

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN 366 FT WEST OF AVE. M-2 AND 50TH ST. W. PC NO. 12256 1 SHEETS: 2 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSMD INDEX N-1775

GAIL FARMER LA COUNTY DIRECTOR OF PUBLIC WORKS APPROVED BY LAND DEVELOPMENT DIVISION BY [Signature] ASSISTANT DIVISION ENGINEER DATE 6/23/16 SUBMITTED [Signature] DATE 6/23/16 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY SANITATION DISTRICT NO. 14 OF LOS ANGELES COUNTY, CALIFORNIA GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER APPROVED BY [Signature] OFFICE ENGINEER DATE 6/23/16 ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN THE 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 91771 OF THE BUSINESS AND PROFESSIONS CODE...



PROJECT ENGINEER RCE NO. C36079 DATE 6/23/16

- PRIVATE CONTRACT SEWER GENERAL NOTES: 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, 300 South Fremont Avenue, 12th Floor, Alhambra, at least 72 hours prior to starting work under this permit. 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 operations and releases 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 or both as applicable. The County of Los Angeles Department 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. 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 the existence or nonexistence 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 for 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 Requirements" as shown on County of Los Angeles Department of Public Works Form No. 6068-1. 9. Elevations are in feet above U.S.C. and 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 layout any portion of the work. 12. 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. 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" and "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. The contractor shall be responsible for the location of all house laterals. 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 pipe is lower in elevation than the top of the next upstream manhole. 16. Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (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 paper pipe is within three feet of the sewer, the sewer shall be encased, per LADCPW 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" 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 mainline or house lateral V.C.P. sewer, which is not indicated on the plans, the pipes shall be encased per LADCPW Standard Plan 2023-2, Case I, unless otherwise approved by the County of Los Angeles Department of Public Works. 8. All structures shall be either brick sewer manholes per LADCPW Standard Plan S-3 (SPPWC 203-1), or precast concrete sewer manholes per LADCPW Standard Plan S-36 (SPPWC 200-3), or reinforced precast manhole per LADCPW Standard Plan 2003-2, except as noted. 9. Resurface all trenches within paved areas to meet Department of Public Work 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. Identification of backfill, compaction, and seal equivalents by a qualified Civil Engineer shall be provided by the permittee prior to the issuance of a Certificate of Final 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 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 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 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 pipes joints shall be mechanical compression joints. 18. All ductile iron pipe shall be lined with Protecto 401 Ceramic Epoxy Lining. 19. Cured in place pipe liner shall be used for all extra strength vitrified clay pipe if lining is required.

All sanitary sewer manhole shafts and frames shall be watertight.

- NOTICE TO CONTRACTOR: 1. The developer shall be responsible for the continued maintenance of PC12256 sanitary sewer until the County formally accepts it for maintenance. All manhole, 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 (98%) AND COMPLETED FIELD ACCEPTANCE (98%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE. 4. SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

ANNEXATION NO. 14-0420

PS007679

- 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 forces 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 may not be washed down in 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 discharges 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: EC1 SCHEDULING, EC2 PRESERVATION OF EXISTING VEGETATION, EC3 HYDRAULIC MULCH, EC4 HYDROSEEDING, EC5 SOIL BINDERS, EC6 STRAW MULCH, EC7 GEOTEXTILES & MATS, EC8 WOOD MULCHING, EC9 EARTH DICES AND DRAINAGE SWALES, EC10 VELOCITY DISSIPATION DEVICES, EC11 SLOPE DRAINS, EC12 STREAMBANK STABILIZATION, EC13 RESERVED, EC14 COMPOST BLANKETS, EC15 SOIL PREPARATION/ROUGHENING, EC16 NON-VEGETATED STABILIZATION. NON-STORM WATER MANAGEMENT: NS1 WATER CONSERVATION PRACTICES, NS2 DETERIORATING OPERATIONS, NS3 PAVING AND GRINDING OPERATIONS, NS4 TEMPORARY STREAM CROSSING, NS5 CLEAR WATER DIVERSION, NS6 ILLICIT CONNECTIONS/CHARGE, NS7 POTABLE WATER IRRIGATION, NS8 VEHICLE AND EQUIPMENT CLEANING, NS9 VEHICLE AND EQUIPMENT FUELING, NS10 VEHICLE AND EQUIPMENT MAINTENANCE, NS11 FUEL DRIVING OPERATIONS, NS12 CONCRETE CURING, NS13 CONCRETE FINISHING, NS14 MATERIAL AND EQUIPMENT USE, NS15 DEMOLITION ADJACENT TO WATER, NS16 TEMPORARY BATCH PLANTS. 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 SILENCE MANAGEMENT, WM8 CONCRETE WASTE MANAGEMENT, WM9 SANITARY/SEPTIC WASTE MANAGEMENT, WM10 LIQUID WASTE MANAGEMENT. TEMPORARY SEDIMENT CONTROL: SE1 SILT FENCE, SE2 SEDIMENT BASIN, SE3 SEDIMENT TRAP, SE4 CHECK DAM, SE5 FIBER ROLLS, SE6 GRAVEL BAG BERM, SE7 STREET SWEEPING AND VACUUMING, SE8 SANDBAG BARRIER, SE9 STRAW BALE BARRIER, SE10 STORM DRAIN INLET PROTECTION, SE11 ACTIVE TREATMENT SYSTEMS, SE12 TEMPORARY SILT DWE, SE13 COMPOST SOCKS & BERMS, SE14 BIOFILTER BAGS. WIND EROSION CONTROL: WE1 WIND EROSION CONTROL. EQUIPMENT TRACKING CONTROL: TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT, TC2 STABILIZED CONSTRUCTION ROADWAY, TC3 ENTRANCE/OUTLET TIRE WASH. LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS: 2001-4 Bedding for sewer pipe, 2002-1 Cradling and encasement, 2002-1 WYE or TEE support, 2003-2 Erosion protection in steep slopes, 2004-1 Allowable trench widths, 2005-1 Minimum public safety requirements, 2008-1 Requirements for sanitary sewers near water mains, 2009-2 Pipe anchors and backfill stabilizers, 2009-2 House connection sewer, 2009-2 House connection remodeling, 2009-2 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 (661) 257-4809 to report completion of construction of this local sewer that interface with the CSD sewer system.

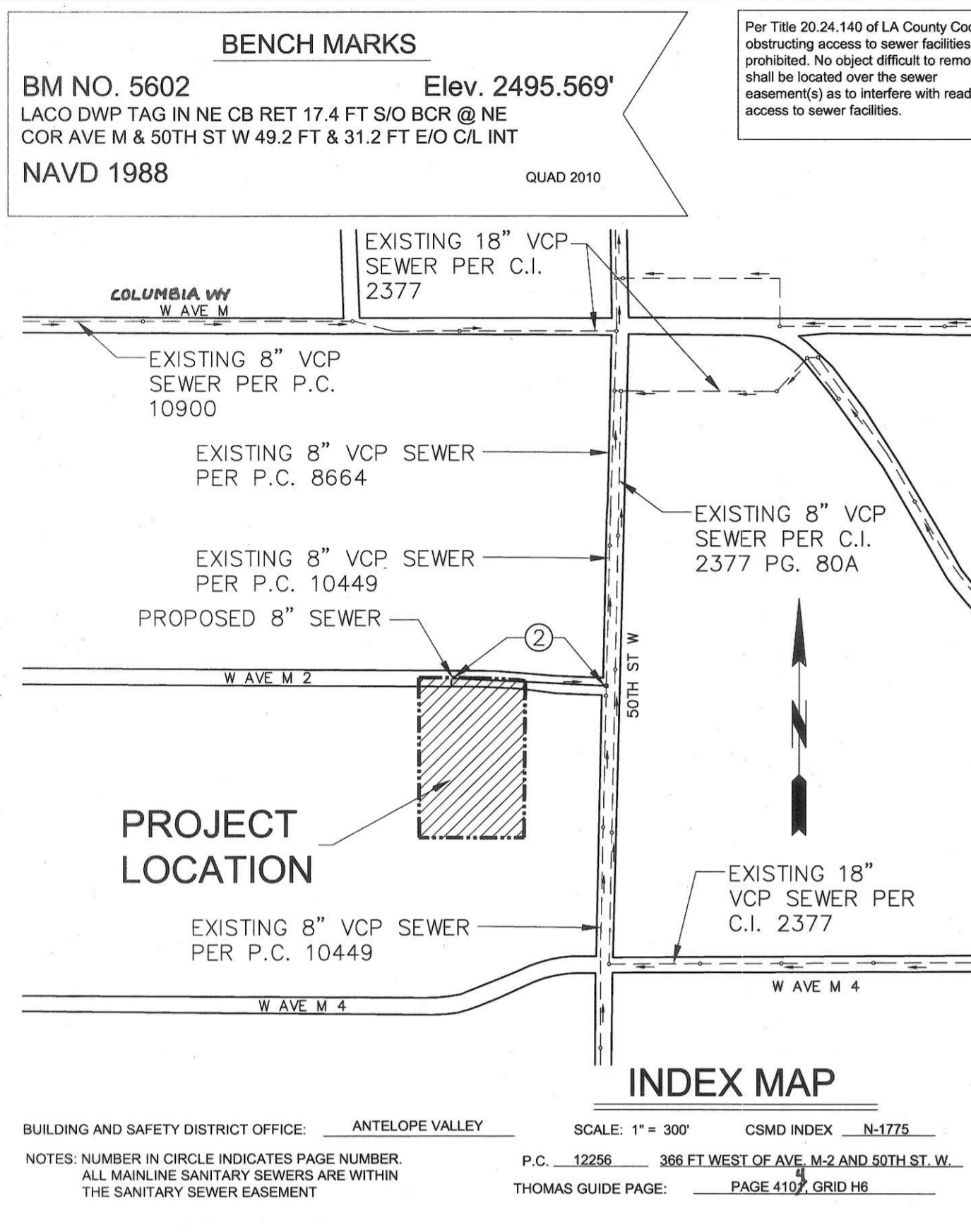
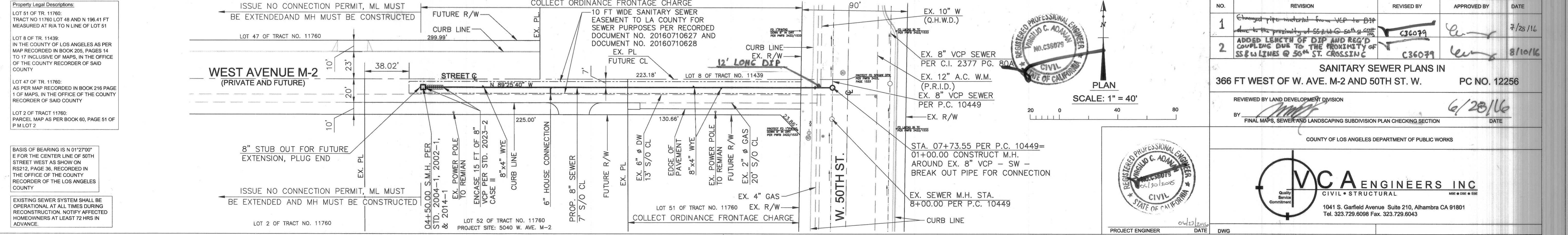
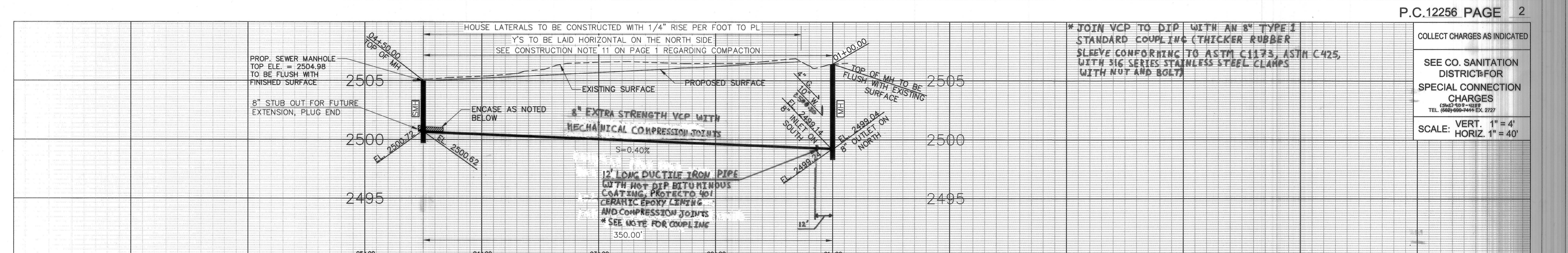


Table with columns: REVISION, REVISED BY, APPROVED BY, DATE. Includes building and safety district office information for Antelope Valley.



Revision table with columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. Shows two revisions to the drawing.

Professional Engineer Seal for Gail Farmer, State of California, License No. 61234. Includes project information and date 6/23/16.