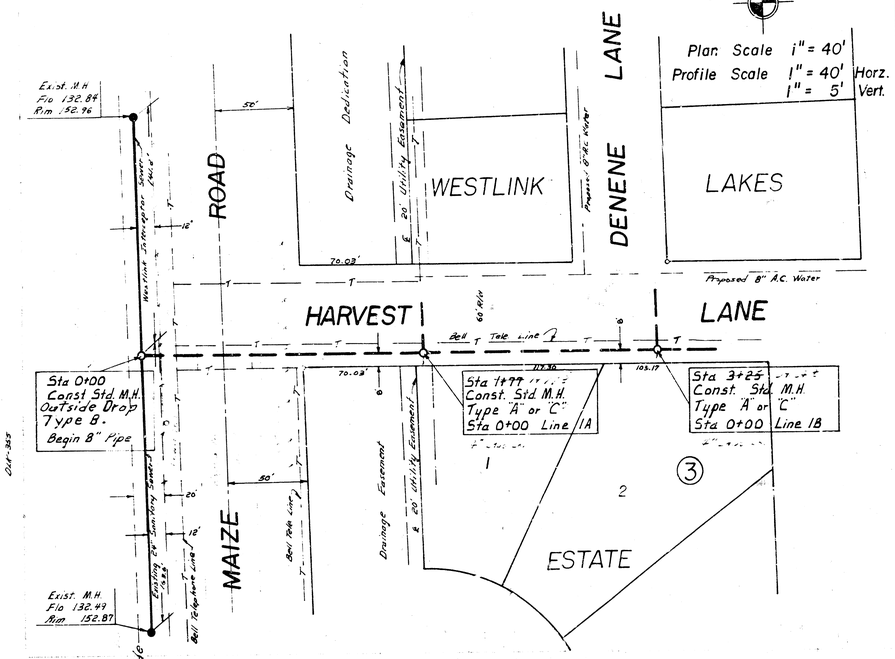
BM 152.28 City Std at 9th St. North & Maize (32' north & 38' east of 1/4 sec. cor.)

BM 151.86 R.R. Spike N.E. face P.P. 1/2 Blk. west of Crestline on south side 11th St. N.

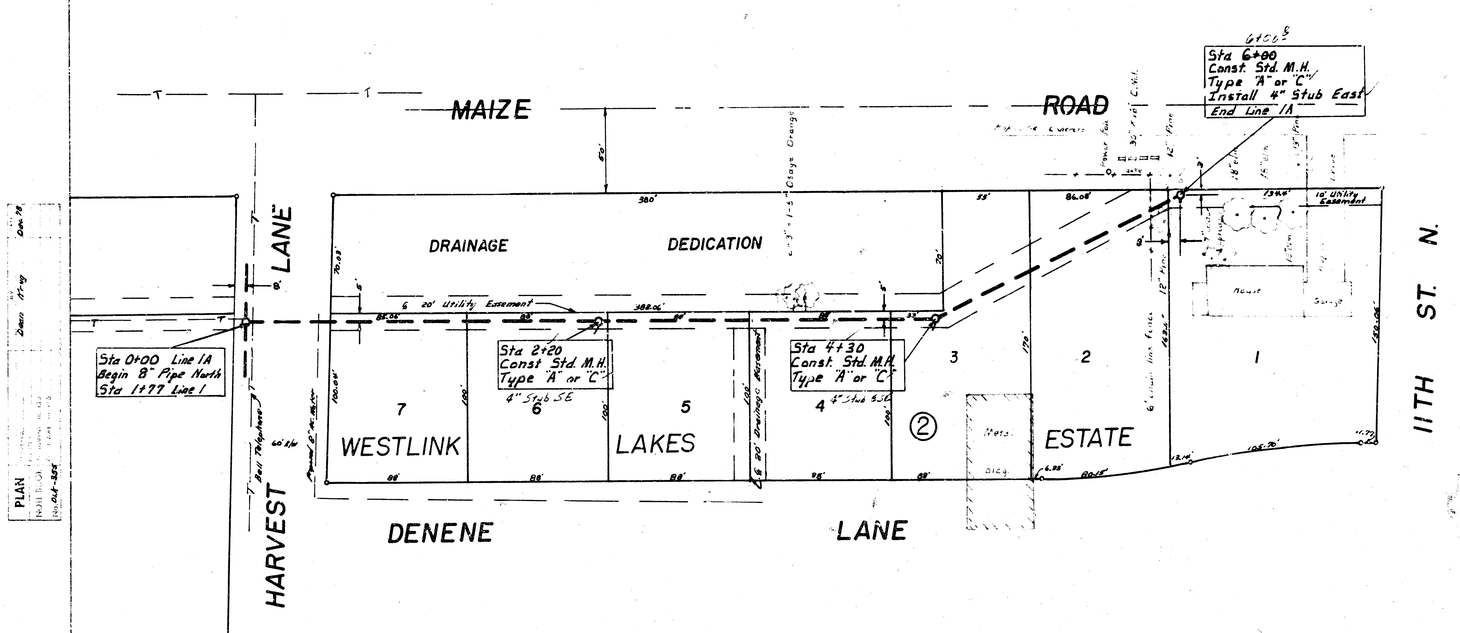
Plan Scale 1" = 40'
Profile Scale 1" = 40' Horz.
1" = 5' Vert.



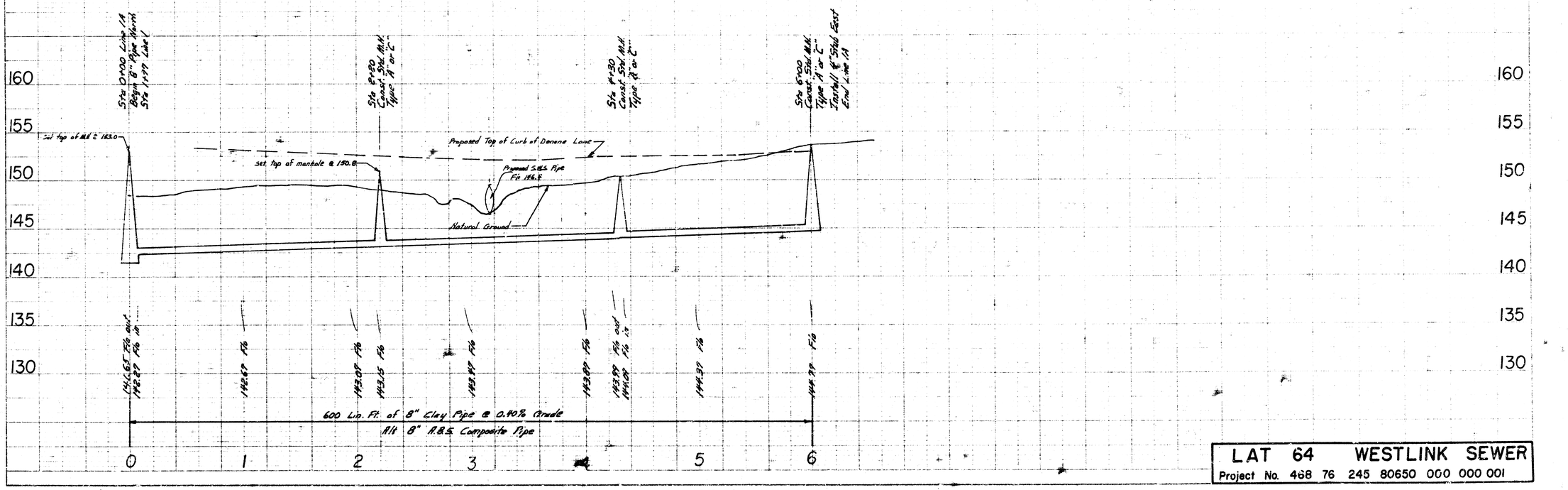
NOTE: IT IS ENGINEER SHALL SET TOPS OF MANHOLES TO MATCH PROPOSED FINISHED GRADE AS DETERMINED BY THE SET LOTS, TIGHTS AND ADDITIONAL STUBS SHALL BE INSTALLED BY THIS PROJECT TO SERVE INDIVIDUAL LOTS AS MAY ORDERED BY THE FIELD ENGINEER. FIELD CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SHOWN ON 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 S.D.R. 23.5 A.B.S. PIPE. ELEVATIONS OF STUBS AND ENDS OF RISERS SHALL BE SUCH THAT ALL FACILITATIVE CONNECTION OF BASEMENT DRAINS WHEN THESE LOTS ARE DEVELOPED.

LAT 64 WESTLINK SEWER
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
Project No. 468 76 245 80650 000 000 001

BM 151.67 R.R. Spk. E.-fc. P.P., N.E. Cor. Harvest Ln. & Maize Rd., 18' N. of N.L. Harvest Ln.

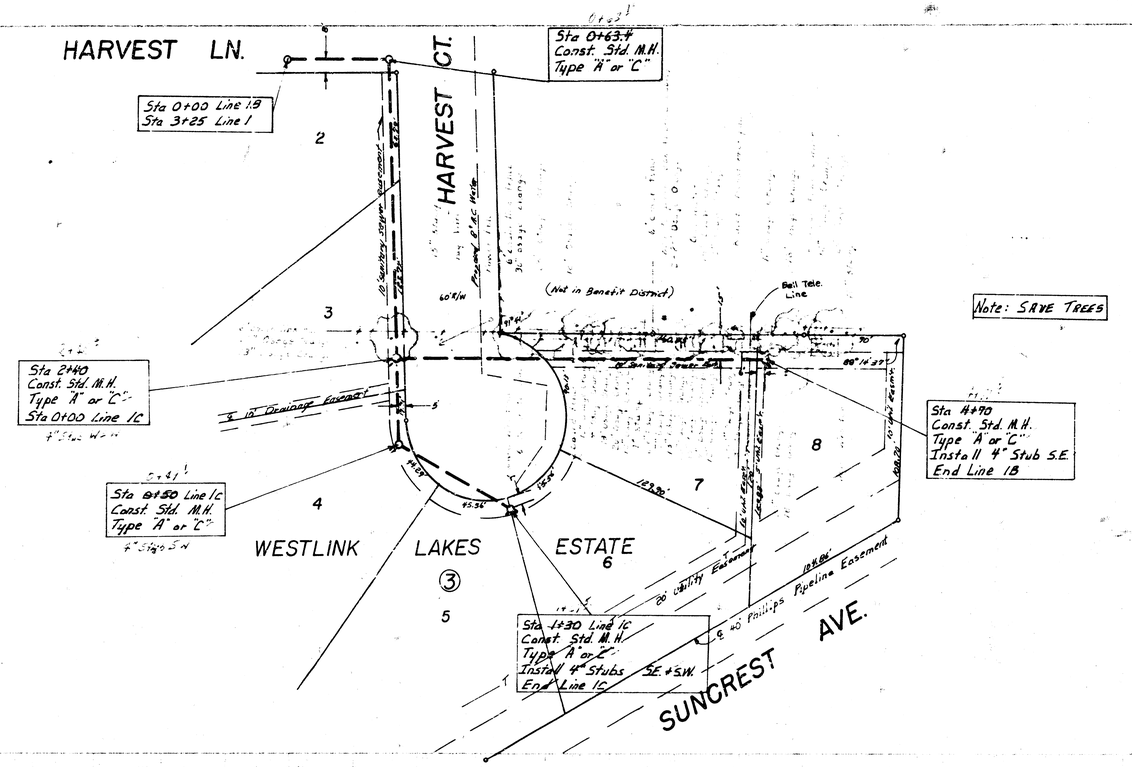


Plan Scale 1" = 40'
Profile Scale 1" = 40' Horz.
1" = 5' Vert.



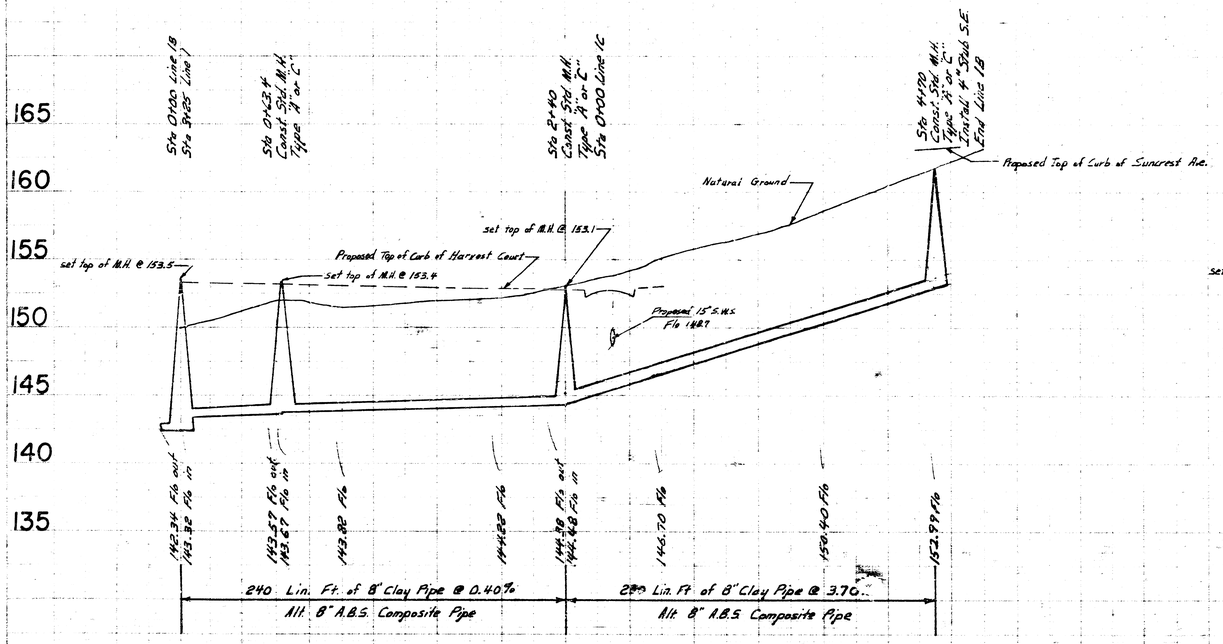
LAT 64 WESTLINK SEWER
Project No. 468 76 245 80650 000 000 001

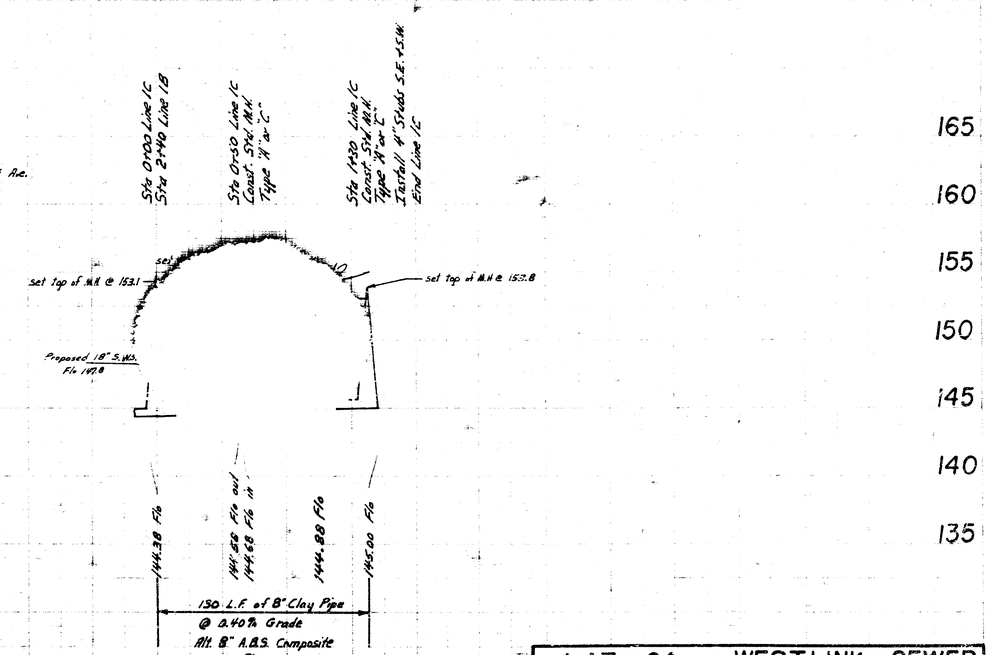
PLATE 1. PLAN PROFILE
KEUFFEL & ESSER CO.



N

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



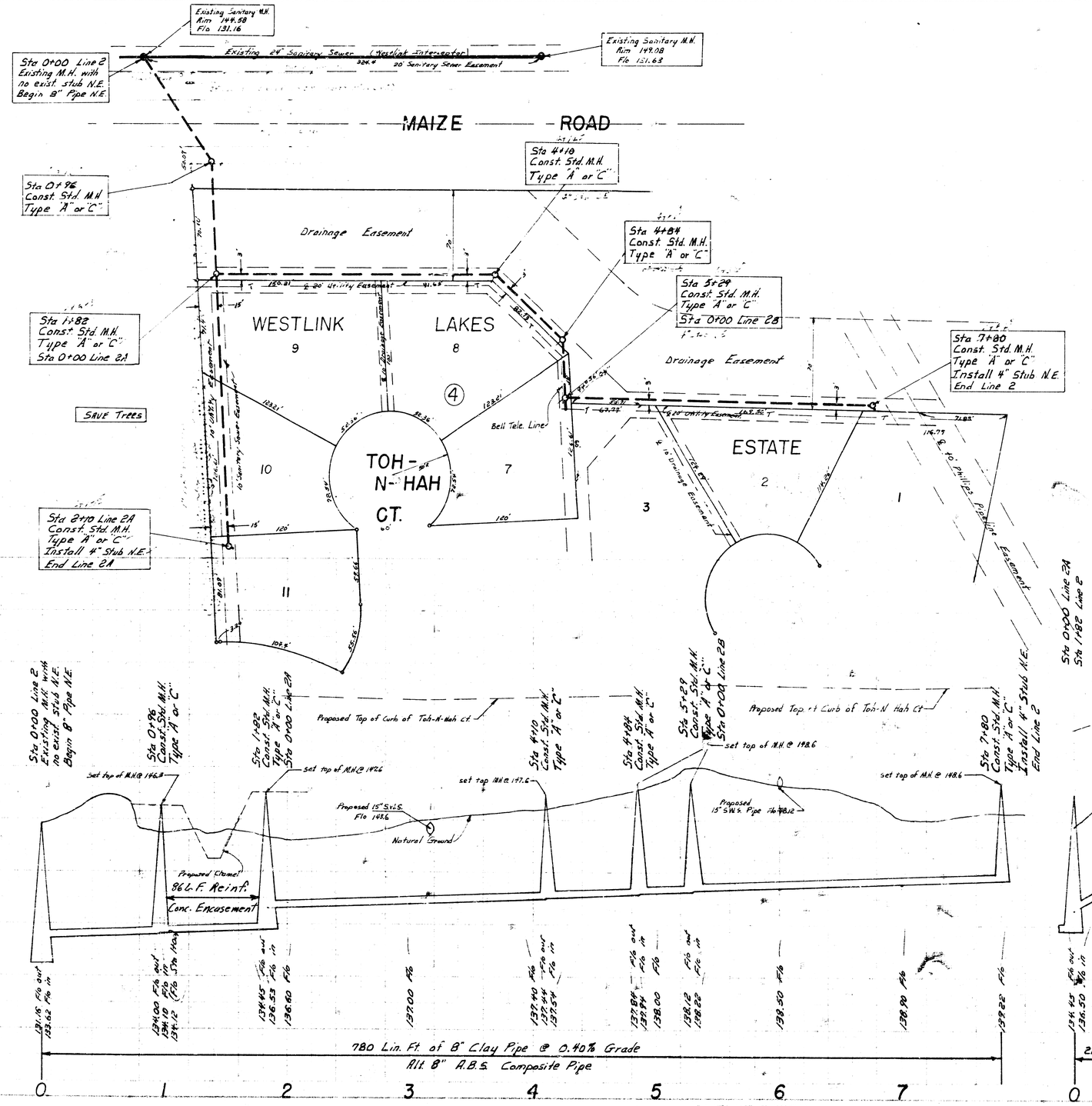


PLAN

PROFILE

LAT 64 WESTLINK SEWER
Project No 460-76 245 8C650 000 000 001

Sheet 3 of 6

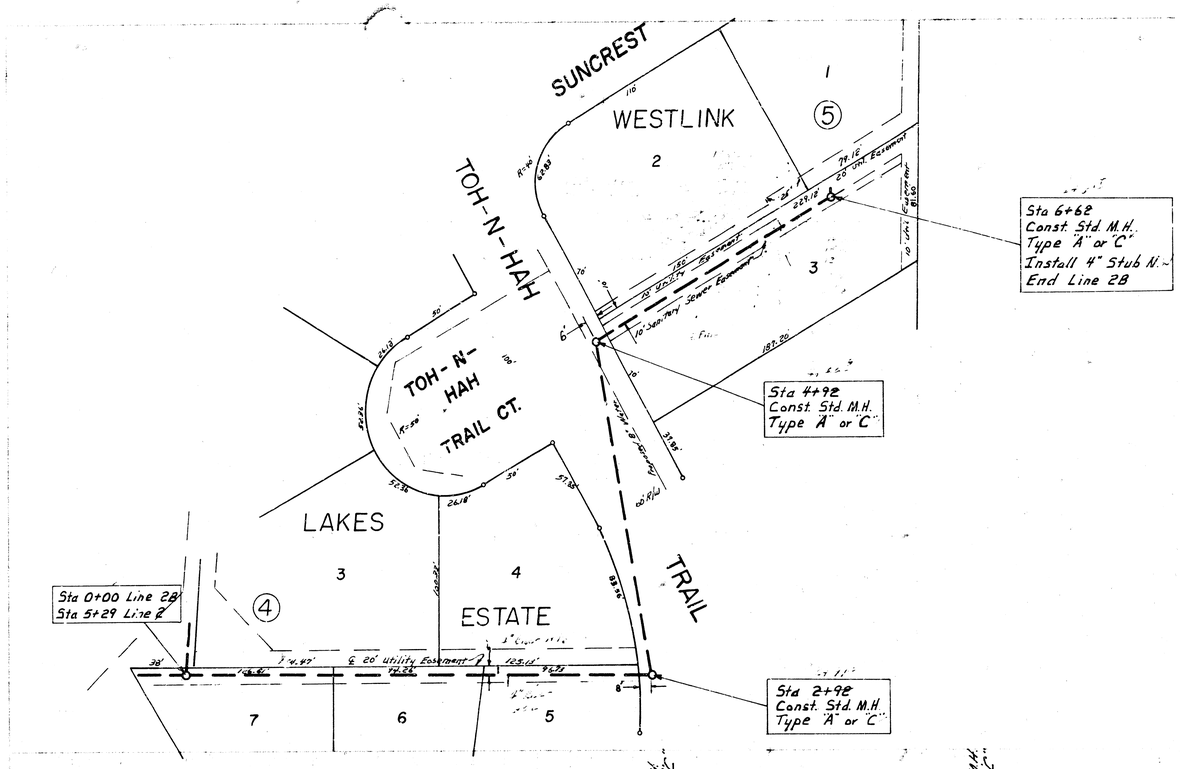


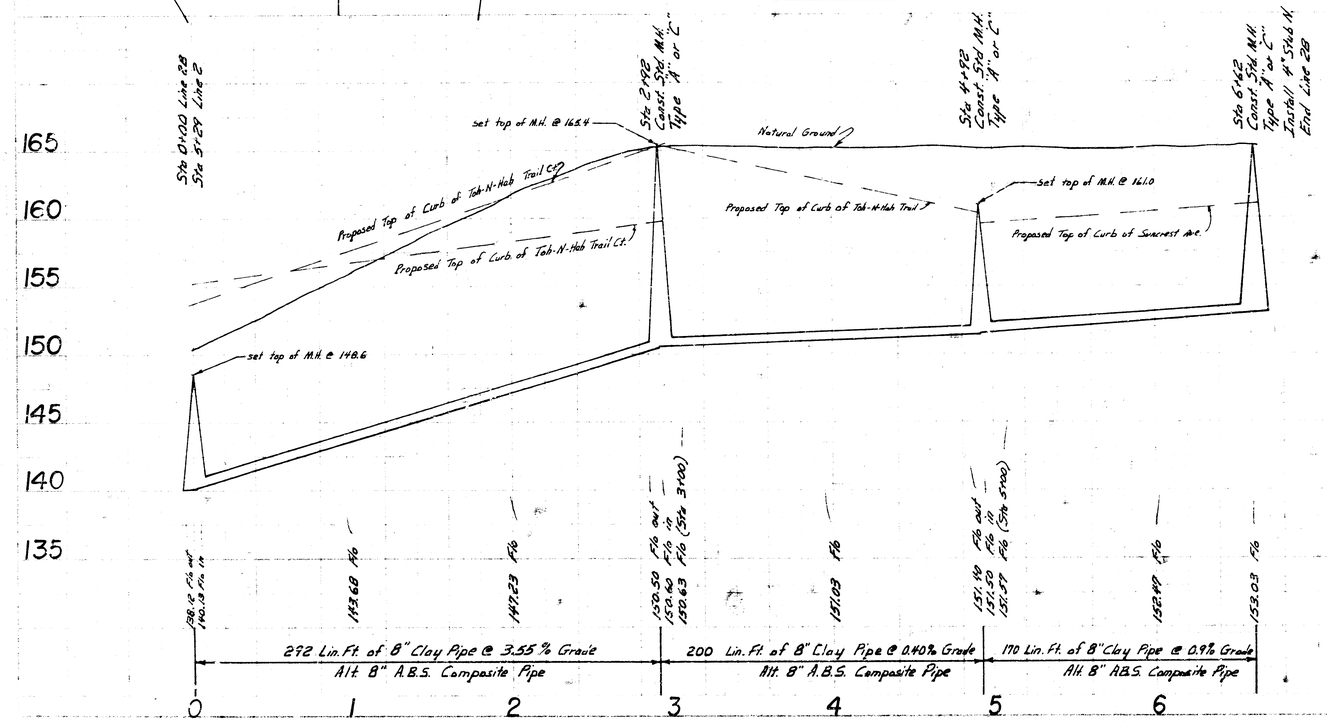
N

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

LAT 64
WESTLINK SEWER

468 76 245 80650 000 000 001

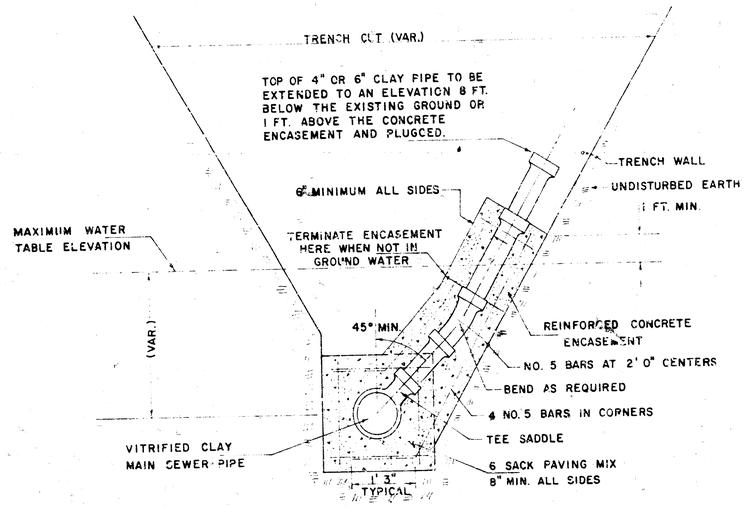




N

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

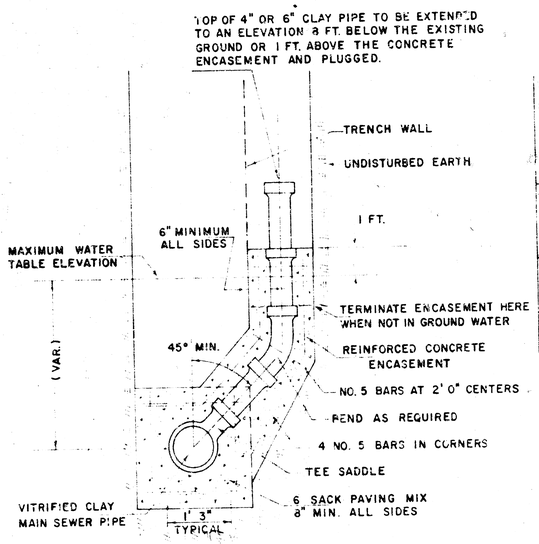
LAT 64 WESTLINK SEWER
Project No. 468 76 245 80650 000 000 001

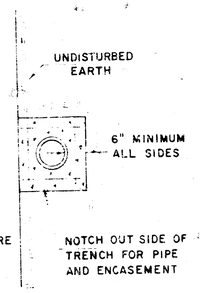


DETAIL FOR VERTICAL RISER
VITRIFIED CLAY PIPE
SLOPING TRENCH WALLS
(TYPICAL LEFT OR RIGHT)

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. ENCASEMENT 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.

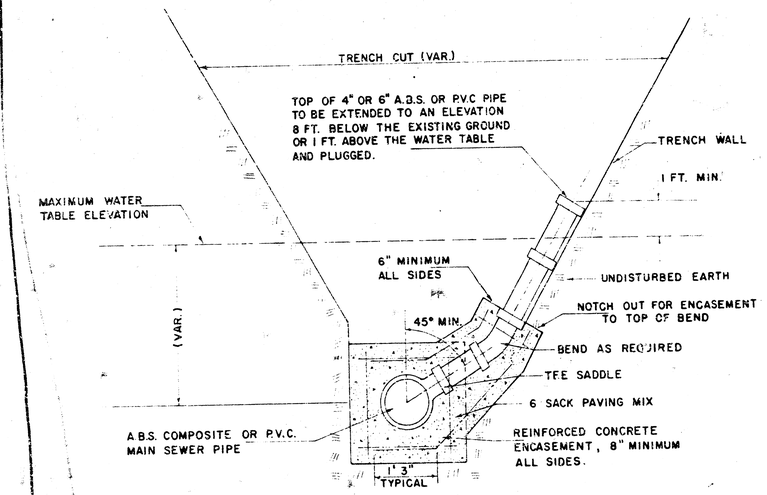




DETAIL FOR VERTICAL RISER
VITRIFIED CLAY PIPE
VERTICAL TRENCH WALLS
(TYPICAL LEFT OR RIGHT)

GENERAL NOTES (CLAY PIPE RISER CONTINUED)

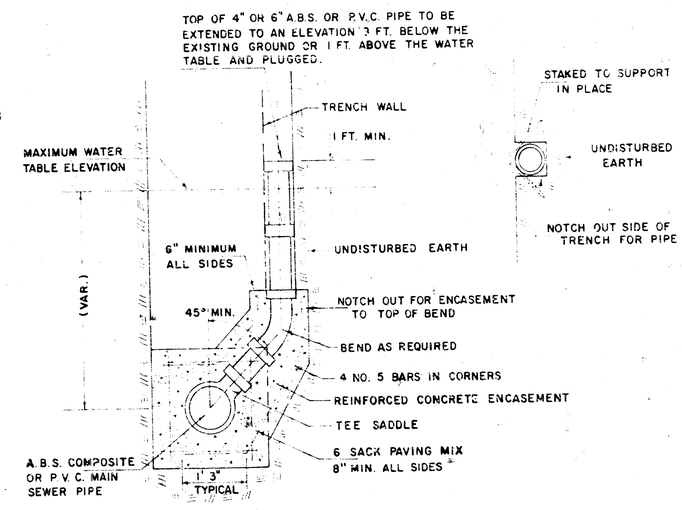
FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE, AND REINFORCED CONCRETE ENCASEMENT FOR THE VARIOUS PIPE SIZES INDICATED WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING TEE SADDLE, TAPPING FEE, FITTINGS AND ALL OTHER NECESSARY MATERIALS 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.



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

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 COMERCIAL OR INDUSTRIAL PROPERTY AND FOUR INCH RISERS SHALL BE INSTALLED TO SERVE RESIDENTAL 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. 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 COSTS FOR COMPLETION OF THIS ITEM INCLUDING TEE SADDLE, TAPPING FEE, FITTINGS AND ALL OTHER NECESSARY MATERIALS OR WORK.



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

GENERAL NOTES
(A.B.S. COMPOSITE OR P.V.C. PIPE RISER CONTINUED)

CONCRETE ENCASEMENT 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. 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 RISER DETAIL

ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1977 Sheet 6 of 6