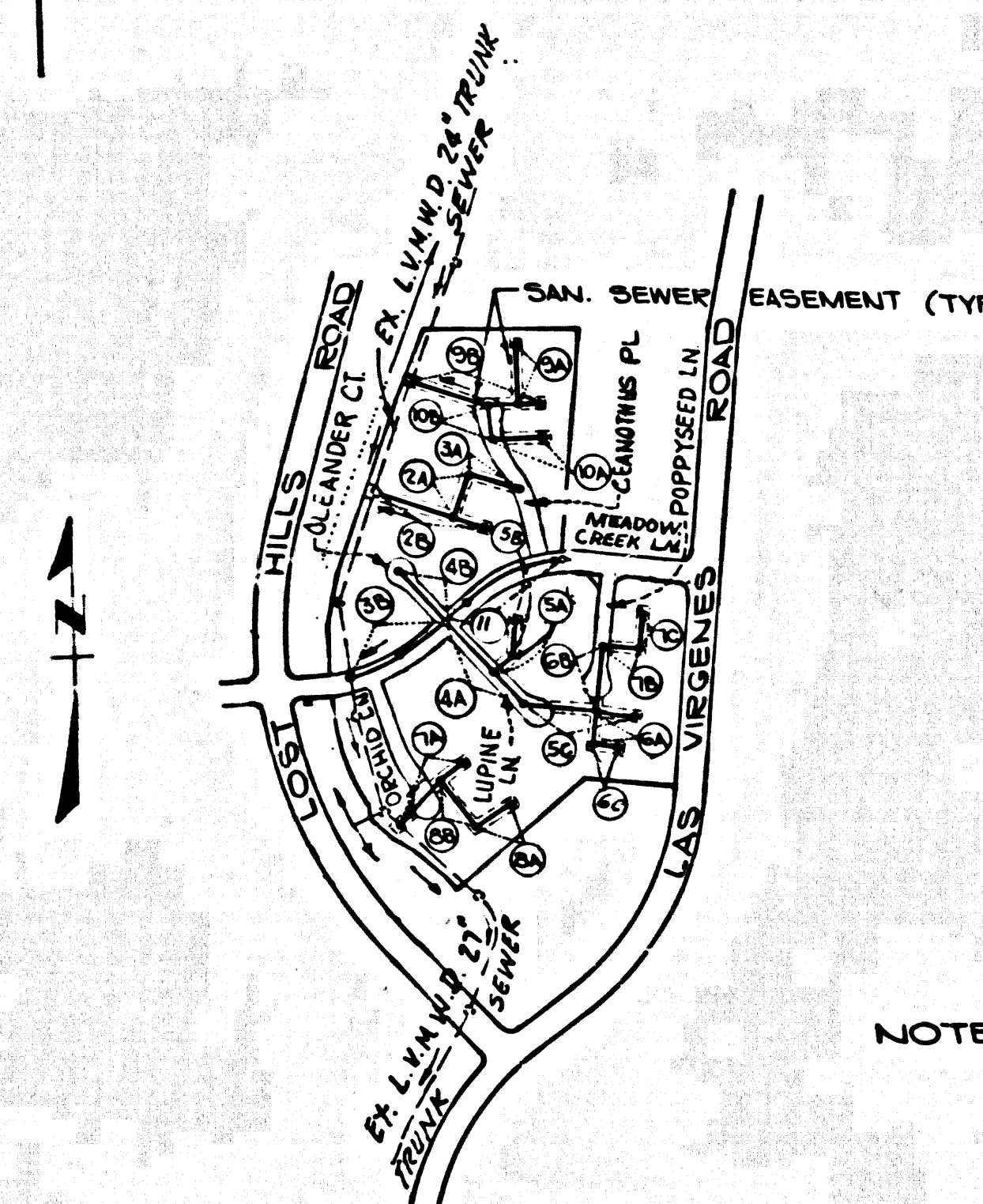


B.M. CY 7587 ELEV. 733.558  
 ST. HWY. B.M. MON. 12 IN. DN. 20 FT. E. CL.  
 LAS VIRGENES RD. 8 1/2 MI. S VENTURA FWY.  
 3 FT. S FIRE HD. 8 20 FT. N DIRT RD. TO  
 MSE # 3857 1.05 MI. S/O RONDELL RD.  
 MALIBU QUAD. 19 RD.



INDEX MAP  
 SCALE 1"=600'  
 P.C. NO. 10500  
 TR. NO. 43788

**CONSTRUCTION NOTES (CONT.):**

17. TESTING PER LAS VIRGENES MUNICIPAL WATER DISTRICT
- A. INFILTRATION & LEAKAGE TESTS. METHOD USED FOR TESTING WILL BE THE SAME AS L.A. COUNTY EXCEPT THE FLOW TO BE USED IS AS FOLLOWS:.....  
 0.033 GALLONS/MINUTE/INCH OF DIAMETER/1,000 FEET  
 OR  
 250 GALLONS/DAY/INCH O.D. DIAMETER/MILE
- B. MANHOLE LEAKAGE TESTS. AT THE DISCRETION OF THE DISTRICT'S REPRESENTATIVE, ONE MANHOLE OUT OF EVERY TEN MANHOLES AND A MINIMUM OF TWO WILL BE FILLED WITH WATER & AFTER THREE HOURS WILL BE CHECKED FOR LEAKAGE WITH NO DROP IN LEVEL. FOR EVERY ONE MANHOLE NOT PASSING TESTS, FIVE MORE WILL BE TESTED AT THE DISCRETION OF THE DISTRICT'S REPRESENTATIVE.
- C. AIR TESTING. WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE UPPER STRUCTURE & THE INVERT OF THE LOWER STRUCTURE IS MORE THAN SIX FEET, AN AIR TEST WILL BE MADE.  
 THE TIME TAKEN TO LOSE ONE POUND PER SQUARE INCH GAUGE PRESSURE FROM THREE POUNDS PER SQUARE INCH GAUGE PRESSURE TO TWO POUNDS PER SQUARE INCH GAUGE PRESSURE SHALL NOT BE LESS THAN TIMES SHOWN ON THE FOLLOWING TABLE:.....
- | MAIN PIPE DIAMETER | MINIMUM TIME LOSS |
|--------------------|-------------------|
| 12" - 14"          | 1 MINUTE          |
| 16" - 20"          | 2 MINUTES         |
| 24" - 30"          | 3 MINUTES         |
- IF THE TIME IS LESS THAN LISTED IN THE TABLE ABOVE, THE CONTRACTOR SHALL MAKE SUCH REPAIRS NECESSARY TO ELIMINATE THE EXCESSIVE LEAKAGE.

NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS.

NO HOUSE CONNECTIONS WILL BE MADE UNLESS A CONNECTION FEE IS PAID TO LAS VIRGENES MUNICIPAL WATER DISTRICT.

**GENERAL NOTES:**

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS.
- NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS OR CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLES OR TRIANGLES AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "Y" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
- THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE STREET.
- BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT. DISTRICT OFFICE NO. 31 AND PAY A FEE TO THE DEPARTMENT OF PUBLIC WORKS 2880 ALDAGRE AVENUE, LOS ANGELES, CA 90008 TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE NOTE APPLIES TO ALL PAGES.
- REFER TO SECTION 710.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
- PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE ROAD ELEMENT BY THE DEPT. OF PUBLIC WORKS & PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS 2880 ALDAGRE AVENUE, LOS ANGELES, LOS ANGELES, CALIFORNIA 90008, NEEDED AS THE CERTIFICATE HOLDER TO BE NOTICED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

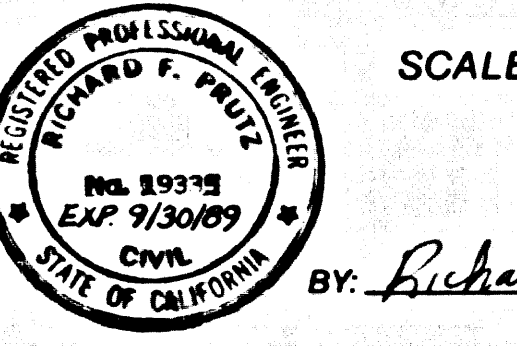
**CONSTRUCTION NOTES:**

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (11) REVISIONED WITH SUPPLEMENTS AND 2008-2009 SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS AS STATED B-8-79, AND SHALL BE PROSECUTED TO THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 888-8888 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH 1/2" SLOPE PER FT. TO EDGE OF R/W LINE.
- "Y" OR "T" BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER D.C. OR PRECAST CONCRETE MANHOLES PER D-38, EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- MANHOLE TOPS IN IMPROVED RIGHTS OF WAY TO BE LEVEL WITH FINISHED GRADE.
- UNFINISHED CLAY PIPE JOINTS SHALL BE THE "D" OR "D" TYPE STANDARD SPECIFICATIONS SECTION 200-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER D-38 CASE 1 UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
- 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 SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER D-38 CASE 1 UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 200-1.3.4 STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- SPECIAL BACKFILL REPAIRS OR EQUIVALENTS TO BACKFILL TRENCHES AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION OF ALL BACKFILL AND EARTH REPAIRS SHALL BE CONDUCTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER ASTM D 1557 METHOD OF TEST D698 #7 AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION - PUBLIC WORKS.
- MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 6" HIGHER ABOVE FINISHED GRADE.

PROFILE, ALIGNMENT AND GRADE OF PAGE 1

**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN

TRACT NO. 43788  
 PRIVATE CONTRACT NO. 10500  
 C 241-G,H-384  
 6 SHEETS; 11 PAGES



SCALE: VERT. 1"=4'  
 HORIZ. 1"=40'  
 MAY 29, 1986

PREPARED IN THE OFFICES OF  
 PACE ENGINEERING, INC.  
 5433 BALBOA BLVD., SUITE 101  
 ENCINO, CALIFORNIA 91316  
 BY: Richard C. Anderson  
 REG. CE NO. 19335

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

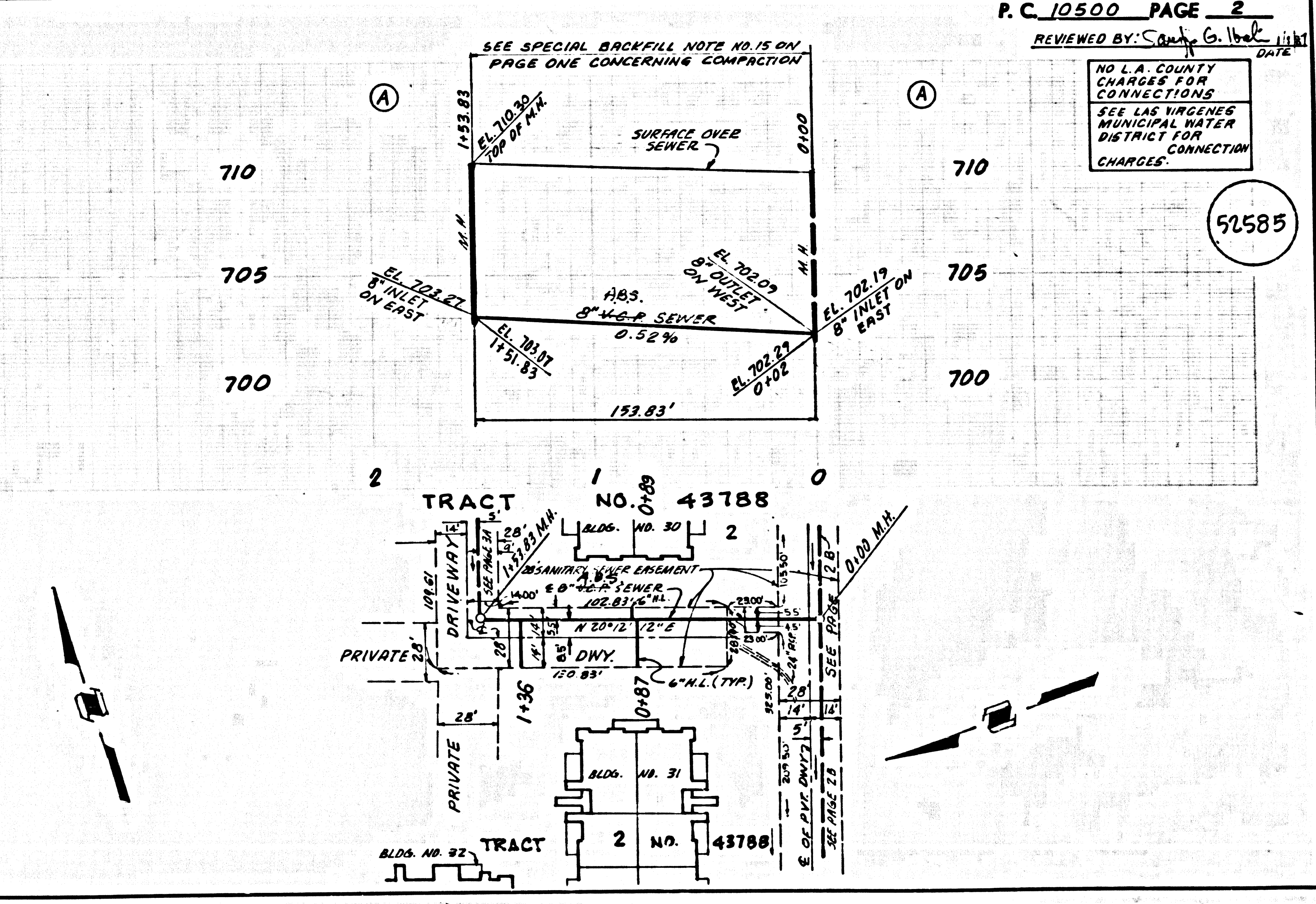
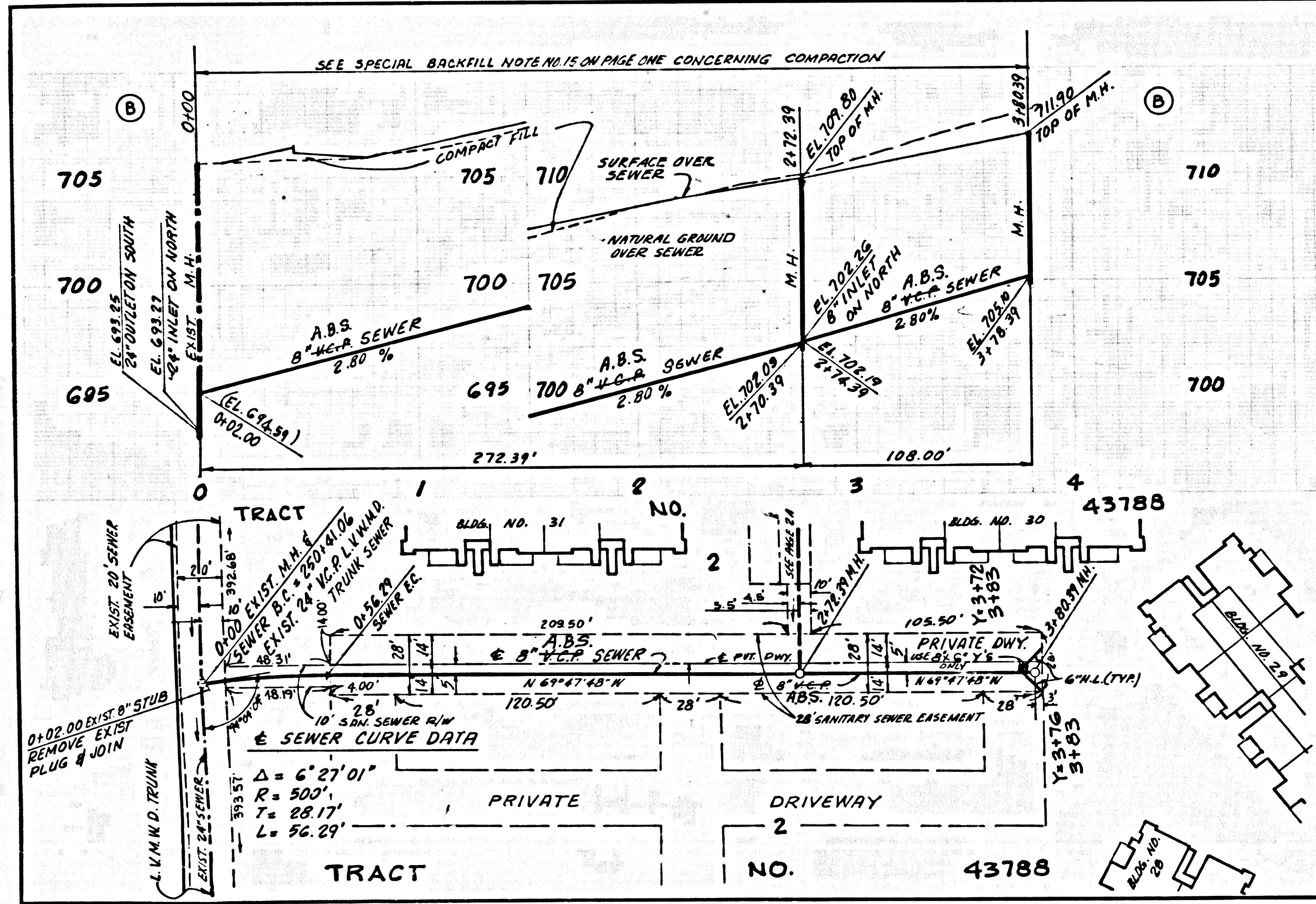
LEGEND	5-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	5-2
BRICK MANHOLE	5-3
STANDARD MANHOLE STEP	5-17
RECORDING "Y" SEWER PIPE	5-17
CRAWLING AND EASEMENT	5-23
"Y" OR "T" SUPPORT	5-26
ALLOWABLE TRENCH WIDTHS	5-32
LOCKING MANHOLE FRAME AND COVER	5-38
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-38

IN ADDITION, THE FOLLOWING LAS VIRGENES MUNICIPAL WATER DISTRICT STANDARDS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

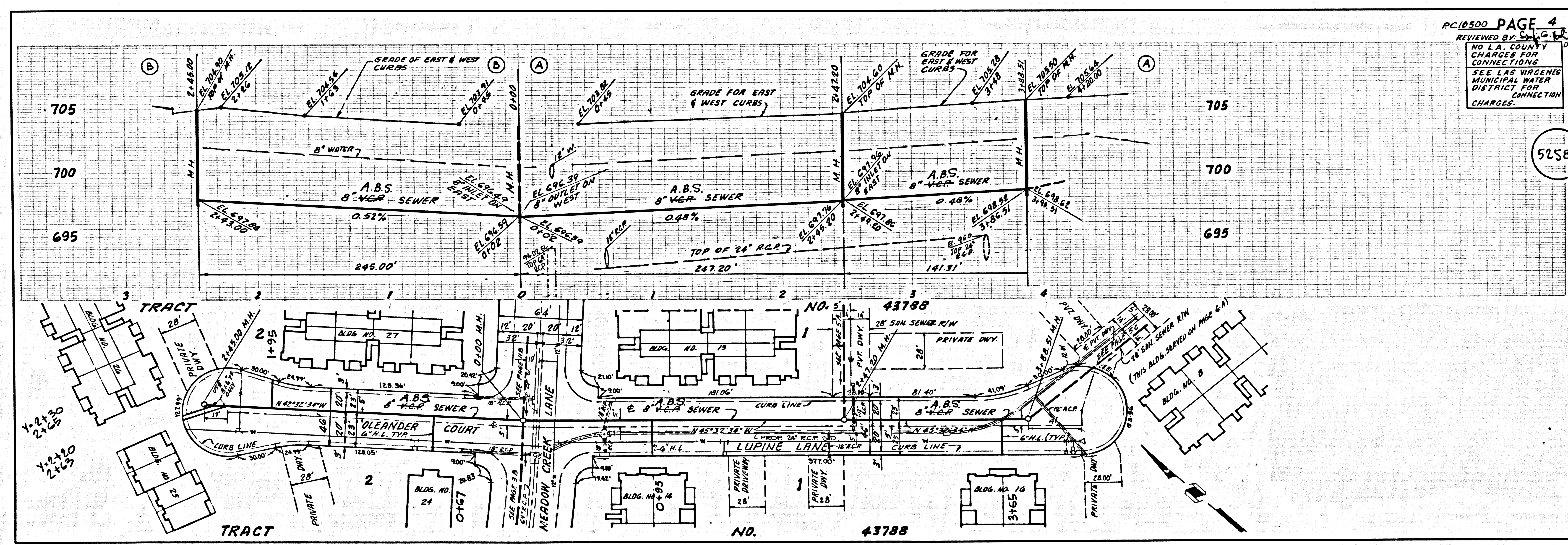
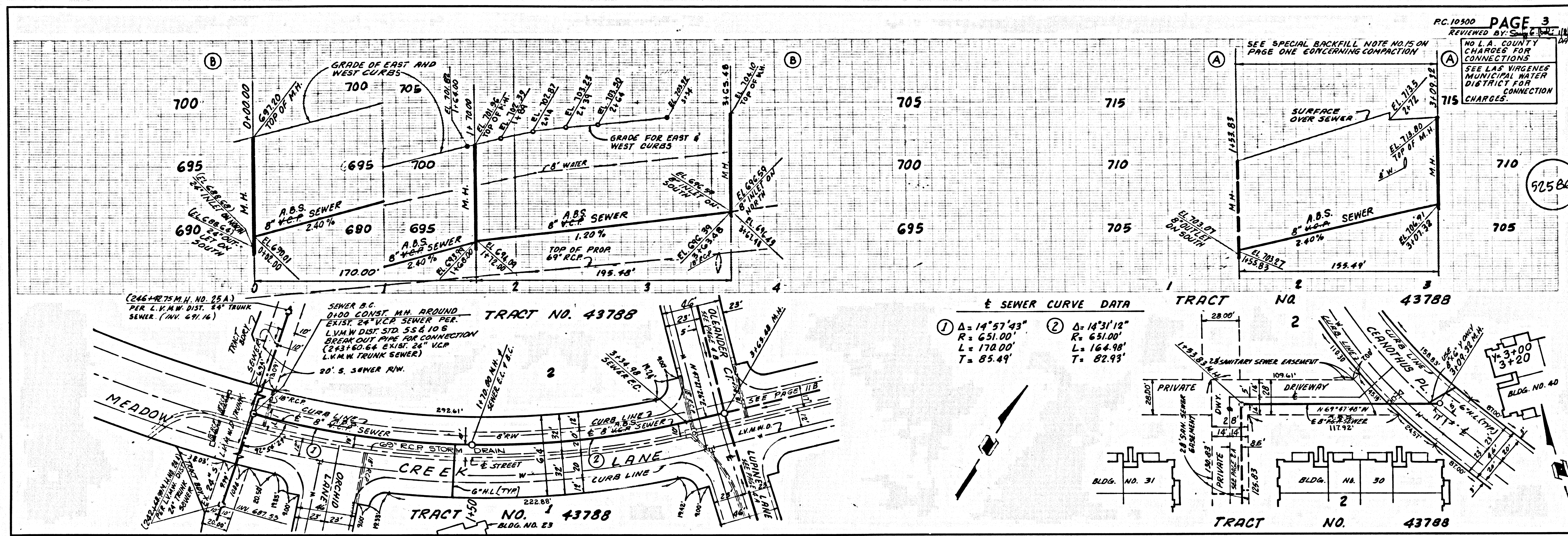
STANDARD MANHOLE & JUNCTION CHAMBER, TYPE "D"	6-5
STANDARD MANHOLE FRAME & COVER	10-8

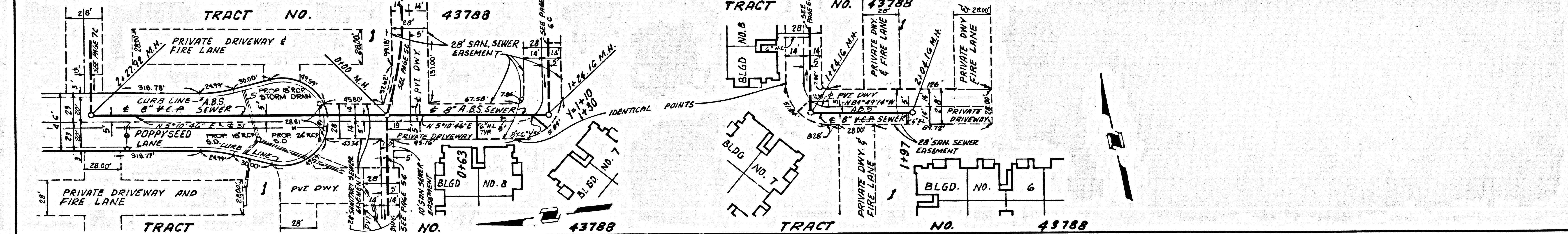
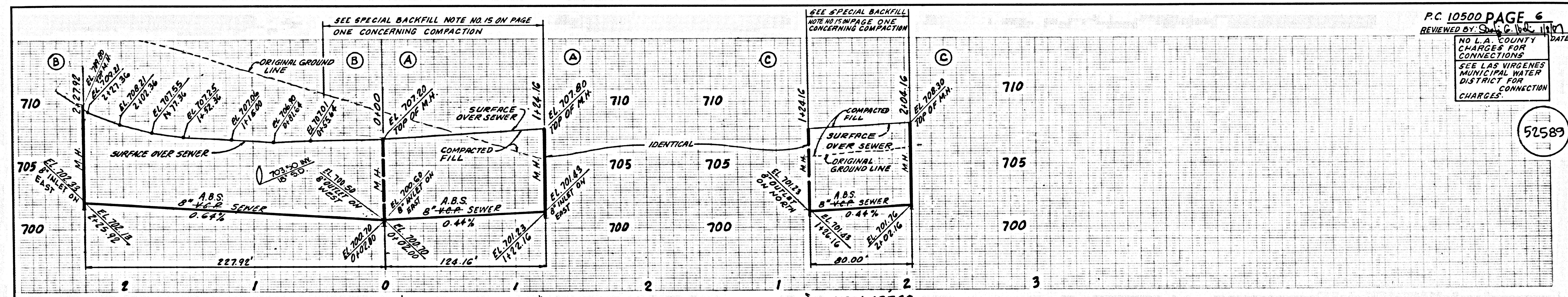
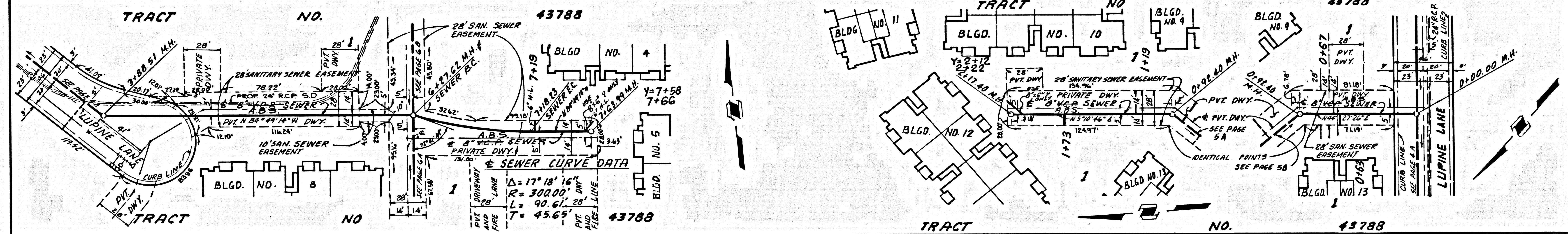
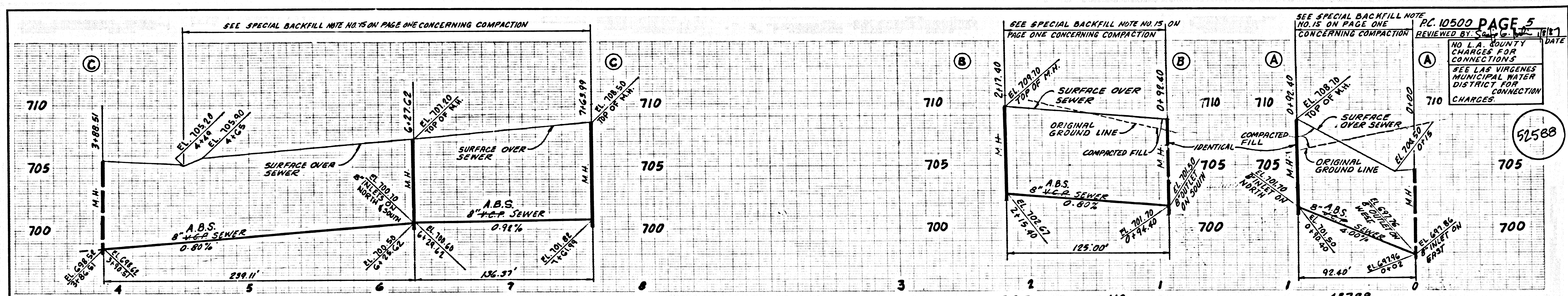
COUNTY OF LOS ANGELES, CALIFORNIA  
 LAS VIRGENES MUNICIPAL  
 THOMAS A. TIDEMANSON  
 DIRECTOR OF PUBLIC WORKS  
 WATER DISTRICT

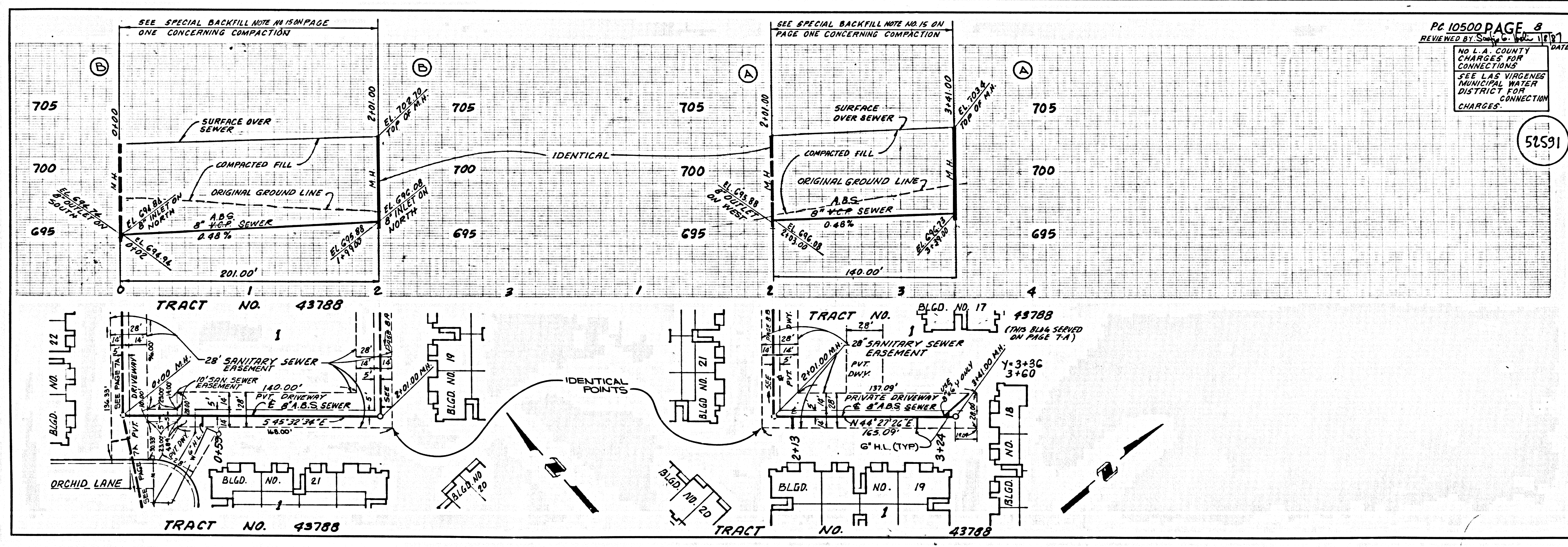
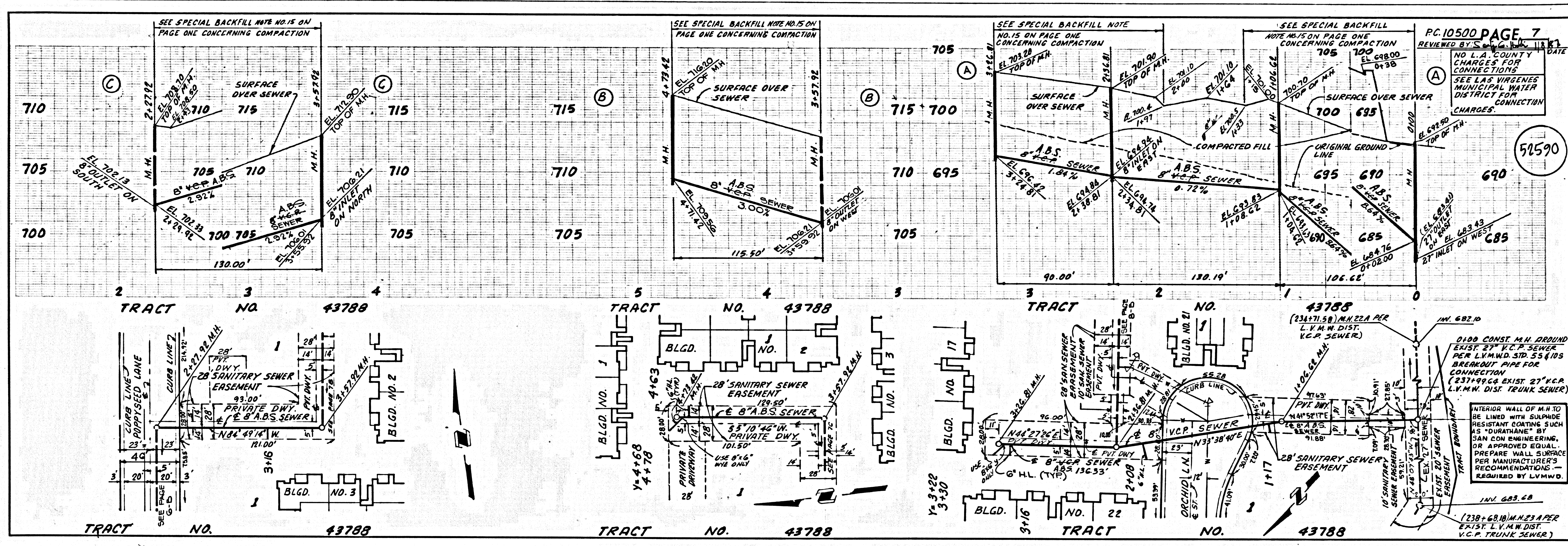
APPROVED: *Richard C. Anderson* 1-8-87  
 CHECKED: *Thomas A. Tideman* 1-8-87  
 REG. CE NO. 17536  
 CALABASAS BLDG. DIST. 3-1



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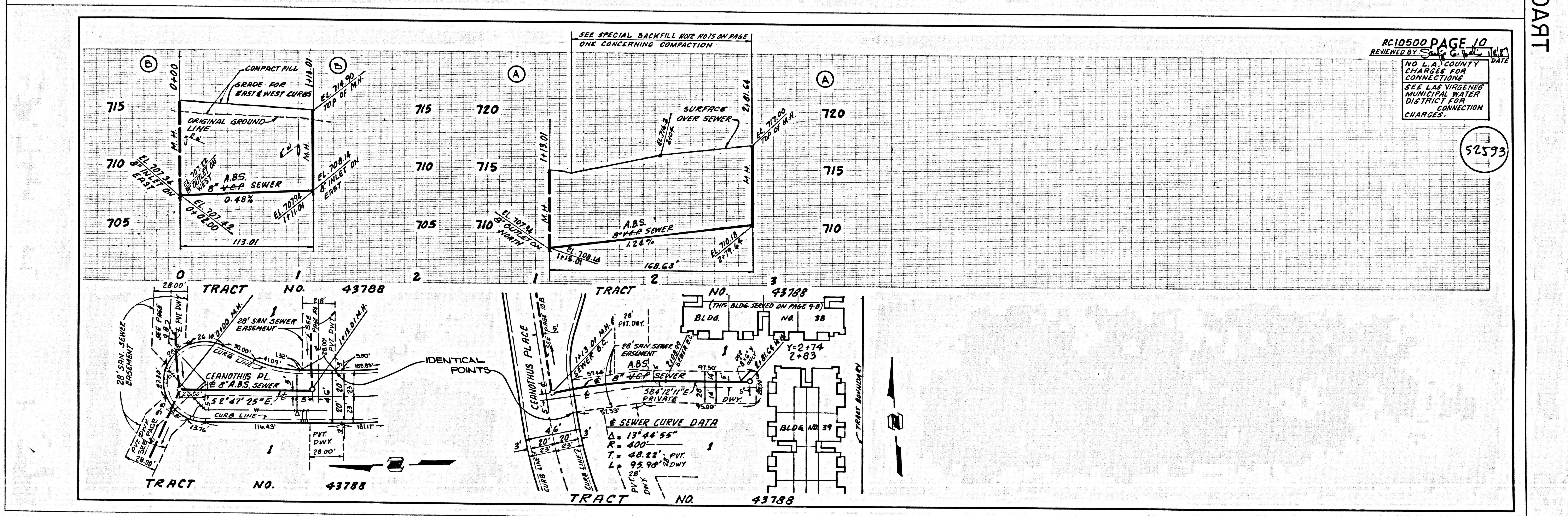
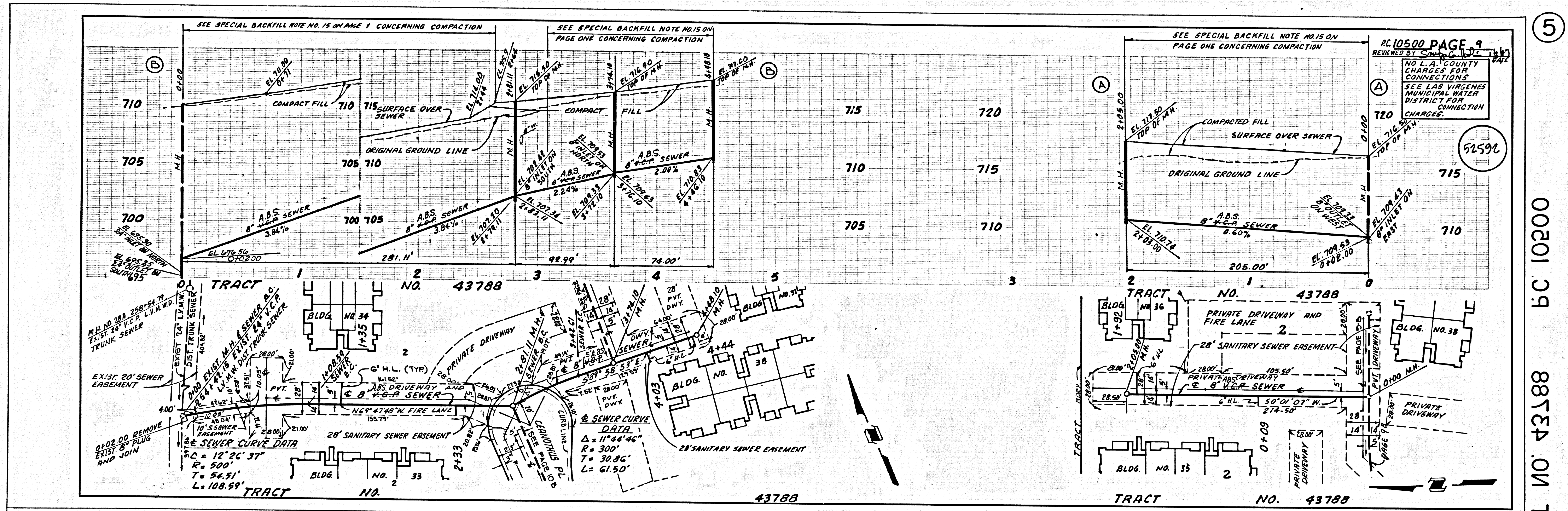


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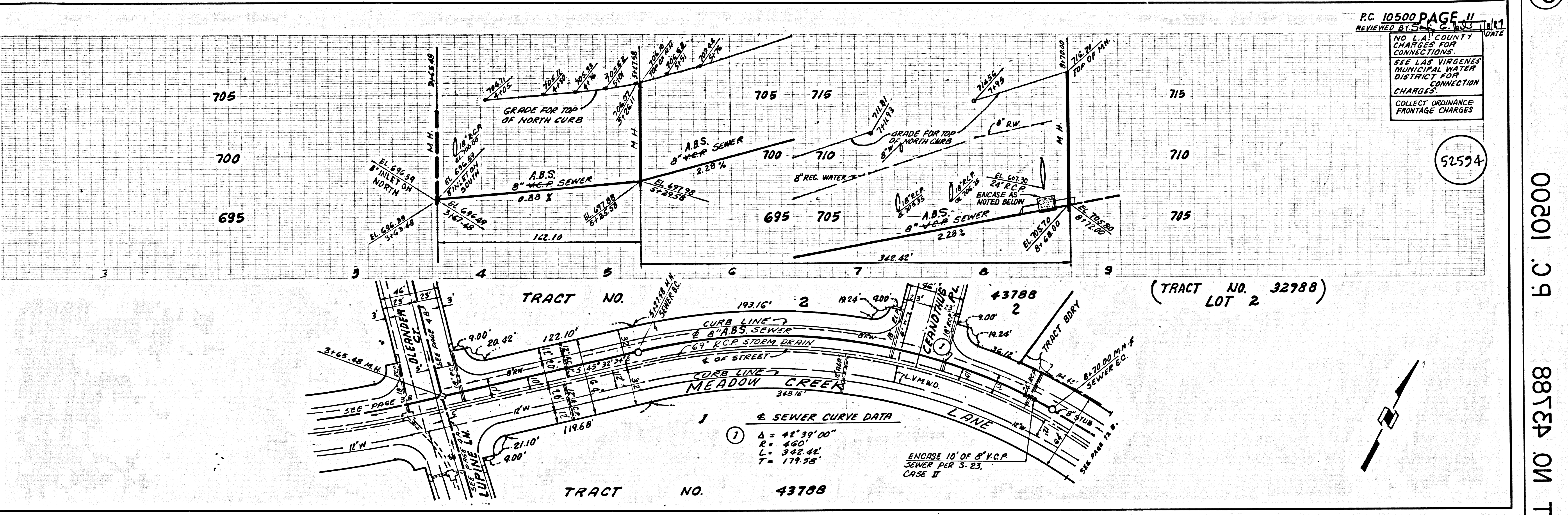
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