

# LATERAL 242, S. W. INTERCEPTOR

## SANITARY SEWER IMPROVEMENTS

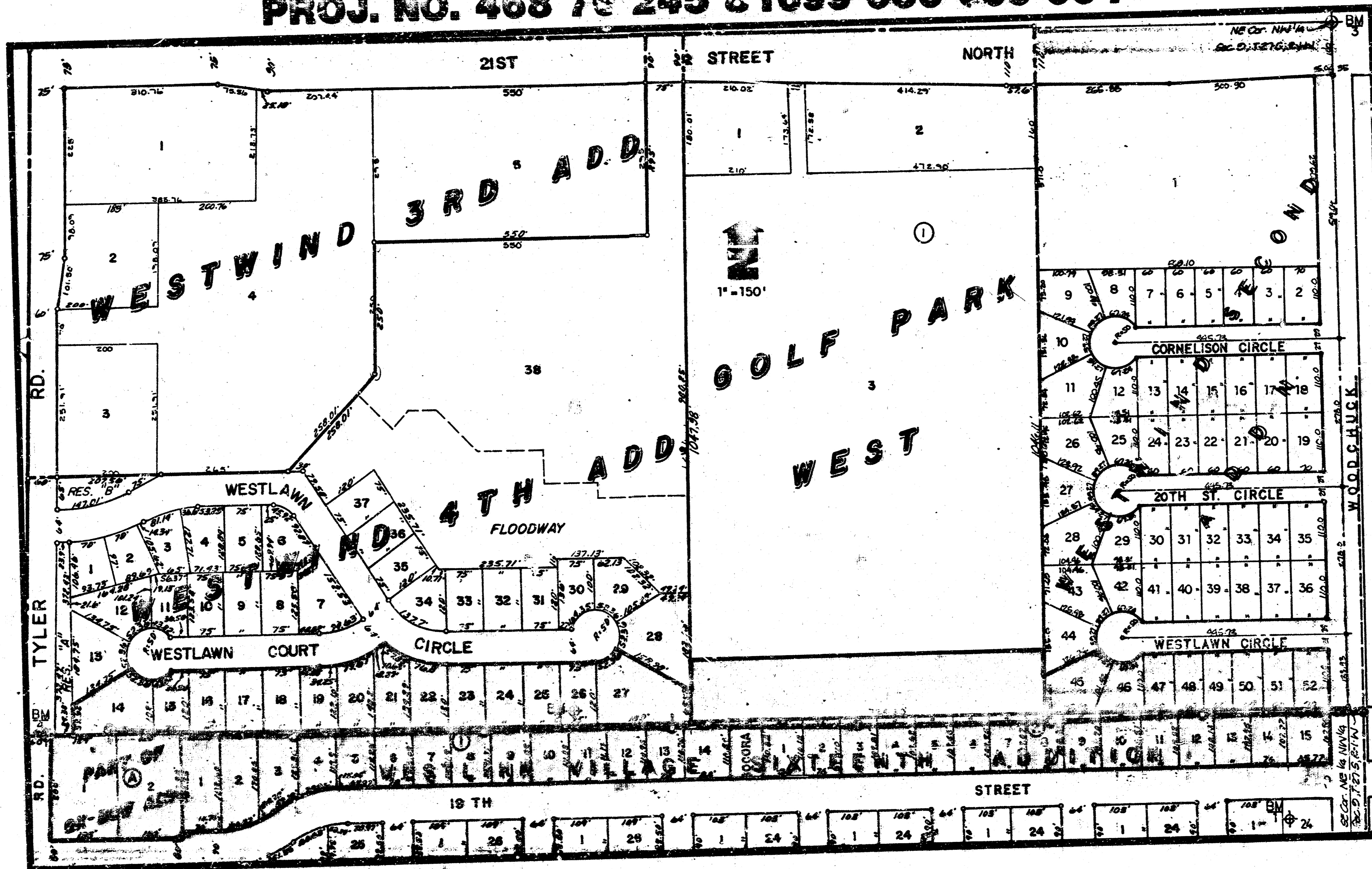
FOR

- LOTS 1 and 2, BLOCK A, OX-BOW ADDITION
- LOTS 1 thru 14 inclusive, BLOCK 1; LOTS 1 thru 15 inclusive, BLOCK 2; WESTLINK VILLAGE SIXTEENTH ADDITION
- VACATED SOCCORA ST. R/W adjacent to E.L. LOT 14, BLOCK 1 and the W.L. LOT 15, BLOCK 2
  - South 120' LOT 3, BLOCK 1, GOLF PARK WEST ADDN.
  - LOTS 45 thru 52 inclusive, WESTWIND 2nd. ADDN.
  - LOTS 14 thru 27 inclusive, WESTWIND 4th ADDN.

### 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.
- 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 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.

PROJ. NO. 468 70-245 81699 000 000 001



### BENCHMARKS

- R.R. Spike in 'Lanc' trac (NE 1/4 side) 108.11. So. & 97.11. W. of NE Cor. Lot 16, Blk. 2, Westlink Village 16th Addn. Elev. = 157.75 City datum
- R.R. Spike in E. side of Cedar trac @ Sta 121.00(+), 132.11(+), So. E. Westlawn Cir. (4th trac W. of E. end of Cedar trac from Cir. = 162.34 City datum
- Top of Iron in thimble @ N 1/4 Cor. (NE Cor. NW 1/4 Sec. 9, T-27-S, R-1-W) Inter-section 21st Street & Woodchuck Elev. = 162.70 City datum
- R.R. Spike in Poplar (W. side) 121.11. W. & 211. So. of SW Plat Cor. of 'Res. A', Westwind 4th Addn. Elev. = 174.30 City datum

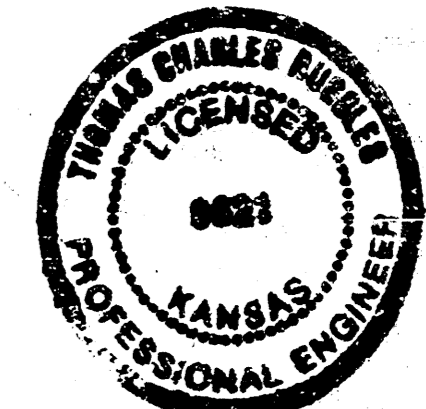
BUILT AS PER PLAN 1-89 ROL

CITY of WICHITA, KANSAS

MICHAEL E. LINDEBAK  
CITY ENGINEER

### INDEX of SHEETS

- Title Sheet
- Plan / Profile Sta. 0+00 to Sta. 10+20
- Plan / Profile Sta. 10+20 to Sta. 21+50
- Plan / Profile Sta. 21+50 to Sta. 25+25.5
- Riser Detail



IMPROVEMENT DISTRICT

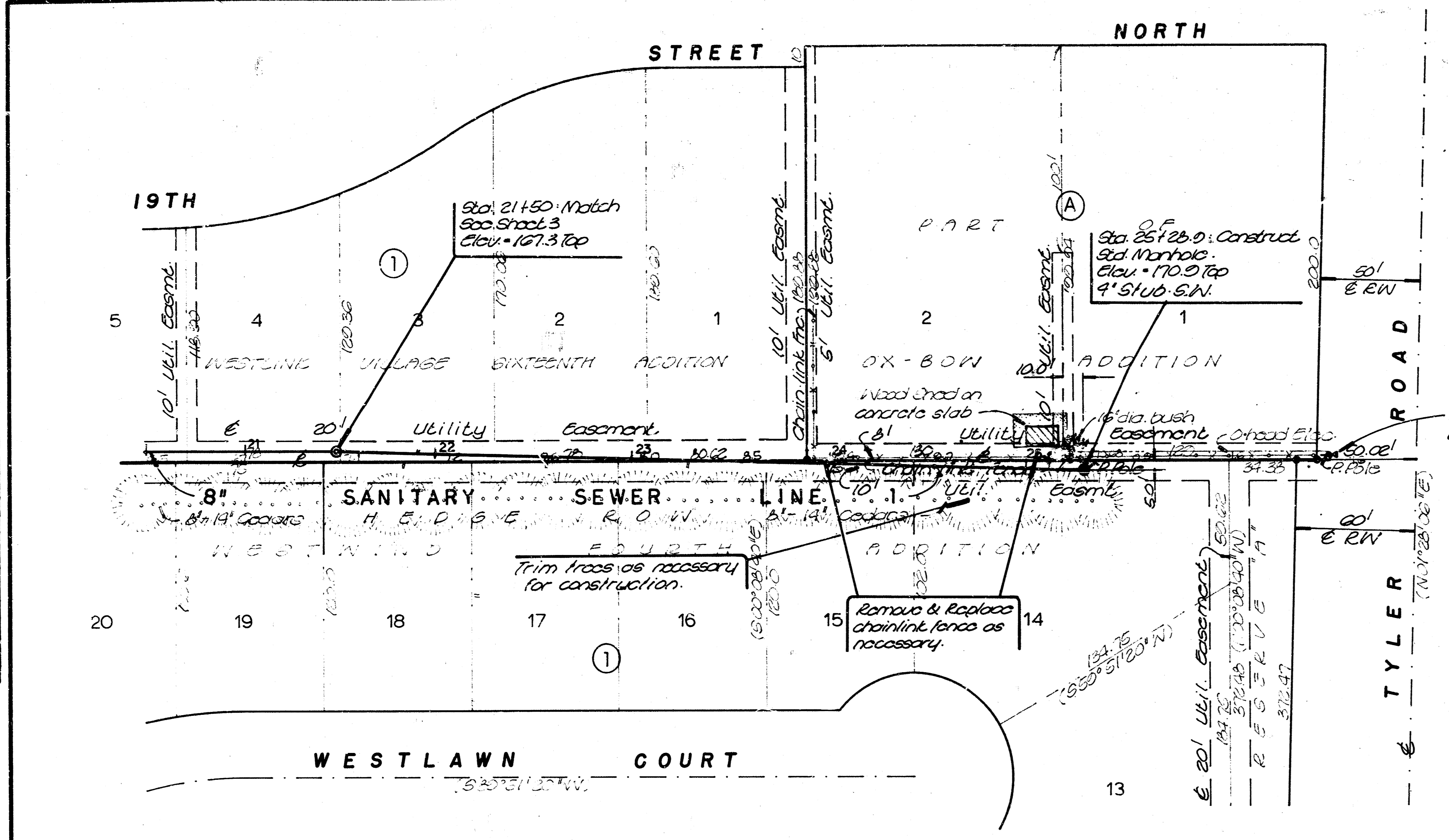
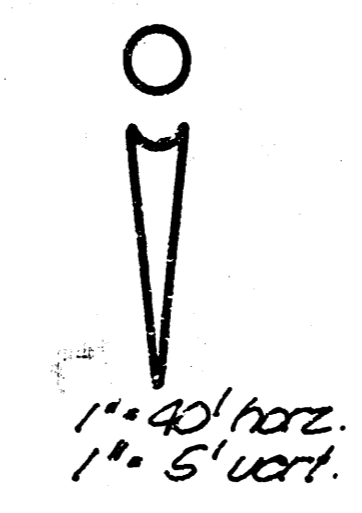
Rev. 27 Jul 88	Relocate into 1-21+50 to 222	662
Rev. 26 Jun 88	Disc info added	662
TITLE SHEET		1/5
BAUGHMAN COMPANY, P.A. SURVEYING & ENGINEERING 310088-7271 • 315 ELLIS • WICHITA, KANSAS 67211		
Drawn: T. Ruppel	Checked: G. J. Jr.	Scale: as noted
Approved: [Signature]	Date: Mar 88	Sheet: 1 of 5





4" SERVICE RISER SCHEDULE SEE RISER DETAIL SHEET 5

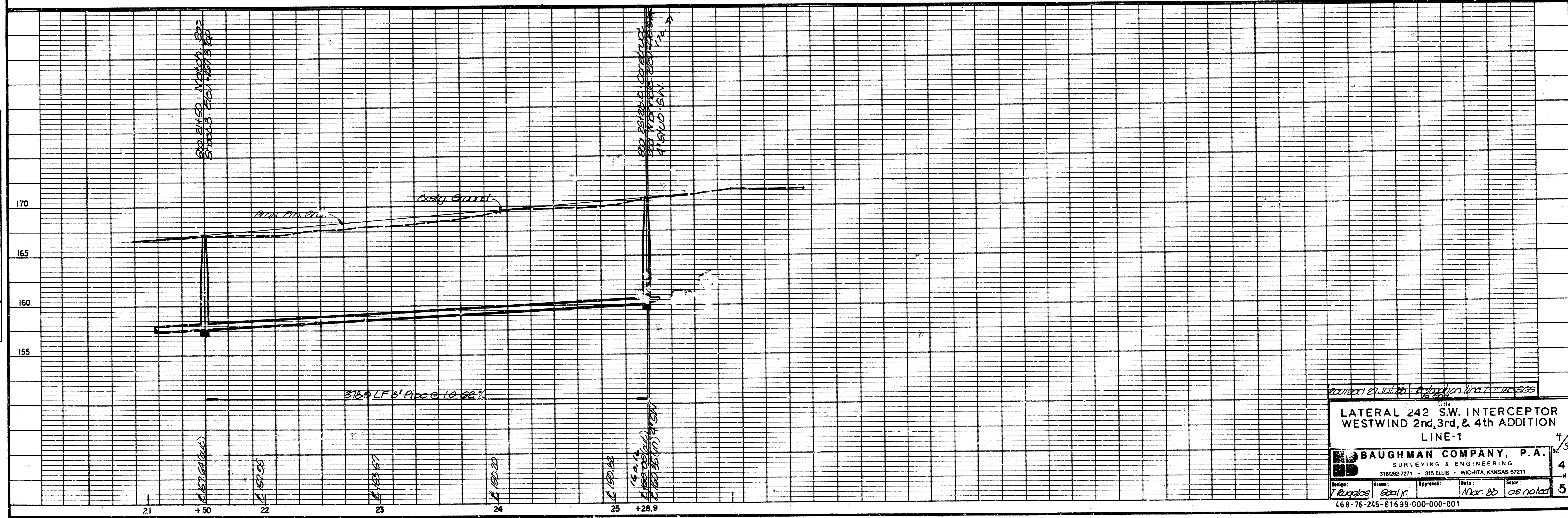
STATION	Flt. ELEV.	TOP ELEV.	STATION	Flt. ELEV.	TOP ELEV.
0182	142.33	142.33	0188	148.75	151.75
0185	142.35	142.35	0191	149.00	152.00
1192	142.57	142.57	0194	149.30	152.30
1195	142.58	142.58	0197	149.60	152.60
2102	142.80	142.80	0200	149.90	152.90
2105	142.82	142.82	0203	150.20	153.20
2108	142.85	142.85	0206	150.50	153.50
2112	142.88	142.88	0209	150.80	153.80
3122	143.05	143.05	0212	151.10	154.10
3125	143.08	143.08	0215	151.40	154.40
3128	143.10	143.10	0218	151.70	154.70
4142	143.77	143.77			
4145	143.80	143.80			
5132	144.14	144.14			
5135	144.17	144.17			
6112	144.45	144.45			



BENCHMARKS

- R.R. Spike in 'Lone' tree (NE-1/4 side) 1/2 mi. S. & 1/2 mi. W. of NE Cor. Lot 15, Blk. 2, Westwind Village 16th Addn. Elev. = 157.75 City datum
- R.R. Spike in E. side of Cedar tree @ Sta 18+00 (S), 18+11 (N) So. E. Westwind Cir. (4th tree W. of E. end of Cedar tree from Elev. = 164.34 City datum
- Top of Iron in Humble & N 1/4 Cor. (NE Cor. NW 1/4 Sec. 9, T-21-S, R-1-W) Inter-section 21st Street & Woodchuck Elev. = 162.70 City datum
- R.R. Spike in Pools (W. side) 1/2 mi. W. & 2 1/2 mi. S. of SW Plat. Cor. of 'Res. A', Westwind 4th Addn. Elev. = 174.30 City datum

Note: Construct 4' eases for lots (N&S) between Sta 0180 and Sta 13+20, Line 1  
(See Riser Schedule, this sheet)



LATERAL 242 S.W. INTERCEPTOR  
 WESTWIND 2nd, 3rd, & 4th ADDITION  
 LINE-1  
**BAUGHMAN COMPANY, P.A.**  
 SURVEYING & ENGINEERING  
 316262-7211 • 315 ELLIS • WICHITA, KANSAS 67211  
 Design: [Signature] Drawn: [Signature] Approved: [Signature] Date: Mar 88 Scale: as noted  
 468-76-245-81699-000-000-001

PLAN  
 SHEET NO. 21  
 NOTE BOOK NO. 2122  
 DATE OF WAY ORDER: [Blank]

PROFILE  
 SHEET NO. 22  
 NOTE BOOK NO. 2122  
 DATE OF WAY ORDER: [Blank]

# VERTICAL RISER DETAIL

ADOPTED AS STANDARD DESIGN  
BY

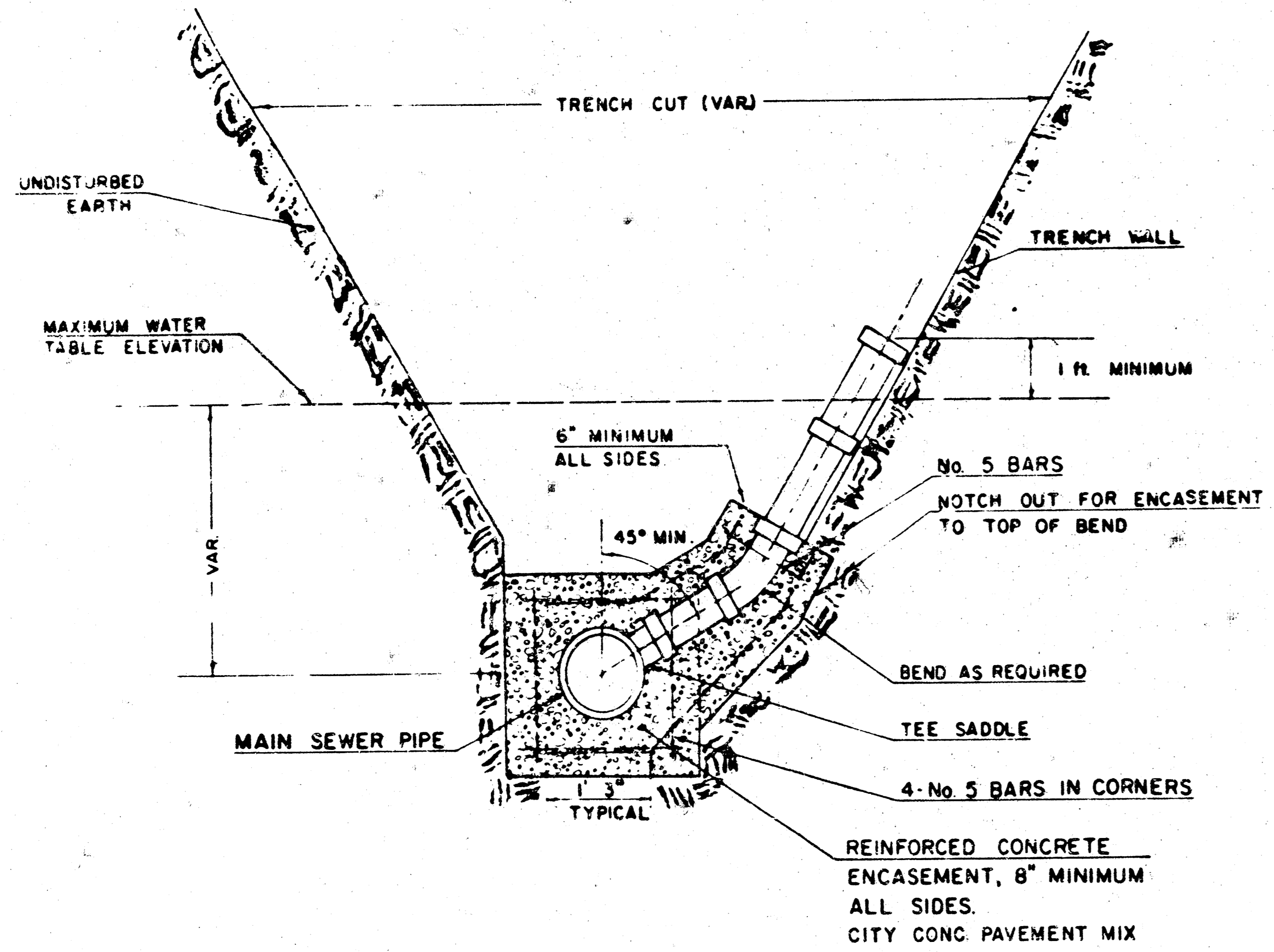
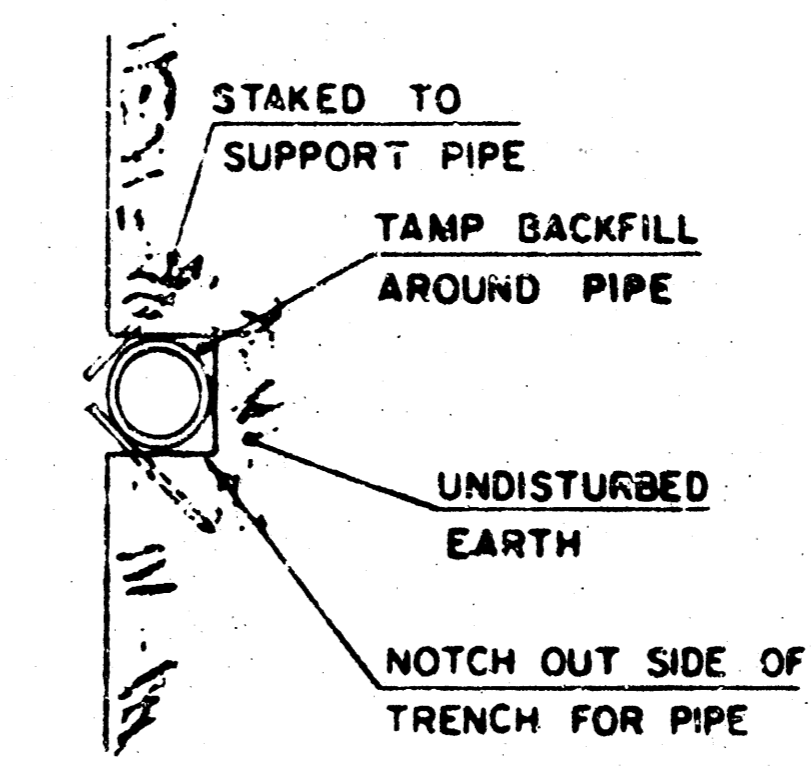
CITY OF WICHITA, KANSAS

**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 DEVELOPPED 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.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 COMPRESSION 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. THE ENDS OF THE RISER PIPE AND MANHOLE STUBS SHALL BE CAPPED 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.

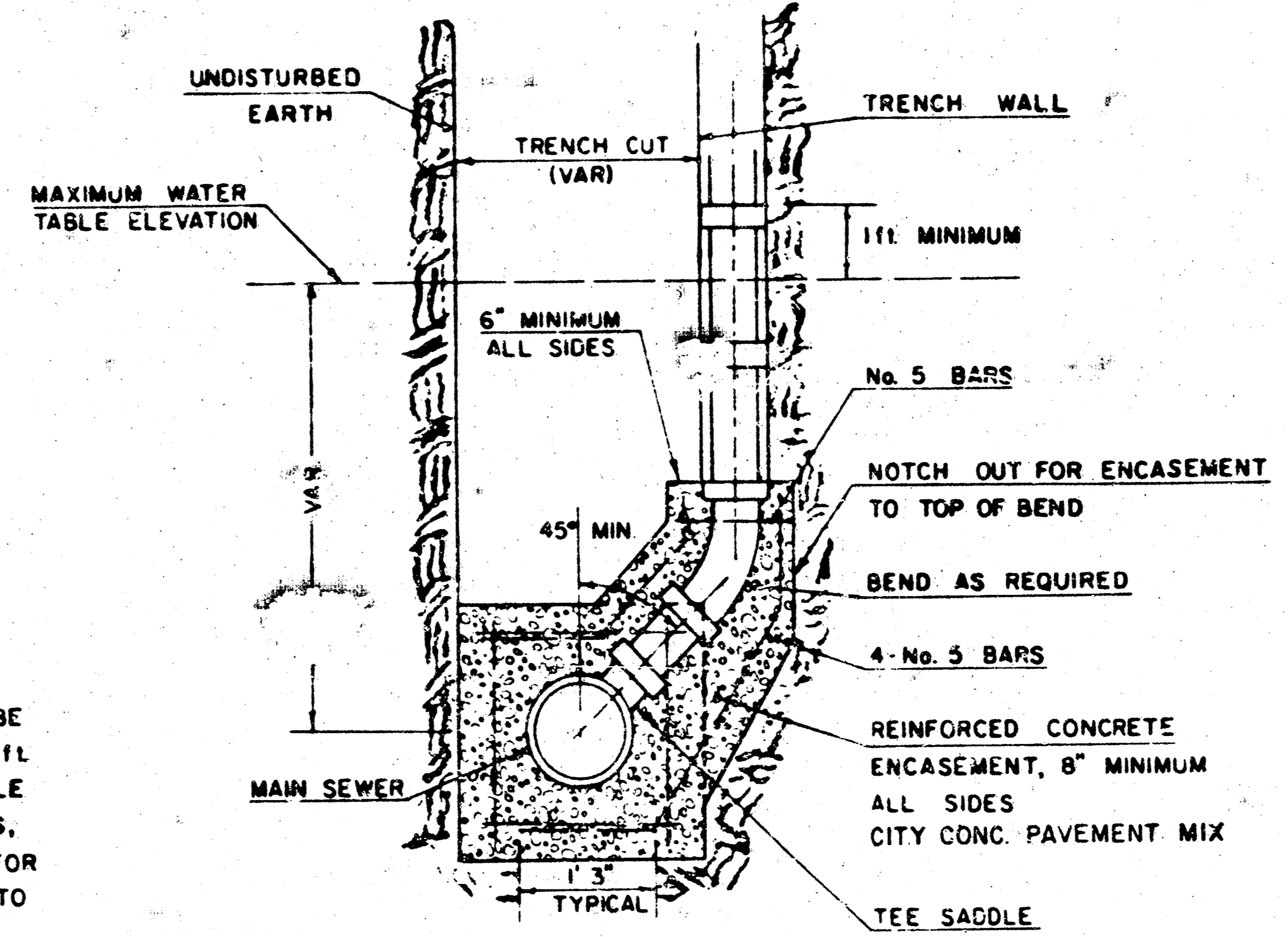
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR "PIPE, 6" PIPE AND REINFORCED CONCRETE ENCASUREMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED; WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING SADDLES, BENDS, CONCRETE, REINFORCING STEEL, CAPS OR PLUGS, AND ALL OTHER NECESSARY MATERIALS OR WORK. CONCRETE ENCASUREMENT OF THE RISER PIPE TO THE TOP OF THE BEND AS SHOWN BY 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

LATERAL 242 S.W. INTERCEPTOR  
RISER DETAILS

5/5

BAUGHMAN COMPANY, P.A.  
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316262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

5/5

468-76-245-81699-000-000-001