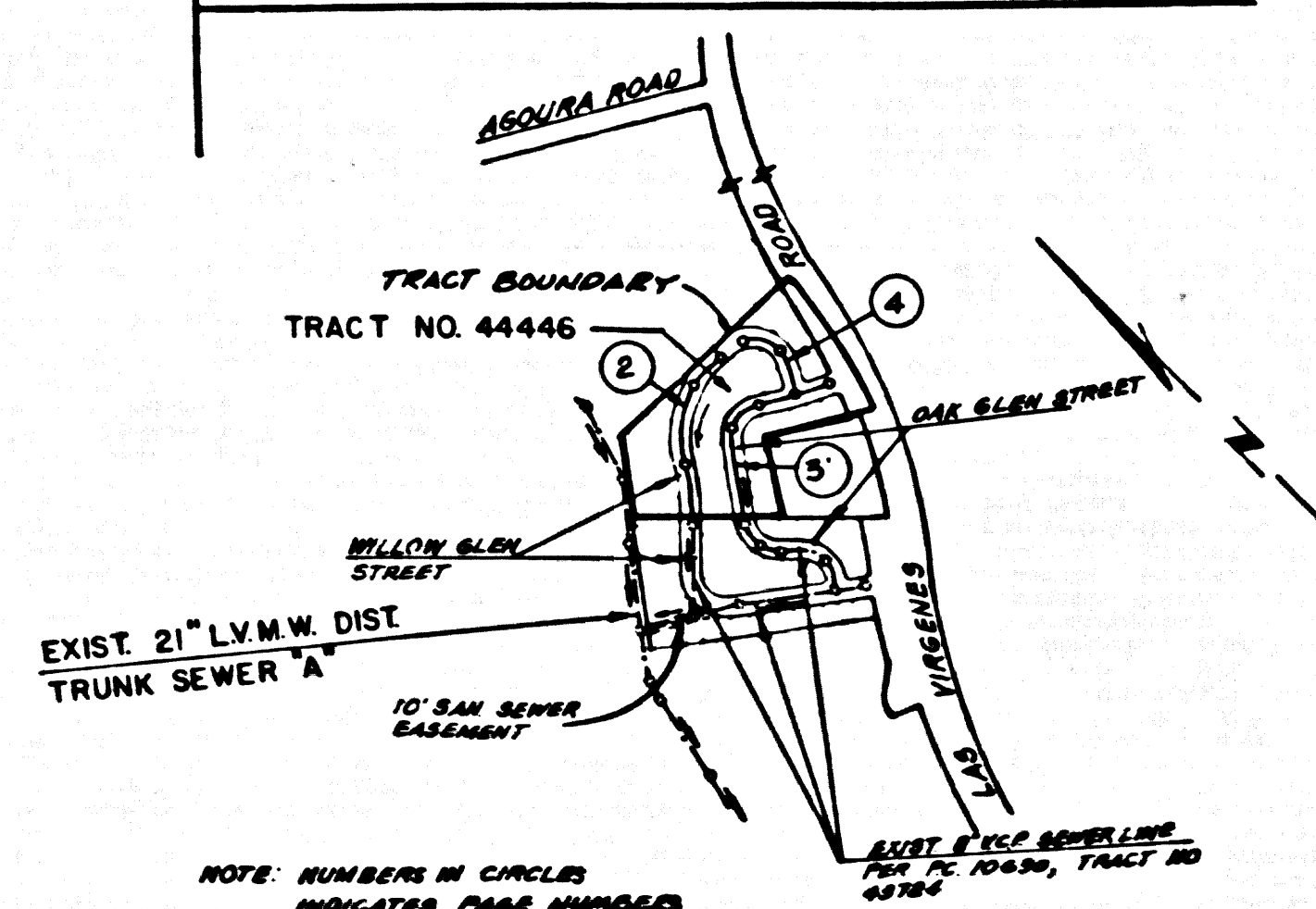


B.M. CY 5586 ELEV. 725.278
 C.S.B.M. MON IN BASE OF FLAGPOLE AT
 ANTHONY & WRIGHT SCHOOL 100 FT W/O
 LAS VIRGENES RD & 1/4 MI S/O VENTURA
 PKWY 0.85 MI S/O AGOURA ROAD MKCD
 (S.W. 87-80 1960)
MALIBU QUAD. 19.80



INDEX MAP
 P.C. 10731 TRACT NO. 44446
 SCALE: 1" = 600'

REVISION #3 DATED 3-24-88
 ADDED 8" V.C.P. 4" A.S.C.P. AT STA
 7+21.47 TO SERVE R.M. AT 18350
 ON PAGE 2.
 APPROVED *James Olin*
 DEPT. OF PUBLIC WORKS

CONSTRUCTION NOTES (CONT.): **DOUBLE SCALE**

16. 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/MINUTE/INCH OF DIAMETER/1,000 FEET
 250 GALLONS/DAY/INCH O.D. DIAMETER/MI
 - 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 LEAKS 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 INVERT OF THE LOWER STRUCTURE IS MORE THAN SIX FEET, AN AIR TEST WILL BE MADE.
 THE TIME TAKEN TO LOSE ONE POUND PER SQUARE INCH GAUGE PRESSURE IN THREE FEET OF SQUARE INCH GAUGE PRESSURE SHALL NOT BE LESS THAN FIFTEEN MINUTES FOR THE FOLLOWING TABLE:.....

MAIN PIPE DIAMETER	MINUTE TIME LOSS
12" - 14"	15 MINUTES
15" - 20"	20 MINUTES
21" - 30"	30 MINUTES

 IF THE TIME IS LESS THAN LISTED IN THE TABLE ABOVE, THE CONTRACTOR SHALL MAKE SUCH REPAIRS NECESSARY TO ELIMINATE THE EXCESSIVE LEAKAGE.
17. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.S.S. COMPOSITE PIPE.
18. MANHOLE WATER STOP GASKETS AND CLAMPS ARE NOT USED FOR THE CONNECTION OF A.S.S. COMPOSITE PIPE TO MANHOLE STRUCTURE.
19. A.S.S. SOLID WALL PIPE MUST BE USED FOR VTE AND HOUSE LATERAL CONNECTIONS TO A.S.S. COMPOSITE PIPE.
20. A.S.S. COMPOSITE PIPE SHALL BE RECCED IN CONFORMANCE WITH THE TABLE IN SECTION 8-3.1 OF PART IV OF THE SPECIAL PROVISIONS.
21. THREE DOME DEFLECTION COPIES ARE REQUIRED FOR RADIIUS OF CURVATURE LESS THAN 100 FEET WHEN USING A.S.S. COMPOSITE PIPE.
22. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.S.S. COMPOSITE PIPE IS USED.
23. SLOPE & THE CURVATURE SHALL NOT BE CHANGED BY PULLING OF JOINTS OR BEVELING THE PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A.S.S. COMPOSITE PIPE.
24. ALL VTE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
25. A.S.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAIN LINE SEWER.
26. ONLY VTE BRANCHES ARE TO BE USED FOR CONNECTION TO A.S.S. COMPOSITE MAINLINE SEWER PIPE.

NO HOUSE CONNECTIONS WILL BE MADE UNTIL A CONNECTION FEE IS PAID TO LAS VIRGENES MUNICIPAL WATER DISTRICT.

ISSUE NO HOUSE CONNECTION PERMITS UNTIL P.C. 10731 IS CONSTRUCTED AND ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES

GENERAL NOTES:

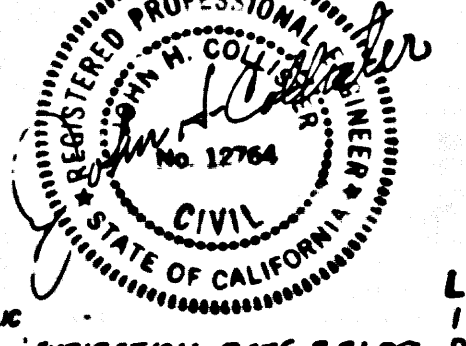
1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1988.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURVE, CENTERLINE OF STREETS OR CENTERLINE 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 DEPARTMENT OF PUBLIC WORKS WITH GRADE 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 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 18" MINIMUM BELOW THE TOP OF CURVE 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 DISTRICT DIVISION OF PUBLIC WORKS CONVEY A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE DISTRICT DIVISION OF PUBLIC WORKS. THE CONTRACTOR SHALL PAY THE FEE FOR SUCH PERMIT OFFICE NO. 18350 AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 1740 EAST HUNTINGTON DR. (STE. 206) DUARTE, CA. 91010 (918) 359-4511 (213) 681-7825 CITY OF LOS ANGELES CONTRACT INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS 300 S. FERNWOOD AV. 8TH FLOOR ALHAMBRA CAL. 91803. NAMED AS THE CONTRACTOR HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.
8. 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.
9. REFER TO SECTION 7.10.4.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
10. IN ADDITION TO THE REQUIREMENTS OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS CONVEY A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE DISTRICT DIVISION OF PUBLIC WORKS. A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND HEALTH, 1775 THE CITY OF LOS ANGELES CONTRACT INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS 300 S. FERNWOOD AV. 8TH FLOOR ALHAMBRA CAL. 91803. NAMED AS THE CONTRACTOR 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, 1988 EDITION WITH THE LATEST REVISIONS AND ANY PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 12/15/87. ALL WORK SHALL BE PRODUCED ONLY IN THE PRESENCE OF THE REPT. OF PUBLIC WORKS.
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, (213) 681-7825, AT LEAST TWENTY-FOUR HOURS BEFORE START OF WORK UNDER THIS CONTRACT.
3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE & FEET BELOW CURVE GRADE EXCEPT AS NOTED.
4. VTE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MANHOLE SEWERS EXCEPT AS NOTED.
5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 8-3 OR PRECAST CONCRETE MANHOLES PER 8-3.6 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 PORTIONS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
8. WITHEDED CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 808-2.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 8-3.2.2 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 V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 8-3.2.2 CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
11. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", WITH RUBBER IN PLACE PER STANDARD SPECIFICATIONS SECTION 200-2.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 300-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
13. RECONSTRUCT ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS. STANDARD SPECIFICATIONS.
14. FULL COMPLIANCE WITH SECTION 300-1.26 OF THE STANDARD 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 IN BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADE AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION. (ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.T.M. STD. METHOD) TEST SHEETS SHALL BE FURNISHED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPT.

SANITARY SEWERS
 TO BE CONSTRUCTED IN
 TRACT NO. 44446

PRIVATE CONTRACT NO. 10731
 INDEX: C-231 - C,5
 2 SHEETS, 4 PAGES



SCALE: HORIZ. 1" = 40' VERT. 1" = 4'
 FEBRUARY 3, 1988

PREPARED IN THE OFFICES OF
LOREN PHILLIPS & ASSOCIATES, INC.
 1740 EAST HUNTINGTON DR. (STE. 206)
 DUARTE, CA. 91010 (918) 359-4511 (213) 681-7825
 BY: *Loren Phillips*
 REG. C.E. NO. 12754

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

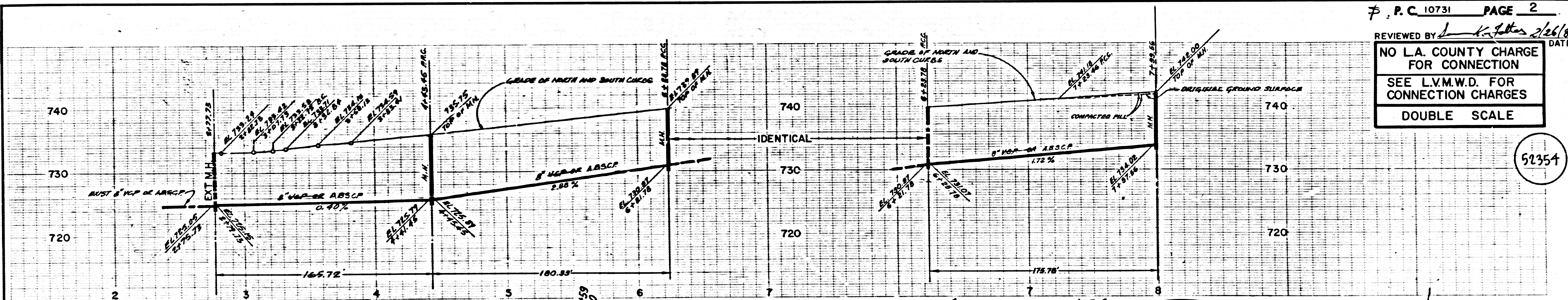
LEGEND	8-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	8-2
BRICK MANHOLE	8-3
STANDARD MANHOLE SET	8-7
BEDDING FOR SEWER PIPE	8-11
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ALLOWABLE TRENCH WIDTHS	8-32
LOCKING MANHOLE FRAME AND COVER	8-36
NON-REINFORCED PRECAST CONCRETE MANHOLE	8-38

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS

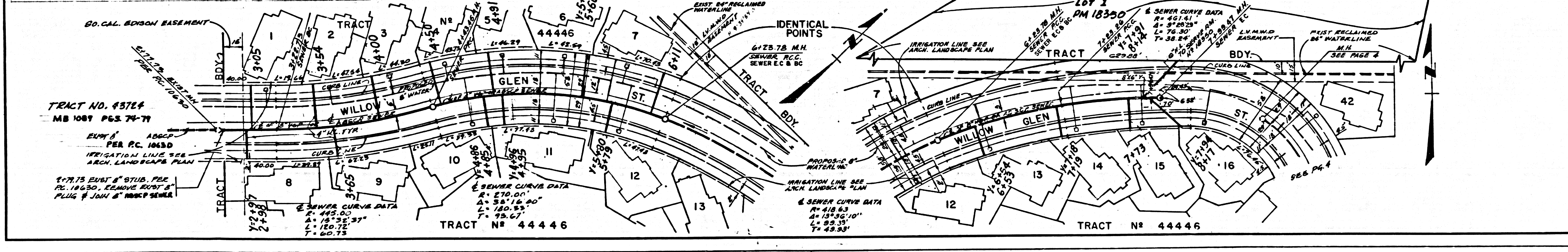
LAS VIRGENES MUNICIPAL WATER DIST.
 APPROVED *James Olin* 2-24-88 (DATE)
 APPROVED *Tom Stokes* 3-4-88 (DATE)

APPROVAL OF THIS PLAN BY THE LAND DEVELOPMENT DIVISION IS BASED ON REVIEW BY AN ENGINEERING CONSULTANT UNDER CONTRACT WITH THE COUNTY OF LOS ANGELES.

CALABASAS BLDG. DIST. 91



REVIEWED BY *James Olin* 2/26/88 DATE
NO L.A. COUNTY CHARGE FOR CONNECTION
 SEE L.V.M.W.D. FOR CONNECTION CHARGES
DOUBLE SCALE



151013
 8444 OM 91

52354

12-02

