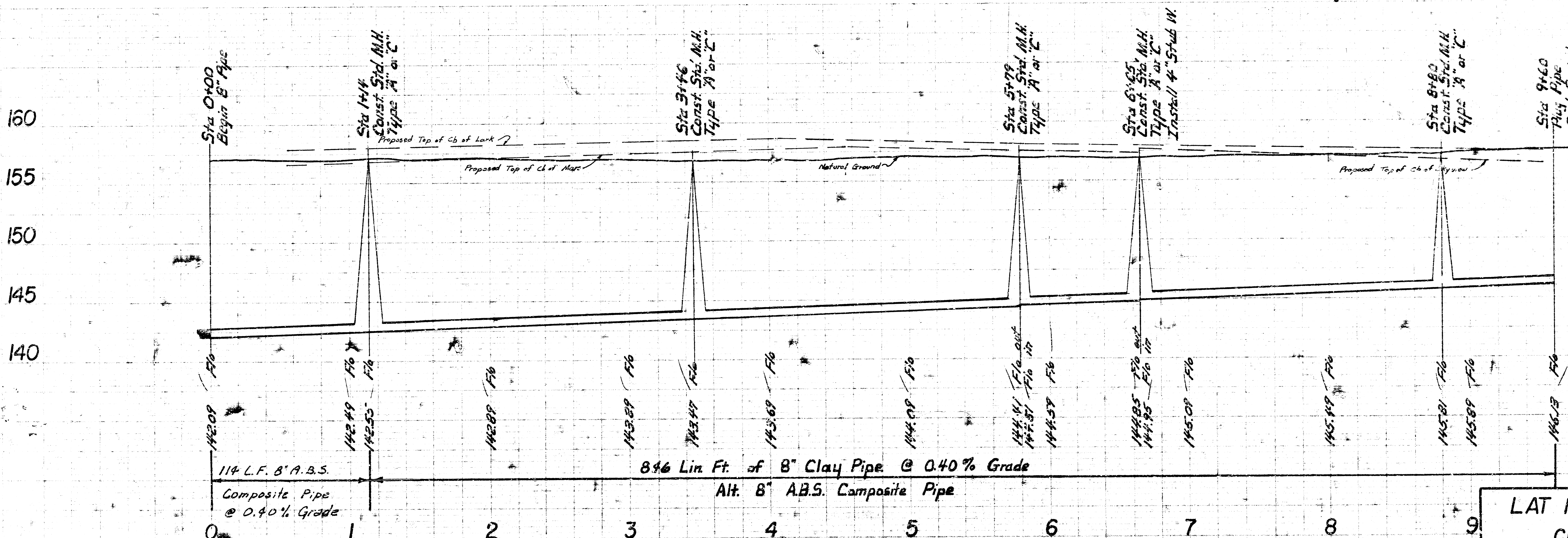
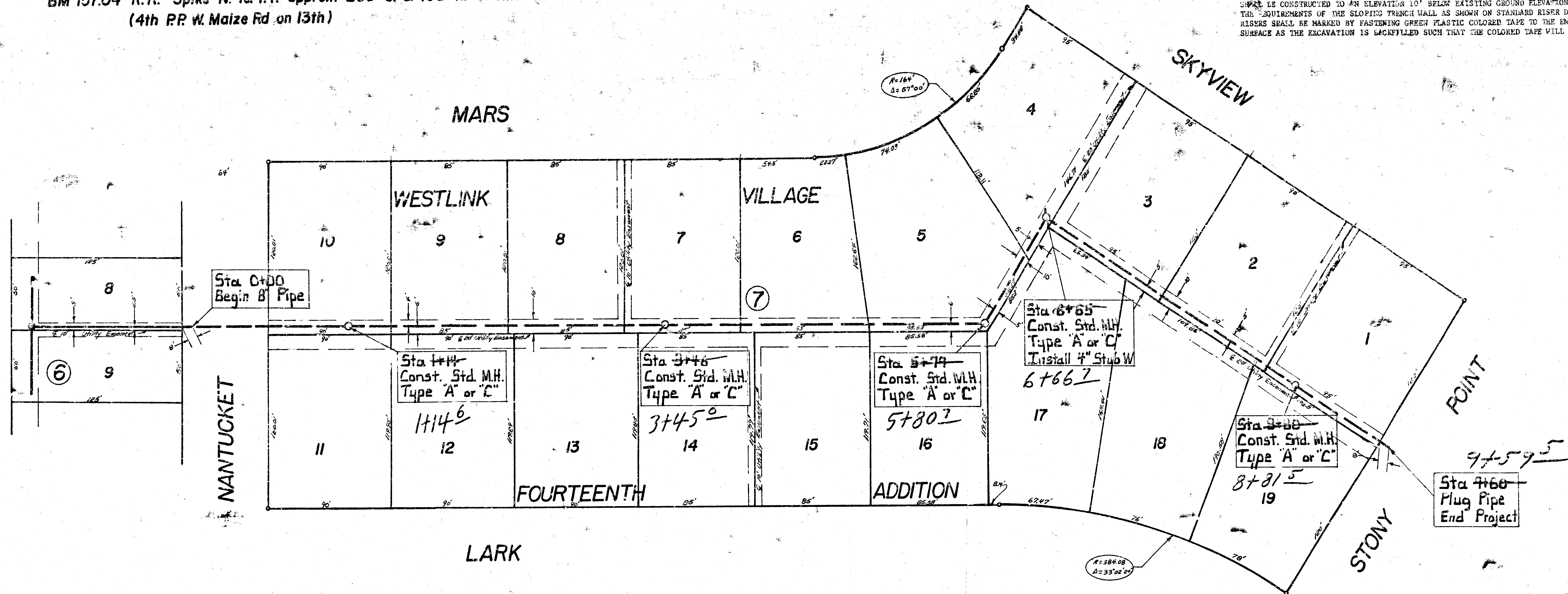


BM 157.04 R.R. Spike N. fa. P.P. approx. 200' S. & 100' W. of N.W. cor. Nantucket & Lark
(4th P.P. W. Maize Rd. on 13th)

NOTE: RISERS OR STUBS IN MANHOLES SHALL BE CONSTRUCTED ON THIS PROJECT TO SERVE LOTS WHERE THE DEPTH OF THE
SEWER IS GREATER THAN 10'. STUBS SHALL BE INSTALLED IN MANHOLES AT ELEVATIONS 10' BELOW EXISTING GROUND.
STUBS BE CONSTRUCTED TO AN ELEVATION 10' BELOW EXISTING GROUND ELEVATION. RISER CONSTRUCTION SHALL CONFORM TO
THE REQUIREMENTS OF THE SLOPING TRENCH HALL AS SHOWN ON STANDARD RISER DETAIL SHEET. LOCATIONS OF THE RISERS
RISERS SHALL BE MARKED BY FASTENING GREEN PLASTIC COLORED TAPE TO THE END OF THE RISER AND BROUGHT TO THE
SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED.

Plan Scale 1" = 40'
Profile Scale 1" = 40' HORIZ.
1" = 5' VERT.



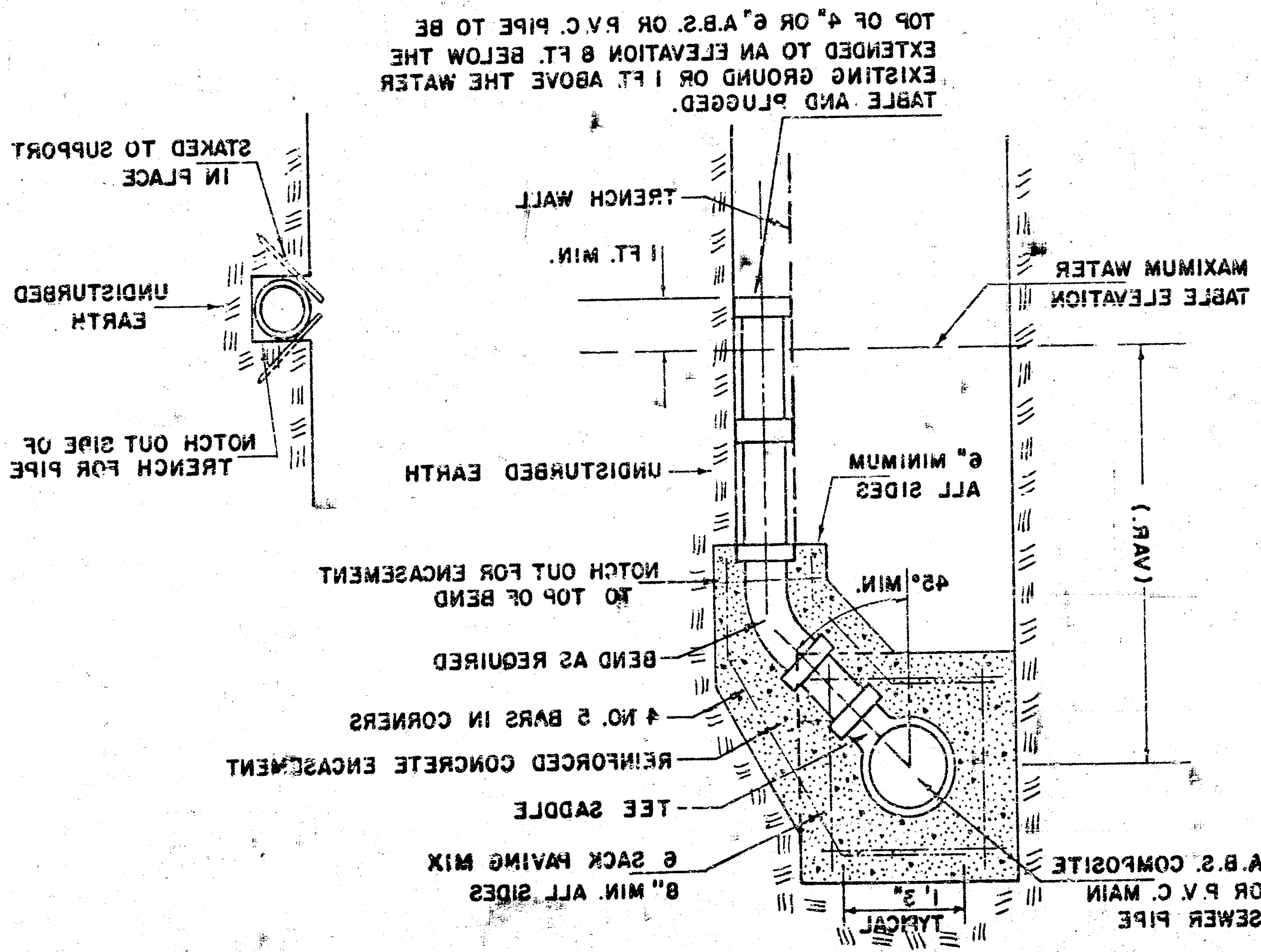
As 6-11-78-7-7-78

LAT 105. SOUTHWEST INTERCEPT
CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINE
PROJ. NO. 468-76-245-80372-000-000-0
DATE

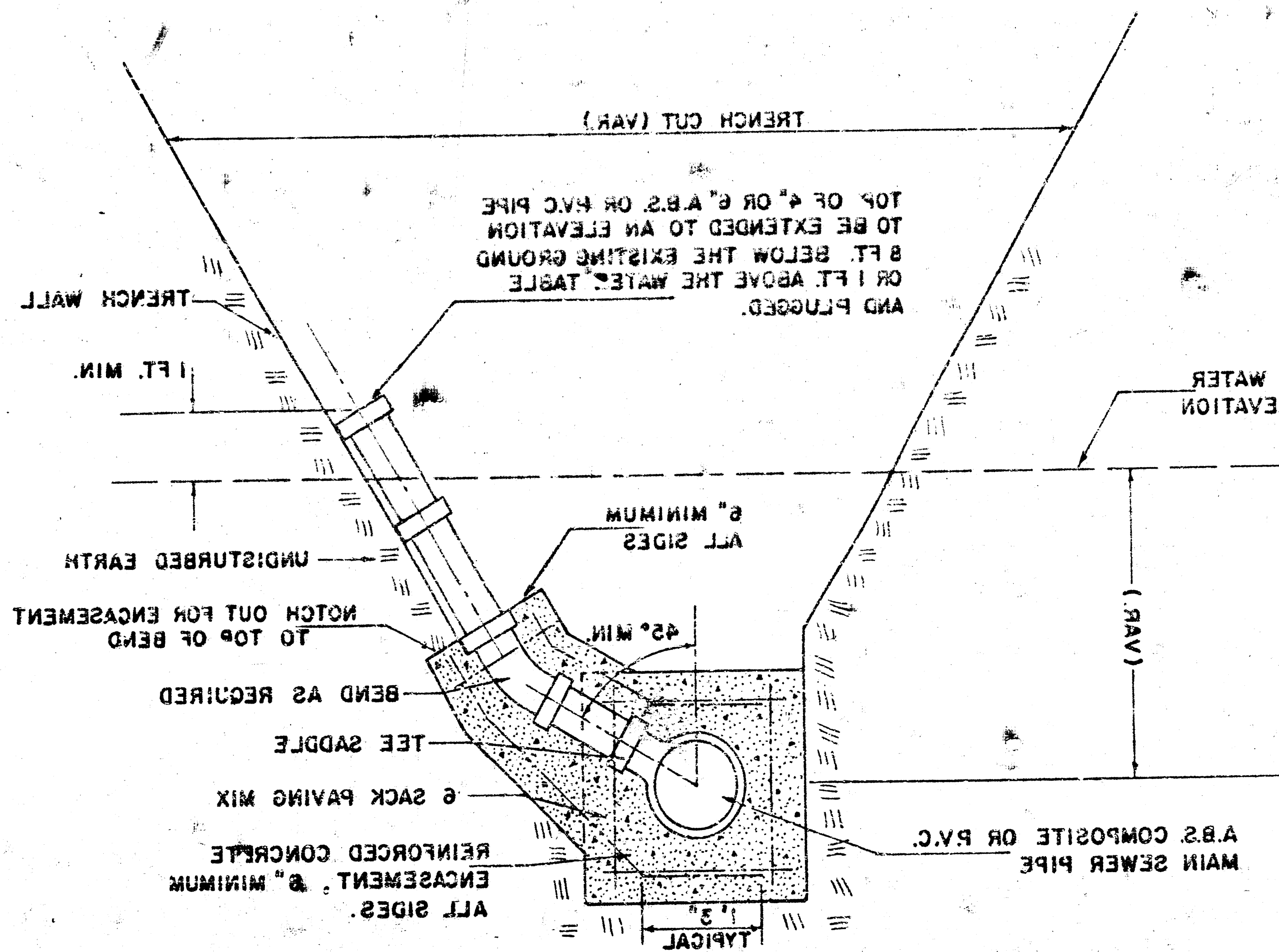
ENGINEERING DIVISION
BY
ADOPTED AS STANDARD DESIGN
VERTICAL RISER DETAIL

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

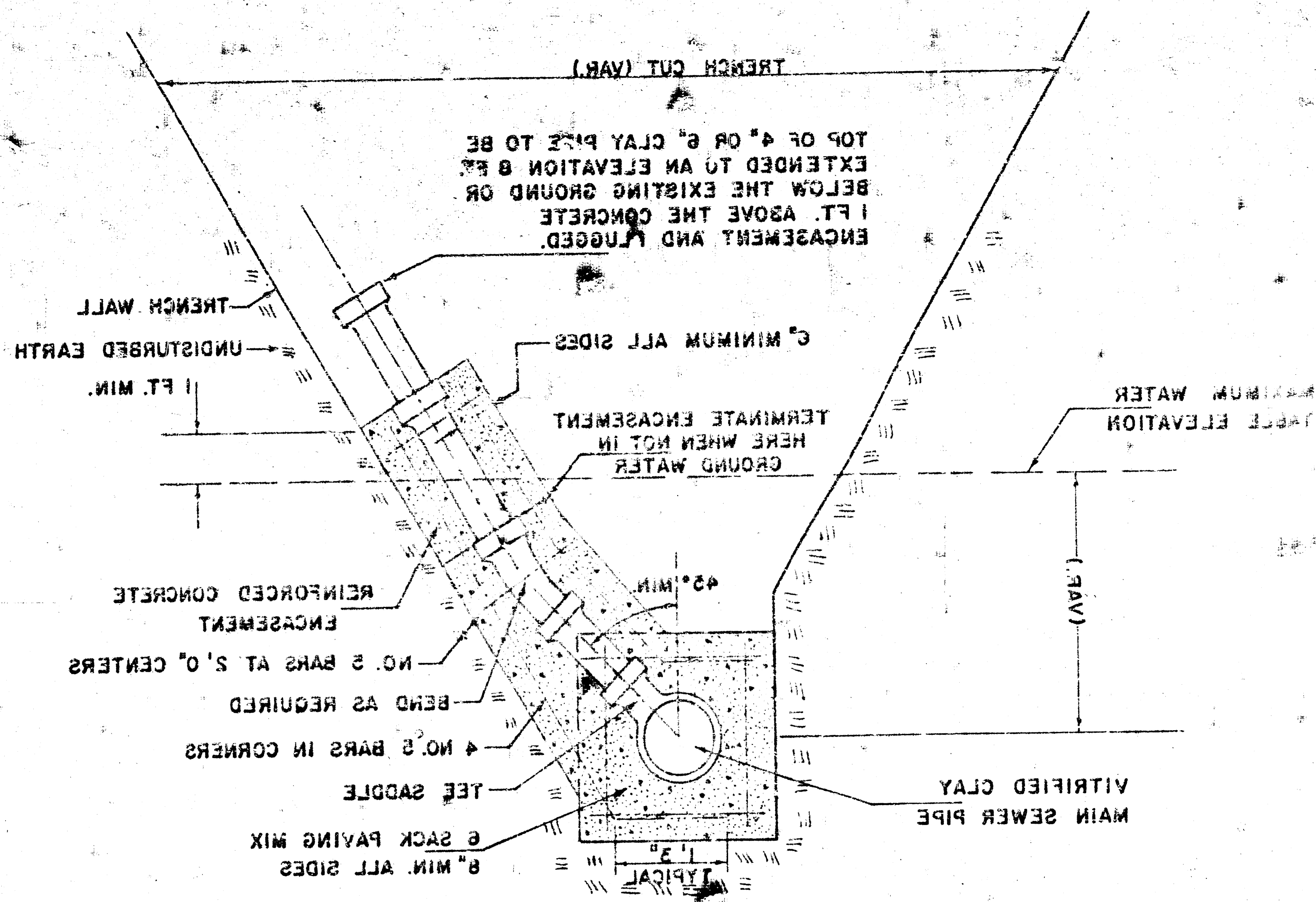


GENERAL NOTES
(A.B.S. COMPOSITE OR P.V.C. PIPE RISER)
RISERS SHALL BE INSTALLED TO SERVE
ALL PROPERTY WHICH IS PRESENTLY
DEVELOPED WHEN THE MAIN SEWER LINE IS
IN GROUND WATER OR WHEN THE MAIN
SEWER LINE IS DEEPER THAN 8 FEET.
RISERS SHALL BE INSTALLED TO SERVE
DEVELOPED PROPERTY ONLY WHEN THE
MAIN SEWER IS IN GROUND WATER. SIX
INCH RISERS SHALL BE INSTALLED TO
SERVE COMMERCIAL OR INDUSTRIAL PROP-
ERTY 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.
RISERS SHALL BE INSTALLED IN MANHOLES WHERE
LOCATIONS OF MANHOLES WILL
PROVIDE SATISFACTORY SERVICE CONNEC-
TIONS AS DETERMINED BY THE FIELD
ENGINEER OR AS SHOWN BY THE PLAN.
INCASEMENT OF A.B.S. COMPOSITE OR
P.V.C. MAIN SEWER PIPE SHALL EXTEND
MINIMUM OF 2 FEET ON BOTH SIDES
OF THE CENTERLINE OF THE RISER.
FOUR INCH OR SIX INCH RISER PIPE SHALL
BE ENCASED TO THE TOP OF THE BEND
AS INDICATED IN THE DRAWINGS.
FINISHING AND INSTALLING RISERS
SHALL BE PAID FOR AT THE UNIT PRICES
FOR 4" PIPE, 6" PIPE, AND REINFORCED
CONCRETE ENCASEMENT FOR THE VARIOUS
MAIN SEWER PIPE SIZES INSTALLED WHICH
PRICE SHALL INCLUDE ALL COSTS FOR COM-
PLETION OF THIS ITEM INCLUDING THE
DOUBLE TAPPING FEE, FITTINGS AND ALL
OTHER NECESSARY MATERIALS OR WORK.

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

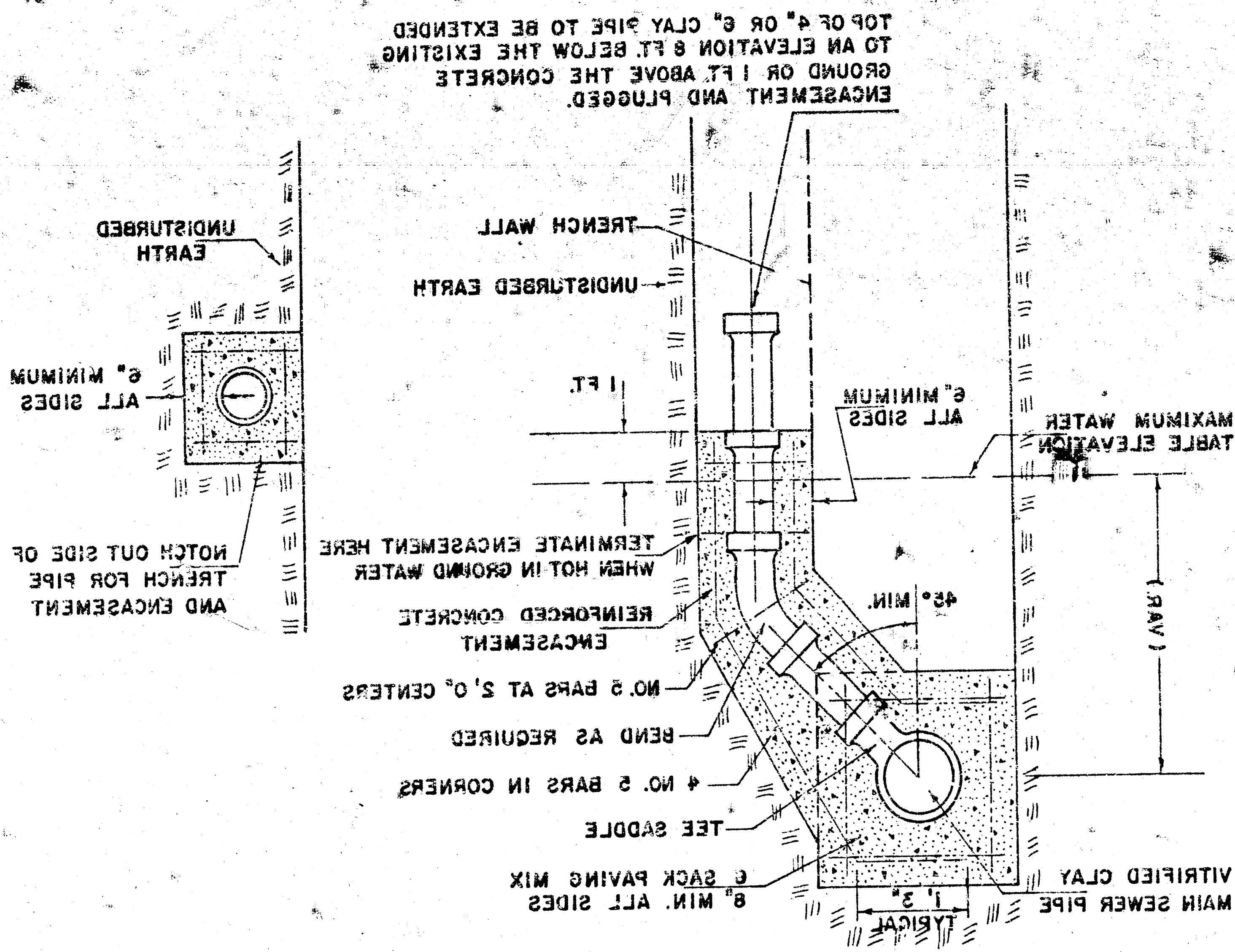


(TYPICAL LEFT OR RIGHT)
SLOPING TRENCH WALLS
VITRIFIED CLAY PIPE
DETAIL FOR VERTICAL RISER



GENERAL NOTES (CLAY PIPE RISER)

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



GENERAL NOTES (CLAY PIPE RISER
CONTINUED)