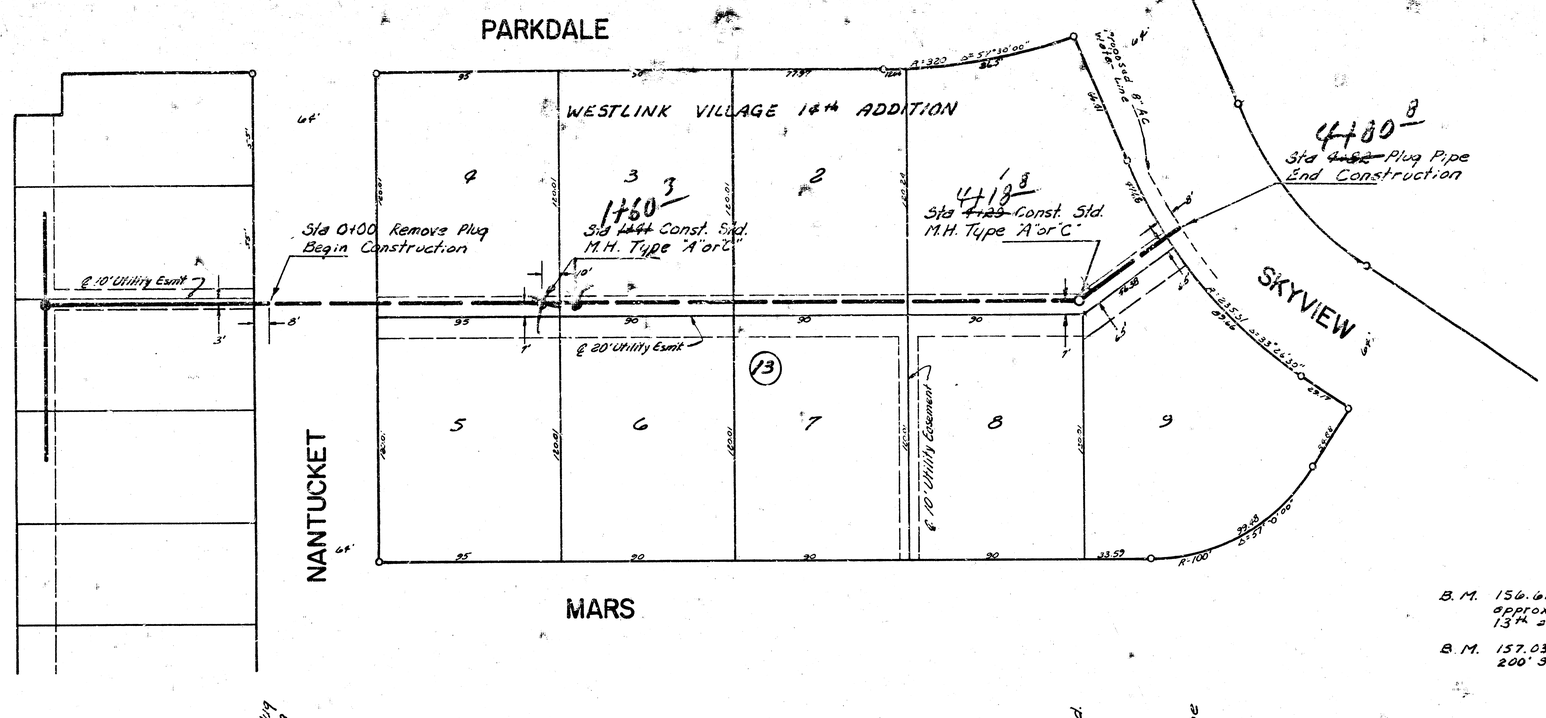
NOTE: RISERS OR STUBS IN MANHOLES SHALL BE CONSTRUCTED ON THIS PROJECT TO SERVE LOTS WHERE THE DEPTH OF THE 8" SEWER IS GREATER THAN 10'. STUBS SHALL BE INSTALLED IN MANHOLES AT ELEVATIONS 10' BELOW EXISTING GROUND. RISERS SHALL BE CONSTRUCTED TO AN ELEVATION 10' BELOW EXISTING GROUND ELEVATION. RISER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SLOPING TRENCH WALL AS SHOWN ON STANDARD RISER DETAIL SHEET. LOCATIONS OF THE 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.

Plan Scale : 1" = 40'
Profile Scale : 1" = 40' Horz.
1" = 5' Vert.



B.M. 156.626 Railroad Spike N. face Power Pole approx. 90' West and 20' south of N.W. corner 13th and Parkdale.

B.M. 157.039 R.R. Spike - North face Power Pole approx. 200' S. and 100' W. of N.W. corner Nantucket & Lark.

As built 9-7-78

LAT 101 SOUTHWEST INTERCEPTOR
CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
PROJEC NUMBER: 468-76-245-80336-000-000-001

CITY OF WICHITA, KANSAS
ENGINEERING DIVISION
BY
ADOPTED AS STANDARD DESIGN

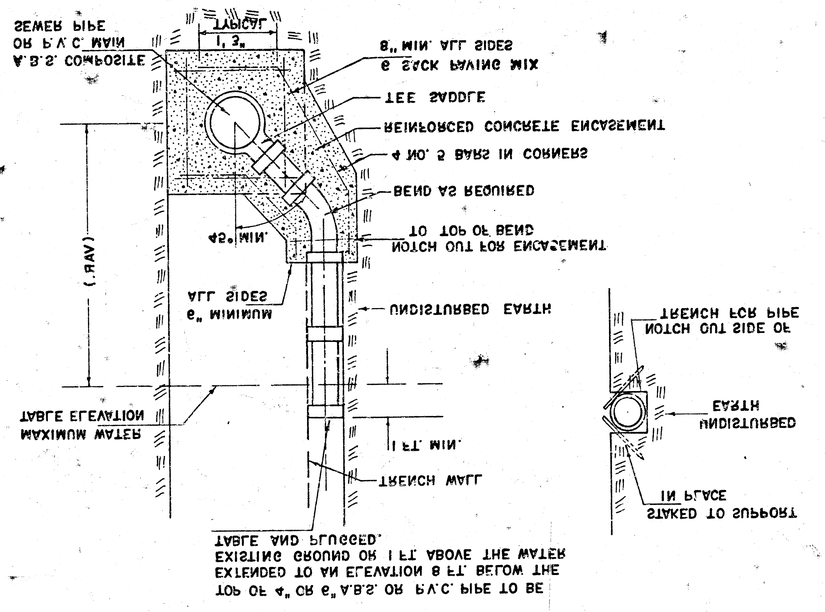
VERTICAL RISER DETAIL

(TYPICAL FEET 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)

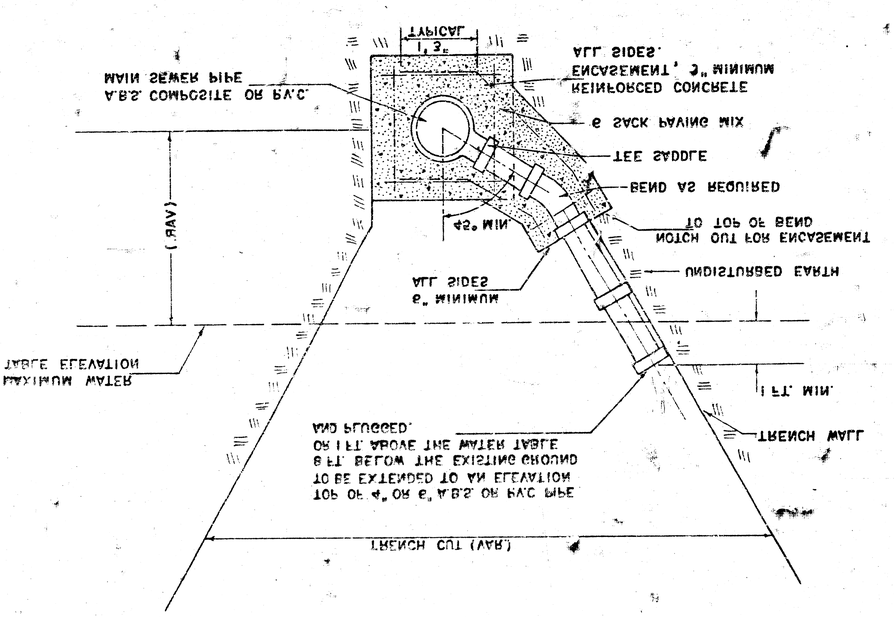
RISERS SHALL BE INSTALLED TO SERVE ALL PROPERTY WHICH IS PRESENTLY DEVELOPED WHEN THE MAIN SEWER LINE IS IN GROUND WATER OR WHEN THE MAIN SEWER LINE IS DEEPER THAN 8 FEET. RISERS SHALL BE INSTALLED TO SERVE UNDEVELOPED PROPERTY ONLY WHEN THE MAIN SEWER IS IN GROUND WATER. SIX INCH RISERS SHALL BE INSTALLED TO SERVE RESIDENTIAL AND FOUR INCH RISERS SHALL BE INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL 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. A MINIMUM OF 3 FEET ON BOTH SIDES OF THE CENTERLINE OF THE RISER. P.V.C. MAIN SEWER PIPE SHALL EXTEND THROUGH ENCASEMENT OF A.B.S. COMPOSITE OR FOUR 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 ENCASEMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED WHICH PRICE SHALL INCLUDE ALL COST FOR CONSTRUCTION OF THIS ITEM INCLUDING TEE SADDLE, TAPPING TEE, FITTINGS AND ALL OTHER NECESSARY MATERIALS OR WORK.

(TYPICAL FEET OR RIGHT)

SLOPING 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)

TOWER OF THE RISER PIPE.
FITTINGS FURNISHED BY THE MANUFACTURER SHALL BE CAPPED OR PLUGGED USING ENGINEER. THE ENDS OF RISER PIPE PIPE SHALL BE APPROVED BY THE SUPPORTING AND BACKFILLING RISER ADOPTED CONTRACTOR'S METHOD FOR RISER' AND THE PAY QUANTITIES INTHE ELEVATION OF THE TOP OF THE INSTALLED' THE DIRECTION OF SERVICE' RECORD OF THE STATION OF RISERS THE PROJECT INSPECTOR SHALL KEEP A SUBSIDIARY TO THE OTHER ITEMS OF WORK. THIS WORK SHALL BE CONSIDERED AS PAID FOR DIRECTLY AND THE COST FOR SHOWN BY THE DRAWING WILL NOT BE RISER PIPE TO THE TOP OF THE BEND AS CONCRETE ENCASEMENT OF A.B.S. OR P.V.C.

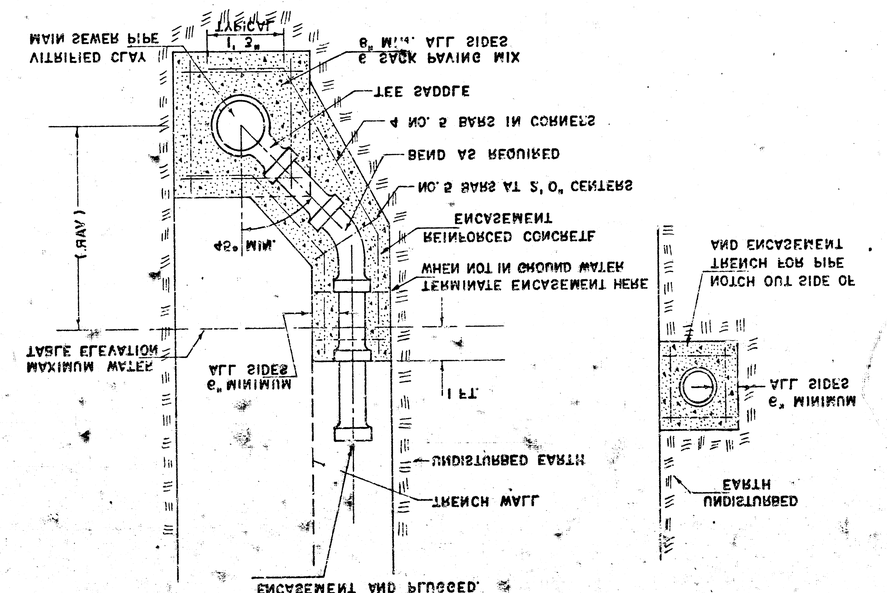
CONTINUED)

(TYPICAL FEET OR RIGHT)

VERTICAL TRENCH WALLS

VITRIFIED CLAY PIPE

DETAIL FOR VERTICAL RISER



GENERAL NOTES (CLAY PIPE RISER)

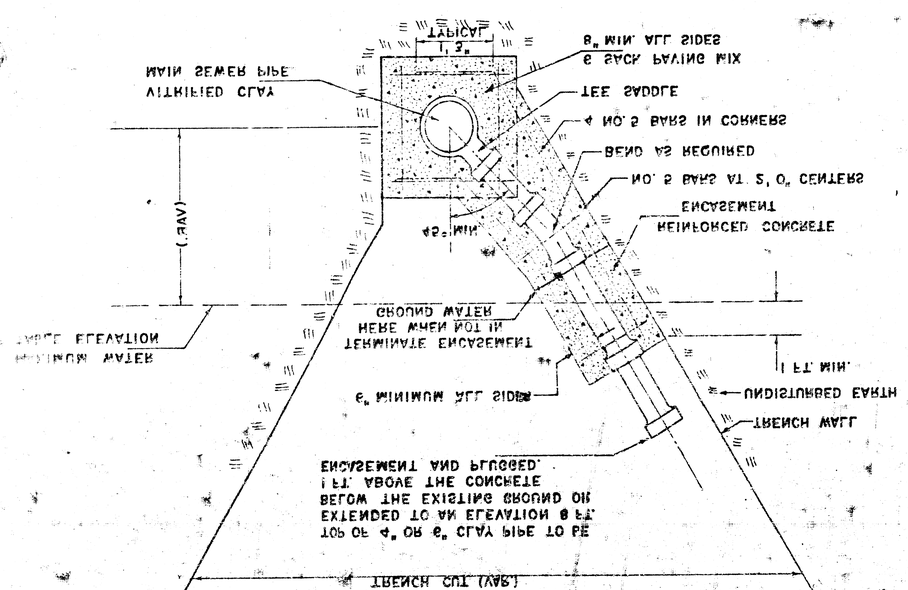
MAXIMUM WATER TABLE ELEVATION WHICH IS 1 FOOT OR MORE ABOVE THE PIPE SHALL EXTEND TO THE FIRST JOINT OF 4" OR 6" VITRIFIED CLAY RISER THE RISER INSTALLATION. ENCASEMENT MAIN SEWER PIPE ON EACH SIDE OF EXTEND TO THE FIRST JOINT IN THE FIED CLAY MAIN SEWER PIPE SHALL BY THE PLANS. ENCASEMENT OF VITRIBY THE FIELD ENGINEER OR AS SHOWN SERVICE CONNECTIONS AS DETERMINED HOLES WILL PROVIDE SATISFACTORY MANHOLES WHERE LOCATIONS OF MANOWNER. STUBS SHALL BE INSTALLED IN SHALL BE APPROVED BY THE PROPERTY OF RISERS TO SERVE DEVELOPED PROPERTY SERVE RESIDENTIAL PROPERTY. LOCATION INCH RISERS SHALL BE INSTALLED TO CIAL OR INDUSTRIAL PROPERTY AND FOUR SHALL BE INSTALLED TO SERVE CONNECIS IN GROUND WATER. SIX INCH RISERS PROPERTY ONLY WHEN THE MAIN SEWER INSTALLED TO SERVE UNDEVELOPED THAN 8 FEET. RISERS SHALL BE THE MAIN SEWER LINE IS DEEPER LINE IS IN GROUND WATER OR WHEN DEVELOPED WHEN THE MAIN SEWER ALL PROPERTY WHICH IS PRESENTLY RISERS SHALL BE INSTALLED TO SERVE

(TYPICAL FEET OR RIGHT)

SLOPING TRENCH WALLS

VITRIFIED CLAY PIPE

DETAIL FOR VERTICAL RISER



GENERAL NOTES (CLAY PIPE RISER)

MAXIMUM WATER TABLE ELEVATION WHICH IS 1 FOOT OR MORE ABOVE THE PIPE SHALL EXTEND TO THE FIRST JOINT OF 4" OR 6" VITRIFIED CLAY RISER THE RISER INSTALLATION. ENCASEMENT MAIN SEWER PIPE ON EACH SIDE OF EXTEND TO THE FIRST JOINT IN THE FIED CLAY MAIN SEWER PIPE SHALL BY THE PLANS. ENCASEMENT OF VITRIBY THE FIELD ENGINEER OR AS SHOWN SERVICE CONNECTIONS AS DETERMINED HOLES WILL PROVIDE SATISFACTORY MANHOLES WHERE LOCATIONS OF MANOWNER. STUBS SHALL BE INSTALLED IN SHALL BE APPROVED BY THE PROPERTY OF RISERS TO SERVE DEVELOPED PROPERTY SERVE RESIDENTIAL PROPERTY. LOCATION INCH RISERS SHALL BE INSTALLED TO CIAL OR INDUSTRIAL PROPERTY AND FOUR SHALL BE INSTALLED TO SERVE CONNECIS IN GROUND WATER. SIX INCH RISERS PROPERTY ONLY WHEN THE MAIN SEWER INSTALLED TO SERVE UNDEVELOPED THAN 8 FEET. RISERS SHALL BE THE MAIN SEWER LINE IS DEEPER LINE IS IN GROUND WATER OR WHEN DEVELOPED WHEN THE MAIN SEWER ALL PROPERTY WHICH IS PRESENTLY RISERS SHALL BE INSTALLED TO SERVE

(TYPICAL FEET OR RIGHT)

VERTICAL TRENCH WALLS

VITRIFIED CLAY PIPE

DETAIL FOR VERTICAL RISER

GENERAL NOTES (CLAY PIPE RISER)

BY THE MANUFACTURER OF THE RISER PLUGGED USING FITTINGS FURNISHED RISER PIPE SHALL BE CAPPED OR BY THE ENGINEER. THE ENDS OF LAYLINE RISER PIPE SHALL BE APPROVED METHOD FOR SUPPORTING AND BACKQUANTITIES INVOLVED. CONTRACTOR'S TOP OF THE RISER, AND THE PAY OF SERVICE, THE ELEVATION OF THE OF RISERS INSTALLED, THE DIRECTION SHALL KEEP A RECORD OF THE STATION DEPARTMENT. THE PROJECT INSPECTOR COMPLETED BY THE CITY MAINTENANCE CLAY MAIN SEWER PIPE SHALL BE MATERIALS OR WORK. TAP ON VITRIFIED FITTINGS AND ALL OTHER NECESSARY INCLUDING TEE SADDLE, TAPPING TEE, COSTS FOR COMPLETION OF THIS ITEM WHICH PRICE SHALL INCLUDE ALL THE VARIOUS PIPE SIZES INDICATED FORCED CONCRETE ENCASEMENT FOR BID FOR 4" PIPE, 6" PIPE, AND REINSHALL BE PAID FOR AT THE UNIT PRICES FURNISHING AND INSTALLING RISERS

CONTINUED)