

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN 5500 N. CERRITOS AVENUE, AZUSA, CA 91702, PC NO. 12380 1 SHEETS: 2 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSMD INDEX 2299

MARK PESTRELLA LA COUNTY DIRECTOR OF PUBLIC WORKS APPROVED BY LAND DEVELOPMENT DIVISION 7/19/17 BY ASSISTANT DIVISION ENGINEER DATE 7/19/17 SUBMITTED BY DATE 7/19/17 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

CITY OF AZUSA APPROVAL APPROVED BY DANIEL BOBADILLA CITY ENGINEER 7/19/17 PRINT NAME RCE DATE

COUNTY SANITATION DISTRICT NO. 22 OF LOS ANGELES COUNTY, CALIFORNIA GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER APPROVED BY DATE 7/20/17 OFFICE ENGINEER

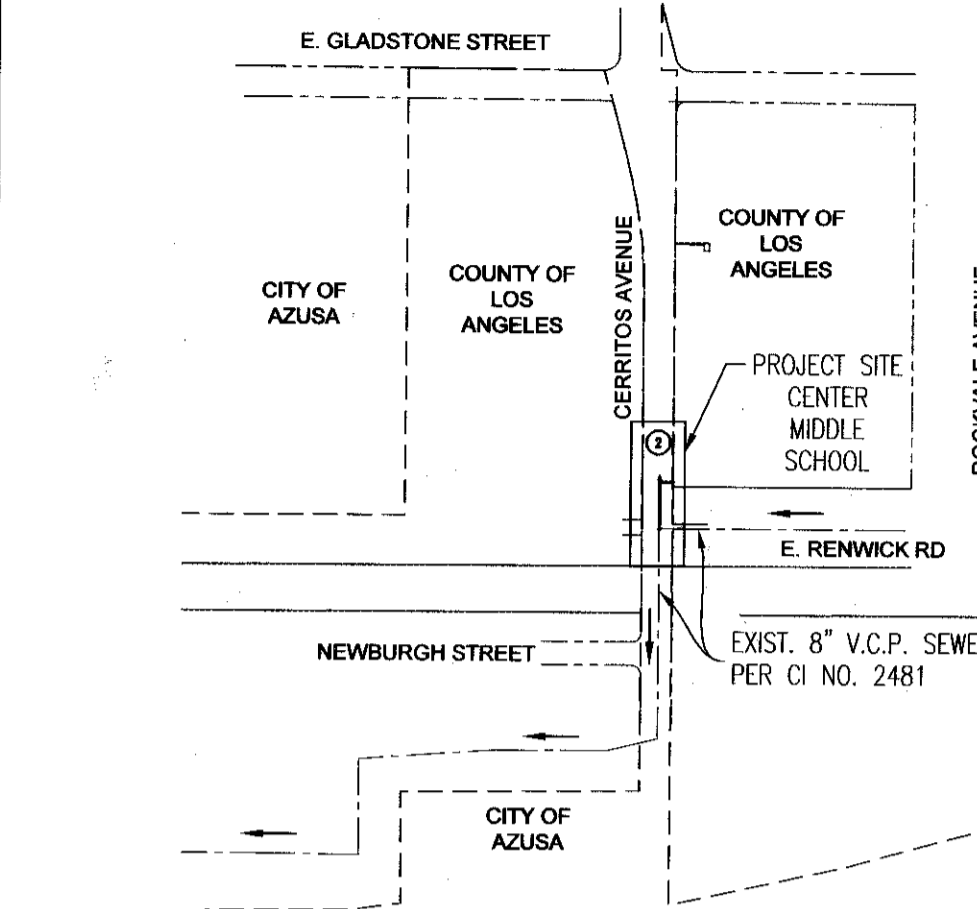
CITY OF AZUSA APPROVAL TRACT/PARCEL/ADDRESS 5500 N. CERRITOS AVENUE, AZUSA, CA 91702 PC NO. CITY OF AZUSA DISCHARGE OUTLET APPROVED WE APPROVE THIS SEWER AREA STUDY PLAN AND CONCUR WITH THE FOLLOWING FINDINGS WITHIN THE CITY NO MITIGATION WITH MITIGATION APPROVED BY CITY ENGINEER 68495 DATE 7/19/17

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 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY DUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

Engineer's/Surveyor's Statement Regarding the Presence of Monuments with 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 monuments to identify existing monuments; and shall file the requisite correct record or record of survey with the State of California.

PS007689 P.C. 12380 PAGE 2

BENCH MARKS BM G4939 Elev. 591.425 L&BR IN S C B E END C. B. 75.5FT E/O BCR @ SE COR CITRUS AVE. & GLADSTONE ST QUAD 2005



SCALE: 1" = 500' CSMD INDEX 2299 12380 P.C. TR. NO. 19225 THOMAS GUIDE PAGE: TG 599, A2 BUILDING AND SAFETY DISTRICT OFFICE: SAN GABRIEL VALLEY

- 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. Erodible 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 may not 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 driven 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 California 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).

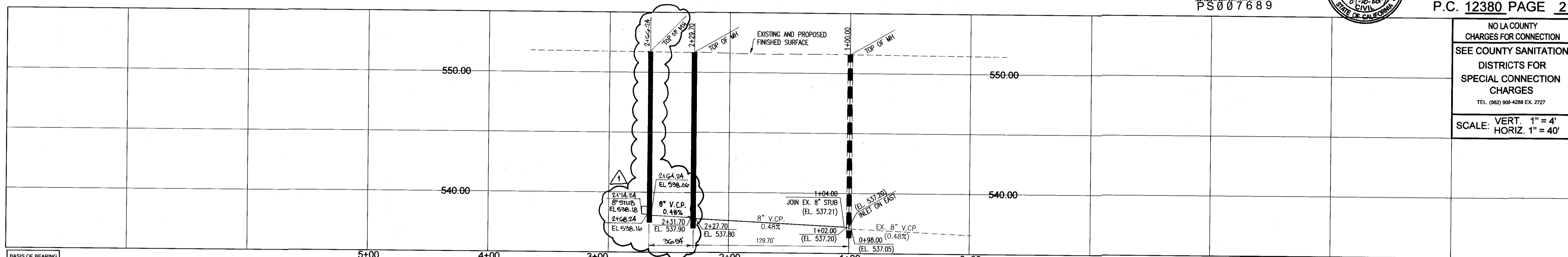
- EROSION CONTROL EC1 SCHEDULING EC2 PRESERVATION OF EXISTING VEGETATION EC3 HYDRAULIC MULCH EC4 HYDROSEEDING EC5 SOL BINDERS EC6 STRAW MULCH EC7 GEOTEXTILES & MATS EC8 WOOD MULCH EC9 EARTH DICES AND DRAINAGE SWALES EC10 VELOCITY DISSIPATION DEVICES EC11 PILE DRIVING OPERATIONS EC12 STREAMBANK STABILIZATION EC13 RESERVED EC14 COMPOST BLANKETS EC15 SOIL PREPARATION/ROUGHENING EC16 NON-VEGETATED STABILIZATION WIND EROSION CONTROL WE1 WIND EROSION CONTROL EQUIPMENT TRACKING CONTROL TC1 STABILIZED CONSTRUCTION ENTRANCE DIRT TC2 STABILIZED CONSTRUCTION ROADWAY TC3 ENTRANCE/OUTLET TIRE WASH 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 HAZARDOUS WASTE MANAGEMENT NS7 POTABLE WATER IRRIGATION NS8 VEHICLE AND EQUIPMENT CLEANING NS9 VEHICLE AND EQUIPMENT FUELING NS10 VEHICLE AND EQUIPMENT MAINTENANCE NS11 PILE 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 SOIL 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 CORRAL BAG BERM SE7 STREET SWEEPING AND VACUUMING SE8 SANDRAG BARRIER SE9 STRAINABLE BARRIER SE10 STORM DRAIN INLET PROTECTION SE11 ACTIVE TREATMENT SYSTEMS SE12 TEMPORARY SILT DIKE SE13 COMPOST SOCKS & BERMS SE14 BIOFILTER BAGS

- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) 2000-0 Precast Concrete Sewer Manhole 2000-1 Precast concrete shallow manhole. 2003-2 Reinforced precast concrete manhole. 2004-1 Rectangular shallow manhole. 2014-1 Rectangular manhole frame and cover. 2015-1 Standard manhole stop. 2021-1 Bedding for sewer pipe. 2023-2 Cracking and encasement. 2024-1 WYE or TEE support. 2028-1 Erosion protection in steep slopes. 2027-1 Allowable trench widths. 6008-1 Minimum public safety requirements. 2100-1 Requirement for sanitary sewers near water tables. Pipe anchors and backfill stabilizers House connection sewer House connection remodeling Blanket protection for pipes

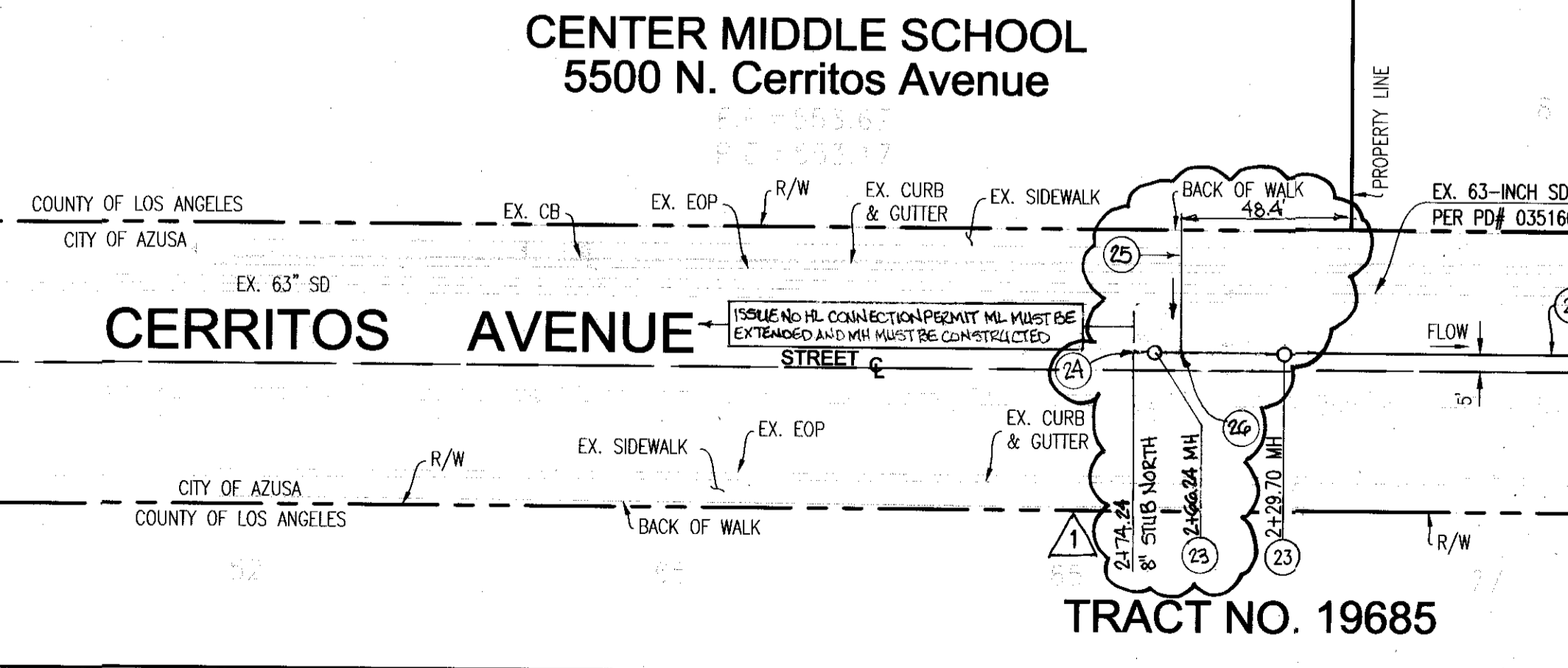
- COUNTY SANITATION DISTRICT (CSD) NOTES: 1. No connection for the disposal of industrial wastes shall be made to sewers shown on these drawings until a permit for industrial waste water discharge has been issued by the County Sanitation Districts for said connections. 2. Prior to final acceptance of the project, notify the CSD superintendent of the maintenance at (310) 638-1161 to report completion of this local sewer that indirectly discharges into 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, 900 South Fremont Avenue, 3rd 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 place the inspection pits. 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 Workers' Compensation Insurance with the Department of Public Works or the City of Azusa, named as the Certificate Holder or both as applicable. The County of Los Angeles Department of Public Works and/or the City of Azusa, 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 or the City of Azusa, 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 the project. This note applied 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 or the City of Azusa. 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 Standard Plan No. 6008-1. 9. Elevations are in feet above U.S.C. and G.S.A. 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 or the City of Azusa. 11. No representative of the County of Los Angeles Department of Public Works or the City of Azusa, 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 points for top of curbs, centerline of streets, or centerline of alleys, is shown by circles on profiles at all points between said designed points. 13. The private engineer shall furnish the County of Los Angeles Department of Public Works or the City of Azusa, 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 alignment with right angle 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 an Industrial Waste Discharge Permit at (626) 450-3517. 17. AN ENCUMBRANCE PERMIT SHALL BE OBTAINED FROM THE CITY OF AZUSA ENGINEERING DIVISION PRIOR TO PERFORMING ANY WORK IN THE CITY RIGHT-OF-WAY. 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 "G" per "Standard Specifications for Public Works Construction" Section 200-2. 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 vitrified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary), per "Standard Specifications for Public Works Construction" Section 200-2. 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 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, unless otherwise approved by the County of Los Angeles Department of Public Works or the City of Azusa. 8. All structures shall be either brick sewer manholes per LACDPW Standard Plan S-3 (SPPWC 205-1), 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 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. 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 fill 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 1557-78, 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 or the City of Azusa, prior to the acceptance of the work by the County or the City of Azusa. 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 or the City of Azusa. 17. All ductile iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining. 18. Cured in place pipe liner shall be used for all vitrified clay pipe if lining is required. 19. All chimneys shall have terminal cleanout structure per SPPWC Std 204-2.

Table with 5 columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. Row 1: 1, CONSTRUCT ADDITIONAL MANHOLE AND SEWER LATERAL AT NEW LOCATION, [Signature], RCE NO. 62749, [Signature], 7/16/17



- REVISIONS: 1. REMOVE EXISTING PLUG AND JOIN EX. 8" STUB. 2. CONSTRUCT 8" VCP SEWER PIPE. 3. CONSTRUCT STANDARD MANHOLE PER SPPWC 200-3. 4. CONSTRUCT 8" SEWER STUB AND PLUG FOR FUTURE USE. 5. CONSTRUCT 6" VCP SEWER LATERAL. 6. CONSTRUCT 8"x6" WYE. ISSUE NO HL CONNECTION PERMIT. ML MUST BE EXTENDED AND MH MUST BE CONSTRUCTED.



Sanitary Sewer Plans In 5500 N. Cerritos Avenue, Azusa, CA 91702 PC NO. 12380. Includes WestLAND Group, Inc. logo and contact information.