

LATERAL 12, MAIN 7, S.S. NO. 23

PROJECT NO.
468-76-245-80530-000-000-001

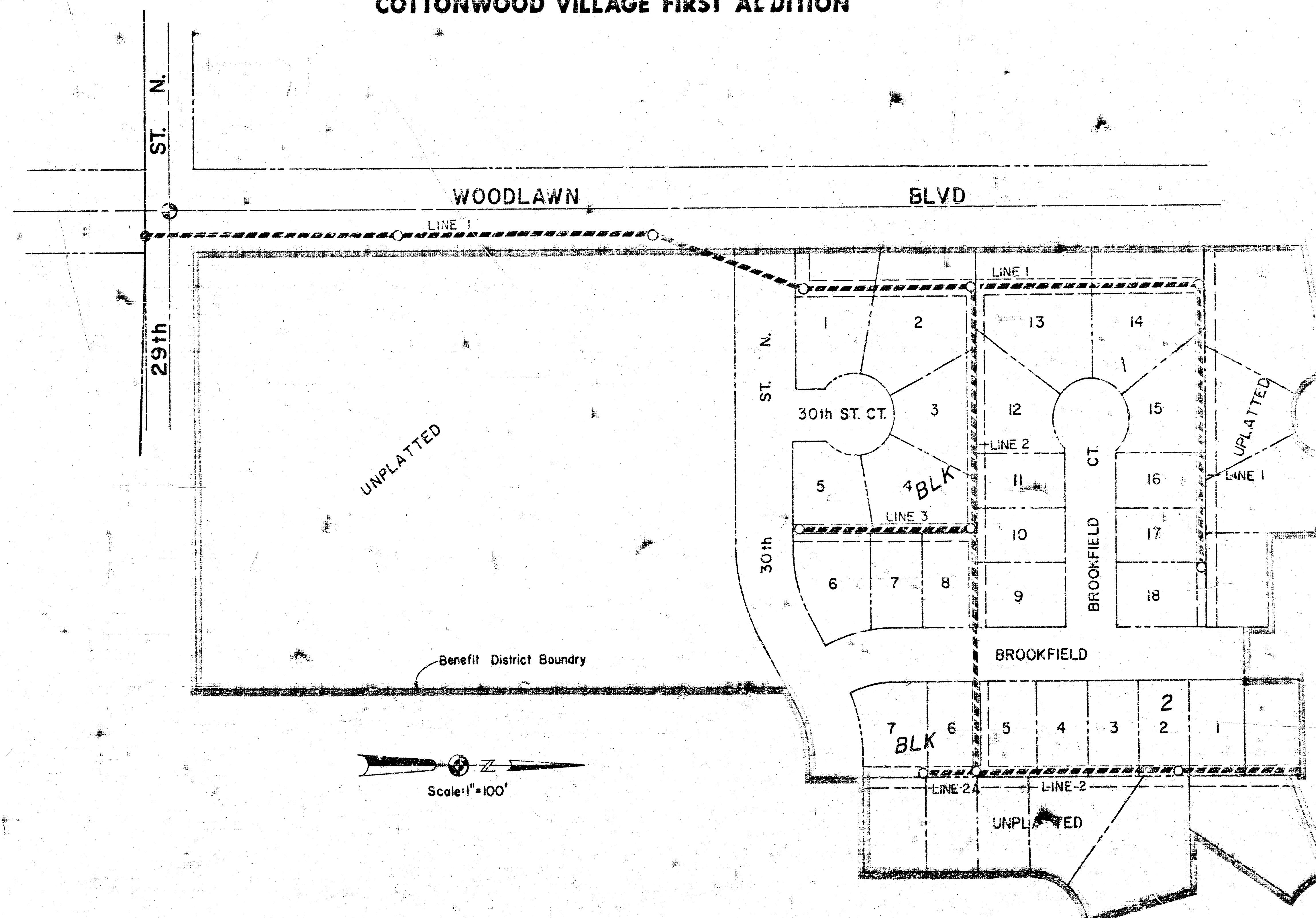
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
MARCH, 1978

NOTE: RISERS AND ADDITIONAL STUBS IN MANHOLES SHALL BE INSTALLED ON THIS PROJECT TO SERVE LOTS WHERE THE DEPTH OF THE 3" SEWER IS GREATER THAN 10 FT., WHERE THE SEWER IS IN ROCK, OR WHERE THE SEWER IS IN GROUND WATER. ELEVATIONS OF STUBS AND TOPS OF RISERS SHALL BE SUCH THAT WILL FACILITATE CONNECTION OF BASEMENT DRAINS WHEN THESE LOTS ARE DEVELOPED. RISER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SLOPING TRENCH WALL AS SHOWN ON STANDARD RISER DETAIL SHEET. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN PLASTIC COLORED TAPE TO THE END OF THE RISER AND BROUGHT TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. ALL RISERS SHALL BE CONSTRUCTED USING A.B.S. SCHEDULE 40 P.I.P.

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE & LOCATION MAP
2	LINE 1, 2
3	LINE 2, 3A, 3
4-5	SEWER AFFURTENANCES

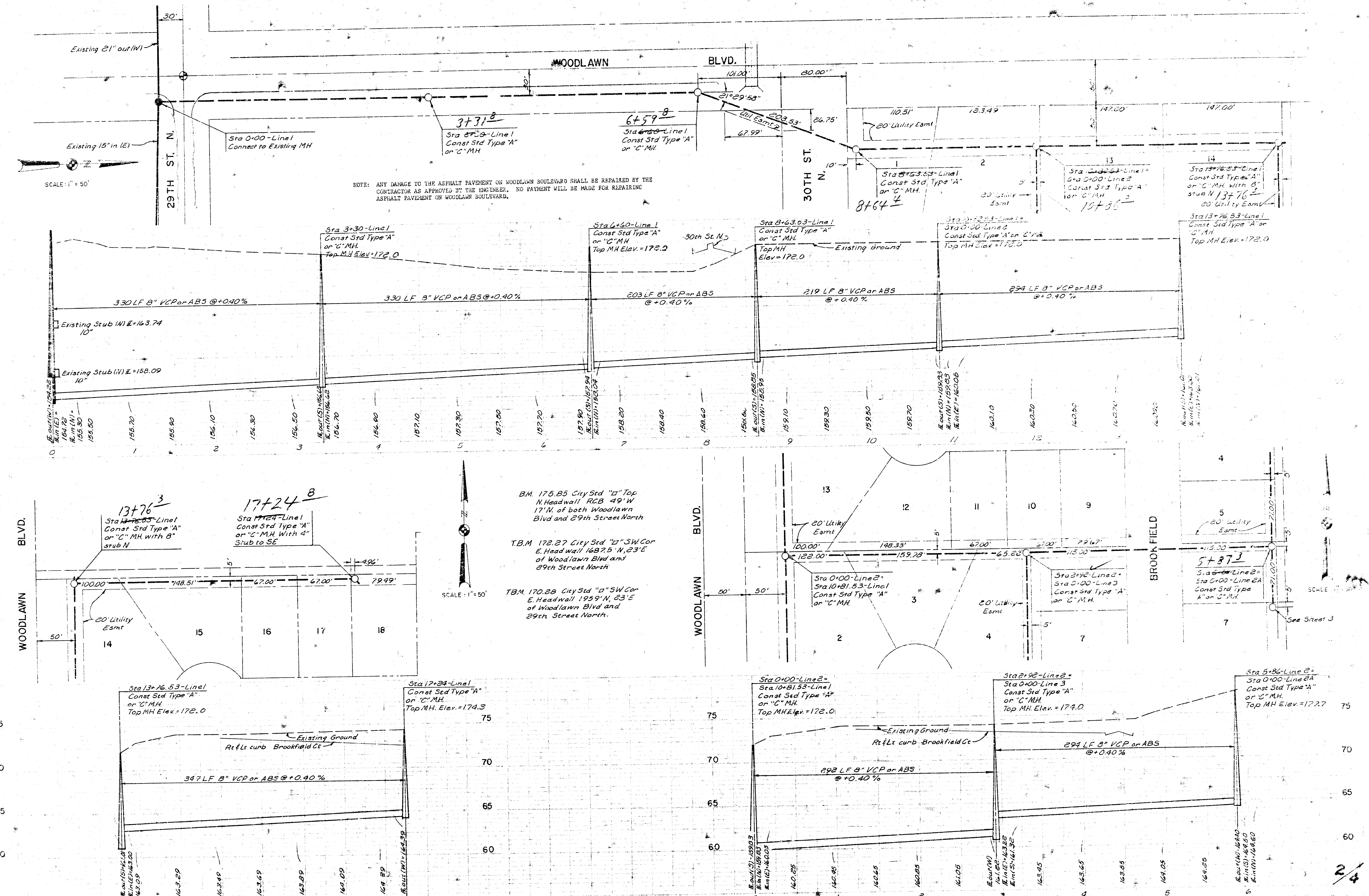
COTTONWOOD VILLAGE FIRST ADDITION



As built 9-11-78

VAN DOREN - HAZARD - STALLINGS
ARCHITECTS - ENGINEERS - PLANNERS
WICHITA, KANSAS

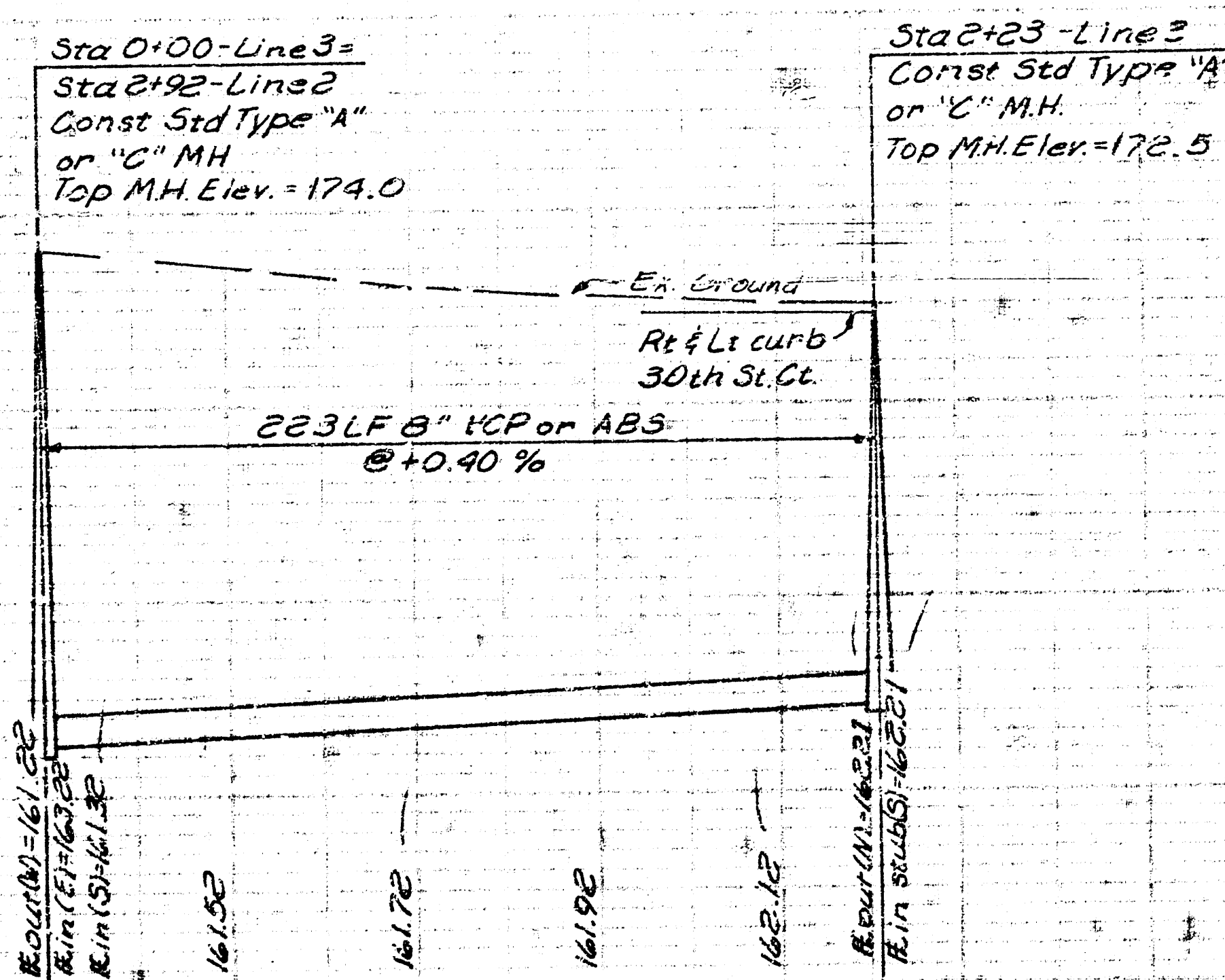
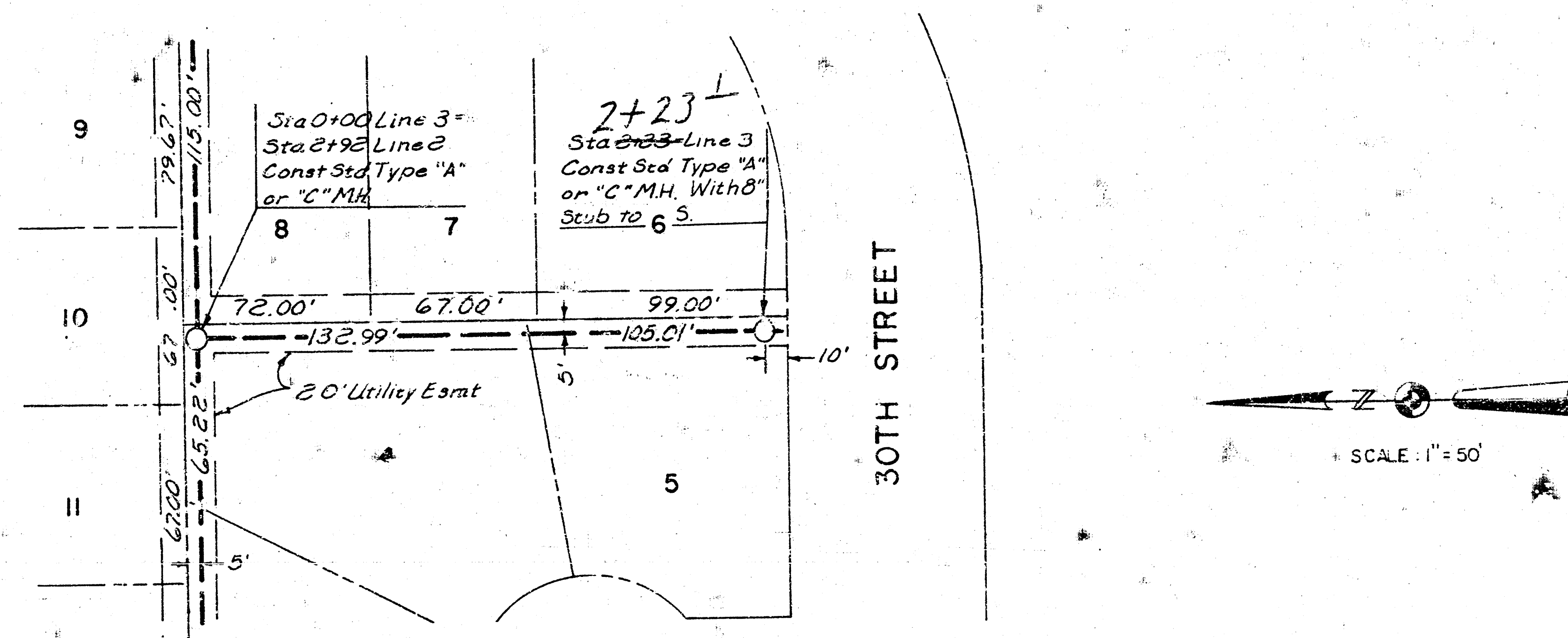
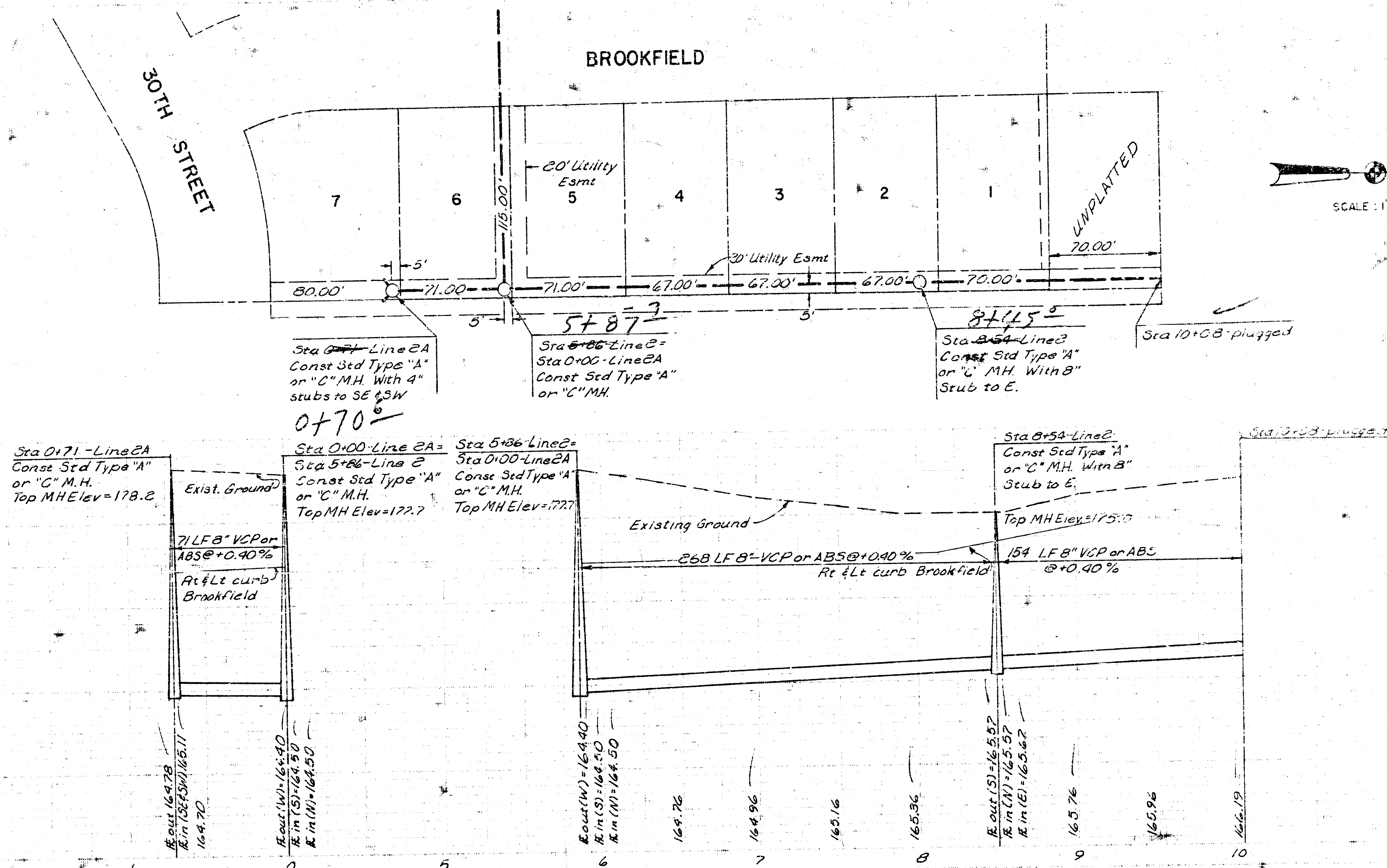
SHEET
1
OF
4



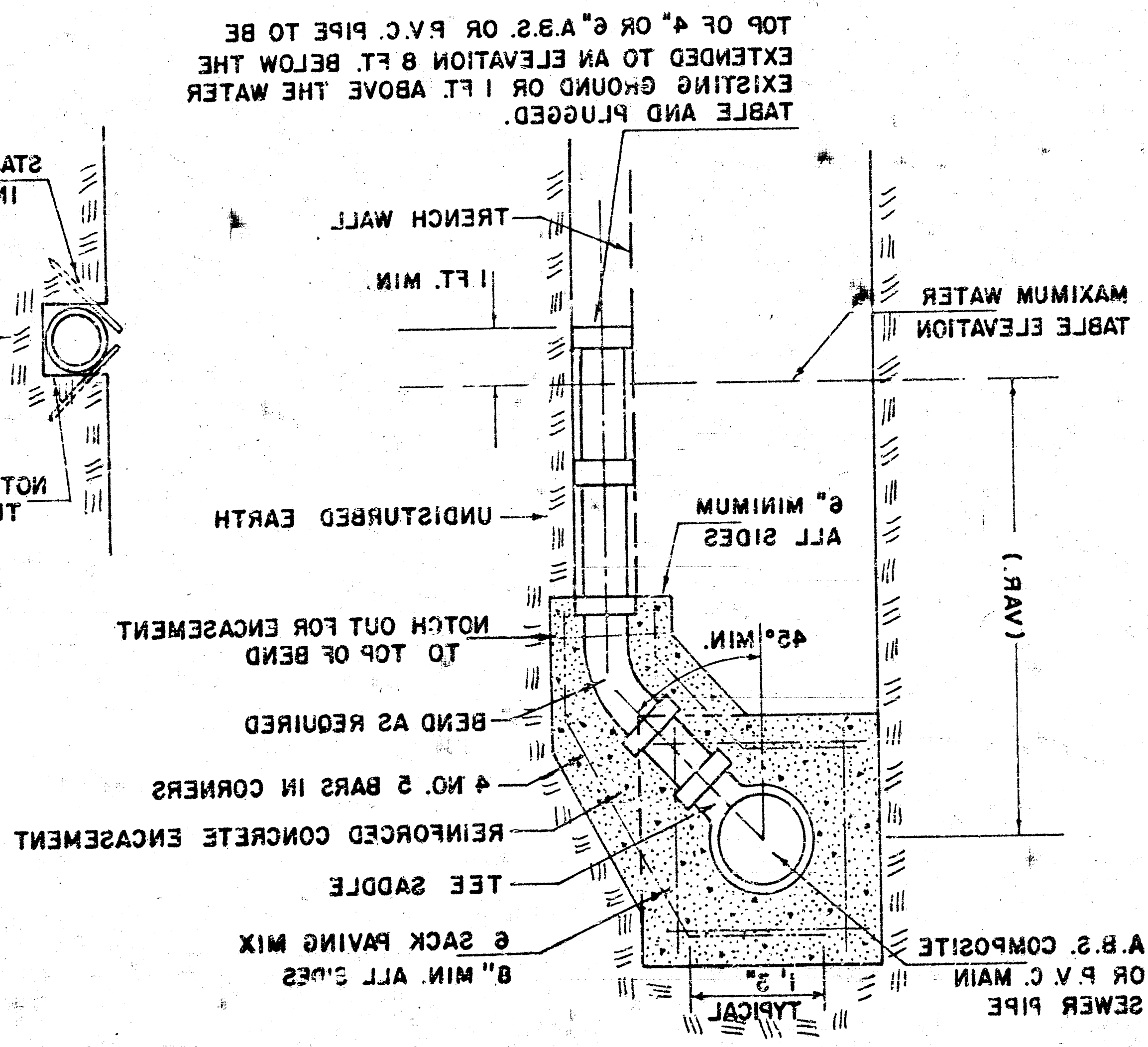
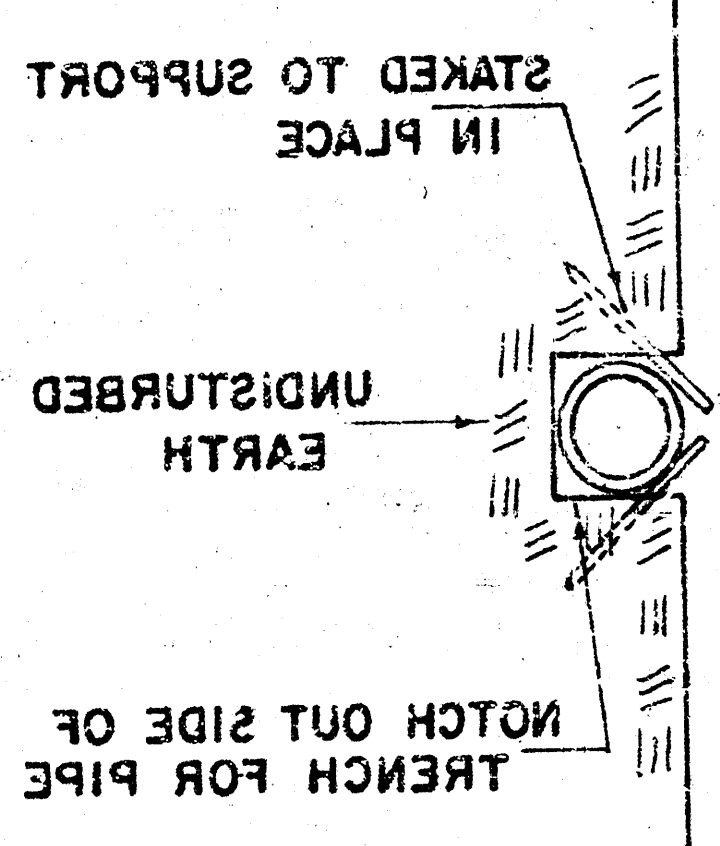
B.M. 175.85 City Std. "D" Top
N. Head wall RCB 49' W,
17' N of both Woodlawn Blvd
and 29th Street North.

T.B.M. 172.27 City Std. "D" SW Cor
E. Head wall 1687.5' N, 23' E
of Woodlawn Blvd. and
29th Street North.

T.B.M. 170.28 City Std. "D" SW Cor
E. Head wall 1959' N, 23' E
of Woodlawn Blvd. and
29th Street North.

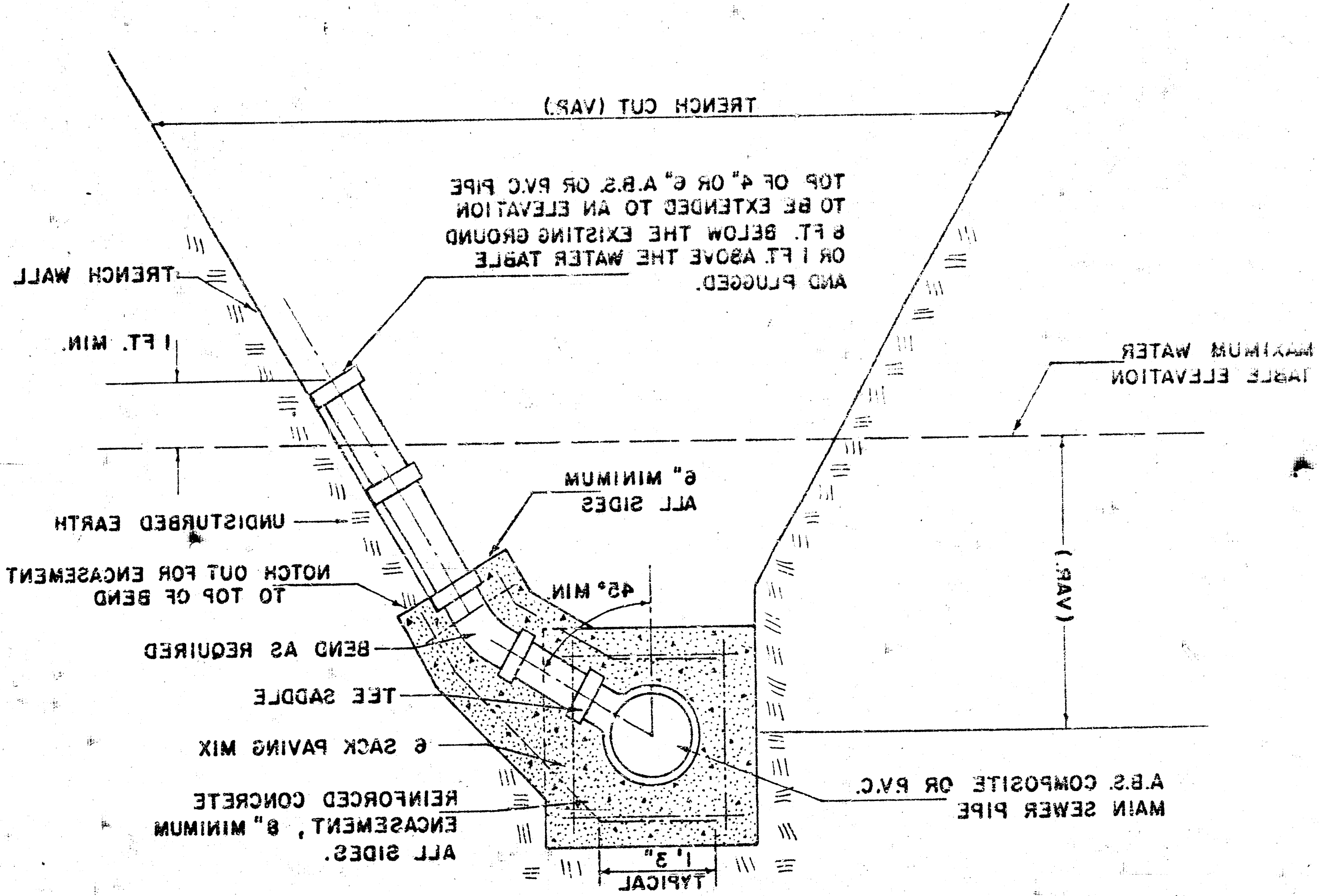


VERTICAL RISER DETAIL
(A.B.S. COMPOSITE OR P.V.C. PIPE RISER)
GENERAL NOTES
(CONTINUED)
CONCRETE ENCASMENT OF A.B.S. OR P.V.C. RISER PIPE TO THE TOP OF THE BEND AS SHOWN BY THE DRAWING WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK. RECORD OF THE STATION OF RISERS INSTALLED, THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. CONTRACTOR'S METHOD FOR SUPPORTING AND BACKFILLING RISER PIPE SHALL BE APPROVED BY THE ENGINEER. THE ENDS OF RISER PIPE SHALL BE CAPPED OR PLUGGED USING FITTINGS FURNISHED BY THE MANUFACTURER OF THE RISER PIPE.



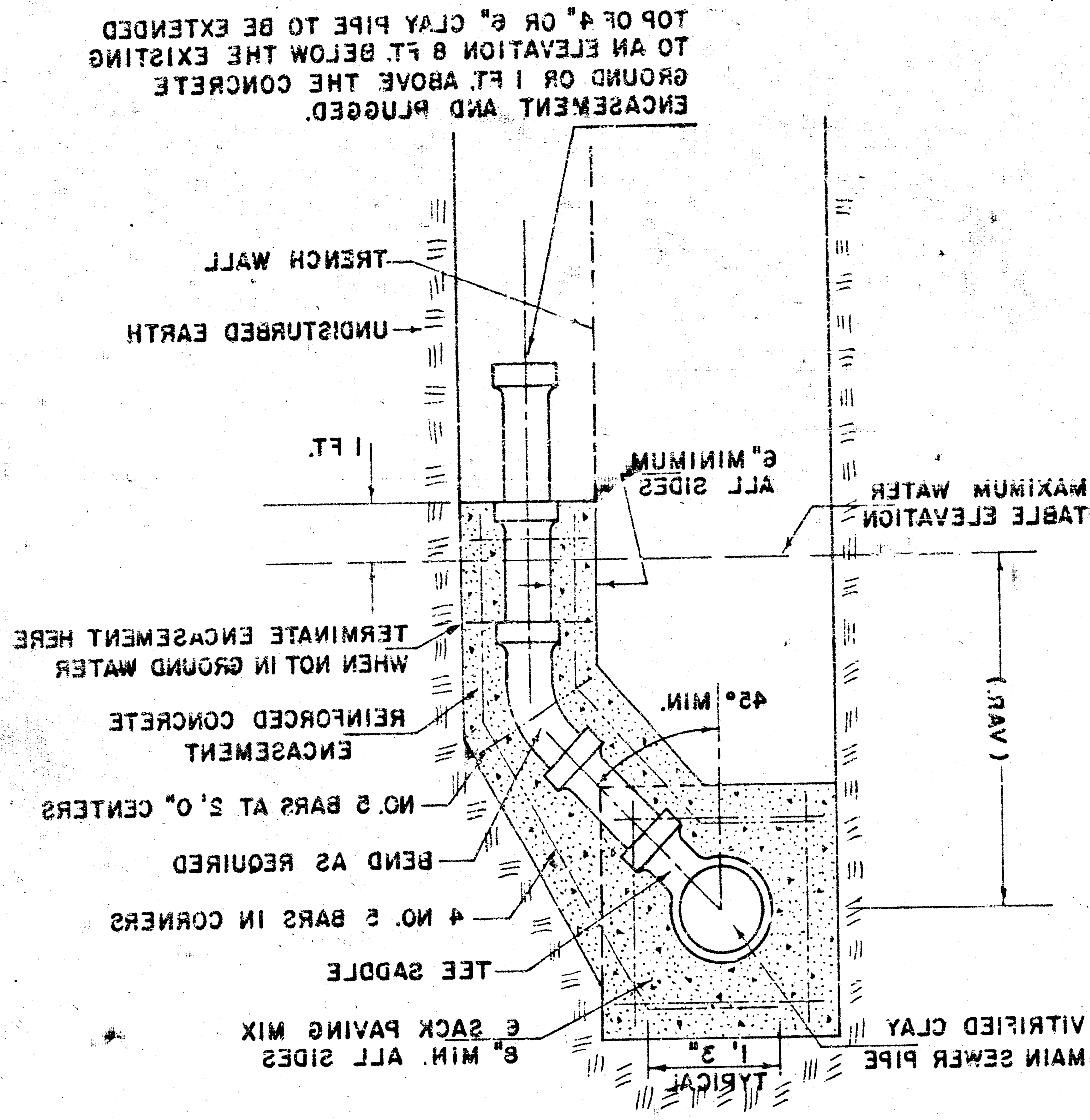
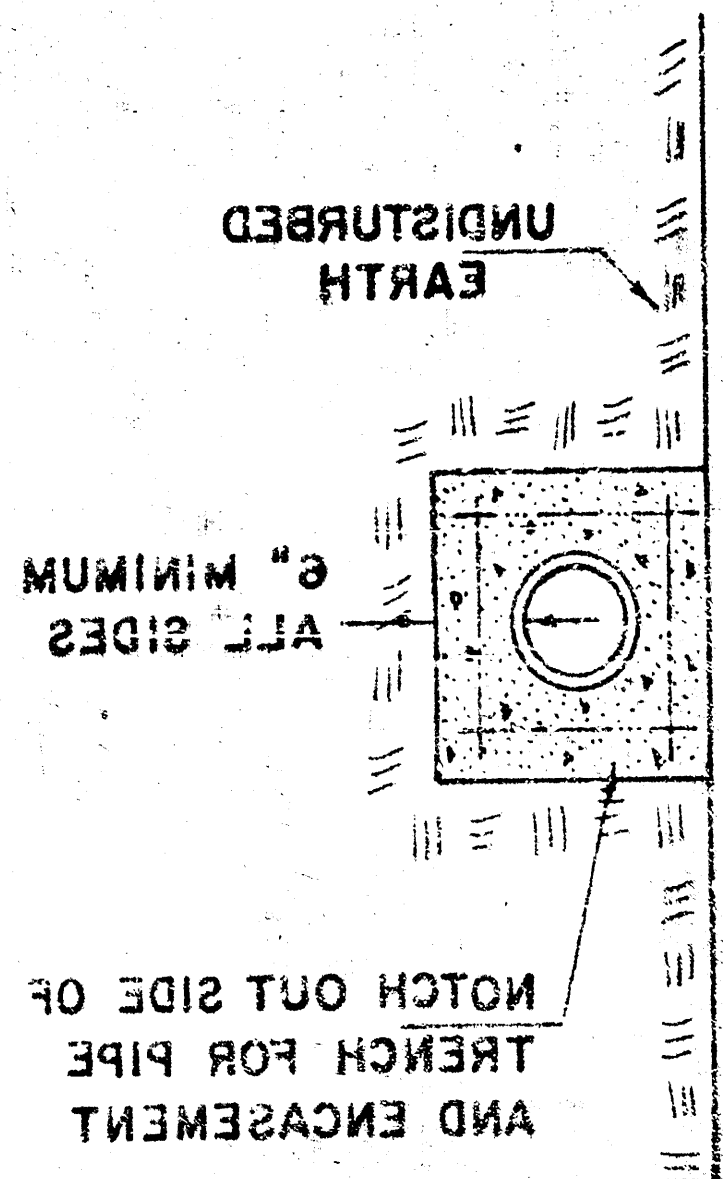
VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
A.B.S. COMPOSITE OR P.V.C. PIPE

VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
A.B.S. COMPOSITE OR P.V.C. PIPE
GENERAL NOTES
(A.B.S. COMPOSITE OR P.V.C. PIPE RISER)
RISERS SHALL BE INSTALLED TO SERVE ALL PROPERTY WHICH IS PRESENTLY DEVELOPED WHEN THE MAIN SEWER LINE IS IN GROUND WATER OR WHEN THE SEWER LINE IS DEEPER THAN 8 FEET. RISERS SHALL BE INSTALLED TO SERVE UNDEVELOPED PROPERTY ONLY WHEN THE MAIN SEWER IS IN GROUND WATER. SIX INCH RISERS SHALL BE INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL PROPERTY AND FOUR INCH RISERS SHALL BE INSTALLED TO SERVE RESIDENTIAL PROPERTY. LOCATION OF RISERS TO SERVE DEVELOPED PROPERTY SHALL BE APPROVED BY THE PROPERTY OWNER. STUBS SHALL BE INSTALLED IN MANHOLES WHERE LOCATIONS OF MANHOLES WILL PROVIDE SATISFACTORY SERVICE CONNECTIONS AS DETERMINED BY THE FIELD ENGINEER OR AS SHOWN BY THE PLANS. ENCASEMENT OF A.B.S. COMPOSITE OR P.V.C. MAIN SEWER PIPE SHALL EXTEND A MINIMUM OF 3 FEET ON BOTH SIDES OF THE CENTERLINE OF THE RISER. FROM INCH OR SIX INCH RISER PIPE SHALL BE ENCASED TO THE TOP OF THE BEND AS INDICATED IN THE DRAWINGS. FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE, AND REINFORCED CONCRETE ENCASMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING TEE SADDLE, TAPPING FEE, FITTINGS AND ALL



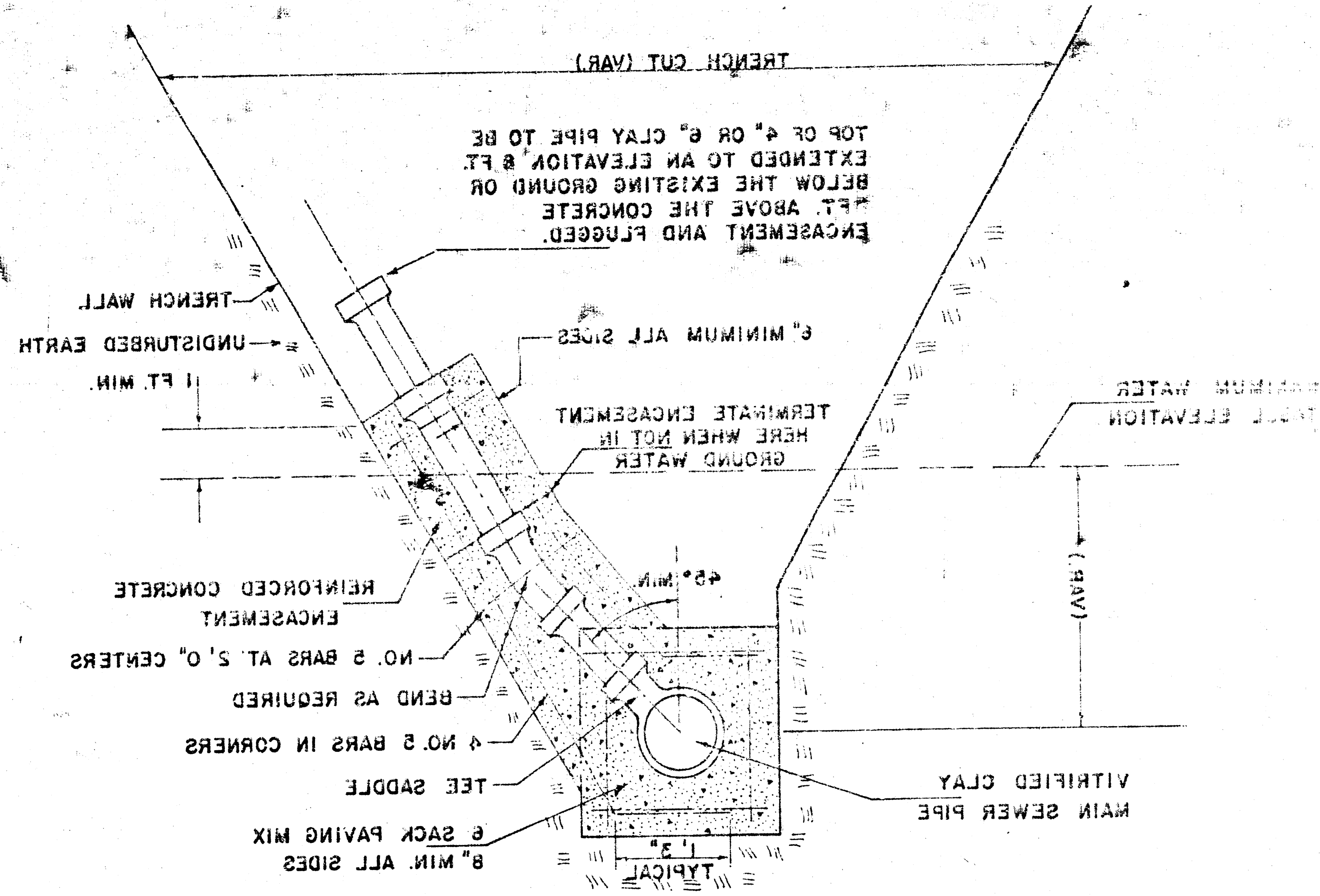
VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
A.B.S. COMPOSITE OR P.V.C. PIPE

VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
CLAY PIPE RISER
GENERAL NOTES
(CONTINUED)
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE, AND REINFORCED CONCRETE ENCASMENT FOR THE VARIOUS PIPE SIZES INDICATED WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING TEE SADDLE, TAPPING FEE, FITTINGS AND ALL OTHER NECESSARY MATERIALS OR WORK. TAP ON VITRIFIED CLAY MAIN SEWER PIPE SHALL BE COMPLETED BY THE CITY MAINTENANCE DEPARTMENT. THE PROJECT INSPECTOR SHALL KEEP A RECORD OF THE STATION OF RISERS INSTALLED, THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. CONTRACTOR'S METHOD FOR SUPPORTING AND BACKFILLING RISER PIPE SHALL BE APPROVED BY THE ENGINEER. THE ENDS OF RISER PIPE SHALL BE CAPPED OR PLUGGED USING FITTINGS FURNISHED BY THE MANUFACTURER OF THE RISER PIPE.



VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
VITRIFIED CLAY PIPE

VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
CLAY PIPE RISER
GENERAL NOTES
(CLAY PIPE RISER)
RISERS SHALL BE INSTALLED TO SERVE ALL PROPERTY WHICH IS PRESENTLY DEVELOPED WHEN THE MAIN SEWER LINE IS IN GROUND WATER OR WHEN THE MAIN SEWER LINE IS DEEPER THAN 8 FEET. RISERS SHALL BE INSTALLED TO SERVE UNDEVELOPED PROPERTY ONLY WHEN THE MAIN SEWER IS IN GROUND WATER. SIX INCH RISERS SHALL BE INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL PROPERTY AND FOUR INCH RISERS SHALL BE INSTALLED TO SERVE RESIDENTIAL PROPERTY. LOCATION OF RISERS TO SERVE DEVELOPED PROPERTY SHALL BE APPROVED BY THE PROPERTY OWNER. STUBS SHALL BE INSTALLED IN MANHOLES WHERE LOCATIONS OF MANHOLES WILL PROVIDE SATISFACTORY SERVICE CONNECTIONS AS DETERMINED BY THE FIELD ENGINEER OR AS SHOWN BY THE PLANS. ENCASEMENT OF VITRIFIED CLAY MAIN SEWER PIPE SHALL EXTEND TO THE FIRST JOINT IN THE MAIN SEWER PIPE ON EACH SIDE OF THE RISER INSTALLATION. ENCASMENT OF 4" OR 6" VITRIFIED CLAY RISER PIPE SHALL EXTEND TO THE FIRST JOINT WHICH IS 1 FOOT OR MORE ABOVE THE MAXIMUM WATER TABLE ELEVATION.



VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)
DETAIL FOR VERTICAL RISER
VITRIFIED CLAY PIPE