

**BENCH MARKS**  
 BM G4163 Elev. 434.477  
 DESCRIPTION L&T IN CB RET 5M(16.4FT) N/O BCR  
 @ SW COR MYRTLE AVE & DUARTE RD.  
 QUAD (YEAR) BASELINE (2005)

Per Title 20.24.140 of LA County Code, obstructing access to sewer facilities is prohibited. No object directed to remove shall be located over the sewer easement(s) as to interfere with ready access to sewer facilities.

- STORMWATER POLLUTION PLAN NOTES**
- 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.
  - 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 surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and surface waters.
  - 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.
  - Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
  - 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.
  - Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
  - 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):

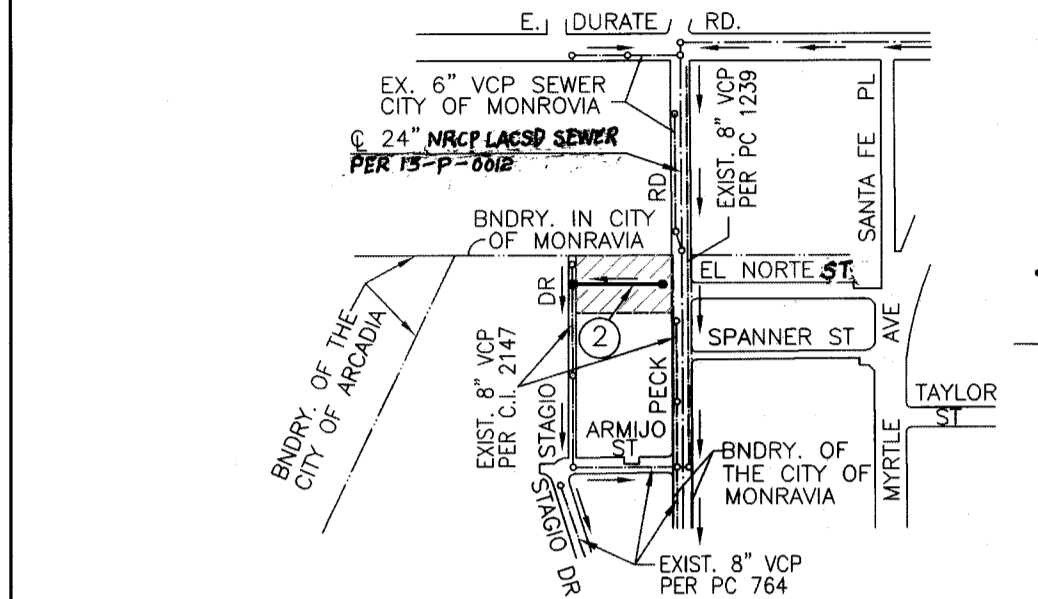
- |  |  |   |
|--|--|---|
| <b>EROSION CONTROL</b>                   | <b>WIND EROSION CONTROL</b>                | <b>WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL</b> |
| EC-1 Scheduling                          | WE-1 Wind Erosion Control                  | WM-1 Material Delivery and Storage                      |
| EC-2 Preservation of Existing Vegetation | WM-2 Material Use                          | WM-2 Stockpile Management                               |
| EC-3 Hydraulic Mulch                     | <b>NON-STORM WATER MANAGEMENT</b>          | WM-3 Spill Prevention and Control                       |
| EC-4 Hydroseeding                        | NS-1 Water Conservation Practices          | WM-4 Hazardous Waste Management                         |
| EC-5 Soil Binders                        | NS-2 Dewatering Operations                 | WM-5 Contaminated Soil Management                       |
| EC-6 Straw Mulch                         | NS-3 Paving and Grinding Operations        | WM-6 Concrete Waste Management                          |
| EC-7 Geotextiles and Mats                | NS-4 Temporary Stream Crossing             | WM-7 Sanitary/Septic Waste Management                   |
| EC-8 Wood Mulching                       | NS-5 Clear Water Diversion                 | WM-8 Liquid Waste Management                            |
| EC-9 Earth Dikes and Drainage Swales     | NS-6 Illicit Connection/Discharge          |   |
| EC-10 Helical Disposition Swales         | NS-7 Potable Water/Irrigation              |   |
| EC-11 Slope Drains                       | NS-8 Vehicle and Equipment Cleaning        |   |
| EC-12 Streambank Stabilization           | NS-9 Vehicle and Equipment Fueling         |   |
| EC-13 Polyacrylamide                     | NS-10 Vehicle and Equipment Maintenance    |   |
|  | NS-11 Pile Driving Operations              |   |
|  | NS-12 Concrete Curing                      |   |
|  | NS-13 Concrete Finishing                   |   |
|  | NS-14 Material Over Water                  |   |
|  | NS-15 Demolition Adjacent to Water         |   |
|  | NS-16 Temporary Batch Plants               |   |
| <b>TEMPORARY SEDIMENT CONTROL</b>        | <b>EQUIPMENT TRACKING CONTROL</b>          |   |
| SE-1 Silt Fence                          | TR-1 Stabilized Construction Entrance/Exit |   |
| SE-2 Sediment Basin                      | TR-2 Stabilized Construction Roadway       |   |
| SE-3 Sediment Trap                       | TR-3 Entrance/Outlet Tire Wash             |   |
| SE-4 Check Dams                          |  |   |
| SE-5 Fiber Rolls                         |  |   |
| SE-6 Gravel Bag Berm                     |  |   |
| 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                 |  |   |

**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 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.
- 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.
- 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, The County of Los Angeles Department of Public Works shall be notified 30 days prior to cancellation of the insurance policy.
- 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.
- Approval of this plan by the County of Los Angeles Department of Public Works does not constitute a representation as to the 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 applies to all pages.
- 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.
- The contractor's attention is directed to Section 7-10.4.2 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 County of Los Angeles Department of Public Works Standard Plan No. 6008-1.
- Elevations are in feet above U.S.C. and G.S. sea level datum of 1988.
- No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
- No representative of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
- 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 design points. The grade shall be established so as to conform to a straight line drawn between said design points.
- 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 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.
- 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.
- An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
- Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.

**CONSTRUCTION NOTES**

- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
- Verified clay pipe joints shall be type "D" or "G" per "Standard Specifications for Public Works Construction" Section 208-2.
- 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 of 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 for Public Works Construction" Section 208-2.
- House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
- Wye or 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 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.
- 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 203-3), or reinforced precast manhole per LACDPW Standard Plan 2003-2, except as noted.
- Resurface all trenches within paved areas to meet Department of Public Work or California State Highway requirements in accordance with the permits.
- 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.
- 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 1557-75, 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.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- 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.
- Manhole tops in improved rights of way to be level with finished grade.
- 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.
- 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.
- All Ductile Iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.
- Cured in place pipe liner shall be used for all extra strength vitrified clay pipe if lining is required.



**INDEX MAP**

SCALE: 1" = 600' CSM INDEX E-2119  
 P.C. 11918 TRACT MAP NO. 062732  
 THOMAS GUIDE PAGE: 567-06

BUILDING AND SAFETY DISTRICT OFFICE: SAN GABRIEL VALLEY  
 NOTES: NUMBER IN CIRCLE INDICATES PAGE NUMBER.  
 ALL MAINLINE SANITARY SEWERS ARE WITHIN THE SANITARY SEWER EASEMENT

**B. STANDARD PLANS**

- The following latest revised standard plans on file in the office of the following department shall apply in the construction of this project.
- 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.                           |
| 2002-1 Precast concrete shallow manhole.                               | 2023-2 Cradling and encasement.                          |
| 2003-2 Reinforced precast concrete manhole.                            | 2024-1 WYE or TEE SUPPORT.                               |
| 2004-1 Rectangular shallow manhole.                                    | 2026-1 Erosion protection in steep slopes.               |
| 2014-1 Rectangular manhole frame and cover.                            | 2027-1 Allowable trench widths.                          |
| 2015-1 Standard manhole step.  | 6008-1 Minimum public safety requirements.               |
|  | 2100-1 Requirements for sanitary sewers near water mains |
- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)**
- |  |   |
|--|---|
| 207-1 Precast reinforced concrete manhole base | 221-1 Pipe anchors and backfill stabilizers |
| 208-1 Breaking into existing manholes          | 222-1 House connection sewer                |
| 210-3 Manhole frame and cover locking type     | 223-2 House connection remodeling           |
| 220-2 Chimneys                                 | 223-4 Terminal cleanout structure           |
|  | 225-1 Blanket protection for pipes          |

**NOTICE TO CONTRACTOR:**  
 The developer shall be responsible for the continued maintenance of PC11918 sanitary sewer until the County formally accepts it for maintenance. All manlines, manholes and laterals shall be protected from damage and infiltration.

**SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.**

- COUNTY SANITATION DISTRICT (CSD) NOTES:**
- No connection for the disposal of industrial wastes shall be made to sewers shown on these plans - until a permit for industrial waste water discharge has been issued by the CSD for said connection.
  - Prior to final acceptance of the project, notify the CSD superintendent of 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 SSI Plan 2023-2 at all significant crossings.

NO.	REVISION	REVISED BY	APPROVED BY	DATE

TRACT NO. 062732 PC NO. 11918  
 1 SHEETS: 2 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 CSM INDEX E-2119  
 EIMP2014000262

MARK PESTRELLA LA COUNTY DIRECTOR OF PUBLIC WORKS  
 APPROVED BY LAND DEVELOPMENT DIVISION  
 BY: *[Signature]* DATE: 4/29/18  
 ASSISTANT DIVISION ENGINEER  
 SUBMITTED BY: *[Signature]* DATE: 11/28/18  
 FINAL MAPS, SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION  
 COUNTY SANITATION DISTRICT NO. 15  
 OF LOS ANGELES COUNTY, CALIFORNIA  
 GRACE ROBINSON CHAN CHIEF ENGINEER AND GENERAL MANAGER  
 APPROVED BY: *[Signature]* DATE: 12/19/18  
 ENGINEERING COUNCIL

**ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS**

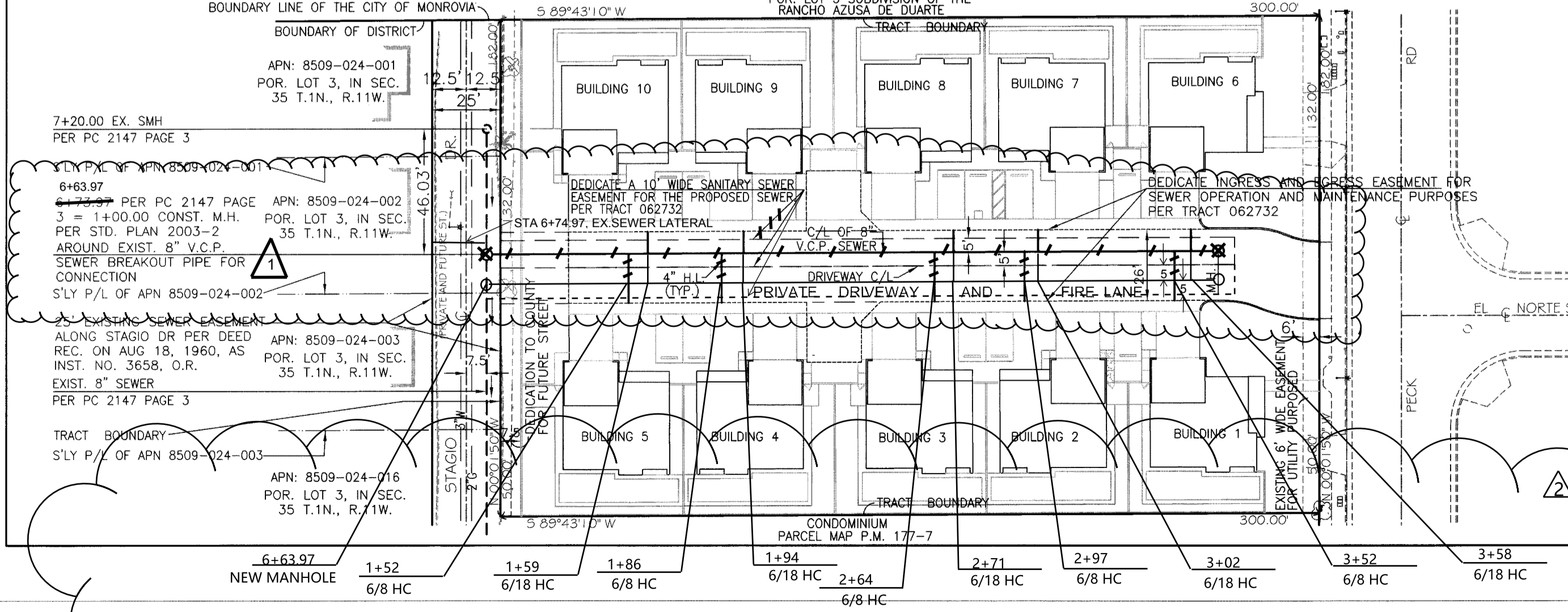
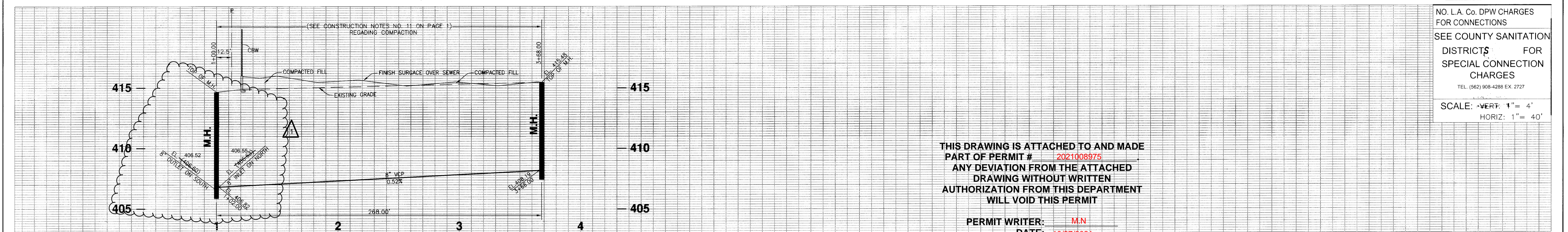
I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION OF THEIR LOCATION IN ACCORDANCE WITH SECTION 9771 OF THE BUSINESS AND PROFESSIONS CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO 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.

*[Signature]* DATE: 04-11-2018  
 ENGINEER/SURVEYOR SEAL AND SIGNATURE

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

PROJECT ENGINEER No. 79702 04-11-2018  
 RCE NO DATE



**Revision 1**

SCALE 1" = 40'

**REGISTERED PROFESSIONAL ENGINEER**  
 GUAN WANG  
 No. 79702  
 EXP. 09-30-20  
 CIVIL  
 STATE OF CALIFORNIA  
 PROJECT ENGINEER 10-10-18 DATE

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	MOVE PROP. SEWER MAIN LINE SOUTH 10'	GUAN WANG	<i>[Signature]</i>	8/30/2021
2	ADD STATION	GUAN WANG		9/2/2025

**SANITARY SEWER PLANS IN TRACT MAP NO. 062732 PC NO. 11918**

REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: *[Signature]* DATE: 11/29/18  
 FINAL MAPS, SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS**

**SUBDIVISION LAND SURVEY CIVIL ENGINEERING & DESIGN**  
 135 N. SAN GABRIEL BLVD.  
 SAN GABRIEL, CA 91775  
 TEL: (626) 570-1918  
 EMAIL: info@tritechassociates.com

DPW/LACOUNTY.GOV ts-ss-dl.dgn 6/2012