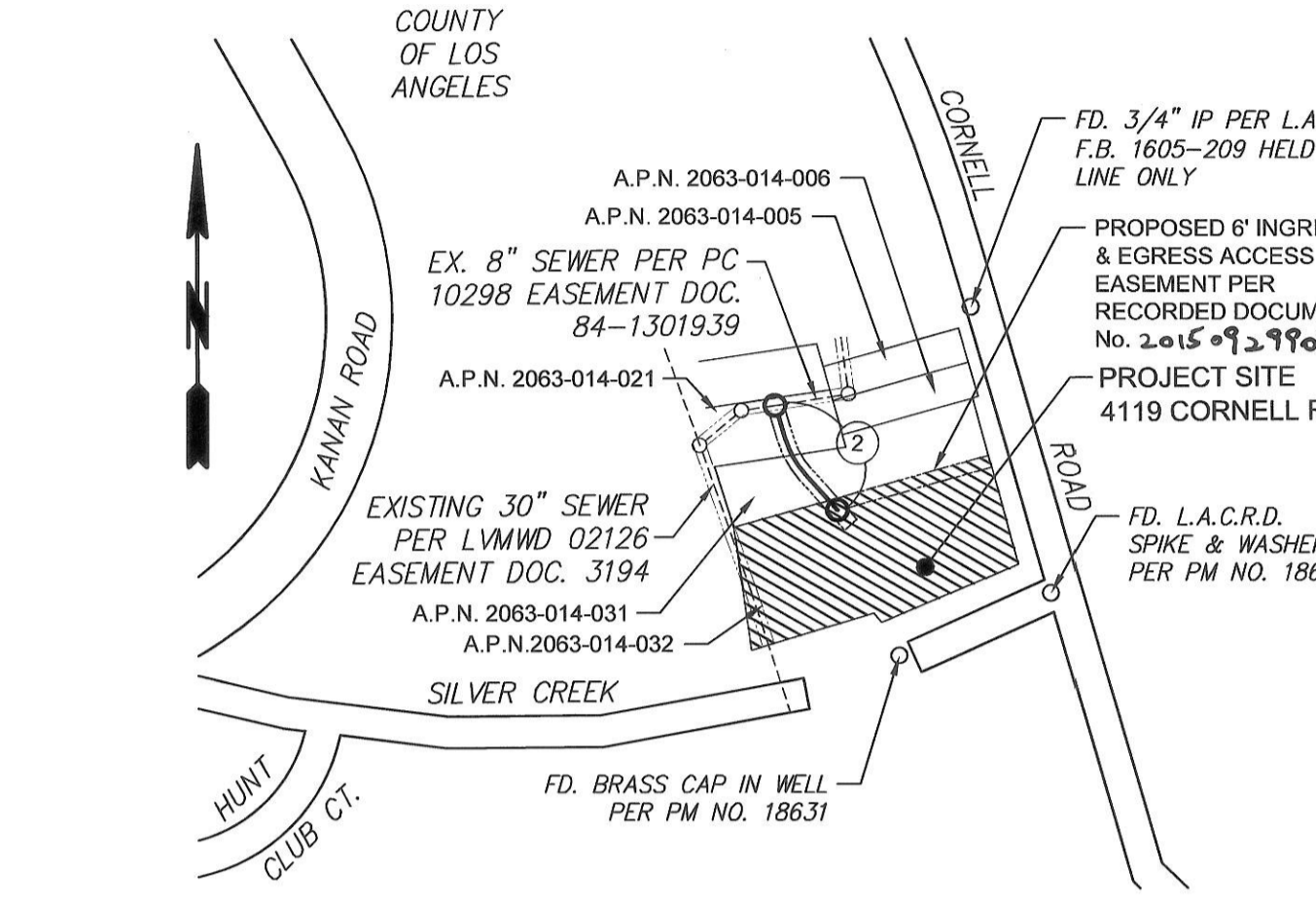


PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN 275' NORTH OF SILVER CREEK ROAD AND CORNELL ROAD PC NO. 12252 1 SHEETS: 2 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSMD INDEX N-1091 B3

GAIL FARMER LA COUNTY DIRECTOR OF PUBLIC WORKS APPROVED BY LAND DEVELOPMENT DIVISION DATE 8/3/15 ASSISTANT DIVISION ENGINEER

LAS VIRGENES MUNICIPAL WATER DISTRICT APPROVED BY JOHN B. OFFICE ENGINEER DATE 8/4/15

BENCH MARKS BM Malibu Y12359 Elev. 810.01' 810.008 LADPW TAG IN SWLY COR CONC BASE OF DAMAGED CSBM MON 246.891 0.5FT UP @ NW COR CORNELL RD & SILVER CREEK RD QUAD 2008



BUILDING AND SAFETY DISTRICT OFFICE: CALABASAS/MALIBU SCALE: 1" = 300' CSMD INDEX N-1091 B3 275' NORTH OF SILVER CREEK ROAD AND CORNELL ROAD P.C. 12252 TR. NO. ROAD AND CORNELL ROAD THOMAS GUIDE PAGE: PAGE 558, GRID A7

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

- STORMWATER POLLUTION PLAN NOTES
1. Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
2. Eroded sediments and other pollutants must be retained on-site and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.
3. Stockpiles of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
4. 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.
5. 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.
6. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
7. 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.
8. Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
9. The following BMPs as outlined in, but not limited to, the latest edition of the California BMP Handbook (Construction) or Caltrans Stormwater Quality Handbooks (Construction Site BMP Manual), may apply during the construction of this project (additional measures may be required if deemed appropriate by the Project Engineer or the Building Official)

- EROSION CONTROL
E01 SCHEDULING
E02 PRESERVATION OF EXISTING VEGETATION
E03 HYDRAULIC MULCH
E04 HYDROSEEDING
E05 SOIL BINDERS
E06 STRAW MULCH
E07 GEOTEXTILES & MATS
E08 WOOD MULCHING
E09 EARTH BARRIERS AND DRAINAGE SWALES
E10 VELOCITY DISPERSION DEVICES
E11 SLOPE DRAINS
E12 STREAMBANK STABILIZATION
E13 RESERVED
E14 COMPOST BLANKETS
E15 SOIL PREPARATION/ROUGHENING
E16 NON-VEGETATED STABILIZATION
E17 WIND EROSION CONTROL
E18 WIND EROSION CONTROL
E19 EQUIPMENT TRACKING CONTROL
E20 STABILIZED CONSTRUCTION ENTRANCE EXIT
E21 STABILIZED CONSTRUCTION ROADWAY
E22 ENTRANCE/OUTLET TIRE WASH

- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
200-3 Precast concrete sewer manhole
207-2 Precast reinforced concrete manhole base
208-2 Breaking into existing manholes
210-3 Manhole frame and cover locking type
220-3 Chimneys
2021-1 Bedding for sewer pipe
2023-2 C bedding and TEE support
2024-1 WYE or TEE support
2026-1 Erosion protection in steep slopes
2027-1 Allowable trench widths
6008-1 Minimum public safety requirements
2100-1 Requirement's for sanitary sewers near water mains
221-2 Pipe anchors and backfill stabilizers
222-2 House connection sewer
223-2 House connection remodeling
225-2 Blanket protection for pipes

COUNTY SANITATION DISTRICT (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 connections.
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.

NOTES:
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 all significant 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, 500 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, Caltrans, etc., must be filed with the permit application.
2. When work is within a contract city, a sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the City. The contractor must contact the Director of Public Works of that City to determine the location to pay the inspection fees.
3. 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 Public Works shall be notified 30 days prior to cancellation of the insurance policy.
4. 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. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
5. 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 nonexistence of any underground utility pipe or structure within the limits of this project. This note applied to all pages.
6. All work shall be in accordance with the latest approved edition of the "Standard Specification 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 for Sanitary Sewer" and shall be prosecuted only in the presence of the County of Los Angeles Department of Public Works.
7. The contractor's attention is directed to Section 7-10.4.1 of the "Standard Specification for Public Works Construction" in regard to safety orders and shall conform to the "Minimum Public Safety Requirement" as shown on County of Los Angeles Department of Public Works Standard Plan No. 6008-1.
8. Elevations are in feet above U.S.C. and G.S. sea level datum of 1988.
9. No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
10. No representative of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
11. Grades to which this improvement is to be constructed are shown on plans and profiles. Grade point for top of curb, centerline of streets, or centerline of alleys, is 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.
12. The private engineer shall furnish the County of Los Angeles Department of Public Works with grade sheets and stationing for all house laterals and any "L" manholes 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.
13. 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.
14. An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
15. Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 488-3517.

- WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL
WM1 MATERIAL DELIVERY AND STORAGE
WM2 MATERIAL USE
WM3 STOCKPILE MANAGEMENT
WM4 SPILL PREVENTION AND CONTROL
WM5 SOLID WASTE MANAGEMENT
WM6 HAZARDOUS WASTE MANAGEMENT
WM7 CONTAMINATION SOIL MANAGEMENT
WM8 CONCRETE WASTE MANAGEMENT
WM9 SANITARY/SEPTIC WASTE MANAGEMENT
WM10 LIQUID WASTE MANAGEMENT
TEMPORARY SEDIMENT CONTROL
SET SILT FENCE
SE2 SEDIMENT BASIN
SE3 SEDIMENT TRAP
SE4 CHECK DAM
SE5 FIBER ROLLS
SE6 GRAVEL BAG BERM
SE7 STREET SWEEPING AND VACUUMING
SE8 SAND/BAG BARRIER
SE9 STRAW BALE BARRIER
SE10 STORM DRAIN INLET PROTECTION
SE11 ACTIVE TREATMENT SYSTEMS
SE12 TEMPORARY SILT DIKE
SE13 COMPOST SOCKS & BERMS
SE14 BIOPILER BAGS

- 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. Verified clay pipe joints shall be type "D" or "C" per "Standard Specifications for Public Works Construction" Section 209-2.
3. If a power pole 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 verified 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. Wye 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 manhole 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, unless otherwise approved by the County of Los Angeles Department of Public Works.
8. All structures shall be either brick sewer manholes per LACDPW Standard Plan S-3 (SPPWC 203-1), or precast concrete sewer manholes per LACDPW Standard Plan S-36 (SPPWC 200-3), or reinforced precast 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 percent of the maximum density as determined by ASTM Soil Compaction Test D 1557-76, Method "D", unless otherwise specified. This shall be certified by a qualified Civil Engineer. This certification shall be submitted to the Land Development Division, Permit Section of the County of Los Angeles Department of Public Works prior to the acceptance of the work by the private engineer.
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 Specification 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 feet apart, and when possible, not closer than 5 feet to any manhole.
16. All pipe materials shall be verified 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 to be in compliance with NPDES - MS4 permit.
18. All ductile iron pipe shall be lined with Proteco 401 Ceramic Epoxy Resin.
19. Cured in place pipe liner shall be used for all extra verified clay pipe if lining is required.

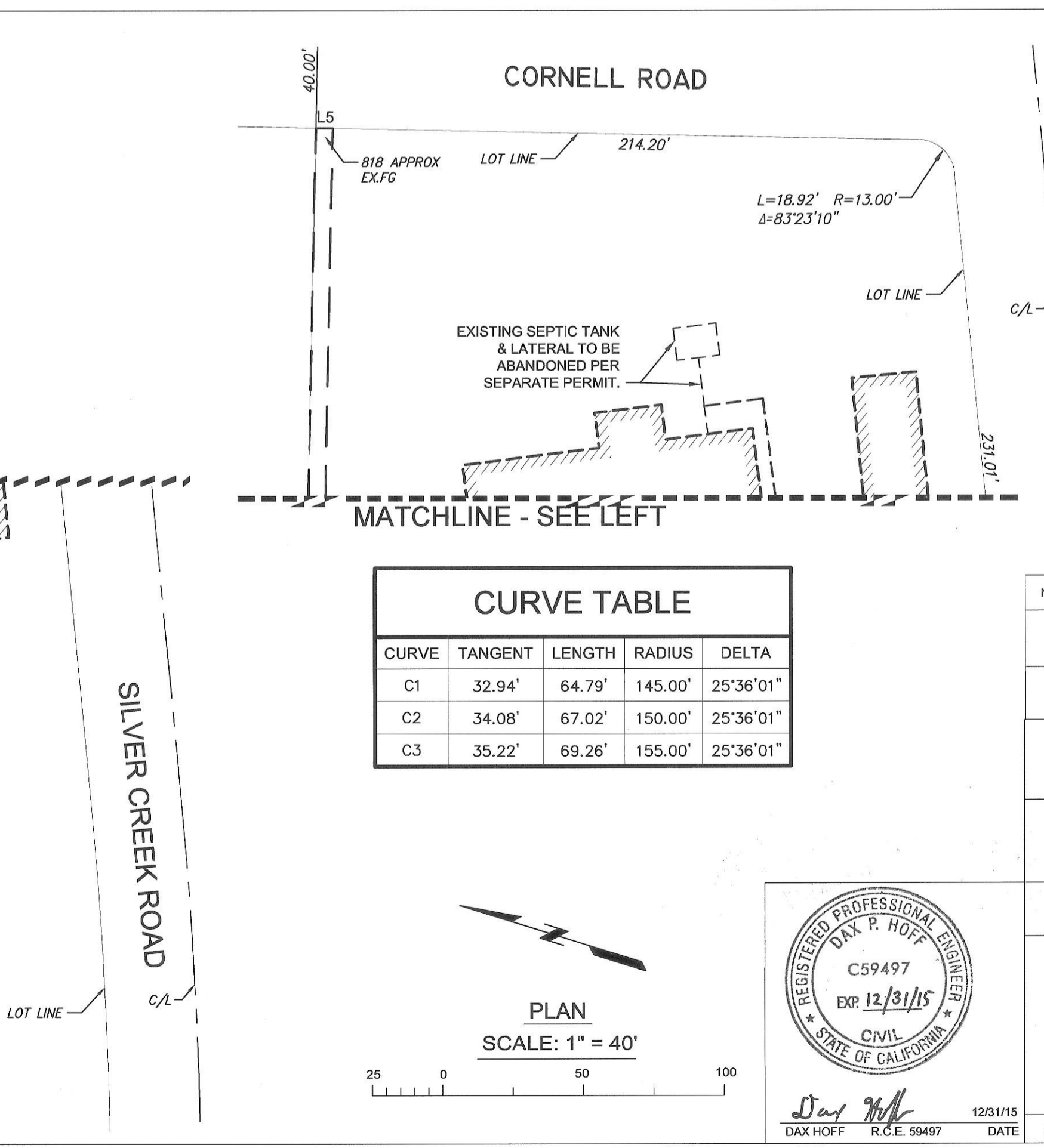
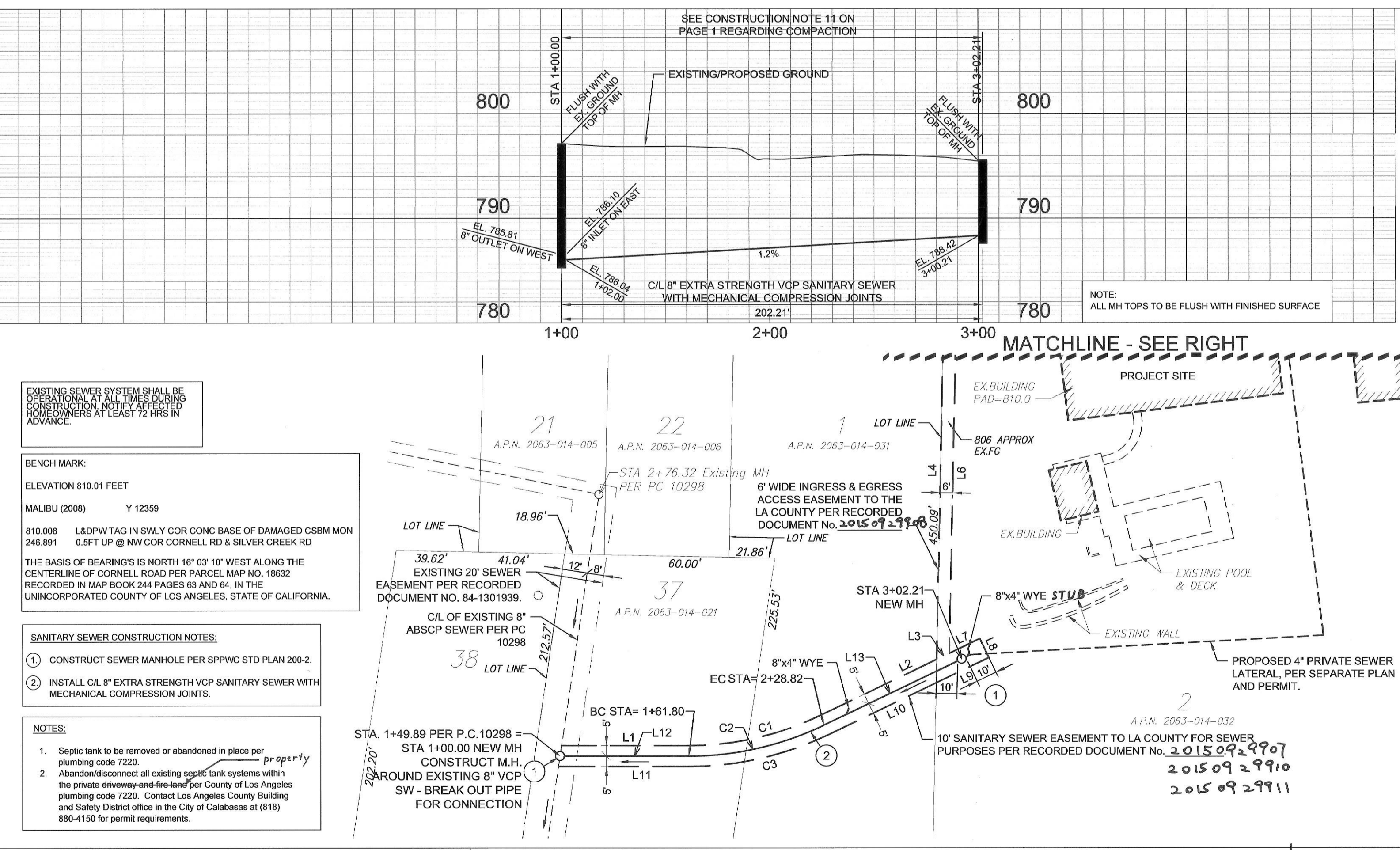
NOTICE TO CONTRACTOR:
1. The developer shall be responsible for the continued maintenance of PC12252 sanitary sewer until the County formally accepts it for maintenance. All manholes, manholes and laterals shall be protected from damage and infiltration.
2. MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.
3. SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (85%) AND COMPLETED FIELD ACCEPTANCE (95%). AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.
4. SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

*CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENT. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY OF LOS ANGELES.

SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS
I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION OF THEIR LOCATION IN ACCORDANCE WITH SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO IDENTIFY EXISTING MONUMENTS, SHALL SET SUFFICIENT CONTROLLING, WITNESS, AND PERMANENT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.



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 1-800-424-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4870 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
Dax Hoff 59497 7/30/15
PROJECT ENGINEER RCE NO DATE



LINE TABLE
Table with 3 columns: LINE, LENGTH, BEARING. Lists 13 line segments with their respective lengths and bearings.

CURVE TABLE
Table with 5 columns: CURVE, TANGENT, LENGTH, RADIUS, DELTA. Lists 3 curve segments with their geometric data.

COLLECT CHARGES AS INDICATED
SEE LVMWD FOR SPECIAL CONNECTION CHARGES
TEL: (818) 251-2100
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE

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

SANITARY SEWER PLANS IN 275' N. OF SILVER CREEK RD. AND CORNELL RD. PC NO. 12252
REVIEWED BY LAND DEVELOPMENT DIVISION
BY [Signature] DATE 8/3/2015
FINAL MAPS, SEWER AND LANDSCAPING / SUBDIVISION PLAN CHECKING
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
DAX CONSULTING INC.
23679 Calabasas Road, Suite 995
Calabasas, CA 91302
(310) 598-8157
DAX HOFF R.C.E. 59497 DATE 12/31/15 DWG

