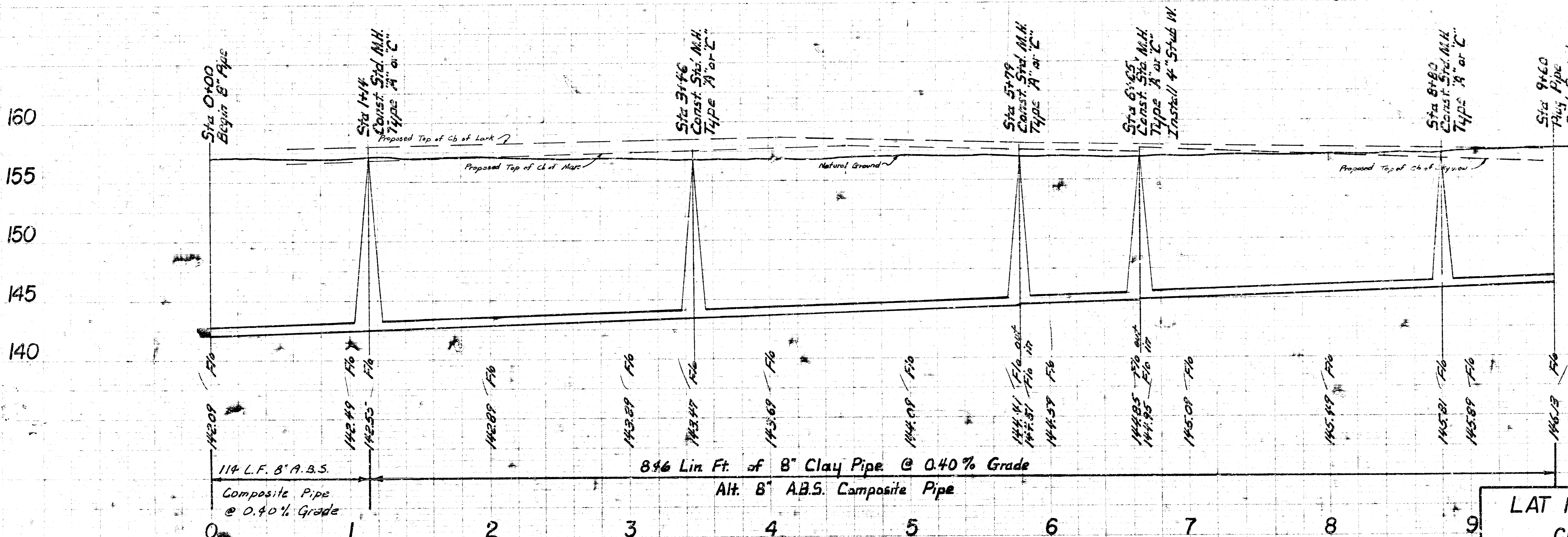
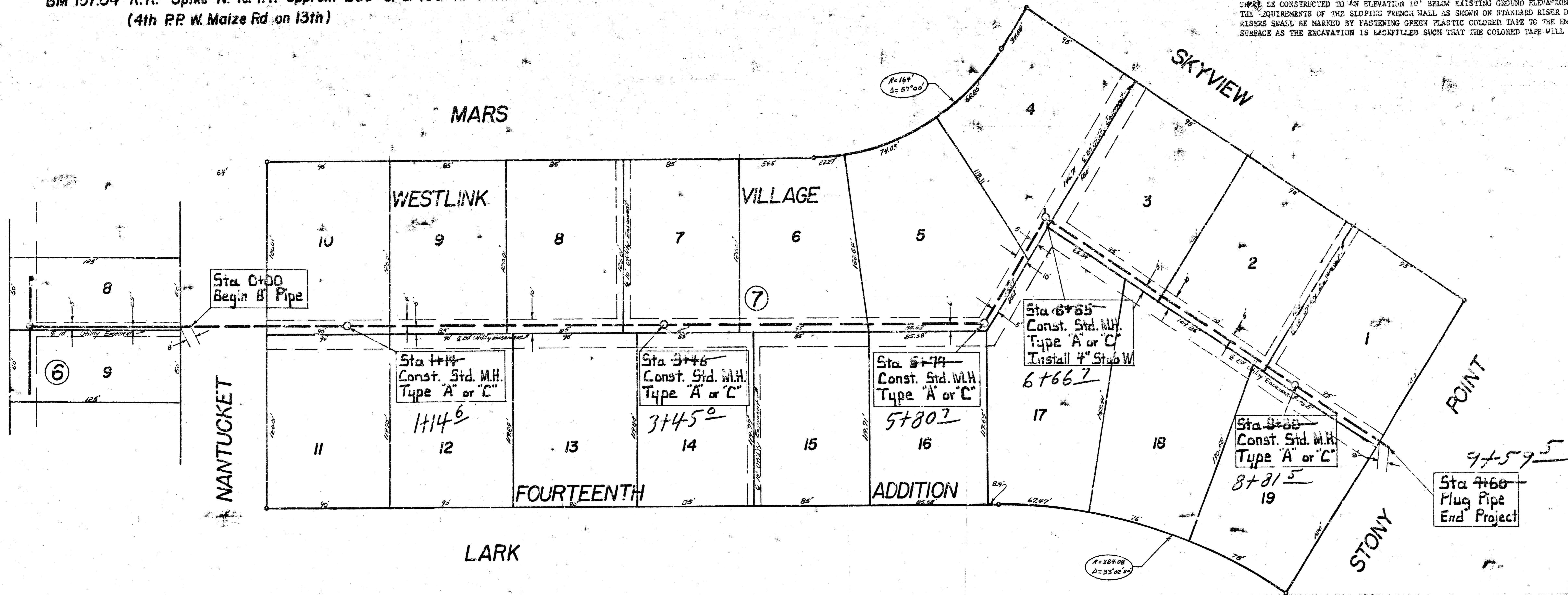


BM 157.04 R.R. Spike N. fc. P.P. approx. 200' S. & 100' W. of N.W. cor. Nantucket & Lark
 (4th P.P. W. Maize Rd. on 13th)

NOTE: RISERS OR STUBS IN MANHOLES SHALL BE CONSTRUCTED ON THIS PROJECT TO SERVE LOTS WHERE THE DEPTH OF THE
 SINKER IS GREATER THAN 10'. STUBS SHALL BE INSTALLED IN MANHOLES AT ELEVATIONS 10' BELOW EXISTING GROUND. STUBS
 SHALL BE CONSTRUCTED TO AN ELEVATION 10' BELOW EXISTING GROUND ELEVATION. RISER CONSTRUCTION SHALL CONFORM TO
 THE REQUIREMENTS OF THE SLOPING TRENCH WALL 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.

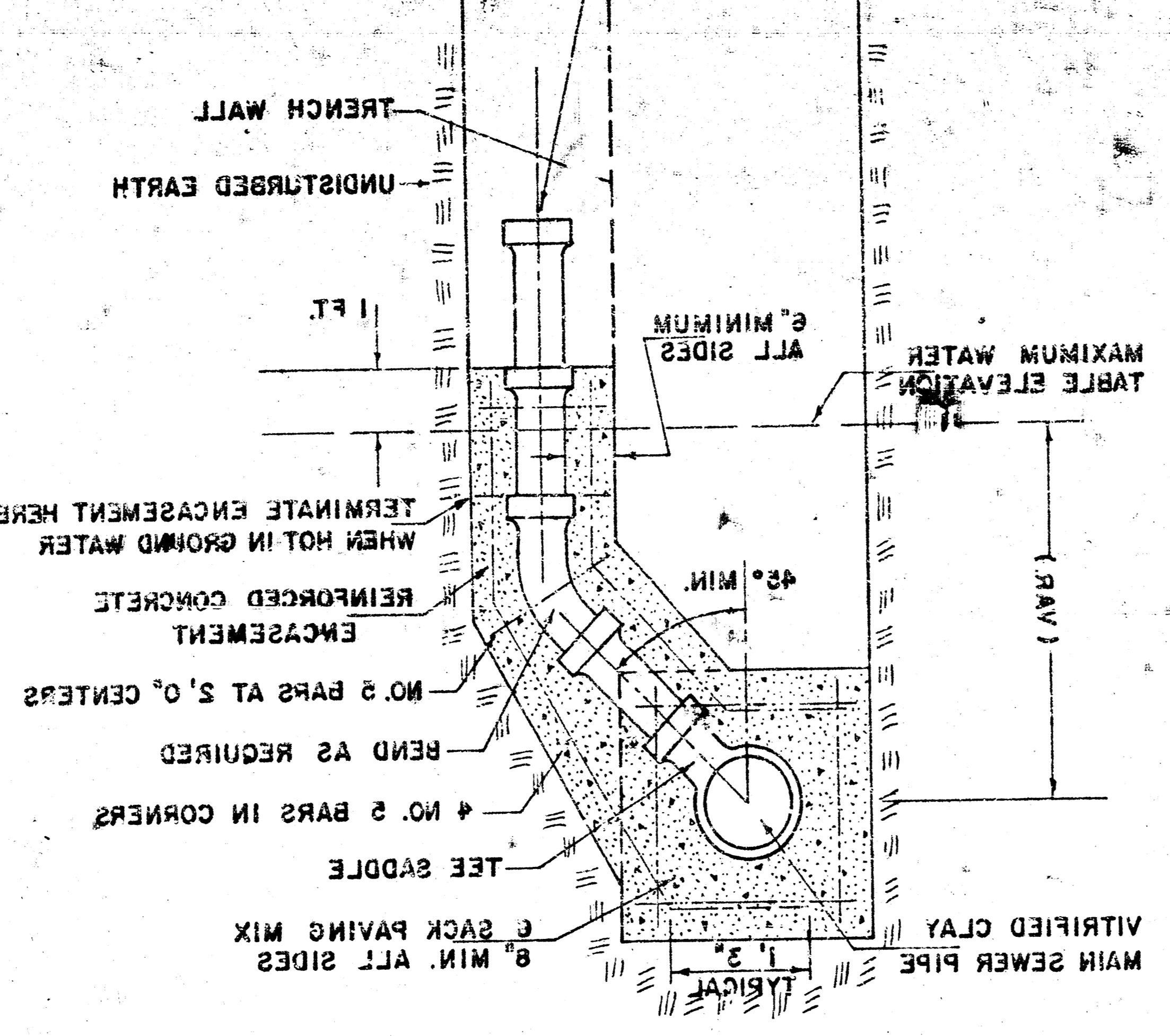
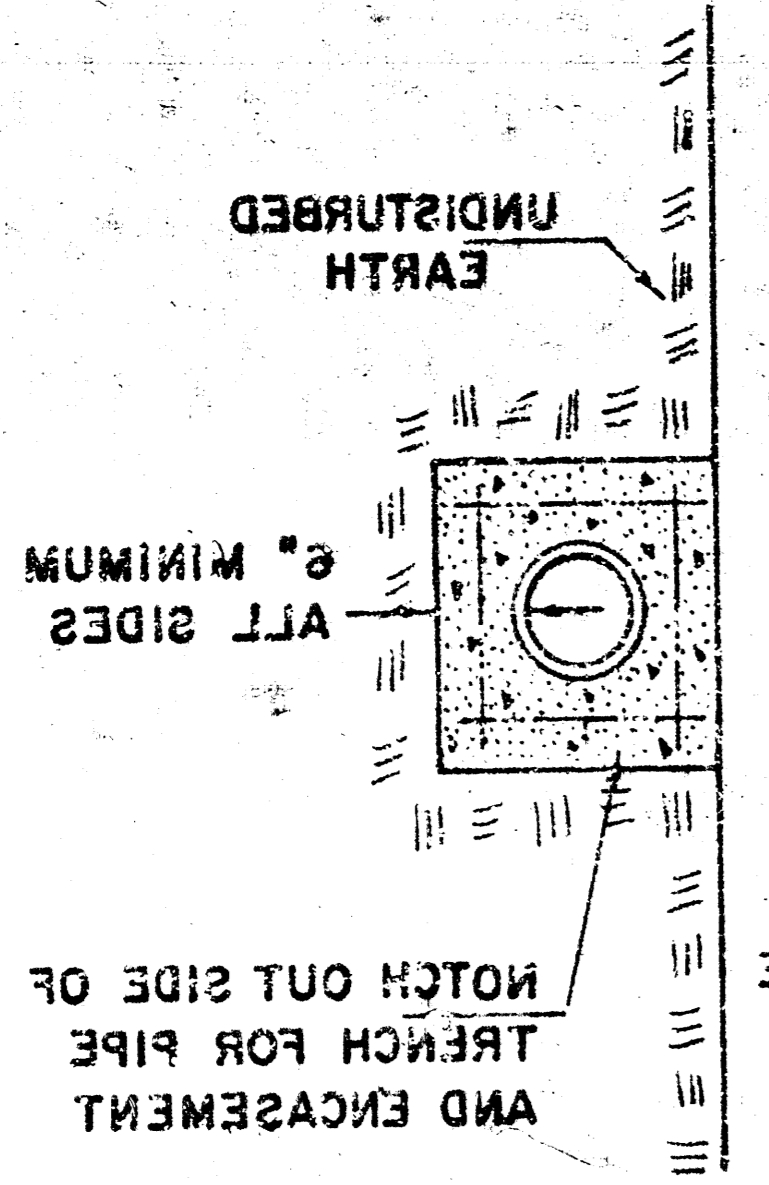
Plan Scale 1" = 40'
 Profile Scale 1" = 40' Vert.
 1" = 5' Horiz.



As built 9-7-78
 LAT 105. SOUTHWEST INTERCEPT
 CITY OF WICHITA, KANSAS
 R.W. LINN CITY ENGINEER
 PROJ. NO. 468-76-245-80372-000-000-0
 DATE

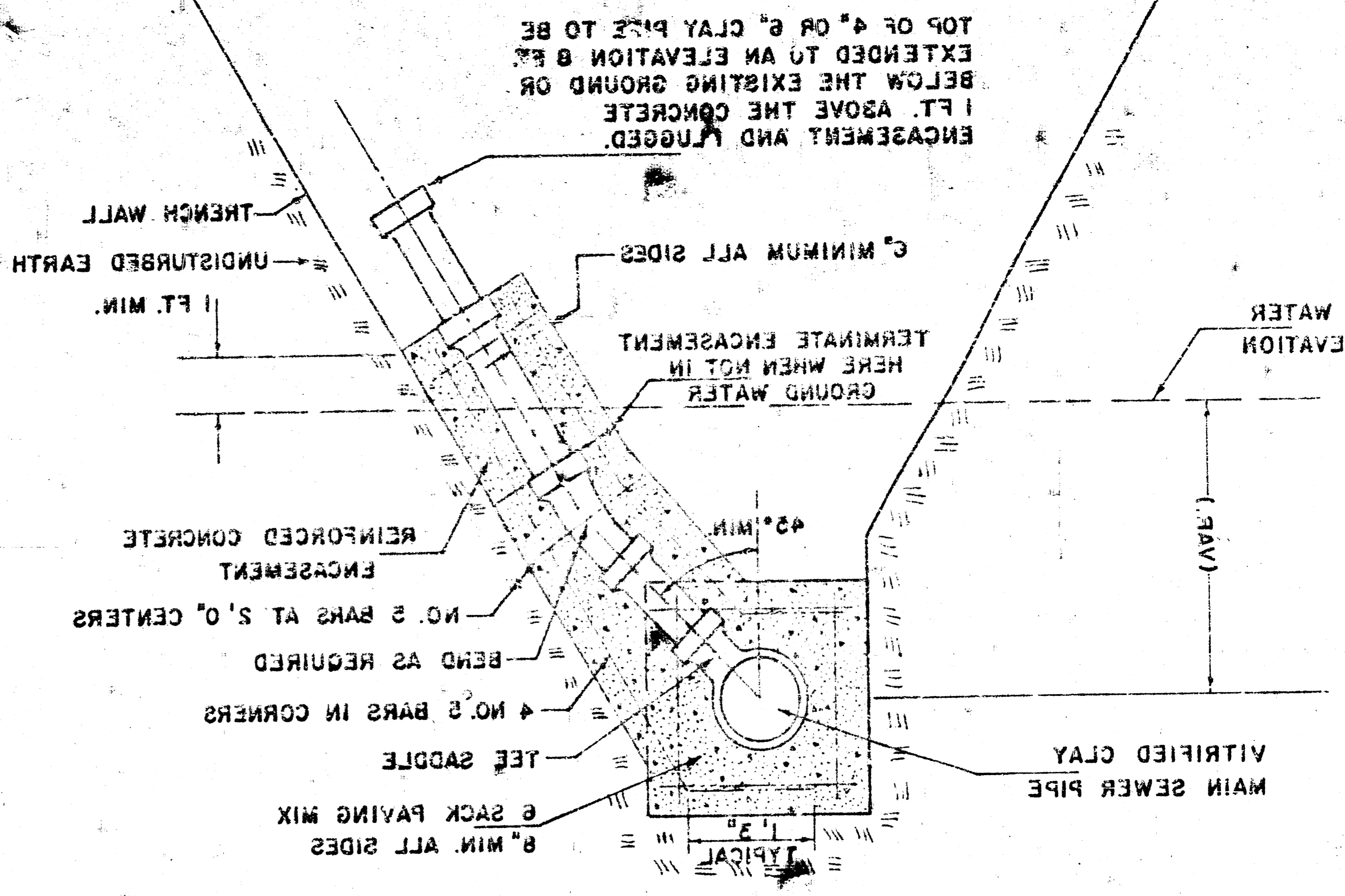
VERTICAL RISER DETAIL
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION

GENERAL NOTES (CLAY PIPE RISER)
(CONTINUED)
FURNISHING AND INSTALLING RISERS
SHALL BE PAID FOR AT THE UNIT PRICES
BID FOR 4" PIPE, 6" PIPE, AND REIN-
FORCED 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. CONTRACTORS
METHOD FOR SUPPORTING AND BACK-
FILLING 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.

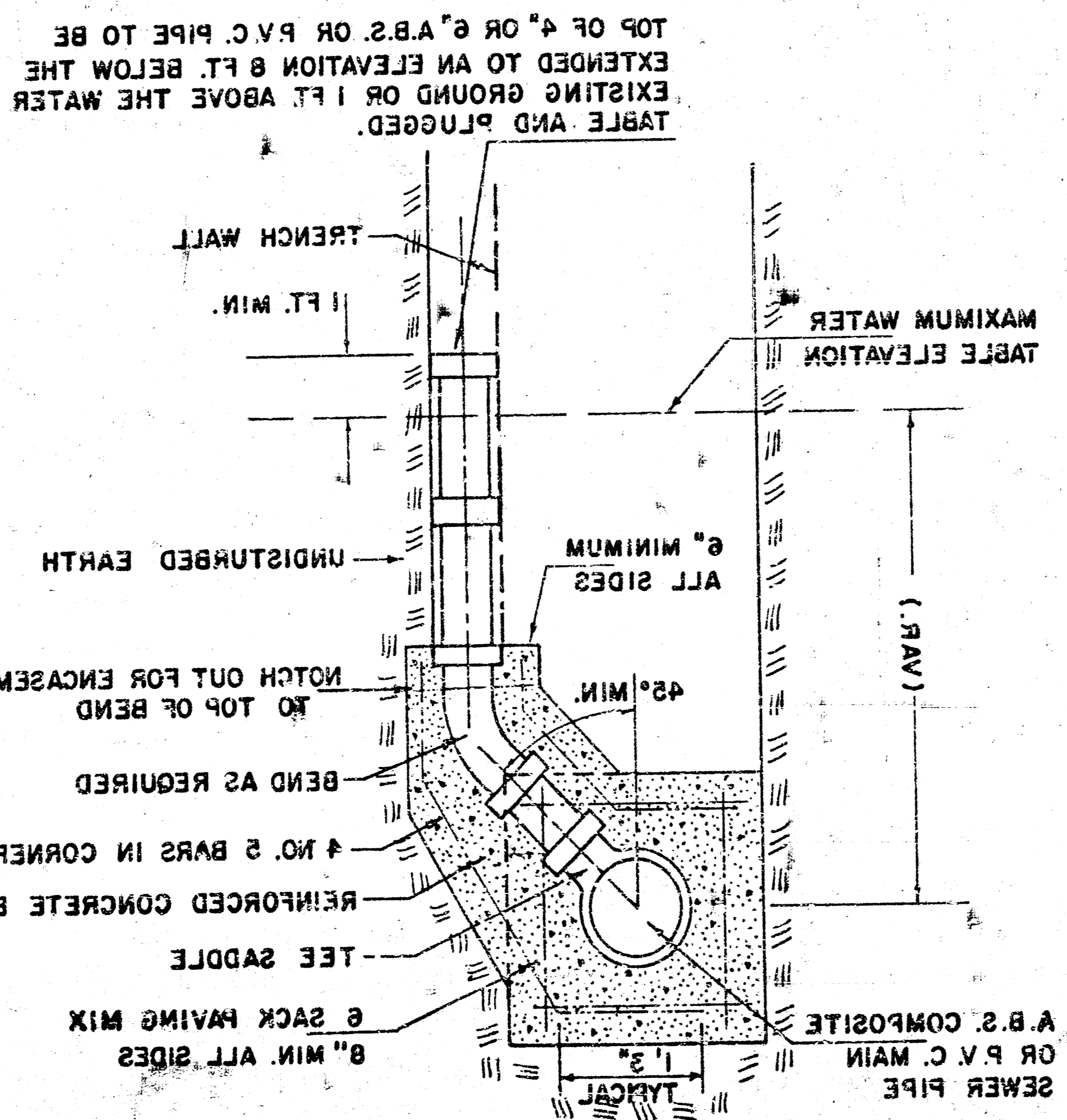
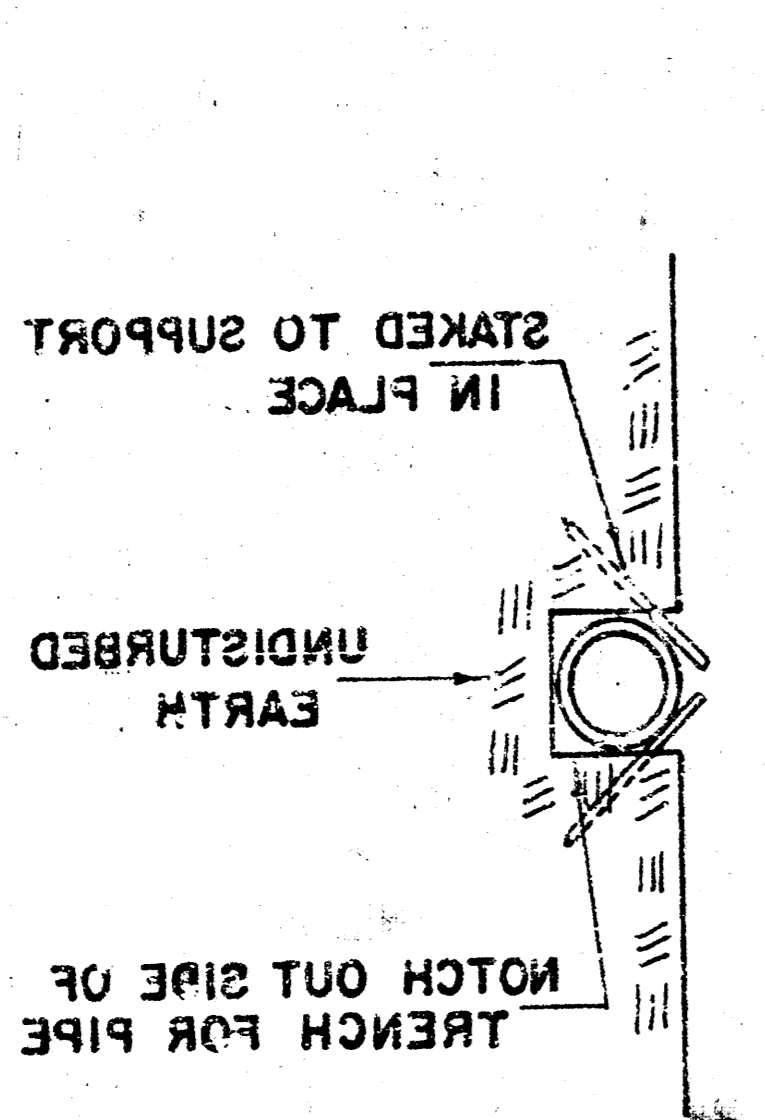


(TYPICAL LEFT OR RIGHT)
VERTICAL TRENCH WALLS
VITRIFIED CLAY PIPE
DETAIL FOR VERTICAL RISER

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 COMMER-
CIAL 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
MANNHOLES WHERE LOCATIONS OF MAN-
HOLES WILL PROVIDE SATISFACTORY
SERVICE CONNECTIONS AS DETERMINED
BY THE FIELD ENGINEER OR AS SHOWN
BY THE PLANS. ENCASMENT OF VITRI-
FIED 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.

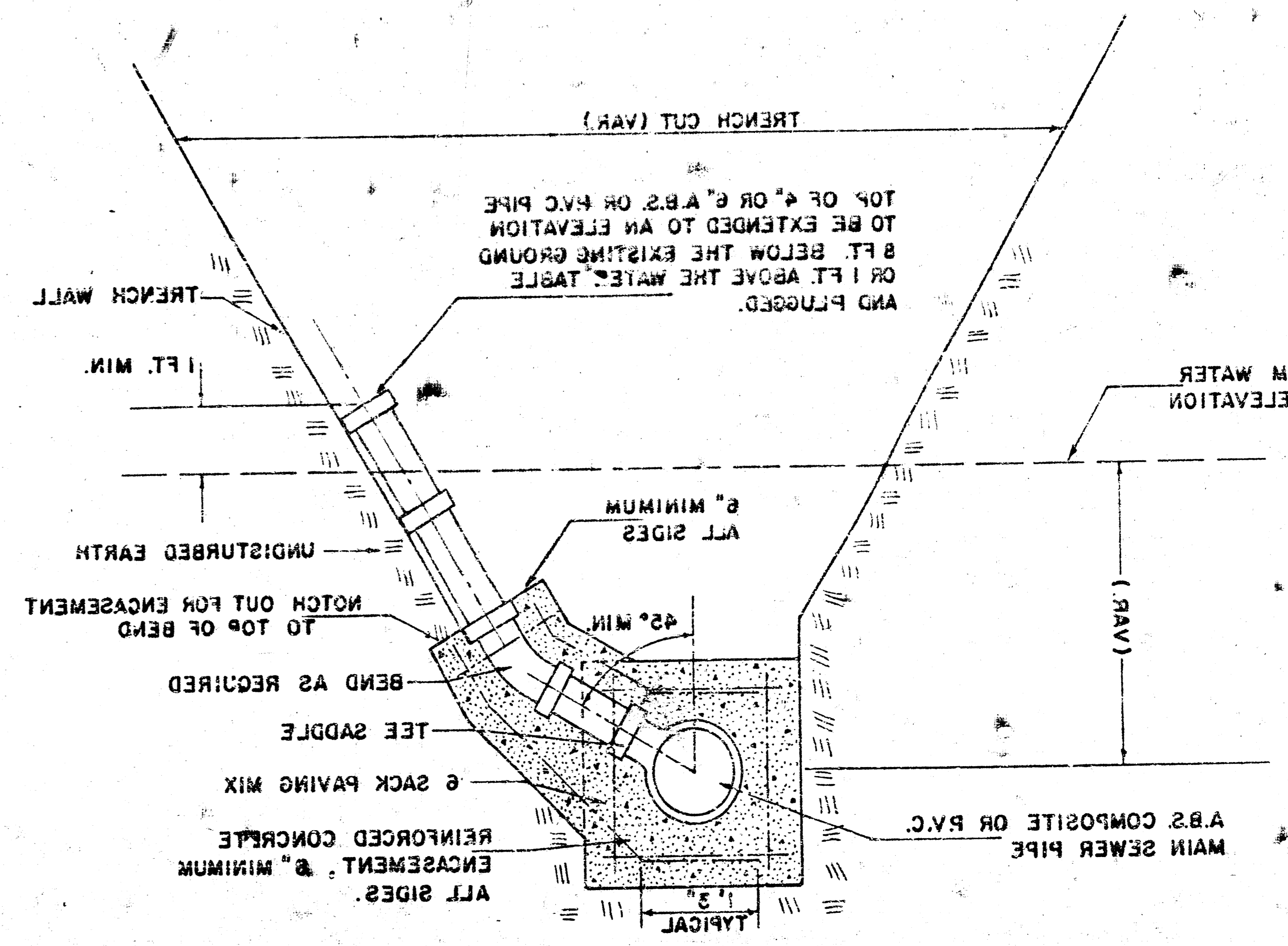


(TYPICAL LEFT OR RIGHT)
SLOPING TRENCH WALLS
VITRIFIED CLAY PIPE
DETAIL FOR VERTICAL RISER



(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
UNDEVELOPED 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.
STUBS SHALL BE INSTALLED IN MANNHOLES
WHERE LOCATIONS OF MANNHOLES WILL
PROVIDE SATISFACTORY SERVICE CONNEC-
TIONS AS DETERMINED BY THE FIELD
ENGINEER OR AS SHOWN BY THE PLANS.
ENCASMENT OF A.B.S. COMPOSITE OR
P.V.C. MAIN SEWER PIPE SHALL EXTEND
A MINIMUM OF 2 FEET ON BOTH SIDES
OF THE CENTERLINE OF THE RISER.
FOUR INCH OR SIX INCH RISER PIPE SHALL
BE ENCASMENT 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
PIPE SIZES INDICATED WHICH
PRICE SHALL INCLUDE ALL COSTS FOR COM-
PLETION OF THIS ITEM INCLUDING TEE
SADDLE, 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