

TO BE CONSTRUCTED IN
TRACT NO. 36397 (51220)

PRIVATE CONTRACT NO. 9804

W.S. 90
3 SHEETS, 5 PAGES

SCALE: VERT. 1"=4'
HORIZ. 1"=40'
DECEMBER, 1979
PREPARED IN THE OFFICES OF
C & K ENGINEERING COMPANY
2340 COTNER AVENUE, LOS ANGELES CA. 90064
BY: *Carl K. K...*
REG. C.E. No. 23777

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

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| 150000 | 5.1 |
| MINIMUM PUBLIC SAFETY REQUIREMENTS | 5.2 |
| STANDARD MANHOLE STEP | 5.3 |
| BEDDING FOR SEWER PIPE | 5.4 |
| CLADDING AND ENCASING | 5.5 |
| WYE OR TE SUPPORT | 5.6 |
| ALLOWABLE TRENCH WIDTHS | 5.7 |
| LOCKING MANHOLE FRAMES AND COVERS | 5.8 |
| NON-REINFORCED PRECAST CONCRETE MANHOLES | 5.9 |

COUNTY OF LOS ANGELES, CALIFORNIA
STEPHEN J. KOONCE, COUNTY ENGINEER LAS VIRGENES MUNICIPAL WATER DISTRICT
APPROVED *Concepcion 7/1/80* APPROVED *Jim Stakes 8/1/80*
DATE DATE
CHECKED *Dean Ephraim 7/1/80*
DATE
REG. C.E. NO. 25559
CALADASSAS BLDG. DIST. 9.1

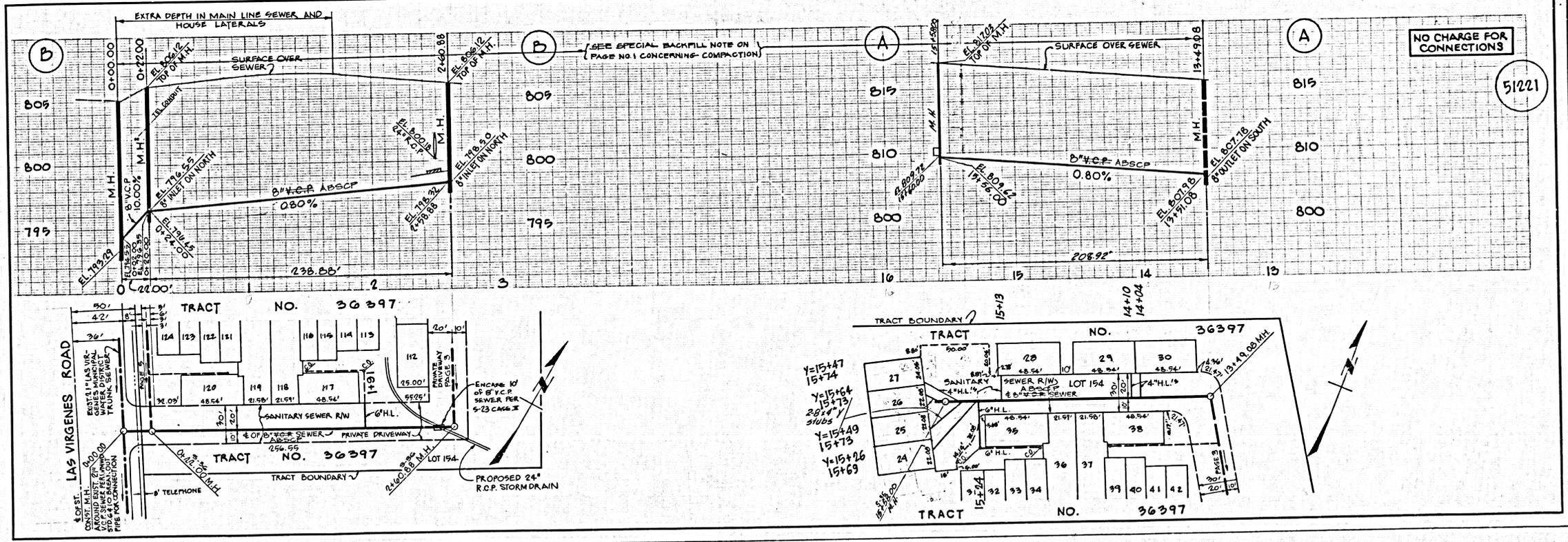
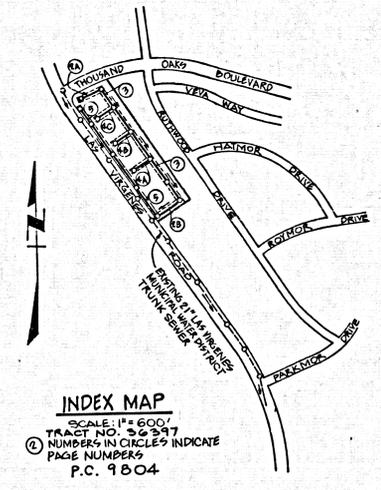
- GENERAL NOTES:**
1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
 2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 3. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. 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 INDICATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID INDICATED POINTS.
 5. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRAB 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 CURBSHOTS 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.
 6. 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.
 7. 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, 230 30, VERMONT AVE., LOS ANGELES, CALIF. TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
 8. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 138 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
 9. 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. THIS NOTE APPLIES TO ALL PAGES.
 10. REFER TO SECTION PARALLEL OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
 11. PRIOR TO THE ISSUANCE OF THE STANDARD SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA FROM THE DIVISION OF INDUSTRIAL SAFETY AND A COMPLIANCE WITH THE CALIFORNIA COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER, 580 SOUTH BOYD STREET, LOS ANGELES, CALIFORNIA 90050. THE CONTRACTOR SHALL BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

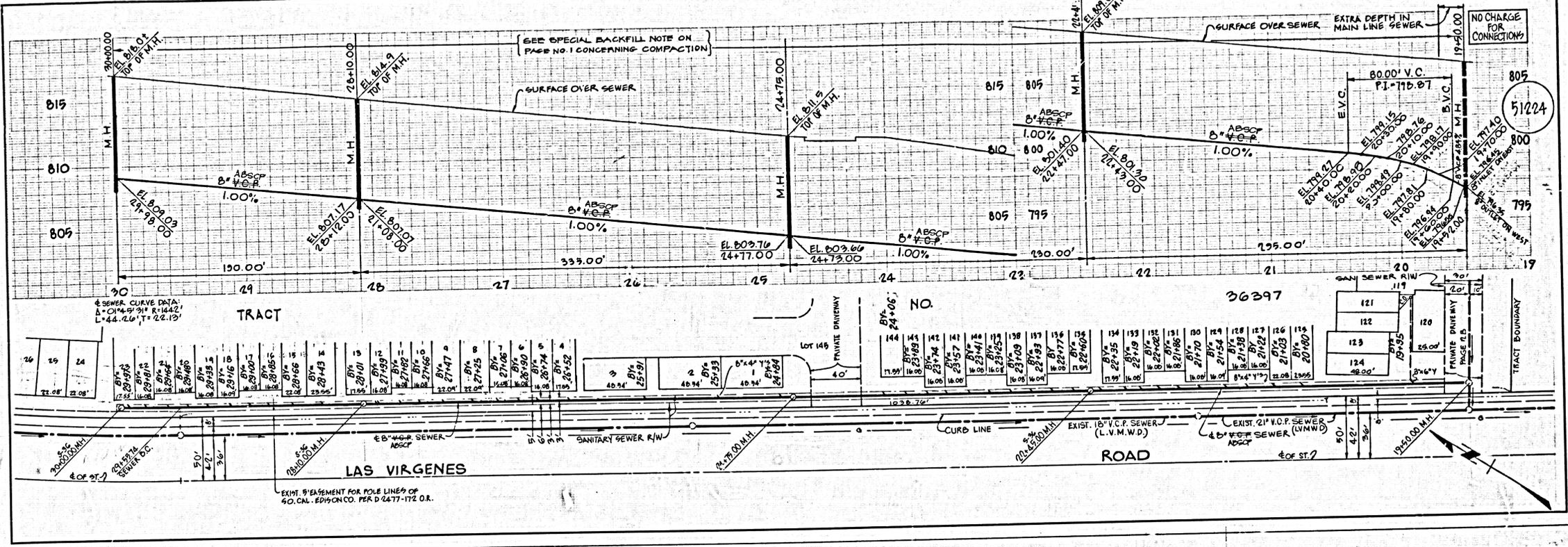
- CONSTRUCTION NOTES:**
1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1978 EDITION) WITH THE SUPPLEMENTS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1976, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
 2. THE CONTRACTOR SHALL NOTIFY THE CIVIL DIVISION BY TELEPHONE (213) 738-2150 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 4 FEET BELOW CURB GRADE EXCEPT AS NOTED.
 4. WYE OR TE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 5. ALL STRUCTURES SHALL BE BUILT TO SPECIFICATIONS PER S-1 OF PRECAST CONCRETE MANHOLES PER S-26, EXCEPT AS NOTED.
 6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 8. VITRIFIED CLAY PIPE JOINTS SHALL BE PER 707, 707, OR 707 PER STANDARD SPECIFICATIONS SECTION 200-2.
 9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-23, CASE 2, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
 10. 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 "Y" OR "T" SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23, CASE 2 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 11. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER JOINT TYPE "C" OR "B", WITH BARRING AS NECESSARY PER STANDARD SPECIFICATIONS, SECTION 200-2.
 12. SEWERS TO BE BUILT FOR LEAKAGE PER SECTION 200-1.6 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 13. BELT SPACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 14. FULL COMPLIANCE WITH SECTION 200-2.6 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.

B.M. DY 9047 ELEV. 794.408
R.D. D.M. TAG IN C.3. 3 FEET N. OCR. 62
F.T. N. & 4.2 FT. E. & INT. LAS VIRGENES
CANYON RD. & QUINTANA ST.
MALIBU QUAD. 7972

15. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION
- a. BACKFILL TRENCH 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.
 - b. ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STANDARD METHOD OF TEST D 698-57T AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION.

Revision No. 1 Date 1-5-81
Page 2. Relocated M.H. to sta. 15+58.00 added 18" of 8" V.C.P. line 2A
Page 3. Erased sewer line of sta. 9+20
Page 5. Deleted 6" H.L. & Cleanout W/4 of sta. 30+00.
Added 8" x 4" y @ sta. 22+40
APPROVED *Ralph Davis* 1/5/81
Office of County Engineer





SEWER CURVE DATA:
 $\Delta = 0^\circ 49' 31''$ $R = 1442'$
 $L = 44.20'$ $T = 26.15'$

TRACT

LAS VIRGENES

ROAD