

S.M.C.Y. 9047. ELEV. 792.692
 R.D.B.M. T&E IN CO. 3 FT. N. 8CR 45 FT.
 N. 8 45 FT. E. C&L INT. LAS VIRGENES
 CYN. RD. R. QUINTANA ST.
MALIBU QUAD. 19 80

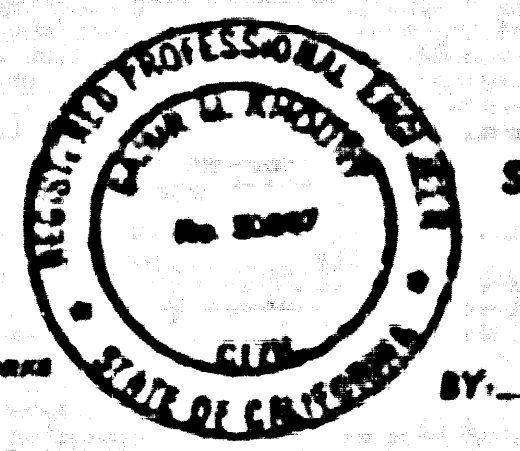
DOUBLE SCALE

IN ADDITION THE FOLLOWING L.V.M.W.D. STANDARDS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT.
 L.V.M.W.D. STD. DWR. 5

- 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 DIRECTOR OF PUBLIC WORKS.
 - NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 - GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND INCLUDE GRADE POINTS FOR TOP OF CURBS, POINTS ON THE CENTER LINE OF ALL LINES SHOWN BY CIRCLES OR POINTS AT ALL POINTS BETWEEN APPROVED POINTS THE GRADE SHALL BE ESTABLISHED AS AN INTERPOLATED STRAIGHT LINE DRAWN ON THE LAND DESIGNATED POINTS.
 - THE PROPERTY OWNER SHALL FURNISH THE BEST AVAILABLE RECORDS WITH GRADING AND ELEVATIONS FOR ALL EXISTING AND TO BE "BRACKET" AND SHALL "REMOVE" GRADES FROM THE "L" RECORD LOCATIONS WITH "ST" MARKS IN ALL PLACES ALL NOT BE LATERALS SHALL BE CONSTRUCTED AS A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINES EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CURBS SHALL NOT HAVE A SLOPE OF LESS THAN 1% FROM THE MAIN LINE TOWARD ANY CHIMNEY OR ALTERNATE TO BE RECORDED IN WRITING BY THE PRIVATE OWNER.
 - THE PRIVATE OWNER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
 - IF THE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY ENGINEER DIVISION OF THE COUNTY OF LOS ANGELES, CALIFORNIA, 900 SOUTH MAIN STREET, LOS ANGELES, CALIFORNIA 90012. THE PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, 120 SOUTH 2ND STREET, LOS ANGELES, CALIFORNIA.
 - A RECORD 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 UNRECORDED UTILITY PIPES OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PHASES.
 - REFER TO SECTION 71541 OF THE STANDARD SPECIFICATIONS REGARDING SAFE TRAFFIC.
 - PRIOR TO THE BEGINNING OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY DIVISION OF PUBLIC WORKS. THE PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND CERTIFICATE OF WORKERS' COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, BOX 6, FRESNO AND ALHAMBRA, CALIF. 93803 S.B. PLUMB. NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

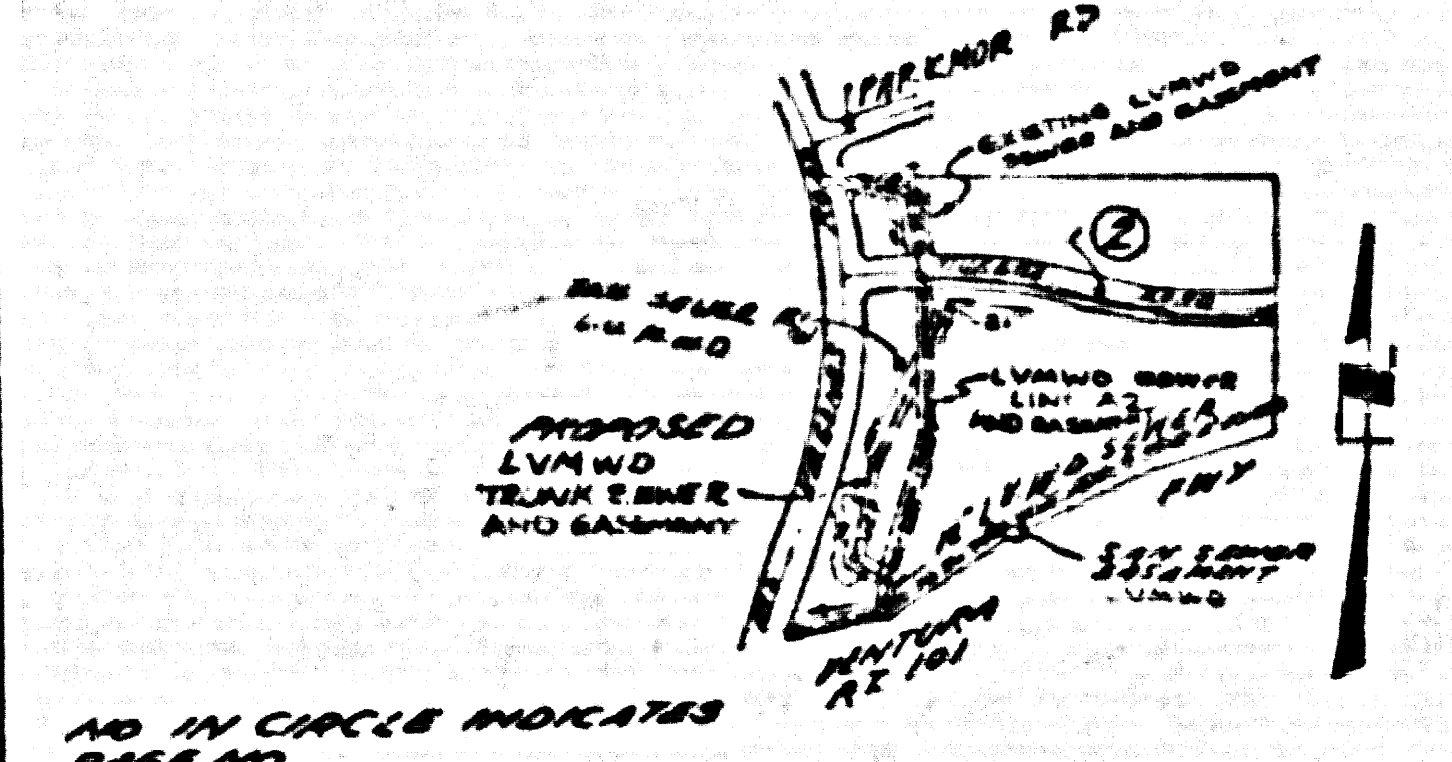
PLAN, ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED IN

TRACT NO. 36017
PRIVATE CONTRACT NO. 10692



INDEX C 221 & C 231
 1 SHEET, 2 PAGES
 SCALE: 1" = 10' MARCH, 1987
 PREPARED IN THE OFFICES OF
COORY ENGINEERING
 12631 IMPERIAL HWY BLDG. SUITE NO. 124
 SANTA FE SPRINGS, CA. 90670
 BY: *James W. Kopp*
 REG. C.E. No. 30567 EXP. DATE 3/31/1992

53404



NO IN CIRCLES INDICATES
 BASE NO.
 INDEX MAP
 SCALE 1" = 100'
 P.C. 10692 TRACT NO. 36017

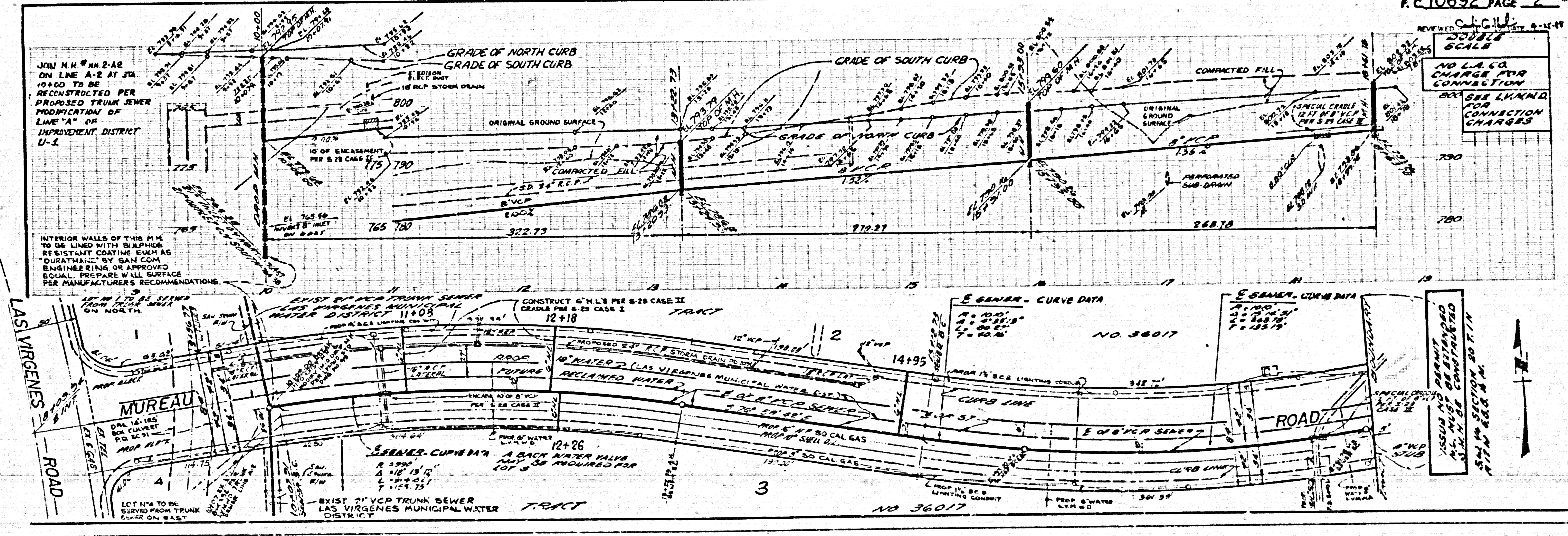
**LOTS 1 & 4 ARE SERVED BY
 L.V.M.W.D. TRUNK SEWER LINE "A"
 OF IMPROVEMENT DISTRICT U-1**

- CONSTRUCTION NOTES:**
- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1989 EDITION (THIRTEENTH EDITION) AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED MARCH 21, 1978 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE S.A.P. OF PUBLIC WORKS.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 800-480-5182 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THE CONTRACT.
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB 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 8-2 OR PRECAST CONCRETE MANHOLES PER 8-3L 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 UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 - BITUMEN CLAY PIPE JOINTS SHALL BE TYPE "B" OR "C" PER STANDARD SPECIFICATIONS SECTION 802-2.
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 8-2 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 SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 8-2 CASE II UNLESS OTHERWISE APPROVED BY THE S.A.P. OF PUBLIC WORKS.
 - ALL JOINTS BETWEEN CAST IRON PIPE AND BITUMEN CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", WITH BUSHING IF NECESSARY, PER STANDARD SPECIFICATIONS, SECTION 802-2.
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 251-4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS HEREIN IN ACCORDANCE WITH PERMITS.
 - RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 - ALL COMPLIANCE WITH SECTION 250-1.2.4 OF THE 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 CONTRACTOR PRIOR TO THE BEGINNING OF A CONTRACTOR'S ACCEPTANCE.
 - SPECIAL BACKFILL IN BASEMENT CONSTRUCTION (A) BACKFILL, TRINCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND B) OPEN SHOW OR THE GRADING PLAN APPROVED FOR THE DEVELOPMENT BY THE LAND DEVELOPER. DIVISION (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST (D1557) AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE S.A.P. OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT

SEWER	8-1
SEWER PUBLIC SAFETY EQUIPMENT	8-2
SEWER MANHOLE	8-3
SEWER MANHOLE AND	8-3L
SEWER FOR SEWER	8-3
SEWER AND BRANCH	8-3
PIPE OR TEE BRANCH	8-3
ADJUSTING TRENCH	8-3
SEWER MANHOLE	8-3
NON-REPLACED PRECAST CONCRETE MANHOLE	8-3

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS
 APPROVED: *Thomas A. Tidemanson* 4-27-87
 DATE
 CHECKED: *James W. Kopp* 4-25-87
 DATE
 H.W. STOKES, CHIEF ENGINEER
 LAS VIRGENES MUNICIPAL WATER DISTRICT
 APPROVED: *H.W. Stokes* 4-1-87
 DATE
 REG. C.E. No. 18116
 CALABASAS BLDG. DIST. 9-1



JOHN M.H. 2-AR
 ON LINE A-E AT STA.
 10+00 TO BE
 RECONSTRUCTED PER
 PROPOSED TRUNK SEWER
 MODIFICATION OF
 LINE "A" OF
 IMPROVEMENT DISTRICT
 U-1.

INTERIOR WALLS OF THIS M.H.
 TO BE LINED WITH GULPHUR
 RESISTANT COATING SUCH AS
 DURATHANE BY SAN COM
 ENGINEERING OR APPROVED
 EQUAL. PREPARE WALL SURFACE
 PER MANUFACTURER'S RECOMMENDATIONS.

LOT NO. 1 TO BE SERVED
 FROM EXISTING TRUNK
 SEWER ON NORTH.

EXISTING VCP TRUNK SEWER
 LAS VIRGENES MUNICIPAL WATER
 DISTRICT 11+08

EXISTING VCP TRUNK SEWER
 LAS VIRGENES MUNICIPAL WATER
 DISTRICT

SEWER - CURVE DATA
 R = 200'
 Δ = 113.10°
 L = 66.57'
 T = 133.19'

SEWER - CURVE DATA
 R = 100'
 Δ = 113.10°
 L = 33.285'
 T = 66.595'

P.C. 10692 PAGE 2
 REVISION: *John M.H.* 4-27-87
 SCALE
 NO L.A. CO.
 CHARGE FOR
 CONNECTION
 SEE L.V.M.W.D.
 FOR
 CONNECTION
 CHARGES

ISSUED PERMIT
 MUST BE OBTAINED
 FROM THE COUNTY
 ENGINEER DIVISION
 SECTION 20 T-11
 9-17-86 B.S.M.

53404
 BC 10692
 T1092 ON RT