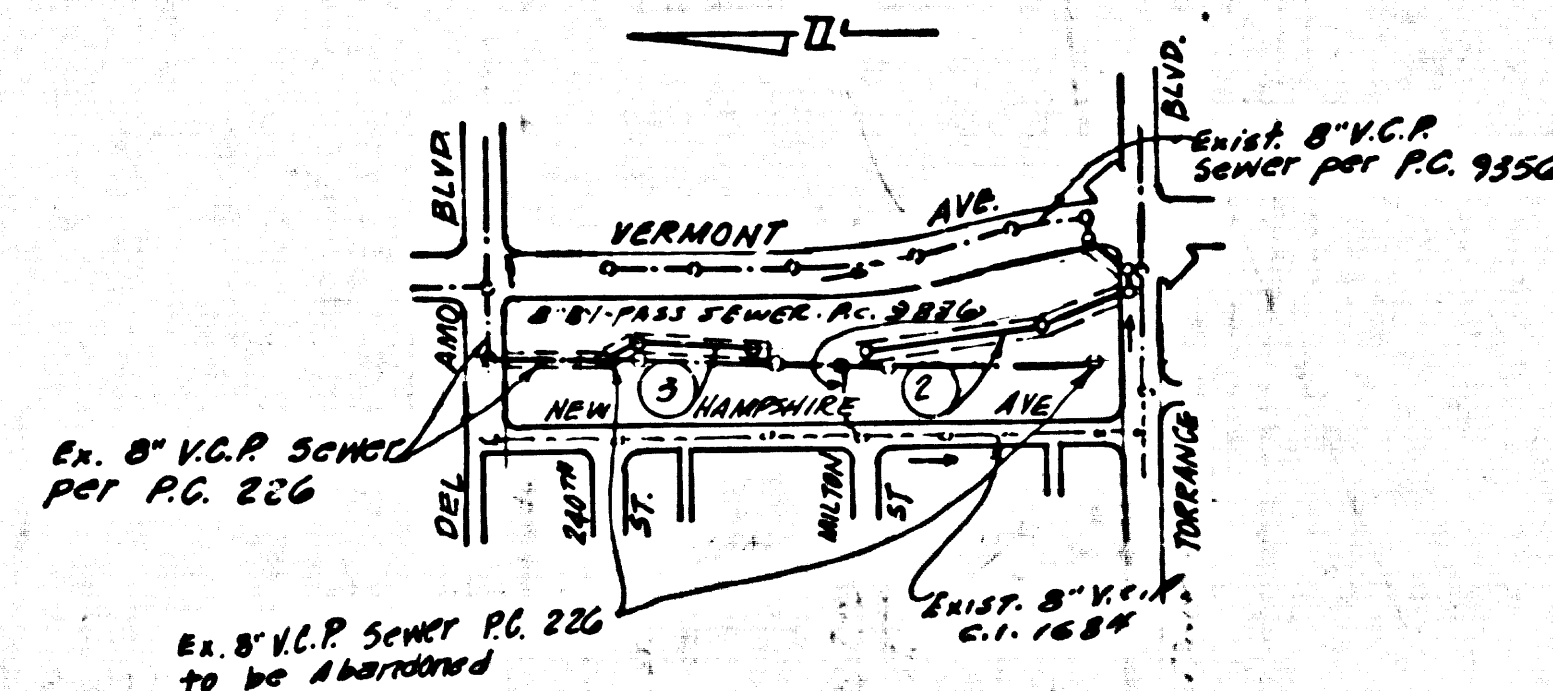


B.M. CY-7157 ELEV. 22.368
 R.D.B.M. 1st 30' curb 55' E. B.G.R. @
 S.E. cor Vermont Ave & Torrance Blvd
 30' S & 110' E approx. @ 111
 GARDENA QUAD. 1975



Index Map
 Tract No 36371
 Scale: 1" = 600'
 PG. 9824

REVISION	REVISION
REVISED ALIGNMENT AND GRADES ON PAGE 2	REVISED ALIGNMENT PAGE 2A AND B3
REVISED BY: <i>MIA Muelch</i> 2/25/84	REVISED BY: <i>MIA Muelch</i> 2/25/84
APPROVED BY: <i>Ralph D. Smith</i> 2/15/84	APPROVED BY: <i>Ralph D. Smith</i> 2/15/84

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

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 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

- GENERAL NOTES:**
- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1989.
 - NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 - NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 - GRADES TO WHICH THE IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND HOUSE GRADE POINTS FOR TOP OF CURB, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES OR SQUARES 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 COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" OR "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 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 SHEET.
 - 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, \$50.00 PER MONTH, \$4.00 PER DAY 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, THE 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 THE PROJECT. THIS NOTE APPLIES TO ALL PAGES.
 - REFER TO SECTION 708.61 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY DEVICES.
 - BEFORE THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY ENGINEER TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, A PERMIT FOR EXCAVATION IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, DIVISION OF HIGHWAYS, 1100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY ENGINEER TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, DIVISION OF HIGHWAYS, 1100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY ENGINEER TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, DIVISION OF HIGHWAYS, 1100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

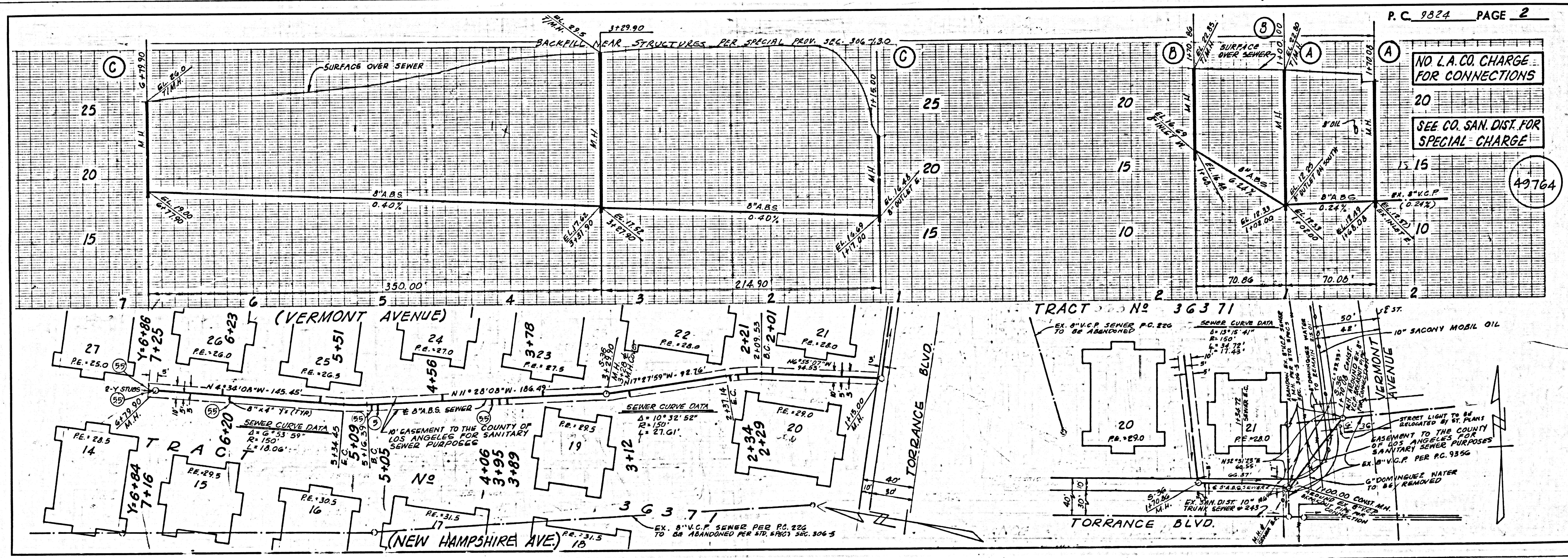
PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS PAGE 1
 TO BE CONSTRUCTED IN
 Tract No 36371
 PRIVATE CONTRACT NO. 9824
 W.S. 26
 2 SHEETS, 3 PAGES (49763)
 SCALE: VERT. 1" = 4'
 HORIZ. 1" = 40' JANUARY, 1980
 PREPARED IN THE OFFICES OF
Lanco Engineering
 17930 S. Prairie Ave., Torrance, Calif. 90584
 BY: *C.M. Reed*
 REG. C. E. No. 15197

- CONSTRUCTION NOTES:**
- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1979 EDITION WITH SUPPLEMENTS) AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 11/11/78 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
 - THE CONTRACTOR SHALL NOTIFY THE SAN. DIST. DIVISION BY TELEPHONE, 528-2250... AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT R/W LINE 8 FEET BELOW 1/2" GRADE EXCEPT AS NOTED.
 - PIPE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 - ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-36 OR PRECAST CONCRETE MANHOLES PER S-36, 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.
 - MANHOLES TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 8 INCHES ABOVE FINISHED GRADE.
 - WITHIN CURB THE JOINTS SHALL BE THE "Y", "T", OR "C" PER STANDARD SPECIFICATIONS SECTION 306-2.
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-23, CASE II, 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-23, CASE II UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 - ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D".
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306-4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 - REVERSE TO 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 306-1.6 OF THE SPECIAL PROVISIONS 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 SPECIALS OF PRESENTMENT CONSTRUCTION SHALL BE OBTAINED FROM THE COUNTY ENGINEER AND SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY ENGINEER TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, DIVISION OF HIGHWAYS, 1100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY ENGINEER TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, DIVISION OF HIGHWAYS, 1100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.

LEGEND	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK MANHOLES	S-3
STANDARD MANHOLE STEP	S-4
BEDDING FOR SEWER PIPE	S-5
CRADLING AND ENCASEMENT	S-6
PIPE ON THE SUPPORT	S-7
ALLOWABLE TRENCH WIDTHS	S-8
LOCKING MANHOLE FRAME AND COVER	S-9
NON-REINFORCED PRECAST CONCRETE MANHOLES	S-10
TABLES FOR HOUSE LATERALS	S-11

COUNTY OF LOS ANGELES, CALIFORNIA
 STEPHEN J. KOONCE, COUNTY ENGINEER
 APPROVED: *MIA Muelch* 5/2/80
 CHECKED: *Ralph D. Smith* 4/21/80
 REG. C.E. NO. 16873
 LOMITA BLDG. DIST. 12



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 4589 BC
 15332 ON TONAT

No Charge for Connections

19765

