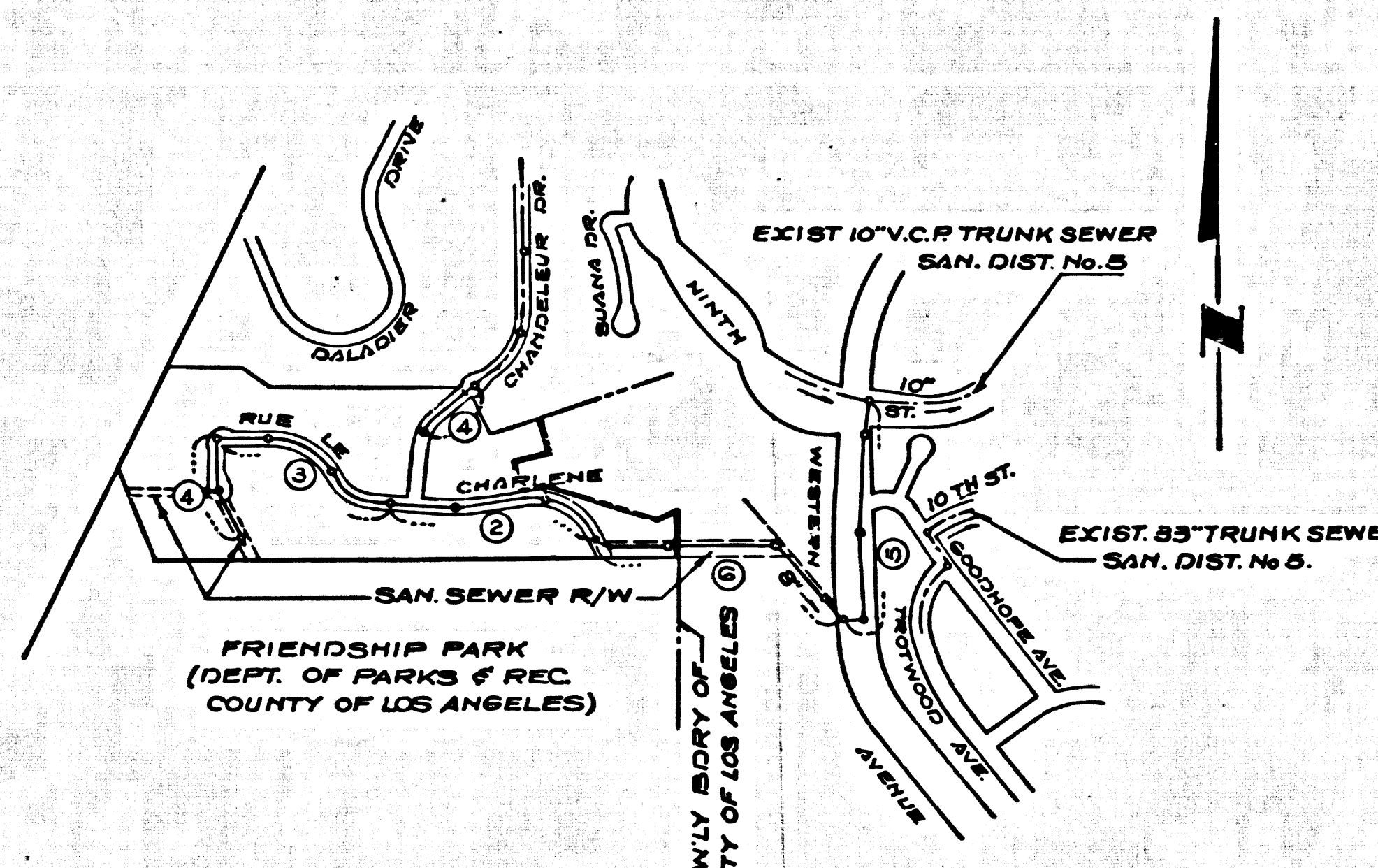


B.M. BY 7295 ELEV. 421.539
 CS MON. DN. @ E WESTERN AVE.
 @ 80 FT. N. & NINTH ST.
 PALOS VERDES QUAD. 1965



INDEX MAP
 TRACT No. 27927
 SCALE 1"=600'

THE FOLLOWING COUNTY ENGINEER STANDARD PLANS APPLY TO THIS PROJECT.

LESEED	8-1
MINIMUM EXCAVATION SAFETY REQUIREMENTS	8-2
BRICK MANHOLE	8-3
NON-REINFORCED PRECAST CONCRETE MANHOLE	8-4
REINFORCED PRECAST CONCRETE MANHOLE	8-5
MANHOLE FRAME AND COVER	8-6
MANHOLE STEPS	8-7
SECURING FOR SEWER PIPE	8-8
GRADING AND ENCASMENT	8-9
WYE OR TEE SUPPORT	8-10
ALLOMABLE TRENCH WIDTHS	8-11
SPECIAL HOUSE LATERALS	8-12
HOUSE BLOCK	8-13
RAFFLES	8-14

REVISION: 8-16-68
 PAGE 6 - REVISED ALIGNMENT AND GRADES
 BETWEEN STAS 10+30 @ 18+00.65.
 DELETED 44'S AT STAS 13+28
 @ 15+45.08. REVISED R/W.
 APPROVED: [Signature] J. D. Lambie
 CHIEF ENGINEER

- City Sanitation Districts shall be notified prior to the following so that required inspection can be made (Phone No. 630997)
- (X) Commencement of construction of manhole on District's trunk sewer.
 - (8) Breaking into existing manhole on District's trunk sewer.
 - (X) Core drilling District trunk sewer.
 - (X) Construction of house connections to District's trunk sewer.
 - (8) Acceptance of the project.

NO CONNECTIONS FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS WITHOUT WRITTEN PERMISSION FROM THE CHIEF ENGINEER AND GENERAL MANAGER OF THE COUNTY SANITATION DISTRICTS.

L.A. CITY L.D.
 APPROVED July 31, 1968
 D.W. Madsen, P.E.
 DIRECTOR, BUREAU OF ST. LIT.

DOUBLE SCALE
 LOMITA BLDG. DIST. NO. 12

- NOTE:
- PROV. A STAKE 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 AND TRENCHES 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 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 9-07, EXT. 8151, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 - ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 8-3 OR PRECAST CONCRETE MANHOLES PER 8-4 OR 8-5 EXCEPT AS NOTED.
 - "4" OR "6" MANHOLES MAY BE USED FOR CONNECTIONS TO MAIN LINES EXCEPT AS NOTED.
 - MANHOLE TOPS IN UNIMPROVED WOOD-OR-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 - USE EXTRA STRENGTH PIPE, ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
 - VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "G", "H" OR "I" PER STD. SPEC. SEC. 804-3
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER 8-25, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 - IF BEHIND THE CURB OR CONSTRUCTION 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 8-25, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE SIX 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, EXCEPT WITHIN CITY OF LOS ANGELES (SEE PAGE 7)
 - SEWER TO BE TESTED FOR LEAKAGE PER SECTION 804-1.2.1 OF STANDARD SPECIFICATIONS.
 - REFER TO SECTION 770-4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
 - STATION IN CIRCLE WITHIN LOT INDICATES HOUSE LATERAL SHALL NOT BE CONSTRUCTED UPSTREAM OF THAT STATION.
 - (A) BACKFILL, TRENCH AND REPLACE OTHER EARTH REMOVED SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADE PLAN APPROVED FOR THIS TRACT BY THE BUILDING AND SAFETY DIVISION.
 - (B) ALL BACKFILL AND EARTH REPLACES SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER S.T.M. STANDARD METHOD OF TEST D95-07, AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION.

COLLECT CHARGES AS INDICATED

NOTE: NO HOUSE CONNECTION PERMITS UNTIL SEWER R/W, PAGE 6 HAS BEEN RECORDED.

PROFILE, ALIGNMENT AND GRADE OF
 SANITARY SEWERS PAGE 1
 TO BE CONSTRUCTED IN

TRACT No. 27927
 M.B. 774, 32-35

PRIVATE CONTRACT NO. 7999

W.S. 29
 4 SHEETS, 7 PAGES (PAGE 7-CITY NOTES ONLY)

SCALE: HORIZ. 1"=80'
 VERT. 1"=8'

MAY, 1968

PREPARED IN THE OFFICES OF

40759

FOR LEGEND SEE PLAN NO. S-1

GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILE. GRADE 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 DRAWN BETWEEN SAID DESIGNATED POINTS. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.

THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS. BEFORE WORK CAN BE STARTED, THE CONTRACTOR SHALL EXAMINE THE DRAWING AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA HEREON.

COUNTY OF LOS ANGELES, CALIFORNIA
 JOHN A. LAMBIE, COUNTY ENGINEER
 J. D. PARKHURST, CHIEF ENGINEER

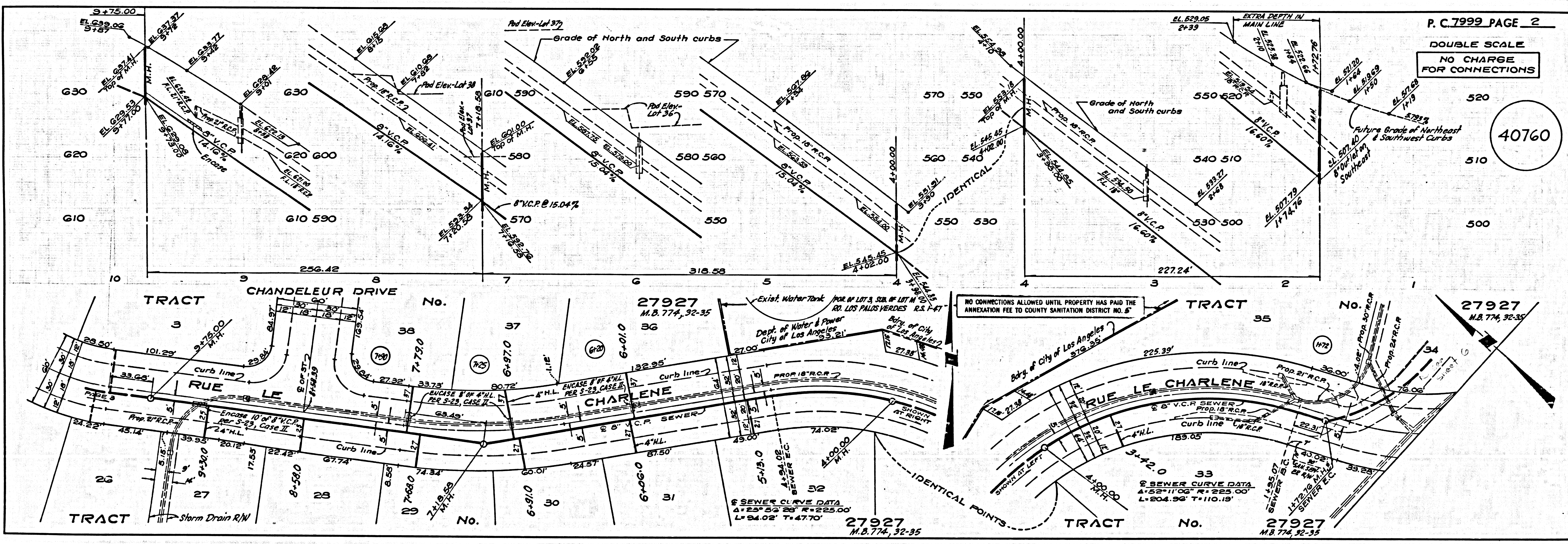
APPROVED BY [Signature] J. D. Lambie
 CHIEF ENGINEER

APPROVED BY [Signature] J. D. Parkhurst
 CHIEF ENGINEER

CHECKED BY [Signature] J.N. 0250.02

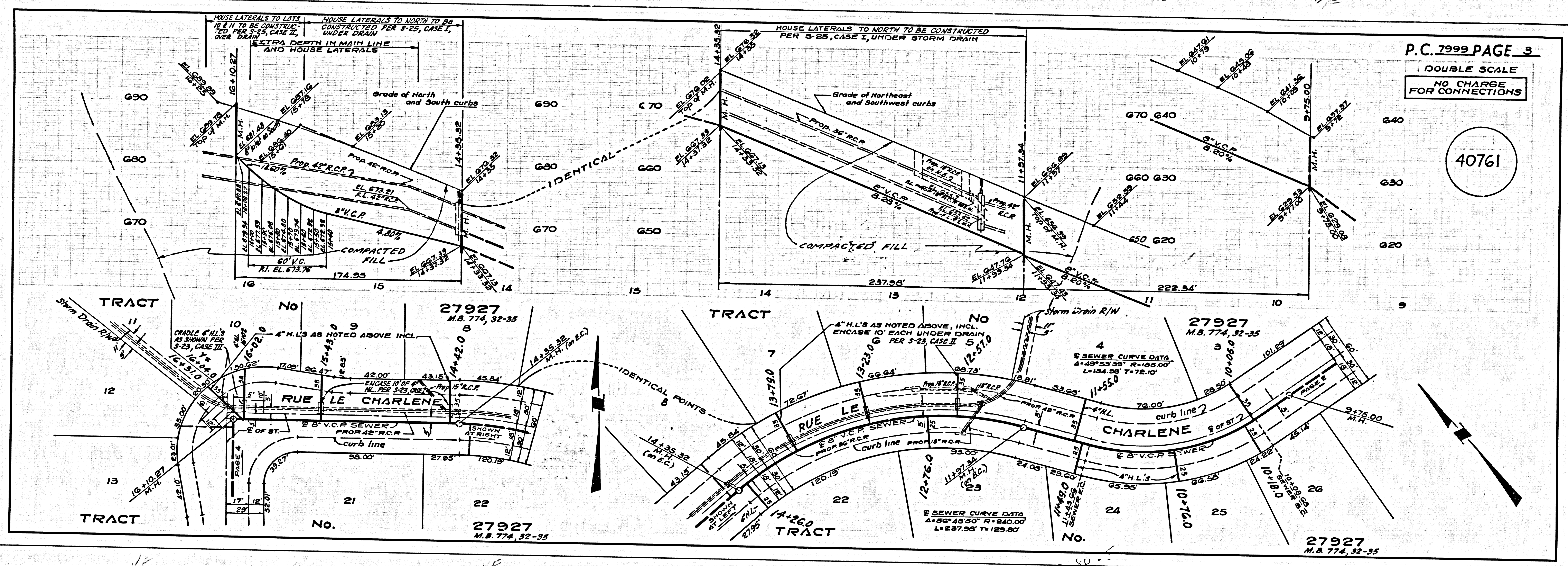
SUBMITTED AS TO THE CITY OF LOS ANGELES
 [Signature] J. D. Lambie
 CHIEF ENGINEER
 DATE: 7/1/68

SUBMITTED AS TO THE CITY OF LOS ANGELES
 [Signature] J. D. Parkhurst
 CHIEF ENGINEER
 DATE: AUGUST 3, 1968



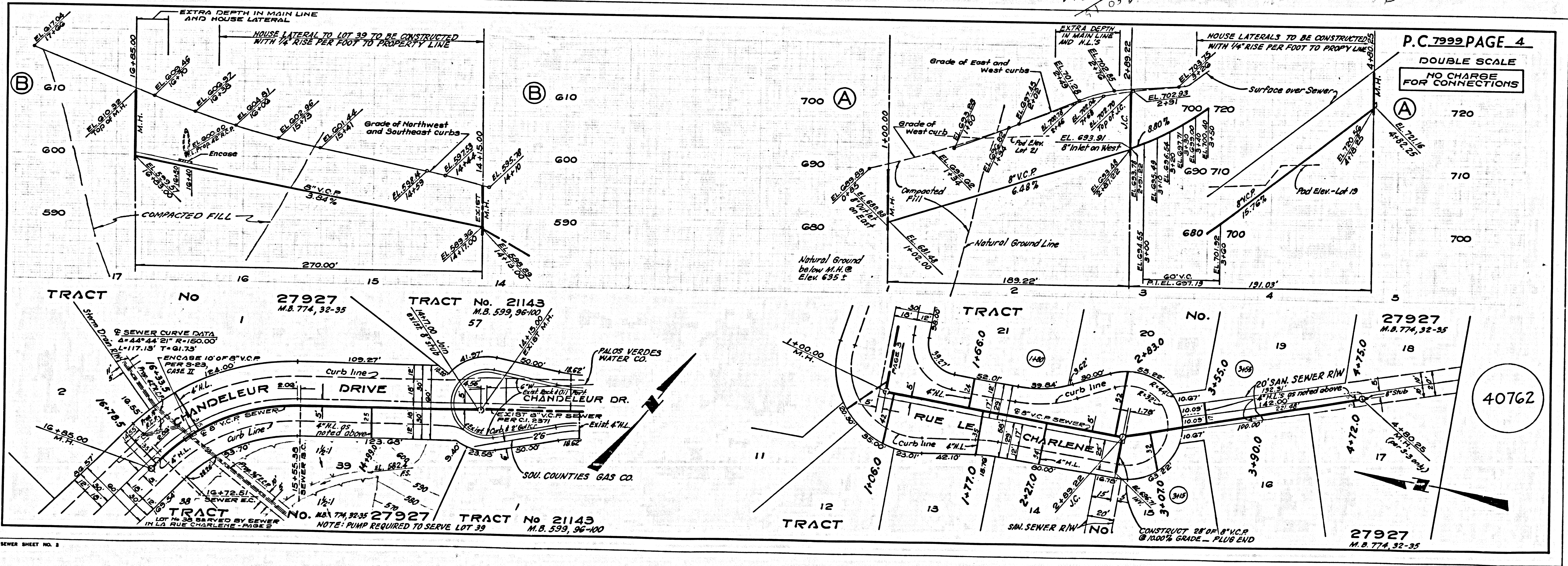
DOUBLE SCALE
 NO CHARGE FOR CONNECTIONS

40760



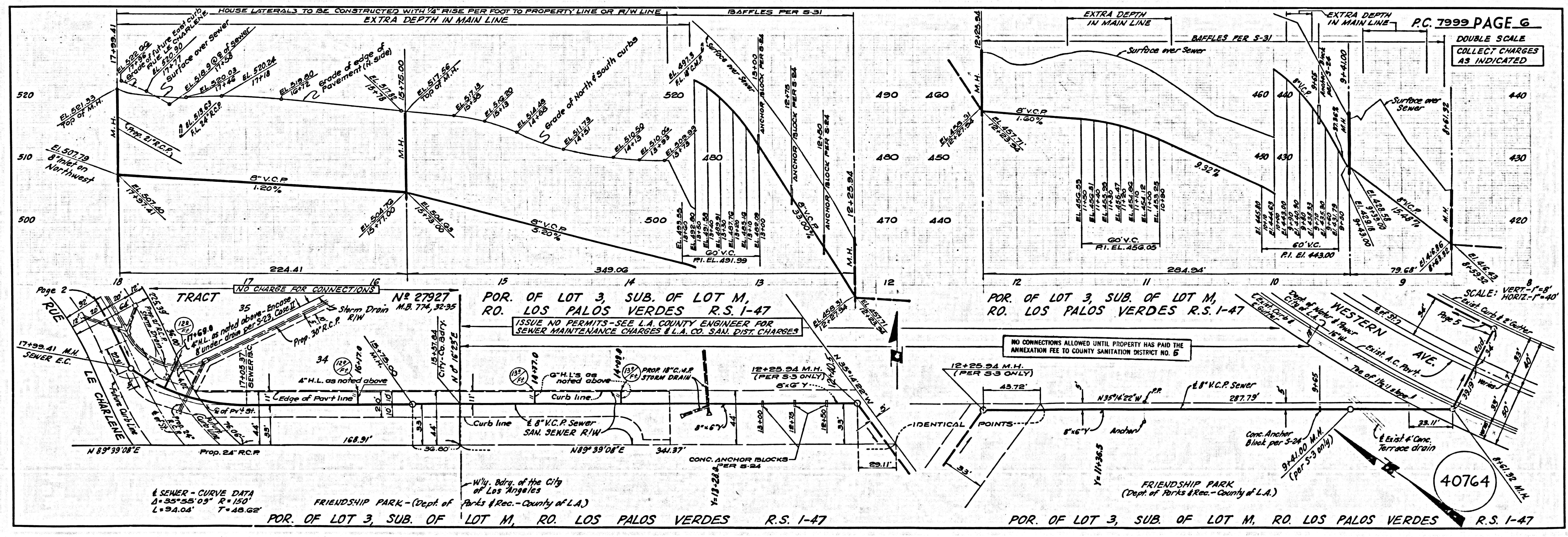
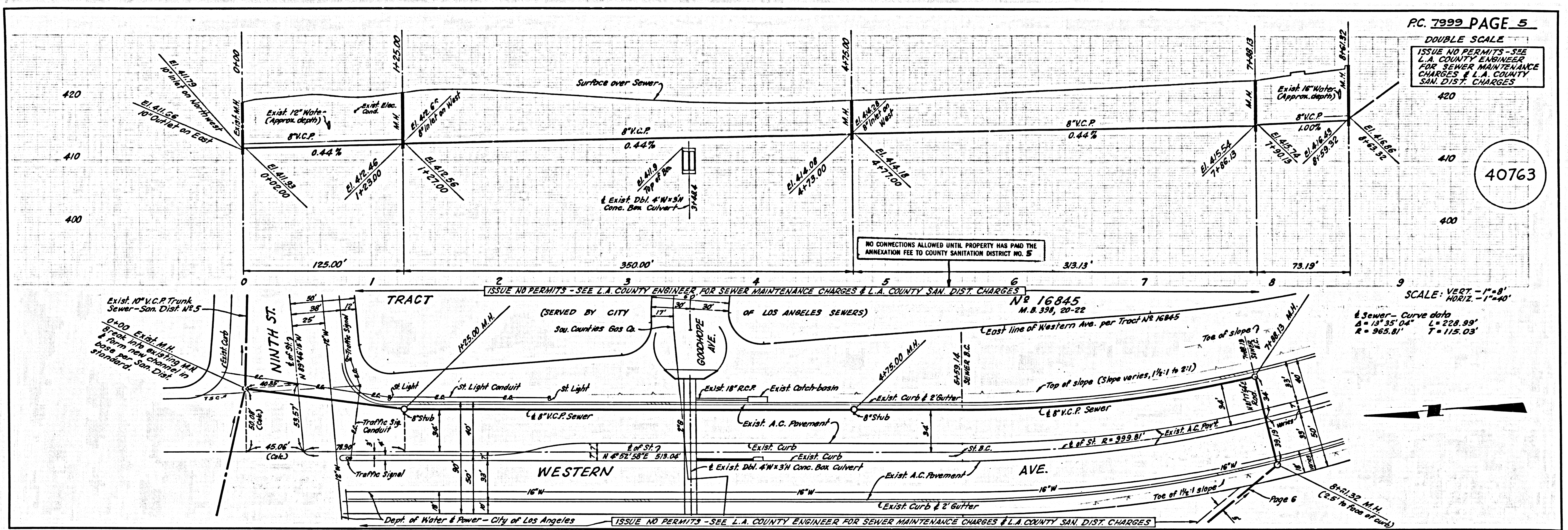
P.C. 7999 PAGE 3
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

40761



P.C. 7999 PAGE 4
DOUBLE SCALE
NO CHARGE FOR CONNECTIONS

40762



40765

NOTICE TO CONTRACTOR - GENERAL
(For Work Within City of Los Angeles)

1. All work performed within the public right-of-way shall be under permit and continuous inspection by the City of Los Angeles, as specified in Standard Specifications for Public Works Construction and Standard Plan B-3756, unless otherwise authorized by the City Engineer.
 2. The contractor shall notify the Harbor District Office of the Bureau of Engineering, Room 400, 638 South Beacon Street, San Pedro, California, 3 working days prior to beginning of construction. Upon completion of the back-fill, the contractor shall again notify the Harbor District Office.
 3. Your attention is called to the proximity of substructures to the proposed sewer and that in accordance with Section 5 of Standard Specifications for Public Works Construction (1967 Edition), it is your responsibility to protect all public and private property insofar as it may be endangered by your operations.
 4. The locations of existing substructures shown hereon have been taken from records and their correctness and completeness are in no way guaranteed. It shall be the Contractor's responsibility to locate all substructures, whether shown hereon or not, and protect them from damage. The removal of abandoned in place substructures shall be the responsibility of the Contractor. The lowering or relocation of interfering substructures, or portions thereof, except sewer facilities, shall be the responsibility of said Utility or Franchise holder.
 5. The Contractor shall provide all temporary sewer bypasses which are necessary in order to perform the work. The Contractor shall submit for approval of the Engineer, his proposed method of bypassing in each case not detailed on the plans.
 6. Existing traffic signal equipment shall be protected by the Contractor. Should equipment be damaged by the Contractor, immediate Notice shall be given to the Signal Construction Superintendent; 624-5211, Ext. 2261. Such damaged equipment shall be replaced by the Contractor at his expense and final inspection will be made by the Signal Construction Superintendent before circuits are energized.
 7. All work on traffic signal installations shall conform to the requirements of the Department of Traffic of the City of Los Angeles as set forth in Traffic Signals 1962, Standards, Specifications and Plans, and latest amendments thereto, which is available in Room 1200, City Hall.
- * Standard Specifications for Public Works Construction (1967 Edition) published by Building News Inc., Los Angeles, California.

8. The Signal Construction Superintendent shall be notified three working days in advance of beginning work at each traffic signal controlled intersection.
9. The relocation or reinstallation of Street Lighting or Traffic Signal System Facilities necessitated by the improvement shall be the responsibility of the Contractor and the entire cost thereof shall be considered as included in the other work for which bid items are entered.
10. Existing lighting conduits, cable, and electroliers shall be protected by the Contractor. Should they be damaged by reason of the performance of this improvement, they shall be removed and replaced by the Contractor in accordance with Standard Specifications for Public Works Construction.
11. Crushed slag may be substituted for crushed aggregate base material, provided the crushed slag meets all test requirements of crushed aggregate as specified in Section 200 of Standard Specifications for Public Works Construction and provided it is slag produced from the open hearth process of steel production.
12. (a) Peak hours are defined as: 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. except Saturday, Sunday, and holidays.
(b) Western Avenue and 9th Street; two lanes in each direction shall remain open during peak hours.
One lane in each direction shall remain open at all other times.
13. Temporary resurfacing shall meet the requirements of Section 306.12 of Standard Specifications for Public Works Construction.
14. Backfill of the trench underlying Western Avenue shall be mechanically compacted within the upper three feet underlying the base material of the street.
15. Blocks of Cherty Shale larger than six inches in diameter shall not be placed in backfill and material from Cherty Shale beds located from Station 11+30 to 11+95 shall not be used as backfill.
16. The trench shall be mechanically compacted and mounded above the existing ground surface between Stations 8+70 and 10+45.

CHECKED FOR:

- STREETS *WED*
- DRAINAGE *WED*
- SUBSTRUCTURE *WED*
- SEWER *WED*
- REVIEWER

17. Traffic lanes shall have a minimum width of ten (10) feet and clearance of two (2) feet to curbs, sidewalks, or other vertical structures and five (5) feet to any open excavation.

PAGE