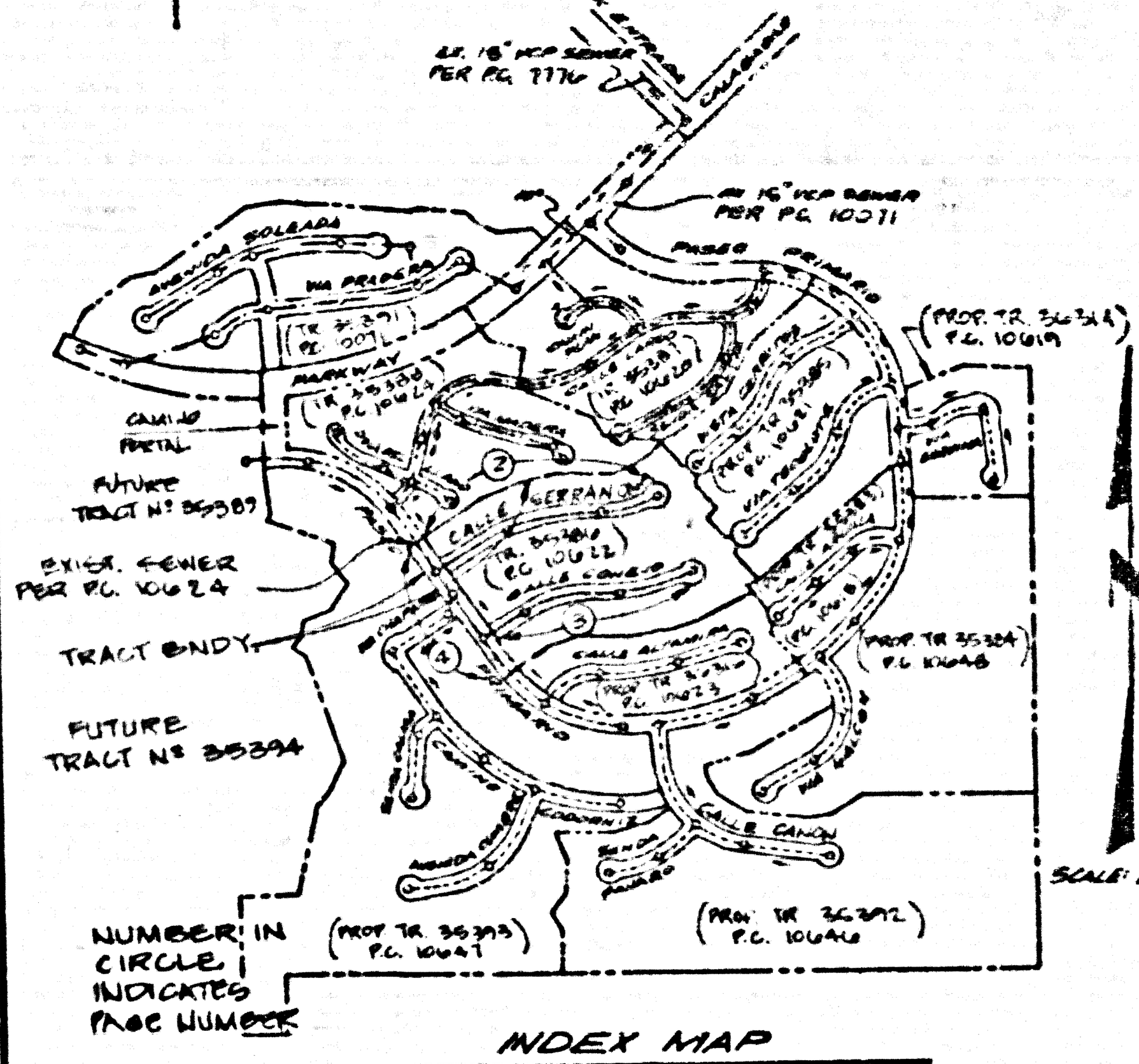
B.M. C.T. 4040 ELEV. 1005.031

R.D.B.M. TAG IN CB 3' S. BCR
55' S. & 44' W. C/L INT
CALABASAS RD. & PWKY CALABASAS

MALIBU QUAD. 1980



INDEX MAP

TRACT NO. 35386
P.C. 10622

LOT 51 NOT TO BE SERVED, OPEN SPACE RESTRICTED TO NO CONSTRUCTION

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of the available records. To the best of our knowledge there are no existing utilities except as shown on these plans. The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans. The contractor shall be responsible for notifying "UNDERGROUND SERVICE ALERT" at 1-800-422-4133 two working days prior to any excavation or construction.

S Robert Kallenbaugh 11-21-86
Registered Engineer R.C.E. No. 27987

CONSTRUCTION NOTES CONT'D.

16. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE.
17. MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
18. A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
19. A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 8-7.1. OF PART IV OF THE SPECIAL PROVISIONS.
20. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 300 FEET WHEN USING 8" A.B.S. COMPOSITE PIPE.
21. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.B.S. COMPOSITE PIPE IS USED.
22. SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR BELLING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A.B.S. COMPOSITE PIPE.
23. ALL WYES AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART & WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
24. A.B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
25. ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
26. TESTING PER LAS VIRGENES MUNICIPAL WATER DISTRICT
    A. INFILTRATION & LEAKAGE TESTS. METHOD USED FOR TESTING WILL BE THE SAME AS L.A. COUNTY EXCEPT THE FLOW TO BE USED IS AS FOLLOWS....

       0.033 GALLONS/MINUTES/INCH OF DIAMETER/1,000 FEET
       OR
       350 GALLONS/DAY/INCH OD DIAMETER/ MILE

    B. 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 & 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.
    C. AIR TESTING. WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INVER OF THE UPPER STRUCTURE & THE INVERT OF THE LOWER STRUCTURE IS MORE THAN SIX (6) FEET, AN AIR TEST WILL BE MADE.

       THE TIME TAKEN TO LOSE ONE (1) POUND PER SQUARE INCH GAUGE PRESSURE FROM THREE (3) POUNDS PER SQUARE INCH GAUGE PRESSURE TO TWO (2) POUNDS PER SQUARE INCH GAUGE PRESSURE SHALL NOT BE LESS THAN TIMES SHOWN ON THE FOLLOWING TABLE....

MAIN PIPE DIAMETER	MINIMUM TIME LOSS
6" - 14"	1 MINUTE
15" - 20"	2 MINUTES
21" - 30"	3 MINUTES
33" - 36"	4 MINUTES

IF THE TIME IS LESS THAN LISTED IN THE TABLE ABOVE, THE CONTRACTOR SHALL MAKE SUCH REPAIRS AS ARE NECESSARY TO ELIMINATE THE EXCESSIVE LEAKAGE.

ISSUE NO HOUSE LATERAL PERMITS UNTIL OUTLET SEWERS PER P.C.'s 10071, 10624 & 10620 ARE ACCEPTED BY L.A. COUNTY FOR PUBLIC USE.

GENERAL NOTES:

DOUBLE SCALE

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 DIRECTOR OF PUBLIC WORKS
3. NO REPRESENTATIVE OF THE DEPT OF PUBLIC WORKS 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 DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS
5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND WYE OR TEE 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
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 CONSTRUCTION DIVISION OF THE L.A. DEPT. OF PUBLIC WORKS PERMIT OFFICE, 2ND FL. AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 550 ALCAZAR STREET, LOS ANGELES, CA 90033 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, 120 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 7-10.4.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS
11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPT. OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPT. OF PUBLIC WORKS A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS 2250 ALCAZAR STREET LOS ANGELES CA 90033 ROOM A-204, NAMED AS THE CERTIFICATE HOLDER TO 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 (1985 EDITION W/ 1986 SUPPLEMENTS) AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1976 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIV.-PUBLIC WORKS DEPT. TEL. (213) 226-8281 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED
4. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED
4a. WYE BRANCHES ONLY SHALL BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A.B.S.C.P. IS USED.
5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-2 OR PRECAST CONCRETE MANHOLES PER S-36 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 TYPE "D" OR "G" PER STANDARD SPECIFICATIONS SECTION 300-2
9. 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
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 SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23, CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS
11. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 208-2
11a. ALL JOINTS BETWEEN CAST IRON PIPE & A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
13. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS
14. FULL COMPLIANCE WITH SECTION 306-1.3.4 OF THE STD 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 PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE
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 LAND DEVELOPMENT 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 DIV.-PUBLIC WORKS DEPARTMENT.

PROFILE, ALIGNMENT AND GRADE OF PAGE 1

SANITARY SEWERS

TO BE CONSTRUCTED IN

TRACT NO. 35386

PRIVATE CONTRACT NO. 10622

INDEX: C232, F-5

52666

2 SHEETS, 4 PAGES

SCALE: VERT. 1"=8' HORIZ. 1"=40' OCTOBER, 1986

PREPARED IN THE OFFICES OF
Robert Bein, William Frost & Associates
PROFESSIONAL ENGINEERS, PLANNERS & SURVEYORS

REGISTERED PROFESSIONAL ENGINEER S. ROBERT KALLENBAUGH NO. 27987 EXP. 3-31-90 CIVIL STATE OF CALIFORNIA

S Robert Kallenbaugh 11-21-86
S. ROBERT KALLENBAUGH R.C.E. 27987

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE DEPT. OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-3
BRICK SEWER MANHOLE	S-8
STANDARD MANHOLE STEP	S-17
BEDDING FOR SEWER PIPE	S-21
CRADLING AND ENCASEMENT	S-23
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SPECIAL HOUSE LATERAL	S-25

COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDEMANSON, DIRECTOR.
DEPARTMENT OF PUBLIC WORKS

LAS VIRGENES MUNICIPAL WATER DISTRICT

APPROVED Dean Efstathiou 10/20/87 DATE

APPROVED H.W. Stokes
H.W. STOKES, CHIEF ENGINEER

CHECKED [signature] 10/19/87 DATE

REG. C.E. NO. 16841

CALABASAS BLDG. DIST. 91

TRACT NO. 35386 PC 10622

REVIEWED BY [signature] 10-14-87 DATE

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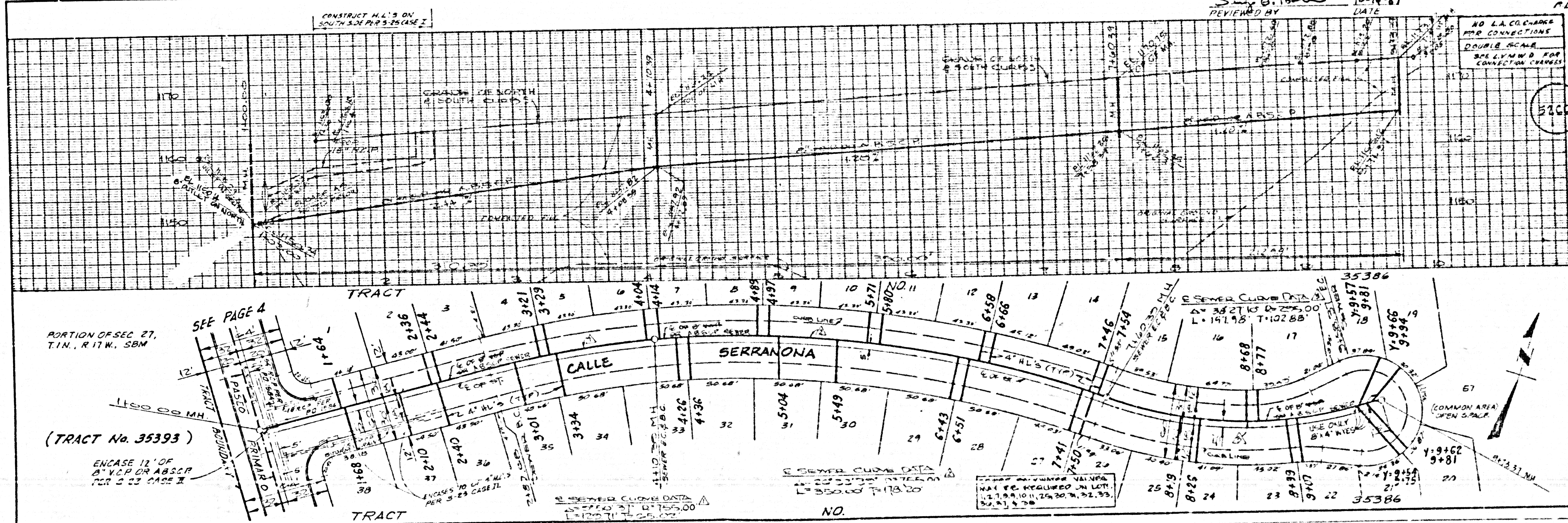
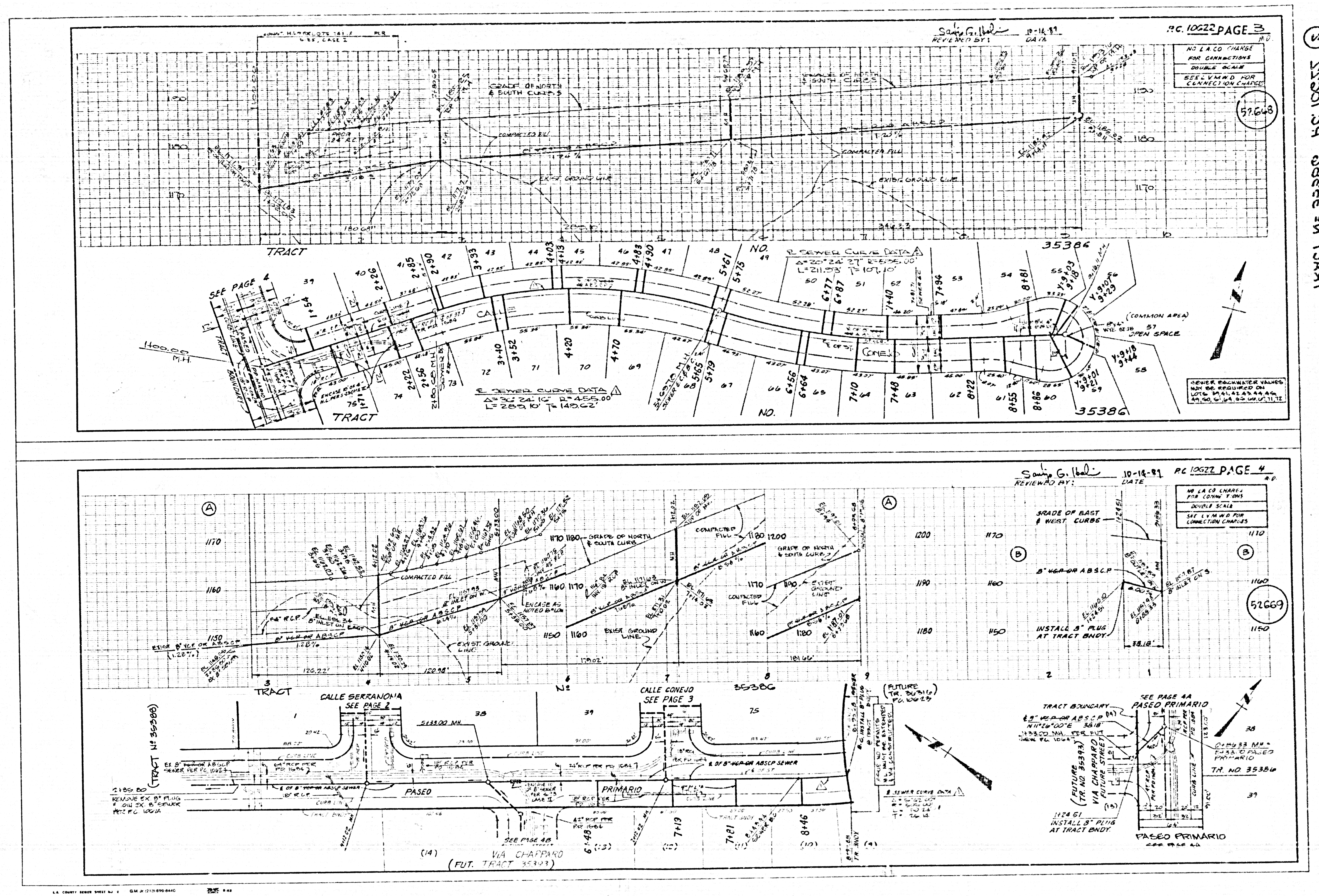


L.A. COUNTY SEWER SHEET NO. 2



P.C. 10222 PAGE 3
REVIEWED BY: Sanjay G. Ibali DATE 10-14-87
NO L.A.CO CHARGE FOR CONNECTIONS
DOUBLE SCALE
SEE C.V.M.W.D. FOR CONNECTION CHARGE
52668
GRADE OF NORTH & SOUTH CURBS
COMPACTED FILL
EXIST. GROUND LINE
TRACT NO. 35386
SEE PAGE 4
CALLE CONEJO
SEWER CURVE DATA Δ=20°24'27" R=595.00' L=211.93' T=107.10'
SEWER CURVE DATA Δ=36°24'16" R=455.00' L=289.10' T=149.62'
(COMMON AREA) OPEN SPACE
SEWER BACKWATER VALVES MAY BE REQUIRED ON LOTS
P.C. 10222 PAGE 4
REVIEWED BY: Sanjay G. Ibali DATE 10-14-87
NO LA CO CHARGE FOR CONNECTIONS
DOUBLE SCALE
SEE C.V.M.W.D. FOR CONNECTION CHARGES
52669
GRADE OF EAST & WEST CURBS
GRADE OF NORTH & SOUTH CURB
8" VCP OR ABSCP
COMPACTED FILL
EXIST. GROUND LINE
INSTALL 8" PLUG AT TRACT BNDY.
TRACT No 35386
CALLE SERRANONA SEE PAGE 2
CALLE CONEJO SEE PAGE 3
(FUTURE TR. 36316 P.C. 10623)
(TRACT No 35388)
PASEO PRIMARIO
SEE PAGE 4B
VIA CHAPPARO (FUT. TRACT 35393)
TRACT BOUNDARY
SEE PAGE 4A PASEO PRIMARIO
(FUTURE TR. NO 35393) VIA CHAPPARO FUTURE STREET
INSTALL 8" PLUG AT TRACT BNDY.
TR. NO 35386
PASEO PRIMARIO

TRACT No 35386 PC 10222