

Sanitary Sewer Extensions to Serve  
**SHARON'S ORCHARD ADDITION**

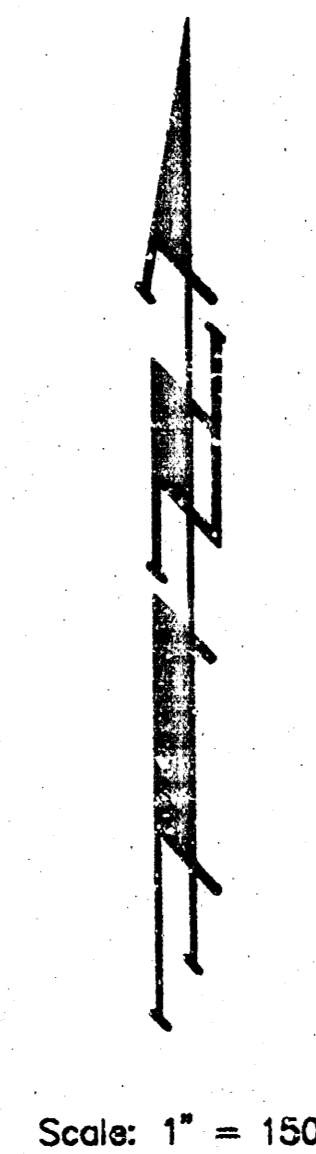
**LATERAL 6, MAIN 11, S.W.I.**

Project No.

**468-76-245-82050-000-000-001**

City of Wichita, Kansas - Michael E. Lindebak, City Engineer

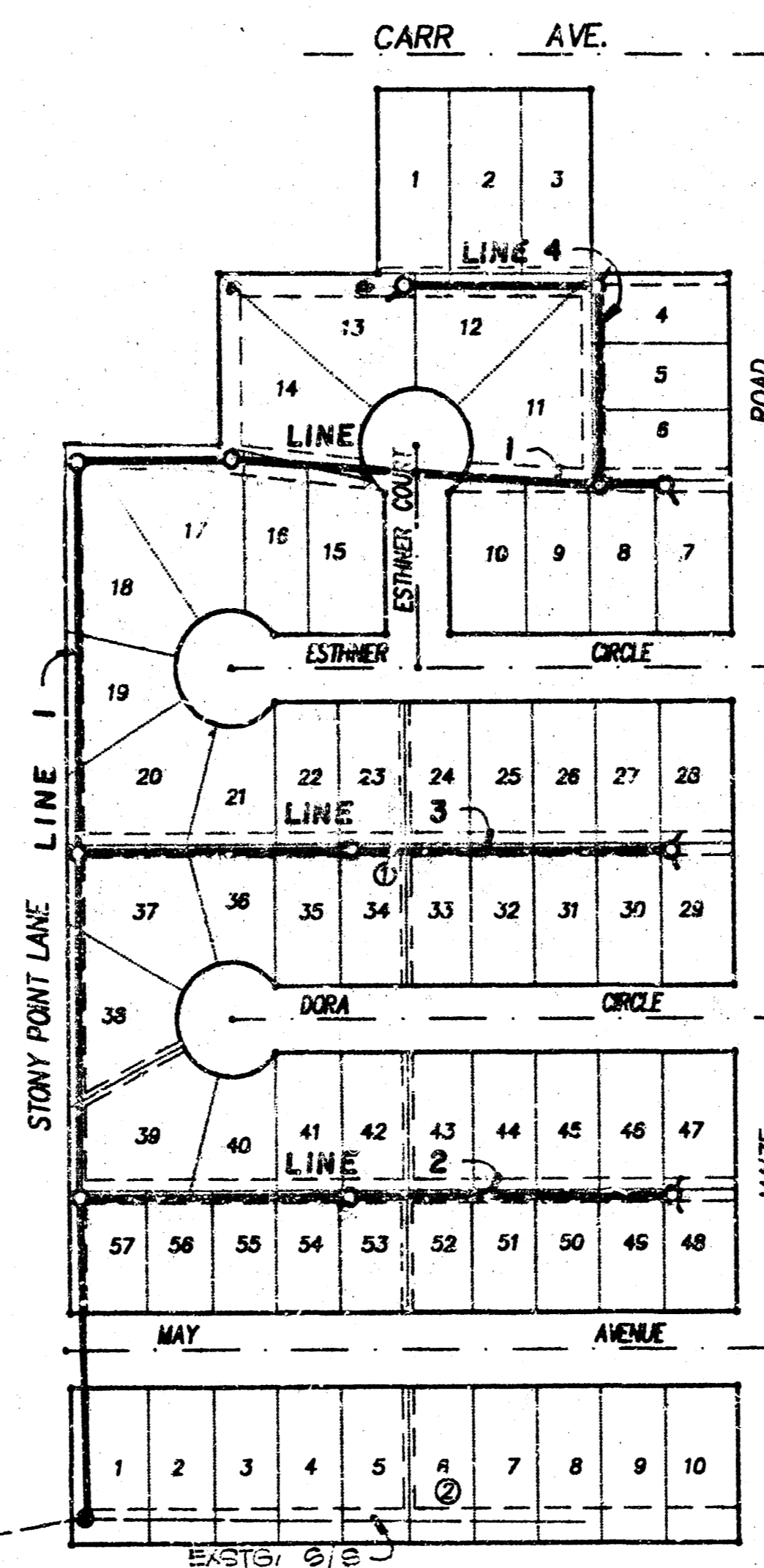
INDEX CODE 740480



Scale: 1" = 150'

1. R.R. SPIKE, P-POLL. (S) 60' N. NE COR. MAIZE RD. AT MAY AVE. 48' E. MAIZE RD. ELEV. = 140.85 C.D.
2. R.R. SPIKE, E.S. HLP 10' N & 80' W SW COR. LT. 1, BLK. 2 SHARON'S ORCHARD ADDN. ELEV. = 142.02 C.D.
3. R.R. SPIKE, E.S. P-POLE 71' S & 2.5' W NW COR. LOT 18, BLK. 1 SHARON'S ORCHARD ADDN. ELEV. = 140.39 C.D.
4. "D" CUT T.C. S'E. END EXSTS. CB. NS. CARR AVE., NE. COR. CARR ST. & MAIZE RD. ELEV. = 137.56 C.D.

BENEFIT DIST.

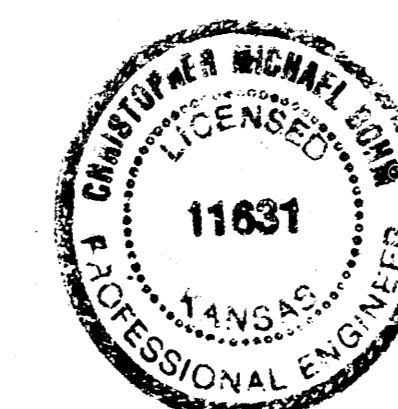
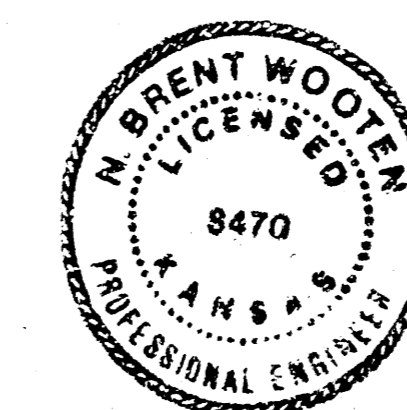


**GENERAL NOTES**

1. 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.
2. 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.
3. 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.

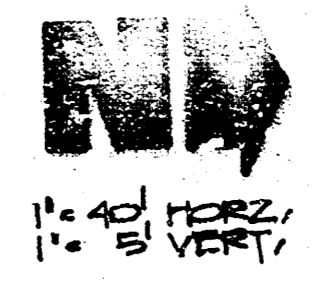
TITLE SHEET	1
PLAN/PROFILE:	
LINE 1	2
LINE 1 & 4	3
LINE 2	4
LINE 3	5
EASEMENT GRADING PLAN	6
VERT. RISER DETAIL	7

BUILT PER PLAN  
 RDL  
 10-90

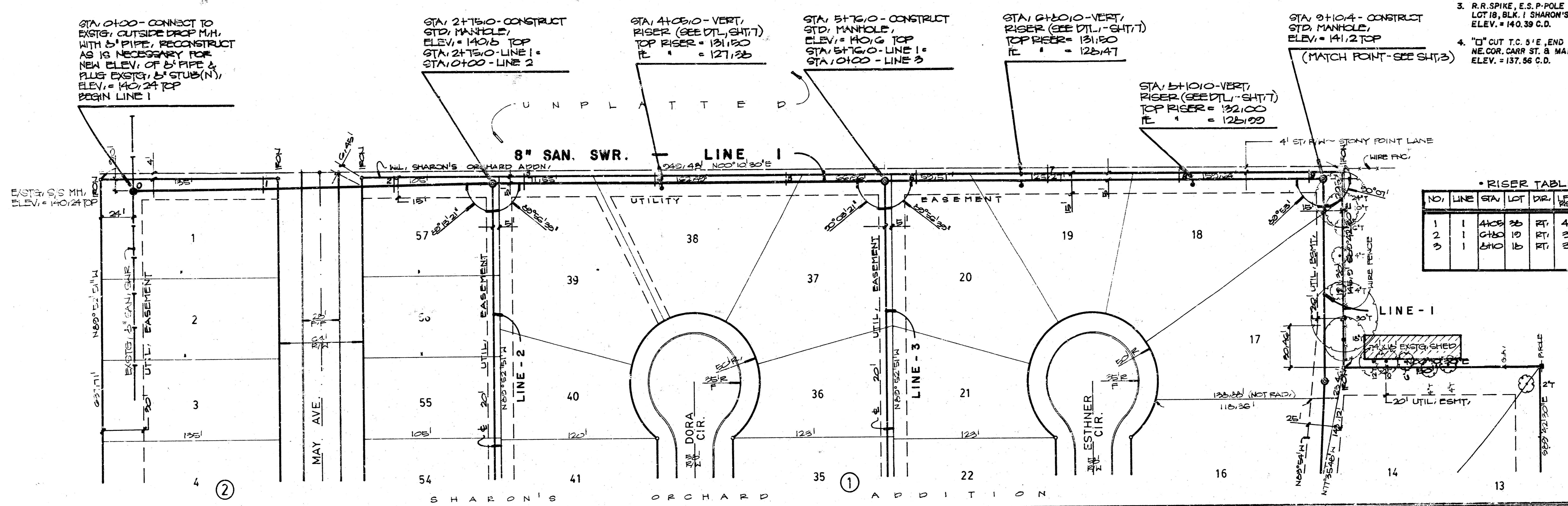


6/27/00  
**BAUGHMAN COMPANY P. A.**  
 SURVEYING & ENGINEERING  
 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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1. R.R. SPIKE, P-POLE (W.S.) 80' N. NE COR. MAIZE RD. AT MAY AVE. 49' E & MAIZE RD. ELEV. = 140.65 C.D.
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3. R.R. SPIKE, E.S. P-POLE 71'S & 48.5' W NW COR. LOT 18, BLK. 1 SHARON'S ORCHARD ADDN. ELEV. = 140.39 C.D.
4. "C" CUT T.C. 5' E END EXSTG. CB. NS CARR AVE., NE COR. CARR ST. & MAIZE RD. ELEV. = 137.56 C.D.



**\* RISER TABLE \***

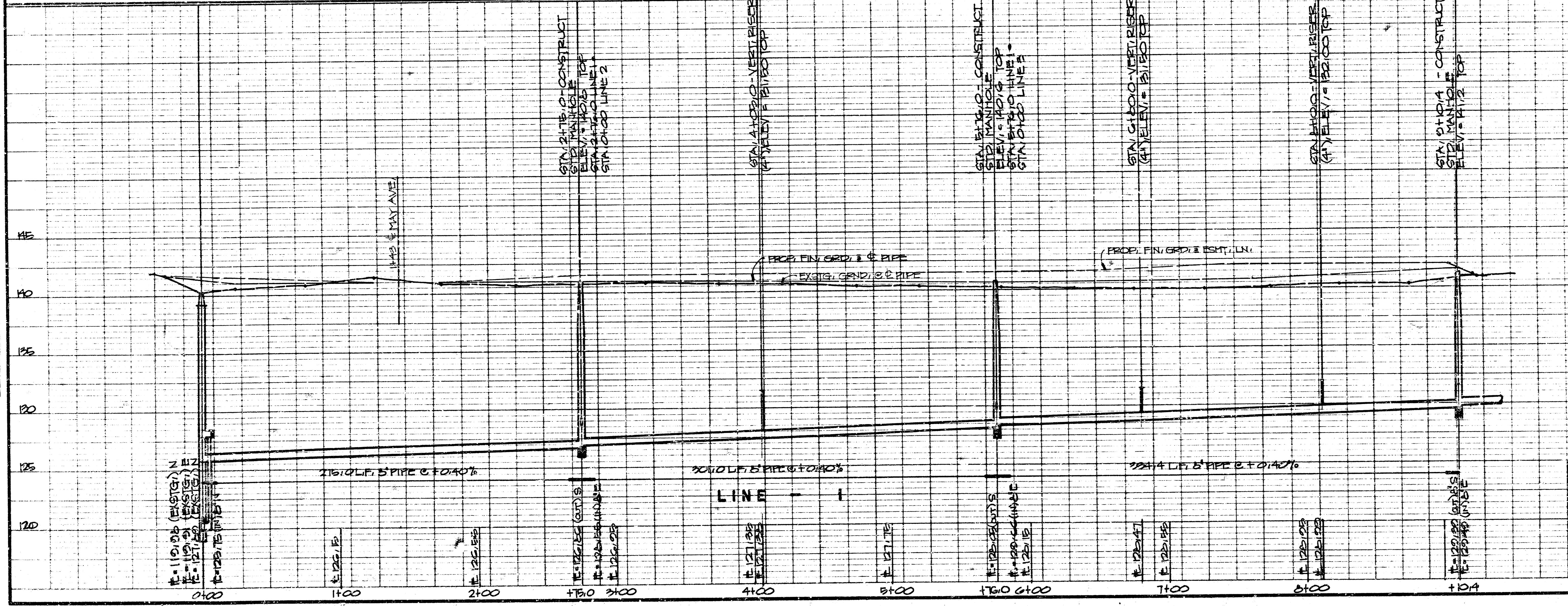
NO.	LINE	STA	LOT	DIR.	LEA' RISE	TOP ELEV. RISE
1	1	4100	26	RT.	4'	131.5
2	1	4100	19	RT.	3'	131.5
3	1	5100	15	RT.	5'	132.0

**FIELD NOTES**

DATE: 4/10/20  
 DRAWN BY: GANN  
 CHECKED BY: GANN  
 PROJECT: LATERAL 6 MAIN 11 SW. I. LINE 1

**PROFILES**

DATE: 4/10/20  
 DRAWN BY: GANN  
 CHECKED BY: GANN  
 PROJECT: LATERAL 6 MAIN 11 SW. I. LINE 1

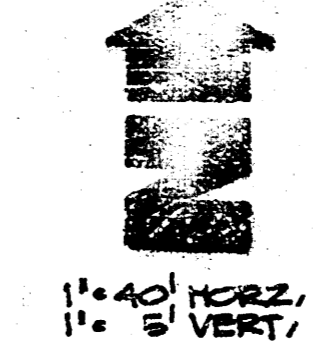


DATE: 4/10/20  
 PROJECT: LATERAL 6 MAIN 11 SW. I. LINE 1  
 SHEET: 2 OF 7  
 DESIGNER: NEMHORN  
 DRAWN BY: GANN  
 CHECKED BY: GANN  
 DATE: APR/20  
 SCALE: NOTED

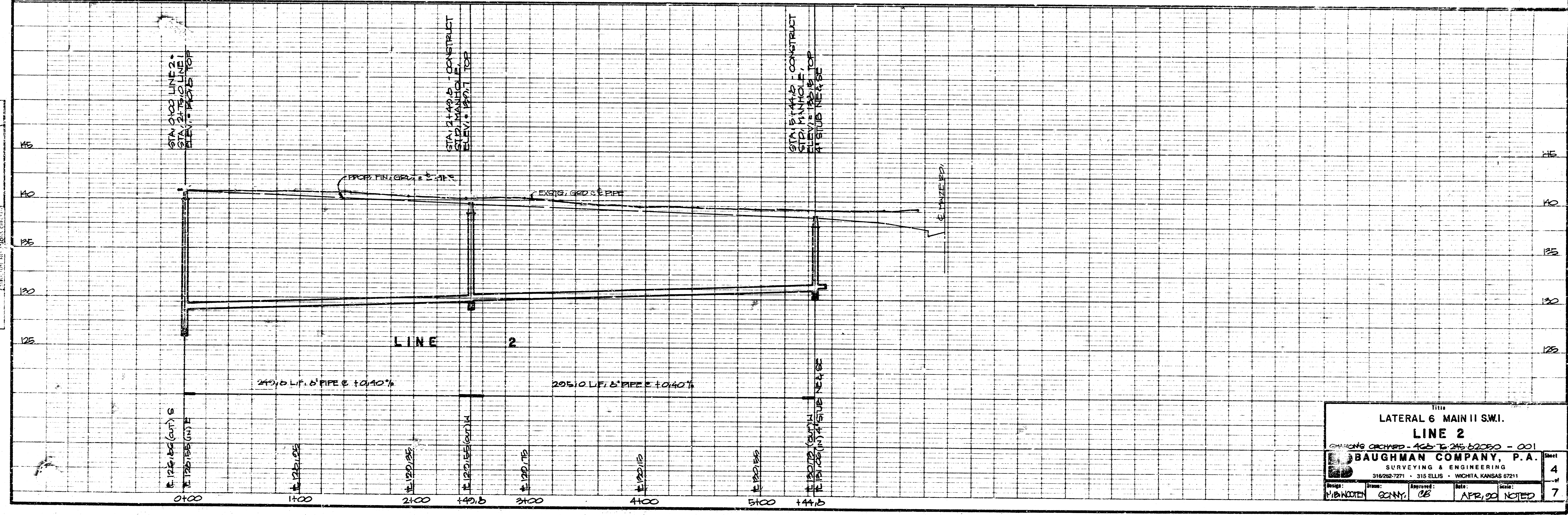
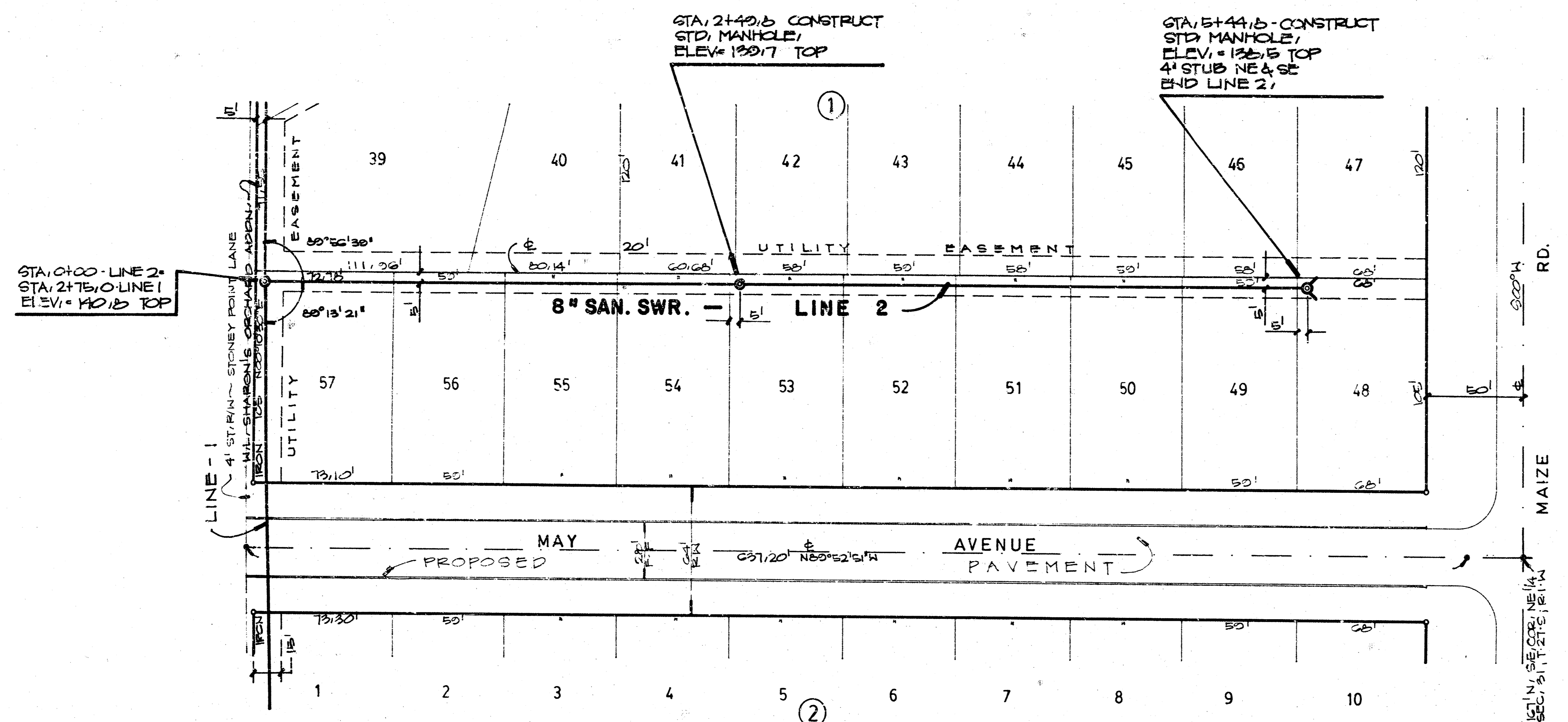
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SHARON'S ORCHARD ADDITION



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3. R.R. SPIKE, E.S. P-POLE 71' S & 48.5' W NW COR. LOT 18, BLK. 1 SHARON'S ORCHARD ADDN. ELEV. = 149.39 C.D.
4. "D" CUT T.C. 5' E, END EXSTS. CB. NS. CARR AVE., NE COR. CARR ST. & MAIZE RD. ELEV. = 137.56 C.D.



FILE NO.	
DATE	
BY	
CHECKED	
APPROVED	

PROJECT	SHARON'S ORCHARD ADDITION
DATE	
BY	
CHECKED	
APPROVED	

LATERAL 6 MAIN II SW.I.  
**LINE 2**

SHARON'S ORCHARD - 145' E. 245' S. 200' W. - 001

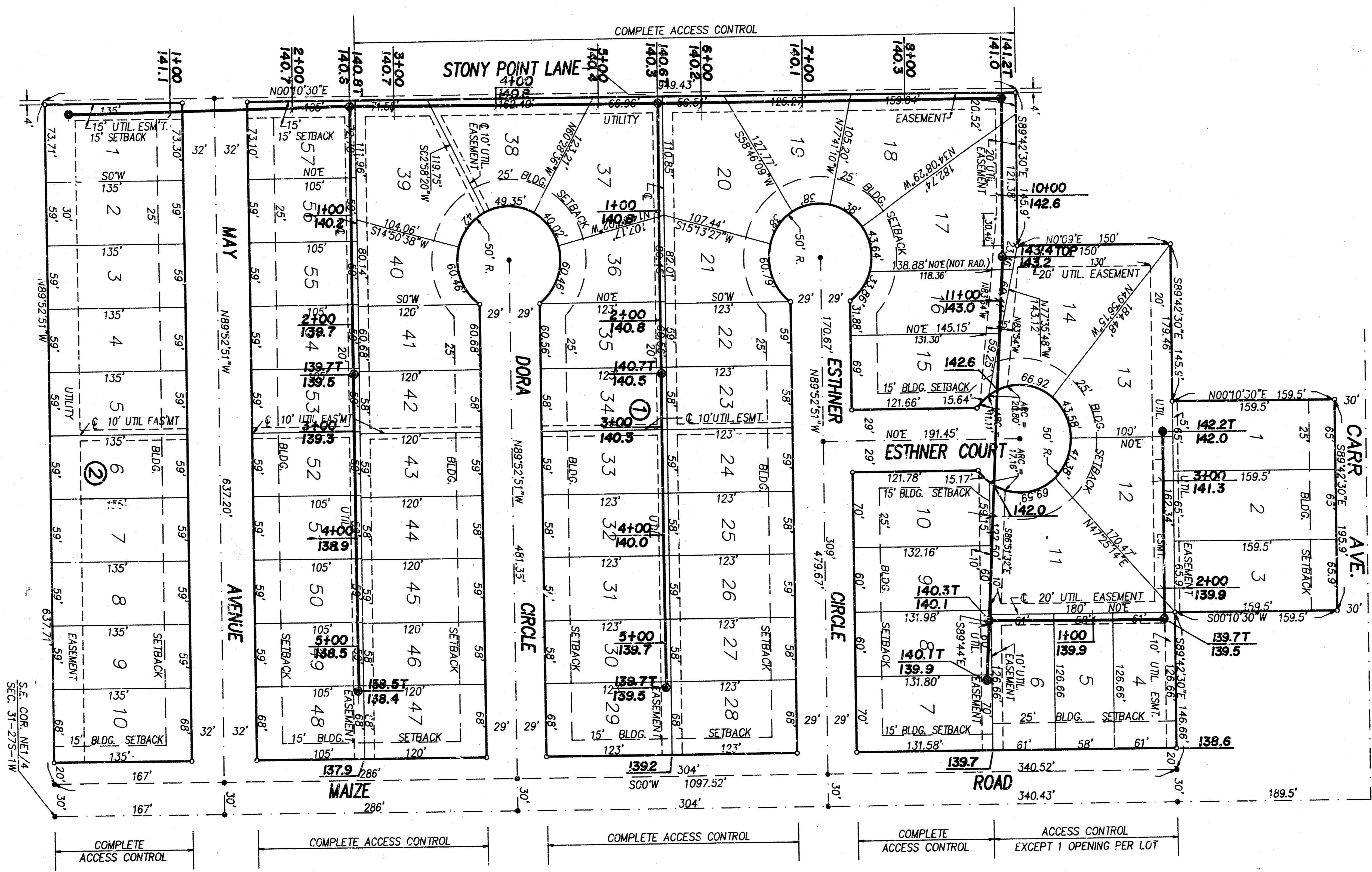
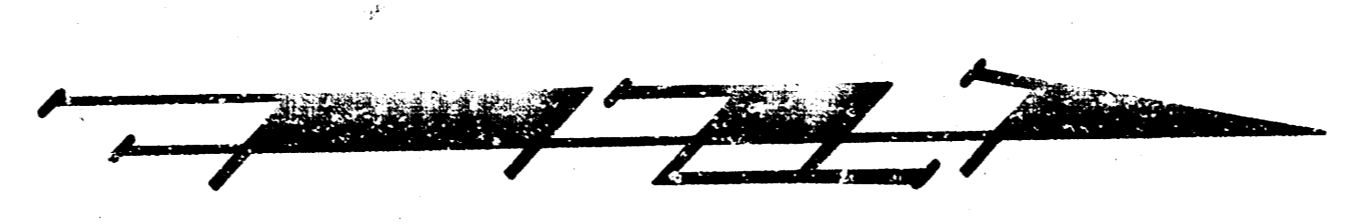
**BAUGHMAN COMPANY, P.A.**  
SURVEYING & ENGINEERING  
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Drawn: V. HANCOCK	Checked: SCANNY	Approved: CB	Date: APR, 20	Scale: NOTED
Sheet 4				7


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SCALE: 1" = 60'  
 0 = IRON  
 MIN BLDG PAD For Lots 1 thru 10, Block 2  
 1324.4 MSL  
 1370.0 City Datum



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- "C" CUT T.C. 5'E, END EXST'G. CB. NS. CARR AVE., NE COR. CARR ST. & MAIZE RD. ELEV. = 137.56 C.D.

<b>EASEMENT GRADING PLAN SANITARY SEWER - SHARON'S ORCHARD</b>				
 <b>BAUGHMAN COMPANY P. A.</b> SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.
PROJECT NUMBER <b>16676 245 62060 - 001</b>				SHEET <b>6</b>
DESIGN <i>C. Balm</i>	DRAWN <i>Sony</i>	APPROVED <i>CB</i>	DATE <b>MAY 00</b>	SCALE <b>NOTED</b>
				OF <b>7</b>

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# VERTICAL RISER DETAIL

## ADOPTED AS STANDARD DESIGN BY

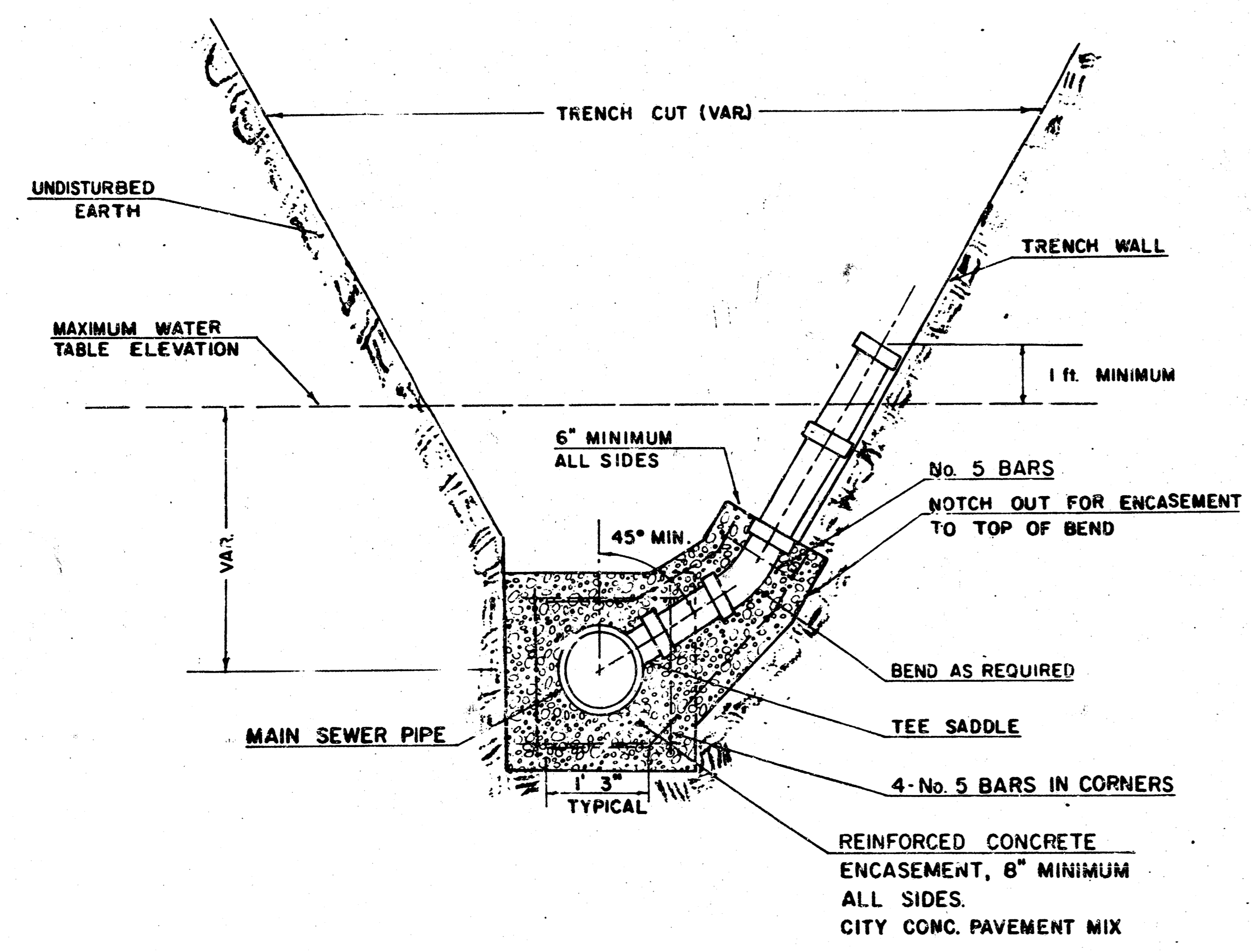
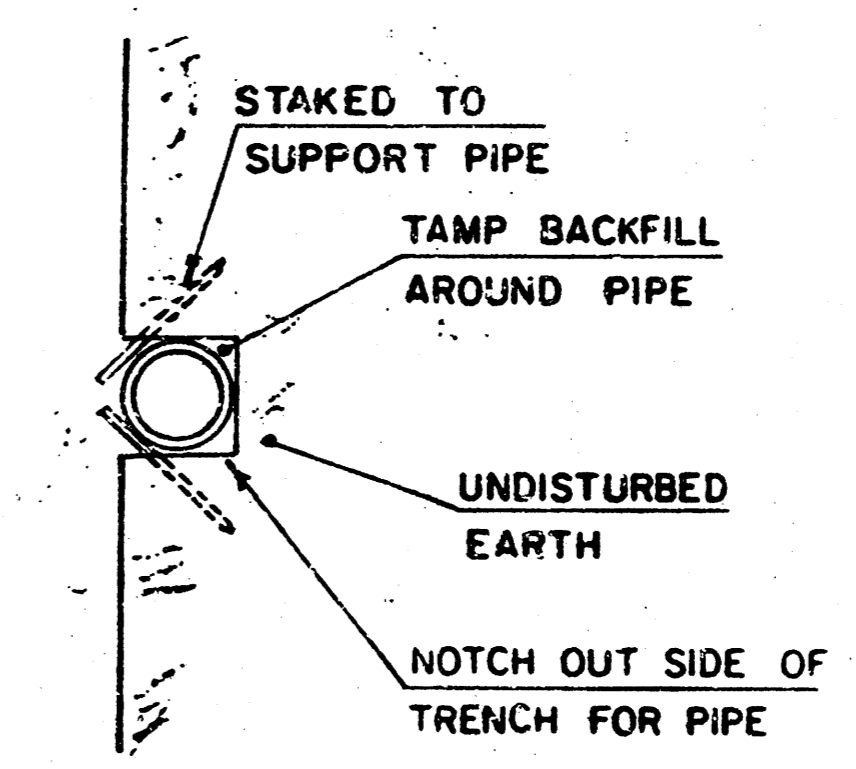
### CITY OF WICHITA, KANSAS

**GENERAL NOTE**

RISERS SHALL BE INSTALLED TO SERVE ALL LOTS OR TRACTS WHEN THE MAIN SEWER LINE IS BELOW THE WATER TABLE. RISERS SHALL ALSO BE INSTALLED TO SERVE ALL LOTS AND TRACTS WHEN THE MAIN SEWER LINE DEPTH IS SUCH THAT WOULD MAKE THE BUILDING SEWER LINE CONNECTION DIFFICULT. INSTALLATION OF RISERS BECAUSE OF MAIN LINE SEWER DEPTH SHALL BE AS APPROVED BY THE ENGINEER. THE LOCATION OF RISERS TO SERVE DEVELOPED PROPERTY SHALL BE APPROVED BY THE PROPERTY OWNER. PIPE STUBS SHALL BE INSTALLED IN MANHOLES WHERE LOCATIONS OF MANHOLES WILL PROVIDE SATISFACTORY SERVICE CONNECTIONS AS DETERMINED BY THE FIELD ENGINEER. THE VERTICAL DISTANCE BETWEEN THE FLOW LINE OF THE HANGING PIPE STUB AND THE FLOW LINE OF THE MAIN SEWER LINE SHALL NOT EXCEED 4 FT. MANHOLE PIPE STUBS SHALL NOT BE SET BELOW AN ELEVATION WHICH WILL PERMIT THE TOP OF THE INSIDE OF THE STUB TO MATCH THE TOP OF THE INSIDE OF THE MAIN SEWER PIPE. PIPE STUBS AND RISERS INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL PROPERTY SHALL BE 6 INCH. PIPE STUBS AND RISERS INSTALLED TO SERVE RESIDENTIAL PROPERTY MAY BE EITHER 6 INCH OR 4 INCH DEPENDING UPON THE AVAILABLE GRADE AND THE SIZE OF THE LOT AS DETERMINED BY THE FIELD ENGINEER. ENCASEMENT OF VITRIFIED CLAY MAIN SEWER PIPE SHALL EXTEND TO THE FIRST JOINT IN THE MAIN SEWER CLAY PIPE ON EACH SIDE OF THE RISER INSTALLATION. ENCASEMENT OF A.B.S. COMPOSITE OR P.V.C. MAIN SEWER PIPE SHALL EXTEND A MINIMUM OF 3 FT. ON BOTH SIDES OF THE CENTERLINE OF THE RISER. FOUR INCH AND SIX INCH RISER PIPE SHALL BE ENCASED WITH CONCRETE TO THE TOP OF THE BEND AS INDICATED IN THE DRAWINGS. FOUR INCH AND SIX INCH CLAY PIPE USED FOR RISERS SHALL BE EXTRA STRENGTH PIPE CONFORMING TO THE REQUIREMENTS OF THE LATEST REVISION OF A.S.T.M. DESIGNATION C700 WITH COPPRESSION JOINTS AS SPECIFIED FOR CLAY PIPE IN THE STANDARD SPECIFICATIONS. FOUR INCH AND SIX INCH A.B.S. OR P.V.C. PIPE SHALL BE PIPE APPROVED FOR USE IN THE CITY BY THE CHIEF PLUMBING AND MECHANICAL INSPECTOR FOR THE CENTRAL INSPECTION DIVISION OF THE DEPARTMENT OF HOUSING AND ECONOMIC DEVELOPMENT. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN COLORED PLASTIC TAPE TO THE END OF THE RISER WHICH SHALL BE EXTENDED TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. SUCH GREEN PLASTIC TAPE SHALL BE 4 MIL POLYETHYLENE FILM WITH A MINIMUM WIDTH OF 3" SPECIALLY MANUFACTURED FOR THE PURPOSE OF IDENTIFICATION OF UNDERGROUND SEWERS. THE ENDS OF THE RISER PIPE AND MANHOLE STUBS SHALL BE CAPED OR PLUGGED USING FITTINGS FURNISHED BY THE MANUFACTURER OF THE PIPE. CONTRACTOR'S METHODS FOR SUPPORTING AND BACKFILLING RISER PIPE SHALL BE APPROVED BY THE ENGINEER.

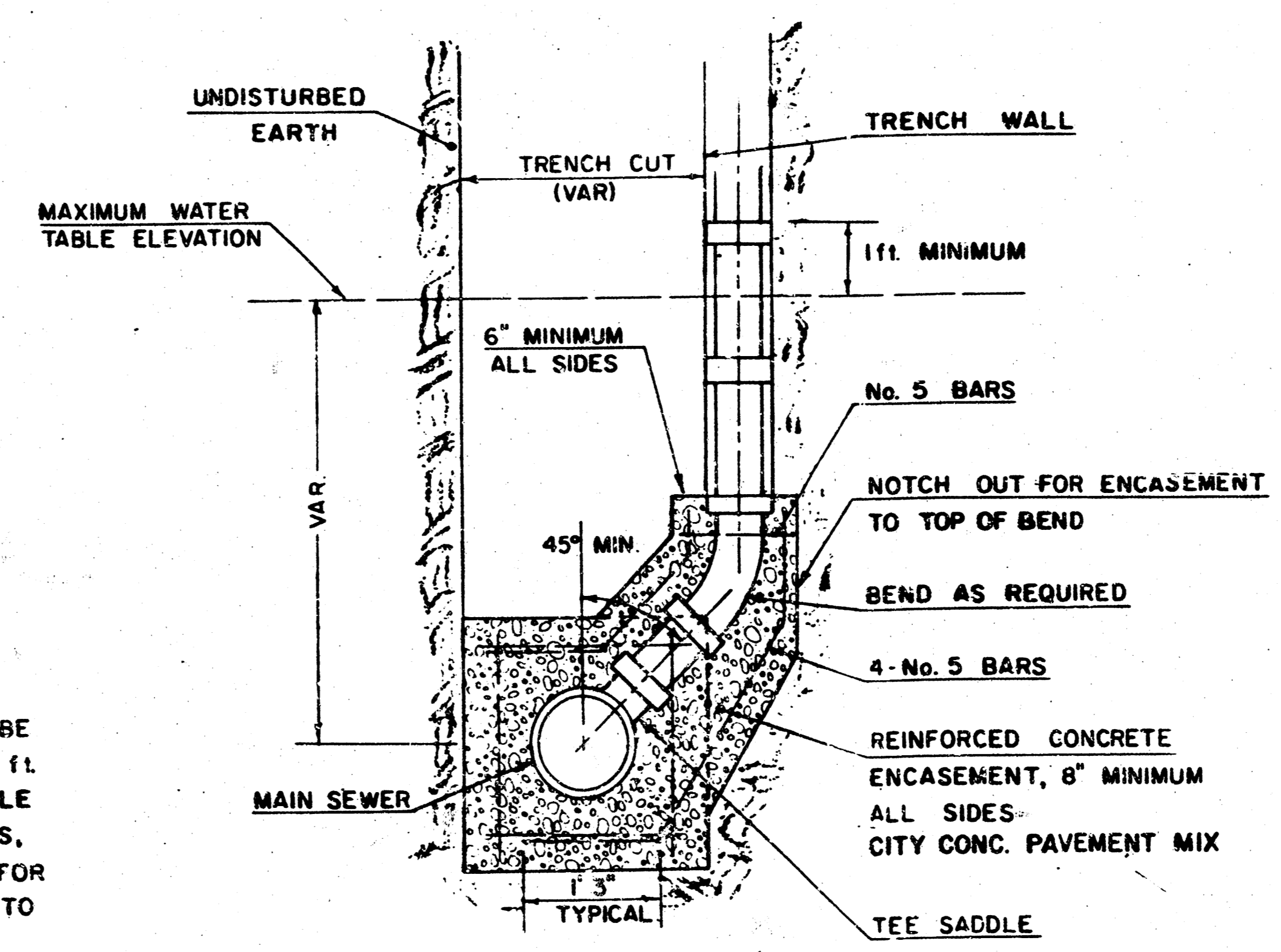
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE AND REINFORCED CONCRETE ENCASEMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED; WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING SADDLES, BENDS, CONCRETE, REINFORCING STEEL, CAPS OR PLUGS, AND ALL OTHER NECESSARY MATERIALS OR WORK. CONCRETE ENCASEMENT OF THE RISER PIPE TO THE TOP OF THE BEND AS SHOWN IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.

THE PROJECT INSPECTOR SHALL REPORT ON INSPECTOR CARDS THE LOCATION OF ALL RISERS CONSTRUCTED AS MEASURED FROM THE NEAREST MANHOLE. THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. THE PROJECT INSPECTOR SHALL ALSO REPORT ON INSPECTOR CARDS THE LOCATION, DIRECTION OF SERVICE, AND SIZE OF ALL STUBS INSTALLED IN MANHOLES.



TYPICAL RISER FOR SLOPING TRENCH WALLS

NOTE:  
TOP OF 4" OR 6" RISER PIPE TO BE EXTENDED TO AN ELEVATION OF 1 ft. MINIMUM ABOVE THE WATER TABLE ELEVATION, WHEN WATER EXISTS, OR TO AN ELEVATION SUITABLE FOR PROVIDING SERVICE TO THE LOT TO BE SERVED AND THEN PLUGGED.



TYPICAL RISER FOR VERTICAL TRENCH WALLS