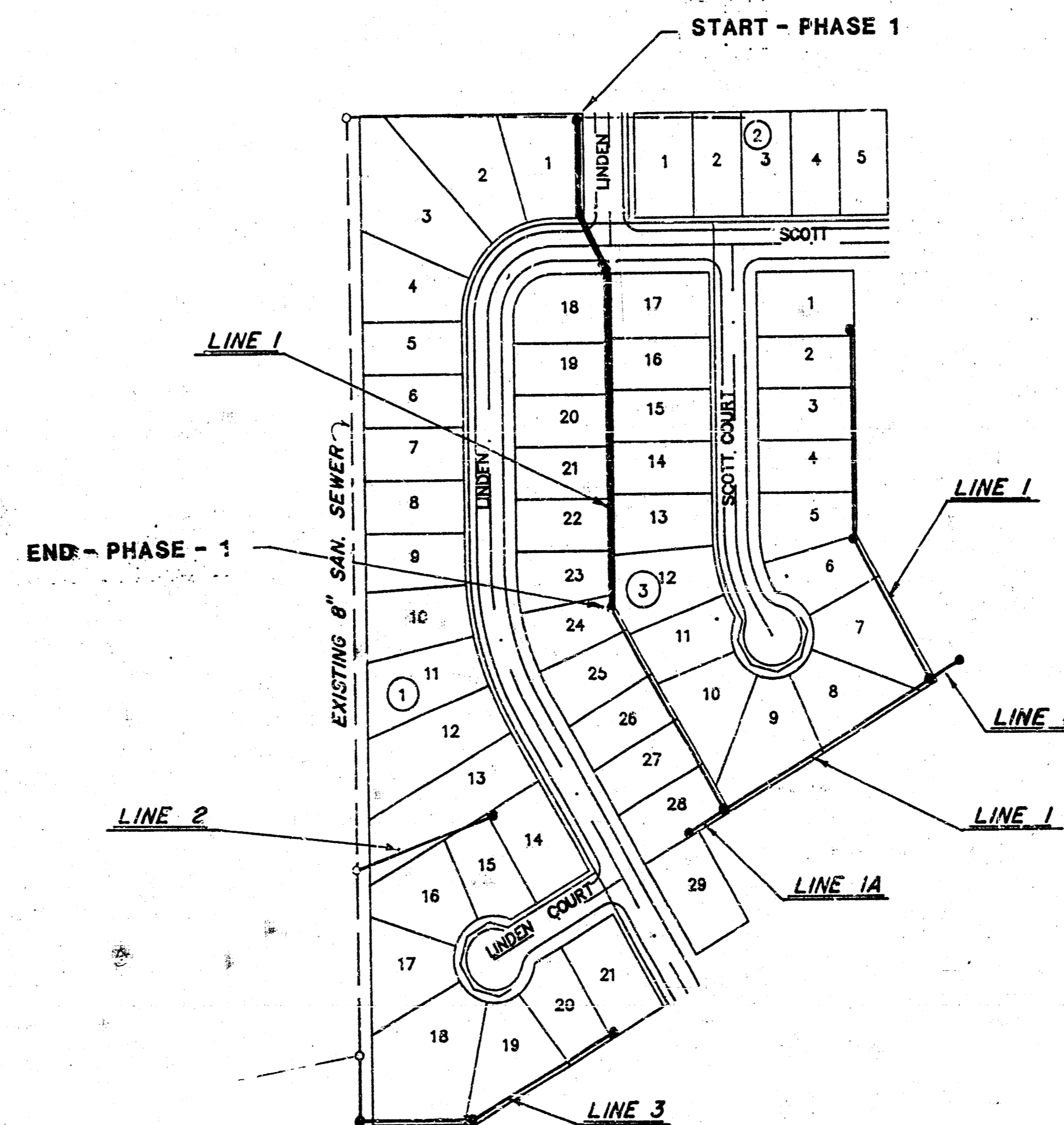
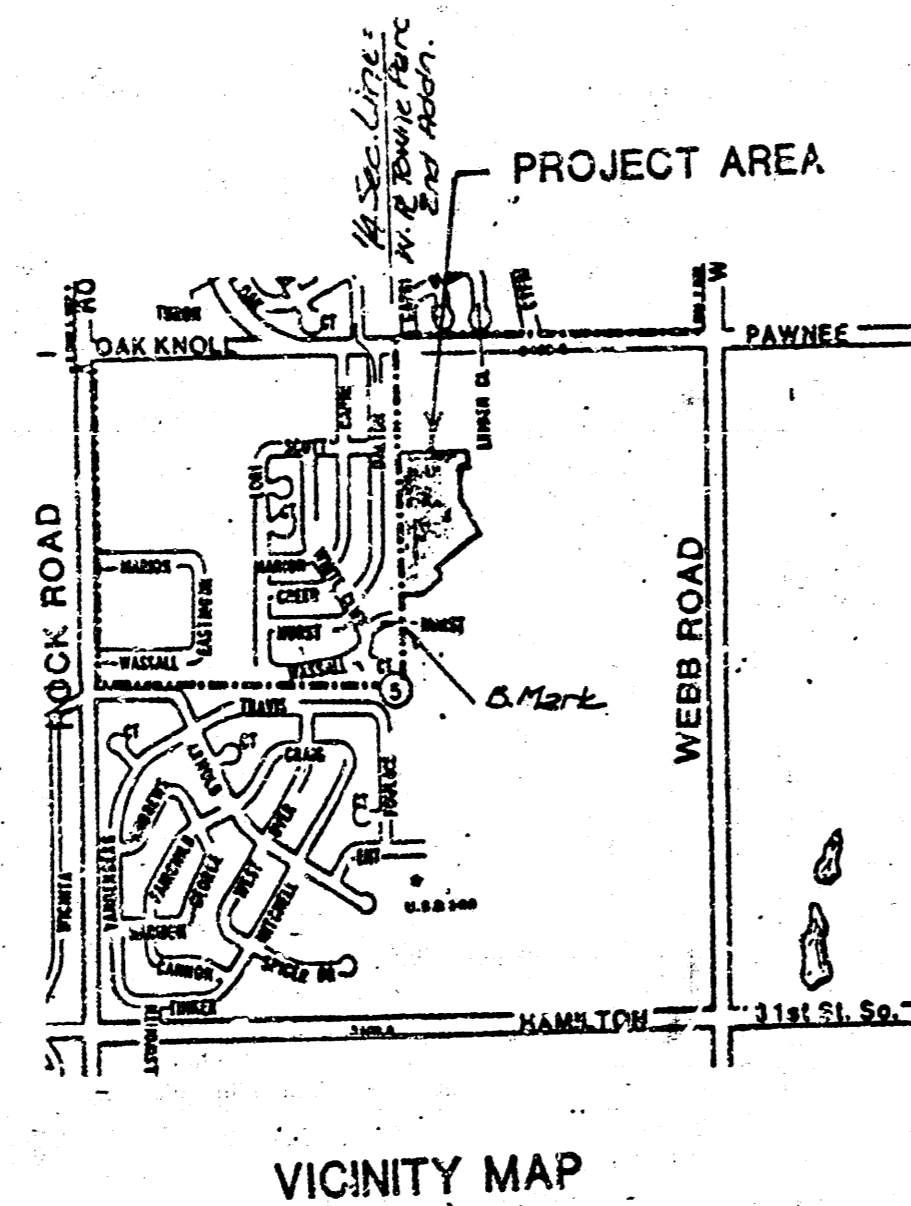


PHASE 1  
**Private Sanitary Sewer Extension To Serve  
 TOWNE PARC 2ND ADDITION**

Project No.  
**468-76-245-80001-000-000-177**  
 City of Wichita, Kansas - Michael E. Lindebak, City Engineer

**Index to the Plans**

|                                 |   |
|---------------------------------|---|
| Title Sheet                     | 1 |
| Plan & Profile Line 1 & Line 1A | 2 |
| Plan & Profile Line 1 & Line 1B | 3 |
| Plan & Profile Line 2 & Line 3  | 4 |
| Vertical Riser Detail           | 5 |



REMAINING LINES TO BE CONSTRUCTED UNDER A FUTURE PROJECT

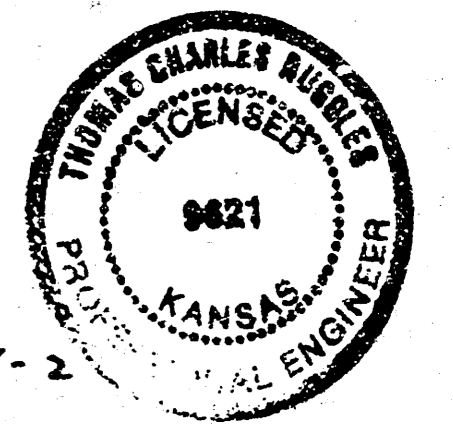
Location Map

**General Notes**

- 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.
- 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.

APPROVED AS NOTED  
 By CITY ENGINEER OF WICHITA  
 Sanitary Sewers *RLB 8/10/88*  
 Storm Sewers \_\_\_\_\_  
 Driveway Approaches \_\_\_\_\_  
 Water Mains \_\_\_\_\_  
 Pave \_\_\_\_\_

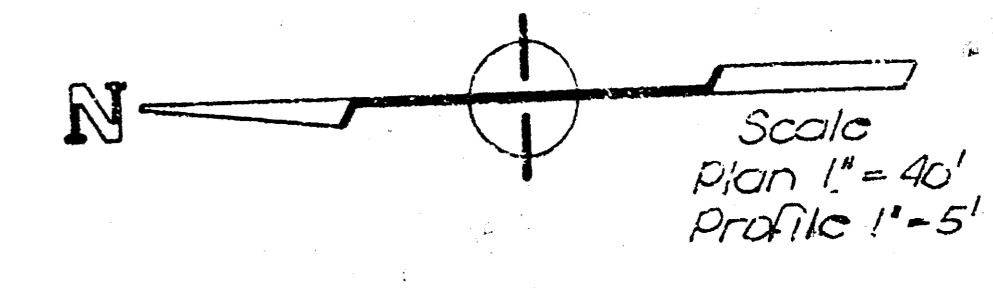
**NOTE TO CONTRACTOR**  
 INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.



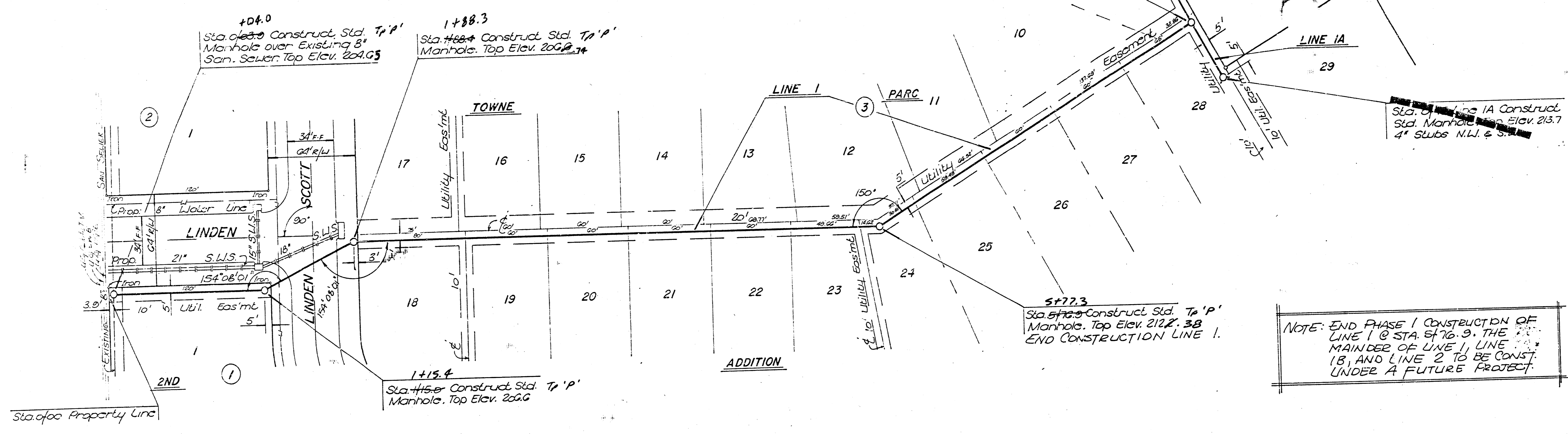
*AS-BUILT (PHASE I) sheets 1-2  
 9-27-88 TCR*

**BAUGHMAN COMPANY P. A.**  
 SURVEYING & ENGINEERING  
 316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

**BENCHMARKS**  
 Bench Mark 1: 6" Cut Top of Curb 28' ± W. of 1/4 Section Line, S. side of Hurst. Elevation 211.22 City Datum  
 Bench Mark 2: 6" Cut Top of Curb on the S. side of Carson and W. R. of Linden. Elevation 201.71 City Datum

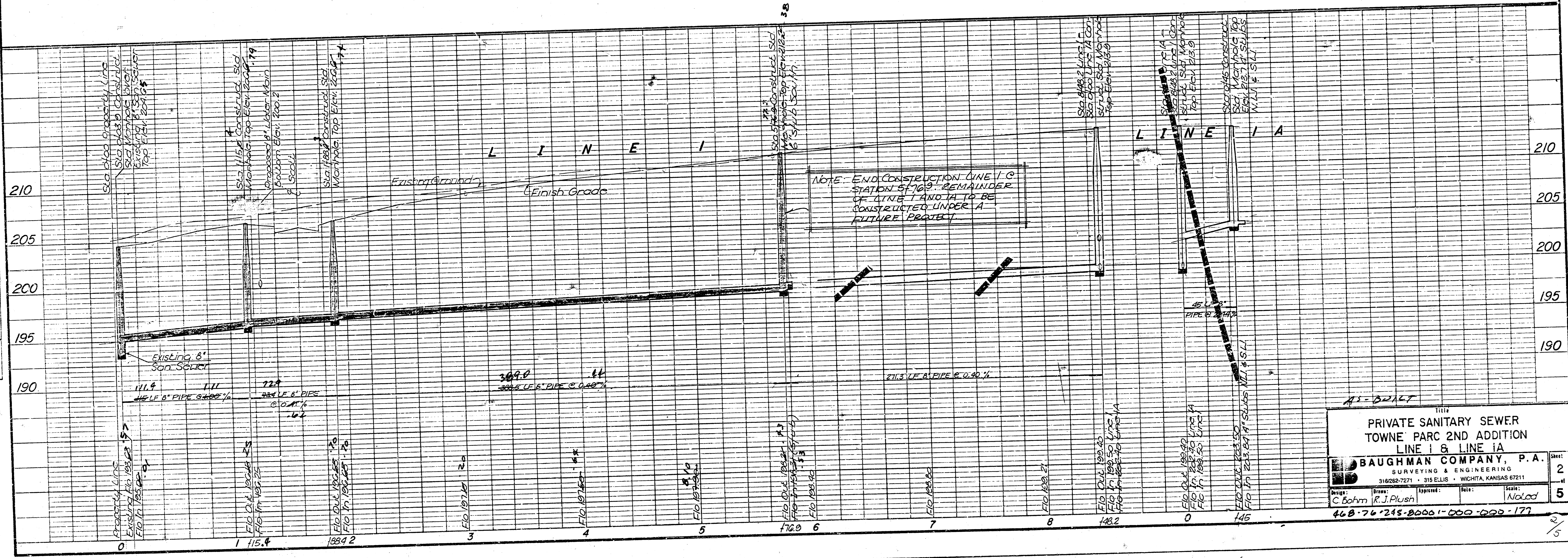


|         |      |    |
|---------|------|----|
| PLAN    | DATE | BY |
| REVISED |      |    |
| NO. 1   |      |    |



NOTE: END PHASE I CONSTRUCTION OF LINE 1 @ STA. 57+0.9. THE MAINDER OF LINE 1, LINE 1B, AND LINE 2 TO BE CONST. UNDER A FUTURE PROJECT.

|         |      |    |
|---------|------|----|
| PROFILE | DATE | BY |
| REVISED |      |    |
| NO. 1   |      |    |



AS-BUILT

PRIVATE SANITARY SEWER  
 TOWNE PARC 2ND ADDITION  
 LINE 1 & LINE 1A

BAUGHMAN COMPANY, P.A.  
 SURVEYING & ENGINEERING  
 316282-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design: C. Bohm R.J. Plush Approved: Date: Scale: Noted

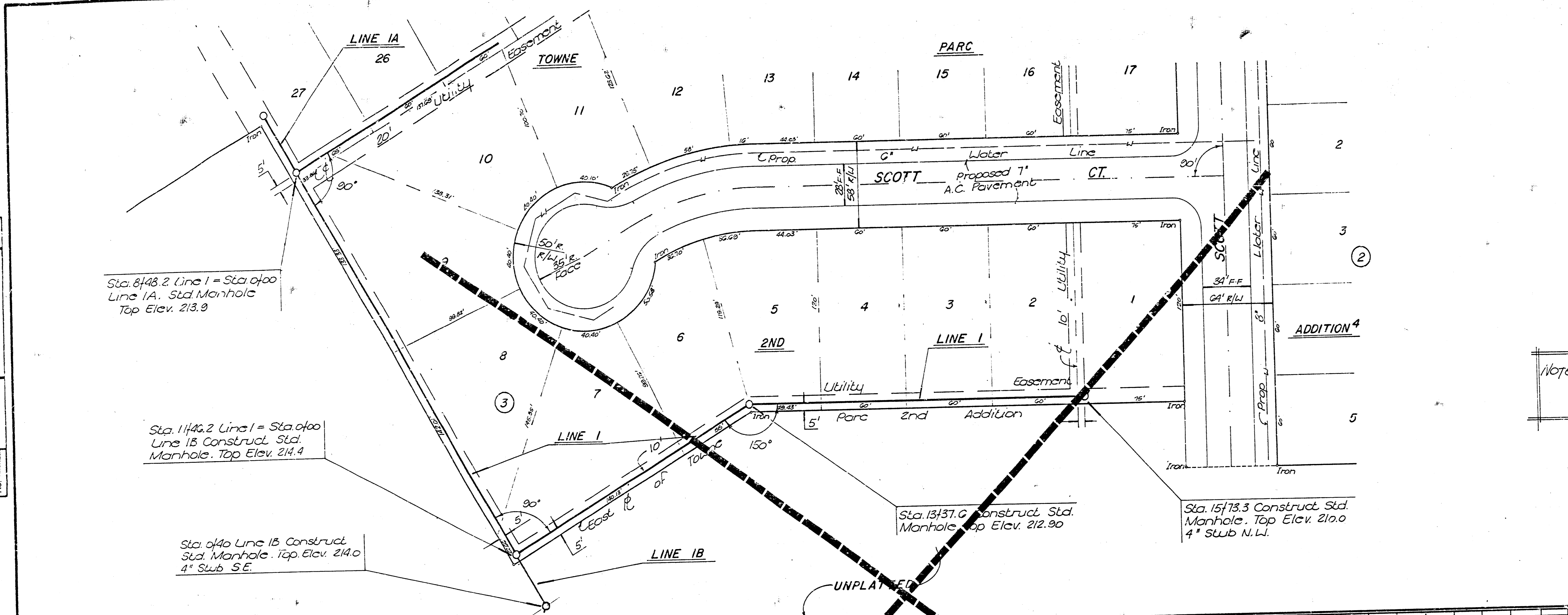
46B-76-245-80001-000-000-177

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Scale  
Plan 1"=40'  
Profile 1"=5'

|           |                 |      |    |
|-----------|-----------------|------|----|
| FLAT      | STARTED         | DATE | BY |
| NOTE BOOK | PARASIT CHECKED |      |    |
| No.       |                 |      |    |

|           |                 |      |    |
|-----------|-----------------|------|----|
| PROFILE   | STARTED         | DATE | BY |
| NOTE BOOK | PARASIT CHECKED |      |    |
| No.       |                 |      |    |



Sta. 8+48.2 Line I = Sta. of 0+0 Line IA. Std. Manhole Top Elev. 213.9

Sta. 1+46.2 Line I = Sta. of 0+0 Line IB Construct. Std. Manhole. Top Elev. 214.4

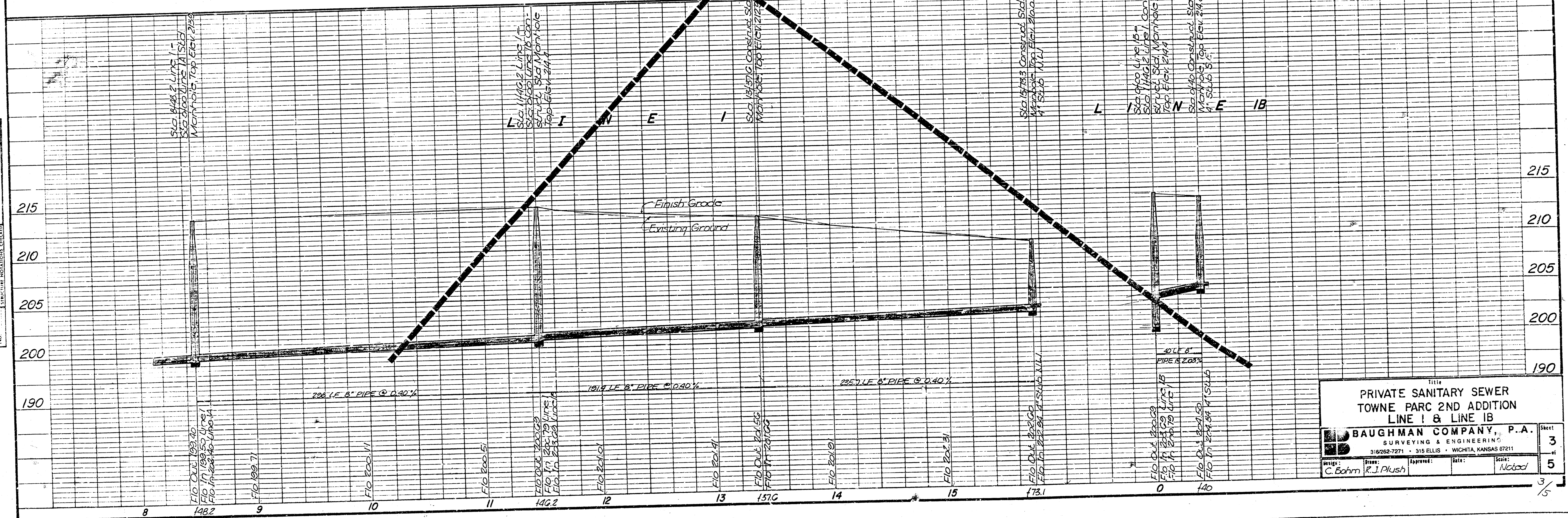
Sta. 0+40 Line IB Construct. Std. Manhole. Top Elev. 214.0 4" Sub. S.E.

Sta. 13+37.0 Construct. Std. Manhole Top Elev. 212.90

Sta. 15+73.3 Construct. Std. Manhole. Top Elev. 210.0 4" Sub. N.W.

NOTE: NONE OF THE LINES ON THIS SHEET ARE TO BE CONSTRUCTED WITH THIS PROJECT. PROVIDED FOR INFORMATION ONLY.

**BENCHMARKS**  
 Bench Mark 1: 1' a' cut Top of Curb 68" ± W. of 1/4 Section Line, S. side of Hurst. Elevation 211.22 City Datum  
 Bench Mark 2: 1' a' cut Top of Curb on the S. side of Carson and W. R./W. of Linden. Elevation 201.71 City Datum



11114  
**PRIVATE SANITARY SEWER**  
**TOWNE PARC 2ND ADDITION**  
**LINE I & LINE IB**

**BAUGHMAN COMPANY, P.A.**  
 SURVEYING & ENGINEERING  
 316262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Drawn: C. Bohm R.J. Plush  
 Approved: [Signature]  
 Date: [Date]  
 Scale: Noted

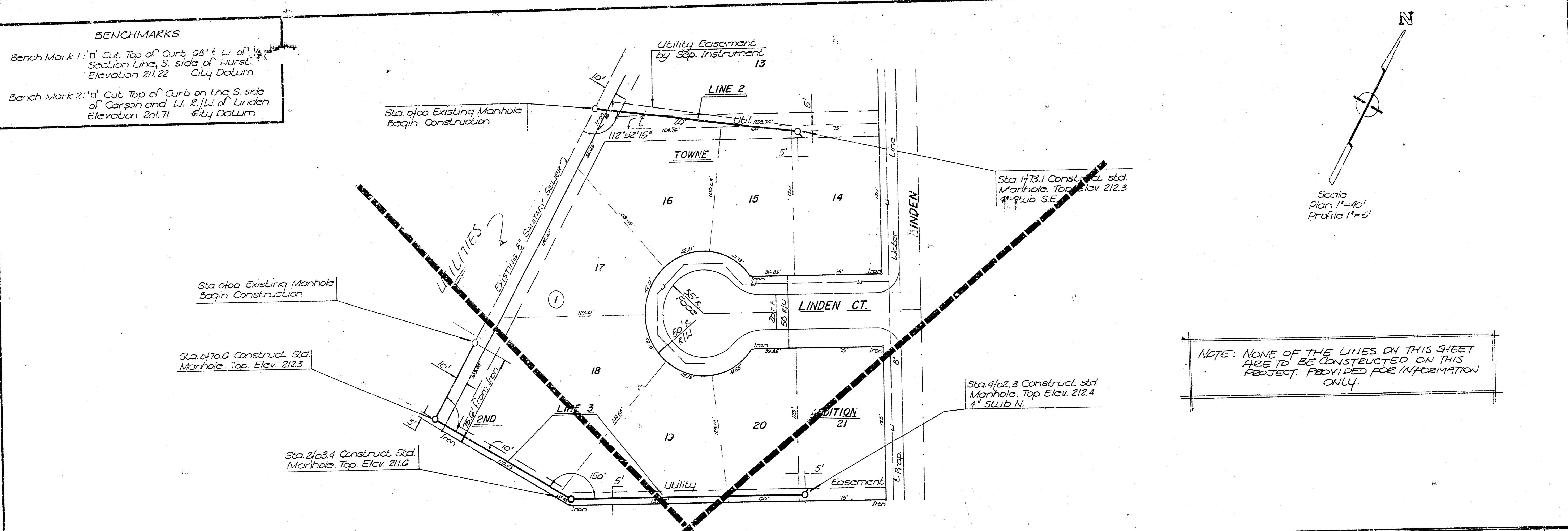
Sheet 3 of 5

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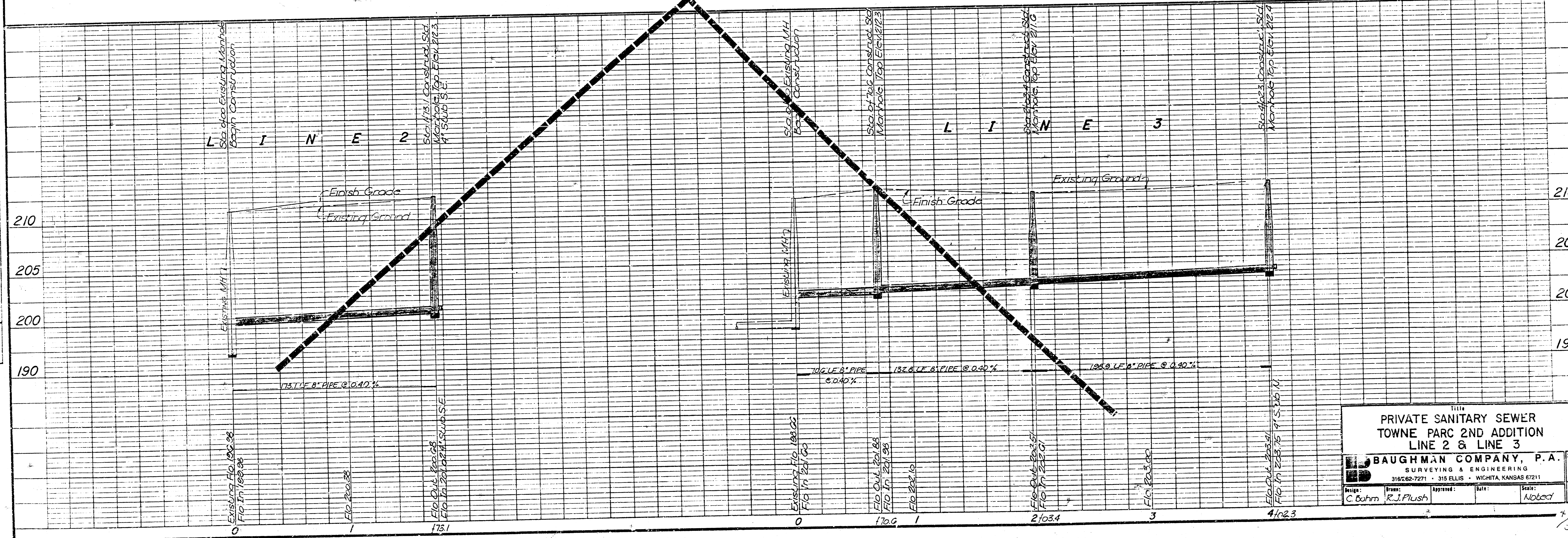
**BENCHMARKS**  
 Bench Mark 1: 1" dia. Cut Top of Curb 68' ± W. of 1/2 Section Line, S. side of Hurst. Elevation 211.22 City Datum  
 Bench Mark 2: 1" dia. Cut Top of Curb on the S. side of Carson and W. R. W. of Linden. Elevation 201.71 City Datum

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_

PROJECT: PRIVATE SANITARY SEWER  
 TOWNE PARC 2ND ADDITION  
 LINE 2 & LINE 3  
 SHEET NO. \_\_\_\_\_



NOTE: NONE OF THE LINES ON THIS SHEET ARE TO BE CONSTRUCTED ON THIS PROJECT. PROVIDED FOR INFORMATION ONLY.



PRIVATE SANITARY SEWER  
 TOWNE PARC 2ND ADDITION  
 LINE 2 & LINE 3

**BAUGHMAN COMPANY, P.A.**  
 SURVEYING & ENGINEERING  
 318262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design: C. Bahr, R.J. Flush  
 Approved: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Scale: Noted

Sheet 4 of 5

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# VERTICAL RISER DETAIL

ADOPTED AS STANDARD DESIGN  
BY

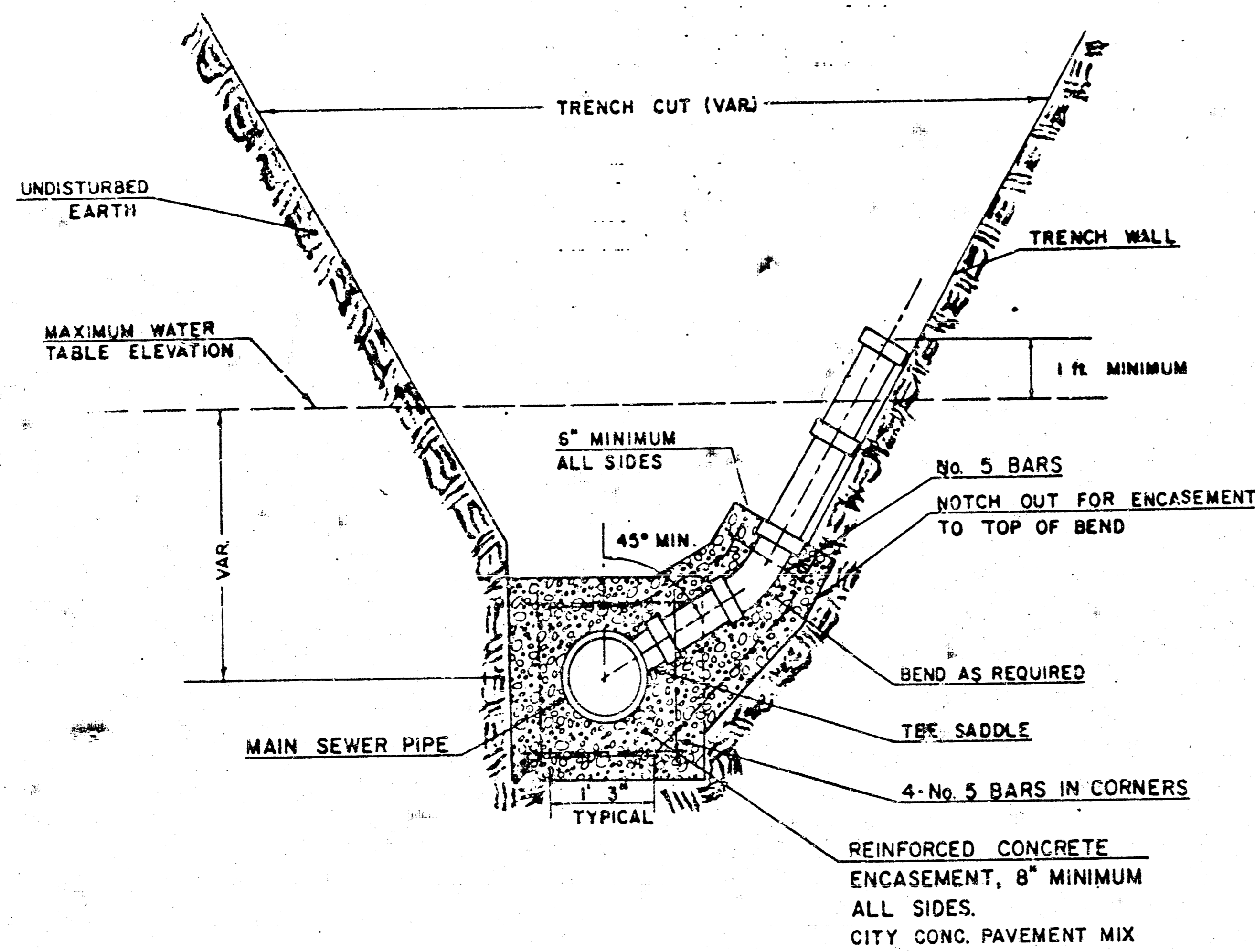
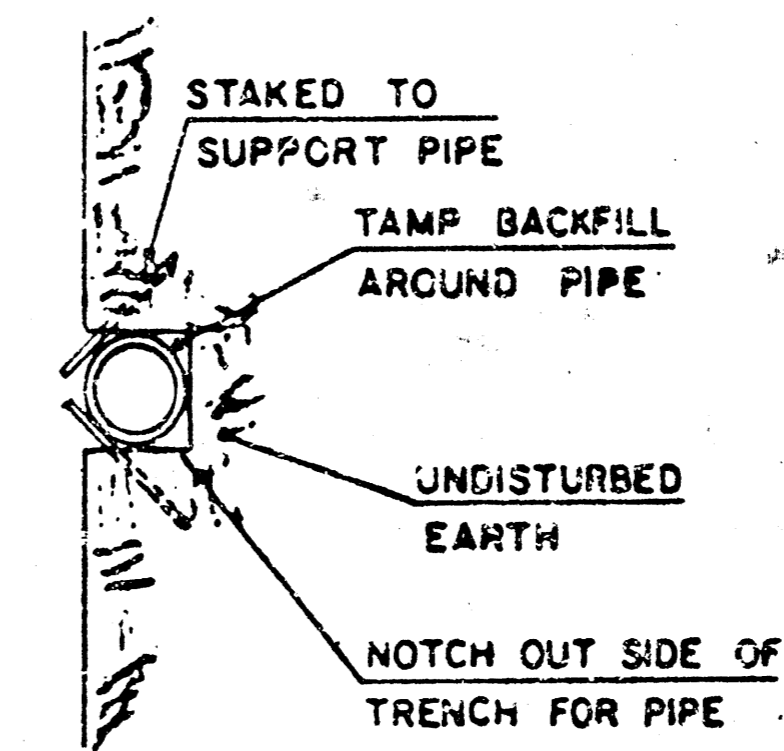
CITY OF WICHITA, KANSAS

**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 MANHOLE 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. ENCASUREMENT 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. ENCASUREMENT OF A.S.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 COMPRESSION JOINTS AS SPECIFIED FOR CLAY PIPE IN THE STANDARD SPECIFICATIONS. FOUR INCH AND SIX INCH A.S.S. OR P.V.C. PIPE SHALL BE PIPE APPROVED FOR USE IN THE CITY BY THE CHIEF FLOODING AND MECHANICAL INSPECTOR FOR THE CENTRAL INSPECTION DIVISION OF THE DEPARTMENT OF BUSINESS AND ECONOMIC DEVELOPMENT. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN COLORED TAPE TO THE END OF THE RISER WHICH SHALL BE EXTENDED TO THE GROUND SURFACE AS THE EXCAVATION IS COMPLETED. 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.

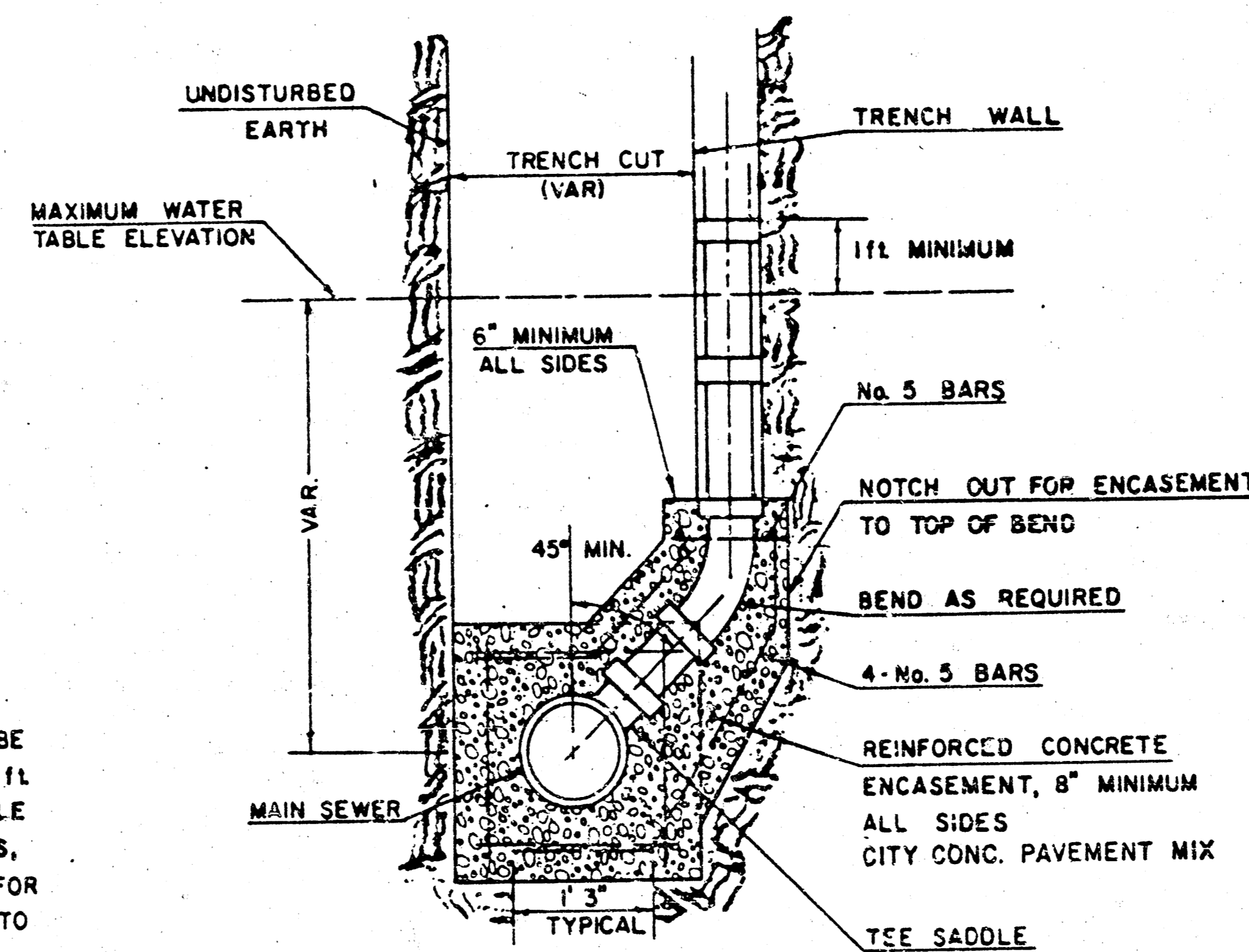
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT-PRICES AID FOR 4" PIPE, 6" PIPE AND REINFORCED CONCRETE ENCASUREMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED, WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING SADDLES, BENDS, CONCRETE, REINFORCING STEEL, CAPS OR PLUGS, AND ALL OTHER NECESSARY MATERIALS OR WORK. CONCRETE ENCASUREMENT 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 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

CITY OF WICHITA, KANSAS  
 BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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