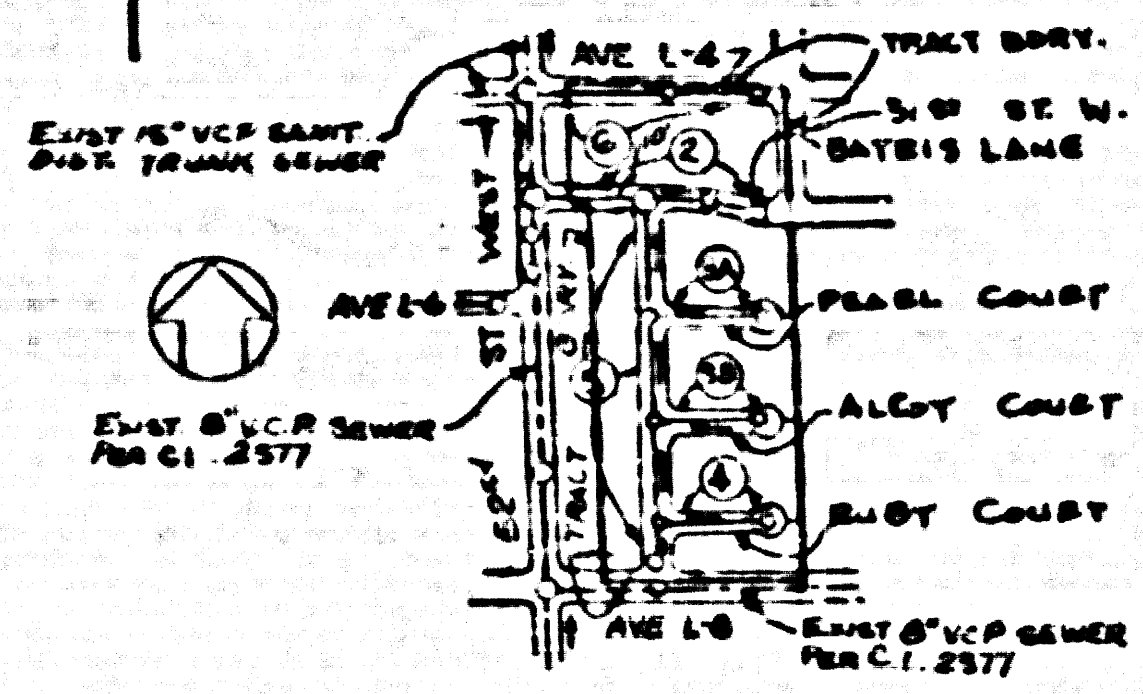


B.M. CL 4387 ELEV. 2438.004
 RD. 9 M. TAG N.W. COR. CONC. SLAB
 62 FT. 54 IN. WIDE (CONC. SLAB)
 50 FT. ST. W. LEAD MARKED 741
 LANCASTER QUAD. 17B1



INDEX MAP
 P.C. 10779 TR. NO. 46057
 COUNTY OF LOS ANGELES
 SCALE 1" = 600'

NOTE:
 NUMBERS IN CIRCLES
 INDICATES PAGE NUMBERS

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE...
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...

CONSTRUCTION NOTES CONT.

16. FULL COMPLIANCE WITH PART C OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE.
17. MINIMUM WATER STOP GASKETS AND GLASS FIBER REINFORCED FOR THE CONNECTIONS OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
18. A.B.S. SOLID WALL PIPE MUST BE USED FOR N.Y.E. AND HOUSE LATERALS CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
19. A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION B-3.1 OF PART N OF SPECIAL PROVISIONS.
20. THREE 5/8" DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR EACH 90° TURN IN A.B.S. COMPOSITE PIPE.
21. NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.B.S. COMPOSITE PIPE IS USED.
22. SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR DEFLECTING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A.B.S. COMPOSITE PIPE.
23. ALL N.Y.E. AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET AWAY AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
24. A.B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
25. ONLY N.Y.E. BRANCHES ARE TO BE USED FOR CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
26. MAINTAIN SEWER SERVICE AT ALL TIMES.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (805) 942-5027 SO THAT REQUIRED INSPECTION CAN BE MADE.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION.

GENERAL NOTES:

1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN SEA LEVEL DATUM OF 1988.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL BE PRESENT ON ANY PORTION OF THE WORK.
4. BRANCHES TO WHICH THIS APPROVED PLAN IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. BRANCHES NOT SHOWN ON PLANS OR PROFILES SHALL BE CONSTRUCTED AT ALL POINTS BY THE CONTRACTOR TO THE CENTER LINE OF THE MAINLINE SEWER PIPE TO THE POINT OF CONNECTION TO THE MAINLINE SEWER PIPE.
5. THE PRIVATE ENGINEER SHALL FURNISH THE CONTRACTOR WITH A PERMIT TO EXCAVATE FOR ALL HOUSE LATERALS AND N.Y.E. BRANCHES AND SHALL PROVIDE STAKES FOR THESE AT THE PROPER LOCATIONS WITH STATIONING PLACES. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE.
6. THE PRIVATE ENGINEER SHALL FURNISH THE CONTRACTOR WITH A PERMIT TO EXCAVATE FOR ALL HOUSE LATERALS AND N.Y.E. BRANCHES AND SHALL PROVIDE STAKES FOR THESE AT THE PROPER LOCATIONS WITH STATIONING PLACES. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A "T" BRANCH TO THE MAINLINE SEWER PIPE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE COUNTY OF LOS ANGELES AND THE CITY OF LANCASTER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE COUNTY OF LOS ANGELES AND THE CITY OF LANCASTER.
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CONSTRUCTION NOTES:

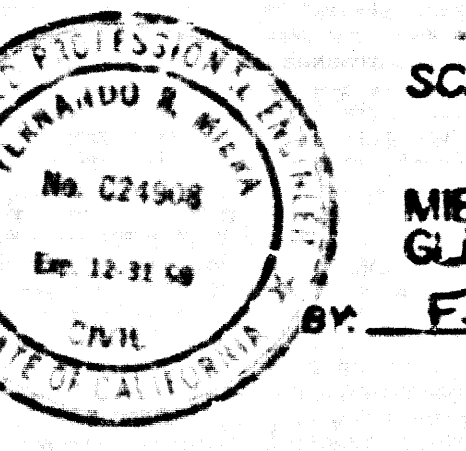
1. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
2. N.Y.E. OR HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
3. ALL STRUCTURES SHALL BE EITHER BRICK OR PRECAST CONCRETE MANHOLE PER S.D. EXCEPT AS NOTED.
4. PRECAST BRICKS IN THE PROPERTY LINE OR PROPERTY LINE PRODUCE AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH BRANCH.
5. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 18 INCHES ABOVE FINISHED GRADE.
6. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 208-2.
7. IF A HOLE IS 18 INCHES OR MORE IN DIAMETER THE SEWER SHALL BE ENCASED PER S.D. CASE 2 TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
8. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAINLINE OR HOUSE LATERAL, A PERMIT TO EXCAVATE SHALL BE OBTAINED FROM THE COUNTY OF LOS ANGELES AND THE CITY OF LANCASTER.
9. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHIN CAST IRON PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2.
10. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
11. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
12. FOR COMPLIANCE WITH SECTION 208-1.8 & 208-1.9 THE CONTRACTOR SHALL BE REQUIRED FOR BACKFILL IN STREETS CERTIFICATION OF BACKFILL CONSTRUCTION AND SOIL EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE BEGAINING OF CONSTRUCTION.
13. SPECIAL BACKFILL REQUIREMENTS FOR BACKFILL TRENCHES AND RELATED OTHERS ARE TO BE OBTAINED FROM THE NATIONAL OR FINISHED GRADES AND SLOPES SHOWN ON THE DRAWINGS SHALL BE APPLIED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION IN ALL BACKFILL AND SOILS TO BE REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE DENSITY PER S.D. 1.2. METHOD OF TEST OTHER THAN STANDARD ACCEPTABLE CERTIFICATION OF BACKFILL CONSTRUCTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, DEPARTMENT OF PUBLIC WORKS.

SANITARY SEWERS

TO BE CONSTRUCTED IN
 TRACT NO. 46057

PRIVATE CONTRACT NO. 10779

INDEX: A-289
 3 SHEETS; 6 PAGES

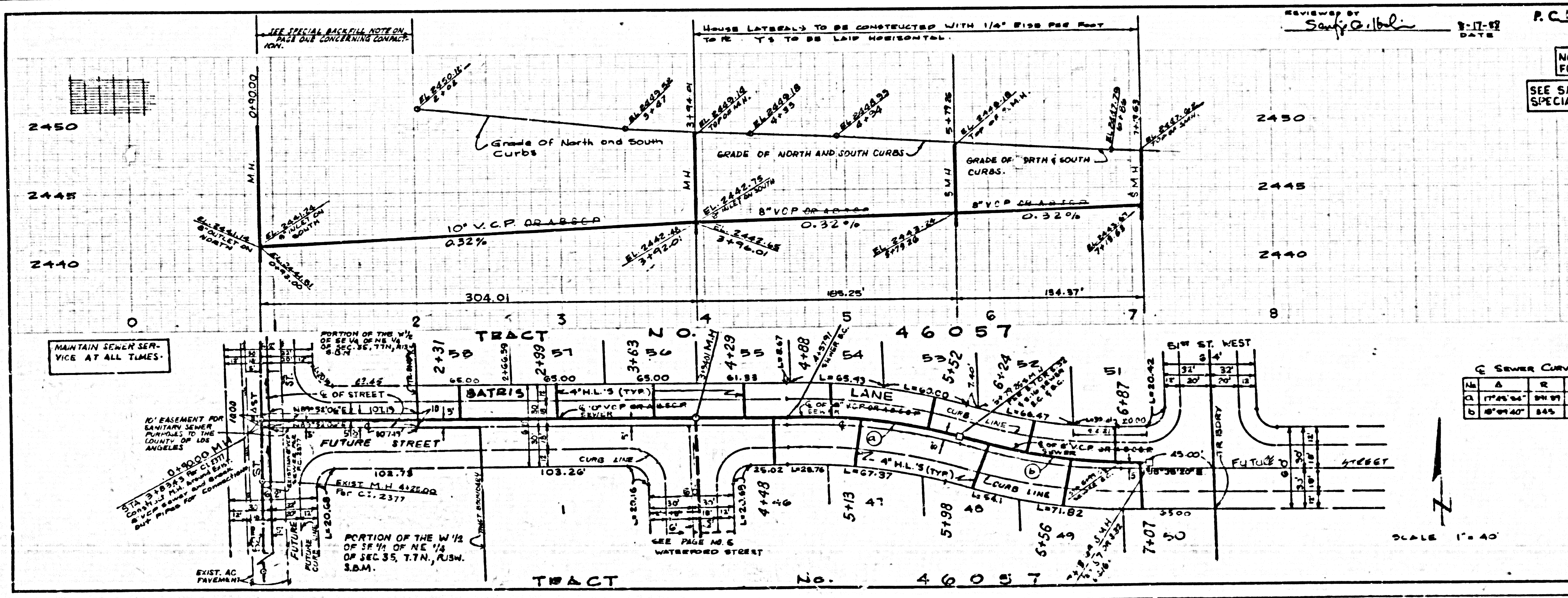


SCALE: HORIZ. 1" = 40' VERT. 1" = 4'
 NOVEMBER 1987
 PREPARED IN THE OFFICES OF
 MIERA & ASSOC. - 40742 E. COLORADO BLVD.
 GLENDALE, CA. TEL. (818) 243-3995
 BY: Fernando R. Miera
 REG. CE. NO. 24908
 LIC. EXP. 12-31-89

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

LEGEND	0-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	0-2
BRICK BRANCH MANHOLE	0-3
STANDARD MANHOLE STEP	0-4
BEDDING FOR BRICK PIPE	0-5
CRADLING AND ENCASEMENT	0-6
PIPE ON THE SUPPORT	0-7
ALLOWABLE TRENCH WIDTHS	0-8
(COVERING MANHOLE FRAMES AND COVER)	0-9
NON-REINFORCED PRECAST CONCRETE BRICK MANHOLE	0-10
REINFORCED MANHOLE BRICK MANHOLE	0-11
PRECAST CONCRETE BRICK MANHOLE MANHOLE	0-12
RECTANGULAR MANHOLE FRAMES AND COVER	0-13
MANHOLE FRAMES AND COVER	0-14

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS
 CHARLES W. CARRY, CHIEF ENGINEER
 APPROVED: [Signature] 11/17/87
 CHECKED: [Signature] 11/17/87
 REG. CE. NO. 18,116
 LANCASTER BLDG. DIST. 8

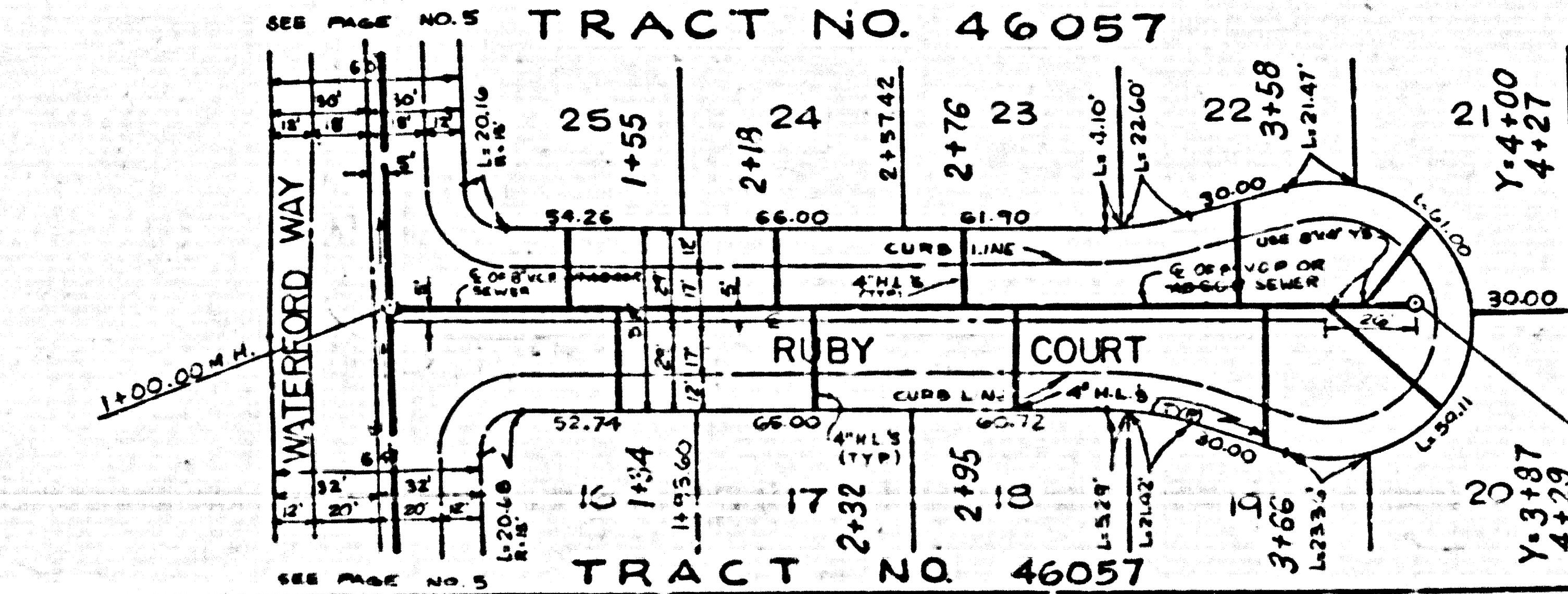
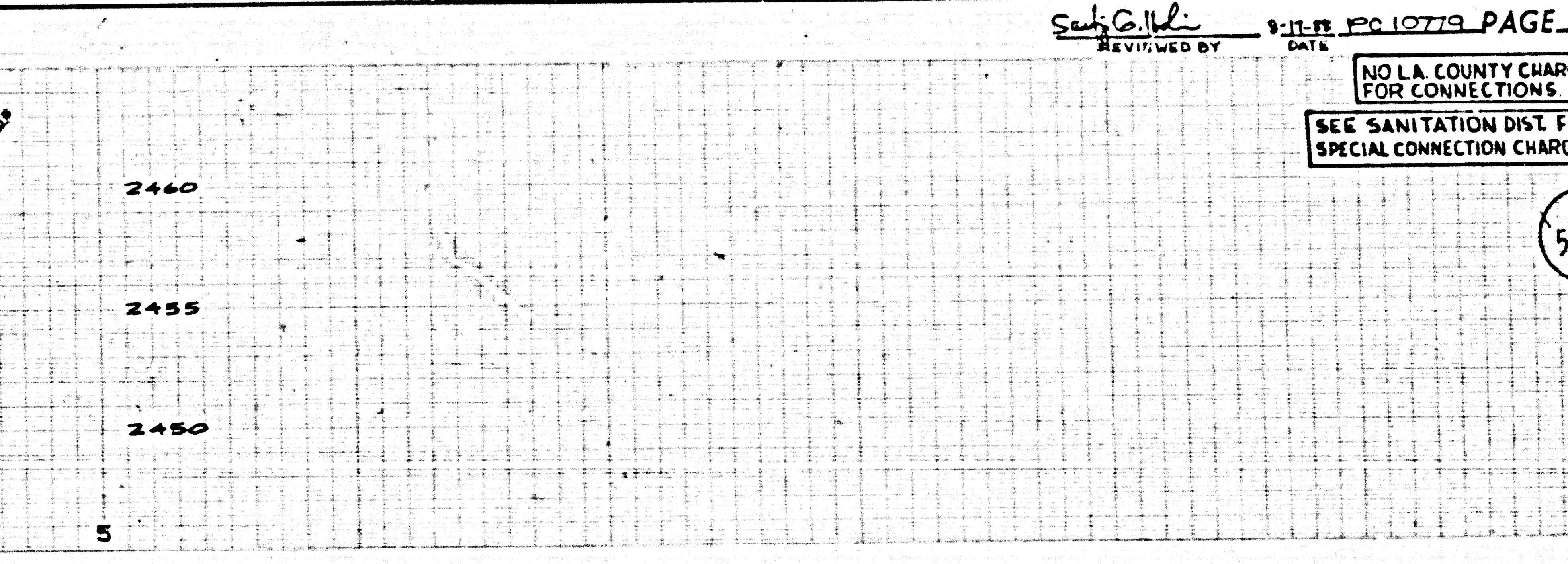
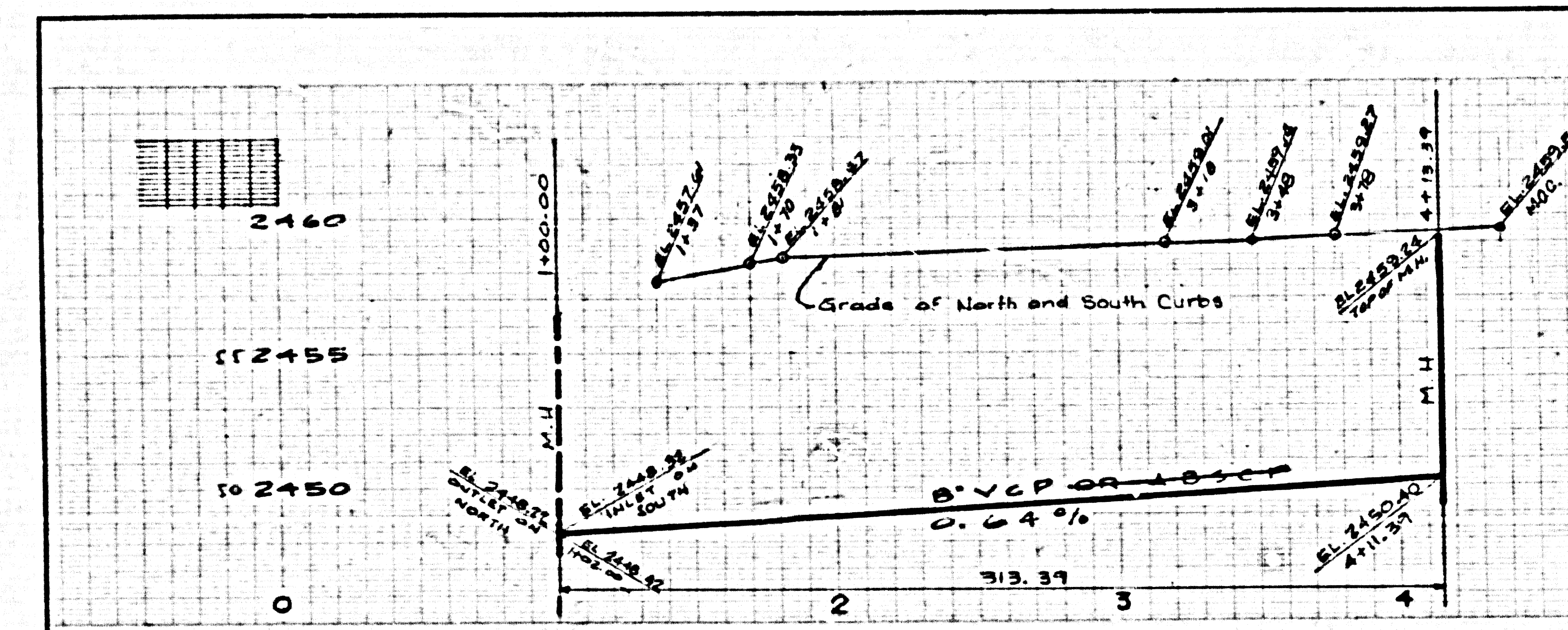
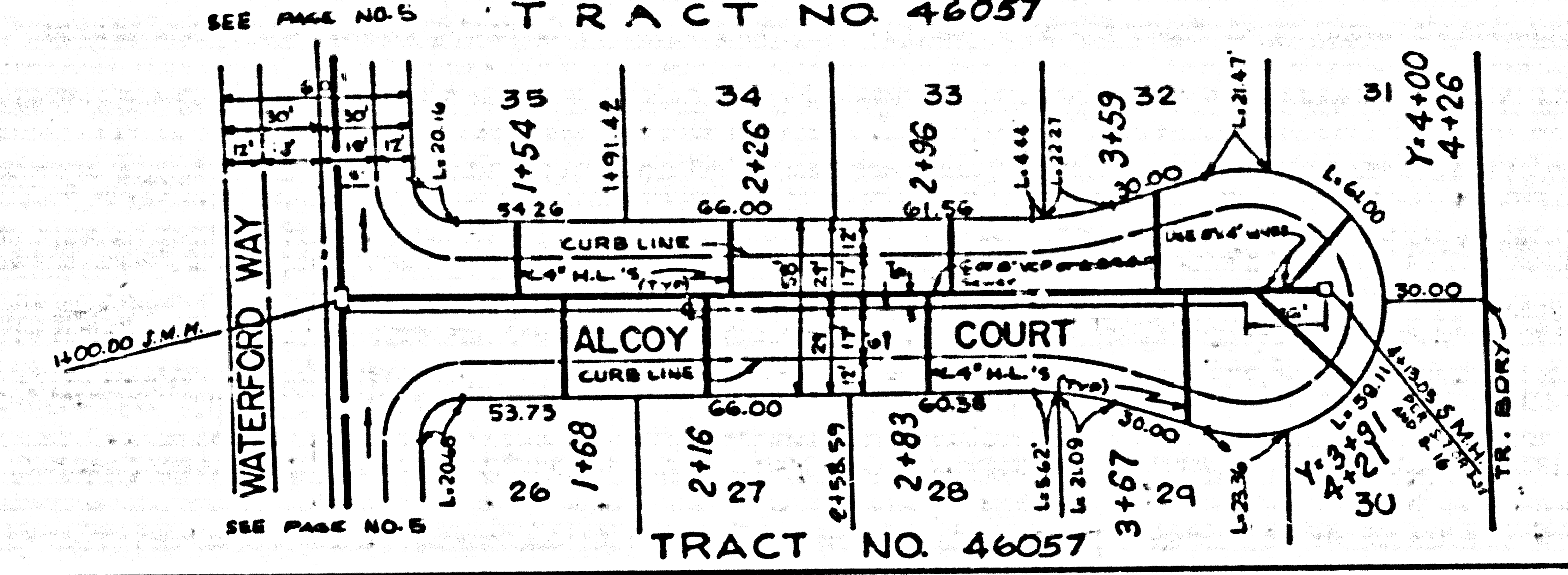
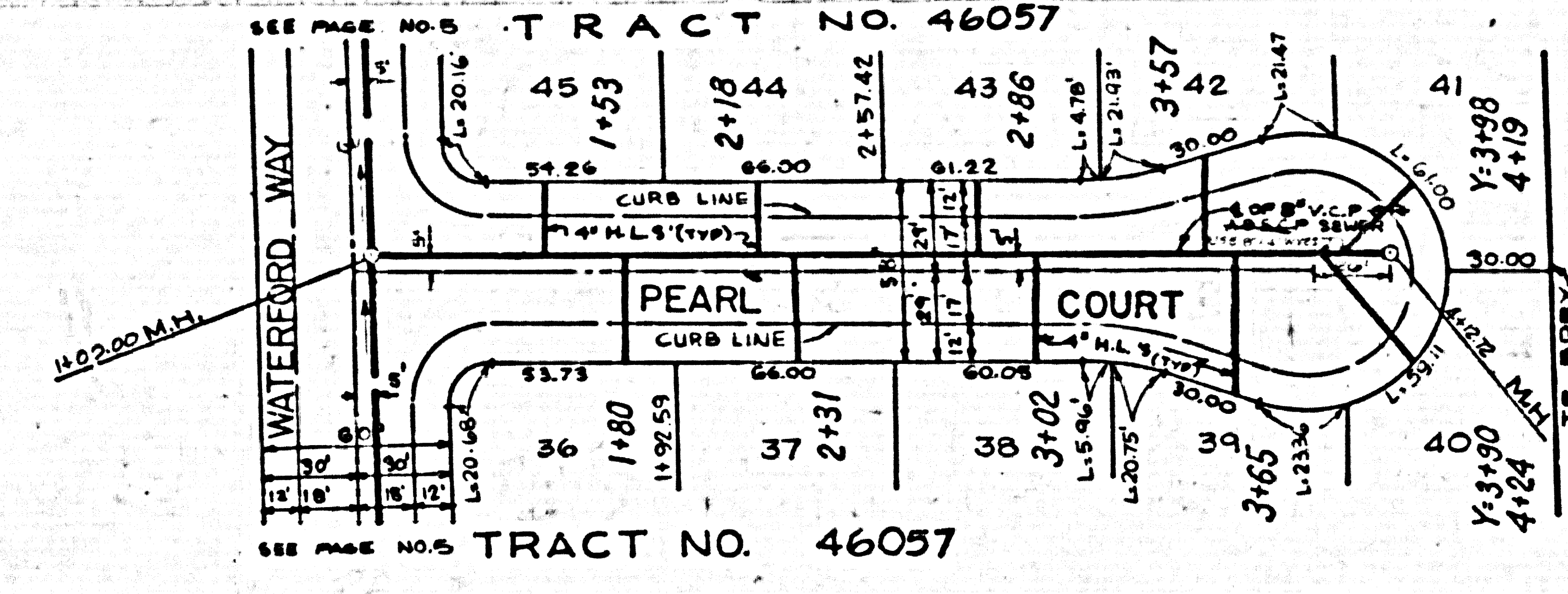
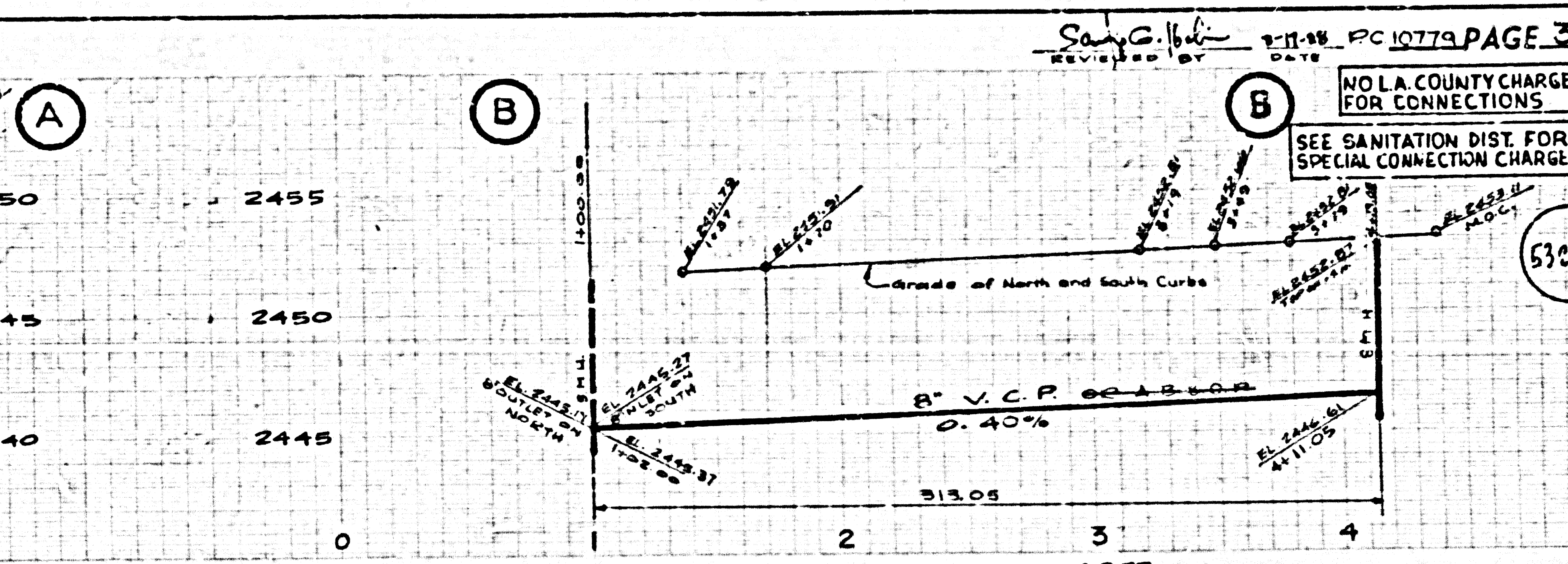
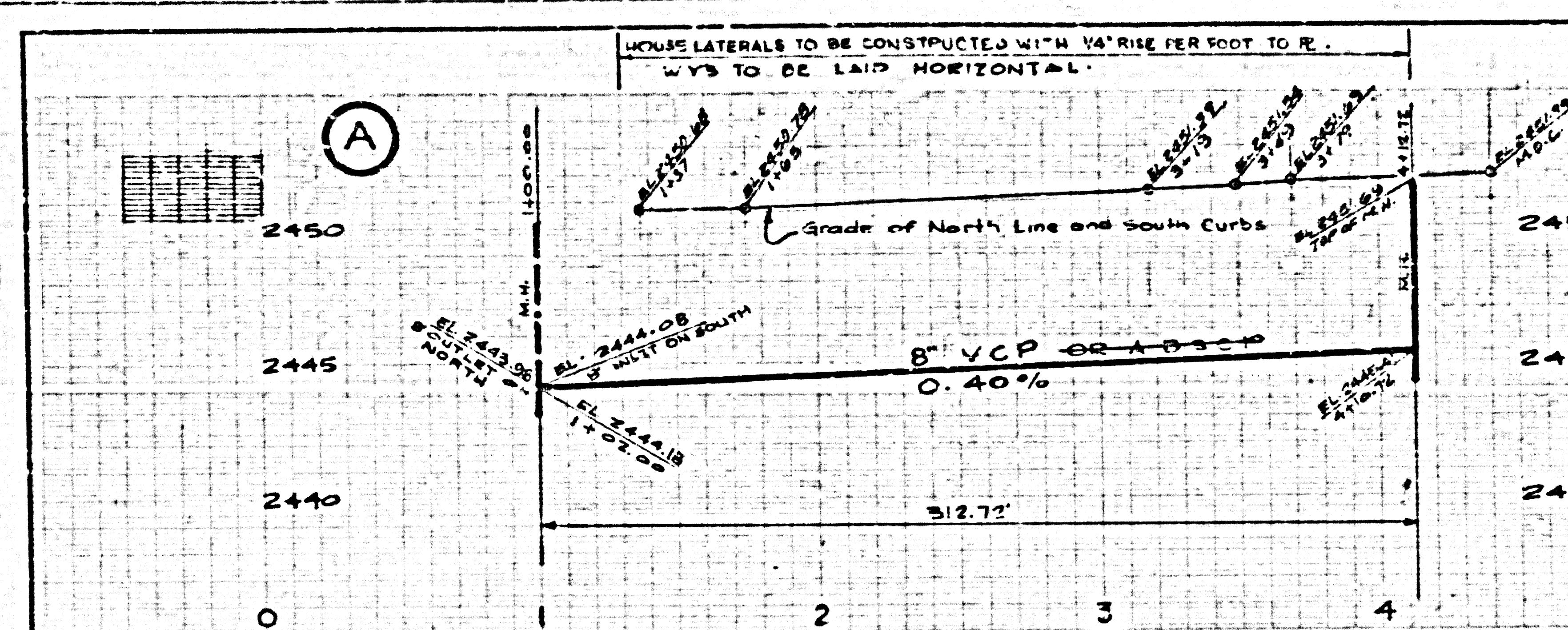


SEWER CURVE DATA

Sta.	A	R	L	T
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1+00	18° 04'	845.00	174.95	61.17

PTO129

TR024.00 TRCAST



Sanjay G. Ilii
REVIEWED BY DATE 8-11-88 PC 10779 PAGE 3

NO L.A. COUNTY CHARGES FOR CONNECTIONS
SEE SANITATION DIST. FOR SPECIAL CONNECTION CHARGES

53249

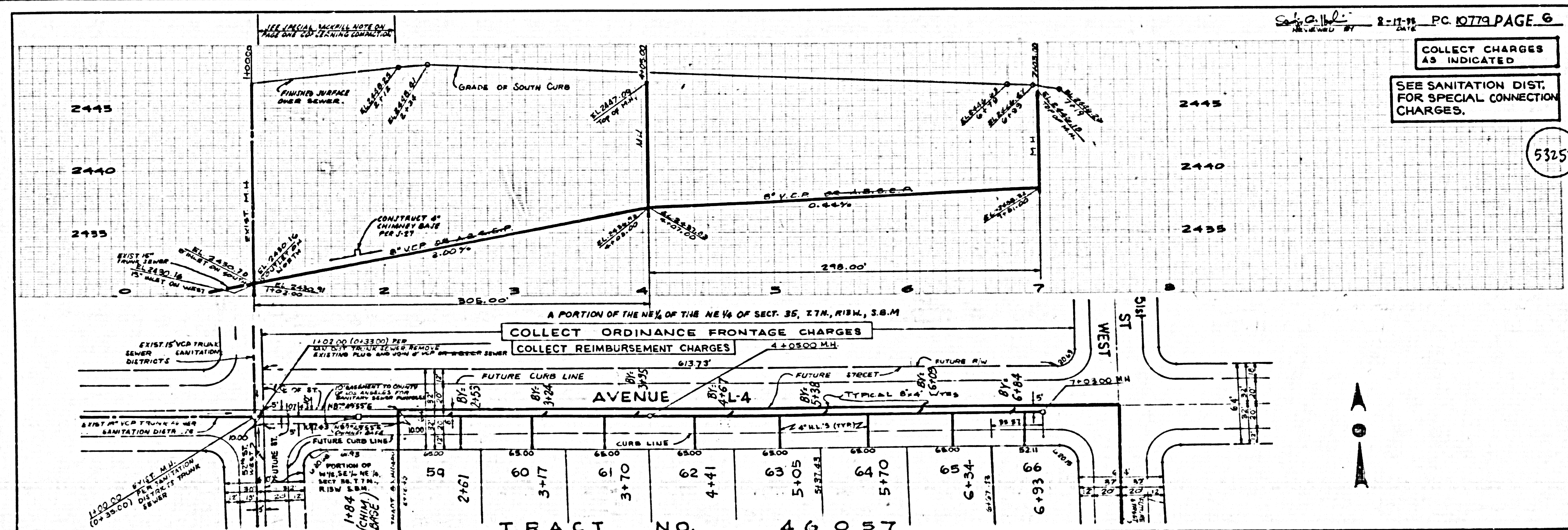
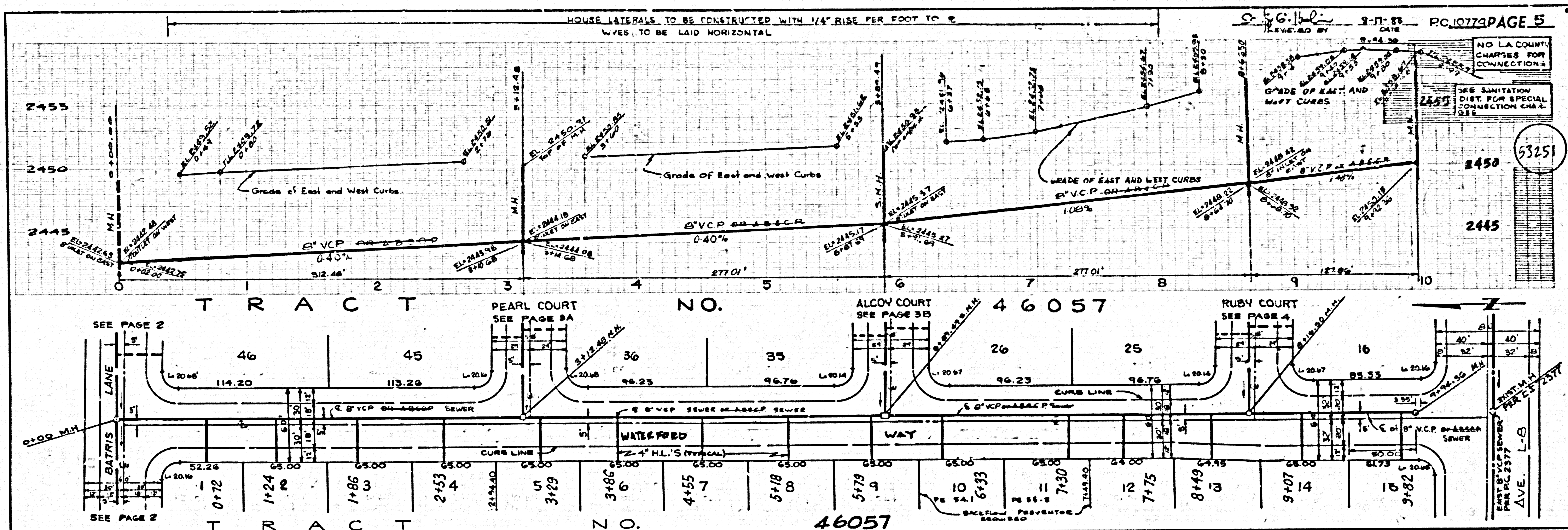
Sanjay G. Ilii
REVIEWED BY DATE 8-11-88 PC 10779 PAGE 4

NO L.A. COUNTY CHARGES FOR CONNECTIONS
SEE SANITATION DIST. FOR SPECIAL CONNECTION CHARGES

53250

2
P.C. 10779

TRACT NO. 46057



③
 PTOI 3F

TRACT NO. 46057