

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN PARCEL MAP NO. 69123 PC NO. 12182 INDEX E-2016 1 SHEETS: 2 PAGES COUNTY OF LOS ANGELES, CALIFORNIA

GAIL FARBER DIRECTOR OF PUBLIC WORKS

APPROVED BY LAND DEVELOPMENT DIVISION

BY: [Signature] 5/19/15 ASSISTANT DIVISION ENGINEER DATE

SUBMITTED: [Signature] 5/19/15 BY: SEWER AND WATER/LANDSCAPING SECTION DATE

COUNTY SANITATION DISTRICT NO. 15 OF LOS ANGELES, CALIFORNIA GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: [Signature] DATE: 6-4-2015 OFFICE ENGINEER

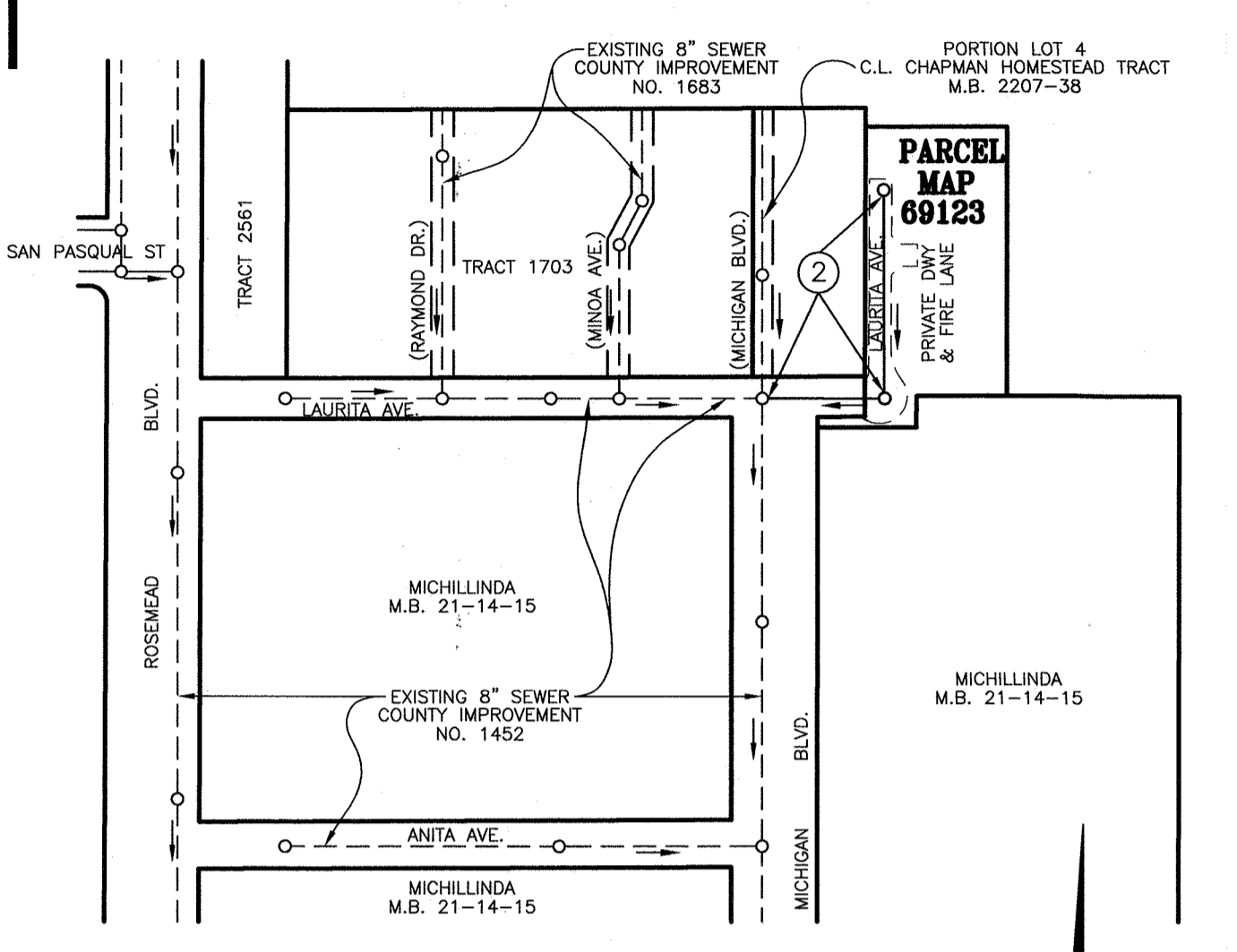
PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES 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 CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

[Signature] 5/15/15 R.C.E. NO 21649 DATE

SCALE: VERT: 1"= 8' HORIZ: 1"=40' NO L.A. CO. CHARGES FOR CONNECTIONS SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 908-4288 X-2727

BENCH MARK: G 4538 NGVD 1969 CSBM MON IN END CB 11M W/O BCR @ NW COR CALIFORNIA BLVD. AND MICHILLINDA AVE. 27M W & 12M N/O C/L INT MKD (BM 20-7A 1969) ELEV. 562.226 FEET 171.356 METER



INDEX MAP E-2016 SCALE: 1" = 200'

BUILDING AND SAFETY OFFICE: SAN GABRIEL P.C. 12182 PARCEL MAP NO. 69123 THOMAS GUIDE PG. NO. 566-H5 NOTE: NUMBERS IN CIRCLES INDICATE PAGE NUMBERS

Table with 5 columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. It is currently empty.

STORMWATER POLLUTION PLAN NOTES

- A. NOTES: 1. Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind. 2. Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water. 3. 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. 4. 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 at an approved concrete recycling facility. 5. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind. 6. Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways 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. 7. Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water. 8. The following BMPs as outlined in, but not limited to, the "Best Management Practice Handbook, California Stormwater Quality Task Force, Sacramento, California, 2003", or the latest revised edition, may apply during the construction of this project (Additional measures may be required if deemed appropriate by county inspectors):

EROSION CONTROL

- EC-1 Scheduling of Existing Vegetation
EC-2 Preservation of Existing Vegetation
EC-3 Hydraulic Mulch
EC-4 Hydroseeding
EC-5 Soil Binders
EC-6 Straw Mulch
EC-7 Geotextiles and Mats
EC-8 Wood Mulching
EC-9 Earth Dikes and Drainage Swales
EC-10 Velocity Dissipation Swales
EC-11 Slope Drains
EC-12 Streambank Stabilization
EC-13 Polycrystalline

TEMPORARY SEDIMENT CONTROL

- SE-1 Silt Fence
SE-2 Sediment Basin
SE-3 Sediment Trap
SE-4 Check Dams
SE-5 Fiber Rolls
SE-6 Gravel Bag Barr
SE-7 Street Sweeping and Vacuuming
SE-8 Sandbag Barrier
SE-9 Straw Bale Barrier
SE-10 Storm Drain Inlet Protection
SE-11 Chemical Treatment

WIND EROSION CONTROL

- WE-1 Wind Erosion Control

B. STANDARD PLANS:

- LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS 2000-0 Legend for sanitary sewer plans and profiles and district maps. 2021-1 Bedding for sewer pipe. 2023-2 Grading and encasement. 2027-1 Allowable trench widths. 6008-1 Minimum public safety requirements.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)

- 207-2 Precast reinforced concrete manhole base
208-2 Breaking into existing manholes
210-3 Manhole frame and cover locking type
221-2 Pipe anchors and backfill stabilizers
222-2 House connection sewer

COUNTY SANITATION DISTRICTS (CSD) NOTES:

- 1- No connection for the 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 County Sanitation Districts for said connection. 2- Prior to final acceptance of the project, notify the CSD superintendent of maintenance at (310) 638-1161 to report completion of construction of this local sewer that indirectly connects to the CSD sewer system.

NOTE:

Any damage to the sewer line shall be the responsibility of the contractor/owner. All grading and construction occurring over and the vicinity of the existing sewer shall be performed in the presence of a County Inspector. Where applicable, the sewers shall be protected per Std. Plan 2023-2 at storm drain crossings.

PRIVATE CONTRACT SEWER GENERAL NOTES

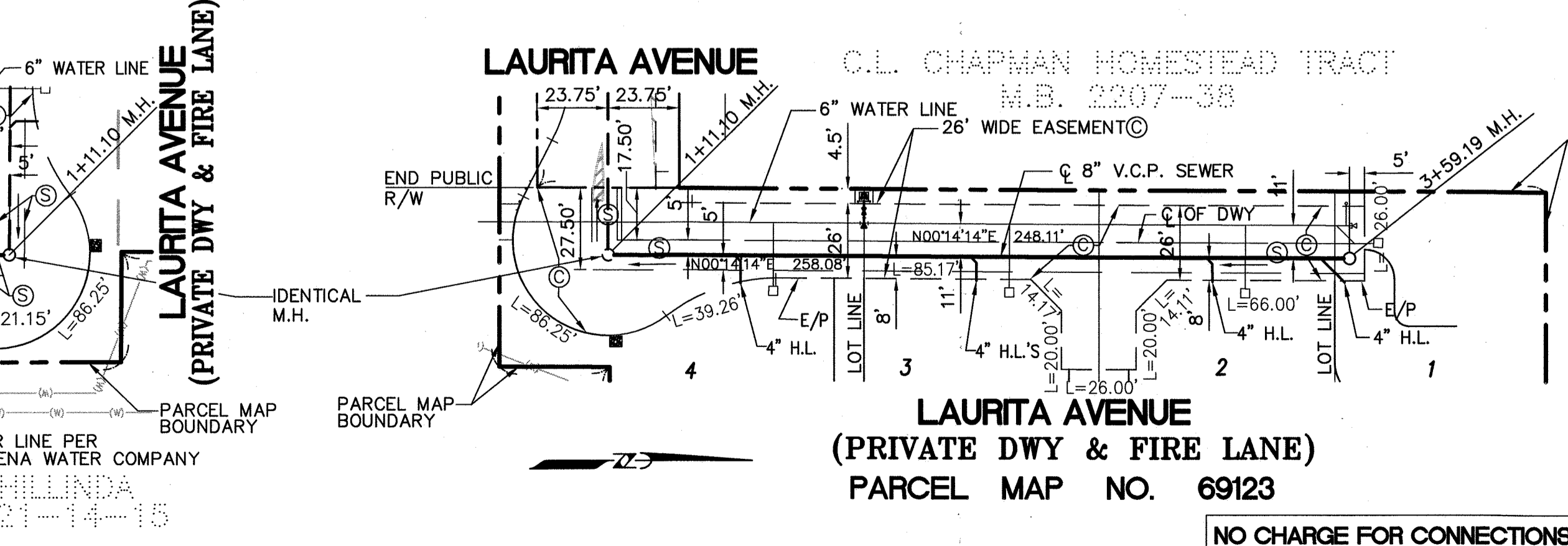
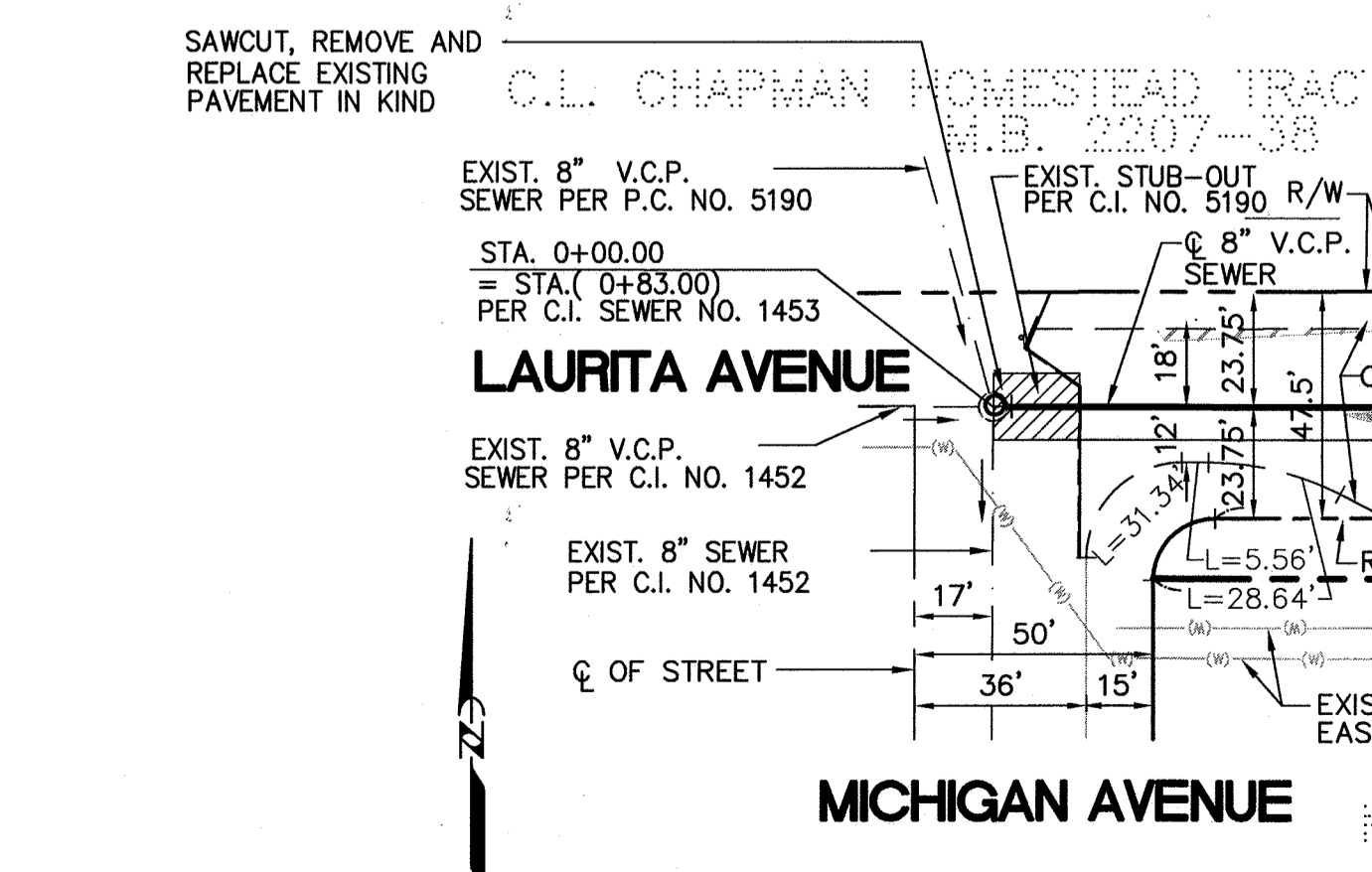
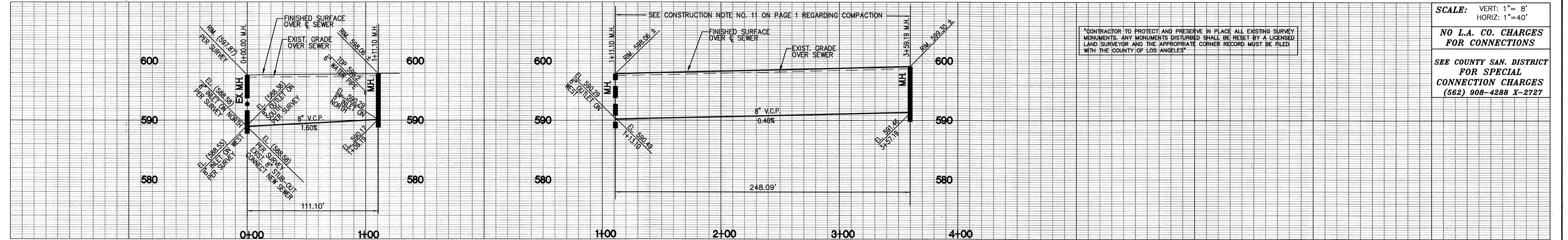
- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans: 1. A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the County of Los Angeles Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Root Excavation, Caltrans, 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. The County of Los Angeles Department of Public Works shall be notified 30 days prior to cancellation of the insurance 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 Department of Public Works 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 pages. 7. All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction", including supplements (if there is any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction" and the latest "Special Provisions for the Construction of Sanitary Sewer" and shall be prosecuted only in the presence of the County of Los Angeles 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 Requirement" as shown on Los Angeles Department of Public Works standard plan 6008-1. 9. Elevations are in feet above U.S.C. & G.S. sea level datum of 1988. 10. No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works. 11. No representative of the County of Los Angeles 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 said designed points. The grade shall be established so as to conform to a straight line drawn between said design points. 13. The private engineer shall furnish the County of Los Angeles 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 line 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. 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. 15. An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole. 16. Contact Environmental Programs Division for industrial waste discharge permit @ (626) 458-3517

CONSTRUCTION NOTES

- 1. Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole. 2. Vitrified clay pipe joints shall be type "D" or "G" per "Standard Specifications for Public Works Construction" Section 208-2. 3. If a pipe is within three feet of the sewer, the sewer shall be encased per LACDPW standard plan 2023-2, Case II, two feet on each side from the point of interference. 4. 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 for Public Works Construction" Section 208-2. 5. House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted. 6. Wee or tee branches may be used for connections to the mainline sewers except as noted. 7. If during the course of construction, it is determined that there is less than four feet of cover over the top of a mainline or house lateral V.C.P. sewer which is not indicated on the plans, the pipes shall be encased per LACDPW standard plan 2023-2, Case II. 8. All structures shall be either brick sewer manholes per LACDPW standard plan S-3 (SPPWC 203-2), or precast concrete sewer manholes per LACDPW standard plan S-36 (SPPWC 200-3), or reinforced precast concrete manhole per LACDPW standard plan 2003-2, except as noted. 9. Resurface all trenches within paved areas to meet Department of Public Works or California State Highway requirements in accordance with the permits. 10. Full compliance with Section 306-1.3 of the "Standard Specifications for Public Works Construction" will be required for backfill in street. Certification of backfill, compaction, and sand equivalents by a qualified civil engineer shall be provided by the permittee prior to the issuance of a certificate of partial acceptance. 11. 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. 12. Manhole tops in unimproved rights of way to be six inches above finished grade. 13. Sewers to be tested for leakage per section 306-1.4 of the "Standard Specifications for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer" if applicable. 14. Manhole tops in improved rights of way to be level with finished grade. 15. All wyes and/or house laterals are to be located at least 5' apart and when possible not closer than 5' to any manhole. 16. All pipe materials shall be extra strength vitrified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works. 17. All sanitary sewer pipe joints shall be mechanical compression joints. 18. All Ductile Iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.

NOTICE TO CONTRACTOR:

MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION. SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY



EASEMENT NOTES: (C) EASEMENT TO THE COUNTY OF LOS ANGELES FOR INGRESS AND EGRESS PURPOSES (S) 10-FOOT-WIDE EASEMENT TO THE COUNTY OF LOS ANGELES FOR SANITARY SEWER PURPOSES



SANITARY SEWER PLANS IN PARCEL MAP NO. 69123 P.C. NO. 12182. LDC LAND DESIGN CONSULTANTS, INC. 2700 East Foothill Boulevard, Suite 200 Pasadena, Ca 91107 (626) 578-7000. DATE: 5/15/15 R.C.E. 21649 PROJECT NO. 97034-010 DWG

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