

**TESTING:**

- INFILTRATION AND LEAKAGE TEST:** METHOD USED FOR TESTING WILL BE THE SAME AS LOS ANGELES COUNTY, EXCEPT THE FORMULA TO BE USED IS AS FOLLOWS: 0.033 GALLONS/MINUTE/INCH OF MAIN LINE DIAMETER/1000 FEET, OR 250 GALLONS/DAY/INCH OF DIAMETER /MILE.
- 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 AND 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.
- AIR TESTING:** WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE UPPER STRUCTURE AND THE INVERT OF THE LOWER STRUCTURE IS MORE THAN SIX FEET (6) AN AIR TEST WILL BE MADE. THE TIME TAKEN TO LOSE ONE (1) POUND PER SQUARE INCH GAUGE PRESSURE FROM FROM THREE (3) POUNDS PER SQUARE INCH GAUGE PRESSURE TO TWO (2) POUNDS PER SQUARE INCH GAUGE PRESSURE SHALL NOT BE LESS THAN THE TIMES SHOWN ON THE FOLLOWING TABLE:

MAIN PIPE DIAMETER	MINIMUM TIME LOSS
8 TO 14	1 MINUTE

IF THE TIME IS LESS THAN LISTED IN THE TABLE ABOVE THE CONTRACTOR SHALL MAKE SURE REPAIRS ARE NECESSARY TO ELIMINATE EXCESSIVE LEAKAGE. THE CONTRACTOR SHALL NOTIFY THE L.V.M.W.D. 48 HRS. PRIOR TO COMMENCING WORK, TELEPHONE 889-0110 AREA CODE 213.

THE FOLLOWING COUNTY ENGINEER STANDARD SHALL APPLY TO THIS PROJECT

LEGEND	
MIN. PUBLIC SAFETY ELEVATIONS	5-2
BACK MANHOLES	5-3
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-4
REINFORCED PRECAST CONCRETE MANHOLE	5-5
MANHOLE FRAME AND COVER	5-6
MANHOLE STOP	5-7
BEDDING FOR SEWER PIPE	5-8
CONDUIT AND ENCASMENT	5-9
PIPE OR TEE SUPPORT	5-10
CHIMNEY	5-11
ALLOWABLE TRENCH WIDTHS	5-12
GRAVEL	5-13
ASPHALT BLOCK	5-14

Revision No 2 July 19, 1968  
 Added sewer lateral for future lot on Park Belmonte of station 14+80.  
 Approved: *Sam H. Miller*  
 Regional Engineer RE No 11036G

Revision No 1 JULY 12, 1968  
 Extended 8" mainline sewer on Park Belmonte 77 1/2 to 5' North of Tract line  
 Revision begins at sewer station 28+05.24 located on page 6.  
 Approved: *Sam H. Miller*  
 Office of County Engineer RE No 11036G

**DOUBLE SCALE**  
**CALABASAS BLDG. DIST. NO. 91**

- PROF. ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** PAGE 1  
 TO BE CONSTRUCTED IN  
**TRACT No. 27698**  
**PRIVATE CONTRACT NO. 8003**  
 W.S. 60-B-3  
 5 SHEETS, 9 PAGES  
 SCALE: 1" = 8' HORIZ. 1" = 4' VERT.  
 DECEMBER, 1967 40627  
 PREPARED IN THE OFFICES OF  
**BECHTEL CORPORATION**  
 23600 CALABASAS ROAD CALABASAS, CALIFORNIA  
 BY *Stanley Bunn*  
 REG. C.E. NO. 14223  
 FOR LEGEND SEE PLAN NO. S-1
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
  - NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
  - THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS "T" AND "Y" 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 DISCUSSED BY 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 SHEET.
  - NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
  - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-2747, EXT. 81531, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
  - MANHOLES SHALL BE BRICK SEWER STRUCTURES PER S-2 PRECAST CONCRETE MANHOLES PER S-3 OR S-4 MAY BE USED EXCEPT AS NOTED.
  - USE STANDARD MANHOLE FRAMES AND COVERS, S-15, EXCEPT AS NOTED.
  - MANHOLES FOR UNIMPROVED HIGHWAY-OR-WAY TO BE SET INCHES ABOVE FINISHED GRADE.
  - USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD UNLESS EXCEPT AS NOTED.
  - USE MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPEC. SECT. 204-2.
  - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-25, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
  - IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-25, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
  - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED.
  - RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
  - DRIVES DOWN OR ALL AT PROPERTY LINE.
  - ALL STATE AND LOCAL TRENCH SAFETY DEVICES WILL BE STRICTLY ENFORCED.
  - THE CONTRACTOR SHALL OBTAIN GRADE SHEETS FOR TOP OF MANHOLES FROM THE ENGINEER.
  - SPECIAL BACKFILL IN ALL AREAS OUTSIDE OF STREET RIGHT OF WAY TO BE BRICKELL TRUSS AND WALLACE OTHER EARTH REQUIRED AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE DRAWING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION.  
 (ALL BACKFILL AND BATHY BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STANDARD METHOD D 1557-57 AS MODIFIED.  
 ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION BY A SOILS ENGINEER.)
  - FOR SEWER PIPE BEDDING SEE COUNTY ENGINEER STANDARD DRAWING S-21.
  - "T" MAY BE USED IN PLACE OF "Y" EXCEPT AS NOTED.

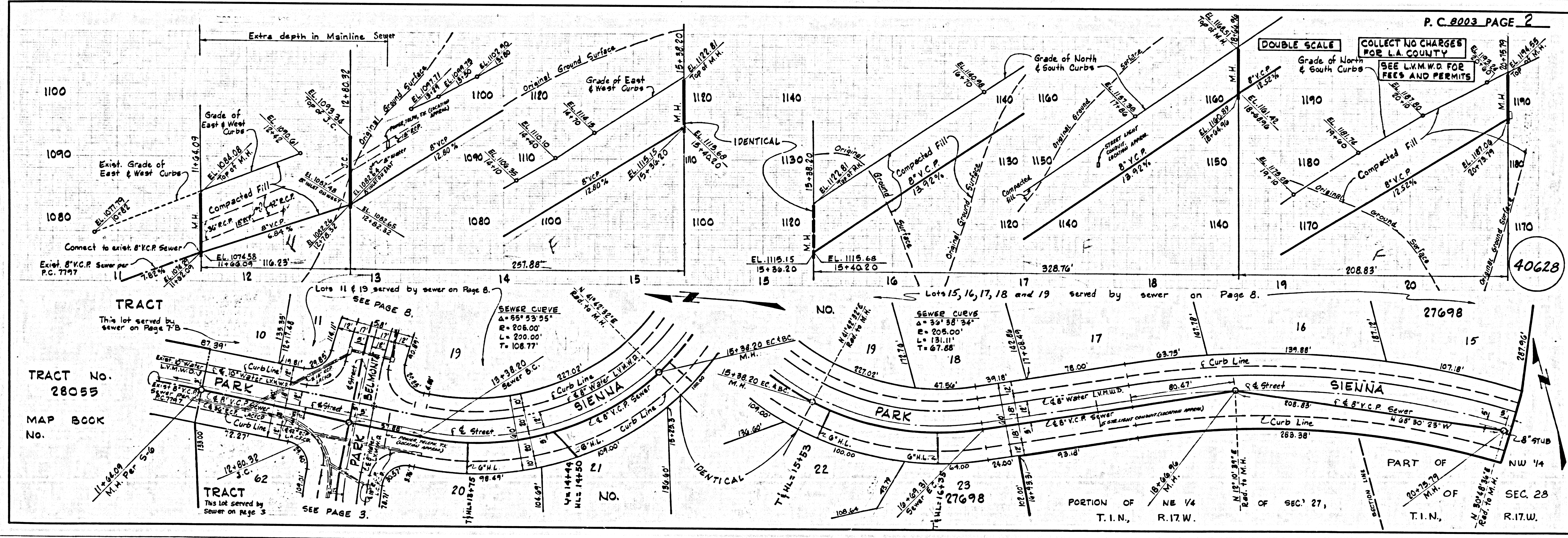
PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** PAGE 1  
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NOTES:  
 GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GREAT POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE BETWEEN SAID DESIGNATED POINTS.  
 ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL, DATUM OF 1929.  
 THE DRAWINGS AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.  
 WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND COUNTY ENGINEER'S SPECIAL SPECIFICATIONS FOR THE PROJECT AND SHALL BE PRECEDED BY THE PRELIMINARY SURVEY OF THE COUNTY ENGINEER. 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. 3 AND PAY A FEE TO THE COUNTY ENGINEER, ROOM 502 COUNTY ENGINEERING BUILDING, 100 WEST SECOND STREET, MALIBU.  
 APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THE PROJECT. THIS NOTE APPLIES TO ALL PAGES.  
 IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 288 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

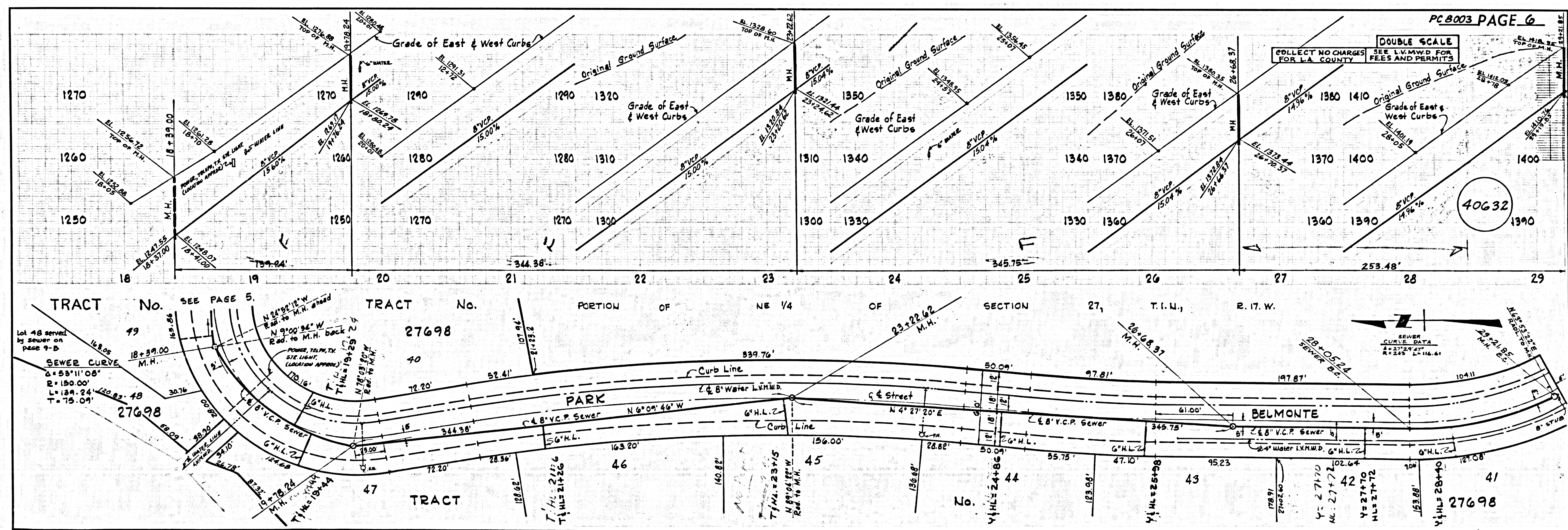
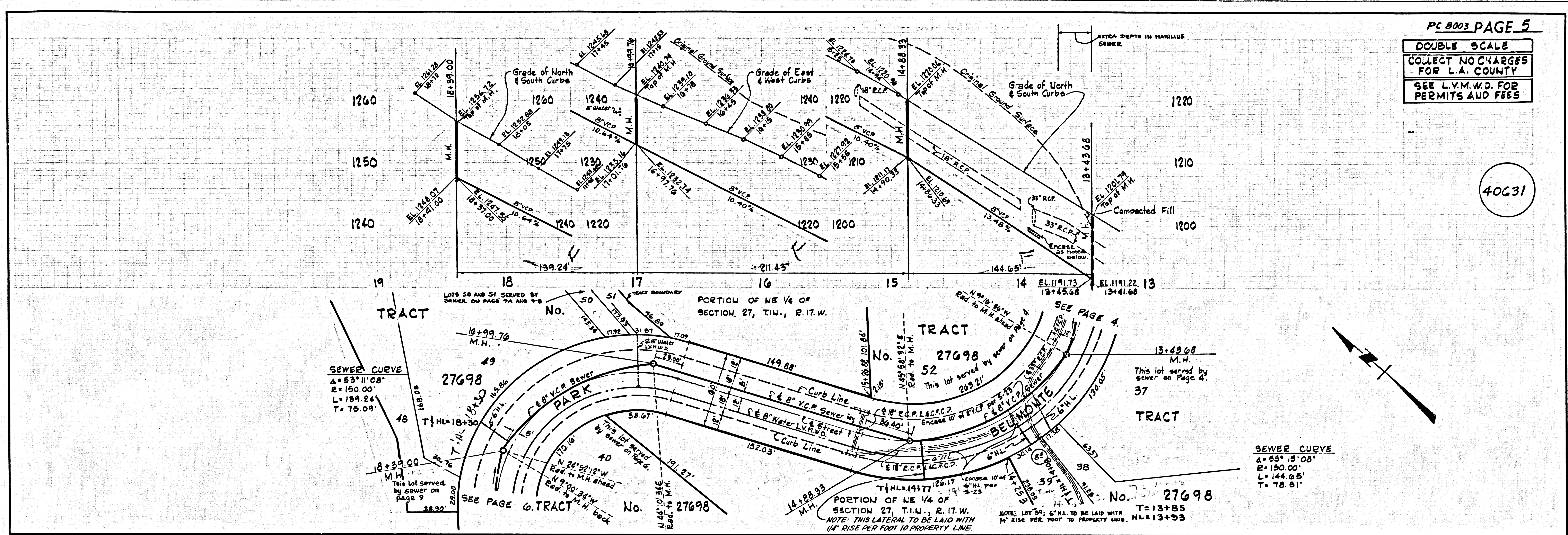
COUNTY OF LOS ANGELES, CALIFORNIA  
 JOHN A. LAMIE, COUNTY ENGINEER  
 LAS VIRGENES MUNICIPAL WATER DISTRICT  
 APPROVED BY: *Sam H. Miller* REGIONAL ENGINEER  
 APPROVED BY: *Walter Stoker* CHIEF ENGINEER

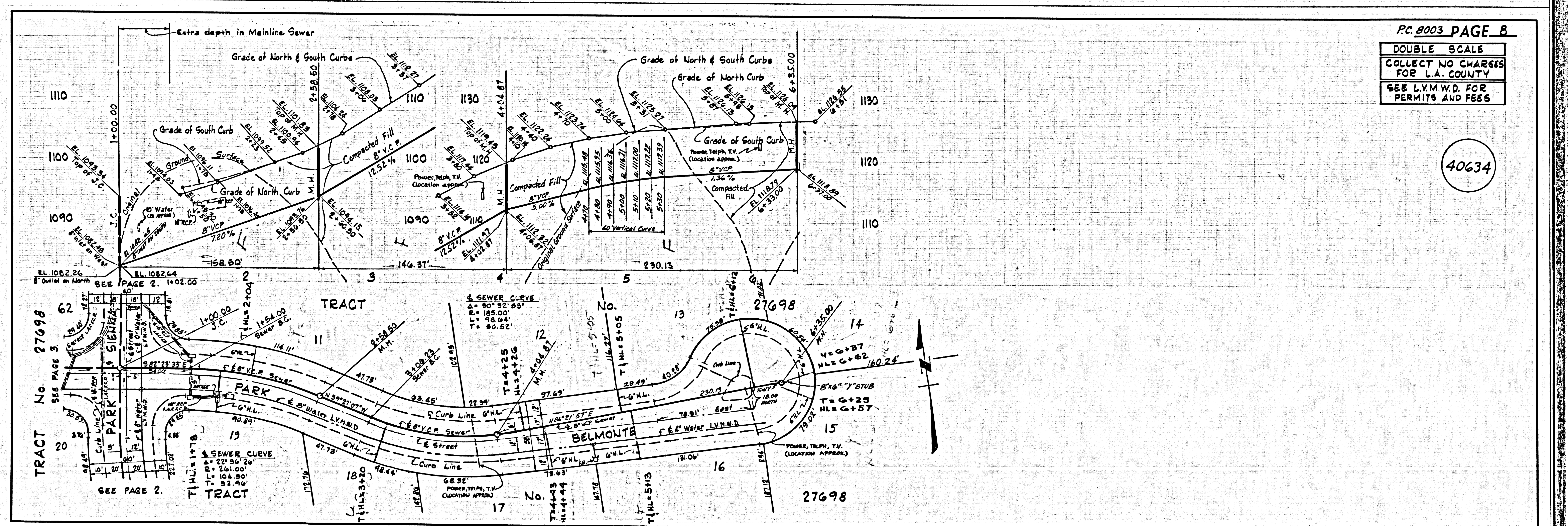
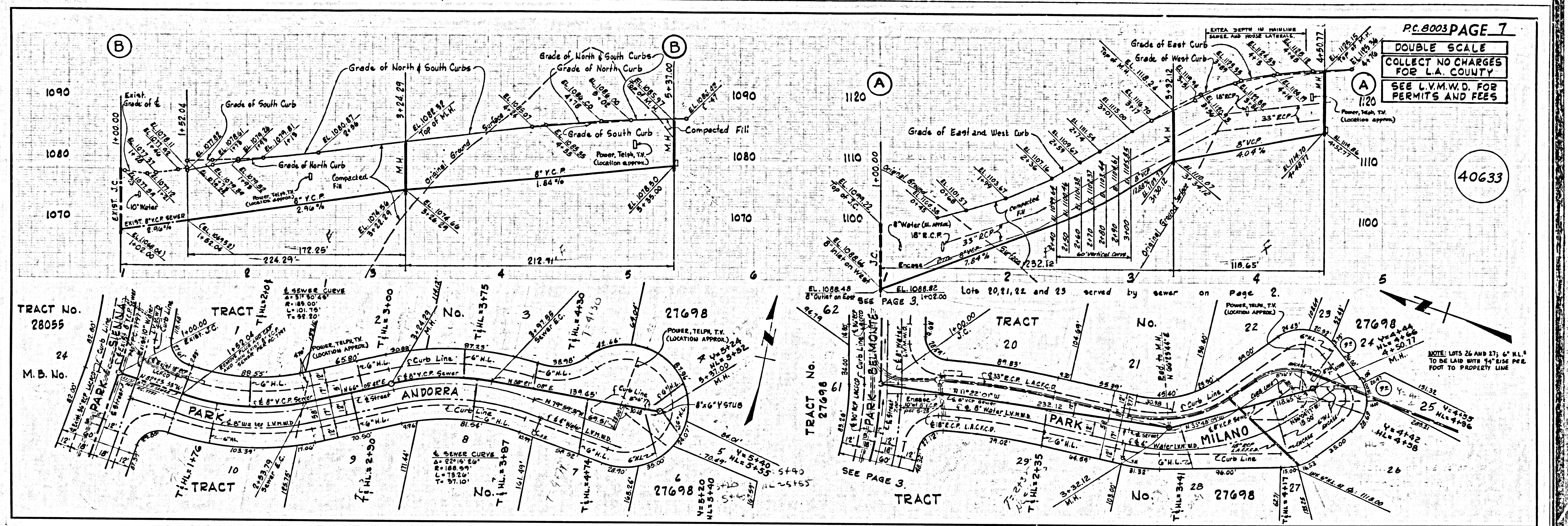
COLLECT CHARGES AS INDICATED  
 REVISION NO. 4, DEC. 27, 1968  
 REVISED NOTE 194 194 ON PAGE ONE AND REVISED NOTE ON PAGE 9A CONCERNING SLOPE ANCHORS.  
 APPROVED: *Sam H. Miller*  
 Office of County Eng. RE No 11036G

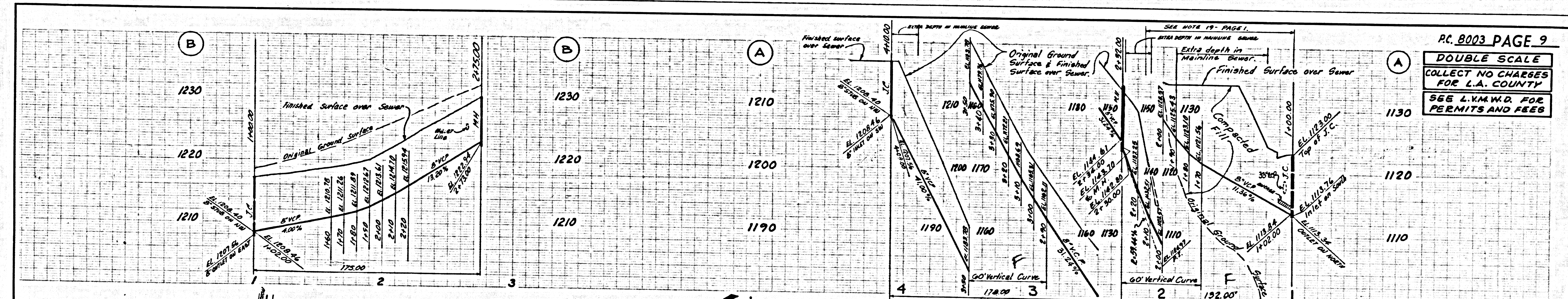
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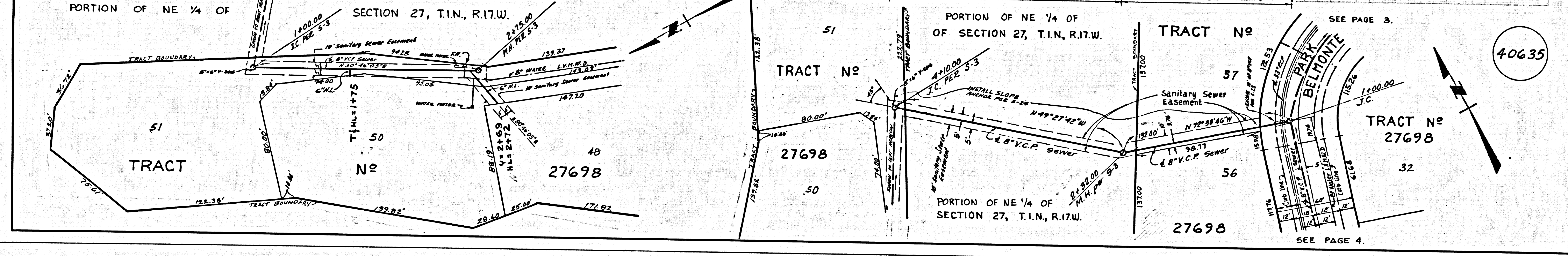




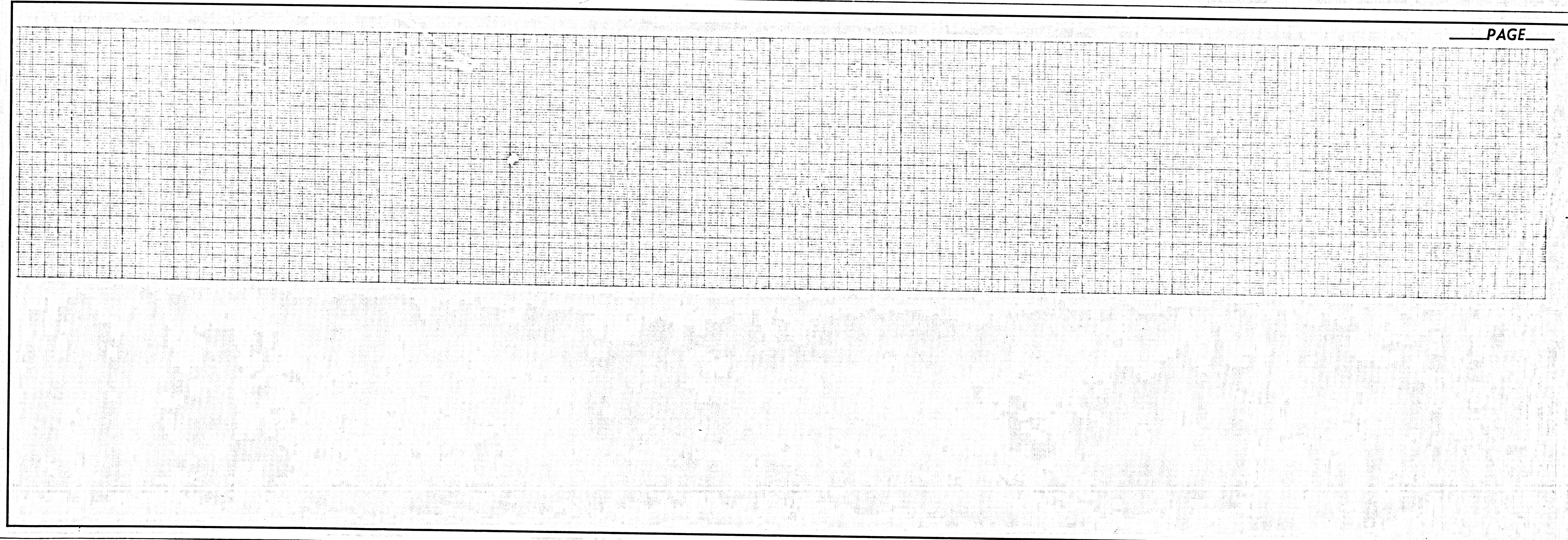




PC 8003 PAGE 9  
**DOUBLE SCALE**  
 COLLECT NO CHARGES  
 FOR L.A. COUNTY  
 SEE L.V.M.W.D. FOR  
 PERMITS AND F&E



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