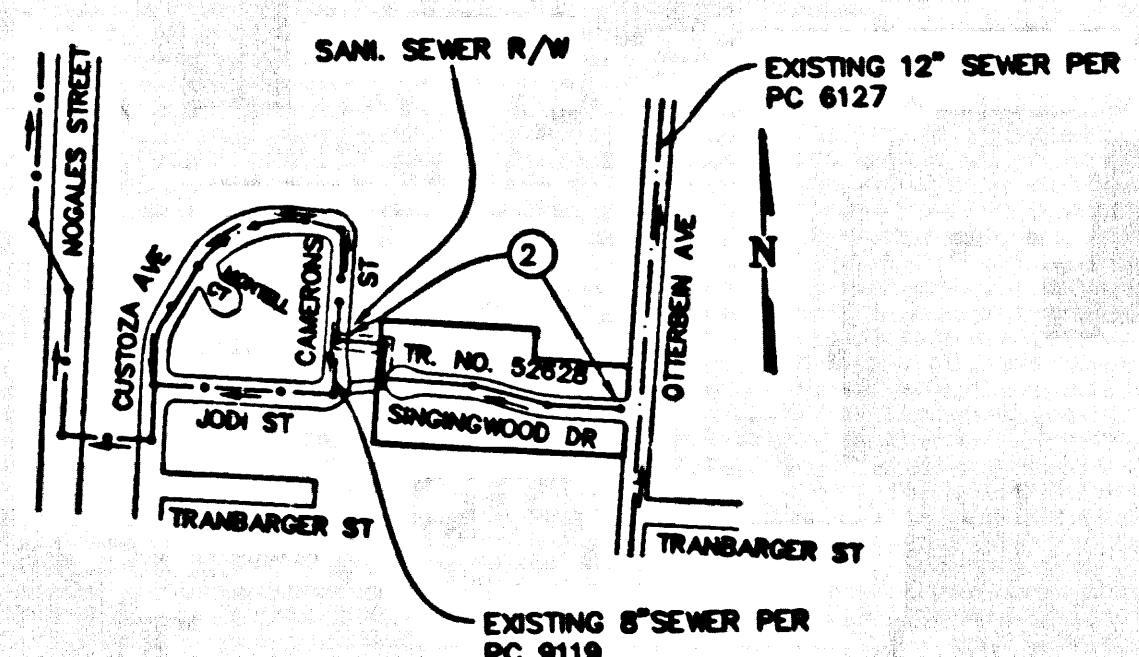


BENCH MARKS
 BM G-3103 Elev. 511.984
 RDBM TAG IN N CB 2M W/O BCR @ N/E COR COLUMA RD
 & OTTERBEN AVE, 12.8M N & 15M E/O CL INT
 LA HABRA QUAD 1901



NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.
INDEX MAP
 SCALE: 1"=800'
 P.C. 11500-TR. NO. 52628
 THOMAS GUIDE PAGE: 673 C4
 INDEX: 2305

| NO. | REVISION | REVISED BY | APPROVED BY | DATE |
|-----|----------|------------|-------------|------|
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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, erosion, area drains, natural drainage courses, or wind.
 - 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 waste 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 disposed by wind.
 - Sediments and other materials may not be brodd from the site by vehicle traffic. The construction entrance roadways must be established so as to inhibit sediments from being deposited into the public way. Accidental depositions must be cleaned up immediately and may not be washed down by rain or other means.
 - Any slopes with disturbed soil or denuded vegetation must be stabilized so as to inhibit erosion by wind and water.
- CA001 - Dewatering Operations**
 CA002 - Paving Operations
 CA003 - Structure Construction and Painting
 CA010 - Material Delivery and Storage
 CA020 - Solid Waste Management
 CA021 - Hazardous Waste Management
 CA022 - Sanitary/Septic Waste Management
 CA023 - Vehicle and Equipment Cleaning
 CA024 - Vehicle and Equipment Maintenance
 EC001 - Scheduling
 EC002 - Preservation of Existing Vegetation
- ES010 - Seeding and Planting**
 ES011 - Mulching
 ES020 - Geotextiles and Mats
 ES021 - Dust Controls
 ES022 - Temporary Stream Crossings
 ES023 - Construction Road Stabilization
 ES024 - Stabilized Construction Entrance
 ES034 - Storm Drain Inlet Protection
- STANDARD PLANS:**
 THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENT SHALL APPLY AT THE CONSTRUCTION OF THIS PROJECT.
 LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
 AFWA 208-0 BREAKING INTO EXISTING MANHOLES
 AFWA 222-0 HOUSE CONNECTION SEWER
 AFWA 223-0 HOUSE CONNECTION SEWER
 2000-0 LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS
 2021-0 BEGINS FOR SEWER PIPE
 2021-0 WYE OR TEE SUPPORT
 2022-0 ALLOWABLE TRENCH WIDTHS
 2023-0 JACKING STEEL CASING FOR SEWER PIPE
- NO CONNECTION FOR DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL 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) 962-8605 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, 300 South Fremont Avenue, 6th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Road Excavation, Caltrans, 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 and 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 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 pipe or structure within the limits of this project. This note applies to all jobs.
 - 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.
 - 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 3-2.
 - Elevations are in feet above U.S.C. & G.S. sea level datum of 1928.
 - No excavations shall be made in these plans without the approval 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 streets, or centerline of alleys, are shown by circles on profiles of 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 "Y" or "T" 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 of right angles from the main sewer shown on the plans. House laterals from driveways 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 centerline of each manhole.
- Marked survey pipe joints shall be type "D" or "U" per standard specifications section 208-2.
- If a pipe 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 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 laterals at the property line 6 feet below curb grade except as noted.
- Use of 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 II, 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.
- Reinforcement of trenches with poured concrete to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 306-13.4 of the standard specifications will be required for backfill in street certification of backfill compaction and soil equivalent by a qualified civil engineer prior to the issuance of a certificate of partial acceptance.
- All backfill and the bottom of the street right of way shall be compacted to 92% 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 306-13.4 of the standard specifications and special provisions.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS

TO BE CONSTRUCTED IN
 TRACT NO. 52628 INDEX: 2305 PC NO. 11500
 1 SHEETS OF 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA

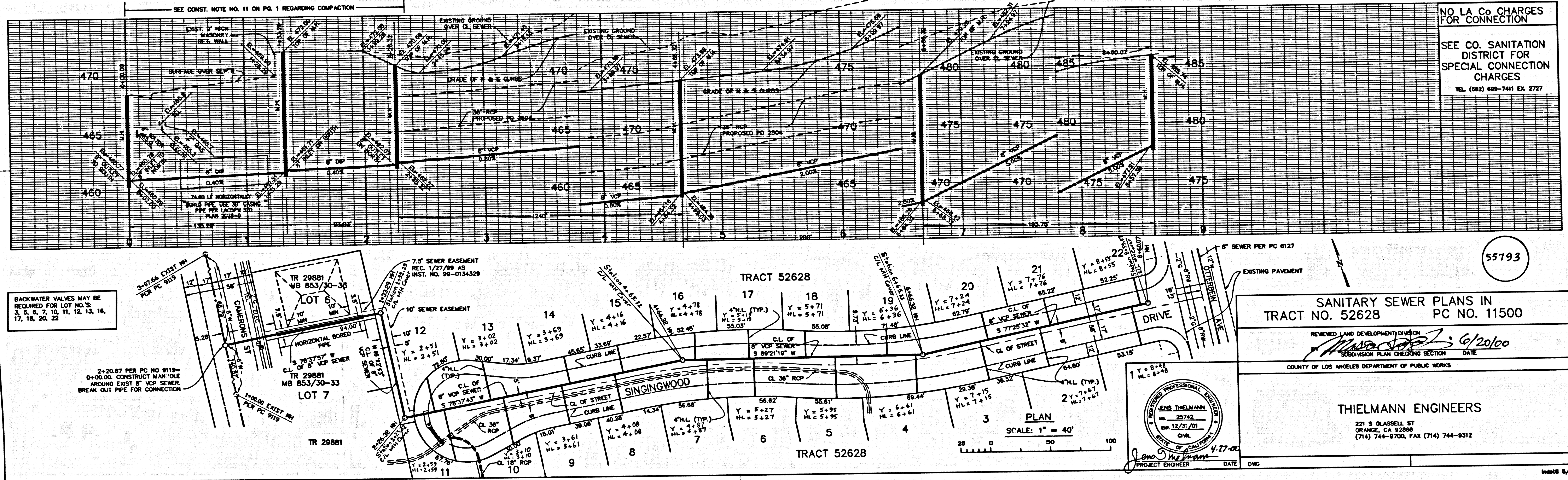
HARRY W. STONE DIRECTOR OF PUBLIC WORKS
 APPROVED, LAND DEVELOPMENT DIVISION
 BY *Donald D. O'Connell* 6-21-00
 ASSISTANT DIVISION ENGINEER DATE
 SUBMITTED BY *Jim Thielmann* 6-20-00
 SUBDIVISION PLAN CHECKING SECTION DATE

55792

APPROVED: COUNTY SANITATION DISTRICT
 OF LOS ANGELES CALIF.
 CHARLES W. CANNY - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 21
 BY *Charles W. Canny* DATE: 6/24/00
 JUSTICE CLERK

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

THE EXTENSIVE 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 1-800-422-4132 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL THE RAY COMPANY OF GENERAL TELEPHONE COMPANY AT 1-800-548-4878 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 BY *Jim Thielmann* 25742 DATE: 6-27-00
 R.E.E. DATE



P.C. 11500 PAGE 2

NO LA Co CHARGES FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (818) 969-7411 EX. 2727

BACKWATER VALVES MAY BE REQUIRED FOR LOT NOS. 3, 5, 6, 7, 10, 11, 12, 13, 16, 17, 18, 20, 22

2'-20.87 PER PC NO. 9119-04-00.00. CONSTRUCT MANHOLE AROUND EAST OF V.C.P. SEWER BREAK OUT PIPE FOR CONNECTION

55793

REVIEWED LAND DEVELOPMENT DIVISION
 BY *Donald D. O'Connell* 6/20/00
 SUBDIVISION PLAN CHECKING SECTION DATE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

THIELMANN ENGINEERS
 221 S. OLAVELL ST.
 ORANGE, CA 92668
 (714) 744-8700, FAX (714) 744-8312

