

SANITARY SEWER IMPROVEMENTS  
to Serve  
**AUBURN HILLS ADDITION**  
Lateral & Cowskin Interceptor

Project Number  
**468-76-245-82389-000-000-001**

Index Code  
**741918**

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

**GENERAL NOTES:**

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

Kansas One-Call 687-2470

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

Cablevision	262-4270
or	263-2061
K.P. L. Cas Service Company	263-7511
Kansas Gas & Electric Company	264-1141
Arkla Gas Company	942-8350
or	263-8181
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. 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.

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.

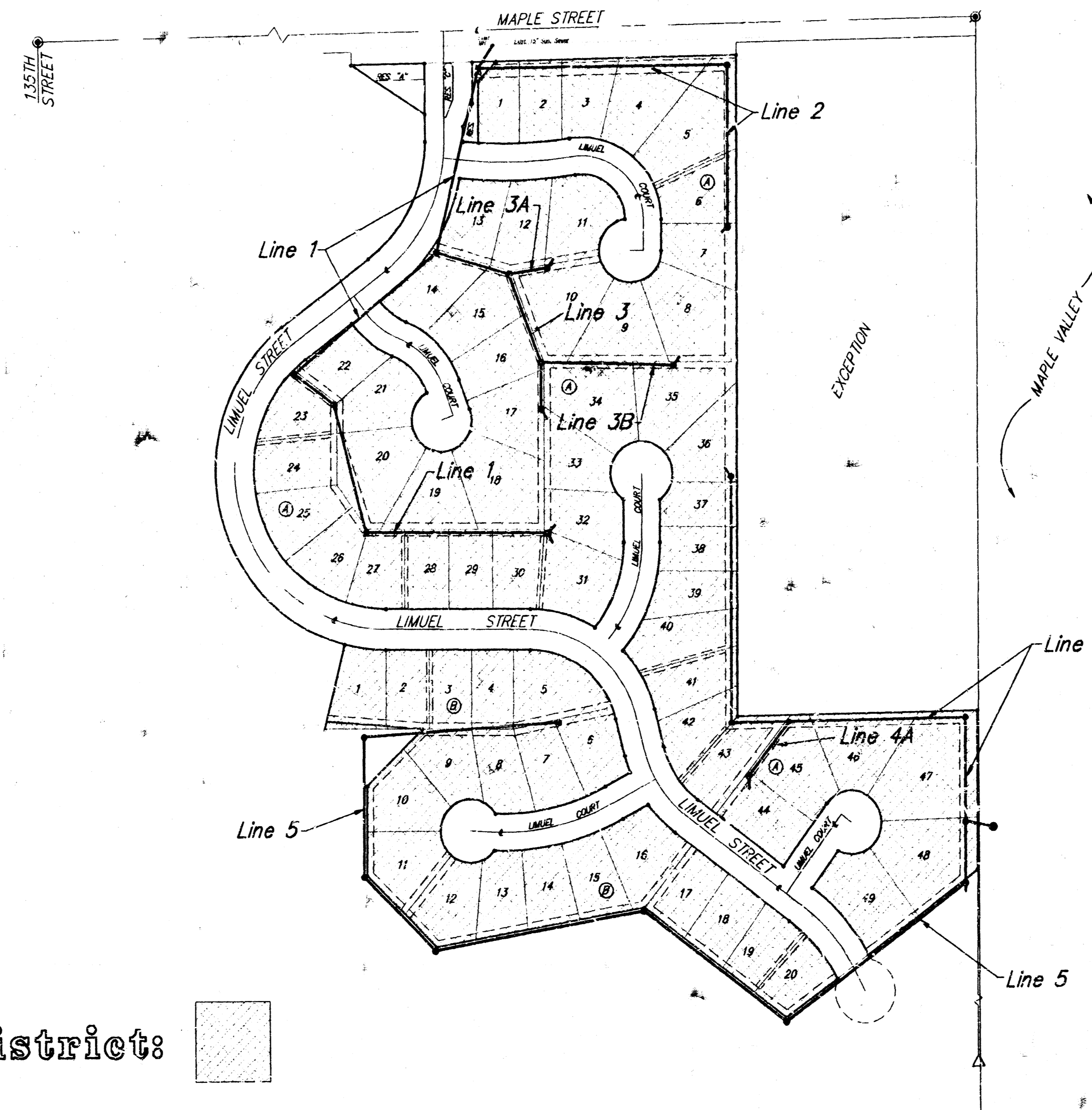
5. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

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. Contractor shall grade the sanitary sewer alignment to the profile and elevations shown on the easement and lot grading plan. All costs for grading shall be paid as lump sum for easement and lot grading.

9. All areas disturbed by construction operations shall be seeded with rye grass and mulched immediately following construction in that area.



Benefit District:

**BENCHMARK:**

"□" N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 825'± West of C of Forestview.  
Elev. = 141.00 City Datum

City of Wichita Bench Mark located on the headwall at the NE Corner of the intersection of 135th St. W. and Maple.  
Elev. = 150.20 City Datum

City of Wichita Bench Mark located 34' East of the C of 135th St. W. 1/2 mile South of Maple.  
Elev. = 156.63 City Datum

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Scale: 1" = 150'



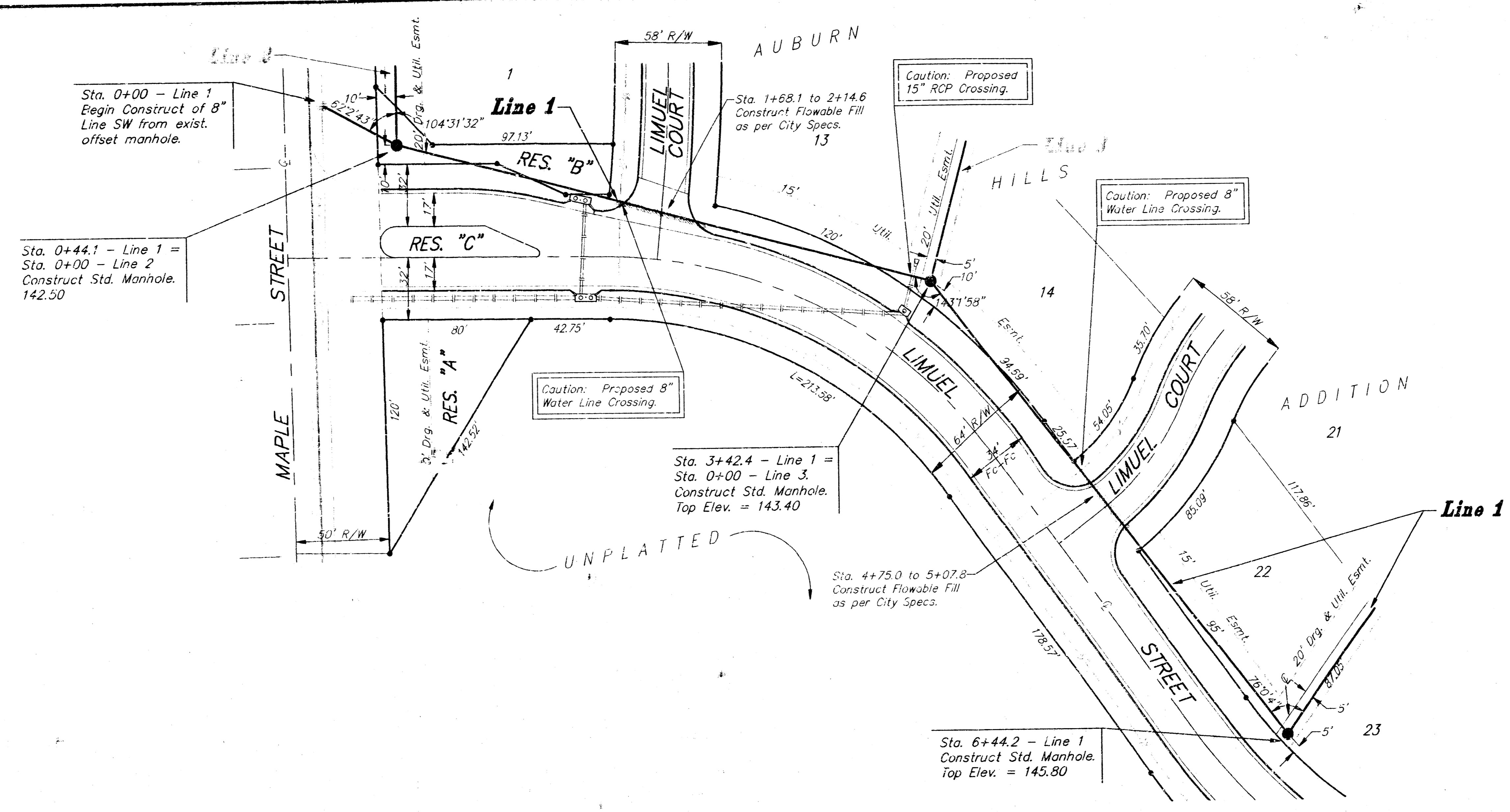
BOOKED  
PER PLAN  
12-97

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

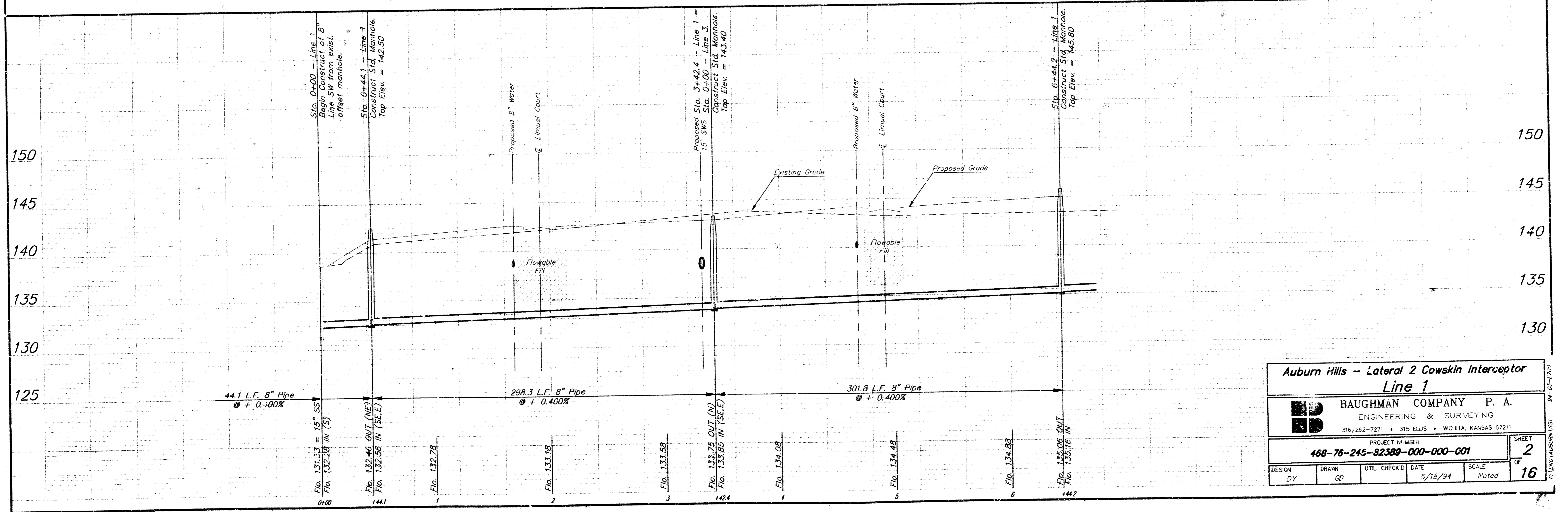
**Benchmark:**  
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 Elev. = 141.00 City Datum

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 Elev. = 156.63 City Datum



SCALE:  
 1" = 40' Horiz.  
 1" = 5' Vert.  
 • = Iron



**Auburn Hills - Lateral 2 Cowskin Interceptor**  
**Line 1**

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

PROJECT NUMBER: **468-76-245-82389-000-000-001** SHEET **2**

DESIGN	DY	DRAWN	GD	UTIL. CHECKED	DATE	SCALE
					5/16/94	Noted

OF **16**

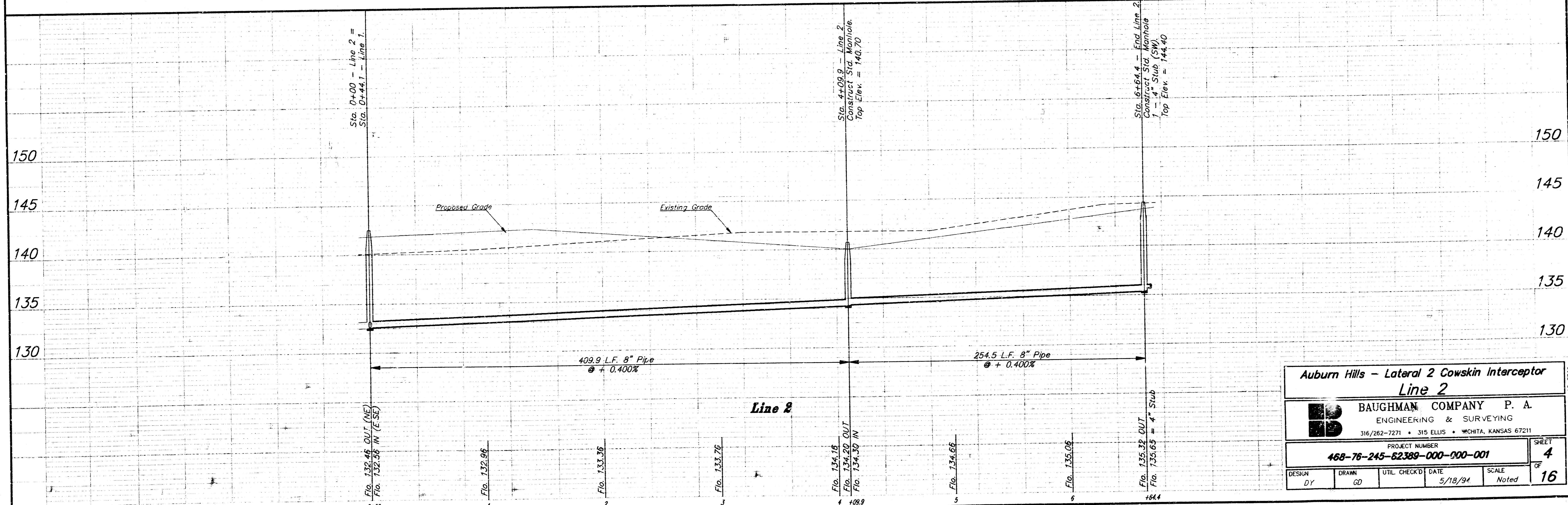
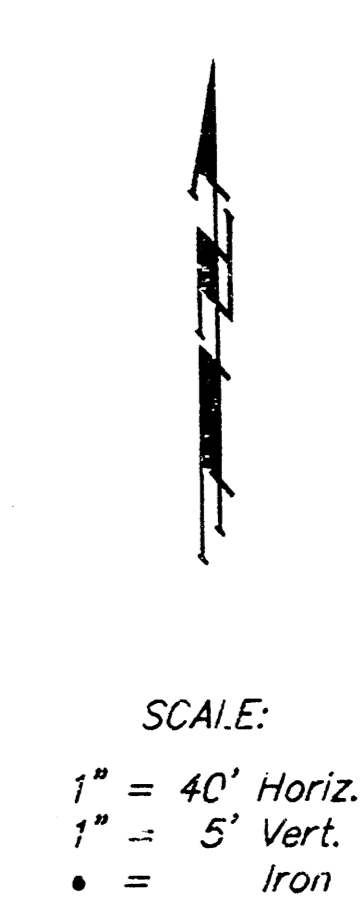
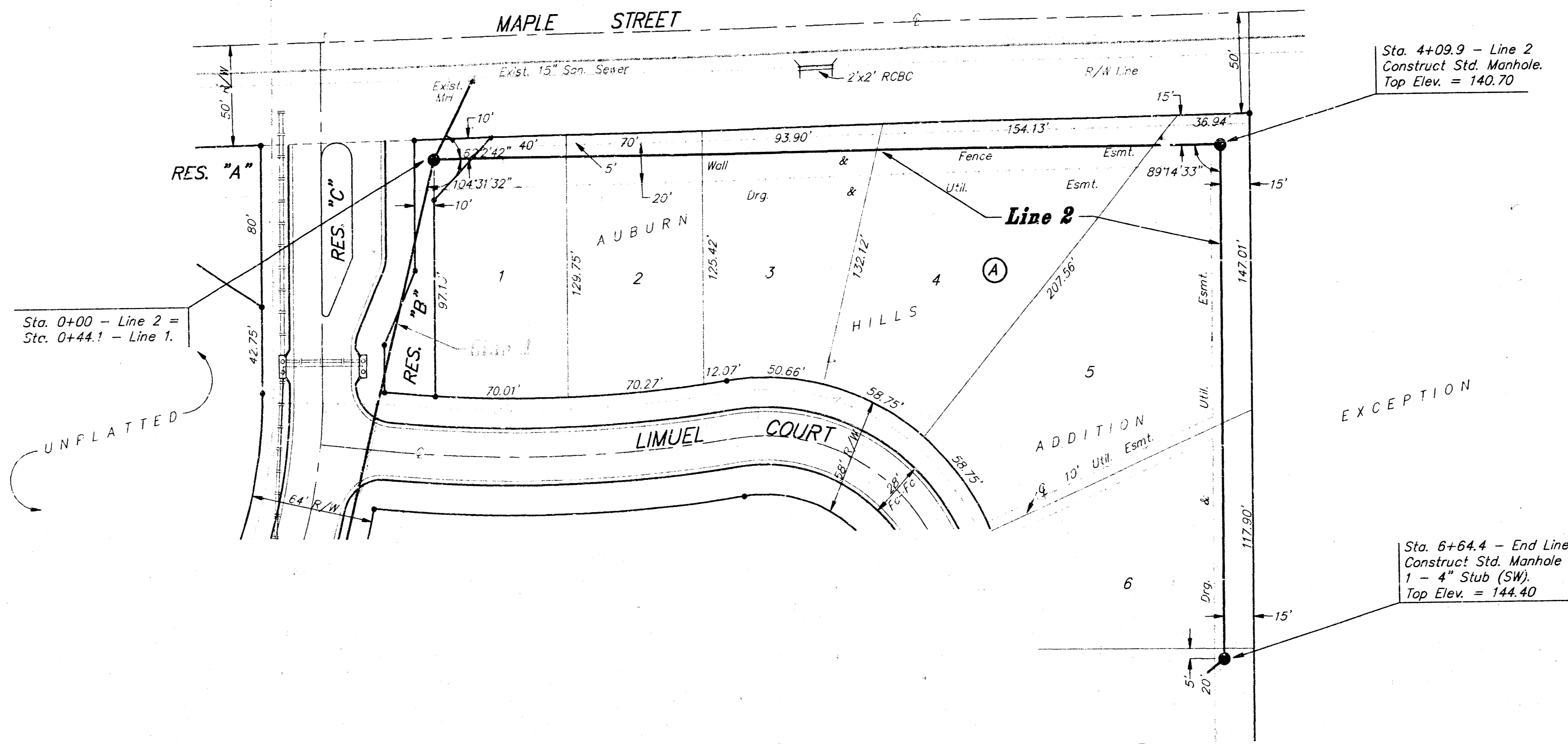


**Benchmark:**

"□" N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 82± West of C of Forestview.  
Elev. = 141.00 City Datum

City Of Wichita Bench Mark located on the headwall at the NE Corner of the intersection of 135th St. W. and Maple.  
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**Auburn Hills - Lateral 2 Cowskin Interceptor  
Line 2**

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

PROJECT NUMBER  
**468-76-245-62389-000-001**

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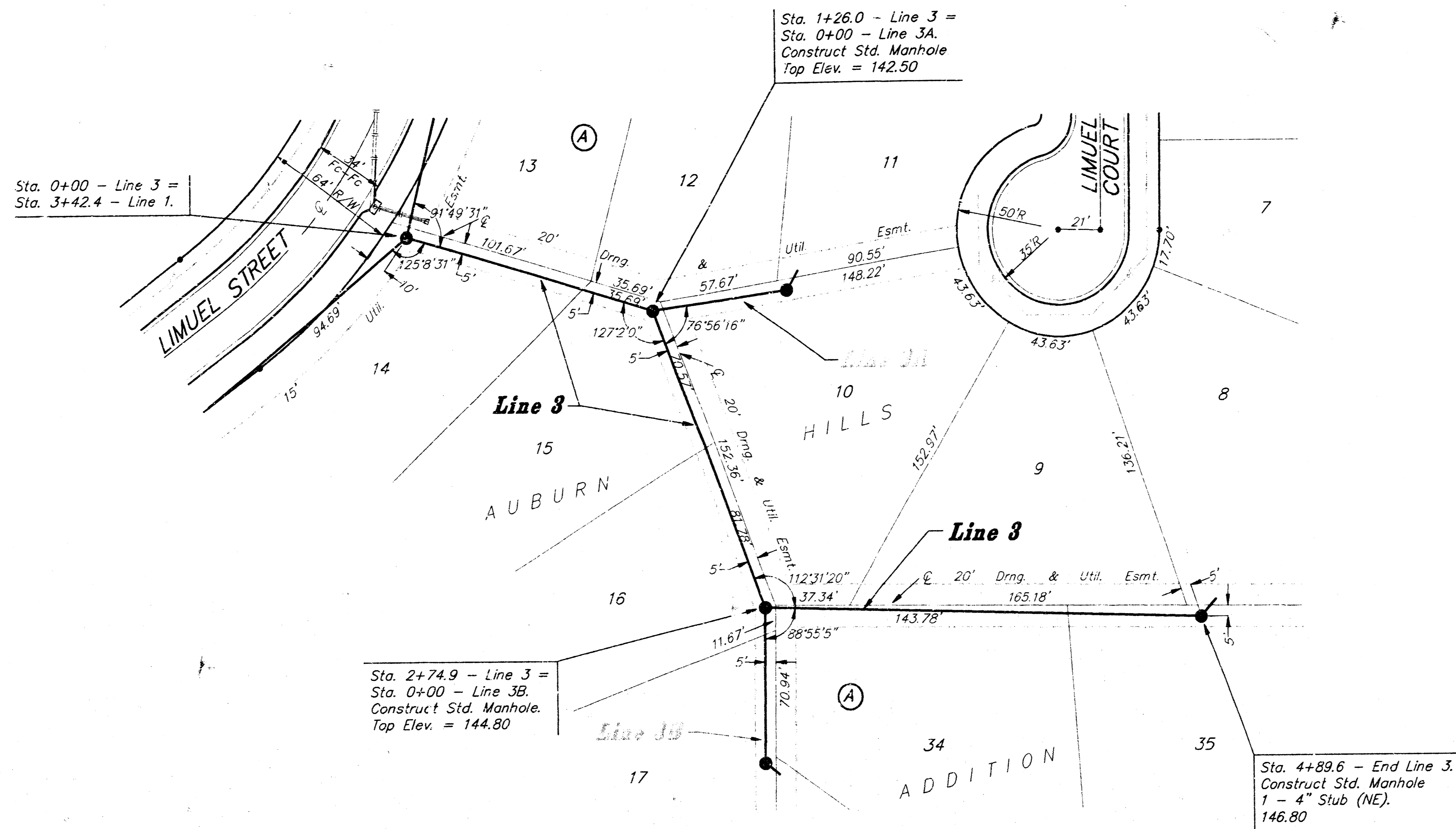
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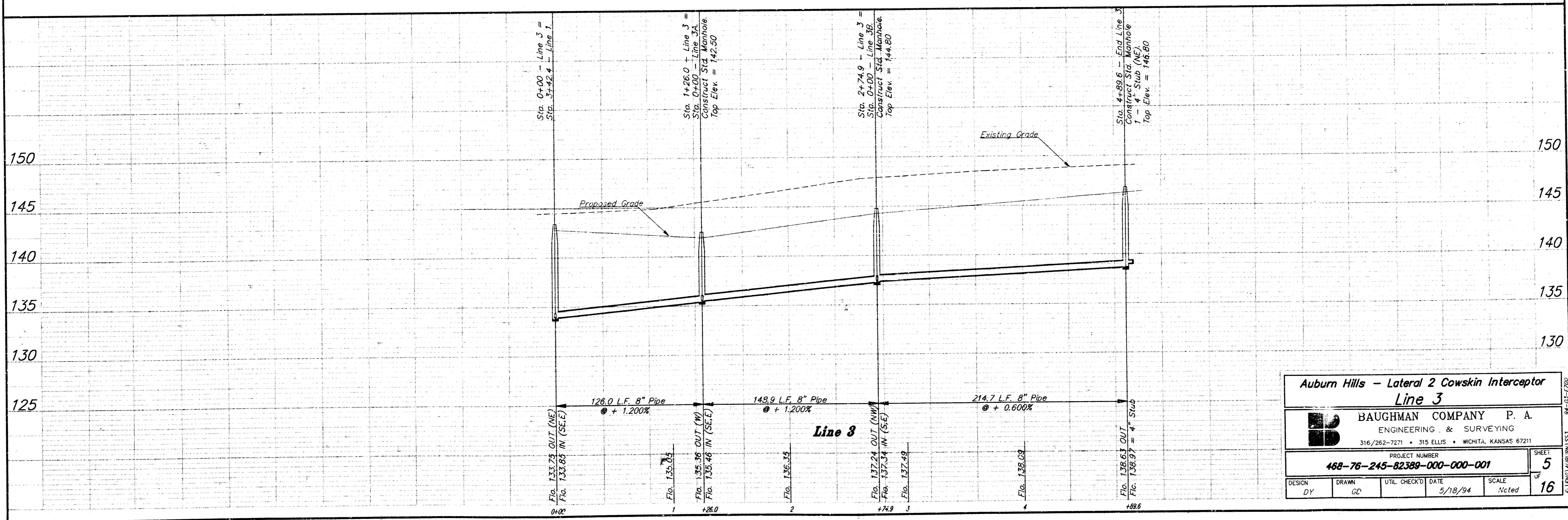
□ N.W. Corner of Headwall on the R.C.D.C. Crossing Maple 825± West of  $\bar{C}$  of Forestview.  
Elev. = 141.00 City Datum

City of Wichita Bench Mark located on the headwall at the NE Corner of the intersection of 135th St. W. and Maple.  
Elev. = 150.20 City Datum

City of Wichita Bench Mark located 34' East of the  $\bar{C}$  of 135th St. W. 1/2 mile South of Maple.  
Elev. = 156.63 City Datum



SCALE:  
1" = 40' Horiz.  
1" = 5' Vert.  
• = Iron



**Auburn Hills - Lateral 2 Cowskin Interceptor**  
**Line 3**

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

PROJECT NUMBER  
**468-76-245-82389-000-000-001**

DESIGN: DY    DRAWN: GD    UTIL CHECK'D:    DATE: 5/18/94    SCALE: Noted

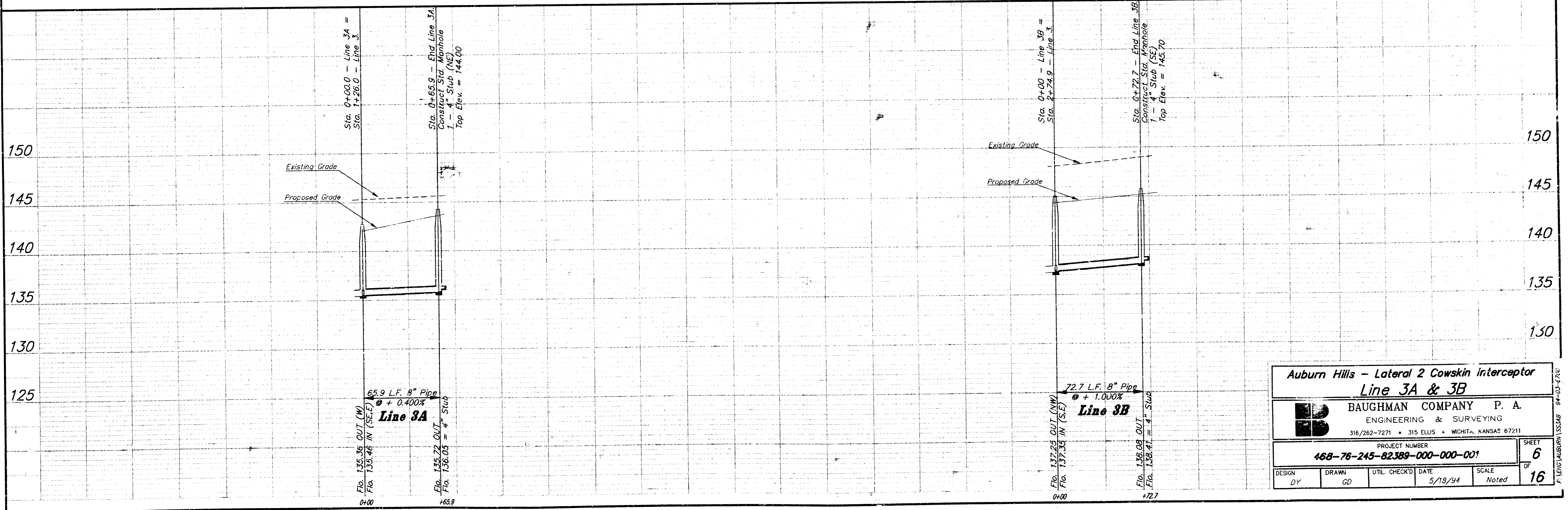
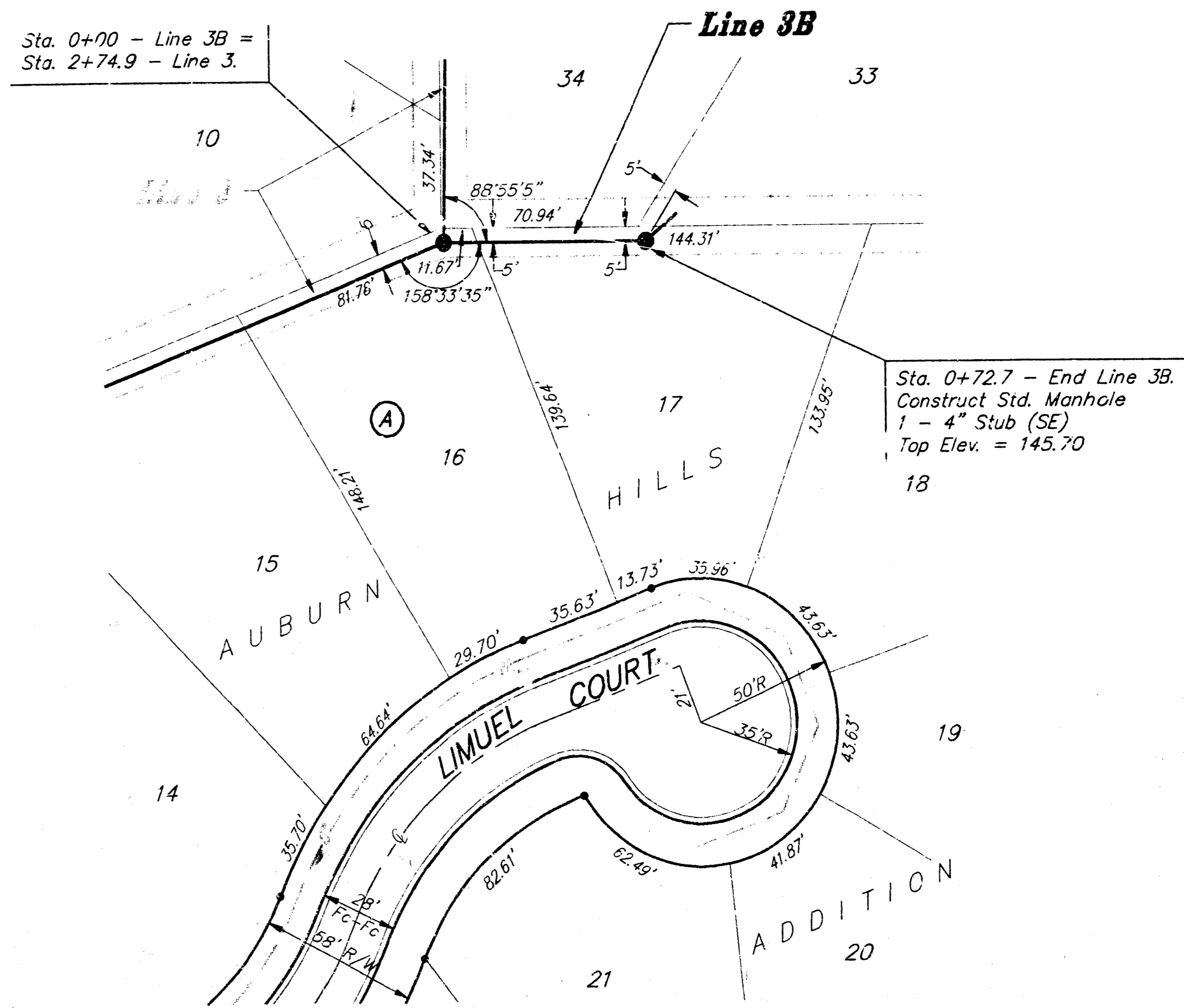
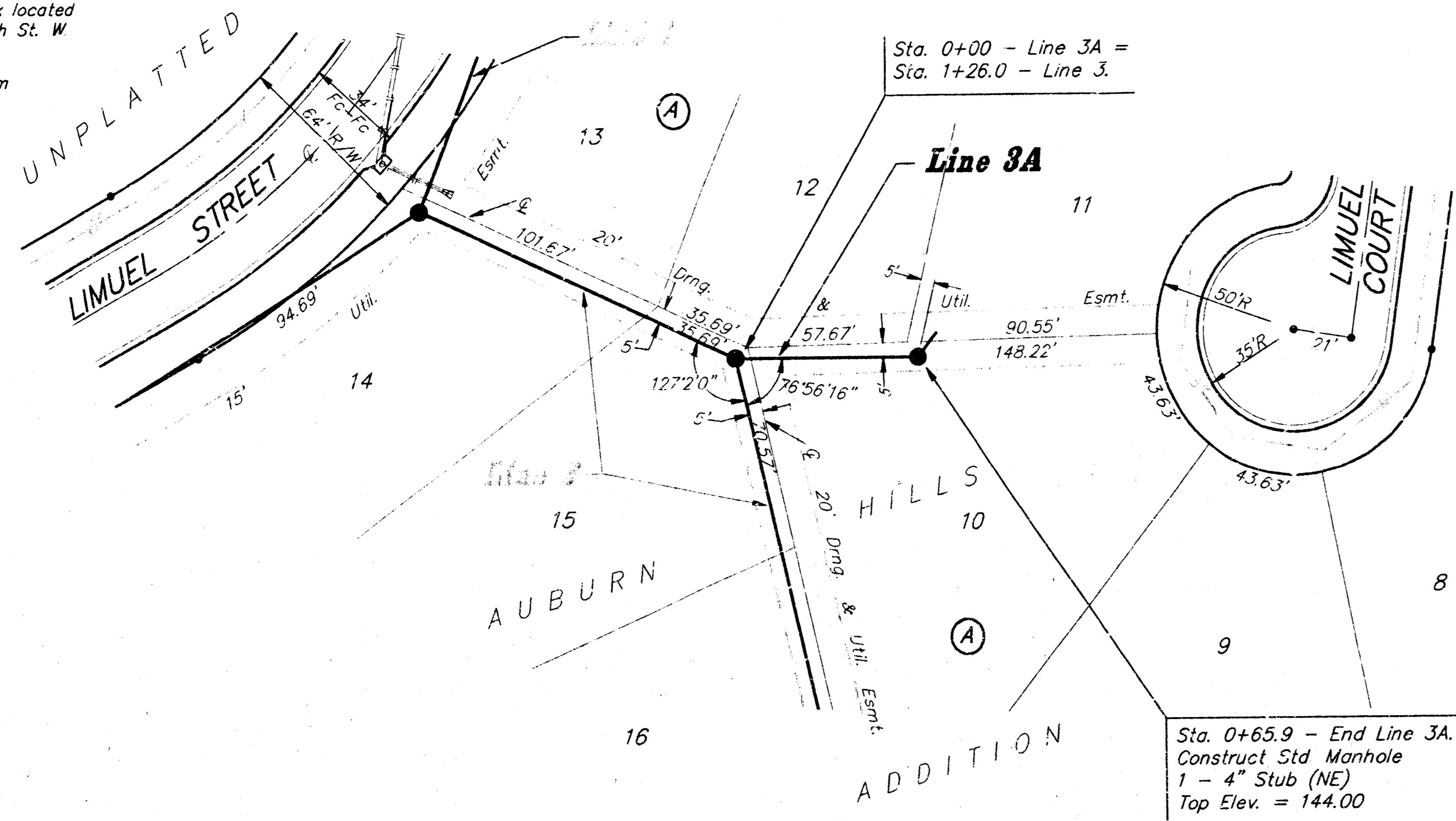
SHEET 5 OF 16

**Benchmark:**

"□" N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 825'± West of Q of Forestview.  
Elev. = 141.00 City Datum

City Of Wichita Bench Mark located on the headwall at the NE Corner of the Intersection of 135th St. W and Maple.  
Elev. = 150.20 City Datum

City Of Wichita Bench Mark located 34' East of the Q of 135th St. W 1/2 mile South of Maple.  
Elev. = 156.63 City Datum



Auburn Hills - Lateral 2 Cowskin Interceptor			
Line 3A & 3B			
BAUGHMAN COMPANY P. A.			
ENGINEERING & SURVEYING			
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PROJECT NUMBER			SHEET
468-76-245-82389-000-001			6
DATE			OF
5/18/94			16
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DY	GD		Noted

**Benchmark:**

"□" N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 825'± West of C of Forestview.  
Elev. = 141.00 City Datum

City Of Wichita Bench Mark located on the headwall at the NE Corner of the intersection of 135th St. W and Maple.  
Elev. = 150.20 City Datum

City Of Wichita Bench Mark located 34' East of the C of 135th St. W 1/2 mile South of Maple.  
Elev. = 156.63 City Datum

NOTE: Contractor to remove Hedge Row only as necessary for construction of this project.

Caution: Existing Underground Utilities crossing. Contractor to Verify locations.

Sta. 0+00 - Line 4 Connect to existing manhole, and extend 8" Line to the Northwest.

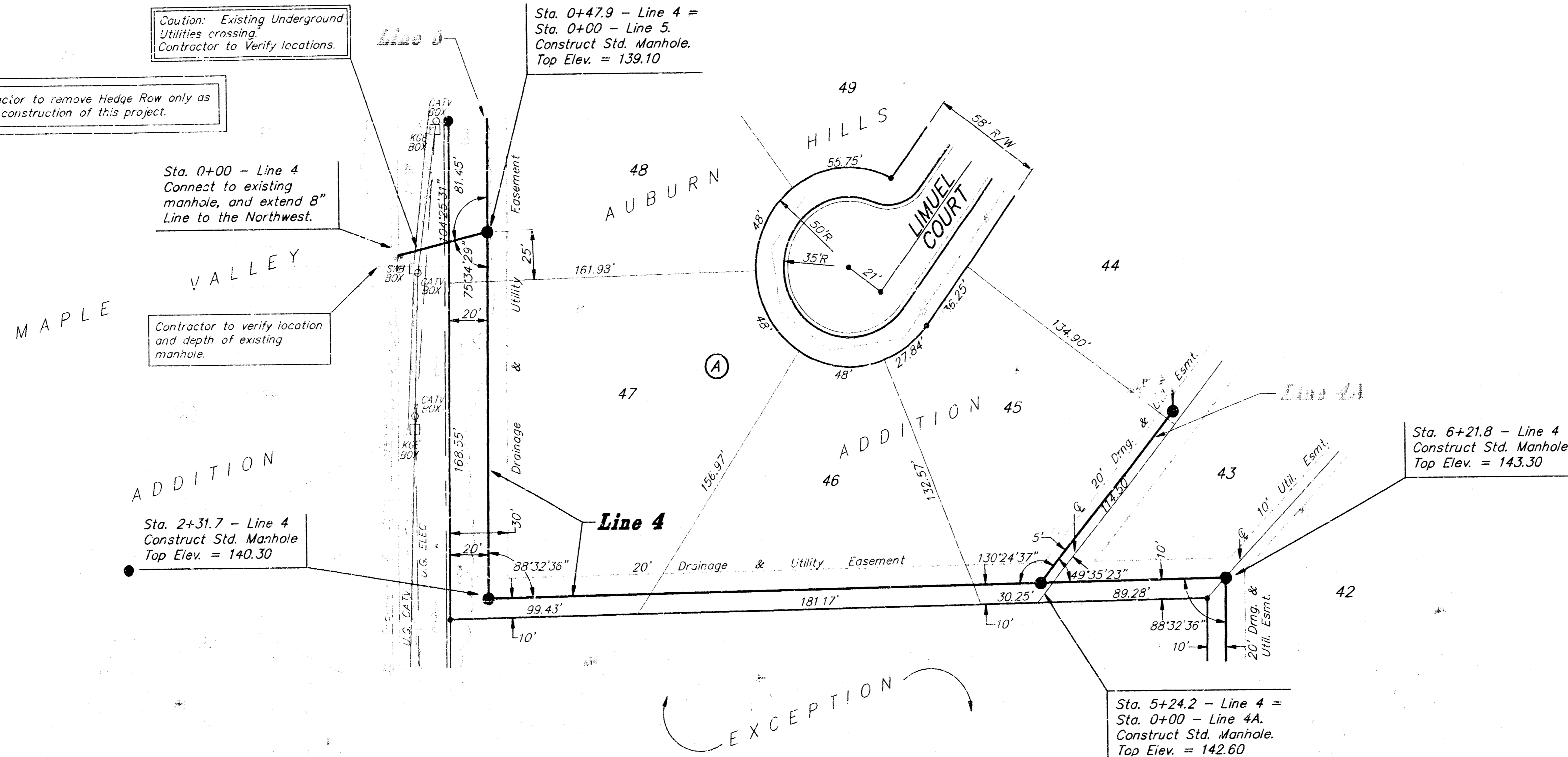
Contractor to verify location and depth of existing manhole.

Sta. 2+31.7 - Line 4 Construct Std. Manhole Top Elev. = 140.30

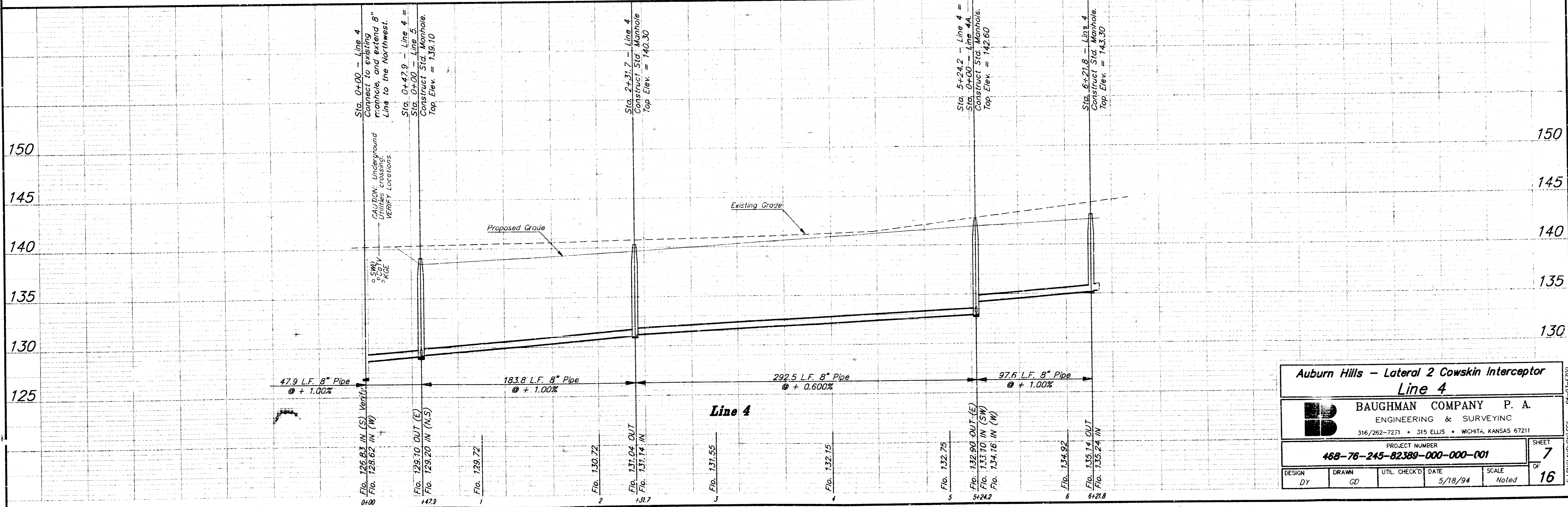
Sta. 0+47.9 - Line 4 = Sta. 0+00 - Line 5. Construct Std. Manhole. Top Elev. = 139.10

Sta. 5+24.2 - Line 4 = Sta. 0+00 - Line 4A. Construct Std. Manhole. Top Elev. = 142.60

Sta. 6+21.8 - Line 4 Construct Std. Manhole. Top Elev. = 143.30



SCALE:  
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1" = 5' Vert.  
• = Iron



**Auburn Hills - Lateral 2 Cowskin Interceptor Line 4**

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

PROJECT NUMBER  
**468-76-245-82389-000-000-001**

DESIGN: DY    DRAWN: GD    UTIL CHECK'D:    DATE: 5/18/94    SCALE: Noted    SHEET OF: 7 OF 16

**Benchmark:**

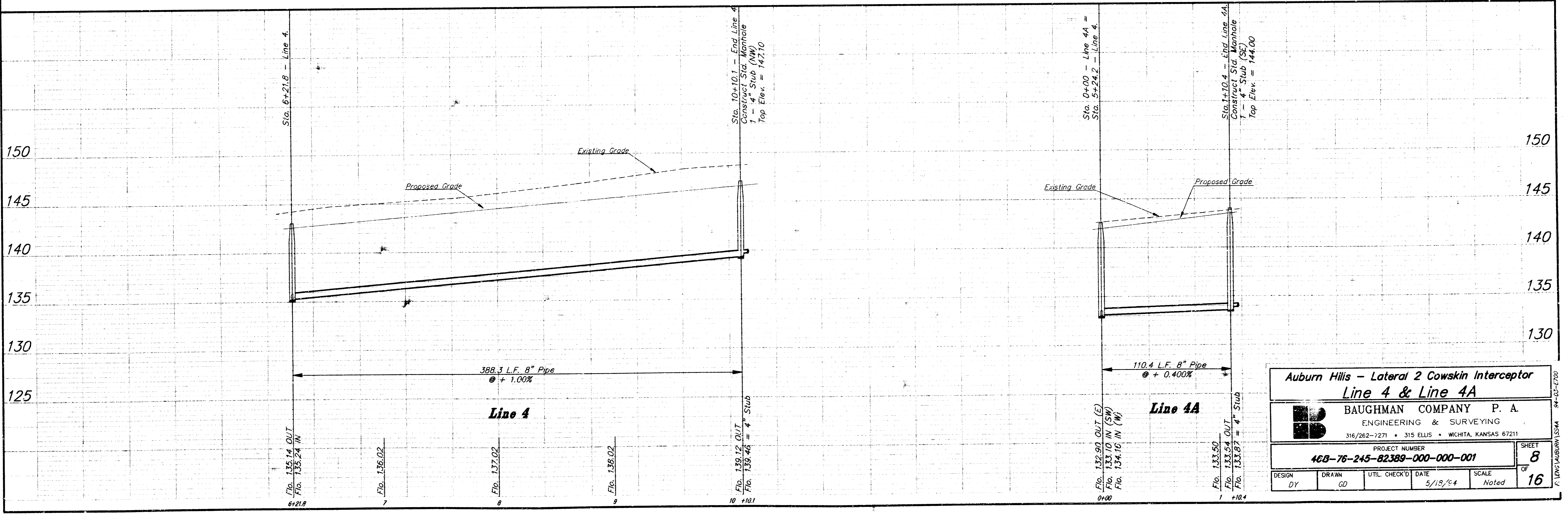
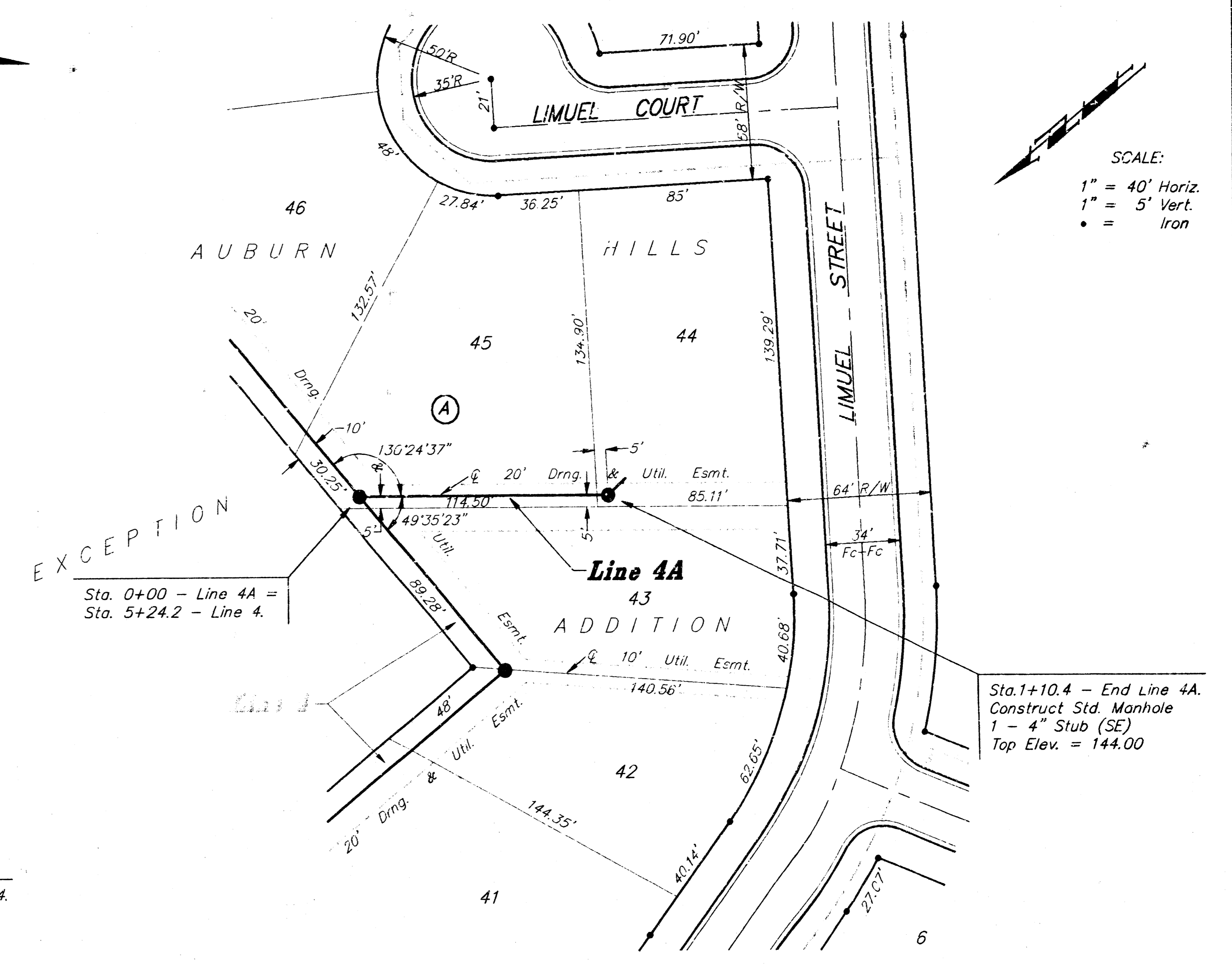
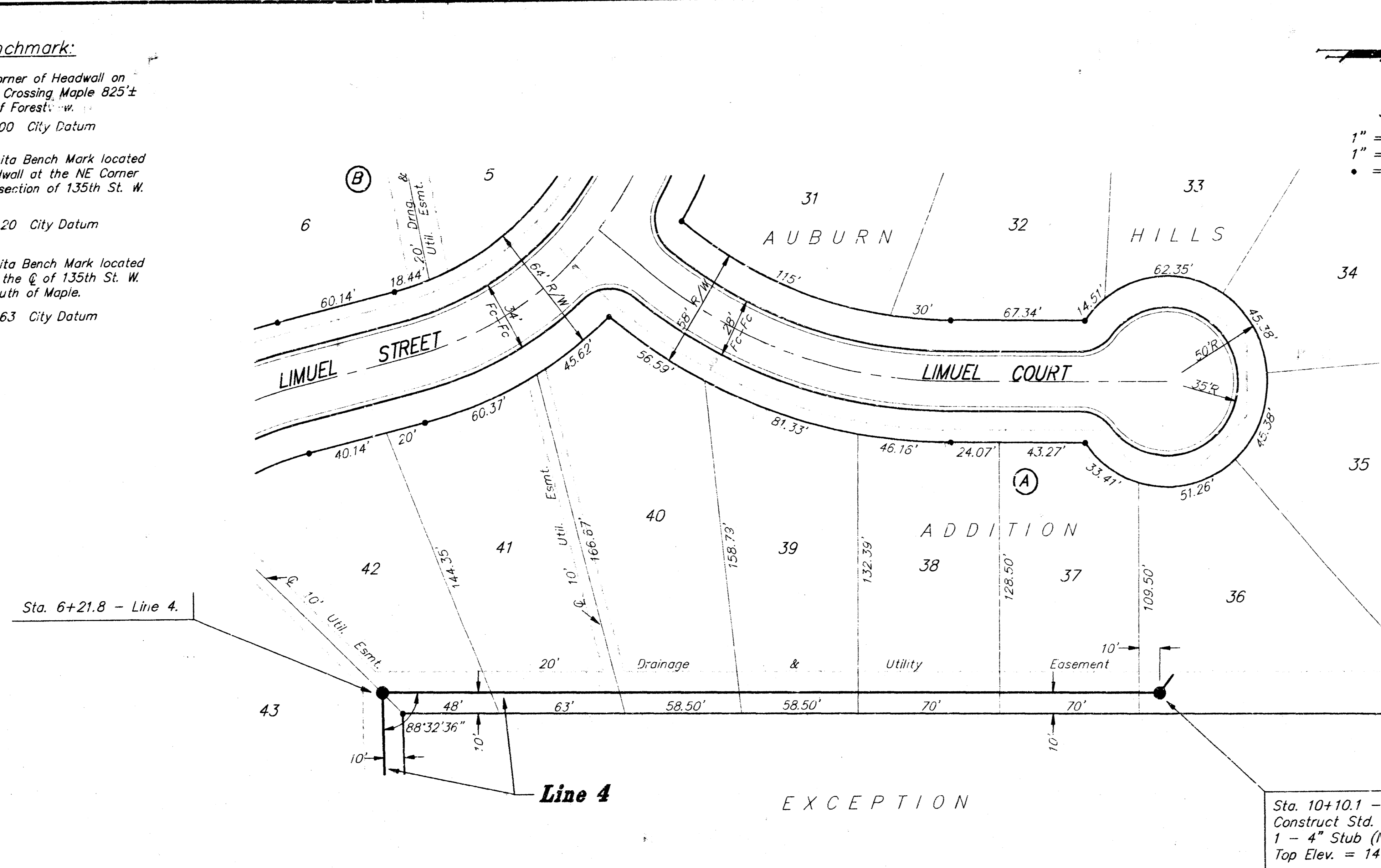
"□" N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 825± West of E of Forest. W. Elev. = 141.00 City Datum

1/4" of Wichita Bench Mark located on the headwall at the NE Corner of the Intersection of 135th St. W. and Maple. Elev. = 150.20 City Datum

City of Wichita Bench Mark located 34' East of the E of 135th St. W. 1/2 mile South of Maple. Elev. = 156.63 City Datum

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SCALE:  
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1" = 5' Vert.  
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**Auburn Hills - Lateral 2 Cowskin Interceptor  
Line 4 & Line 4A**

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ENGINEERING & SURVEYING  
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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DESIGN: DY    DRAWN: GD    UTIL. CHECK'D: DATE: 5/18/84    SCALE: Noted

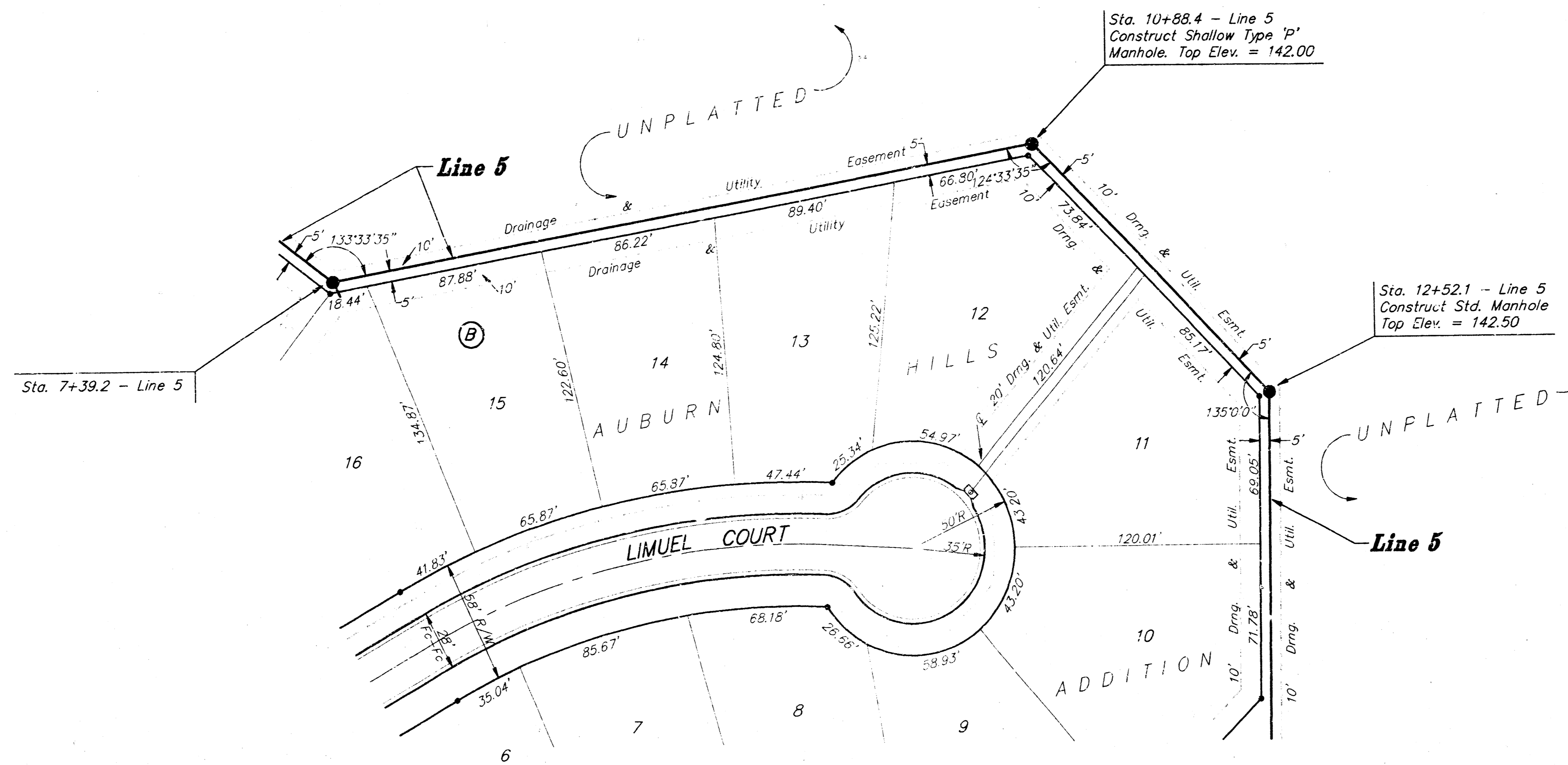
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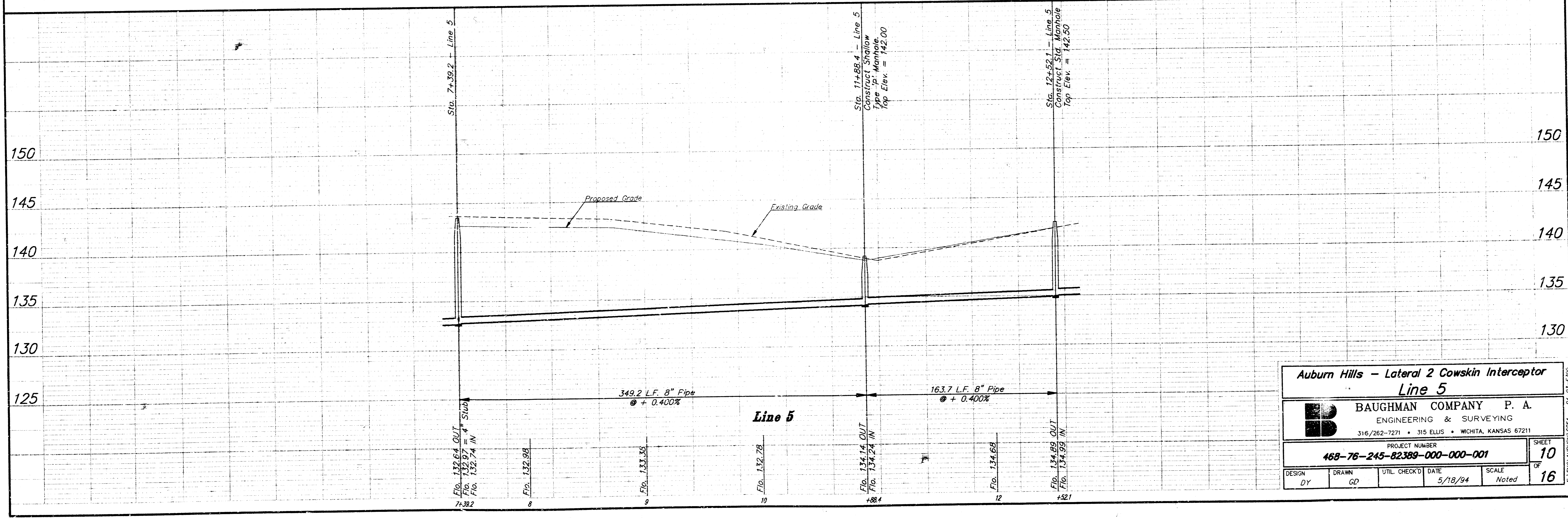
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**Auburn Hills - Lateral 2 Cowskin Interceptor  
Line 5**

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

PROJECT NUMBER  
**468-76-245-82389-000-001**

DESIGN DY	DRAWN GD	UTIL. CHECKED	DATE 5/18/94	SCALE Noted	SHEET 10 OF 16
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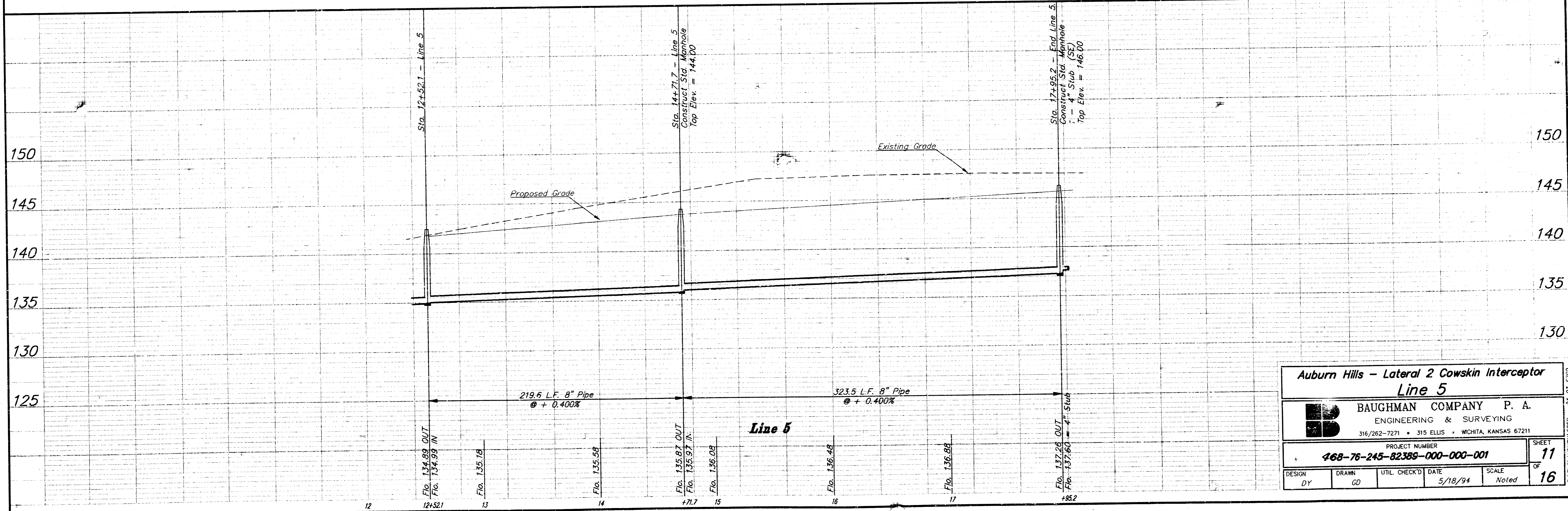
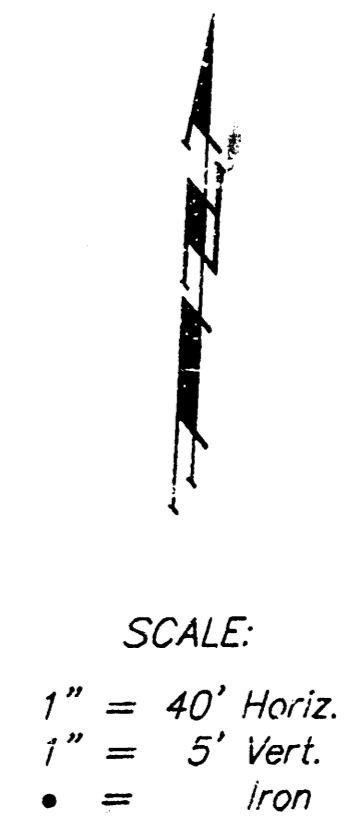
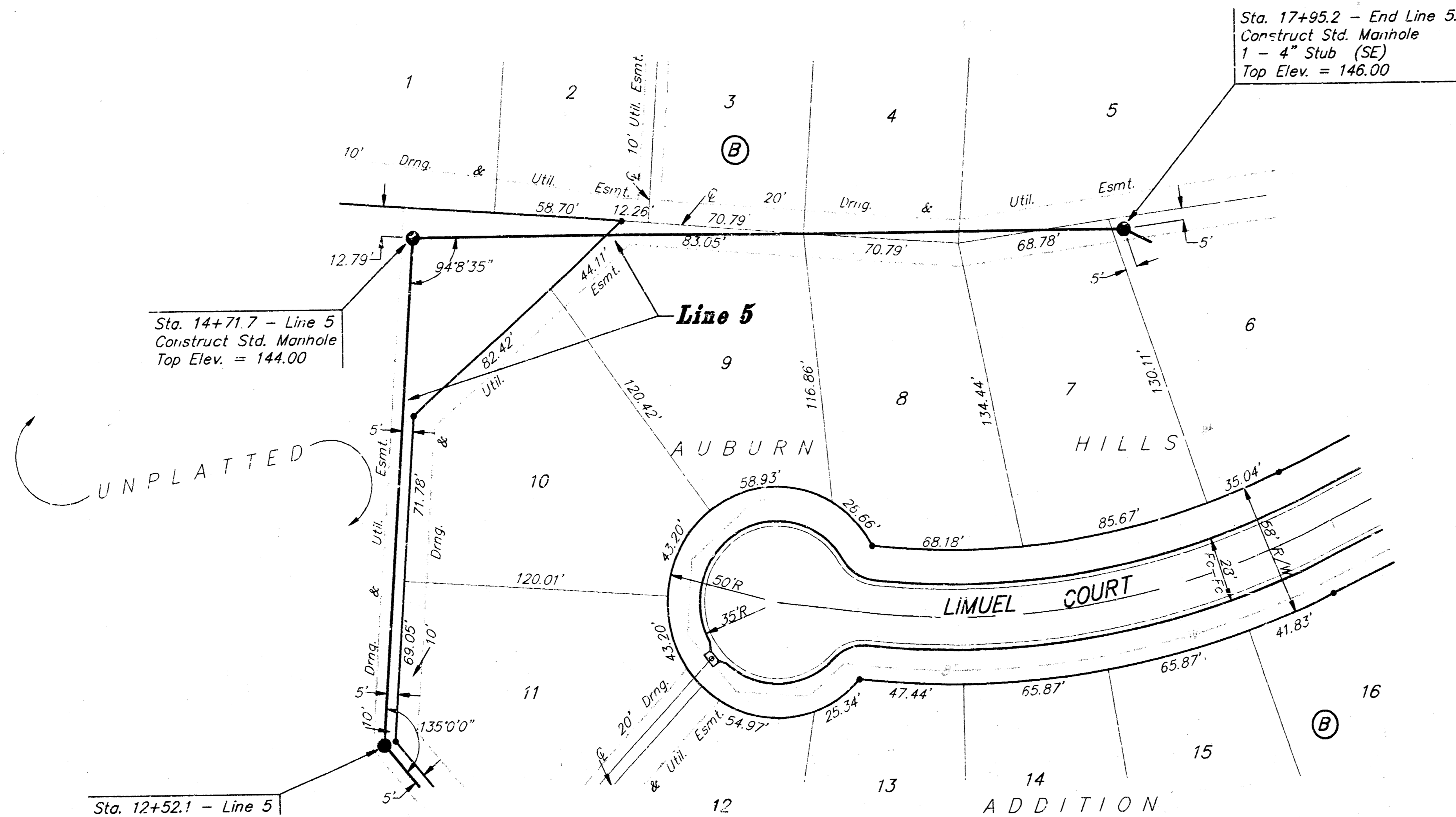
94-03-E-100  
F. LEON WILSON, L.S.S.A.

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**Auburn Hills - Lateral 2 Cowskin Interceptor  
Line 5**

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

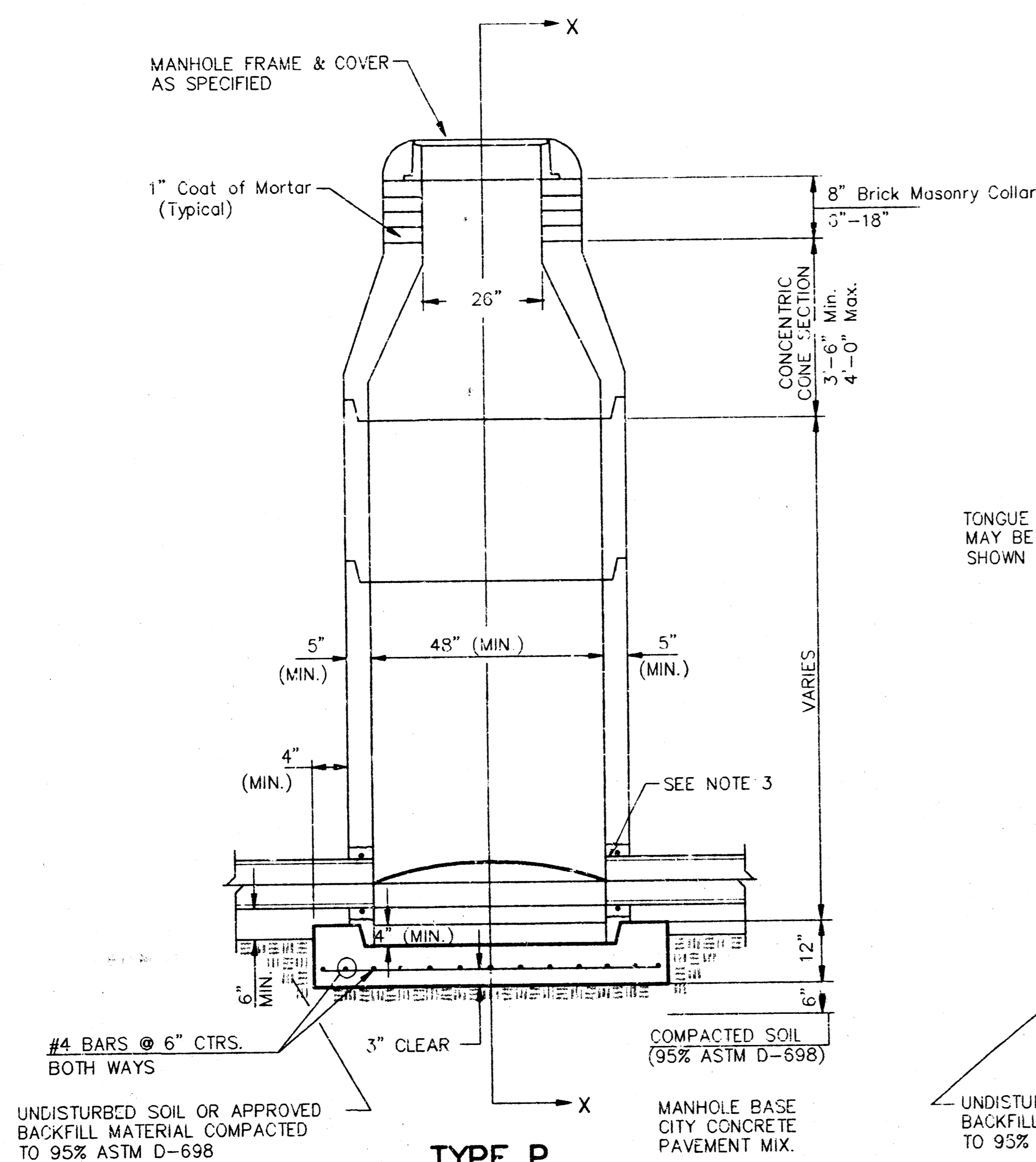
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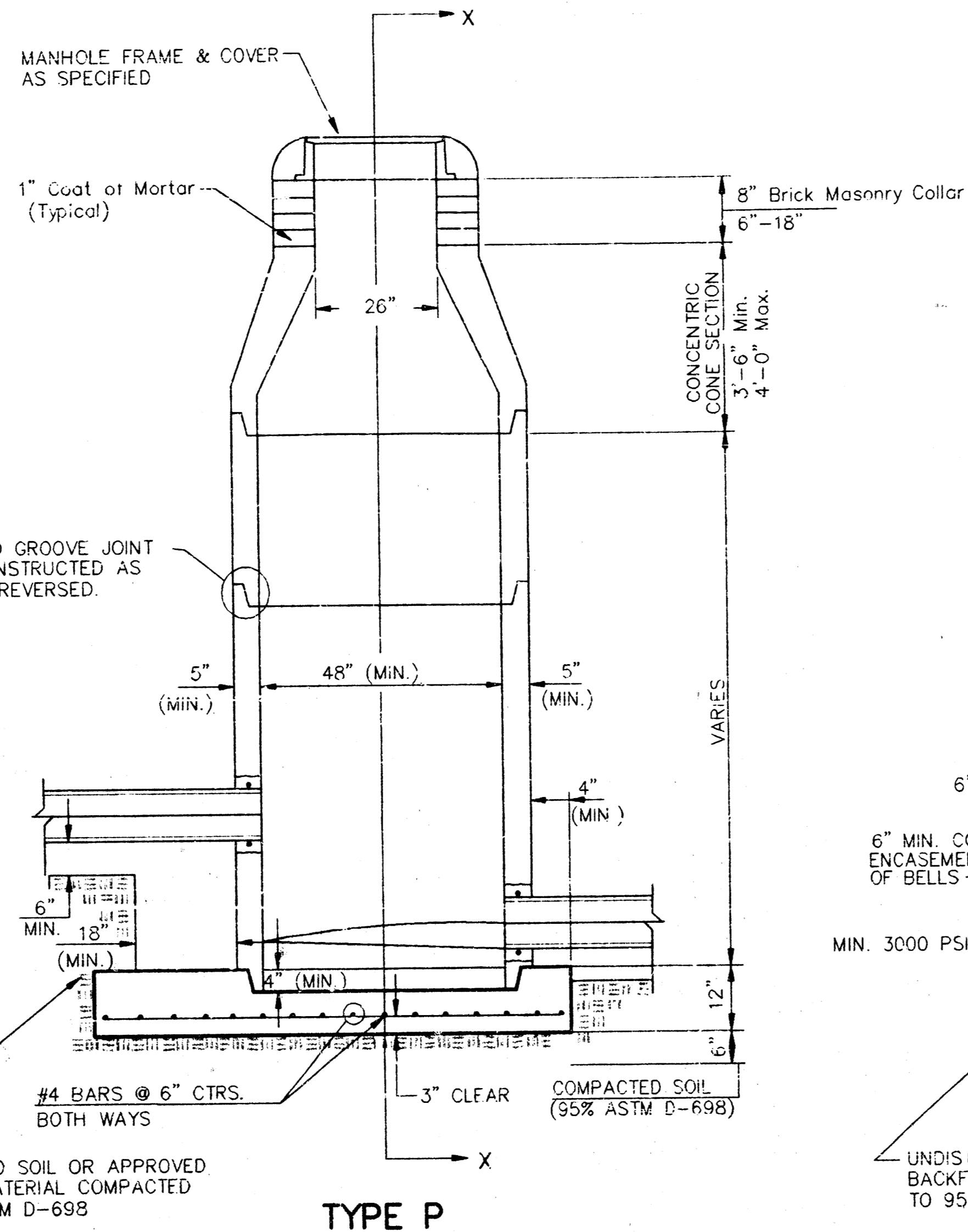
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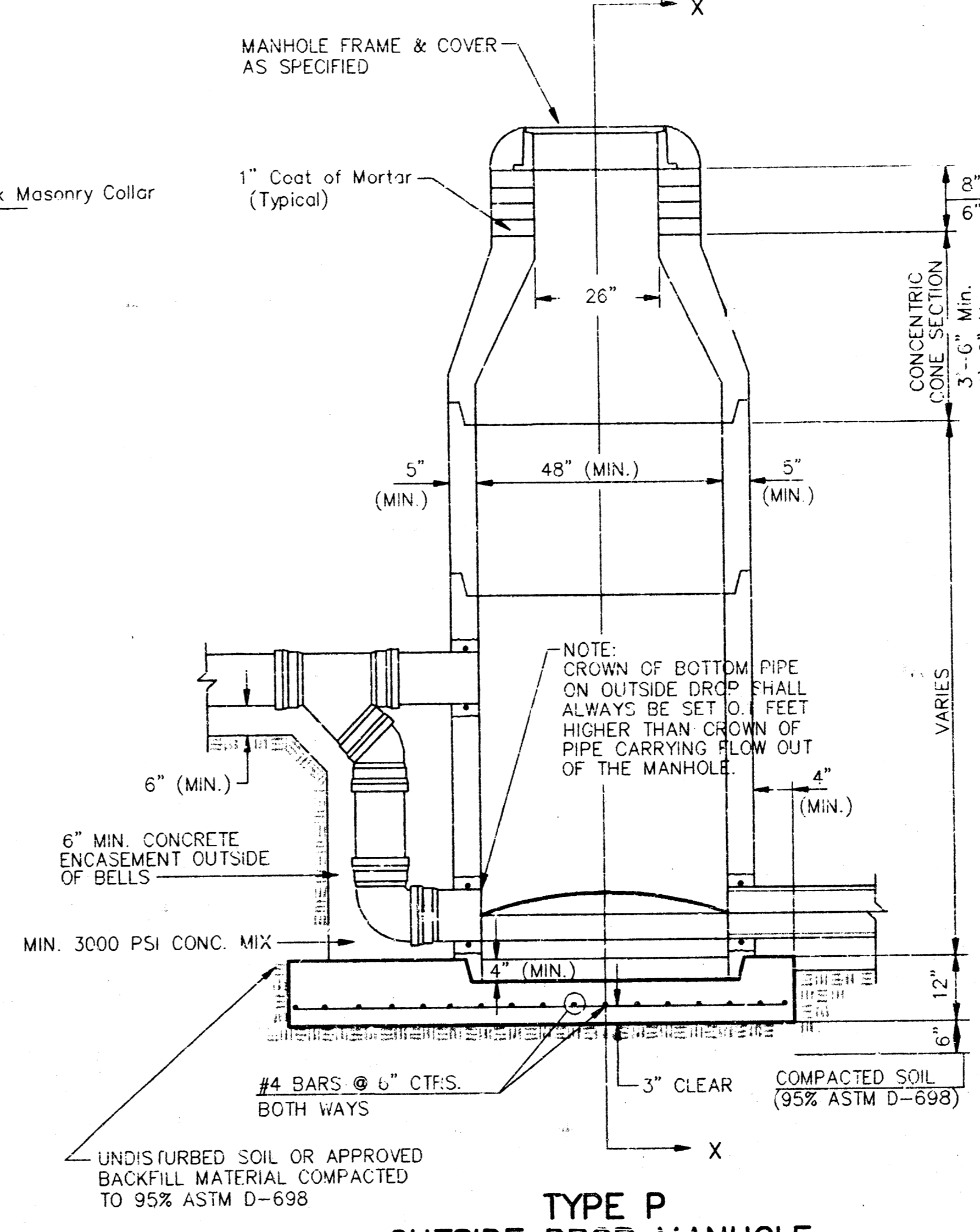
# SEWER APPURTENANCES DETAILS



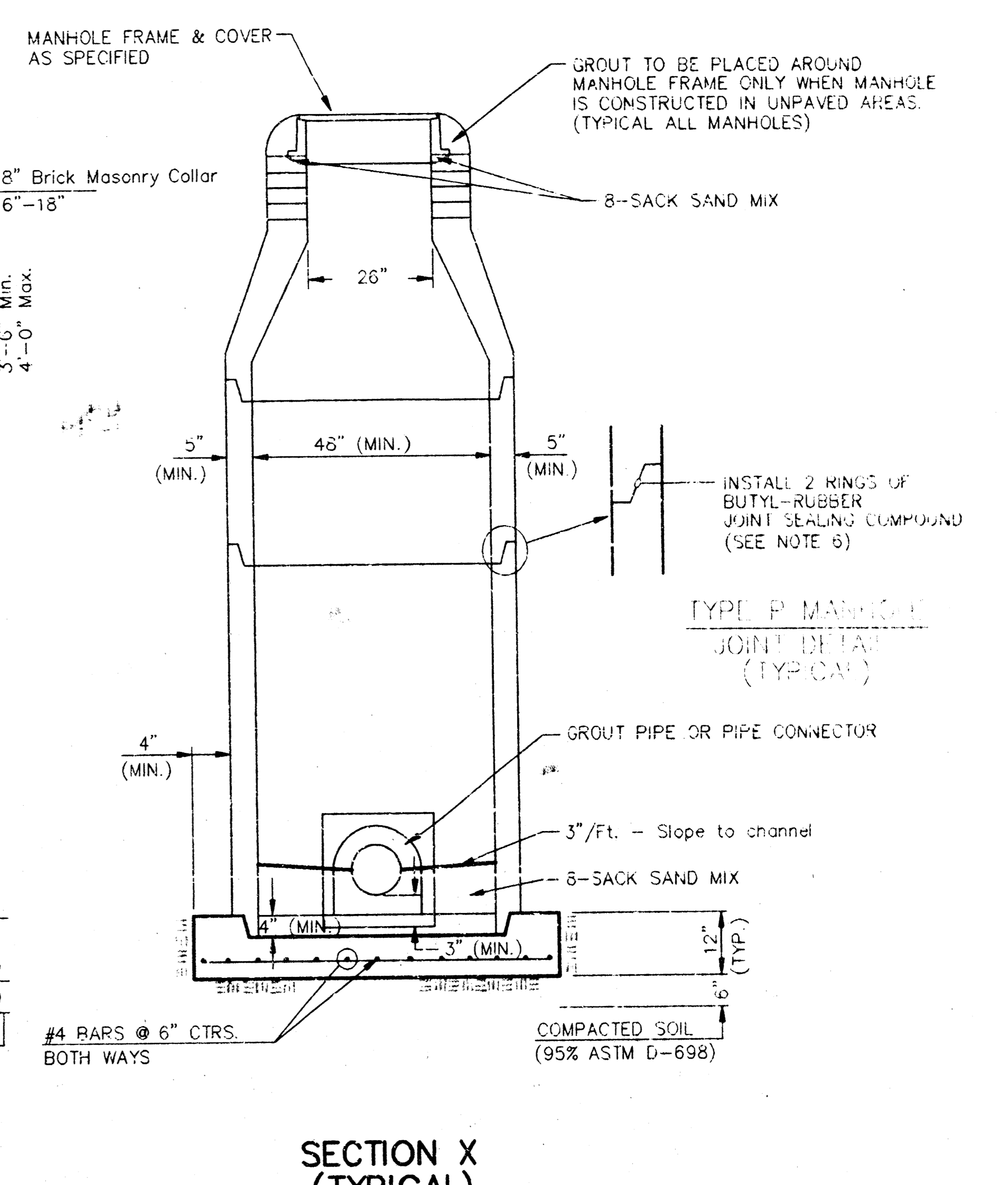
**TYPE P STANDARD MANHOLE**



**TYPE P INSIDE DROP MANHOLE**



**TYPE P OUTSIDE DROP MANHOLE**



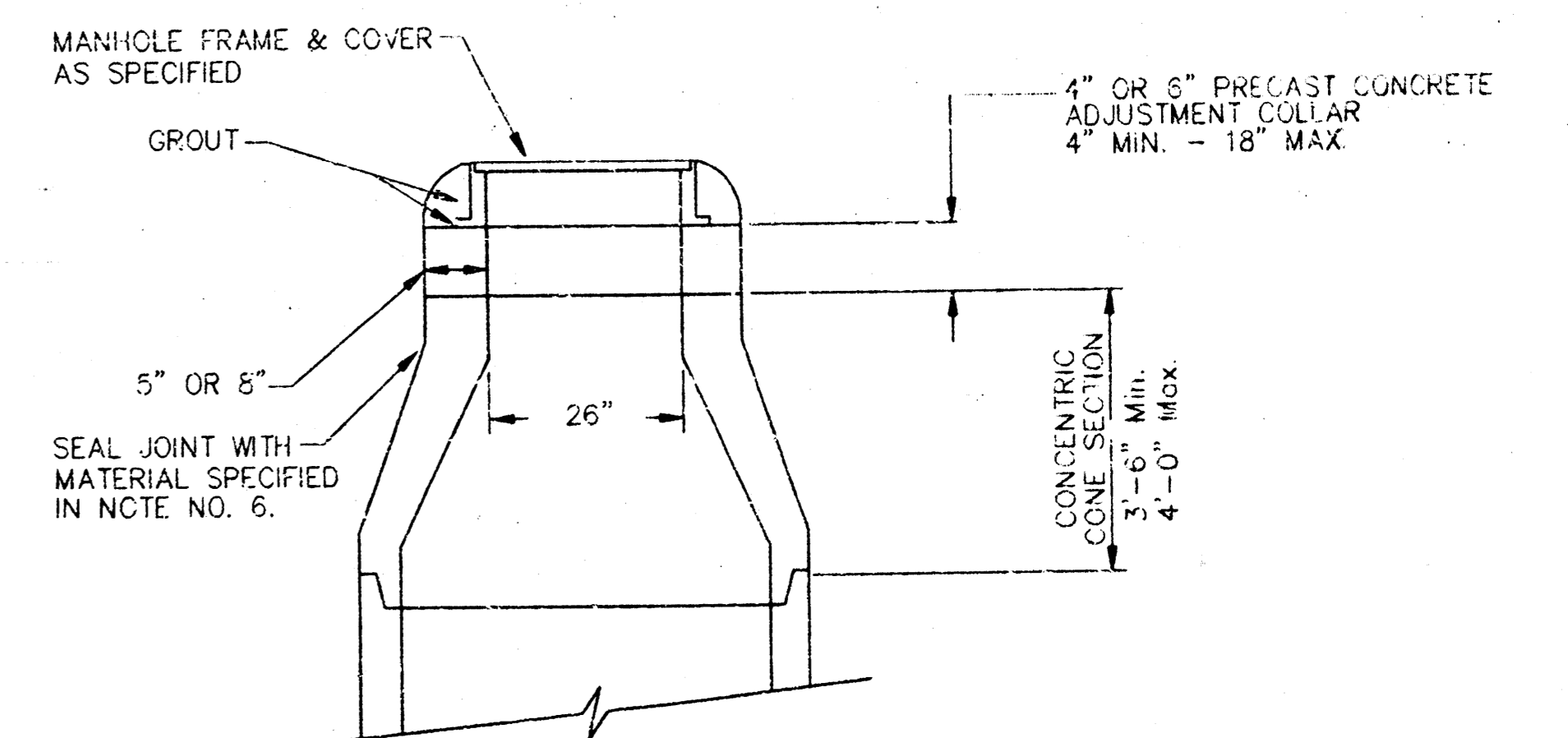
**SECTION X (TYPICAL)**

**GENERAL NOTES**  
**PRECAST MANHOLE NOTES**

- 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 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 PIPE 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 TNEPEC SERIES 66 HI-BUILD EPOXYLINE, DRY THICKNESS OF 3 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 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.

- 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 1" 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.
- 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 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.

- 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.



**ALTERNATE CONSTRUCTION IN UNPAVED AREAS**

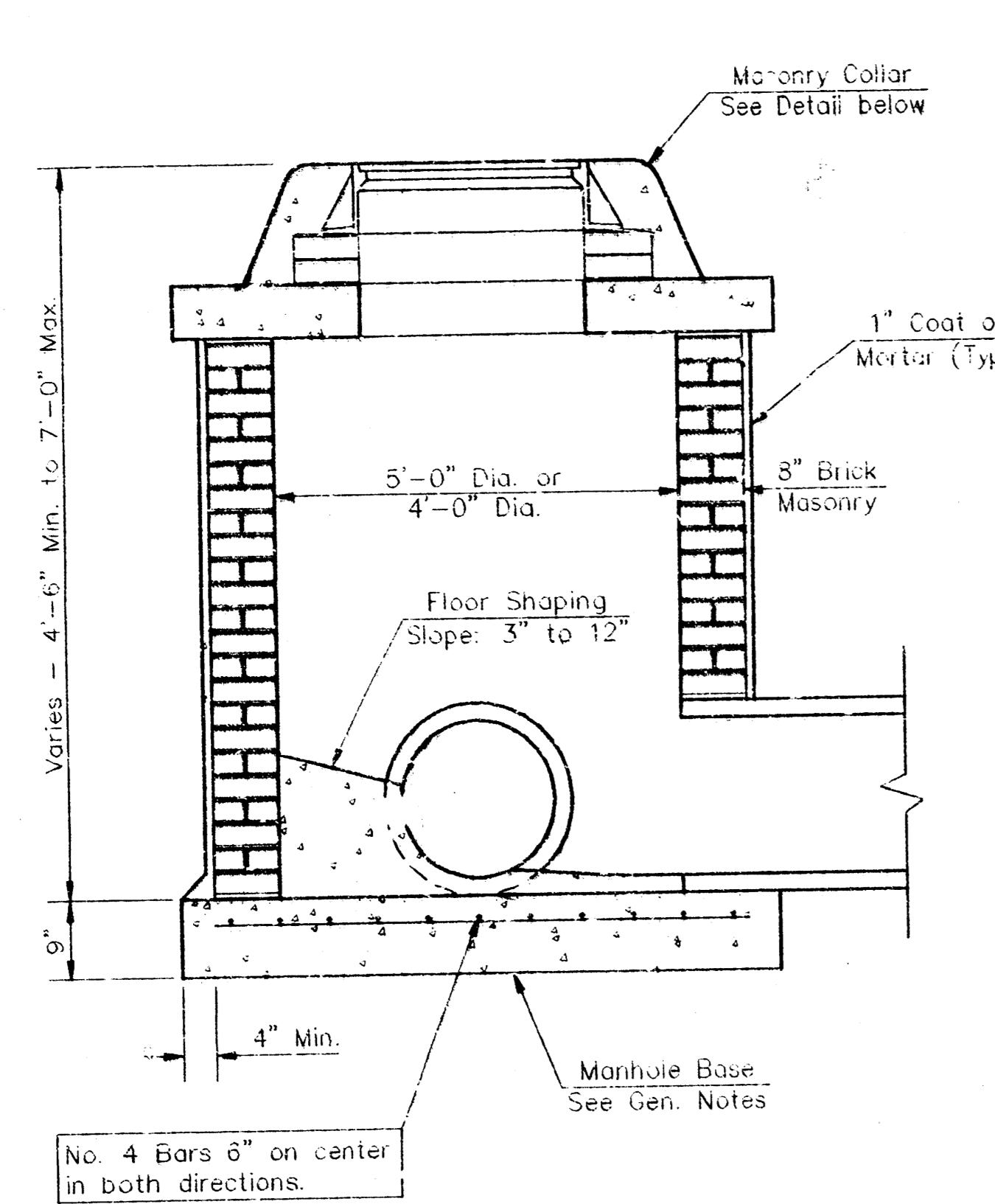
**CITY OF WICHITA, KANSAS**  
**STANDARD MANHOLE DETAILS**  
**SEWER APPURTENANCES DETAILS**

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

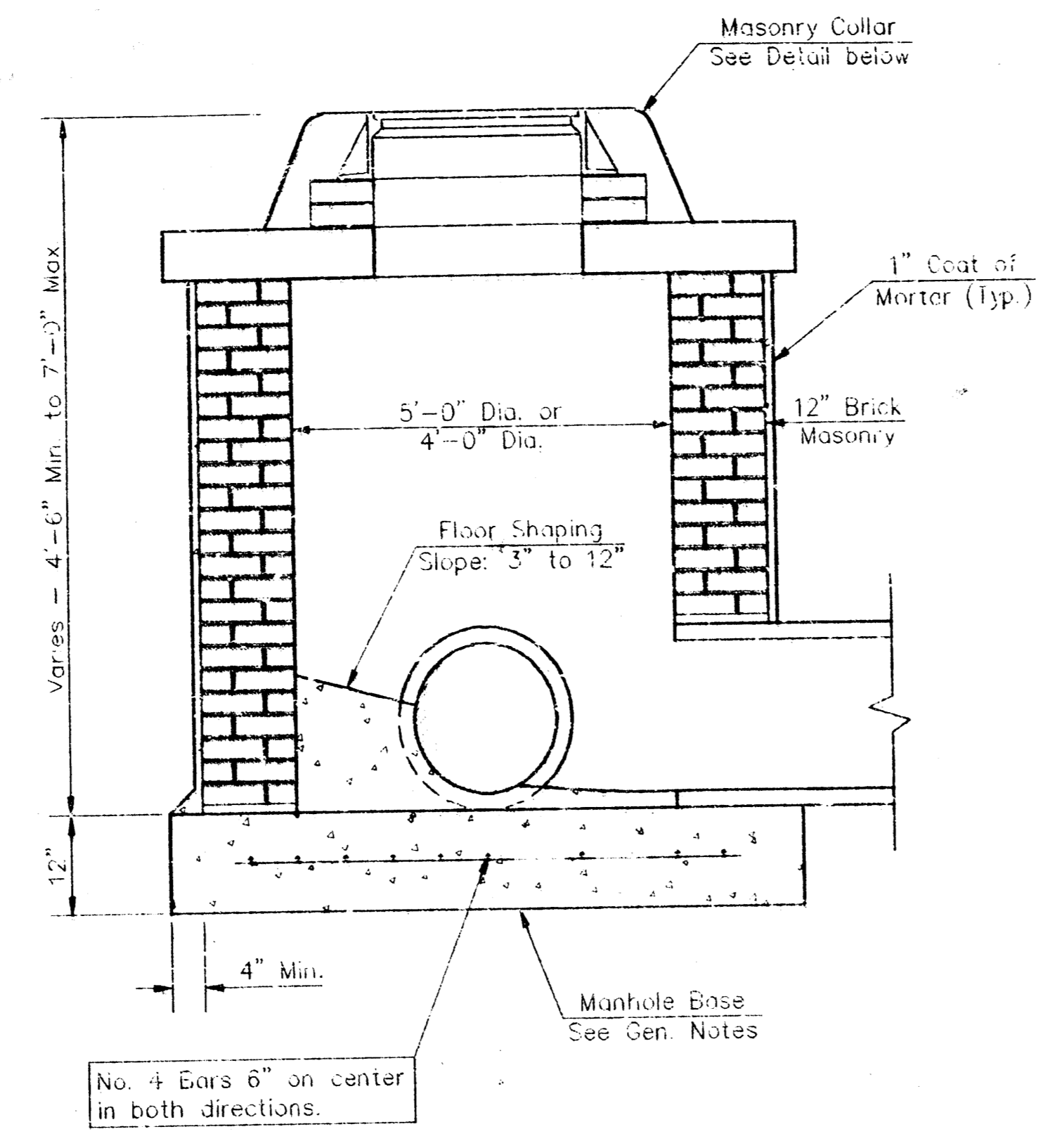
PROJECT NUMBER  
468 76 245 82389 000 000 001

DESIGN	DRAWN	APPROVED	DATE	SCALE
			05-10-94	

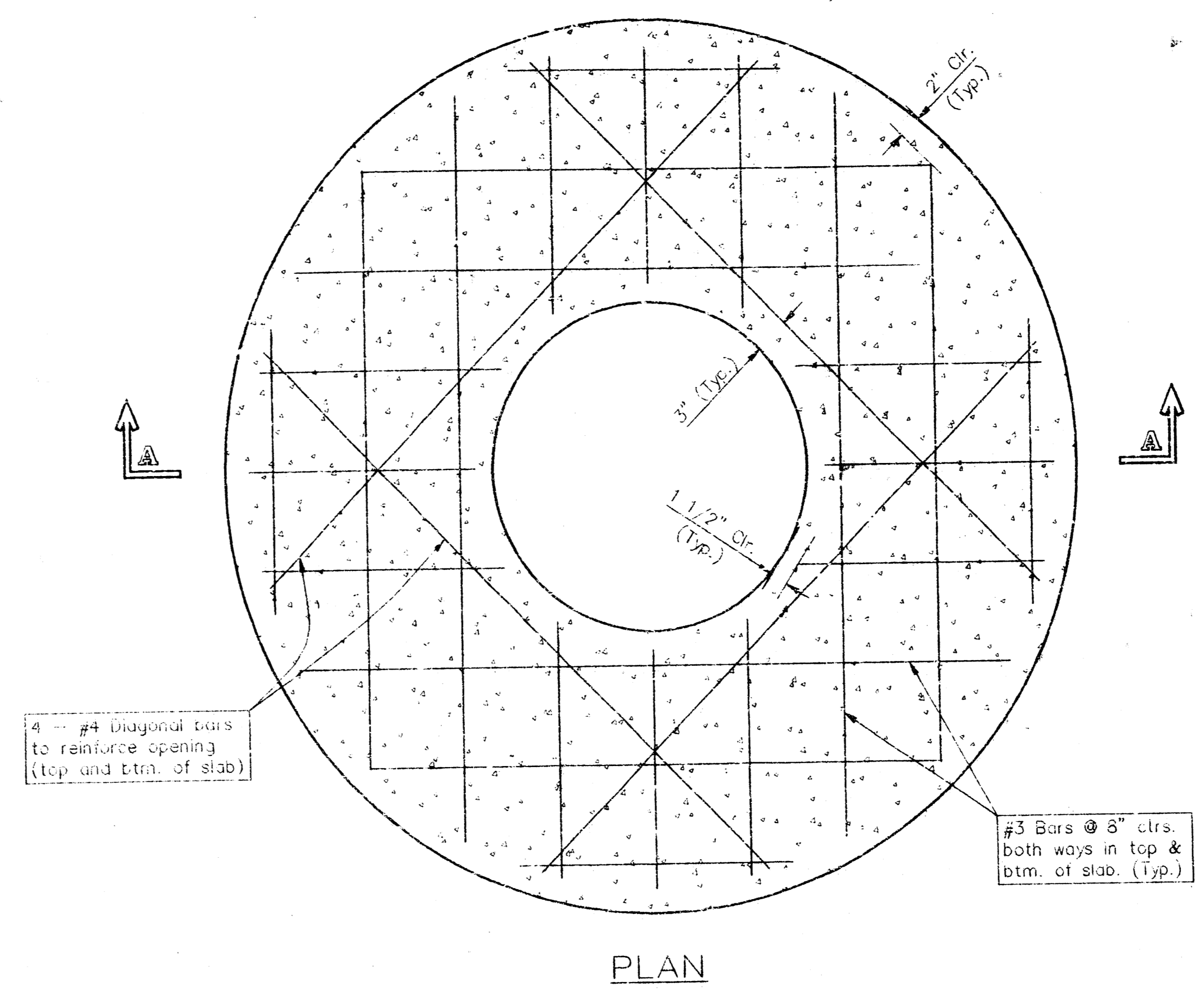
NOV. 1993  
SHEET 12 OF 16



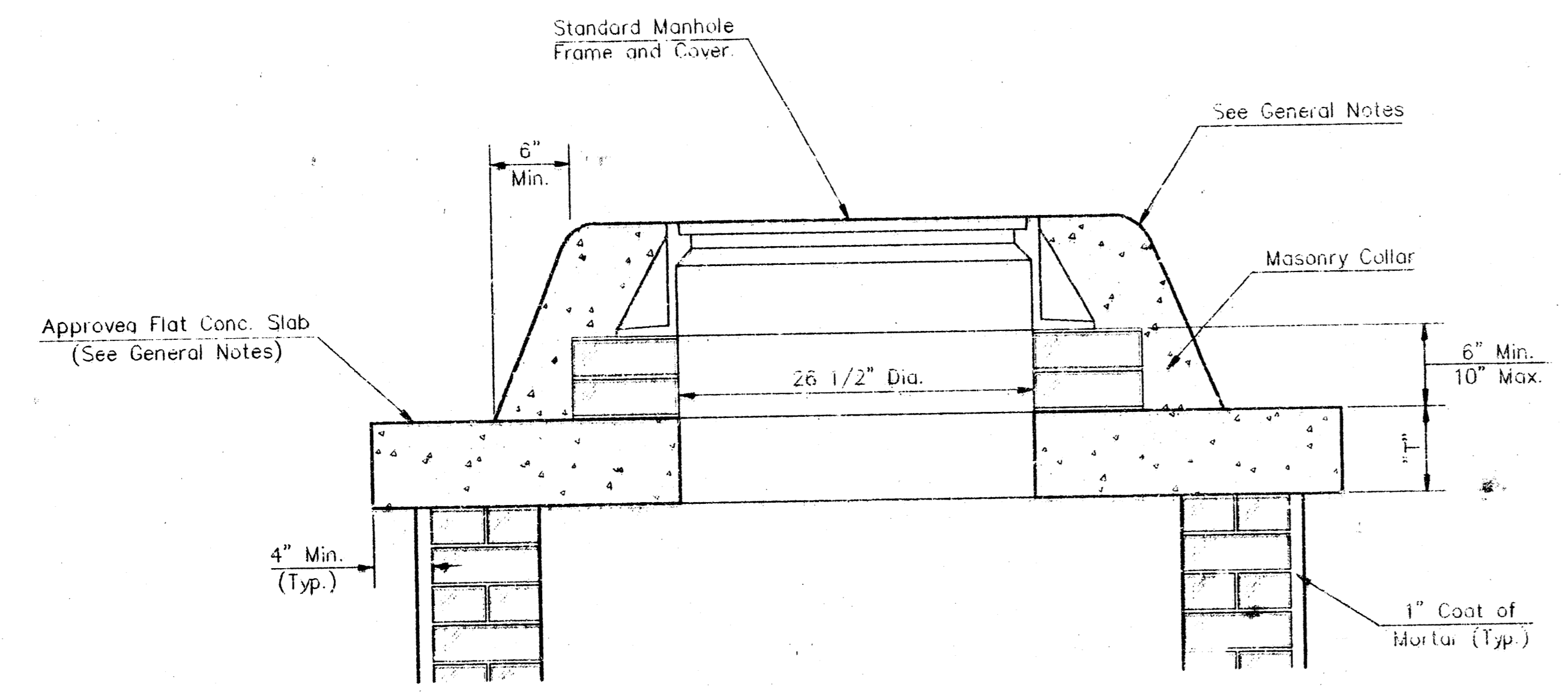
**SHALLOW TYPE "A" MANHOLE**



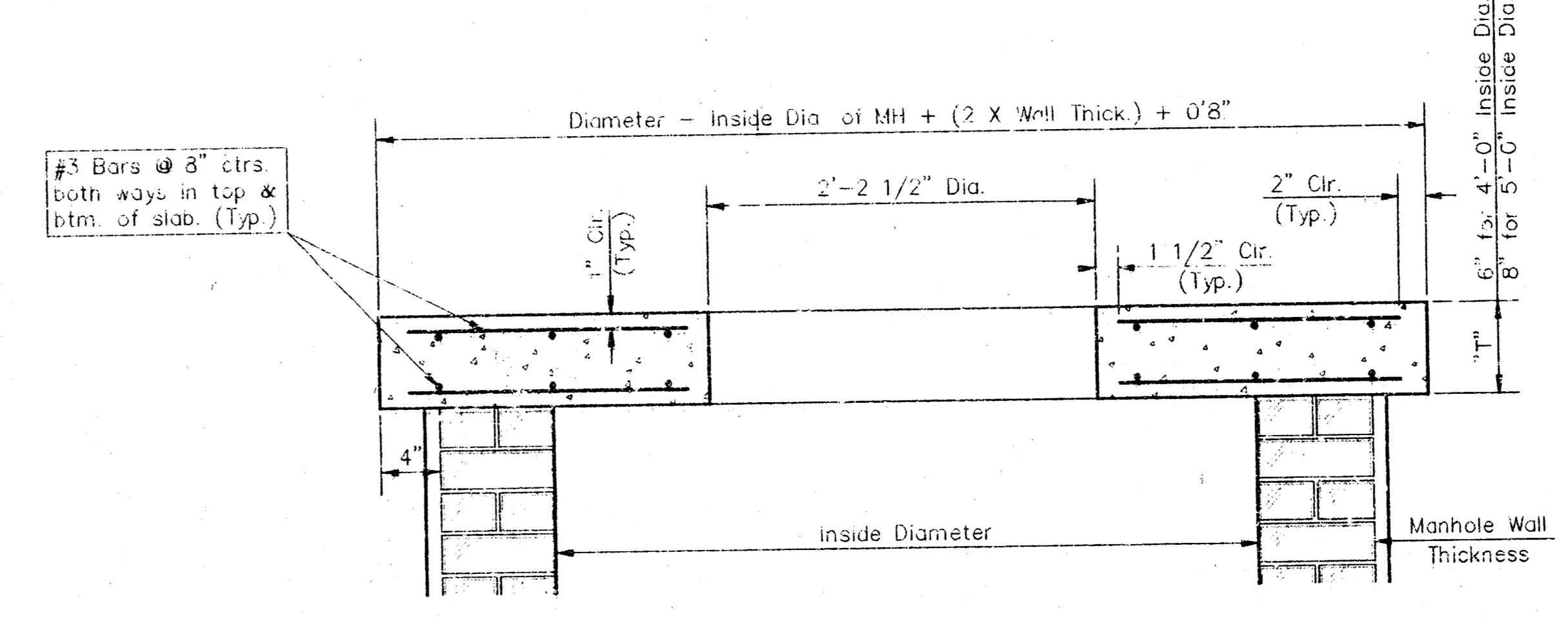
**SHALLOW TYPE "B" MANHOLE**



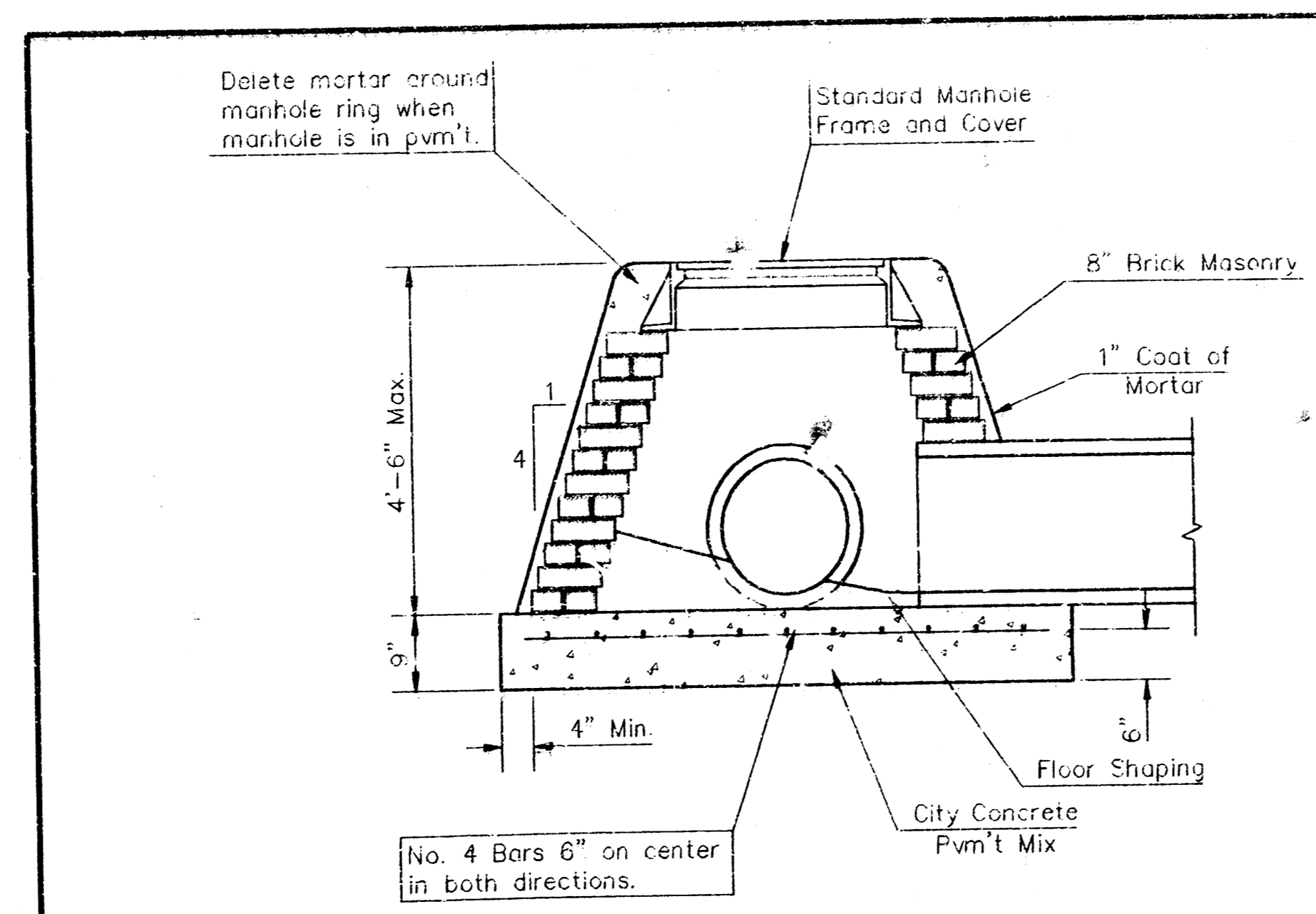
**PLAN**



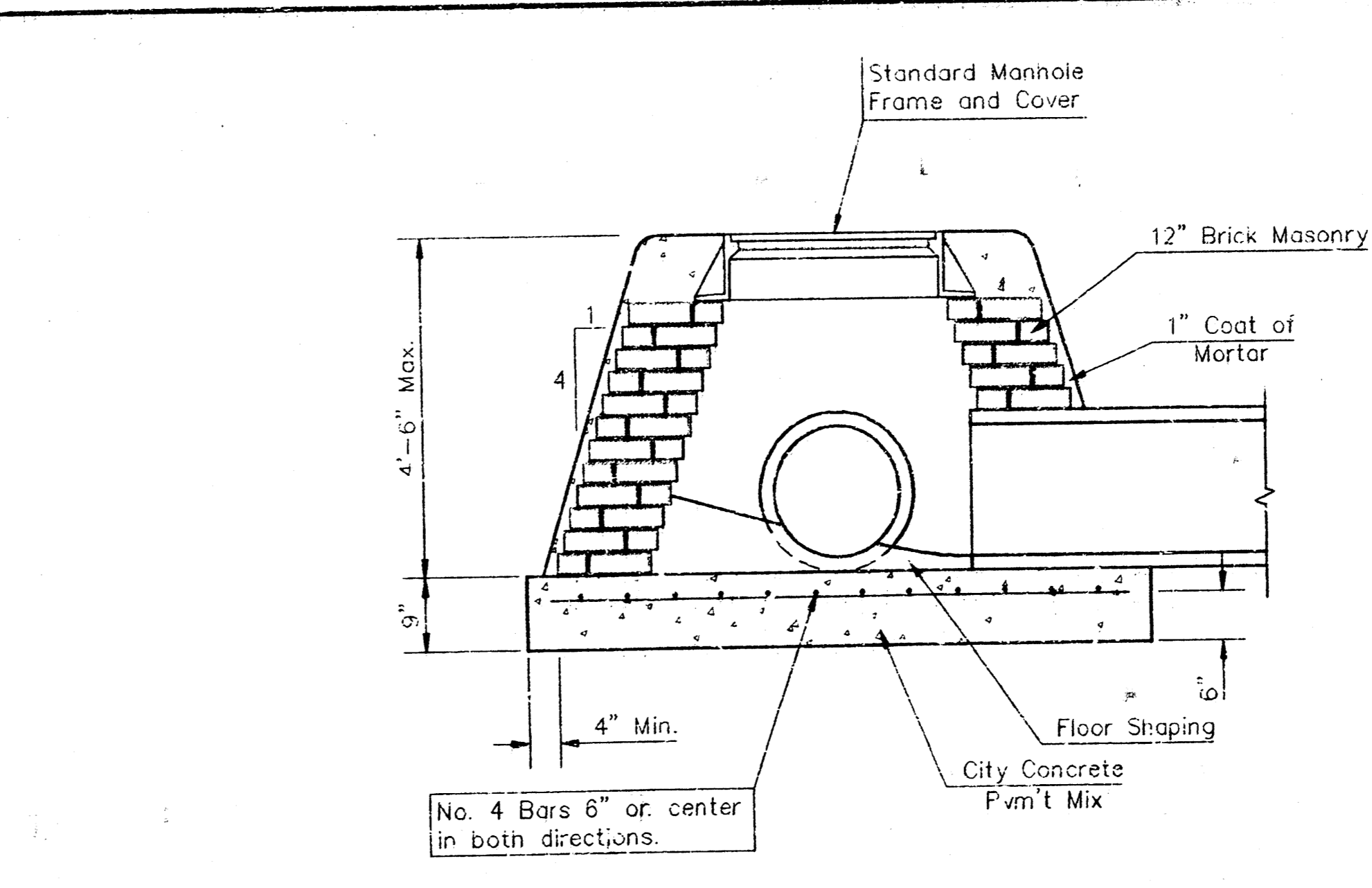
**MASONRY COLLAR DETAIL**



**FLAT CONCRETE SLAB DETAILS**



**SPECIAL SHALLOW TYPE "A" MANHOLE**



**SPECIAL SHALLOW TYPE "B" MANHOLE**

**GENERAL NOTES**

- 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 admixtures. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Type "A" shallow manholes can be used on sewers when the manhole is not located within public street pavement. 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 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.
- 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 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.
- 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.
- 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.
- The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
- Standard shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type and diameter indicated. Standard special shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
- All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.

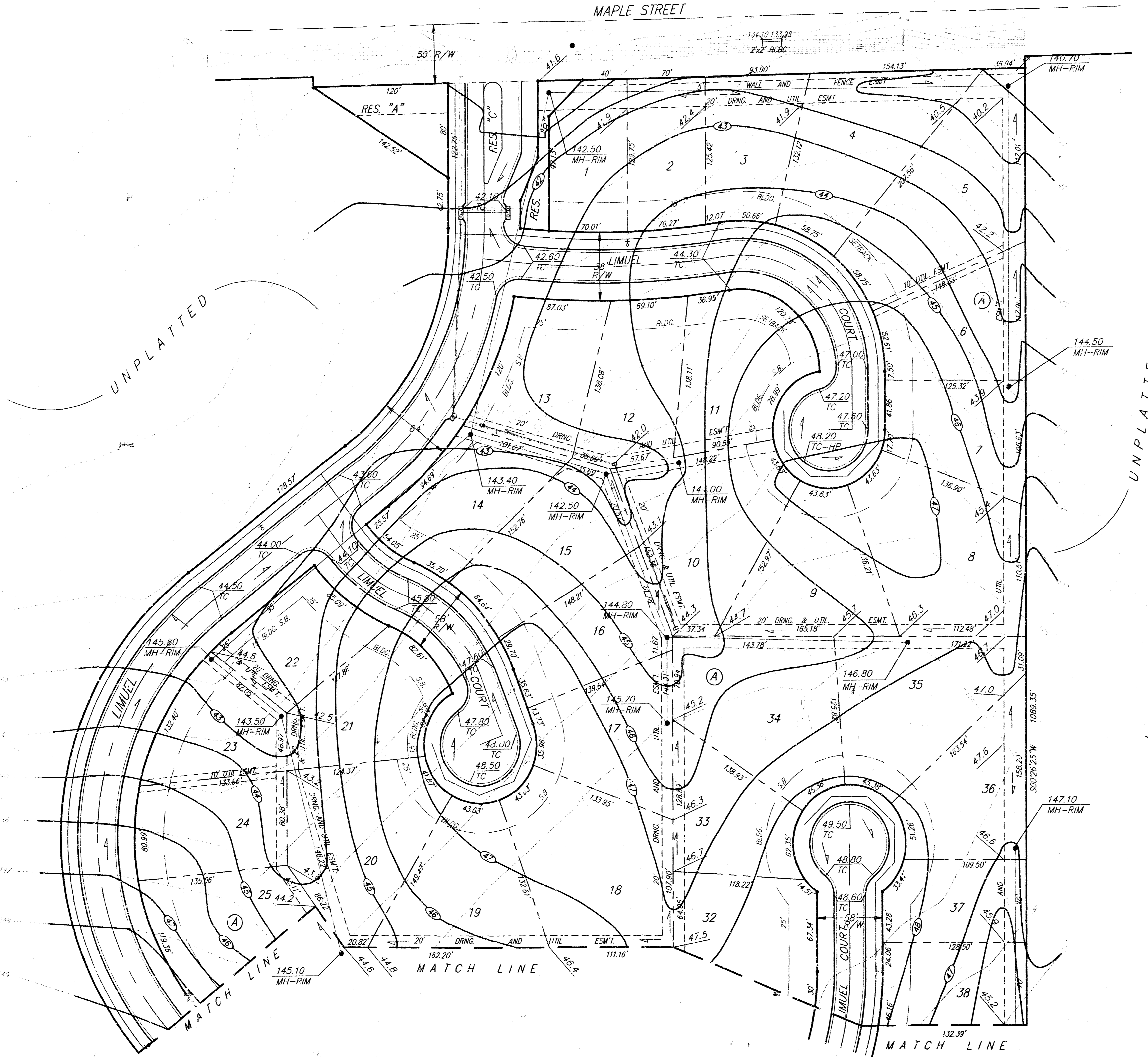
**CITY OF WICHITA, KANSAS**  
**STANDARD SHALLOW MANHOLES**  
**TYPE 'A' AND TYPE 'B'**

PROJECT NUMBER 468 76 245 82389 000 000 001	SHEET / OF 13 / 16
<b>BAUGHMAN COMPANY</b> P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211	

**Benchmark:**  
 "□" N.W. Corner of headwall on the R.C.B.C. Crossing Maple Street West of E of Forestview.  
 Elev. = 141.00 City Datum

City Of Wichita Bench Mark located on the headwall at the NE Corner of the intersection of 135th St. W. and Maple.  
 Elev. = 159.20 City Datum

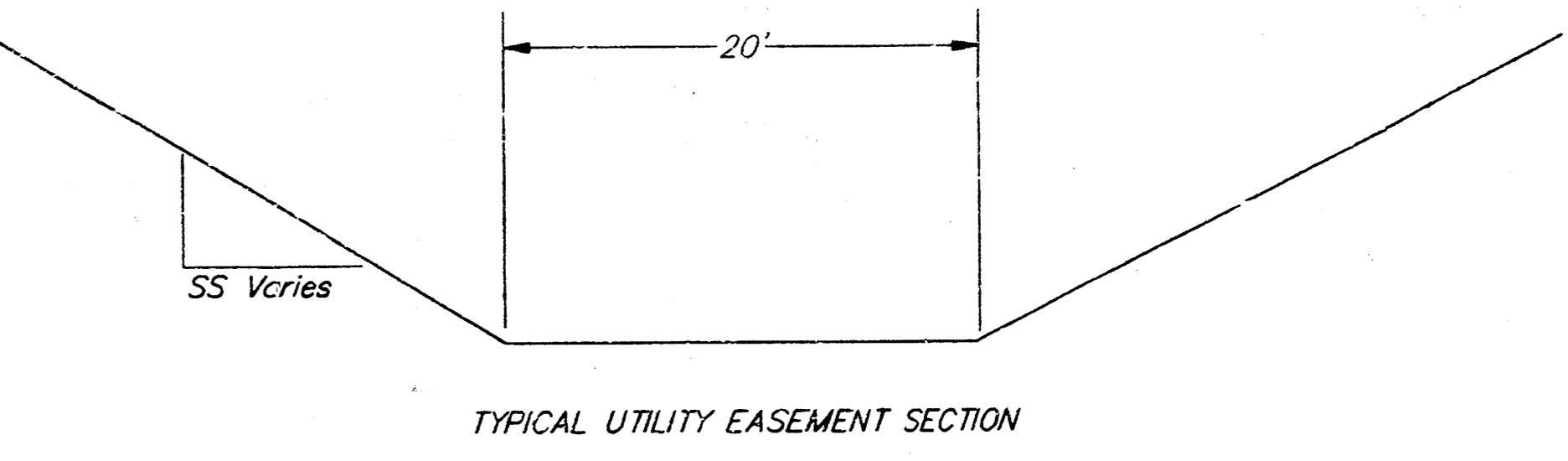
City Of Wichita Bench Mark located 3/4" East of the E of 135th St. W. 1/2 mile South of Maple.  
 Elev. = 156.63 City Datum



SCALE: 1" = 50'

**NOTES:**  
 ALL LOTS AND EASEMENTS TO BE FINAL GRADED TO THE CONTOURS INDICATED.  
 ALL AREAS WITHIN THE PLAN, INCLUDING THE STREET RIGHT OF WAYS, TO BE SEEDED AS PER CITY SPECS.  
 ALL EXCESS EXCAVATION TO BE RETAINED WITHIN THE LOCAL ADJACENT AREA TO THE SITE. CONTRACTOR TO CONTACT J.W. RUSSELL (722-2417) TO DESIGNATE LOCATION OF STOCKPILE AREA.  
 EXPORT EXCAVATION MATERIAL FROM SITE = 1,190 C.Y.  
 SEEDING AREA = 25 ACRES

--- = EXISTING CONTOUR ELEVATION  
 (A) --- = FINAL CONTOUR



AUBURN HILLS ADDITION  
**GRADING PLAN**  
 LOT & EASEMENT

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

PROJECT NUMBER \_\_\_\_\_ SHEET **14**

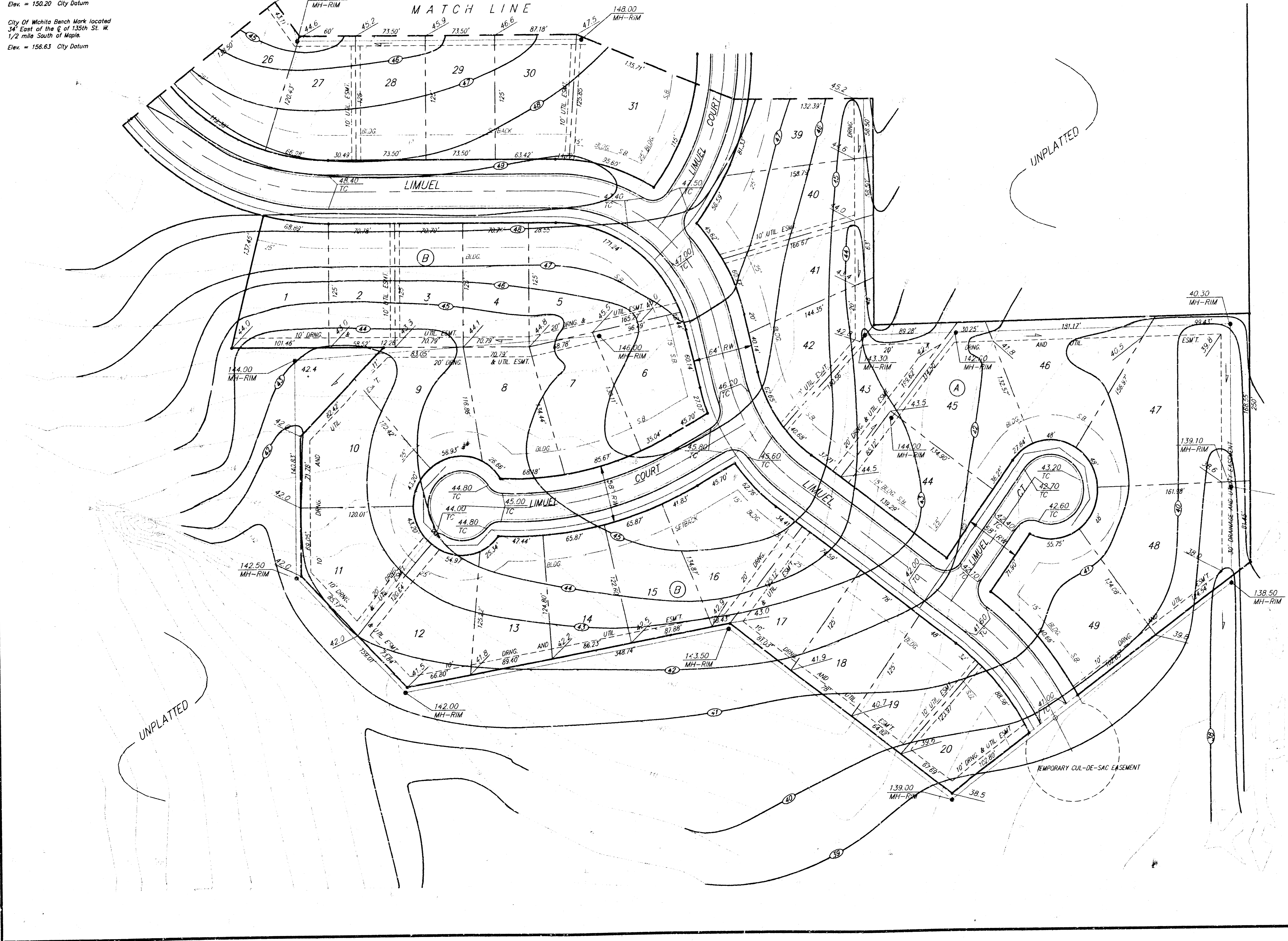
DESIGN NBW	DRAWN BAM	APPROVED	DATE 5-16-94	SCALE 1"=50'
				SHEET <b>18</b>

AUBURN GRADING 84-04-1743

**Benchmark:**  
 \*□\* N.W. Corner of Headwall on the R.C.B.C. Crossing Maple 825± West of & of Forestview.  
 Elev. = 141.00 City Datum

City Of Wichita Bench Mark located on the headwall of the NE Corner of the intersection of 135th St. W. and Maple.  
 Elev. = 150.20 City Datum

City Of Wichita Bench Mark located 34' East of the & of 135th St. W. 1/2 mile South of Maple.  
 Elev. = 156.63 City Datum



SCALE: 1" = 90'

= EXISTING CONTOUR ELEVATION

= FINAL CONTOUR

MAPLE VALLEY ADDITION

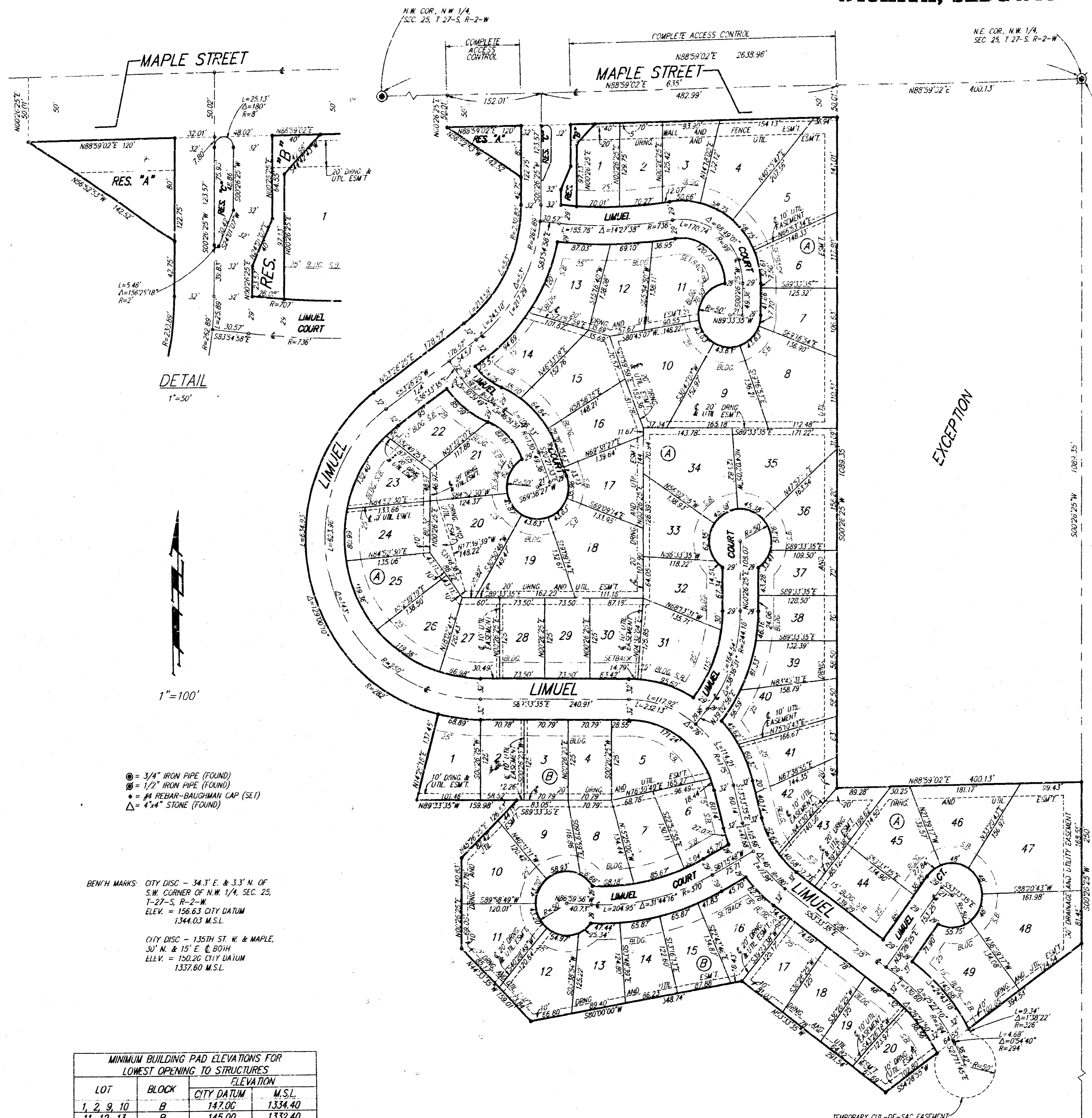
AUBURN HILLS ADDITION  
**GRADING PLAN**  
 LOT & EASEMENT

**BAUGHMAN COMPANY P. A.**  
 ENGINEERING & SURVEYING  
 318-262-7221 • 118 E. 95 • WICHITA, KANSAS 67211

DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET <b>15</b> <b>16</b>
NEW	BAM		5-4-94	1"=90'	

# AUBURN HILLS ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



DETAIL  
1"=50'

1"=100'

- = 3/4" IRON PIPE (FOUND)
- = 1/2" IRON PIPE (FOUND)
- ⊙ = #4 REBAR-BAUGHMAN CAP (SET)
- △ = 4"x4" STONE (FOUND)

BENCH MARKS: CITY DISC - 34.3' E. & 33.3' N. OF SW CORNER OF N.W. 1/4, SEC. 25, T-27-S, R-2-W. ELEV. = 156.63 CITY DATUM 1344.03 M.S.L.  
CITY DISC - 135TH ST. W. & MAPLE ST. N. & 15' E. OF B.M. ELEV. = 156.26 CITY DATUM 1337.60 M.S.L.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO STRUCTURES			
LOT	BLOCK	CITY DATUM	M.S.L.
1, 2, 9, 10	B	147.00	1334.40
11, 12, 13	B	145.00	1332.40

State of Kansas )  
County of Sedgwick )  
We, Baughman Company P.A., Surveyors in aforesaid county and state do hereby certify that, under the supervision of the undersigned, we have surveyed and plotted "AUBURN HILLS ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows: That part of the N.W. 1/4 of Sec. 25, Twp. 27-S, R-2-W of the 6th P.M., Sedgwick County, Kansas, described as beginning at the N.E. Corner of said N.W. 1/4; thence S00°26'25"W along the east line of said N.W. 1/4, a distance of 1339.35 feet; thence S54°28'55"W, a distance of 394.54 feet; thence N53°33'35"W, a distance of 291.54 feet; thence S80°00'00"W, a distance of 348.74 feet; thence N44°33'35"W, a distance of 159.01 feet; thence N00°26'25"E, a distance of 140.83 feet; thence N45°26'25"E, a distance of 126.53 feet; thence N89°33'35"W, a distance of 159.98 feet; thence N14°26'16"E along a radial line, a distance of 137.45 feet to a point on a curve; thence along a curve to the right to a point of tangency with a chord bearing N110°3'40"W and a chord distance of 509.06 feet, said curve having a radius of 282 feet, a central angle of 129°00'10", and an arc length of 634.93 feet; thence N53°26'25"E, a distance of 178.57 feet to a point of curvature; thence along a curve to the left to a point of tangency with a chord bearing N26°56'25"E and a chord distance of 206.05 feet, said curve having a radius of 230.89 feet, a central angle of 53°00'00", and an arc length of 213.58 feet; thence N00°26'25"E, a distance of 42.75 feet; thence N56°52'53"W, a distance of 142.52 feet; thence N00°26'25"E, a distance of 50.01 feet to a point on the north line of said N.W. 1/4; thence N88°59'02"E, a distance of 1035.13 feet to the point of beginning; EXCEPT the north 1089 feet of the east 400 feet thereof as measured perpendicularly to said 1/4 section line.

This plat of "AUBURN HILLS ADDITION", Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.  
Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1994.  
Wichita-Sedgwick County Metropolitan Area Planning Commission.

James D. Miner \_\_\_\_\_ Chairman

Marvin S. Krout \_\_\_\_\_ Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

Elma Broadfoot \_\_\_\_\_ Mayor

Pat Burnett \_\_\_\_\_ Deputy City Clerk

Baughman Company, P.A.

Gregory F. Sevrens \_\_\_\_\_ Surveyor

Entered on transfer record this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

Susan E. Crowell-Spoon \_\_\_\_\_ County Clerk

Know all men by these presents that we, the undersigned have caused the land described in the Surveyors certificate to be platted into Lots, Blocks, Streets, and Reserves to be known as "AUBURN HILLS ADDITION", Wichita, Sedgwick County, Kansas. Reserves "A" and "B" are hereby reserved for entry monuments, landscaping, berms, sidewalks, and utilities as confined to easements. Reserve "C" is hereby reserved for entry monuments, landscaping, streets, and utilities. Reserves "A", "B", and "C" shall be owned and maintained by the homeowners association for the addition. 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 streets are hereby dedicated to and for the use of the public. The wall/fence easement is hereby granted as indicated for the construction and maintenance of a private screening wall and/or fence and utilities may cross this easement. All abutters rights of access to or from Maple Street, over and across the north line of Reserves "A" and "B" and Lots 1, 2, 3, 4, and 5, Block A, are hereby granted to the City of Wichita, Kansas. The temporary Cut-De-Sac easement will expire at such time as Limuel is extended further south or terminated as a permanent Cut-De-Sac on the property to the south. The Minimum Building Pad Elevations for the lowest opening to the structures are as shown on the face of the plat.

State of Kansas )  
Sedgwick County )  
This is to certify that this plat has been filed for record in the office of the Registrar of Deeds, this \_\_\_\_\_ day of \_\_\_\_\_, 1994, at \_\_\_\_\_ o'clock \_\_\_\_\_ M.; and is duly recorded.

Pat Kettler \_\_\_\_\_ Registrar of Deeds

Ed Resa \_\_\_\_\_ Deputy

State of Kansas )  
Sedgwick County )  
The foregoing instrument acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1994, by Edward T. Neville and Rita A. Neville, husband and wife.

Edward T. Neville \_\_\_\_\_ Rita A. Neville \_\_\_\_\_

Notary Public  
My App't Exp. \_\_\_\_\_