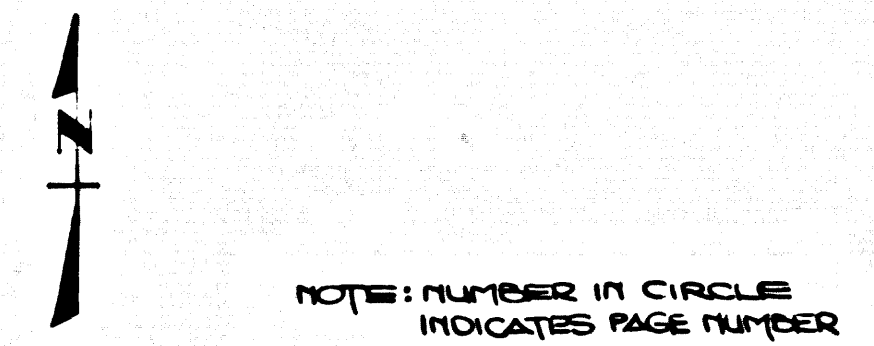


B.M. C.T. 9040 ELEV. 1005.931
 R.D.B.M. TAG IN CR 3" S. BCR
 55' S. & 44' W. C/L INT
 CALABAS RD. & PKWY CALABAS
 MALIBU QUAD. 1980



INDEX MAP
 PARCEL MAP NO. 17214
 P.C. 10459
 SCALE: 1"=600'

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 1-800-422-4153 two working days prior to any excavation or construction.

[Signature]
 Registered Engineer R.C.E. No. 19233

GENERAL NOTES:

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
- NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DEPT. OF PUBLIC WORKS.
- NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- 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, ON 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.
- THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "ON" OR "OFF" BRANCHES AND SHALL INVOICE 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 ROAD ELEMENT OF THE L.A. DEPT. OF PUBLIC WORKS DIST. OFFICE NO. 3, AND PAY A FEE TO THE DIR. OF PUBLIC WORKS, 550 S. VERMONT AVE., L.A. CA 90005, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- IF WORK IS TO BE DONE ON STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 120 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 OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
- REFER TO SECTION 710.4 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
- 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 ROAD DEPT. AT THE DEPT. OF PUBLIC WORKS, 550 S. VERMONT AVE., L.A. CA 90005, AND TRENCHES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 90 SOUTH VERMONT, RM. 810, LOS ANGELES, CALIFORNIA 90005, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

CONSTRUCTION NOTES CONT'D.

16. TESTING PER LAS VIRGENES MUNICIPAL WATER DISTRICT:

- INFILTRATION & LEAKAGE TESTS:** METHOD USED FOR TESTING WILL BE THE SAME AS L.A. COUNTY EXCEPT THE FORMULA TO BE USED IS AS FOLLOWS:
 0.033 GALLONS/DAY/INCH OF DIAMETER/1,000 FEET
 250 GALLONS/DAY/INCH OF DIAMETER/MILE
- 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.
- AIR TESTING:** WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT 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 GAGE PRESSURE FROM THREE (3) POUNDS PER SQUARE INCH GAGE PRESSURE TO TWO (2) POUNDS PER SQUARE INCH GAGE PRESSURE SHALL NOT BE LESS THAN TIMES SHOWN ON THE FOLLOWING TABLE:

MAIN PIPE DIAMETER	MINIMUM TIME LOSS
8" - 14"	1 MINUTE
15" - 20"	2 MINUTES
21" - 30"	3 MINUTES
31" - 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.

*NOTE: NOTE NO. 16 APPLIES ONLY TO SEWERS OWNED, OPERATED & MAINTAINED BY L.V.W.M.D.

CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1985 EDITION W/SUPPLEMENTS TO DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT., 21, 1978, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS.
- THE CONTRACTOR SHALL NOTIFY THE CONST. DIVISION, PUBLIC WORKS DEPT., TEL. (213) 226-8286 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-1 OR PRECAST CONCRETE MANHOLES PER S-2M, EXCEPT AS NOTED.
- PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCE 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.
- WITHEDED CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS, SECTION 308.2.
- A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-2L CASE # 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 S-2L CASE # UNLESS OTHERWISE APPROVED BY THE DEPT. OF PUBLIC WORKS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS, SECTION 308.2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308.1 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET ROAD SECTION, DEPT. OF PUBLIC WORKS OR CALIF. STATE HWY. REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- PER COMPLIANCE WITH SECTION 308.1.3 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 CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- SPECIAL BACKFILL ON EASEMENT CONSTRUCTION (AS 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. IN ALL BACKFILL AND EARTH REFACE 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 CONST. DIVISION-DEPT. OF PUBLIC WORKS.

TO BE CONSTRUCTED IN
PARCEL MAP No 17214
 PRIVATE CONTRACT NO. 10459

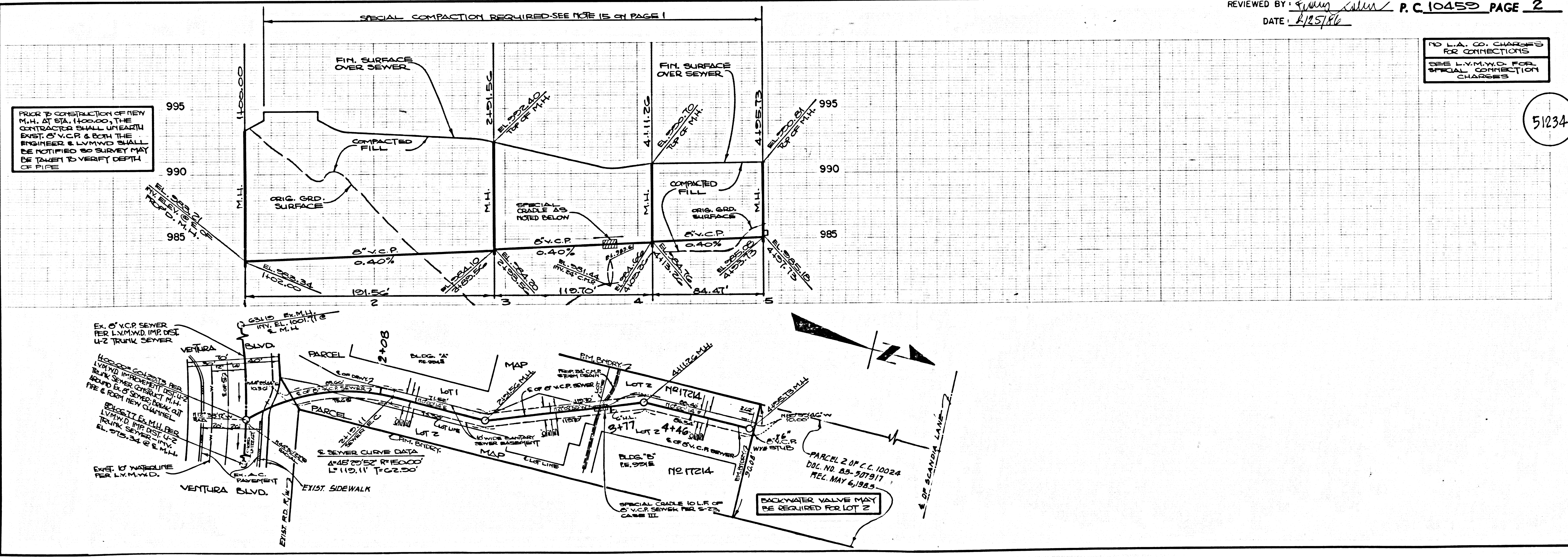
C-220, H-5
 1 SHEET, 2 PAGES
 51233
 SCALE: VERT. 1"=4' HORIZ. 1"=40'
 DECEMBER, 1985
 PREPARED IN THE OFFICES OF
LIND & HILLERUD, INC.
 2005 WASHINGTON DRIVE
 SAN MARINO, CA 91108
 BY: *[Signature]*
 JOHN J. SARRACINO
 REG. C.E. 19233

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:

STANDARD PUBLIC SAFETY REQUIREMENTS	S-1
BRICK SEWER MANHOLE	S-2
STANDARD MANHOLE STOP	S-3
BRASSING FOR SEWER PIPE	S-4
CRACKING AND BRASSING	S-5
WYE OR TEE SUPPORT	S-6
ALLOWABLE TRENCH WIDTHS	S-7
LOADING MANHOLE FRAME AND COVER	S-8
NON-BRICKWORK PRECAST CONCRETE SEWER MANHOLE	S-9

COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDENHANSON, DIRECTOR, LAS VIRGENES MUNICIPAL WATER DISTRICT
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: *[Signature]* DATE: 12-17-86
 CHECKED: *[Signature]* DATE: 12-17-86
 REG. C.E. NO. 16241
 CALABASAS BLDG. DIST. 21



REVIEWED BY: *[Signature]* P.C. 10459 PAGE 2
 DATE: 12/27/86

NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE L.V.W.M.D. FOR SPECIAL CONNECTION CHARGES

PC 10459

DISTRICT 21