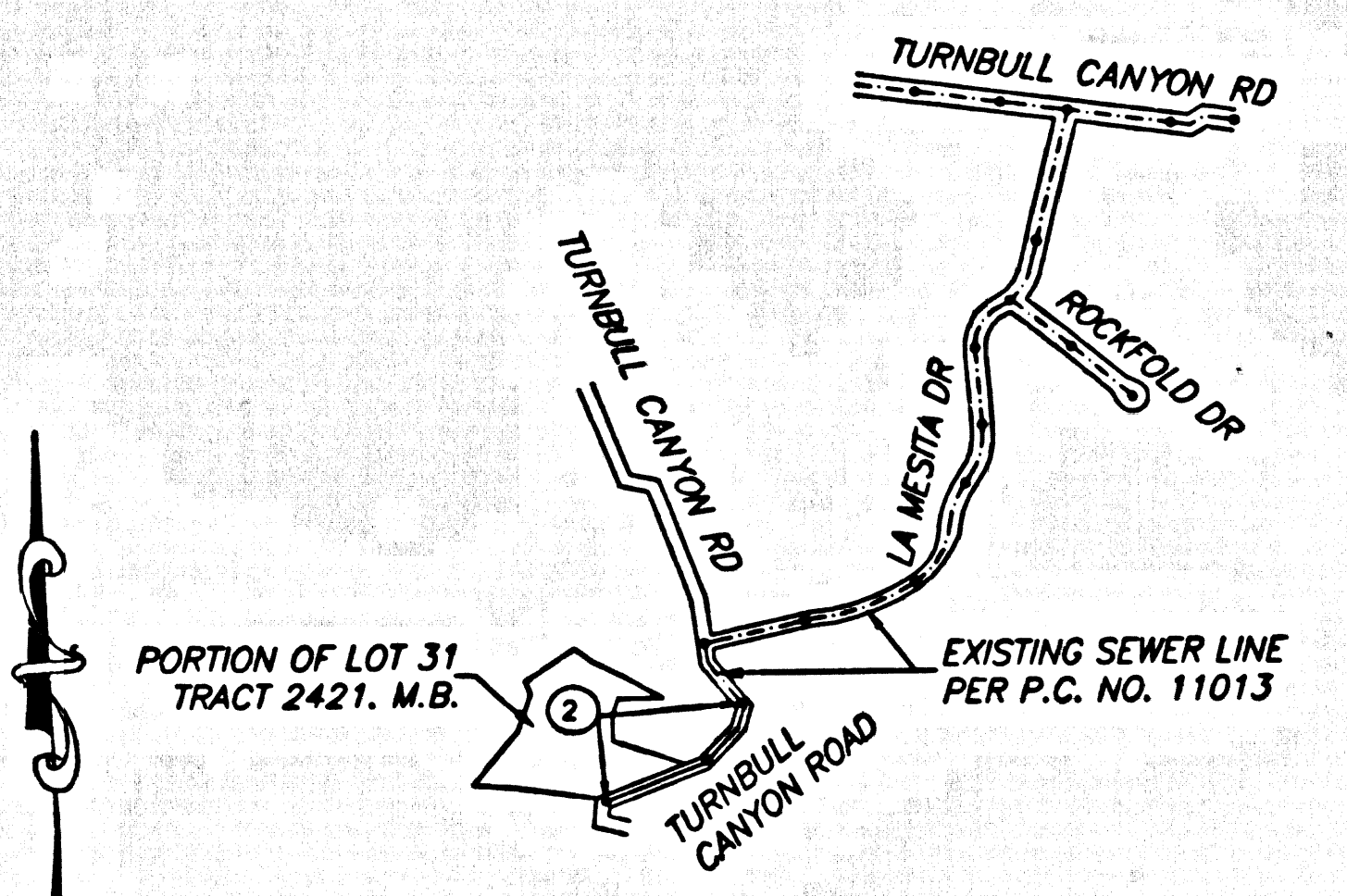


BENCH MARKS
 BM G3216
 WHITTIER 1995 QUAD
 Elev. 632.502
 L&T 600MM FR END CB OF PLANTER NLY SIDE PVT DR
 TO HSE #2400 TURNBULL CYN RD 5.5 M ELY/O C/L
 & 22M NLY/O C/L PROD AVOCADO TERRACE DR



INDEX MAP 2173
 SCALE: 1" = 600'
 P.C. 11628
 THOMAS GRID PAGES: 877-83
 NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

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 via sheet flow, rills, ditches, 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 listing 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 dispersed 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 - Dewatering Operations | ESC10 - Seeding and Planting |
| CA002 - Paving Operations | ESC11 - Mulching |
| CA003 - Structural Construction and Painting | ESC12 - Geotextiles and Mats |
| CA010 - Material Handling and Storage | ESC13 - Dust Control |
| CA020 - Solid Waste Management | ESC14 - Temporary Stream Crossing |
| CA021 - Hazardous Waste Management | ESC15 - Construction Road Stabilization |
| CA022 - Concrete Waste Management | ESC16 - Stabilized Construction Entrance |
| CA023 - Sanitary/Sanitary Waste Management | ESC17 - Storm Drain Inlet Protection |
| CA024 - Sanitary/Sanitary Waste Management | |
| CA030 - Vehicle and Equipment Fueling | |
| CA031 - Vehicle and Equipment Maintenance | |
| CA032 - 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-D BREAKING INTO EXISTING MANHOLES
 APWA 221-D HOUSE CONNECTION SEWER
 APWA 223-D HOUSE CONNECTION REMODELING
 2008-D LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS
 2021-D BEDDING FOR SEWER PIPE
 2022-D LIVE PIPE SUPPORT
 2027-D ALLOWABLE TRENCH WIDTHS

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

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE AT (626) 962-9005 SO THAT REQUIRED INSPECTION CAN BE MADE.

NO.	REVISION	REVISED BY	APPROVED BY	DATE

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 those for Excavation, California, 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 on the Certificate Holder to be notified 30 days prior to commencement of work.
 - 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 done in a contract area, 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 pipe or structure within the limits of this project. This note applies to all projects.
 - All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including amendments 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 Representatives" as shown on Los Angeles Department of Public Works' Standard S-2.
 - Deviations are to be filed above U.S.C. & G.S. and level datum of 1928.
 - No revisions shall be made in these plans without the approval of the Director of Public Works.
 - No representation 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 1" of curve, centerline of streets, or centerline of sewer, 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 Department of Public Works with grade sheets and stationing for all house laterals and 12" or 18" branches and shall provide 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 degrees with the M.L. 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.

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 "D" or "U" per standard specifications section 208-2.
- If it is possible to install the sewer, the sewer shall be encased per standard plan S-23, case 4, 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 "D" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts at the property line 6 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 pipe shall be encased per standard plan S-23, case 8, unless otherwise approved by the Director of Public Works.
- All structures shall be either brick sewer manholes per standard plan S-3, or precast concrete sewer manholes per standard plan S-36, or reinforced precast concrete manholes per standard plan S-8, except as noted.
- Resurface all trenches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 208-1.3.4. of the standard specifications will be required for backfill in street certification of a certificate of partial occupancy.
- All backfill and fills 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. 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 208-1/4 of the standard specifications and special provisions.
- Manhole tops in improved right of way to be level with finished grade.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN

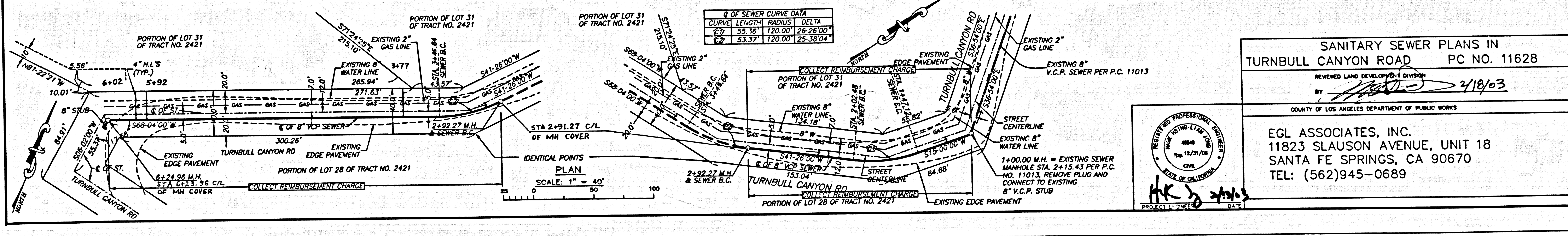
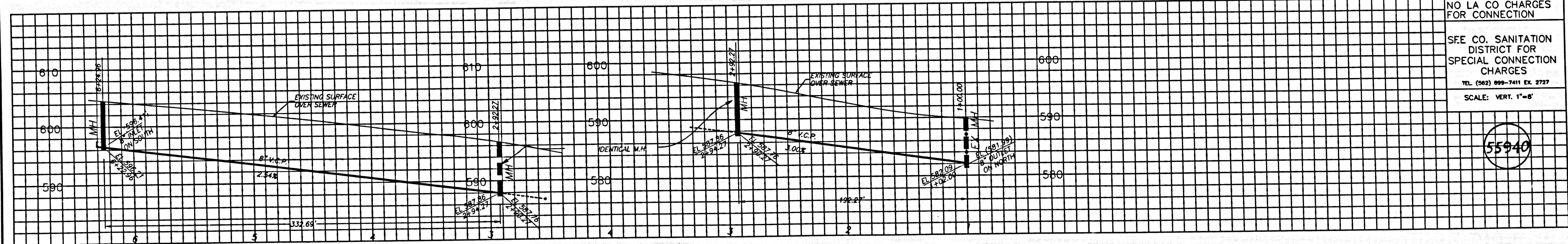
TURNBULL CANYON ROAD PC NO. 11628
 1 SHEET: 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 INDEX 2173

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS
 OF LOS ANGELES CALIF.
 APPROVED BY: LAND DEVELOPMENT DIVISION
 BY: Dennis Hunter ASSISTANT REVISION ENGINEER DATE
 SUBMITTED BY: [Signature] DATE: 02/18/03
 SUPERVISOR: [Signature] DATE: 02/18/03

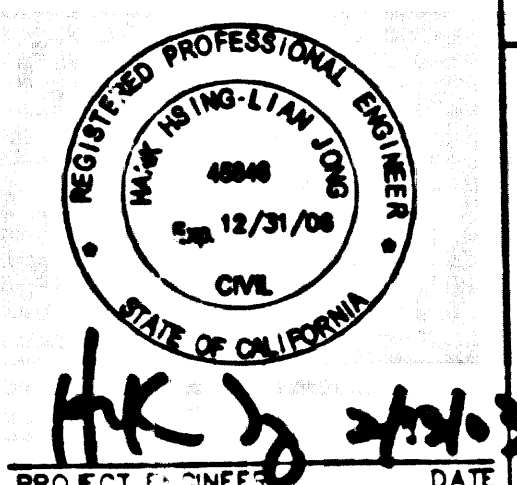
LA PUENTE BLDG. DIST. 2
 APPROVED: COUNTY SANITATION DISTRICT
 JAMES F. STALL - CHIEF ENGINEER and GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 15
 55939
 BY: [Signature] DATE: 2/19/03
 OFFICE ENGINEER

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 RECORDS TO VERIFY THE EXISTENCE OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES. 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 THESE DRAWINGS. 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 CLARKE, CHIEF OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 HK [Signature] DATE: 2/13/03
 HANK SONG R.C.E. NO. 4113
 EXPIRATION DATE: 12-31-2022



SANITARY SEWER PLANS IN
 TURNBULL CANYON ROAD PC NO. 11628
 REVISED LAND DEVELOPMENT DIVISION
 BY: [Signature] DATE: 2/18/03
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 EGL ASSOCIATES, INC.
 11823 SLAUSON AVENUE, UNIT 18
 SANTA FE SPRINGS, CA 90670
 TEL: (562)945-0689



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