

LATERAL 119 WESTLINK SEWER SANITARY SEWER IMPROVEMENTS TO SERVE STERLING FARMS 6TH ADDITION

General Notes

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

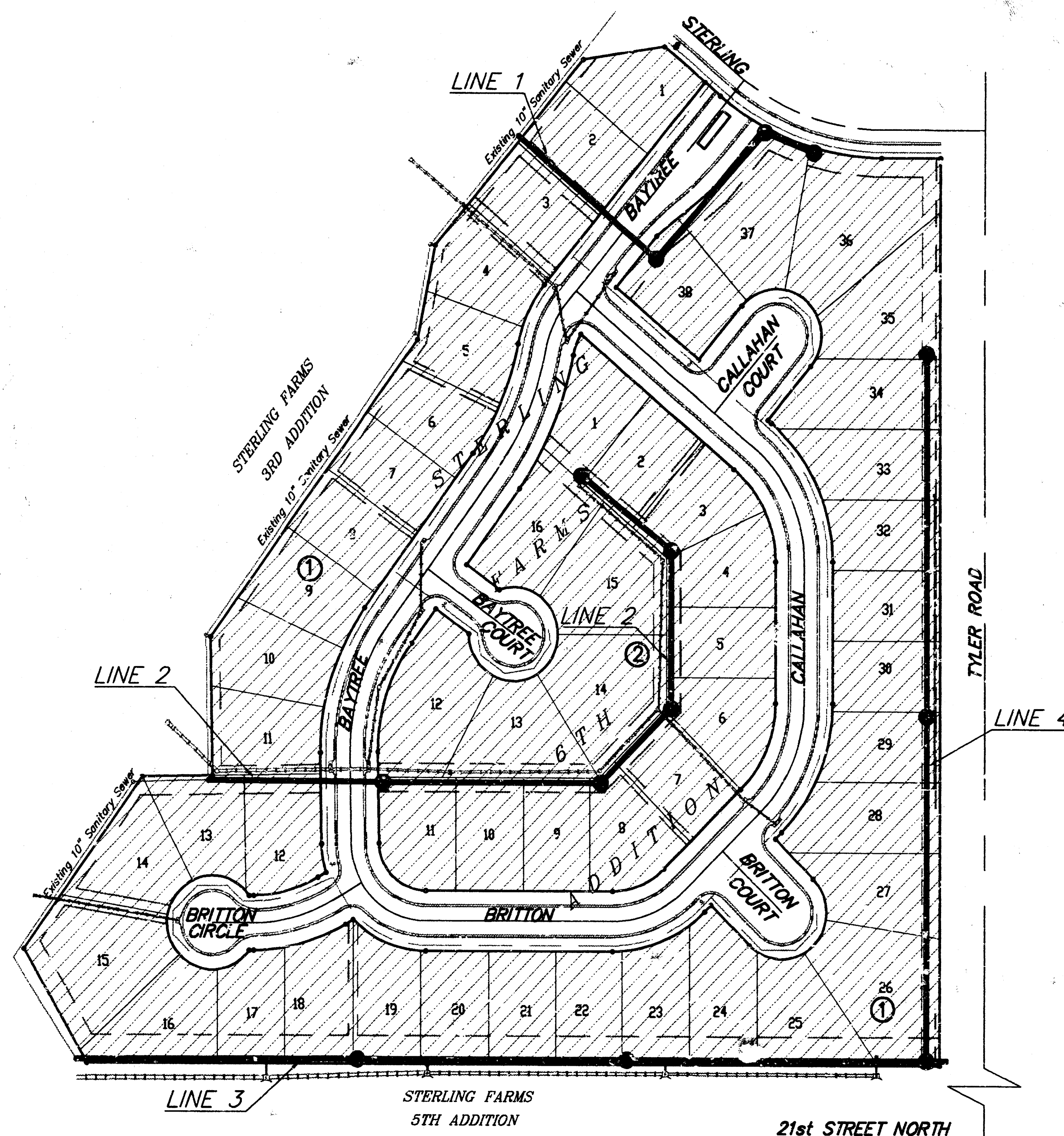
The Contractor must notify the following in case of an emergency:

Cablevision	262-4270
or	263-2061
K.G.E. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8600
Peoples Natural Gas Company	942-7600
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071

2. Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
3. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
4. 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.
5. Easement and final grading earthwork will not be a part of this project but will be performed by the Storm Sewer Contractor. All trench backfilling and grading for this project shall be to the pre-construction grades.
6. 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.
7. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
8. All areas disturbed by construction operations shall be seeded with rye grass at a rate of 2 lbs. per 1000 sq. feet. Contractor to prepare ground to city specifications.

Project Number
468-76-245-82510-000-000-001
Index Code: **742486**

CITY OF WICHITA, KANSAS
Michael E. Lindebak City Engineer



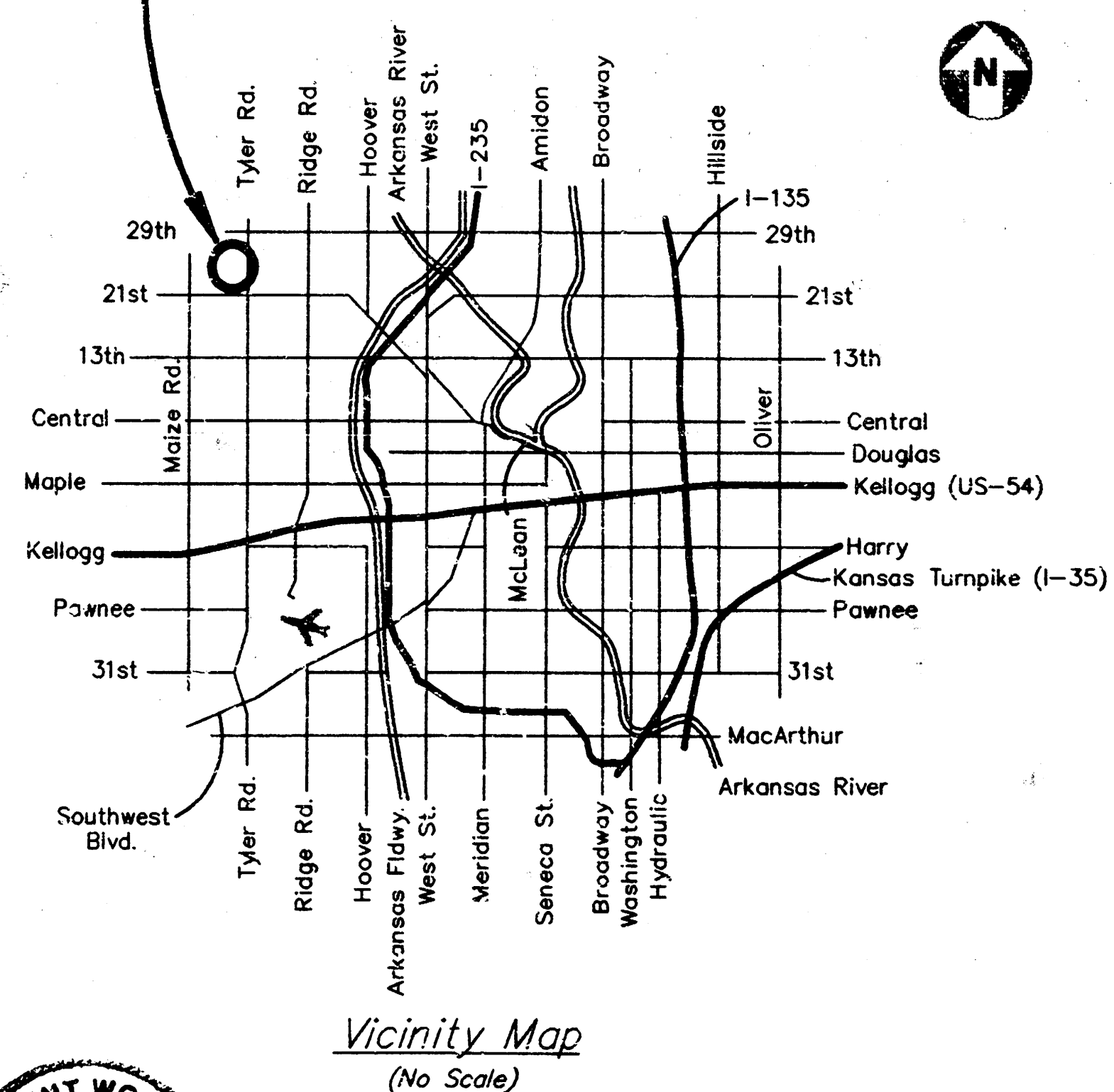
Benefit District

Scale: 1" = 100'

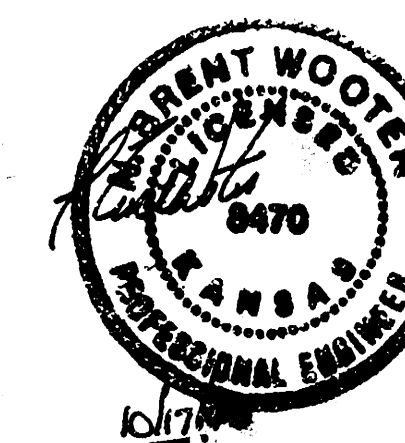
INDEX

1. Title Sheet
2. Vertical Riser Plan
3. Line 1
4. Line 2
5. Line 3
6. Line 4
7. Standard Manhole Detail
8. Manhole Frame and Cover Detail
9. Vertical Riser Detail
10. Copy of Sterling Farms 6th Addition Plat

SITE LOCATION



Vicinity Map
(No Scale)



BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 E. 11th • WICHITA, KANSAS 67211

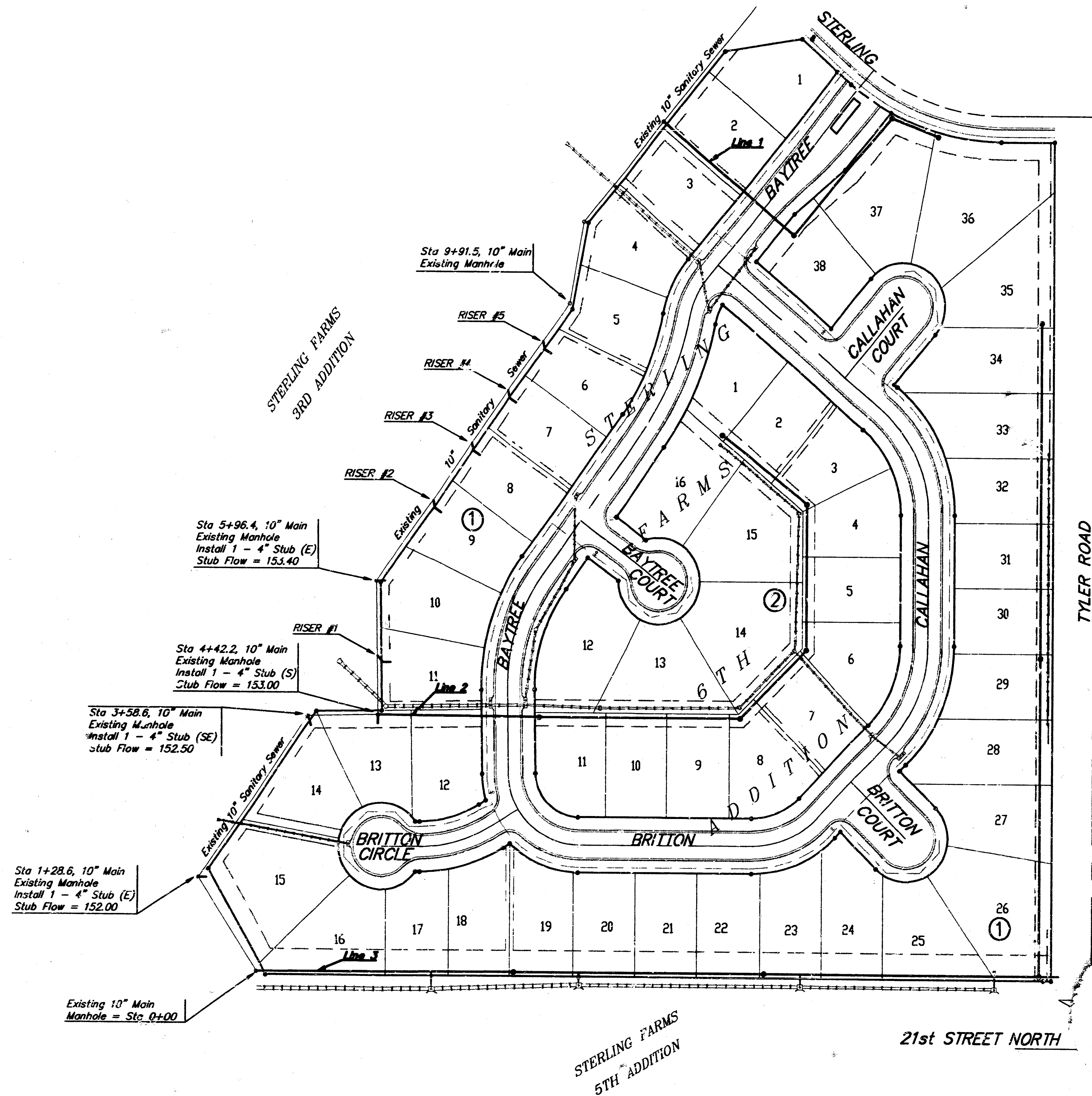
Benchmarks:

Standard City Disc Located 38' West and 90' South of the Intersection of the Centerlines of 21st Street North and Tyler Road.

Elevation = 169.95 City Datum

"C" Chiseled at the East end of the Median at the Intersection of Sterling and Tyler Road.

Elevation = 166.00 City Datum



SCALE:
1"=80'
• = Iron

RISER LOCATION TABLE

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER
1	Main	5+10.1	11	RIGHT	4.5
2	Main	7+11.4	9	RIGHT	4.5
3	Main	7+92.8	8	RIGHT	4.5
4	Main	8+67.8	7	RIGHT	4.5
5	Main	9+37.5	6	* RIGHT	4.5

NOTE
Provide Stub Installation:
existing manhole and install
pipe stub at elevation shown.
to manhole wall with
gasket & quickset
joint. Also see notes
on sheet #8 as applicable
installation.

STERLING FARMS 6TH ADDITION					
Vertical Riser					
Plan for Existing 10" Main					
BAUGHMAN COMPANY P. A.					
ENGINEERING, SURVEYING, & PLANNING					
315-202-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
488-78-245-62510-000-000-001					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
NGW/DY	DY		10/95	Noted	2 OF 10

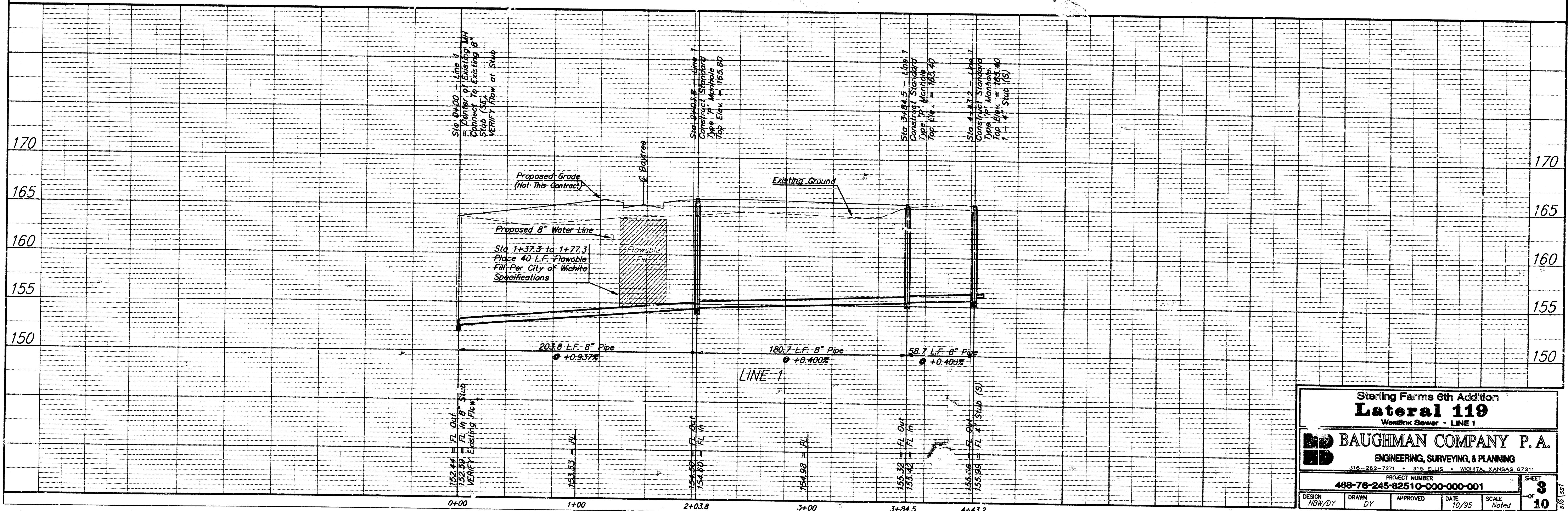
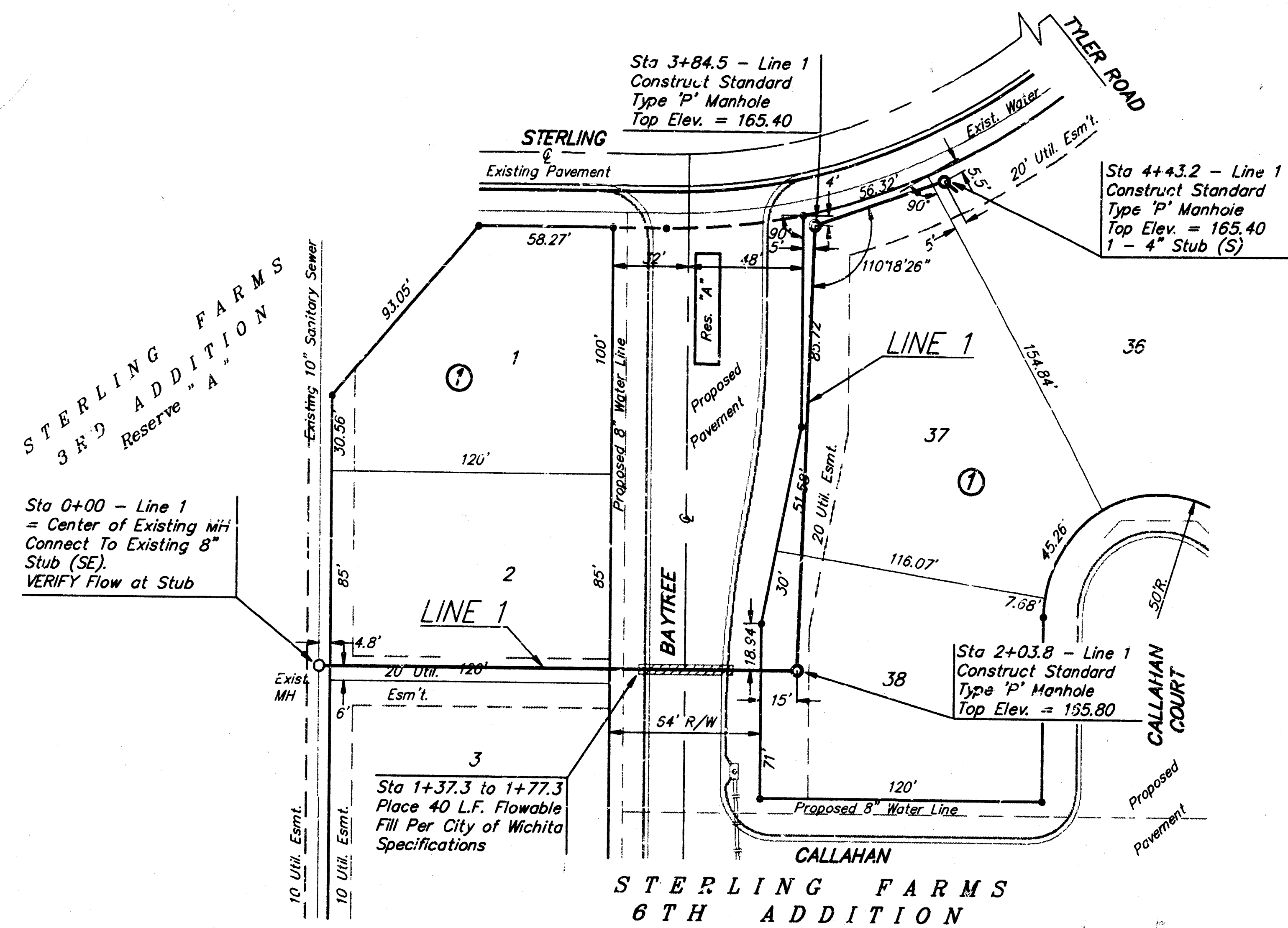
Benchmarks:

Standard City Disc Located 38' West and 90' South of the Intersection of the Centerlines of 21st Street North and Tyler Road.

Elevation = 169.95 City Datum

Chiseled at the East end of the Median at the Intersection of Sterling and Tyler Road.

Elevation = 168.00 City Datum



Sterling Farms 6th Addition					
Lateral 119					
Wastewater Sewer - LINE 1					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
488-78-245-62510-000-001					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
NEW/DY	DY		10/95	Noted	3
					OF 10

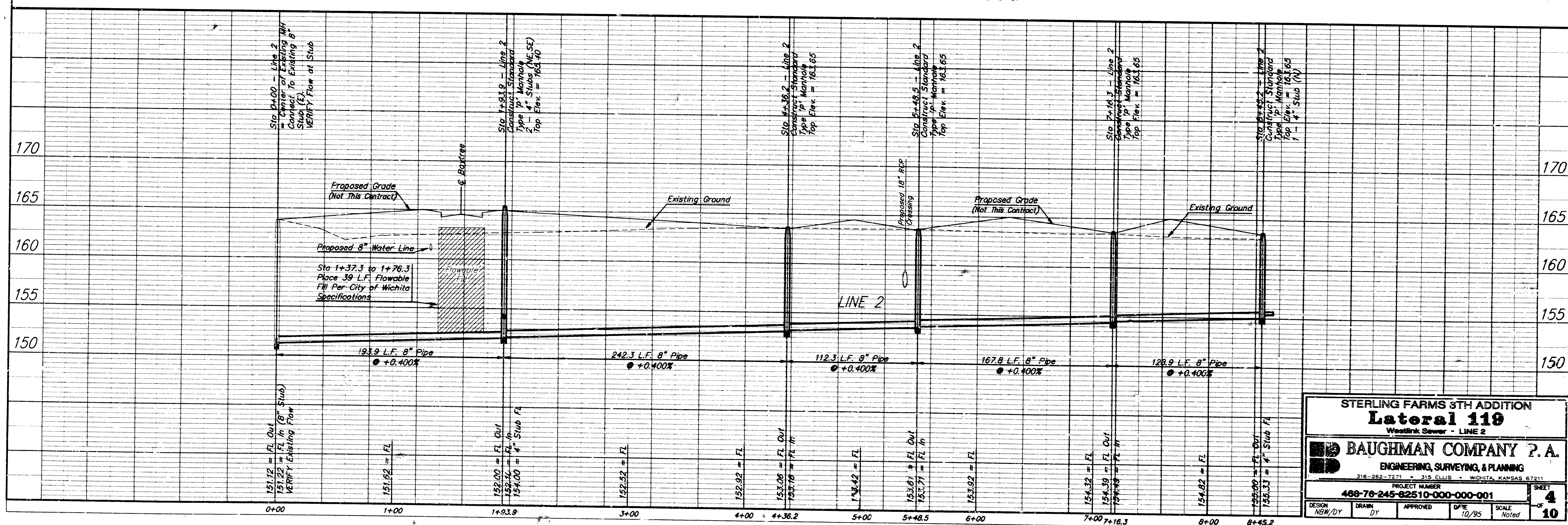
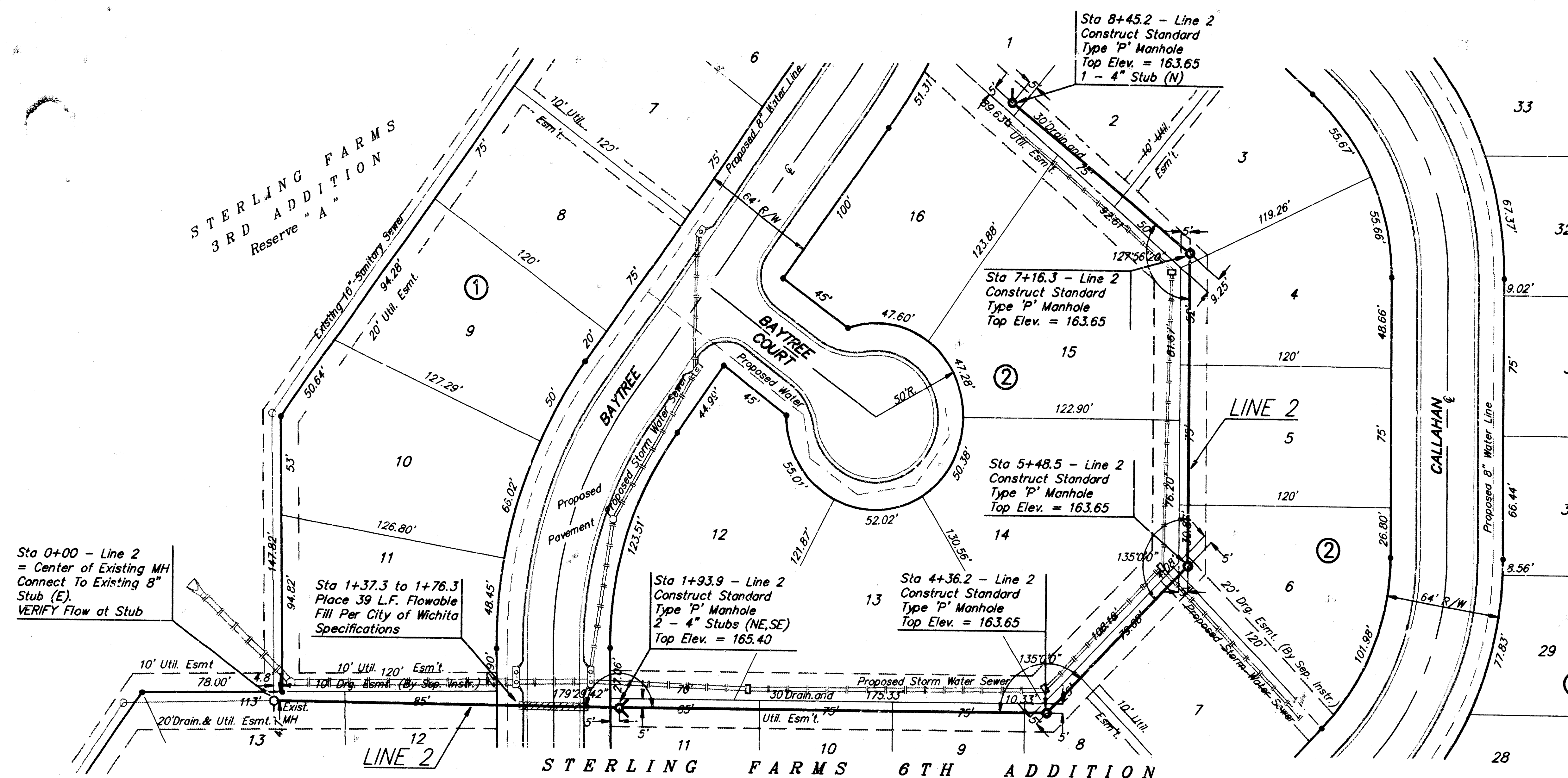
Benchmarks

Standard City Disc Located 38' West and 90' South of the Intersection of the Centerlines of 21st Street North and Tyler Road.

Elevation = 169.95 City Datum

Chisled at the East end of the Median at the Intersection of Sterling and Tyler Road

Elevation = 166.00 City Datum



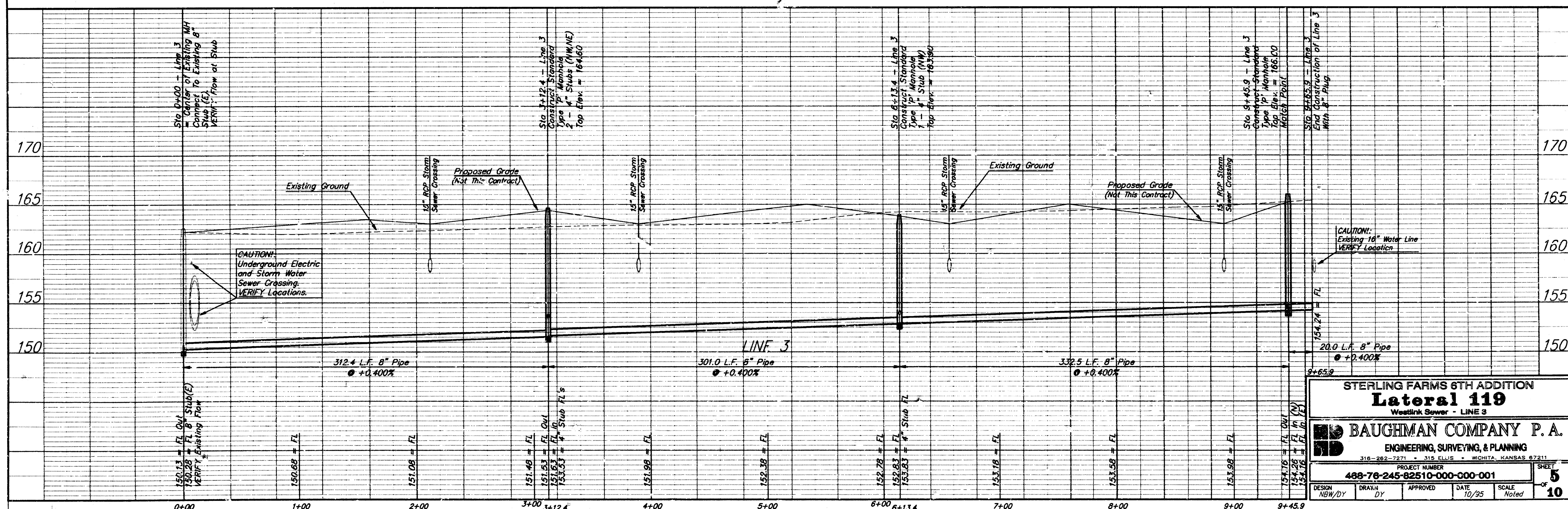
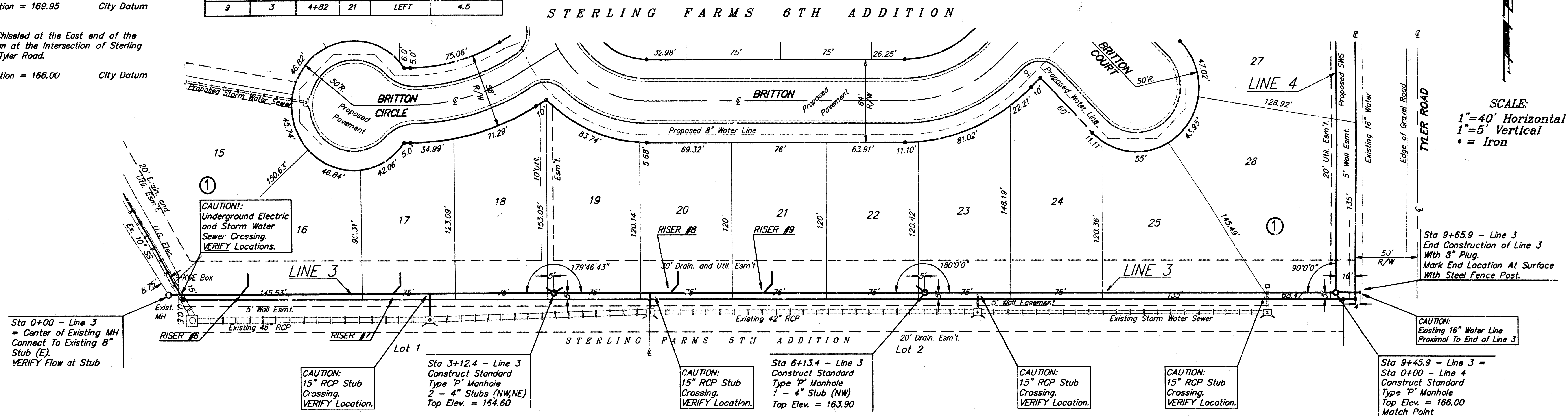
STERLING FARMS 6TH ADDITION			
Lateral 119			
Westlink Sewer - LINE 2			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
488-76-245-82510-000-001			
DESIGN	DRAWN	APPROVED	DATE
NGW/DY	DY		10/95
SCALE			NOTED
4			10

Standard City Disc Located 36' West and 90' South of the Intersection of the Centerlines of 21st Street North and Tyler Road.

Chiseled at the East end of the Median at the Intersection of Sterling and Tyler Road.

Elevation = 166.00 City Datum

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER
6	3	0+58	16	LEFT	4.5
7	3	1+82	17	LEFT	4.5
8	3	4+07	20	LEFT	4.5
9	3	4+82	21	LEFT	4.5



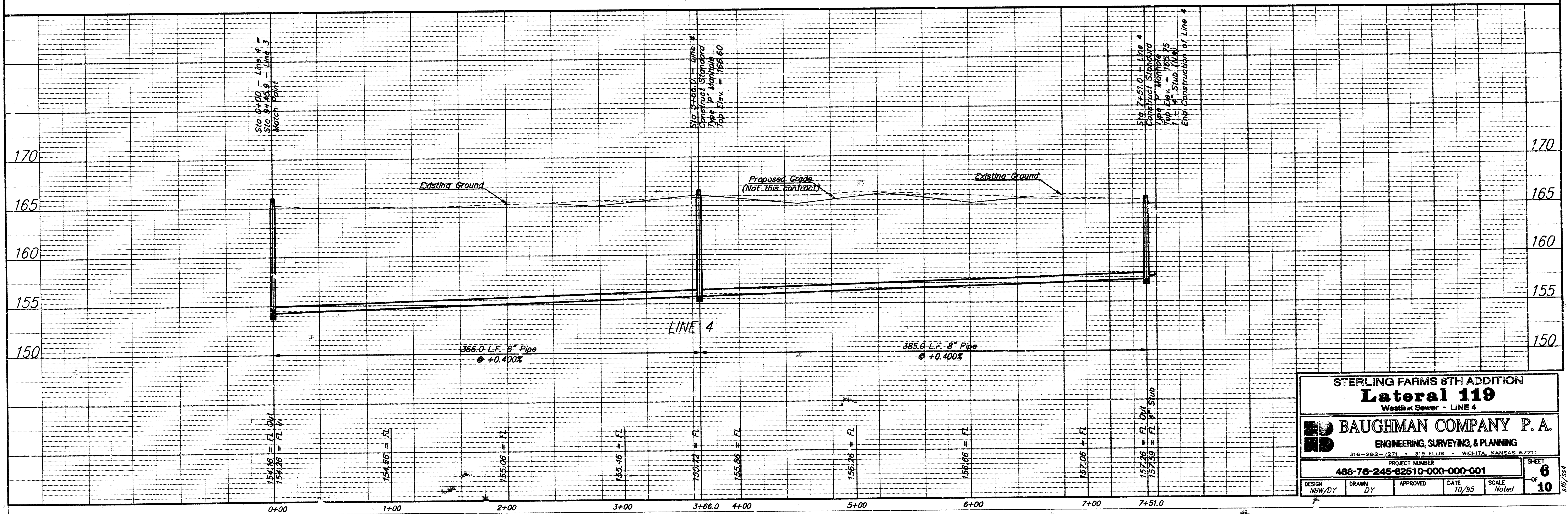
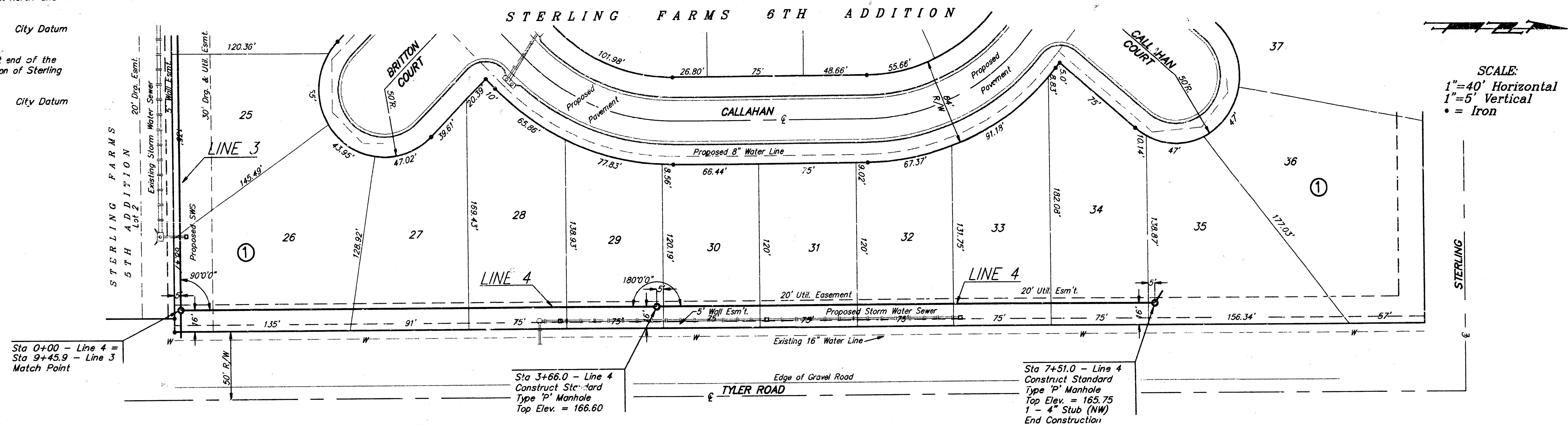
Benchmarks:

Standard City Disc Located 38' West and 90' South of the Intersection of the Centerlines of 21st Street North and Tyler Road.

Elevation = 169.95 City Datum

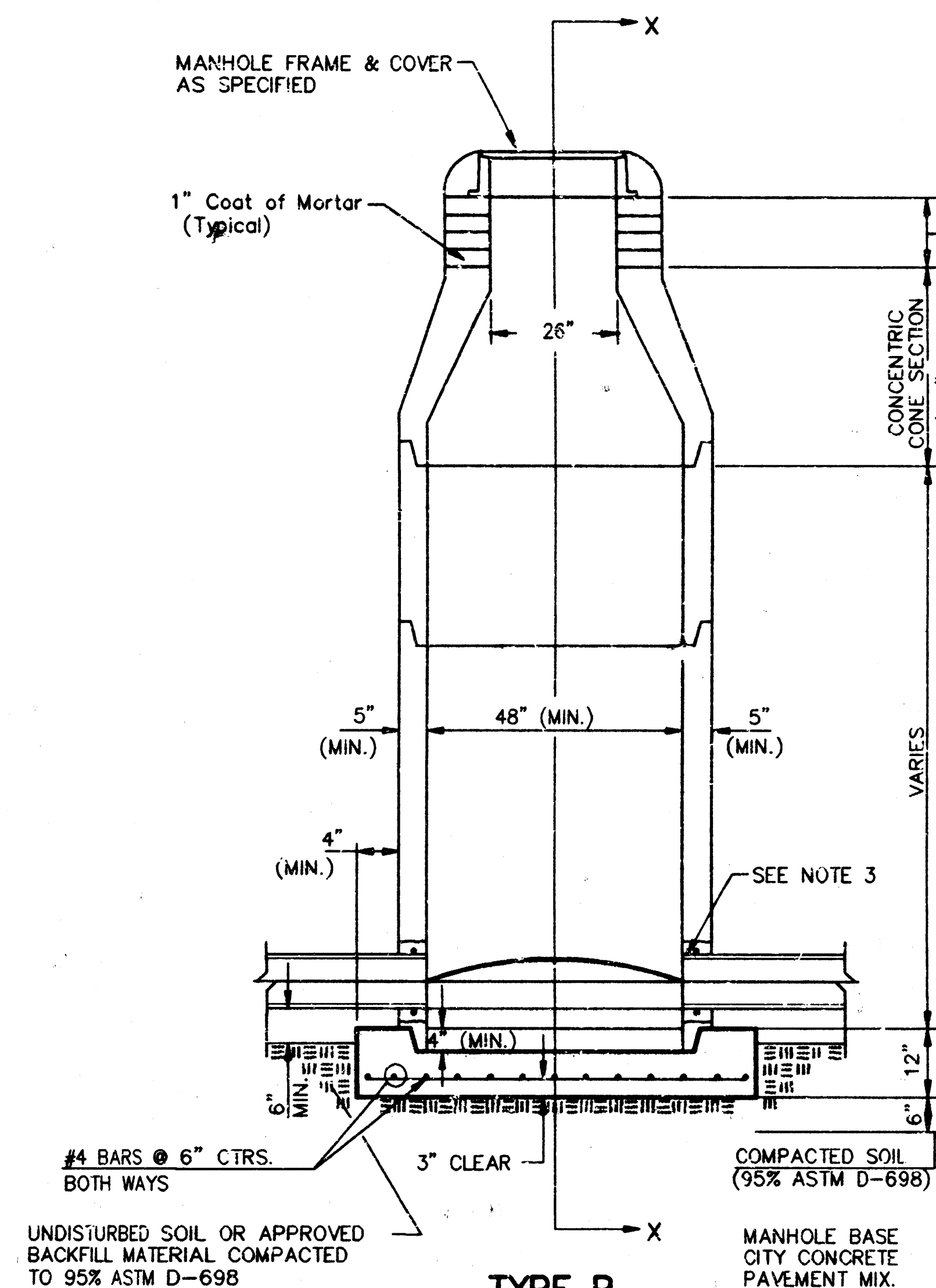
"C" Chiseled at the East end of the Median at the Intersection of Sterling and Tyler Road.

Elevation = 166.00 City Datum

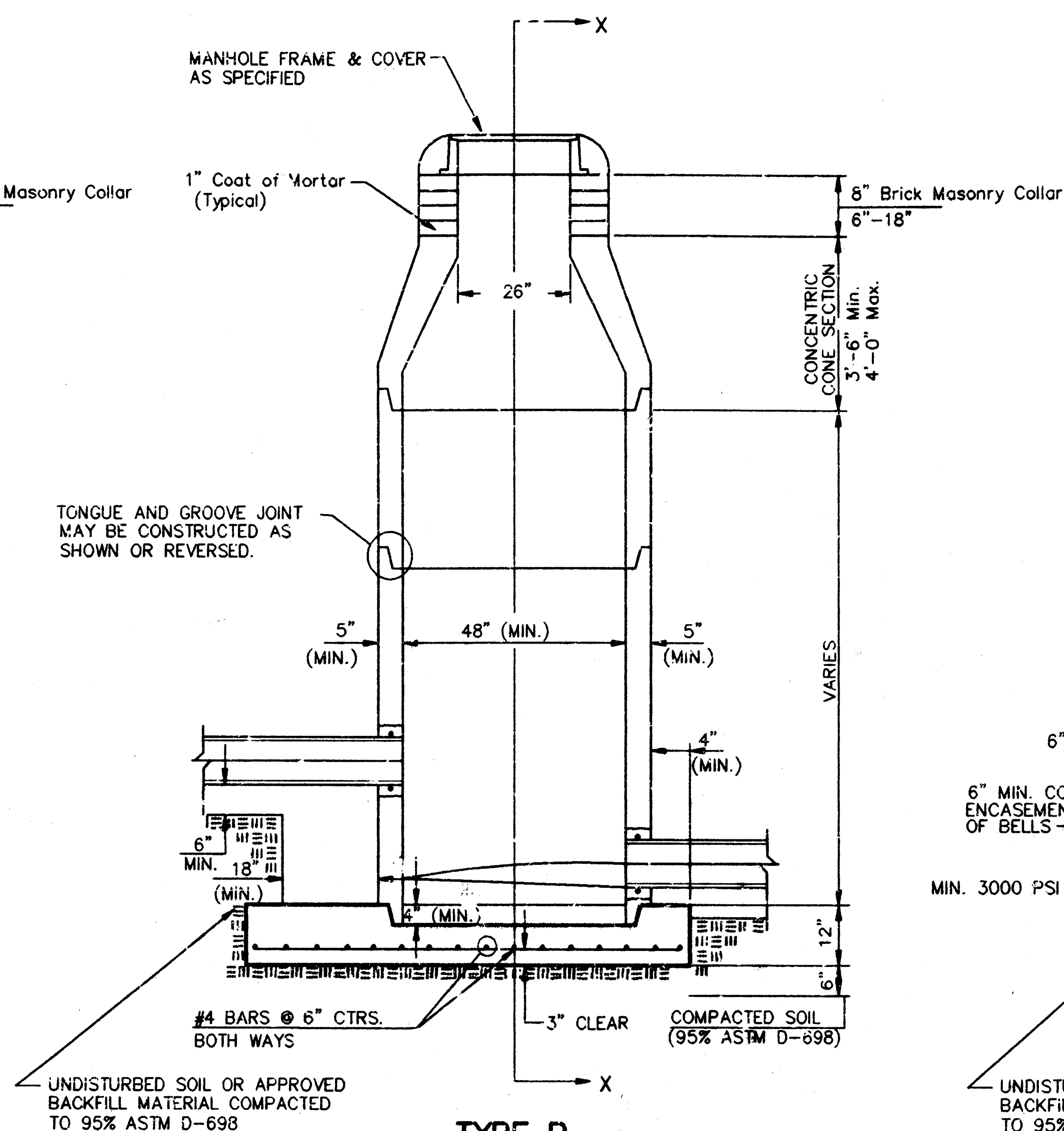


STERLING FARMS 6TH ADDITION			
Lateral 119			
Wastewater Sewer - LINE 4			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
318-282-1271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
488-78-245-82510-000-001			
DESIGN	DRAWN	APPROVED	DATE
NDW/DY	DY		10/95
SCALE			NOTED
1"=40' Horizontal			1"=5' Vertical
• = Iron			
SHEET			6
OF			10

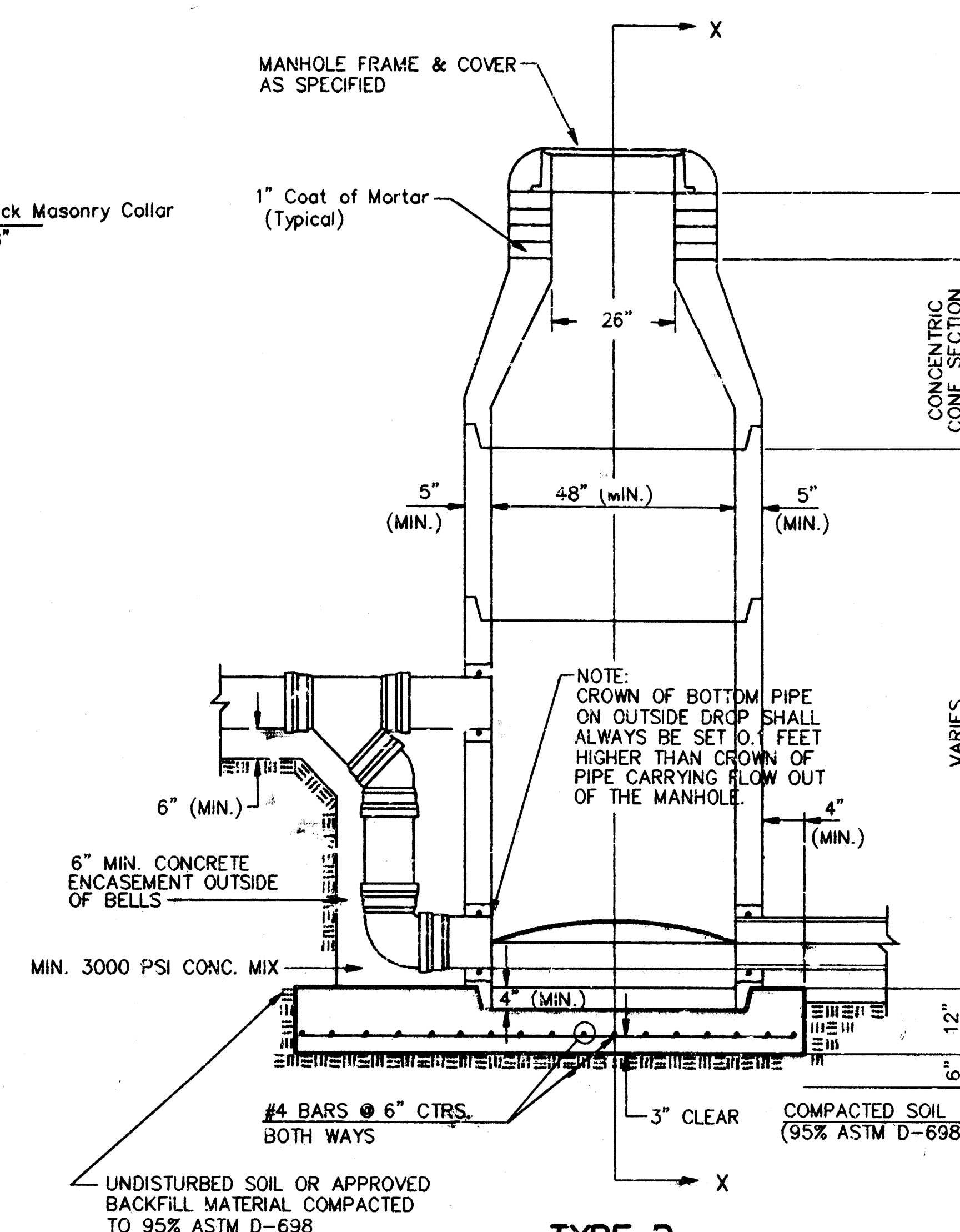
SEWER APPURTENANCES DETAILS



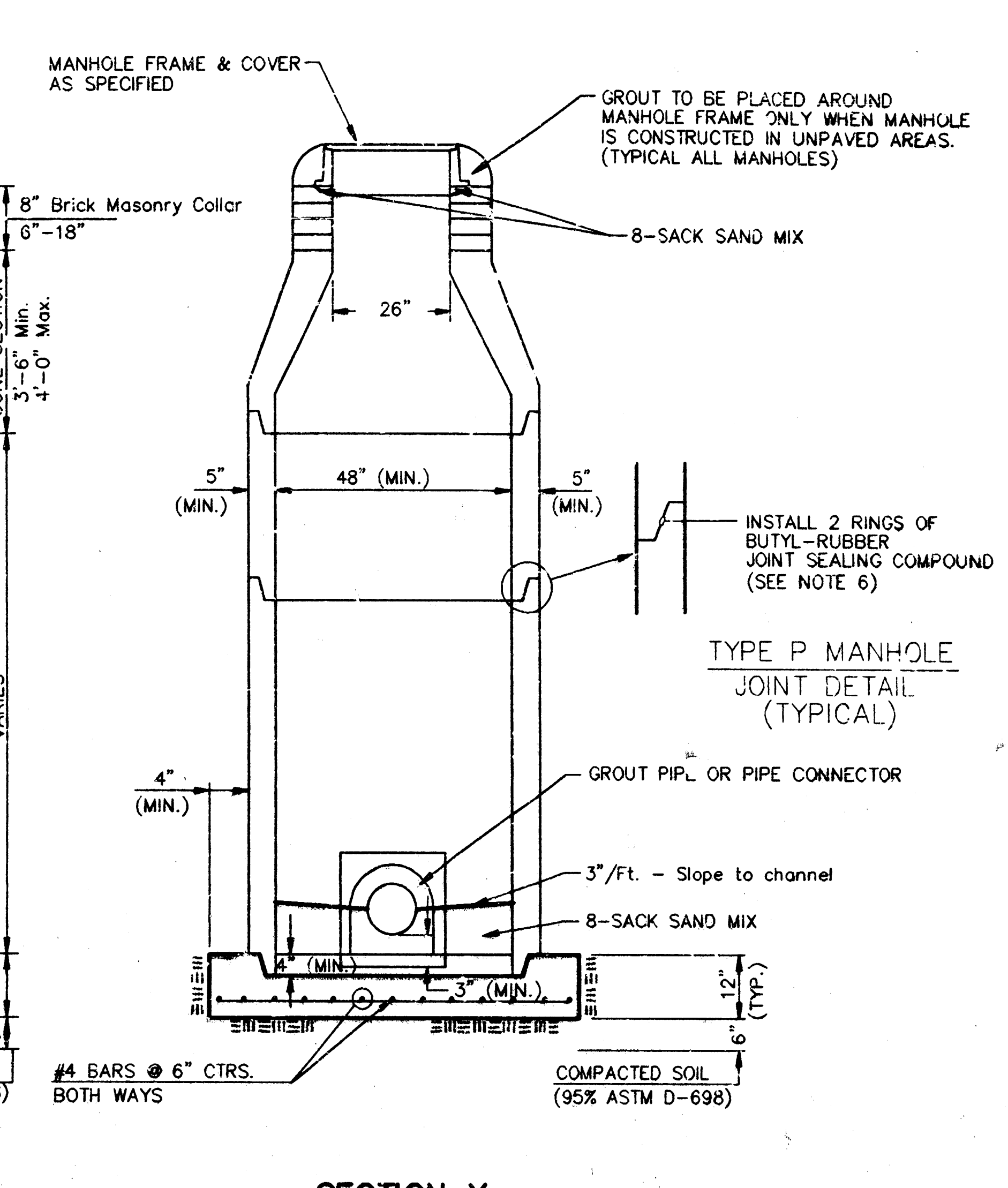
TYPE P STANDARD MANHOLE



TYPE P INSIDE DROP MANHOLE



TYPE P OUTSIDE DROP MANHOLE



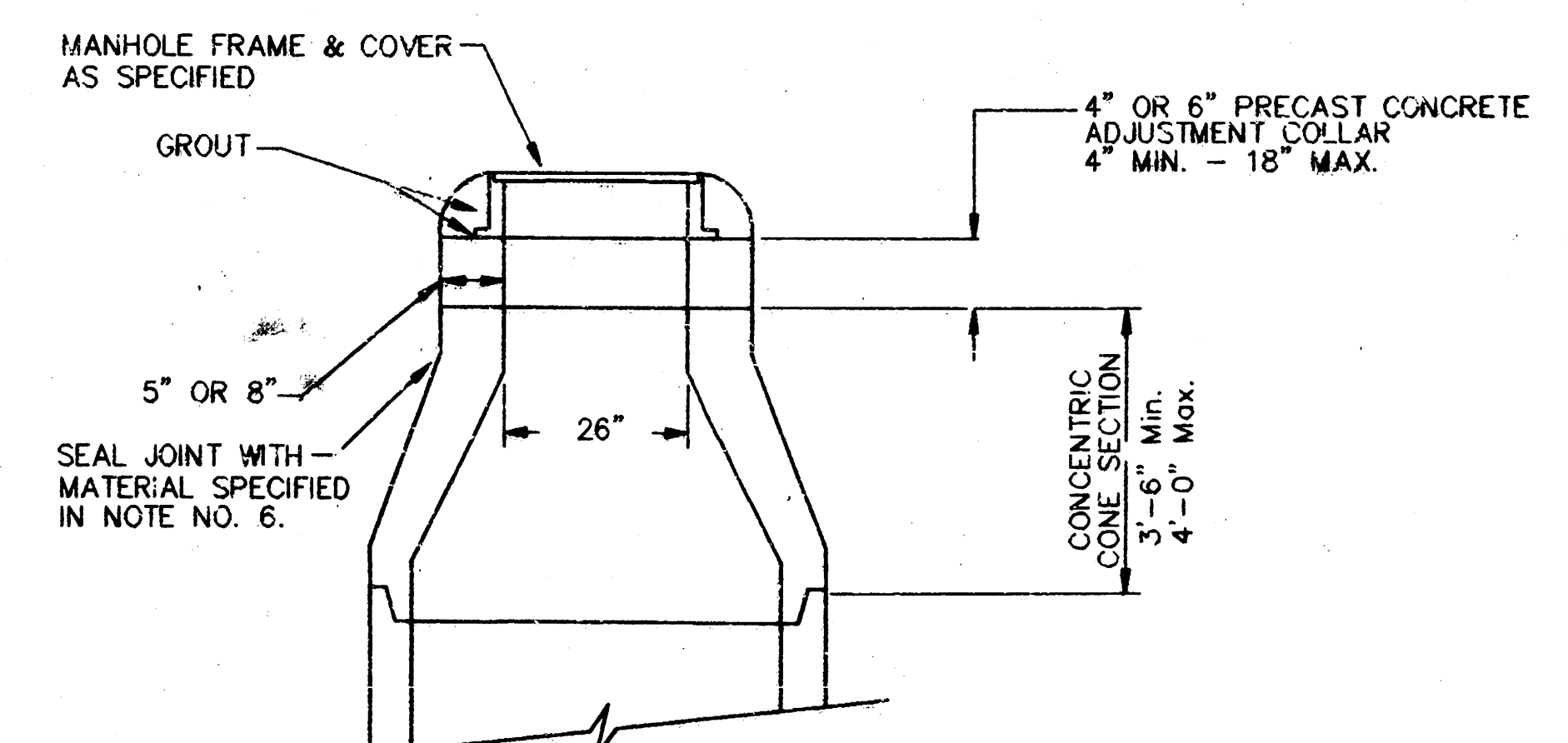
SECTION X (TYPICAL)

GENERAL 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 TNEC SEPIES 88 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 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 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.

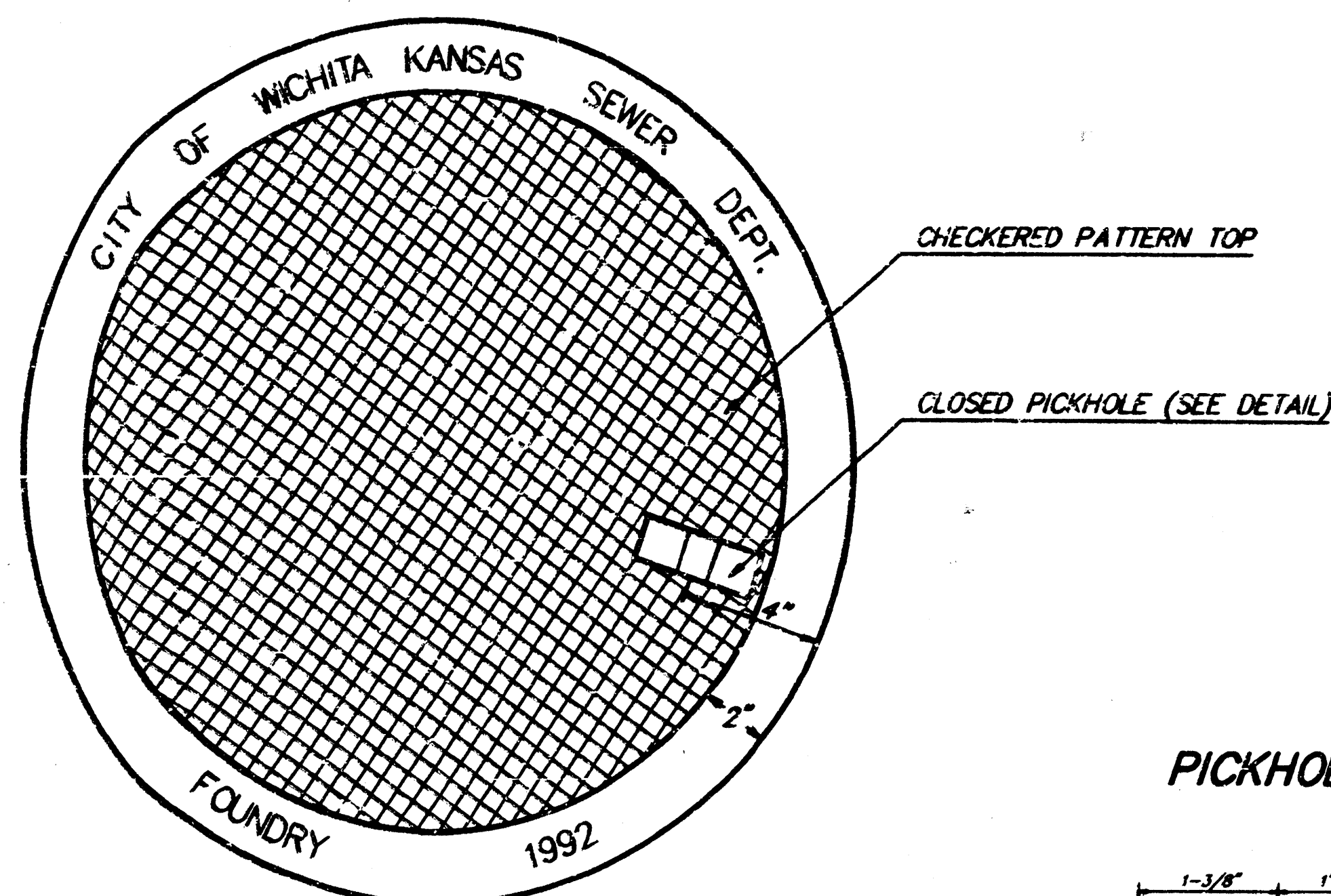
15. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
16. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 2' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING 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 MANHOLE FRAME AND THE CONCENTRIC CONE. THE COLLAR SHALL HAVE A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS IS ALSO ALLOWED.



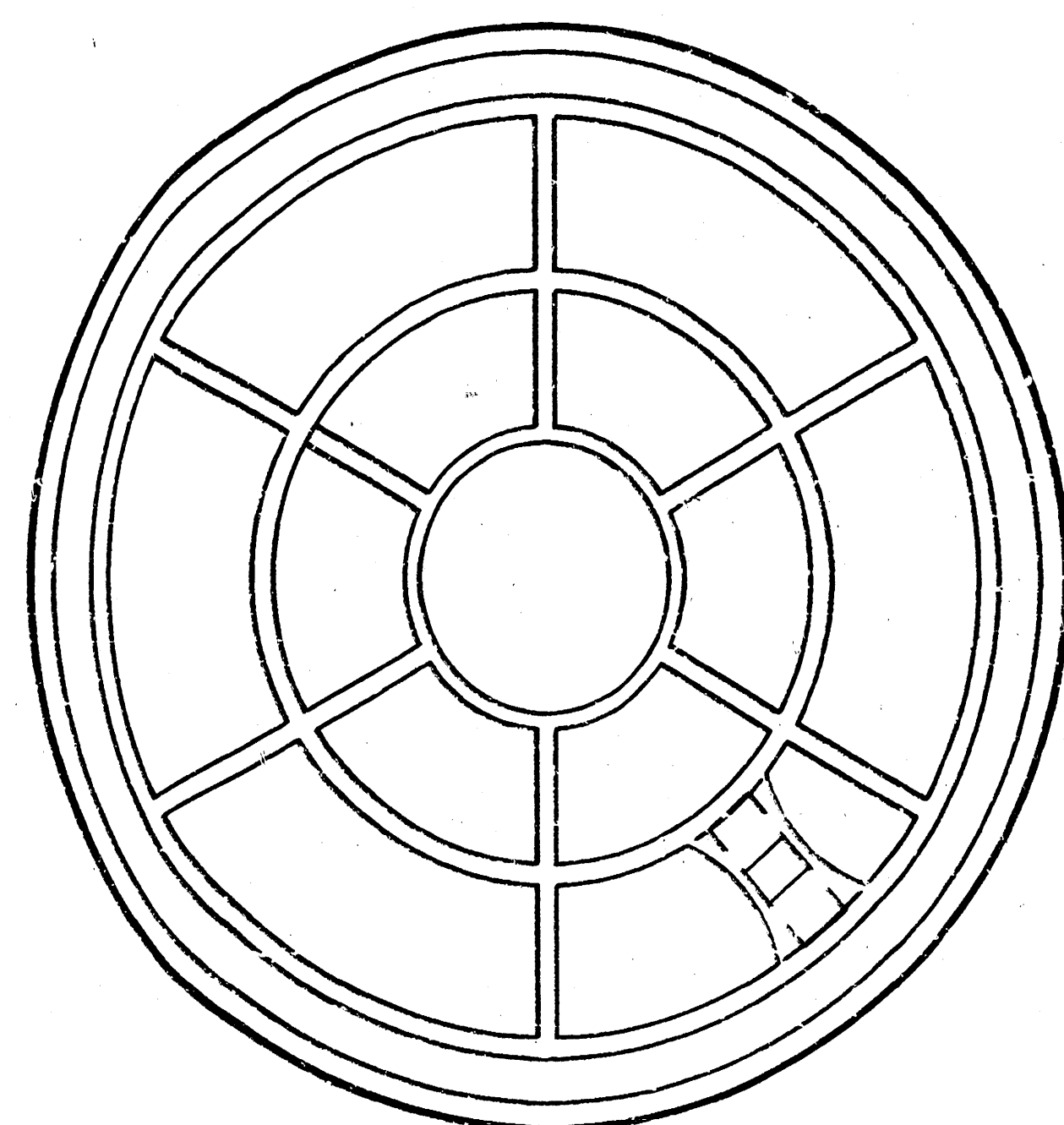
ALTERNATE CONSTRUCTION IN UNPAVED AREAS

CITY OF WICHITA			
STD. MANHOLE DETAILS			
& SEWER APPURTENANCES DETAILS			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • 13 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER 468-78-245-92510-000-001			
DESIGN	DRAWN	APPROVED	DATE 10/95
			SCALE
			10

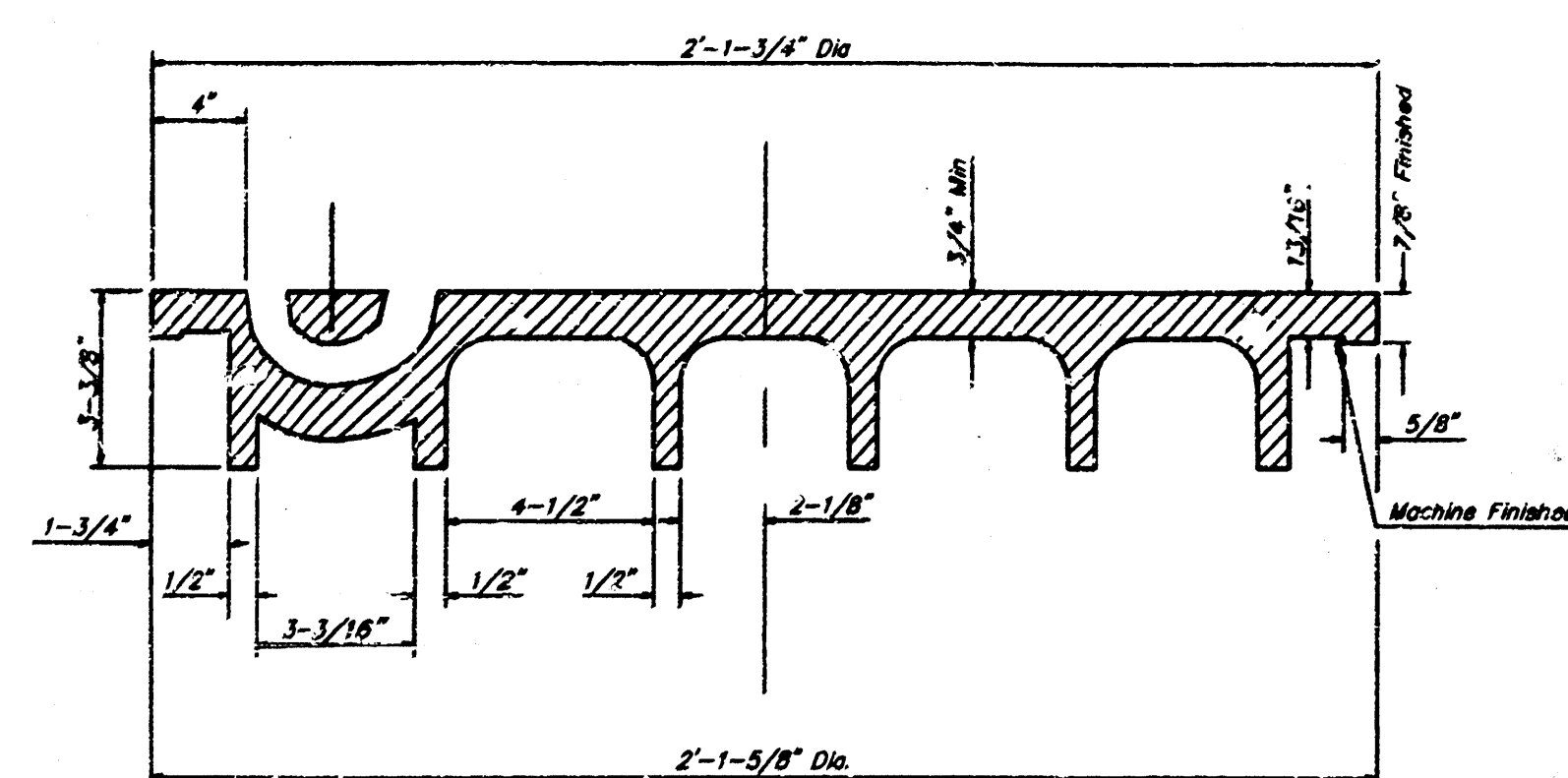
MANHOLE COVER
Weight = 180 Lbs.



TOP VIEW

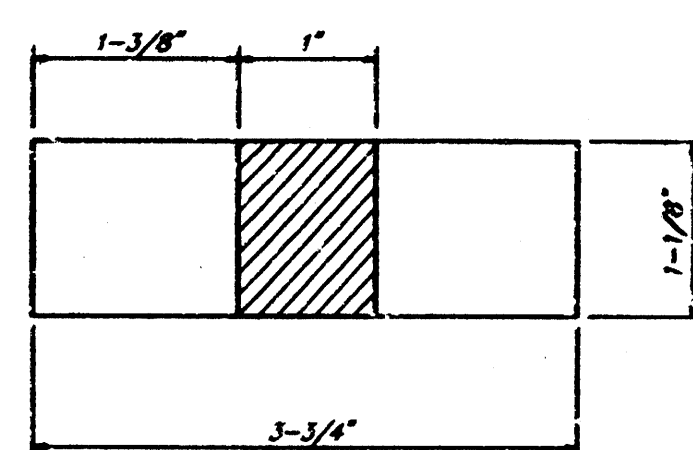


BOTTOM VIEW

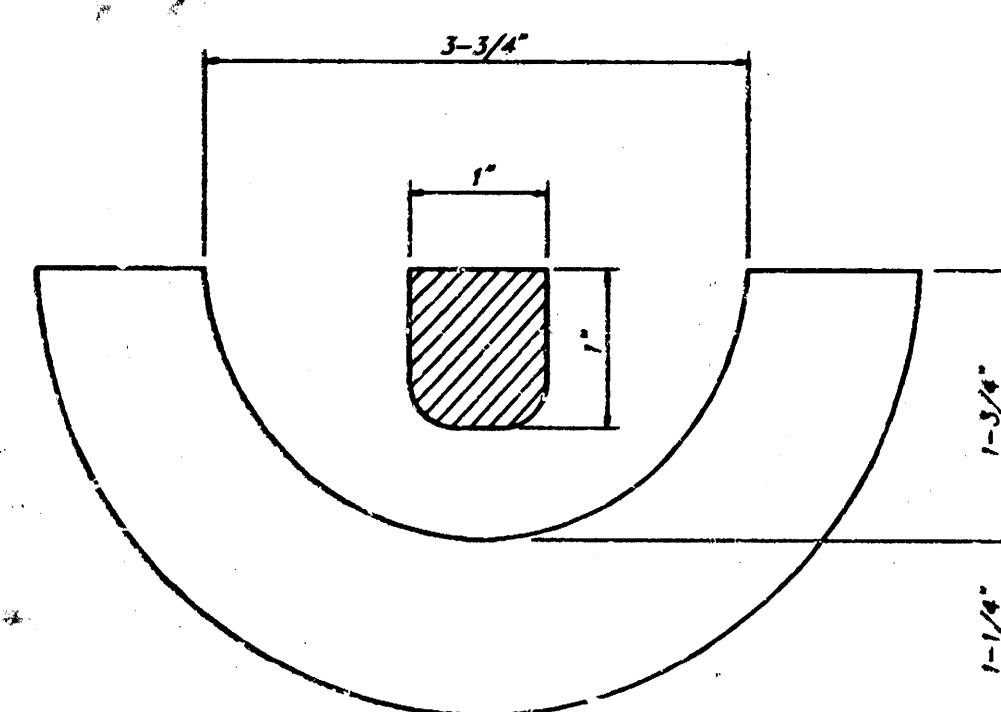


SECTION VIEW

PICKHOLE DETAIL



TOP VIEW

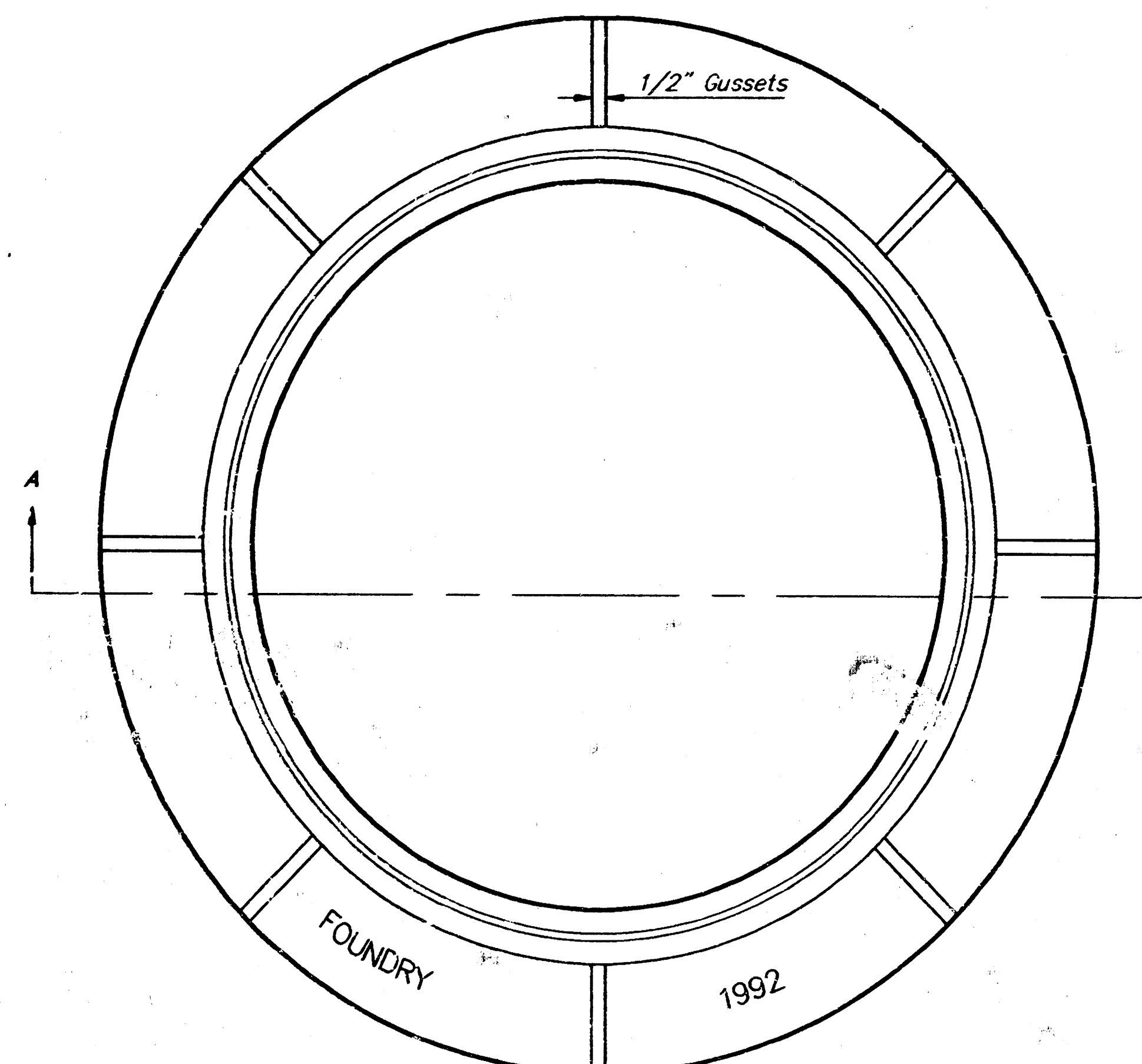


SECTION VIEW

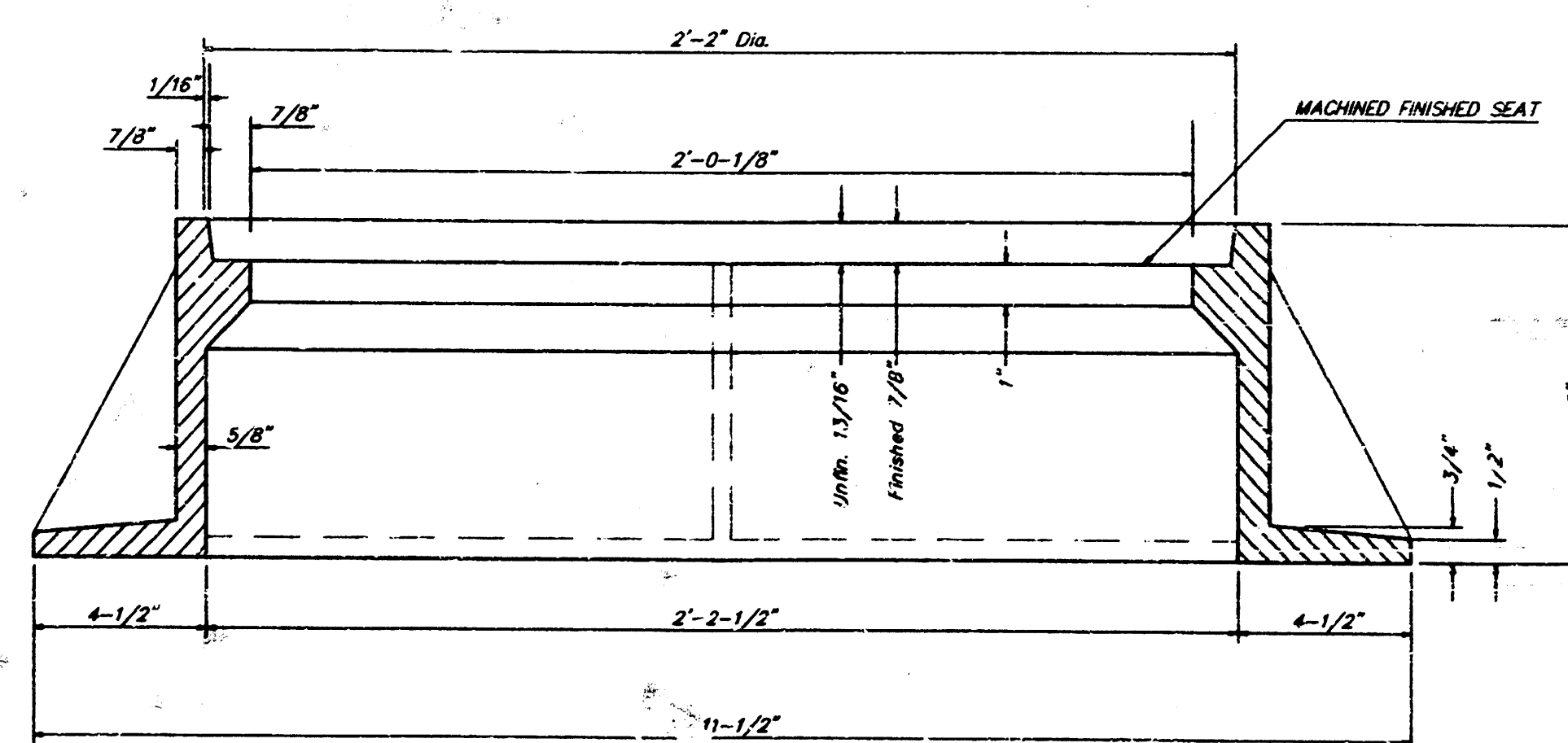
MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

MANHOLE FRAME
Weight = 240 Lbs.



TOP 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.

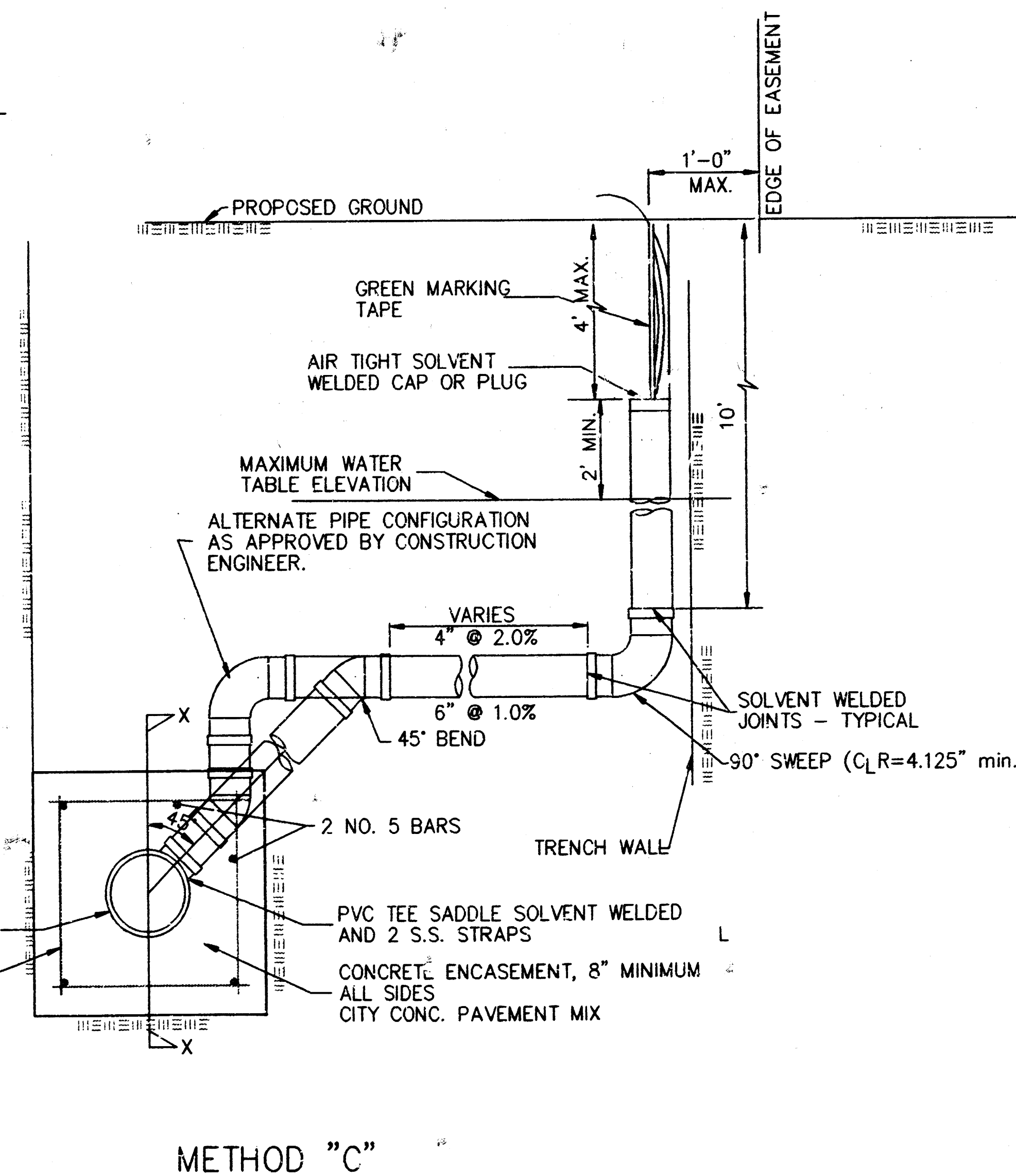
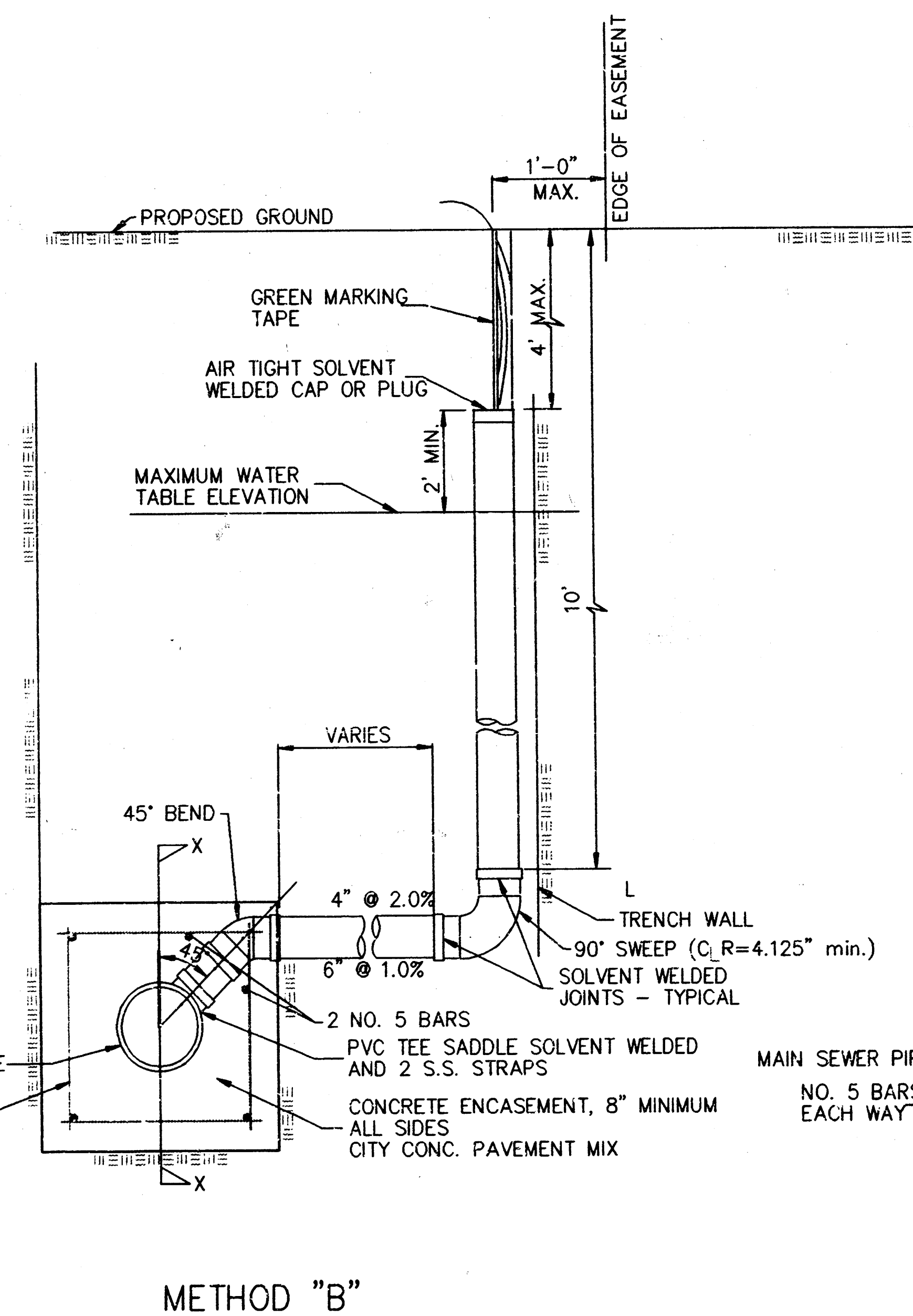
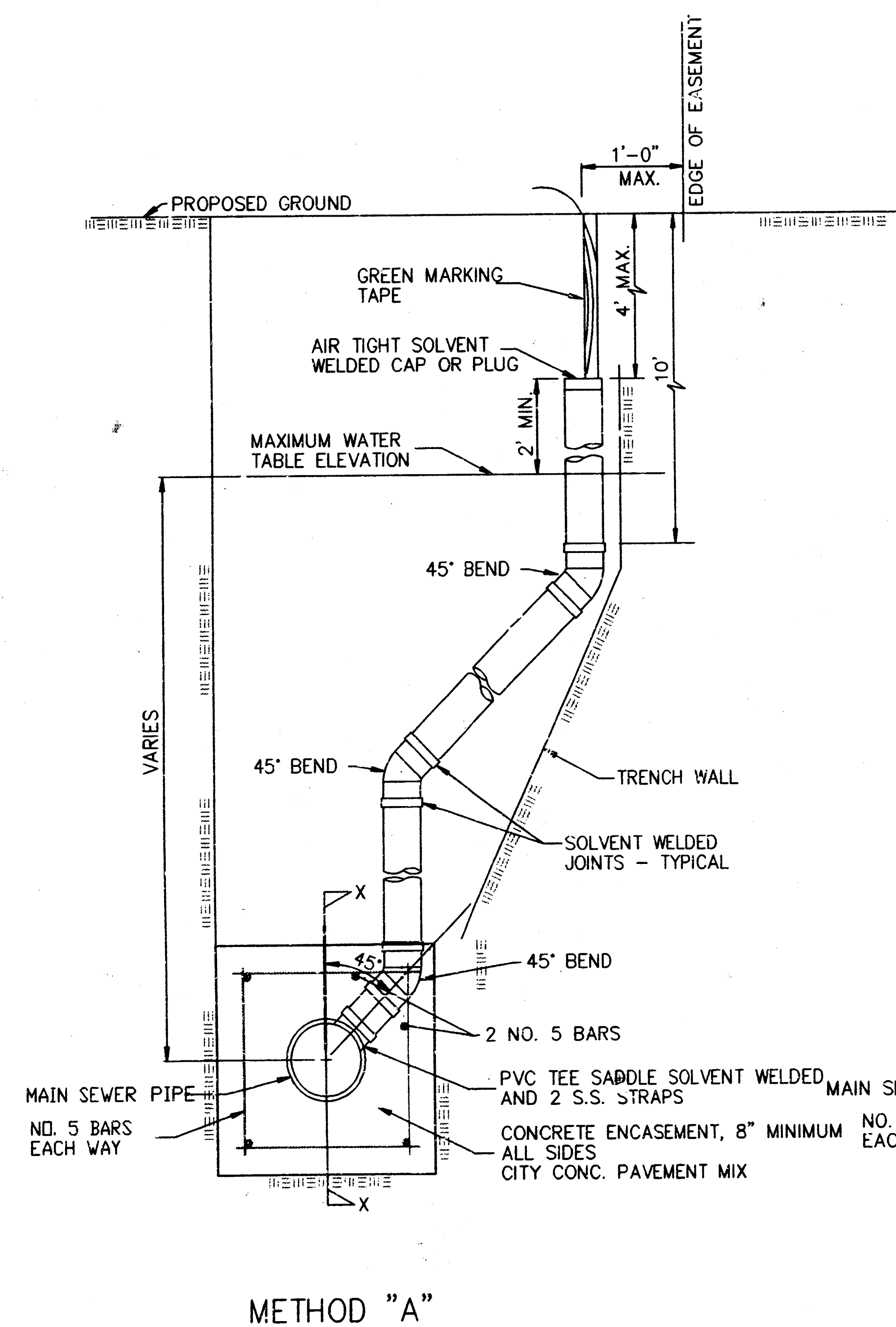
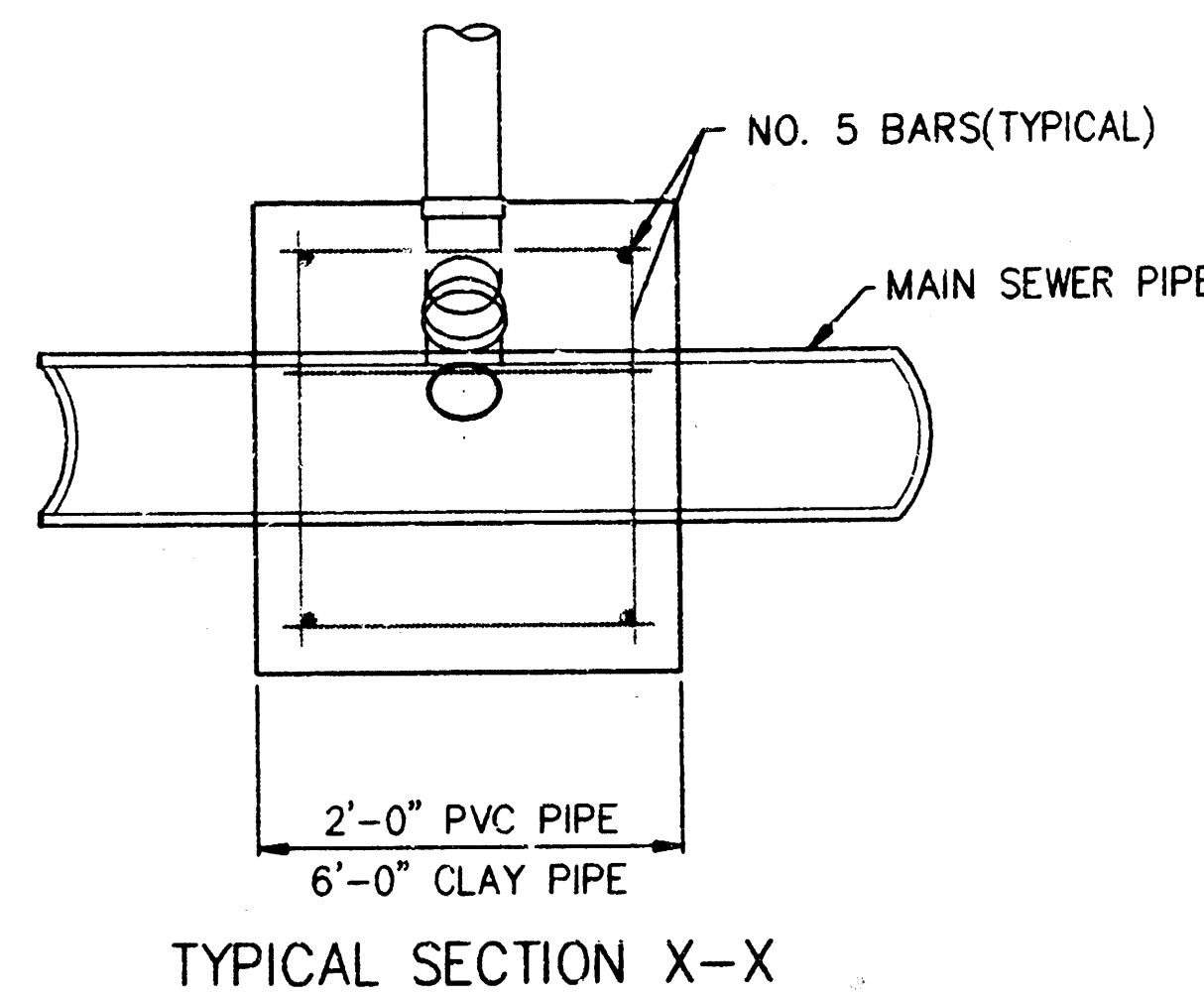
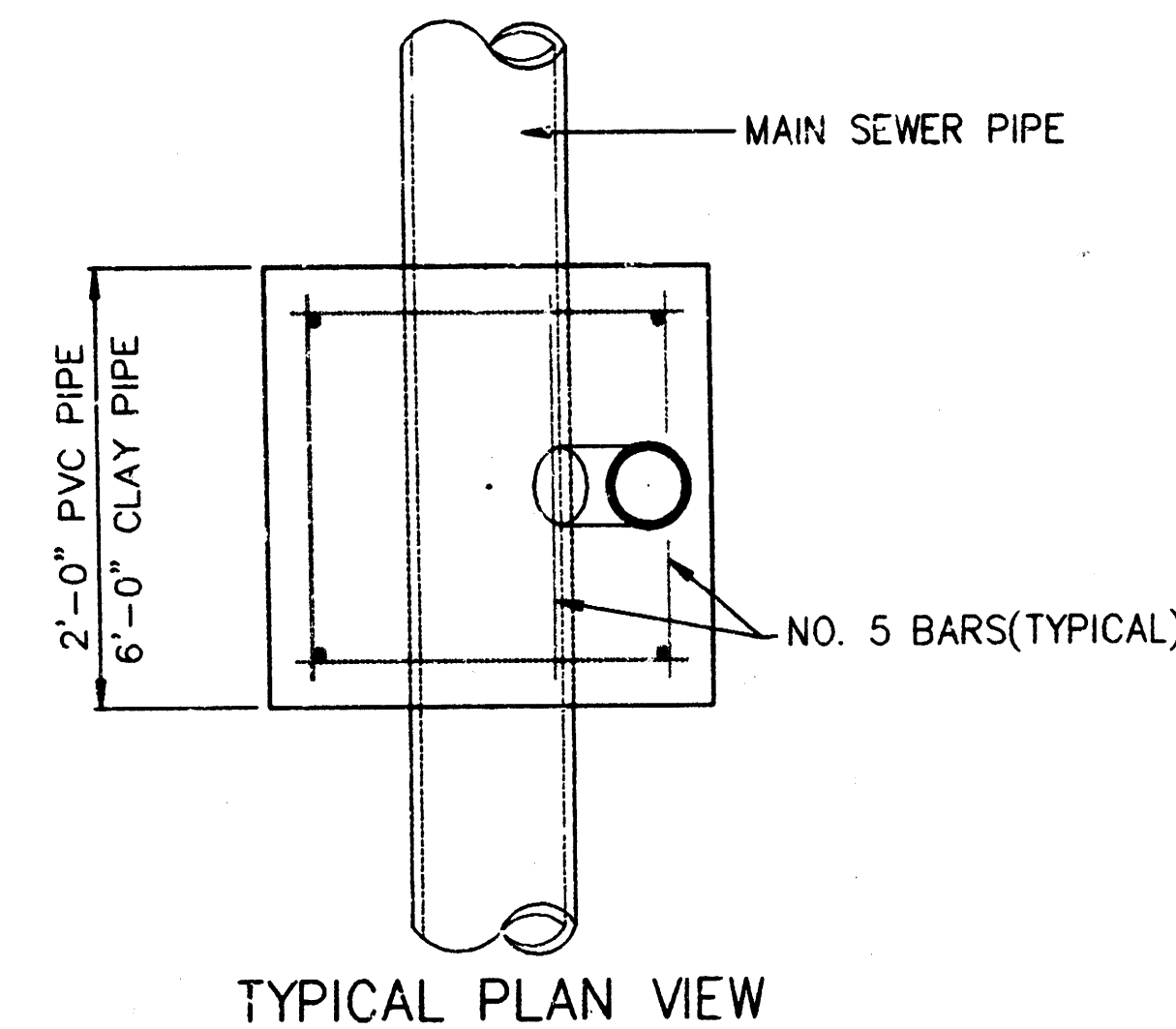
MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME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

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 & COVER	
Detail - City of Wichita Standard Design			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER		SHEET	
488-78-245-82510-000-001		8	
DESIGN	DRAWN	APPROVED	DATE
C.O.W.	Staff		10/95
SCALE		None	
		OF 10	

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



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 and 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 S.A.S. 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.

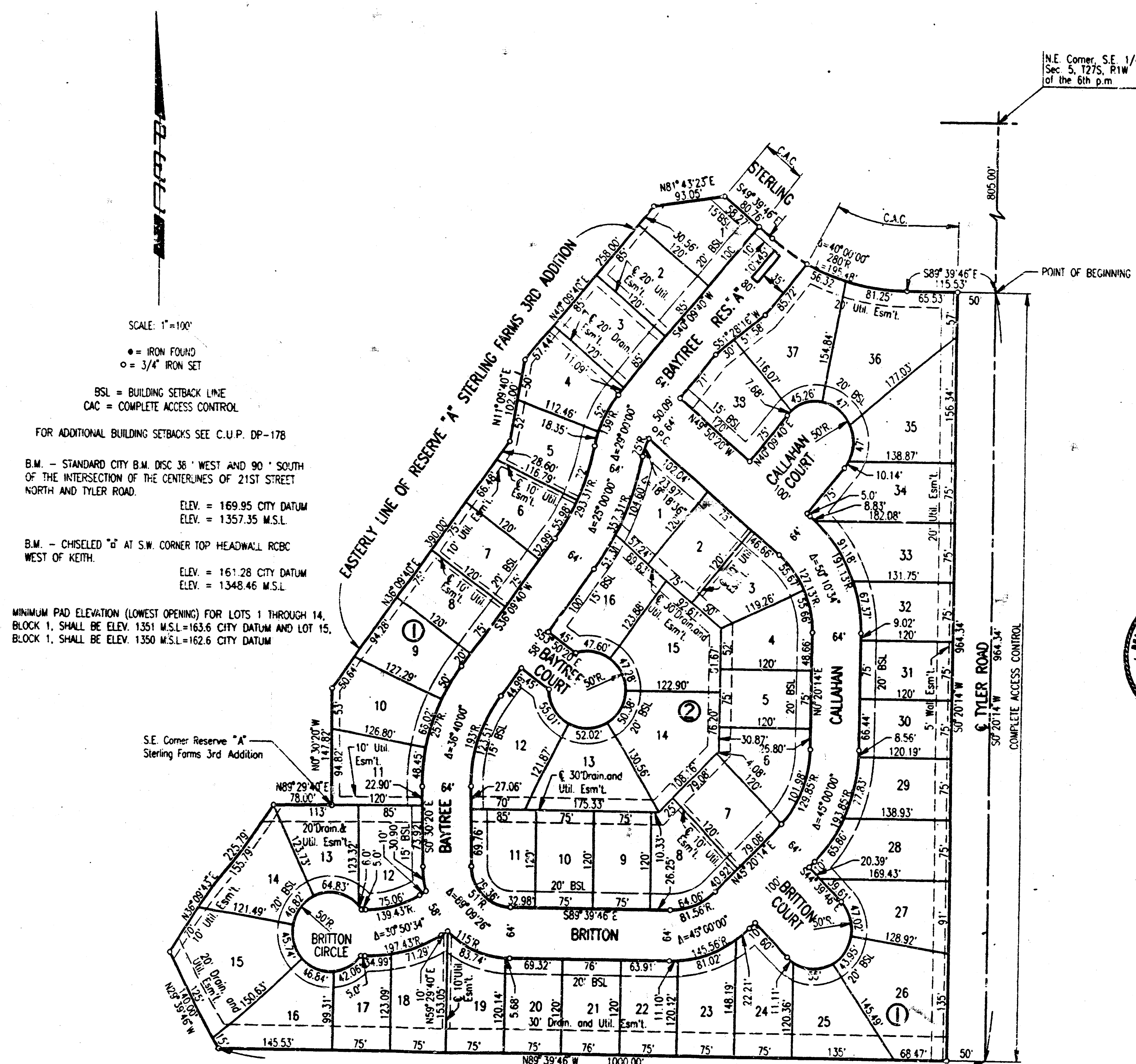
"Manhole stubs" shall be paid for at the contract unit price per each, which shall be full compensation for all labor, material, and incidentals necessary to complete the work including all pipe, fittings, reinforced concrete encasement, and all other items as required and listed for "Sanitary Sewer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

City of Wichita Standard Riser Details

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-2222 • 213 E. SULLIVAN • WICHITA, KANSAS 67211

PROJECT NUMBER: 468-78-245-82510-000-000-001
DESIGN: [] DRAWN: [] APPROVED: [] DATE: 10/95 SCALE: [] SHEET: 9 OF 10

STERLING FARMS 6TH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

I, MICHAEL W. BERRY, A REGISTERED LAND SURVEYOR IN AFORESAID STATE AND COUNTY, DO HEREBY CERTIFY THAT ON THIS 17TH DAY OF JULY, 1995, I HAVE CAUSED TO BE SURVEYED AND PLATTED STERLING FARMS 6TH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS, INTO LOTS, BLOCKS, STREETS AND A RESERVE. THE SAME BEING A TRACT OF LAND DESCRIBED AS:

BEGINNING AT A POINT ON THE EAST LINE AND 805.00 FEET SOUTH OF THE N.E. CORNER, S.E. 1/4 OF SECTION 5, TOWNSHIP 27 SOUTH, RANGE 1 WEST OF THE 6TH P.M., THENCE BEARING S0°20'14"W ALONG THE EAST LINE OF SAID S.E. 1/4 A DISTANCE OF 964.34 FEET; THENCE BEARING N89°39'46"W ALONG THE EXTENDED NORTH LINE OF LOT 4, BLOCK 6, STERLING FARMS, AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS, A DISTANCE OF 1000.00 FEET; THENCE BEARING N29°29'40"E ALONG THE EASTERLY LINE OF RESERVE "A" AS PLATTED IN SAID STERLING FARMS A DISTANCE OF 140.00 FEET; THENCE CONTINUING ON SAID EASTERLY LINE BEARING N38°09'43"E A DISTANCE OF 225.19 FEET; THENCE CONTINUING ALONG THE SOUTHERLY AND EASTERLY LINES OF RESERVE "A" AS PLATTED IN STERLING FARMS 3RD ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS, THE FOLLOWING SIX COURSES: THENCE BEARING N89°29'40"E A DISTANCE OF 78.00 FEET; THENCE BEARING N0°30'20"W A DISTANCE OF 147.82 FEET; THENCE BEARING N38°09'43"E A DISTANCE OF 390.06 FEET; THENCE BEARING N1°09'40"E A DISTANCE OF 102.00 FEET; THENCE BEARING N40°09'40"E A DISTANCE OF 258.00 FEET; THENCE BEARING N81°43'23"E A DISTANCE OF 83.05 FEET TO A POINT IN THE SOUTH LINE OF STERLING STREET AS PLATTED IN STERLING FARMS 2ND ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS; THENCE ALONG SAID SOUTH LINE BEARING S49°39'46"E A DISTANCE OF 80.76 FEET TO THE P.C. OF A CURVE TO THE LEFT HAVING A RADIUS OF 280.00 FEET; THENCE ALONG SAID CURVE, BEING SAID SOUTH LINE, THROUGH A CENTRAL ANGLE OF 40°00'00" AN ARC DISTANCE OF 195.48 FEET; THENCE BEARING S89°39'46"E ALONG SAID SOUTH LINE A DISTANCE OF 115.53 FEET TO THE POINT OF BEGINNING, EXCEPT THE EAST 50 FEET THEREOF DEDICATED FOR ROAD.

THE UTILITY EASEMENT AS PER FILM 1367, PAGE 681 IS HEREBY VACATED AND REPLACED BY VIRTUE OF K.S.A. 12-512(b) AMENDED

Michael W. Berry
MICHAEL W. BERRY, R.L.S. NO. 946
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED PROPERTY OWNERS OF THE LAND AS ABOVE SET FORTH IN THE SURVEYOR'S CERTIFICATE, HAVE CAUSED THE LAND TO BE SURVEYED AND PLATTED INTO LOTS, BLOCKS, STREETS, AND A RESERVE, THE SAME TO BE KNOWN AS STERLING FARMS 6TH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS.

EASEMENTS, AS INDICATED FOR THE CONSTRUCTION AND MAINTENANCE OF PUBLIC UTILITIES AND DRAINAGE ARE HEREBY GRANTED. THE STREETS ARE HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC. ALL ADJUTERS RIGHTS OF ACCESS TO AND FROM STERLING STREET AND TYLER ROAD OVER AND ACROSS THE NORTH AND EAST LINES OF BLOCK 1, AS SHOWN, ARE HEREBY GRANTED TO THE CITY OF WICHITA.

A FIVE-FOOT WALL EASEMENT ALONG THE EAST LINE OF BLOCK 1 AS SHOWN, IS HEREBY PLATTED FOR THE CONSTRUCTION AND MAINTENANCE OF A PRIVATE WALL. UTILITIES MAY CROSS THE WALL EASEMENT.

RESERVE "A" IS HEREBY PLATTED FOR LANDSCAPING, ENTRY MONUMENTS, AND AN IRRIGATION SYSTEM.

RESERVE "A" SHALL BE SUBJECT TO THE RESTRICTIVE COVENANTS ESTABLISHED BY THE DECLARATION OF LANDOWNERS' ASSOCIATION AGREEMENTS AND SHALL BE MAINTAINED BY A LANDOWNERS' ASSOCIATION TO BE FORMED WITHIN STERLING FARMS 6TH ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS.

MINIMUM PAD ELEVATION (LOWEST OPENING) FOR LOTS 1 THROUGH 14, BLOCK 1, SHALL BE ELEV. 1351 M.S.L.=163.6 CITY DATUM AND LOT 15, BLOCK 1, SHALL BE ELEV. 1350 M.S.L.=162.6 CITY DATUM

FOR ADDITIONAL BUILDING SETBACKS SEE C.U.P. DP-178

OWNER: KESSLER ENTERPRISES, A TRUST

By *Lucille Meyer* TRUSTEE
LUCILLE MEYER

By *William J. Walsh, Jr.* TRUSTEE
WILLIAM J. WALSH, JR.

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

BE IT REMEMBERED ON THIS 28th DAY OF July, 1995, BEFORE ME, A NOTARY PUBLIC IN AFORESAID STATE AND COUNTY, CAME LUCILLE MEYER AND WILLIAM J. WALSH, JR., TRUSTEES OF KESSLER ENTERPRISES, A TRUST, TO ME PERSONALLY KNOWN TO BE THE SAME PERSONS WHO EXECUTED THE FOREGOING INSTRUMENT OF WRITING AND FULLY ACKNOWLEDGED THE EXECUTION OF SAME AS THE VOLUNTARY ACT AND DEED OF SAID TRUST, IN TESTIMONY WHEREOF I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL THE DAY AND YEAR ABOVE WRITTEN.

Kim D. Legion NOTARY PUBLIC
KIM D. LEGION
MY COMMISSION EXPIRES 12/31/99
My Appointment Expires 4/18/99

THIS PLAT HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-SEDCWICK COUNTY METROPOLITAN COMMISSION, WICHITA, KANSAS, DATED THIS 15th DAY OF June, 1995.

John W. McKay, Jr. CHAIRMAN
JOHN W. MCKAY, JR.
Marvin S. Kroul SECRETARY
MARVIN S. KROUL

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON ARE ACCEPTED BY THE CITY COUNCIL OF THE CITY OF WICHITA, KANSAS, DATED THIS 29th DAY OF August, 1995.

Bob Knight MAYOR
BOB KNIGHT

Pat Burnett DEPUTY CITY CLERK
PAT BURNETT

ENTERED ON TRANSFER RECORD THIS 28th DAY OF September 1995

Susan E. Chalklett-Spoon COUNTY CLERK
SUSAN E. CHALKLETT-SPOON

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS OFFICE AT 10:30 A.M. ON THIS 28th DAY OF SEPTEMBER, 1995.

Pat Kettler REGISTER OF DEEDS
PAT KETTLER

Ed Resa DEPUTY
ED RESA