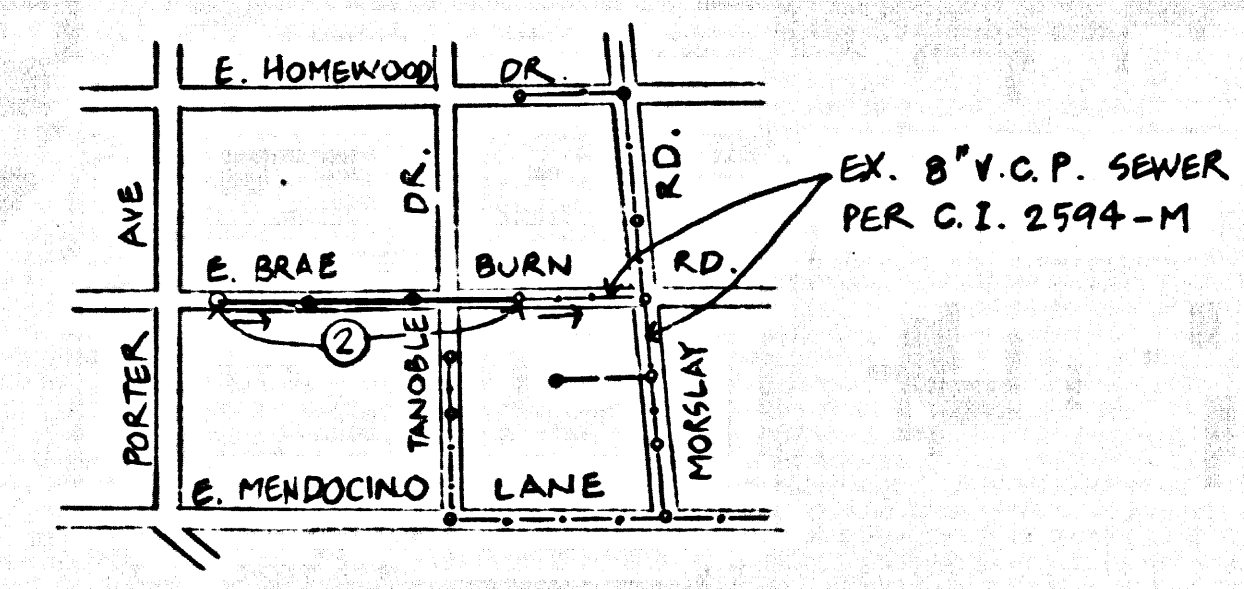


BENCH MARKS
 BM CY 6488 Elev. 1386.251
 C.S. MON. IN WELL 10" DN @ E. INT.
 ALTADENA DR. & PORTER AVE. MARKED
 RE 2177 PASADENA QUAD 1895



INDEX MAP
 SCALE: 1" = 800'
 P.C. 11695 SEWER IN BRAE-BURN RD. W/6 MORSLAY RD.
 THOMAS GUIDE PAGE: 2-500 BLDG. DIST. SAN GABRIEL VALLEY

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 sheet flow, surface, area drains, natural drainage courses, or water.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and are not to contaminate 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.
- Excess 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 rainwater and disposal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadway must be stabilized 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 - DEMOLITION OPERATIONS
- CA002 - DRAINING OPERATIONS
- CA003 - STRUCTURE CONSTRUCTION AND PAINTING
- CA010 - MATERIAL DELIVERY AND STORAGE
- CA020 - SOLID WASTE MANAGEMENT
- CA021 - HAZARDOUS WASTE MANAGEMENT
- CA022 - CONCRETE WASTE MANAGEMENT
- CA023 - SANITARY/SEPTIC WASTE MANAGEMENT
- CA030 - VEHICLE AND EQUIPMENT CLEANING
- CA032 - VEHICLE AND EQUIPMENT MAINTENANCE
- ES001 - SCHEDULING
- ES002 - PRESERVATION OF EXISTING VEGETATION
- ES010 - SEEDING AND PLANTING
- ES011 - MULCHING
- ES020 - GERTILES AND MATS
- ES021 - DUST CONTROLS
- ES022 - TEMPORARY STREAM CROSSING
- ES023 - CONSTRUCTION ROAD STABILIZATION
- ES024 - STABILIZED CONSTRUCTION ENTRANCE
- ES025 - STORM DRAIN FLEET PROTECTION

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-D BREAKING INTO EXISTING MANHOLES
 APWA 222-D HOUSE CONNECTION SEWER
 APWA 223-D HOUSE CONNECTION REMODELING
 2000-D LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS.
 2021-D BEDDING FOR SEWER PIPE
 2024-D WYE OF TEE SUPPORT
 2027-D ALLOWABLE TRENCH WIDTHS

NOTICE TO CONTRACTOR:
 MAINTAIN SEWER SERVICE AT ALL TIMES

PRIVATE CONTRACT SEWER GENERAL NOTES

- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans:
 1. 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 local Excavation, California, etc., must be filed with the permit application.
 2. 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 policy.
 3. 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.
 4. 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.
 5. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
 6. 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 pipe or structure within the limits of the project. This note applies to all pages.
 7. 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 prosecuted only in the presence of the Department of Public Works.
 8. The contractor's attention is directed to Section 7-10.4.1 of the Standard Specifications for Public Works Construction in regard to safety orders and shall conform to the "Minimum Public Safety Requirements" as shown on Los Angeles Department of Public Works Standard 5-2.
 9. Elevation are in feet above U.S.C. & G.S. sea level datum of 1929.
 10. No revisions shall be made in these plans without the approval of the Director of Public Works.
 11. No representative of the Department of Public Works will survey or lay out any portion of the work.
 12. Grades to which this improvement is to be constructed are shown on plans and profiles. Grade points for top of curbs, 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.
 13. 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 of their proper location with reflecting pinny markers. All house laterals shall be constructed in a straight alignment of right angles from the main line sewer except as shown on the plans. House laterals from driveways shall not be at an angle of less than 45 degrees with the M.L. sewer. Any change in alignment shall be requested in writing by the private engineer.
 14. 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

- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Verified clay pipe joints shall be type "Y" or "T" per standard specifications section 208-2.
- If a pipe runs within three feet of the sewer, the sewer shall be encased per standard plan 5-23, case II, two feet on each side from the point of interference.
- All joints between cast iron pipe and vitrified clay shall be made with a rubber sleeve joint, type "Y" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts at the property line 8 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to the mainline sewers 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 sewer shall be encased per standard plan 5-23, case II, unless otherwise approved by the Director of Public Works.
- All structures shall be either built sewer manholes per standard plan 5-3 or precast concrete sewer manholes per standard plan 5-26, or reinforced precast concrete manholes per standard plan 5-3 or precast concrete sewer manholes per standard plan 5-26, in accordance with the permits.
- Reinforced of trenches with paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 308-13.4. of the standard specification will be required for backfill in street certification of backfill compaction and sand equivalents by a qualified civil engineer shall be provided by the permit prior to the issuance of a certificate of partial completion.
- All backfill and fill outside of the street right of way shall be compacted to 90% of the maximum density as determined by ASTM soil compaction test D 1557-77 unless otherwise specified. This shall be certified by a qualified civil engineer. This 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 308-1/4 of the standard specifications and special provisions.

PROFILE, ALIGNMENT AND GRADE OF

SANITARY SEWERS
 TO BE CONSTRUCTED IN
 BRAE-BURN ROAD PC NO. 11695
 W/O MORSLAY ROAD
 1 SHEETS: 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 INDEX 1160

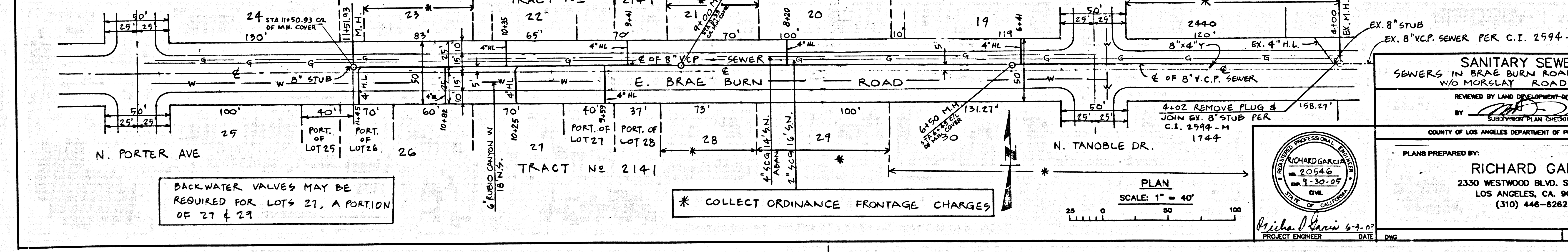
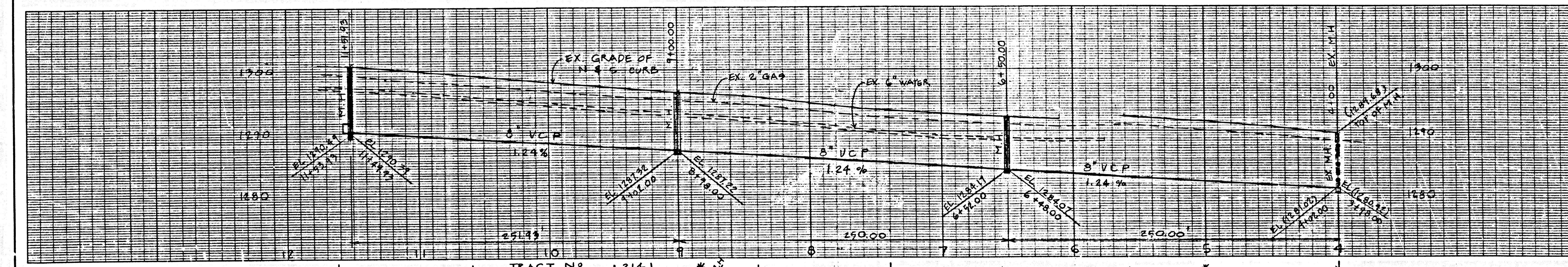
JAMES A. NOYES DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY Dennis P. Garcia 3/16/04
 ASSISTANT DIVISION CHIEF DATE
 SUBMITTED BY R. Garcia 3/16/04
 SUPERVISOR PLAN CHECKING SECTION DATE

APPROVED: COUNTY SANITATION DISTRICT
 JAMES P. STAJAL - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 17 (5616)
 BY Anthony 3/25/04
 OFFICE ENGINEER DATE

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

THE EXISTENCE 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 MR. RAY CHAMBERS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 PROJECT ENGINEER: RICHARD GARCIA 20546 6-3-03
 DATE

NO.	REVISION	REVISED BY	APPROVED BY	DATE



BACKWATER VALVES MAY BE REQUIRED FOR LOTS 27, A PORTION OF 27 & 29

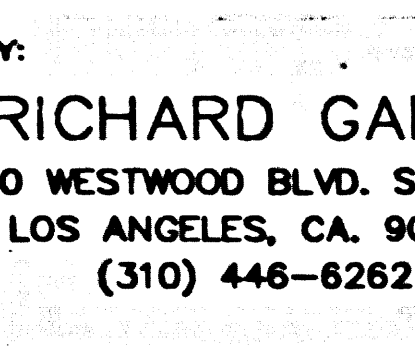
* COLLECT ORDINANCE FRONTAGE CHARGES

P.C. 11695 PAGE 2
 COLLECT CHARGES AS INDICATED
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (802) 680-7411 EX. 2727
 DOUBLE SCALE

SANITARY SEWER PLANS IN
 SEWERS IN BRAE BURN ROAD PC NO. 11695
 W/O MORSLAY ROAD

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY R. Garcia 3/16/04
 SUPERVISOR PLAN CHECKING SECTION DATE

PLANS PREPARED BY:
 RICHARD GARCIA
 2330 WESTWOOD BLVD. SUITE 200
 LOS ANGELES, CA. 90064
 (310) 446-8282



PROJECT ENGINEER: RICHARD GARCIA 20546
 DATE: 3/16/04

BRAE BURN RD. W/O MORSLAY RD. 11695