 (City Datum)

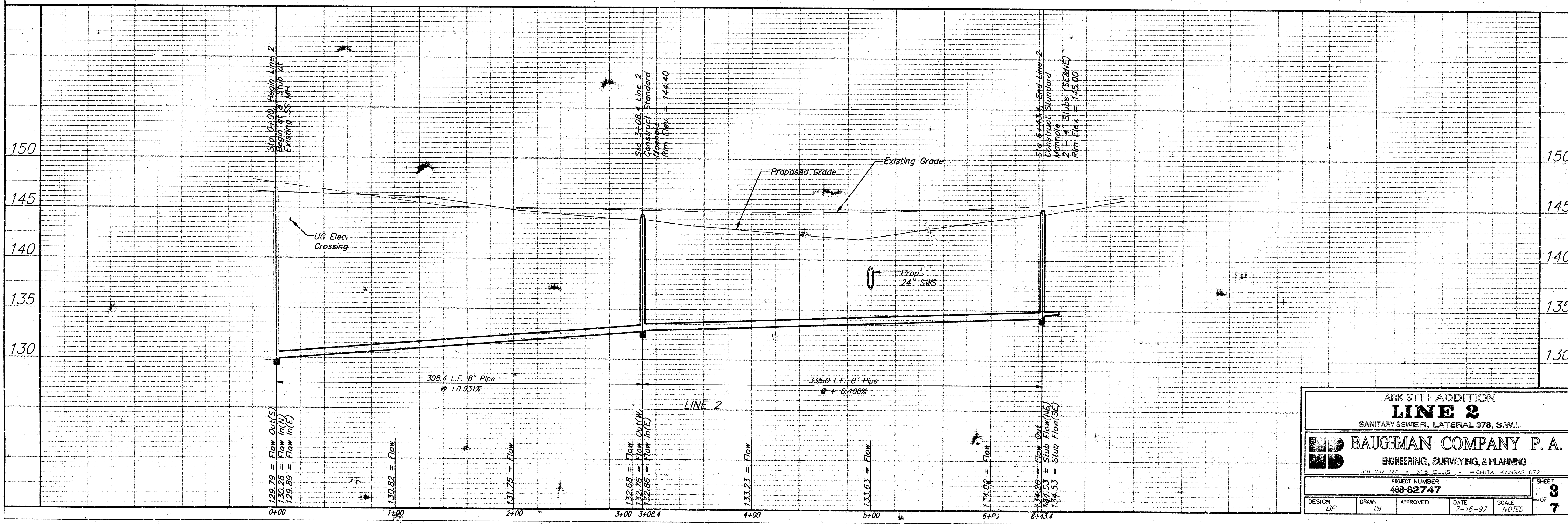


NOTE: Contractor to Verify Depth & Location of Existing Manhole Prior to Construction.

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION\ DIRECTION	APPROXIMATE LENGTH 4" PIPE	
0+38	3" 8" X 4" Tee Saddle	28	1	2	2+40.5/Rt.	12.5'	9.7'
0+43	4" 8" X 4" Tee Saddle	11	1	2	2+45.7/Lt.	12.5'	10.3'
1+63	5" 8" X 4" Tee Saddle	27	1	2	1+60.6/Rt.	10.5'	12.1'
6	6" 8" X 4" Tee Saddle	12	1	2	1+88.2/Lt.	9.5'	7.4'
2+34	7" 8" X 4" Tee Saddle	26	1	2	2+34.7/Rt.	9.0'	13.5'
2+63	8" 8" X 4" Tee Saddle	13	1	2	2+61.7/Lt.	8.5'	6.0'
3+03	9" 8" X 4" Tee Saddle	25	1	2	3+01.7/Rt.	8.0'	15.0'
10	8" X 4" Tee Saddle	14	1	2	3+28.6/Lt.	8.0'	5.0'
3+81	11" 8" X 4" Tee Saddle	24	1	2	3+80.1/Rt.	7.5'	15.0'
3+99	12" 8" X 4" Tee Saddle	15	1	2	3+96.7/Lt.	7.5'	5.0'

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



LARK 5TH ADDITION
LINE 2
 SANITARY SEWER, LATERAL 378, S.W.1.
BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-252-7271 • 315 E. W.S. • WICHITA, KANSAS 67211
 PROJECT NUMBER: **468-82747**
 SHEET: **3** OF **7**
 DESIGN: BP DRAWN: DP APPROVED: DATE: 7-16-97 SCALE: NOTED

BENCHMARKS:
 BM #1 City of Wichita Bench Mark Disc. N.
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 Elev. = 139.20 (City Datum)
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 12.5' South of the North Line
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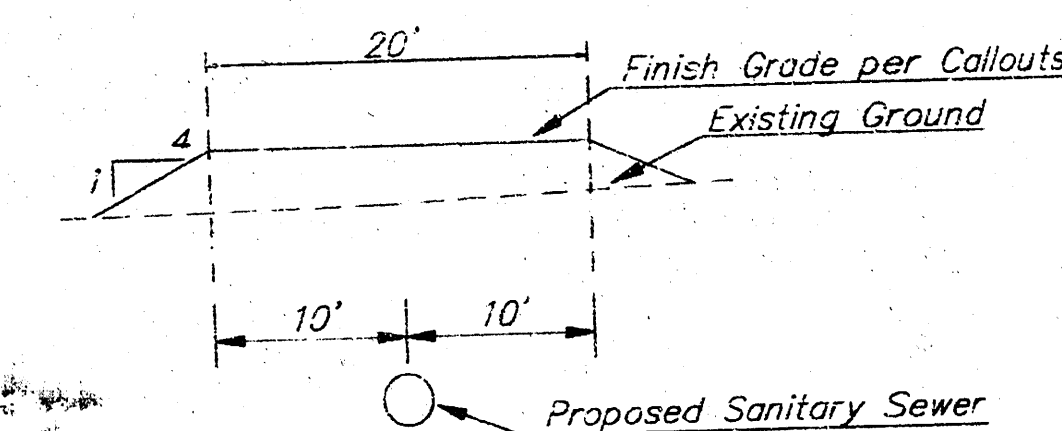
KELLOGG (US-54)

Scale: 1" = 60'
 • = Iron

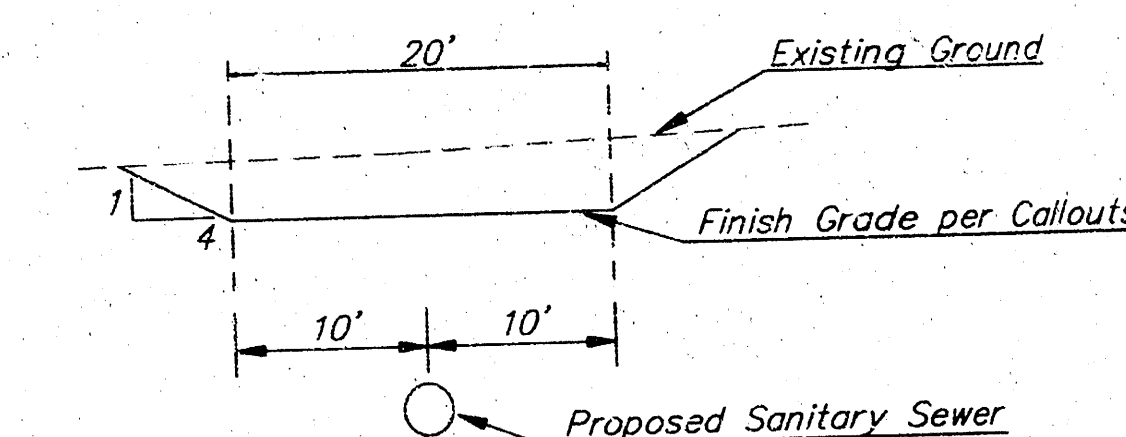
NOTE: The approximate quantity of easement grading is 410 yd.

The contractor shall grade the easements as shown to the elevations given on the easement grading plan. All costs for grading shall be incidental to the Easement Grading Bid Item.

The contractor shall 'straight' grade the easements between the elevations given. Where a callout designates 'Match', the contractor will grade to the existing ground elevation.

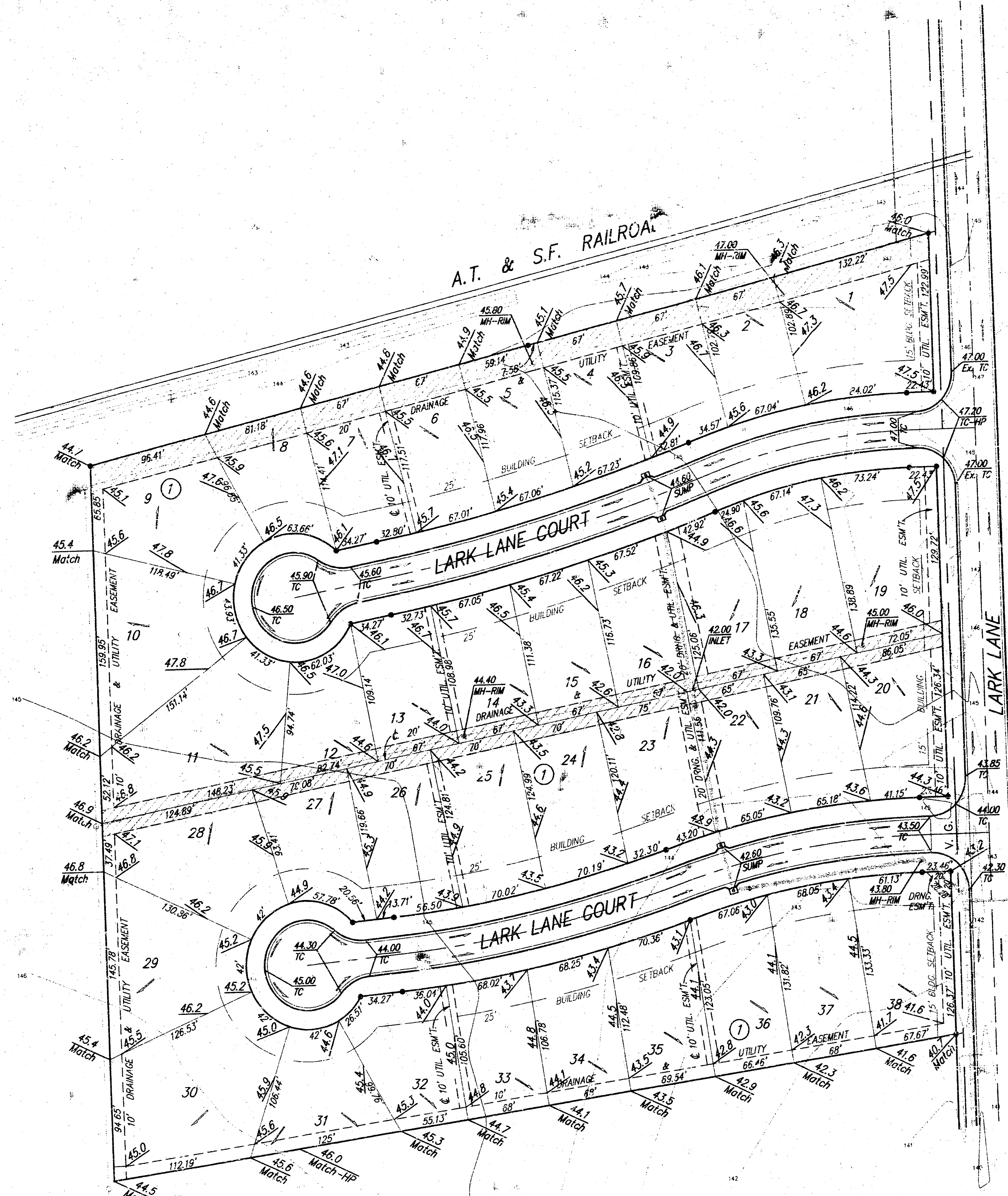


TYPICAL FILL SECTION



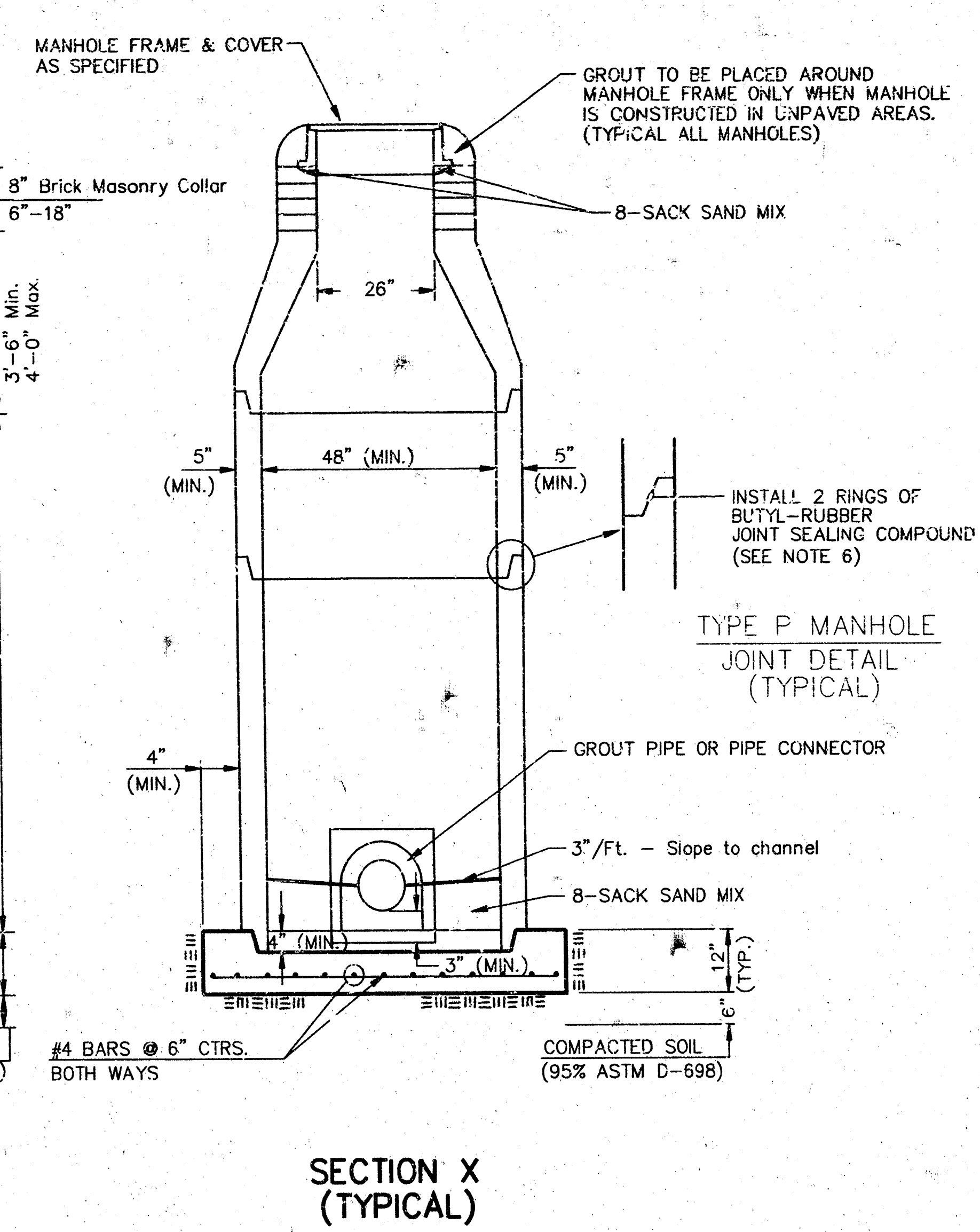
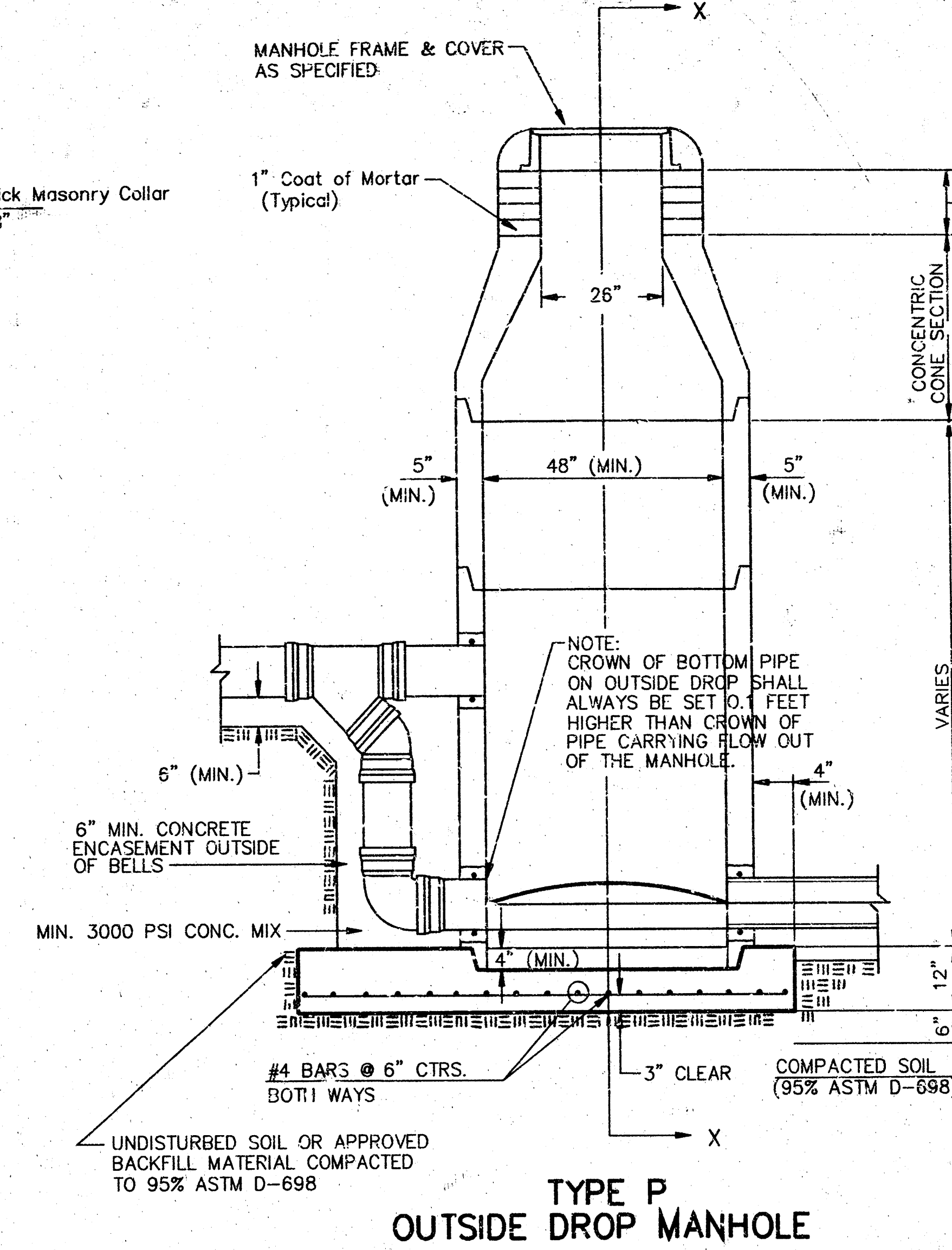
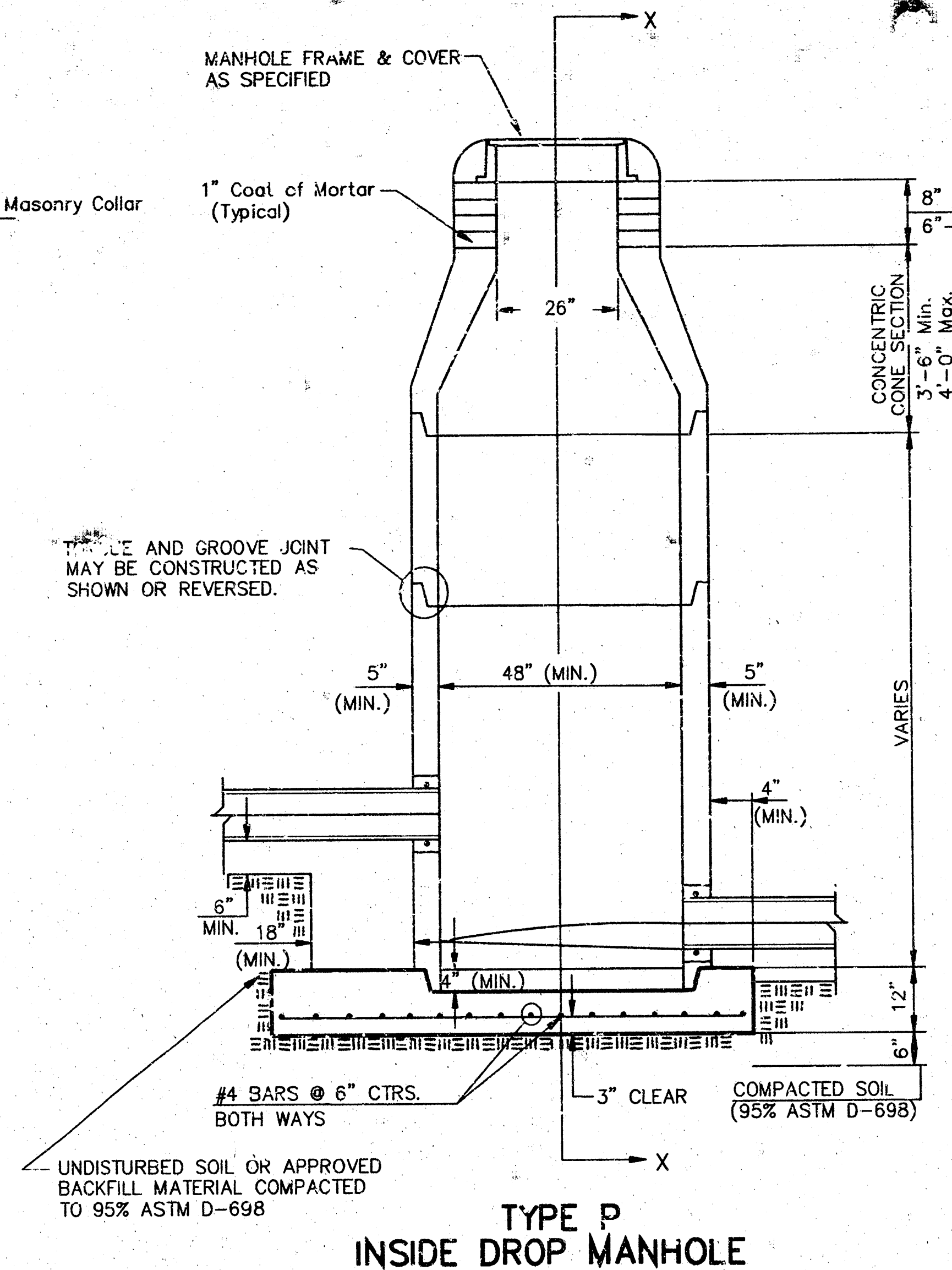
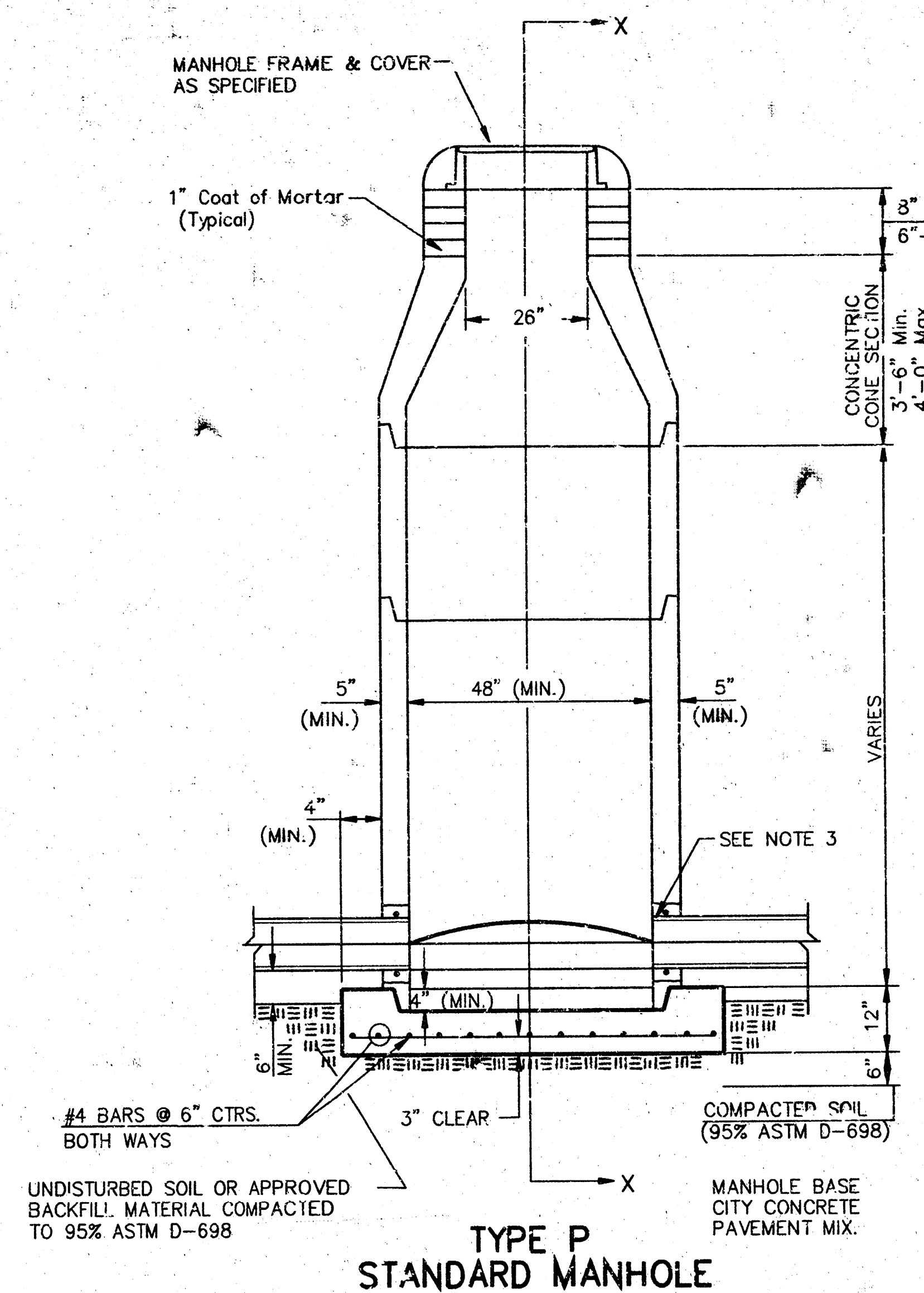
TYPICAL CUT SECTION

 EASEMENT GRADING



LARK 5TH ADDITION			
ESMT. GRADING PLAN			
SANITARY SEWER, LATERAL 378, S.W.1.			
 BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
318-242-1221 • 318 ELLS • WICHITA, KANSAS 67211			
PROJECT NUMBER 468-82747			
DESIGN BP	DRAWN EMG	APPROVED	DATE 7-16-97
		SCALE NOTED	SHEET 3

SEWER APPURTENANCES DETAILS

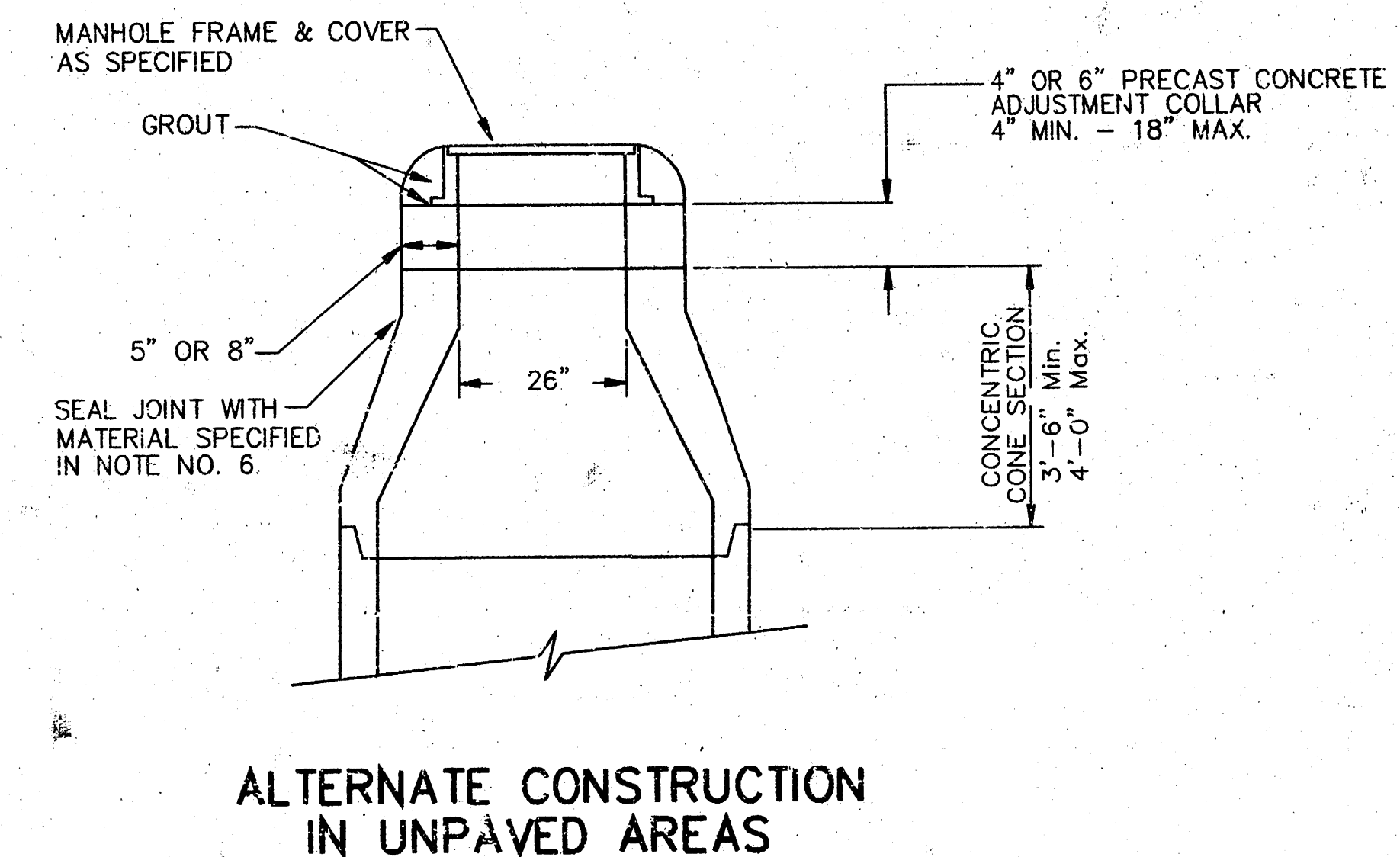


GENERAL NOTES

- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
- NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
- APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE USED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A V.C. 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.
- ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TNEC SERIES 66 HI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.)
- EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINOUS COATING.
- JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
- 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.
- LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
- 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 SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RINGS 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.

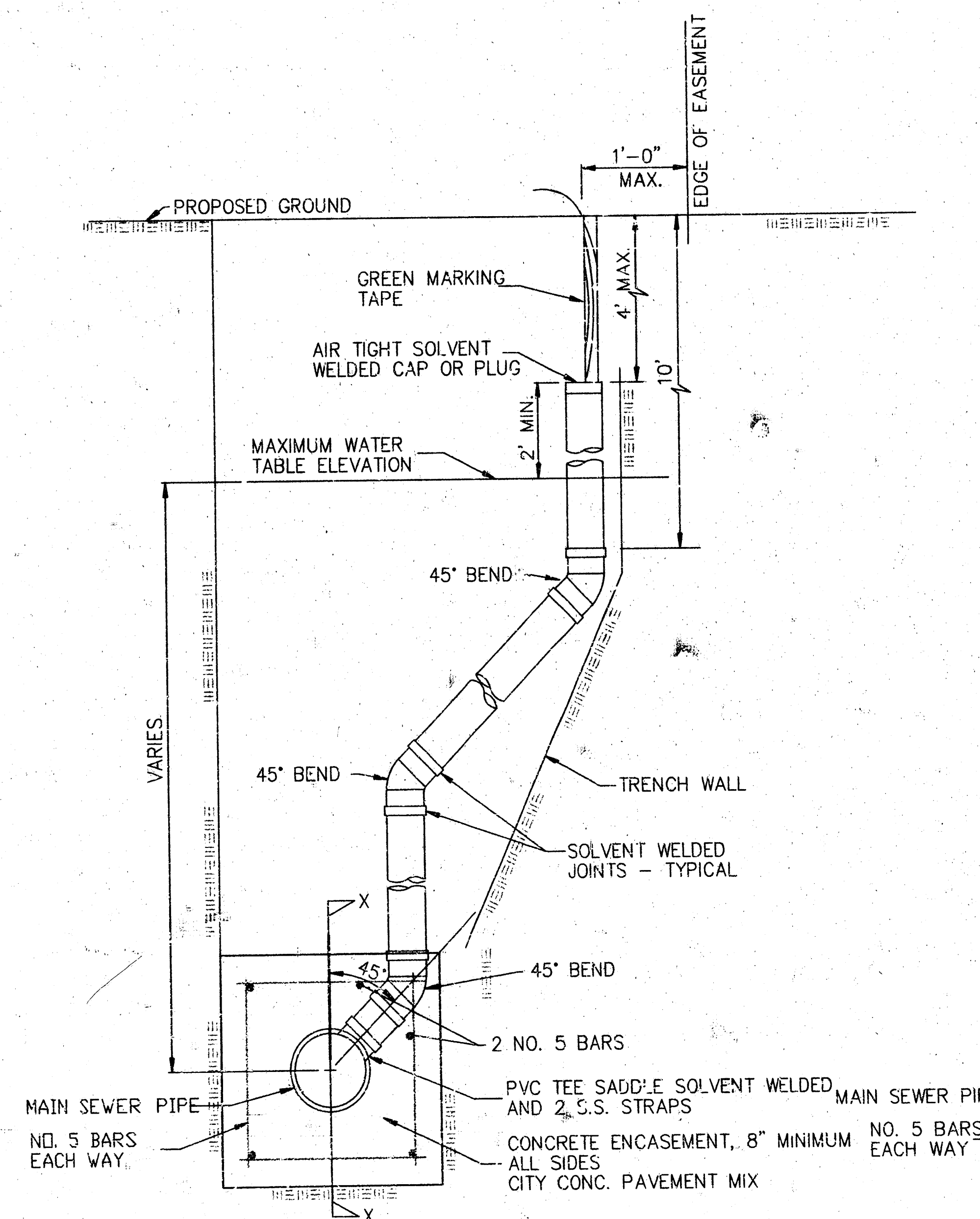
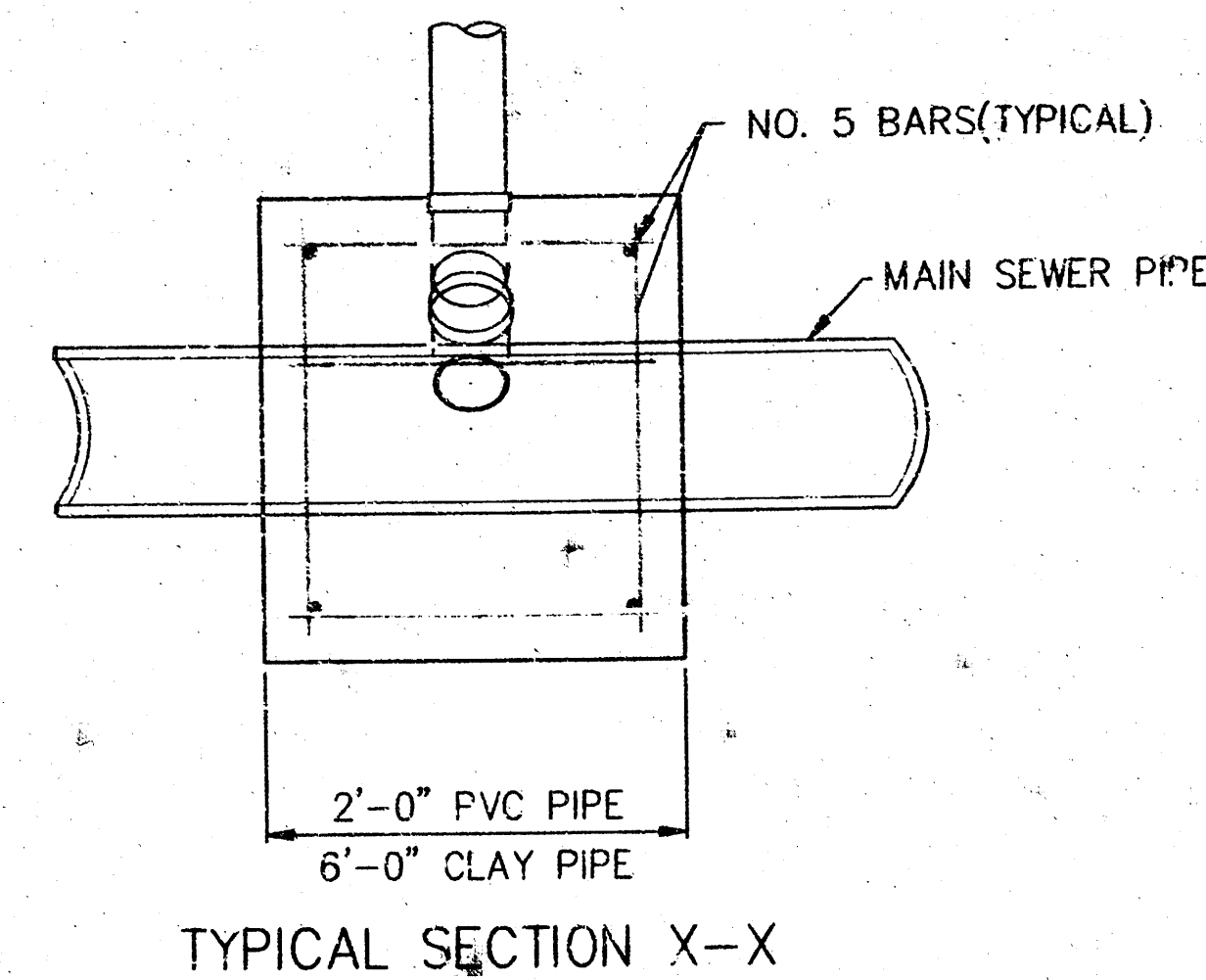
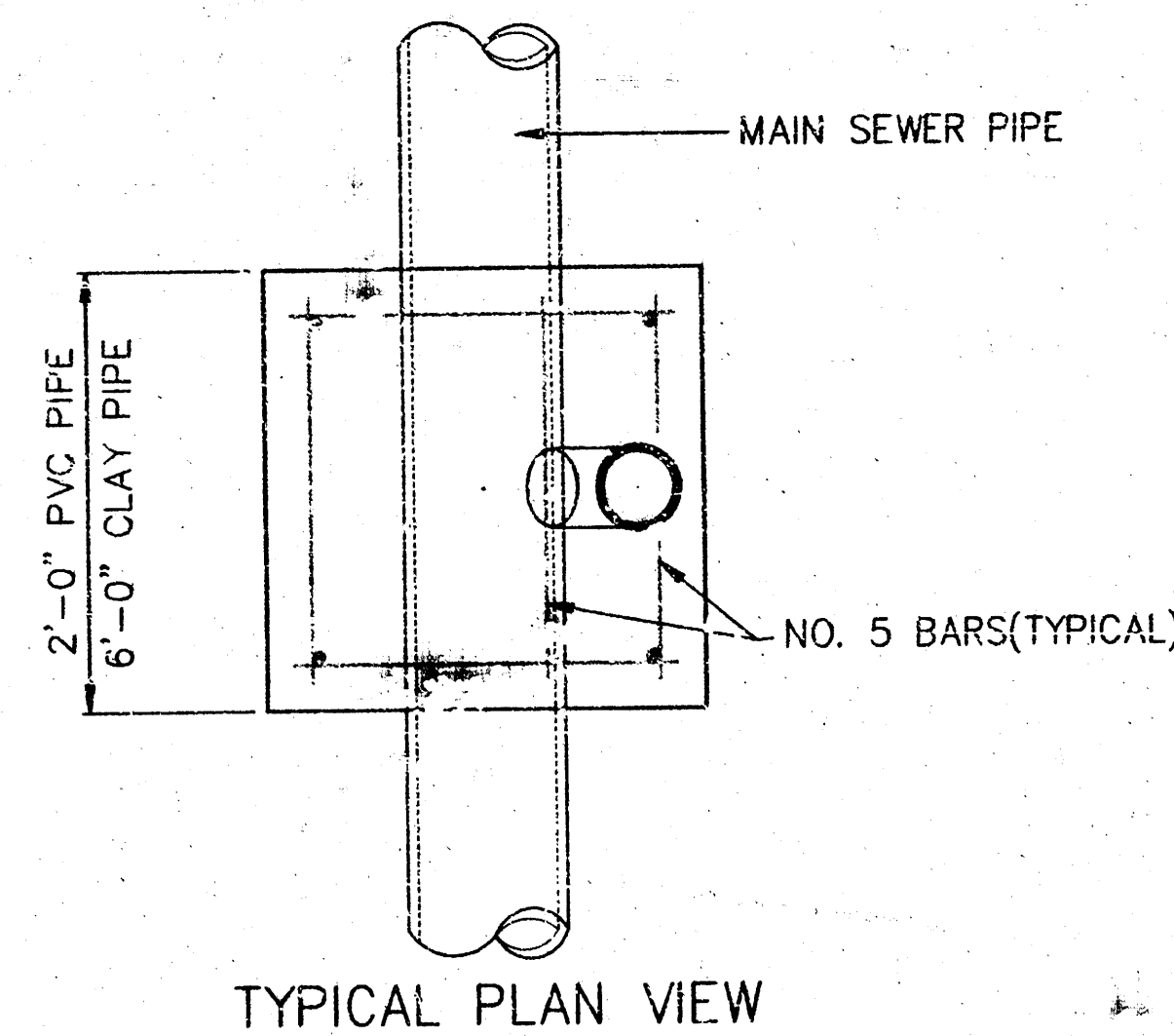
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- 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 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.
- 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.
- 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 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.

- 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.
- 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.
- 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.
- 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.

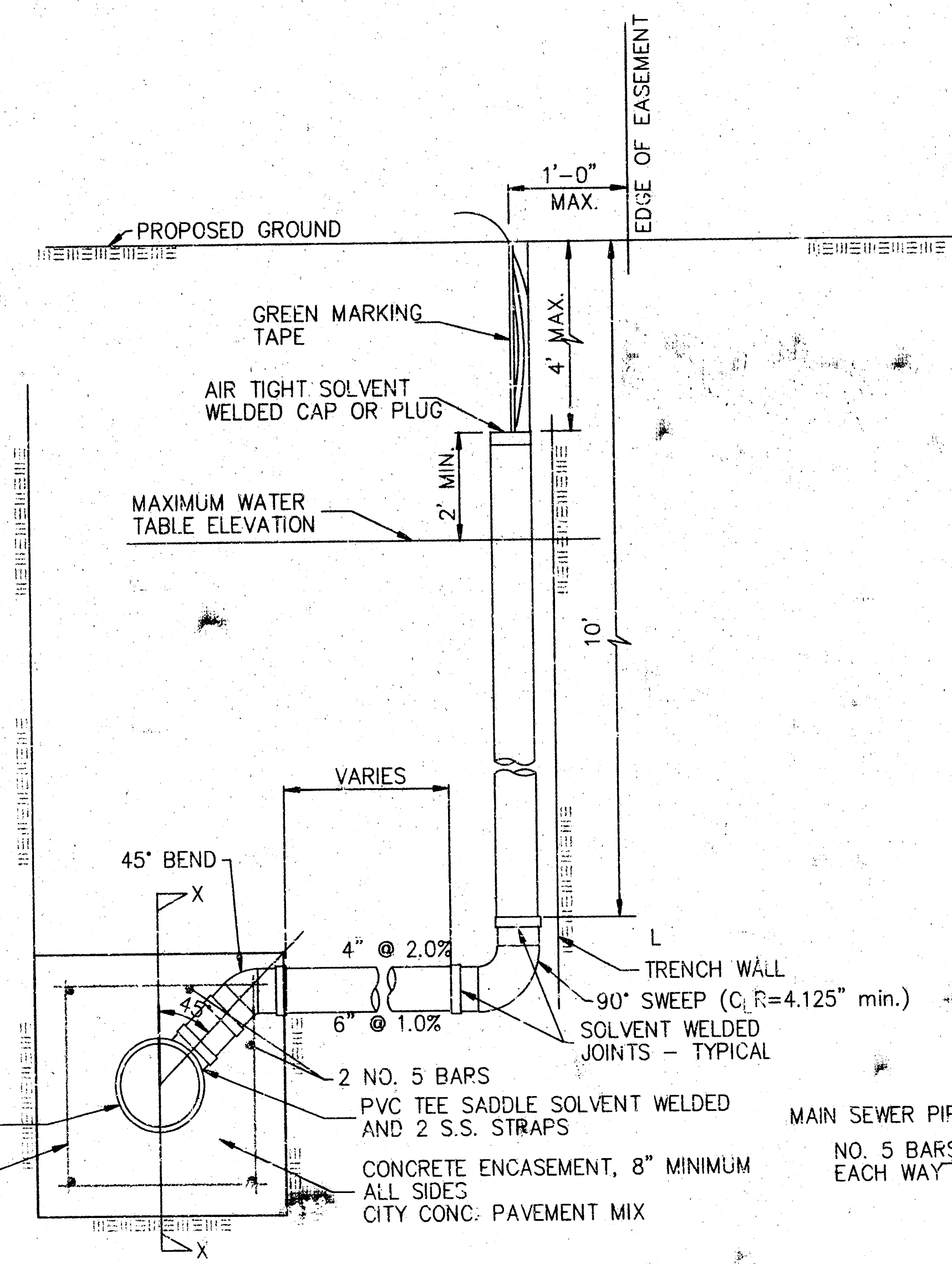


CITY OF WICHITA			
STD. MANHOLE DETAILS			
& SEWER APPURTENANCES			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • WICHITA, KANSAS 67211			
PROJECT NUMBER		SHEET	
DESIGN		5	
DRAWN		7	
C.O.W.		Staff	
APPROVED		DATE	
7-97		SCALE	
NONE			

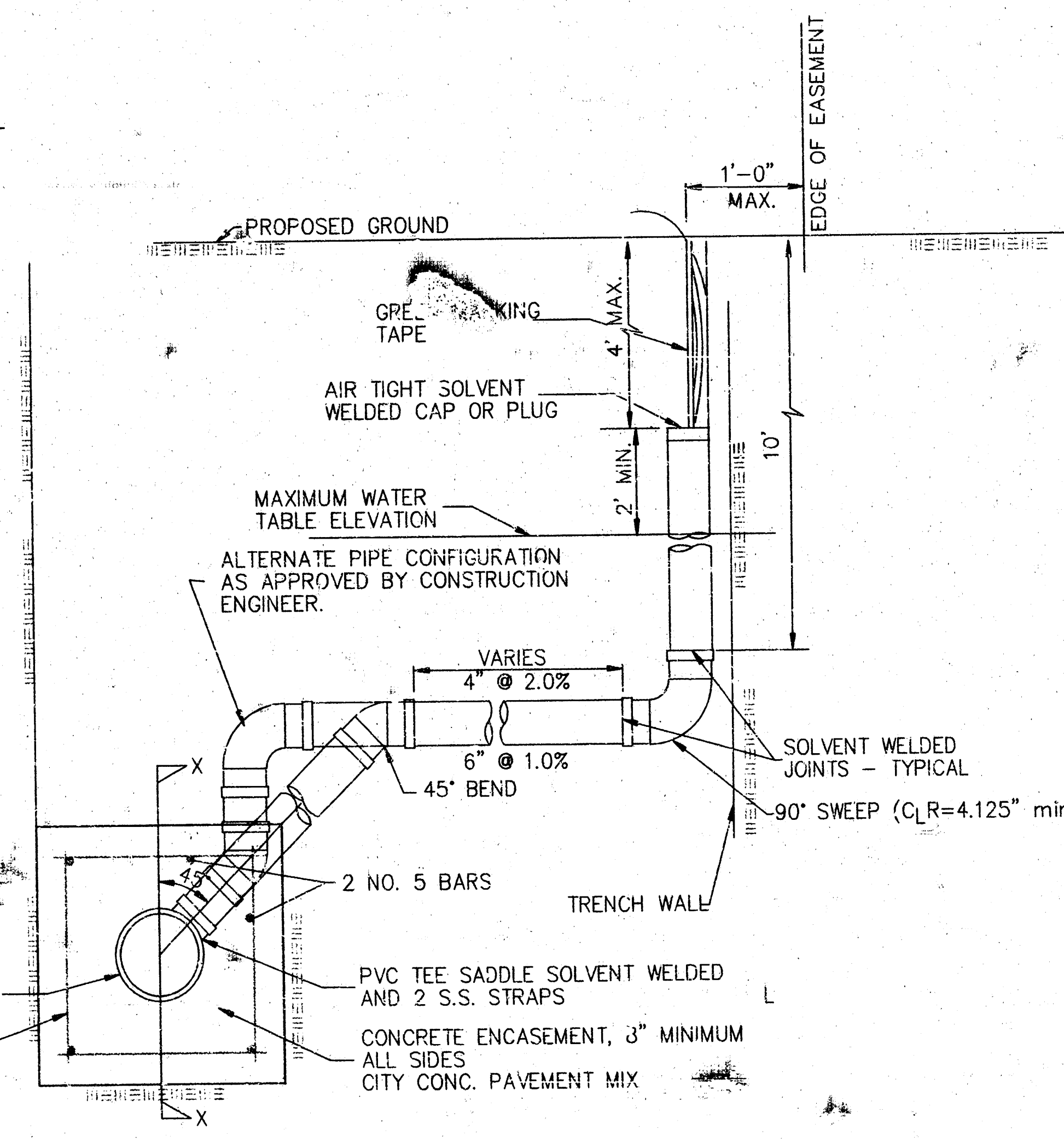
VERTICAL RISER DETAILS ADOPTED AS STANDARD DESIGN BY CITY OF WICHITA, KANSAS OCTOBER 1992



METHOD "A"



METHOD "B"



METHOD "C"

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

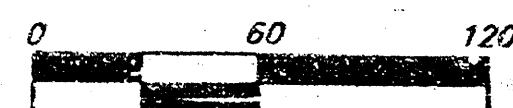
GENERAL NOTES

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 SDR 35 PVC Pipe or 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 ENCASUREMENT. 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					
ED BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
C.O.W.	Staff		7-97	NONE	6 OF 7

LARK 5TH ADDITION

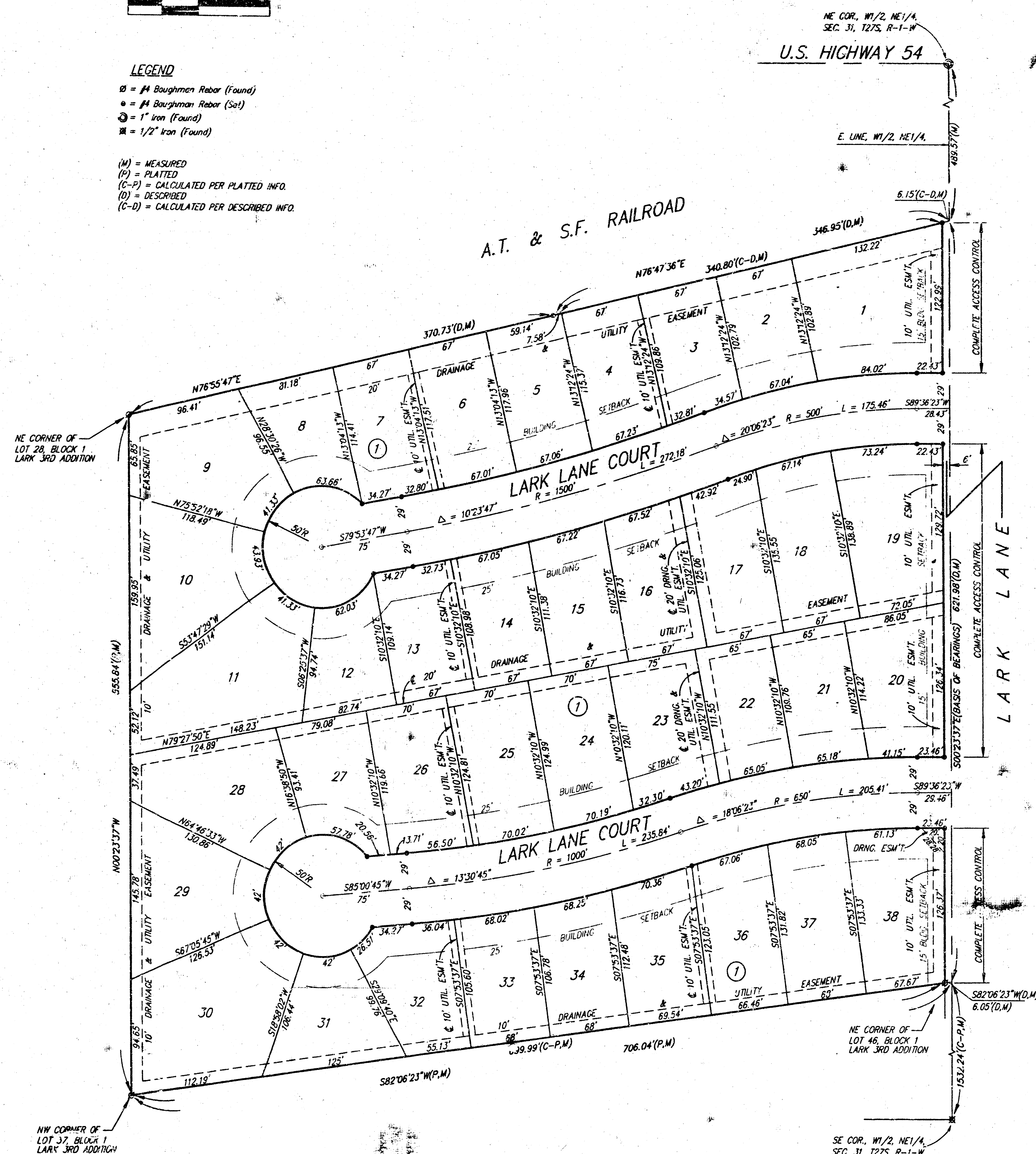
WICHITA, SEDGWICK COUNTY, KANSAS



LEGEND

- = #4 Baughman Rebar (Found)
- = #4 Baughman Rebar (Set)
- = 1" Iron (Found)
- = 1/2" Iron (Found)

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



State of Kansas) SS We, Baughman Company, P.A., Surveyors in
Sedgwick County) do hereby certify that we have surveyed
aforesaid County and State do hereby certify that we have surveyed
and platted "LARK 5TH ADDITION", Wichita, Sedgwick County, Kansas and
that the accompanying plot is a true and correct exhibit of the
property surveyed, described as follows:

A tract in the W1/2 of the NE1/4 of Sec. 31, Twp. 27-S, R-1-W of
the 6th P.M., Wichita, Sedgwick County, Kansas, further described as
follows: Beginning at the NE Corner of Lot 46, Block 1, Lark 3rd
Addition, Wichita, Sedgwick County, Kansas; thence S82°05'23"W along
the north line of said Block 1, 699.99 feet to the NW Corner of Lot 37
in said Block 1; thence N00°23'37"W along the east line of said Block 1,
555.84 feet to the NE Corner of Lot 28 in said Block 1, said NE Corner
being on the Southeastly right-of-way line of the Atchison, Topeka, and
Santa Fe Railroad; thence N76°55'47"E along said Southeastly railroad
right-of-way line, 370.73 feet to a deflection point in said Southeastly
railroad right-of-way line; thence N76°47'36"E along said Southeastly
railroad right-of-way line, 346.95 feet to a point on the east line of said
W1/2 of said NE1/4; thence S00°23'37"E along the east line of said
W1/2, 621.98 feet to the intersection of the east line of said W1/2 with the
north line of said Lot 46 as extended Northeastly; thence S82°05'23"W
along said extended north line, 6.05 feet to the point of beginning.

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

Baughman Company, P.A.

Michael G. Conroy, Surveyor
Michael G. Conroy

Know all men by these presents that we, the undersigned have
caused the land described in the surveyors certificate to be platted
into Lots, a Block, and Streets to be known as "LARK 5TH 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 main-
tenance 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
Lark Lane over and across the east line of Lots 1, 19, 20, and 38,
Block 1, are hereby granted to the City of Wichita, Kansas.

Kick'N Development Corporation

Paul E. Kelsey, President
Paul E. Kelsey

State of Kansas) SS The foregoing instrument acknowledged before
Sedgwick County) me this 12th day of MAY, 1997, by Paul E. Kelsey, President
of Kick'N Development Corporation, on behalf of the corporation.

My App't Exp. 5/3/01 Notary Public

PHILIP J. MEYER
NOTARY PUBLIC
STATE OF KANSAS

We, the undersigned, holders of a mortgage
on the above described property, do hereby consent to this plat of
"LARK 5TH ADDITION", Wichita, Sedgwick County, Kansas.

State Bank of Colwich

State of Kansas) SS The foregoing instrument acknowledged be-
Sedgwick County) fore me, this 12th day of MAY, 1997, by
JAMES D. ASHCROFT, SVP of the State Bank of Colwich, on
behalf of the bank.

My App't Exp. 5/3/01 Notary Public

PHILIP J. MEYER
NOTARY PUBLIC
STATE OF KANSAS

This plat of "LARK 5TH ADDITION", Wichita,
Sedgwick County, Kansas, has been submitted to and approved by the
Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita,
Kansas.

Dated this 12th day of MAY, 1997,
Wichita-Sedgwick County Metropolitan Area Planning Commission.

Chairman
John C. Frye

Secretary
Marvin S. Krout

This plat approved and all dedications
shown hereon accepted by the City Council of the City of Wichita,
Kansas, this 12th day of MAY, 1997.

Mayor
Bob Knight

City Clerk
Pat Burnett

Entered on transfer record this 12th day
of MAY, 1997.

County Clerk
James Alford

State of Kansas) SS This is to certify that this plat has been
Sedgwick County) filed for record in the office of the Register of Deeds, this 12th day
of MAY, 1997, at 10:00 A.M. and is duly
recorded.

Register of Deeds
Larry Consalver

Deputy
Michael D. Hurtt

14-00-01-08