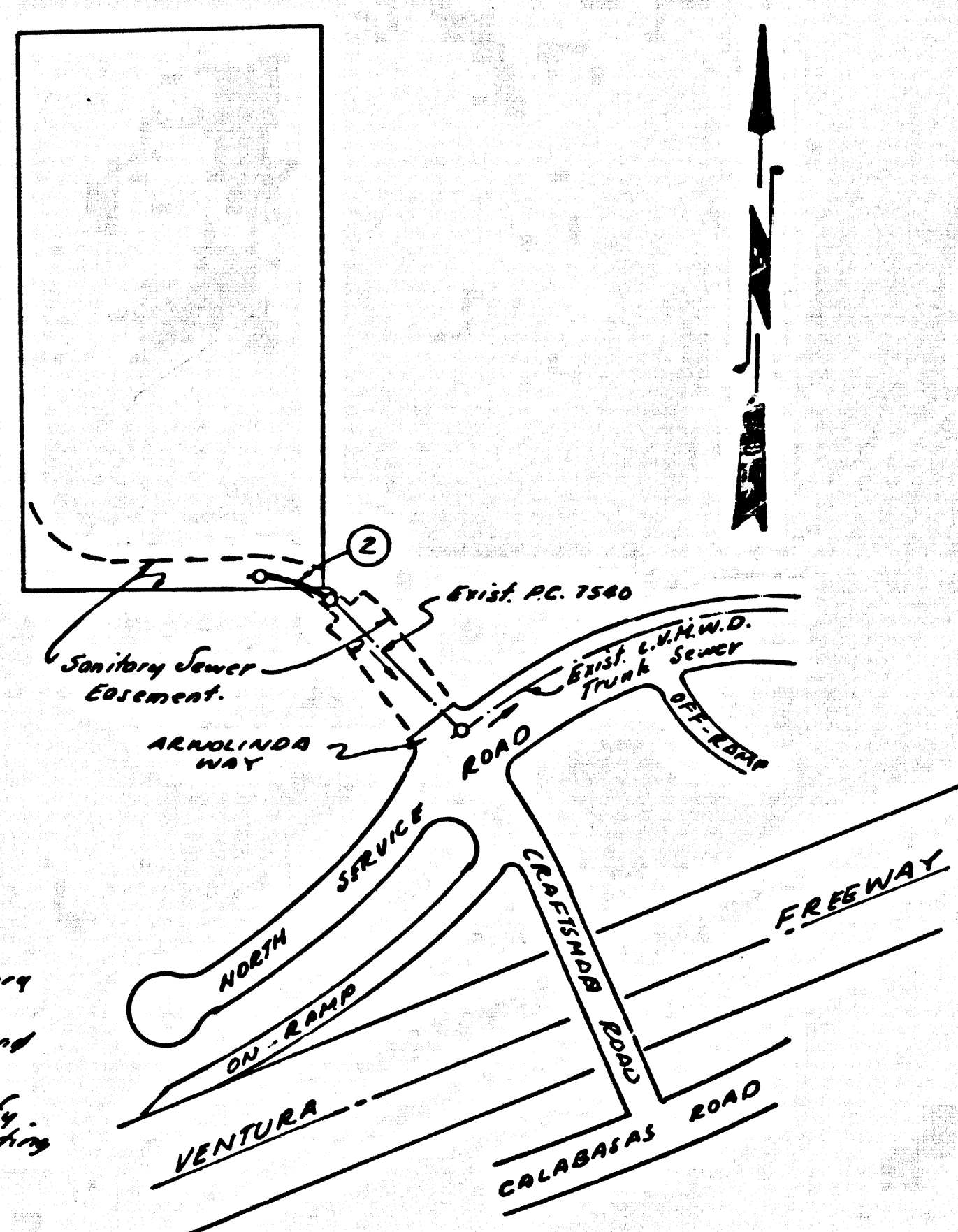


B.M. SY 5596 ELEV. 1014.072  
 Brass Cap Monument in 2" I.P. ± 10" diam  
 on Ventura Bl ± 2.3 mi East of Las  
 Virgenes Rd.  
 Malibu QUAD. 1960

All underground utilities or structures reported by the owner or others and those shown on the records examined are indicated with their approximate location and extent.  
 The owner by accepting these plans agrees to assume liability and to hold the undersigned harmless for any damages resulting to the existence of the underground utilities or structure not reported to the undersigned, not indicated on the public records examined located at variance with that reported or shown on records examined.  
 The contractor is required to take due precautionary measures to protect the utilities and structures shown and any other utilities or structures found at the site.  
 It shall be the contractor's responsibility to notify the owners of the utilities or structures before starting work.

Ronald W. Spindler 1/20/67  
 Ronald W. Spindler REC 13798



INDEX MAP  
 Scale 1" = 800'  
 P.C. 7859

**LEAKAGE TEST**

1. INFILTRATION AND LEAKAGE TEST: METHOD USED FOR TESTING SHALL BE THE SAME AS LOS ANGELES COUNTY EXCEPT THAT FORMULA TO BE USED IS AS FOLLOWS: 0.033 GALLONS/MINUTE/INCH OF DIAMETER/1,000 FEET OR 0.33 GALLONS/100' INCH OF DIAMETER/1 MILE

2. MANHOLE LEAKAGE TEST: AT THE DISCRETION OF THE DISTRICTS REPRESENTATIVE ONE MANHOLE OUT OF EVERY TEN MANHOLES, AND A MIN. OF TWO WILL BE FILLED WITH WATER AND AFTER THREE HOURS WILL BE CHECKED FOR LEAKAGE. WITH NO DROP IN LEVEL, FOR EVERY ONE MANHOLE NOT PASSING TESTS SIX MORES WILL BE TESTED AT THE DISCRETION OF THE DISTRICTS REPRESENTATIVE.

3. AIR TESTING: WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE UPPER STRUCTURE AND 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 38-INCH GAUGE PRESSURE FROM THREE POUNDS ONE 30 INCH GAUGE PRESSURE TO TWO POUNDS PER 38 INCH GAUGE PRESSURE SHALL NOT BE LESS THAN THOSE ON THE FOLLOWING TABLE:

MAIN PIPE DIAMETER	MINIMUM TIME LOSE
6" - 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.

CALABASAS BLDG. DIST. NO. 9.1

- NOTES:
1. PROPOSED STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
  2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
  3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 12" Ø" BRANCHES AND SHALL PROVIDE STAKES FOR THESE 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.
  4. 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.
  5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
  6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-2745, EXT. 81531, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
  7. MANHOLES SHALL BE BRICK SEWER STRUCTURES PER S-3. PRECAST CONCRETE MANHOLES PER S-3 OR S-4 MAY BE USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
  8. USE STANDARD MANHOLE FRAMES AND COVERS, S-1, EXCEPT AS NOTED.
  9. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
  10. USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
  11. USE MECHANICAL COMPRESSION JOINTS FOR ALL V.C.P. JOINTS PER SPEC. SECS. 34, 40 & 49.
  12. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-23, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
  13. 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 S-23, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
  14. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED.
  15. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
  16. FOR ROADWAY SURFACE SEE FORMULA M-3; SPEC. SEC. 86-1.
  17. ALL STATE AND LOCAL TRENCH SAFETY ORDERS WILL BE STRICTLY ENFORCED.
  18. Leakage and infiltration tests shall be conducted in the presence of a District Representative. Maximum leakage or infiltration is 0.033 gallons per minute per inch diameter per 1000 feet.
  19. 12" BRANCHES MAY BE USED IN PLACE OF 12" BRANCHES, EXCEPT AS NOTED.

ISSUE NO HOUSE CONNECTION PERMITS UNTIL SEWER R/W IS RECORDED.

COLLECT CHARGES AS INDICATED  
 L. Carter 4/1/67

PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** PAGE 1  
 TO BE CONSTRUCTED IN  
**SANITARY SEWER R/W**  
**N/O ARWOLINDA WAY**  
**PRIVATE CONTRACT NO. 7859**

W.S. 60  
 1 SHEET, 2 PAGES  
 SCALE: 1" = 40'  
 DATE: SEPT. 1967  
 PREPARED IN THE OFFICES OF  
 Steele, Spindler & Assoc.  
 13027 Ventura Blvd. 91604  
 by: Ronald W. Spindler  
 REG. C. E. NO. 13124

39532

NOTE: GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILE. GRADE POINTS FOR TOP OF CURB, 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 COMPLY TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.

THE DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS. WORK SHALL BE CONSTRUCTED ACCORDING TO STANDARD SPECIFICATIONS DATED MAY 23, 1961, ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTIVE ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.

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 IN THE PRESENCE OF THE COUNTY ENGINEER, ROOM 300, COUNTY ENGINEERING BUILDING, THE WEST SECOND STREET OFFICE, DISTRICT OFFICE IN THE PRESENCE OF THE DISTRICT ENGINEER, ROOM 300, COUNTY ENGINEERING BUILDING, THE SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA  
 JOHN A. LAMBIE, COUNTY ENGINEER  
 APPROVED BY: Robert W. Spindler REGIONAL ENGINEER  
 APPROVED BY: Hewitt S. Jones OFFICE ENGINEER CHIEF

CHECKED BY: Ronald W. Spindler 11/8/67  
 REG. C. E. NO. 13124

J. N. 0369-18

P. C. 7859 PAGE 2

SEE LAS VIRGENES MUNICIPAL WATER DISTRICT FOR CHARGES  
 COLLECT CHARGES AS INDICATED

39533

