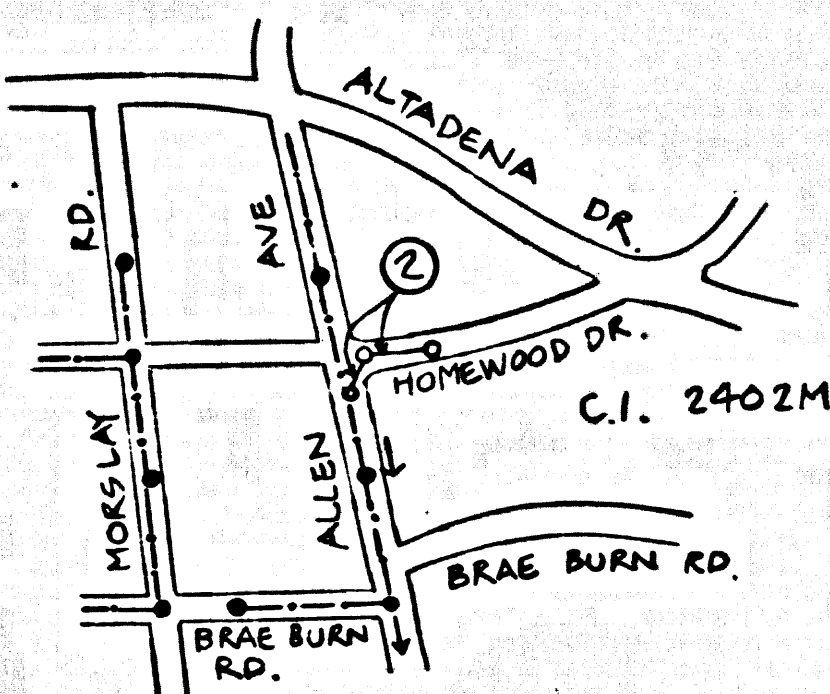


**BENCH MARKS**  
 BM CY 6488 Elev. 1386.231  
 C.S. MON. IN WELL 10' DN @ INT.  
 ALTADENA DR. & PORTER AVE. MARKED  
 RE 2177 PASADENA QUAD 1895



NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

**INDEX MAP**

SCALE: 1" = 500'  
 P.C. 11691 SEWERS IN HOMEWOOD DR. E/O ALLEN AVE.  
 THOMAS GUIDE PAGE: 536 C-5  
 CS. CO. BLDG. DIST. SAN GABRIEL VALLEY

NO.	REVISION	REVISED BY	APPROVED BY	DATE

**STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION**

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site by the force of wind or water.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labels and not be contaminated by the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excavations or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of receptor and dispersed by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance/receiver must be installed so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

- |   |  |
|---|--|
| CA001 - Dewatering Operations               | ES010 - Seeding and Planting             |
| CA002 - Paving Operations                   | ES011 - Mulching                         |
| CA003 - Structure Construction and Painting | ES020 - Outfitting and Mats              |
| CA010 - Material Delivery and Storage       | ES021 - Dust Control                     |
| CA020 - Solid Waste Management              | ES022 - Temporary Street Crossing        |
| CA021 - Hazardous Waste Management          | ES023 - Construction Road Stabilization  |
| CA022 - Concrete Waste Management           | ES024 - Stabilized Construction Entrance |
| CA023 - Sanitary/Septic Waste Management    | ES024 - Storm Drain Inlet Protection     |
| CA024 - Vehicle and Equipment Cleaning      |  |
| CA031 - Vehicle and Equipment Fueling       |  |
| CA032 - Vehicle and Equipment Maintenance   |  |
| ES001 - Scheduling                          |  |
| ES002 - Preservation of Existing Vegetation |  |

**STANDARD PLANS:**  
 THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENT SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:  
 LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS  
 APWA 208-0 BREAKING INTO EXISTING MANHOLES  
 APWA 222-0 HOUSE CONNECTION SEWER  
 APWA 223-0 HOUSE CONNECTION READING  
 2000-0 LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS  
 2021-0 SECOND FOR SEWER PIPE  
 2024-0 WYE OR TEE SUPPORT  
 2027-0 ALLOWABLE TRENCH WIDTHS

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION.

**NOTICE TO CONTRACTOR:**  
 MAINTAIN SEWER SERVICE AT ALL TIMES

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (626) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

**PRIVATE CONTRACT SEWER GENERAL NOTES**

- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans:
- A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the Department of Public Works at the Permit Counter, 800 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, Cultrana, etc., must be filed with the permit application.
  - Prior to issuance of any permit, the contractor shall file a permit for excavations and trenches from the State of California Division of Industrial Safety, and a Certificate of Worker's Compensation Insurance with the Department of Public Works named as the Certificate Holder to be notified 30 days prior to construction of project.
  - If work is 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.
  - When work is within a contract city, the contractor must contact the Director of Public Works of that city to determine the location to pay the inspection fee.
  - The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
  - Approval of this plan by the County of Los Angeles does not constitute a representation as to accuracy of the location of or the existence or non-existence of any underground utility pipes or structures within the limits of this project. This note applies to all pages.
  - All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including supplements and the latest Special Provisions for the Construction of Sanitary Sewers and shall be processed only in the presence of the Department of Public Works.
  - The contractor's attention is directed to Section 7-10.4.1 of the Standard Specifications for Public Works Construction, including supplements and the latest Special Provisions for the Construction of Sanitary Sewers as shown on Los Angeles Department of Public Works Standard S-2.
  - Excavations are to be made in accordance with the approved of the Director of Public Works.
  - No representative of the Department 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 curb, centerline of street, or centerline of drive, are shown by circles on profiles at all points between designated points. The grade shall be established on as to conform to a straight line drawn between said designated points.
  - The private engineer shall furnish the Department of Public Works with grade sheets and stationing for all house laterals "T" or "Y" branches and shall provide stationing for them at their proper locations angles from the main line sewer except as shown on the plan. House laterals from driveways shall not be within 45 degrees with the U.L. sewer. Any change in alignment shall be requested 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.

**CONSTRUCTION NOTES**

- Private survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Verified slope pipe joints shall be type "T" or "Y" per standard specifications section 208-2.
- If a manhole is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case II, two feet on each side from the point of interference.
- All joints between pipe and fittings shall be made with a rubber sleeve joint, type "T" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with invert at the property line 6 feet below curb grade except as noted.
- House laterals to be constructed with invert at the property line 6 feet below curb grade except as noted.
- If during the course of construction, it is determined that there is less than four feet of cover over the top of a manhole or house lateral V.C.P. sewer which is not indicated on the plans, the pipe shall be encased per standard plan S-23.
- All structures shall be either brick sewer manholes per standard plan S-3 or precast concrete sewer manholes per standard plan S-26 or reinforced precast concrete manhole per standard plan S-6, except as noted.
- Manholes of trench shall provide cover to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- All compliance with section 306-13.4 of the standard specifications will be required for location of street centerline of local construction and some equivalents by a qualified civil engineer shall be provided by the licensee prior to the issuance of a certificate of partial acceptance.
- All sections and the outside of the street right of way shall be compacted to 90% of the maximum density as determined by ASTM soil compaction test D 1557-78 method "D" unless otherwise specified. This shall be certified by a qualified civil engineer. The certification shall be submitted to the Construction Division of the Department of Public Works prior to the acceptance of the work by the county.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- Sewers to be tested for leakage per section 306-17.4 of the standard specifications and special provisions.

**PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS**

TO BE CONSTRUCTED IN  
 HOMEWOOD DRIVE  
 E/O ALLEN AVE.  
 1 SHEET: 2 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX 1960

JAMES A. NOTES DIRECTOR OF PUBLIC WORKS  
 APPROVED BY LAND DEVELOPMENT DIVISION  
 BY *James A. Notes* 5/14/03  
 ASSISTANT DIVISION CHIEF  
 SUBMITTED BY *[Signature]* 5/14/03  
 SUBDIVISION PLAN CHECKING SECTION

APPROVED: COUNTY SANITATION DISTRICT NO. 17  
 OF LOS ANGELES COUNTY  
 JAMES F. STAHL - CHIEF ENGINEER AND GENERAL MANAGER

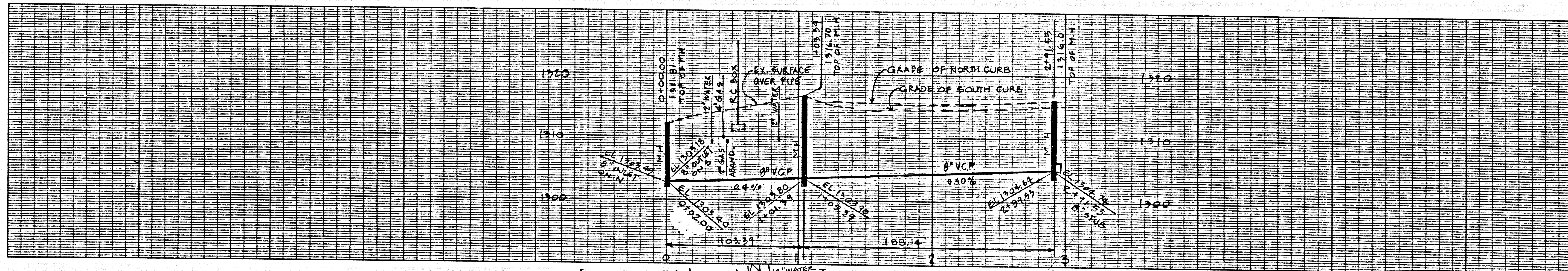
56001

BY *[Signature]* 5/15/03  
 DISTRICT ENGINEER

**PRIVATE ENGINEERS NOTICE TO CONTRACTORS:**

THE DISTANCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL THE CITY CLERK'S OFFICE OF GENERAL TELEPHONE COMPANY AT 1-805-948-6571 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

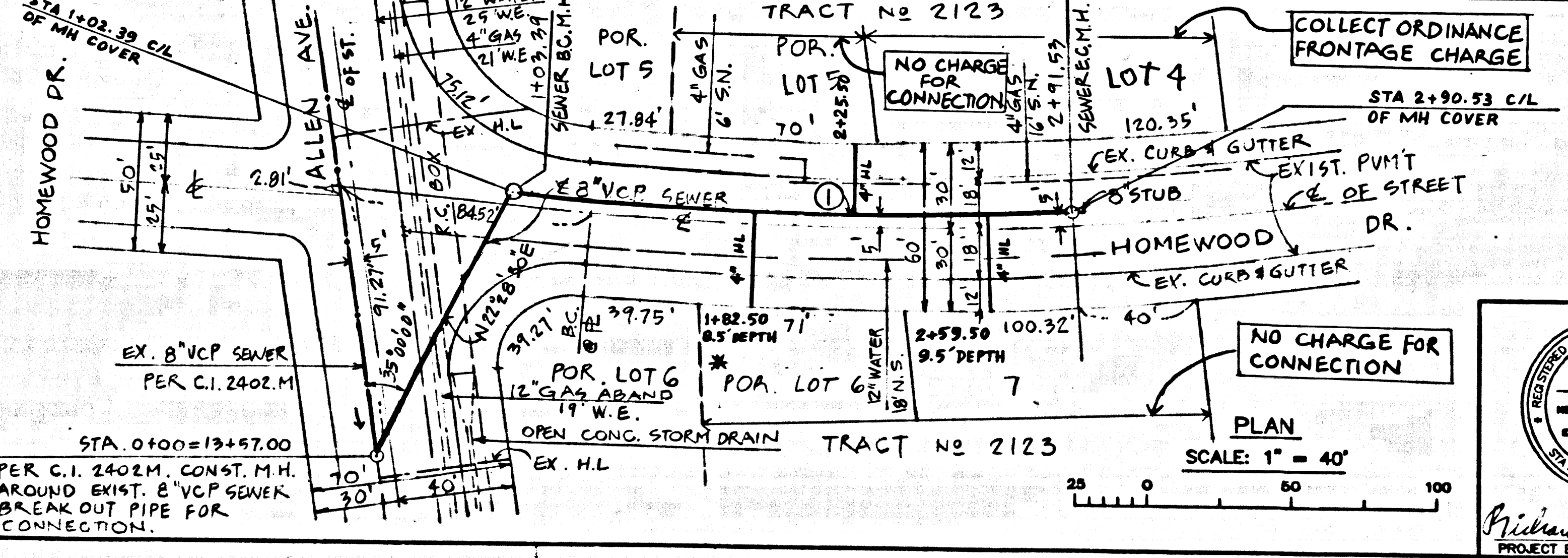
*Richard Garcia* 20546 5-12-03  
 PROJECT ENGINEER RICE NO. DATE



\* BACKWATER VALVE MAY BE REQUIRED FOR LOT 6

TABLE OF SEWER CURVE DATA

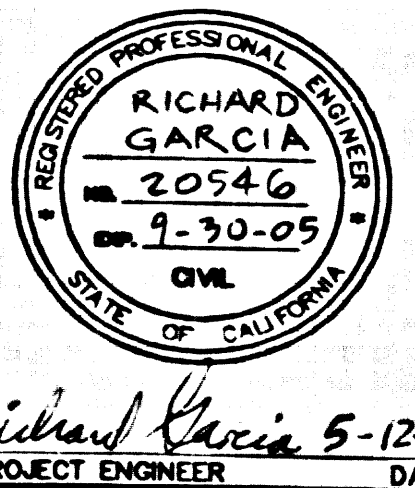
Δ	R	L	T
9° 40' 04"	1119.00	188.14'	74.29'



**SANITARY SEWER PLANS IN SEWERS IN HOMEWOOD DRIVE PC NO. 11691**

REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY *[Signature]* 5/14/03  
 SUBDIVISION PLAN CHECKING SECTION DATE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
 PLAN PREPARED BY:  
 RICHARD GARCIA, P.E.  
 5183 OVERLAND AVE., SUITE "A"  
 CULVER CITY, CA 90230  
 (310) 838-5096



56002

P.C. 11691 PAGE 2

COLLECT CHARGES AS INDICATED  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 DOUBLE SCALE