

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN THE CITY OF AZUSA TRACT MAP NO. 072444 ADDRESS FOR SINGLE LOT, PC NO. 12197 2 SHEETS: 3 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSM D INDEX

GAIL FARRER LA COUNTY DIRECTOR OF PUBLIC WORKS APPROVED BY LAND DEVELOPMENT DIVISION 9/24/15 DATE BY ASSISTANT DIVISION ENGINEER 9/28/15 DATE SUBMITTED DATE BY FINAL MAPS, SEWER, LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY SANITATION DISTRICT NO. 22 OF LOS ANGELES COUNTY, CALIFORNIA GRACE ROBINSON VICE - CHIEF ENGINEER AND GENERAL MANAGER APPROVED BY DATE: 9-29-2015 OFFICE ENGINEER

CITY OF AZUSA APPROVAL TRACT/PARCEL/ADDRESS TR. 72444 0755 BARRANCA AVE. AZUSA, CA 91702 CITY OF AZUSA WE APPROVE THIS SEWER AREA STUDY PLAN AND CONCUR WITH THE FOLLOWING FINDINGS WITHIN THE CITY: DISCHARGE OUTLET APPROVED NO MITIGATION WITH MITIGATION APPROVED BY DATE: 9/28/15 CITY ENGINEER RCE.

PS007667

AS-BUILT PLAN DATED 01/10/2017

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 1-800-422-4130 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CLUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES. NADER J. QOBORSI 46119 9/25/15 DATE PROJECT ENGINEER RCE NO.

- 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... 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... 3. Prior to issuance of a permit, the contractor shall file a permit for excavations and trenches from the State of California Division of Industrial Safety... 4. If work is done in a State Highway, a permit must be obtained from the State of California Division of Highways... 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... 7. All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction" including supplements... 8. The contractor's attention is directed to Section 7-10.4.2 of the "Standard Specifications for Public Works Construction" regarding 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. 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 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 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 clearly marked... 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 inlet is lower in elevation than the top of the next upstream manhole... 16. Contact Environmental Programs Division for the Industrial Waste Discharge Permit at (626) 458-3517... 17. Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole... 18. Verified clay pipe joints shall be type "D" or "G" per "Standard Specifications for Public Works Construction" Section 208-2... 19. If a pipe 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... 20. House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted... 21. Wye or tee branches may be used for connections to the mainline sewers except as noted... 22. 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... 23. All structures shall be either brick or concrete manholes per LACDPW Standard Plan S-3 (SPPWC 203-2), or precast concrete sewer manholes per LACDPW Standard Plan S-36 (SPPWC 203-3), or reinforced precast manhole per LACDPW Standard Plan 2023-2, except as noted... 24. Resurface all trenches within paved areas to meet Department of Public Work or California State Highway requirements in accordance with the plans... 25. 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 equivalent by a qualified Civil Engineer shall be provided by the permittee prior to the issuance of a Certificate of Partial Acceptance... 26. 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 1557-76, 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... 27. Manhole tops in unimproved rights of way to be six inches above finished grade... 28. Snyers to be tested for leakage per Section 308-1.4 of the "Standard Specification for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer"... 29. Manhole tops in improved rights of way to be level with finished grade... 30. 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... 31. 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... 32. All sanitary sewer pipes joints shall be mechanical compression joints to be in compliance with NPDES - MS4 permit... 33. All ductile iron pipes shall be lined with Protecto 401 Ceramic Epoxy lining... 34. Cured in place pipe liner shall be used for all extra verified clay pipes if lining is required... 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. CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. 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.

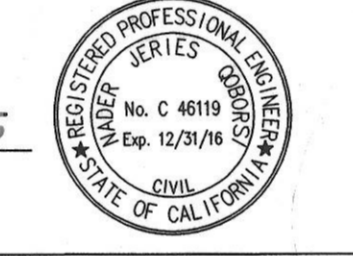
NOTICE TO CONTRACTOR: The developer shall be responsible for the continued maintenance of PC12197 sanitary sewer until the County formally accepts it for maintenance. All manholes, manholes and laterals shall be protected from damage and infiltration. MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION. BACKWATER VALVES IS NECESSARY FOR UNITS 9 AND 10. SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY. ALL SANITARY SEWER MANHOLE SHAFTS AND FRAM SHALL BE WATERPROOF.

EXISTING SEWER SYSTEM SHALL BE OPERATIONAL AT ALL TIMES DURING RECONSTRUCTION. NOTIFY AFFECTED HOMEOWNERS AT LEAST 72 HRS IN ADVANCE.

BASIS OF BEARING: THE BEARING OF N 90° 01' 40" W OF THE CENTERLINE OF BARRANCA AVENUE AS SHOWN ON TRACT NO. 18833 M.B. 605-1/2 WAS USED AS THE BASIS OF BEARING FOR THIS SURVEY.

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 8771 OF THE FIELD AND PROFESSION CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO IDENTIFY EXISTING MONUMENTS. I 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.

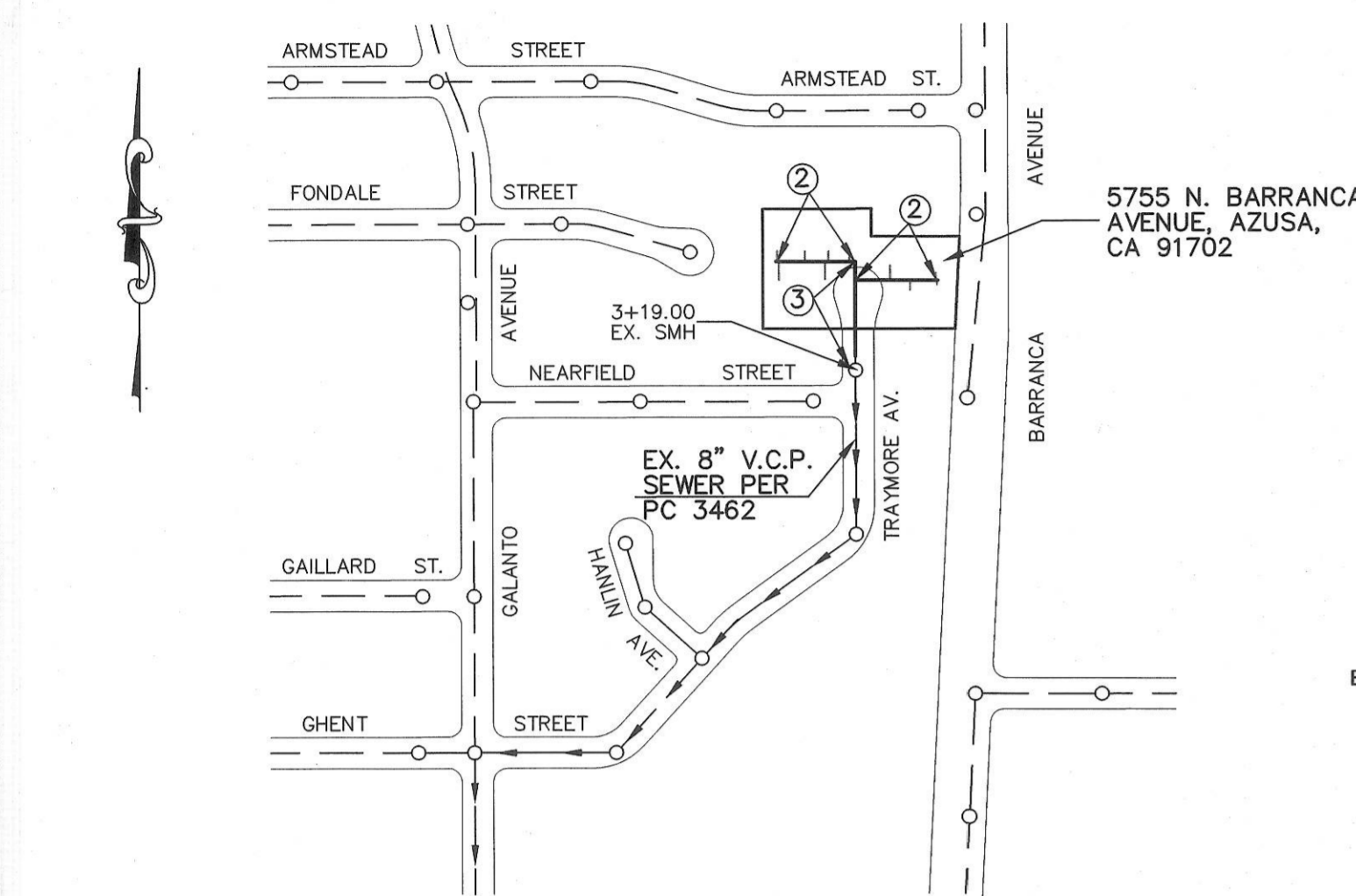
Nader J. Qoborski 9/25/15 DATE NADER J. QOBORSI



- STORMWATER POLLUTION PLAN NOTES: A. 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... 5. Excess or waste concrete may not be washed into the public way or any other drainage system... 6. Excess or waste concrete may not be washed into the public way or any other drainage system... 7. Sediments and other materials may not be washed into the public way or any other drainage system... 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... 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 Bedding for sewer pipe. 2000-1 Cradling and encasement. 2000-2 WYE or TEE support. 2003-2 Reinforced precast concrete manhole. 2004-1 Rectangular shallow manhole. 2004-1 Rectangular manhole frame and cover. 2014-1 Standard manhole step. 2015-1 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.

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 WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION. 2. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, NOTIFY THE CSD SUPERINTENDENT OF MAINTENANCE AT (310) 6381161 TO REPORT COMPLETION OF CONSTRUCTION OF THIS LOCAL SEWER THAT INDIRECTLY CONNECTS TO THE CSD SEWER SYSTEM.

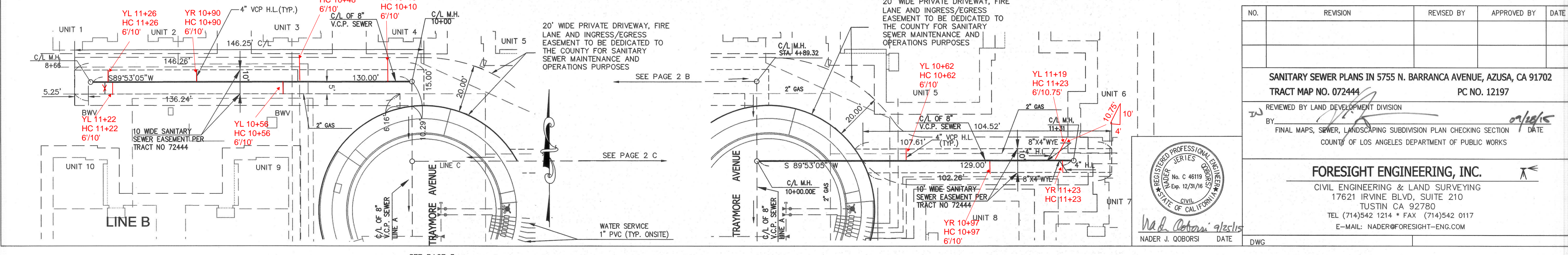
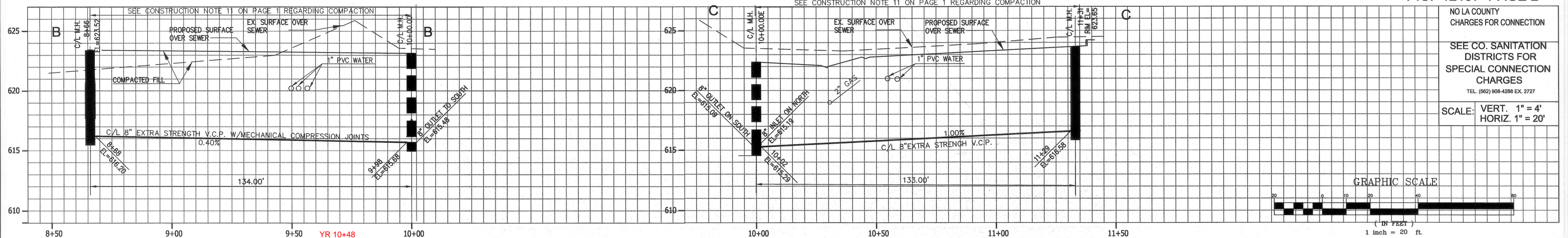
BENCHMARK: BENCHMARK NO. - RDLB 619-219 ELEV. = 627.135 L.A.F.C. BR. CAP MON. IN S END ELY WING WALL BR. # 1236 ±287' N/O & ±35' E/O CL INT. GHENT ST. & BARRANCA AVE. (BEN LOMOND AVE.) (LINE 'A') (MKD. BM 81-42 1960)



SCALE: 1" = 300' CSM D INDEX: E-2299 P.C. NO. 12197 THOMAS GUIDE PAGE: 88-F1, 599-C1 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 (IF APPLICABLE).

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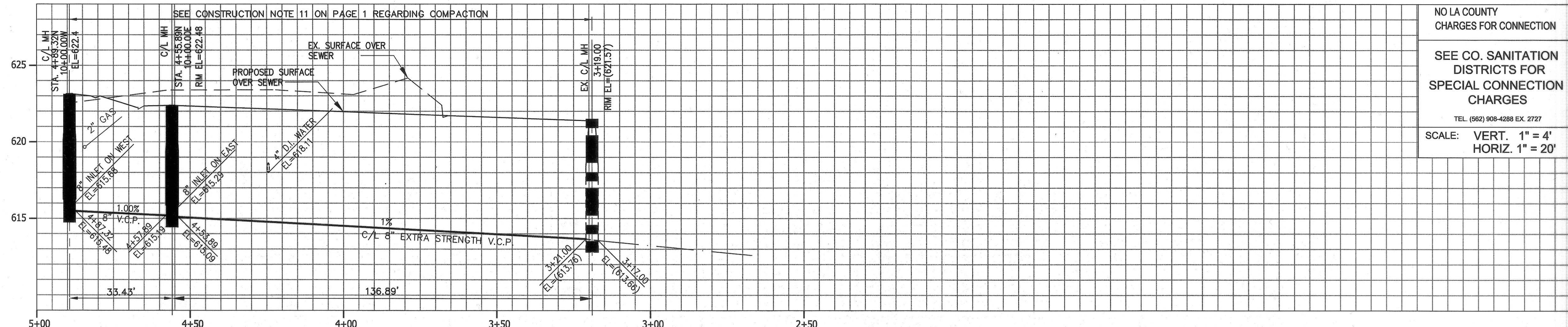
SANITARY SEWER PLANS IN 5755 N. BARRANCA AVENUE, AZUSA, CA 91702 TRACT MAP NO. 072444 PC NO. 12197 REVIEWED BY LAND DEVELOPMENT DIVISION BY: NADER J. QOBORSI 9/28/15 DATE FINAL MAPS, SEWER, LANDSCAPING SUBDIVISION PLAN CHECKING SECTION COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS FORESIGHT ENGINEERING, INC. CIVIL ENGINEERING & LAND SURVEYING 17621 IRVINE BLVD, SUITE 210 TUSTIN CA 92780 TEL (714)542 1214 * FAX (714)542 0117 E-MAIL: NADER@FORESIGHT-ENG.COM DWG

NO LA COUNTY CHARGES FOR CONNECTION

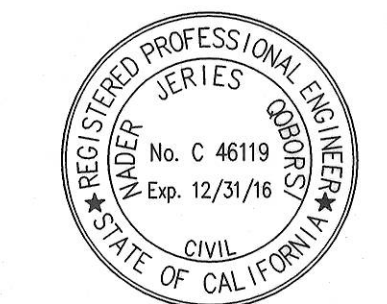
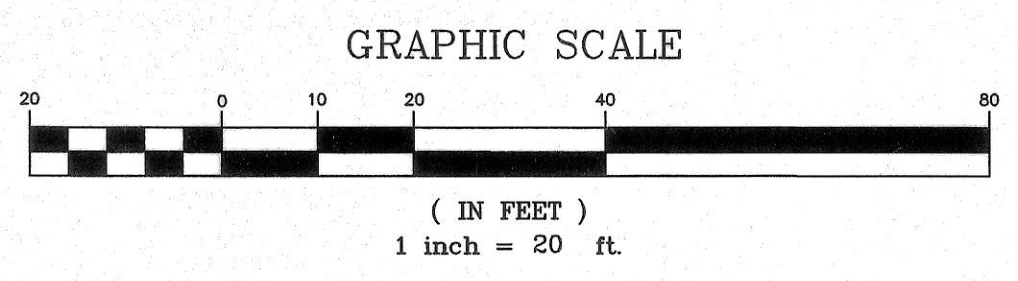
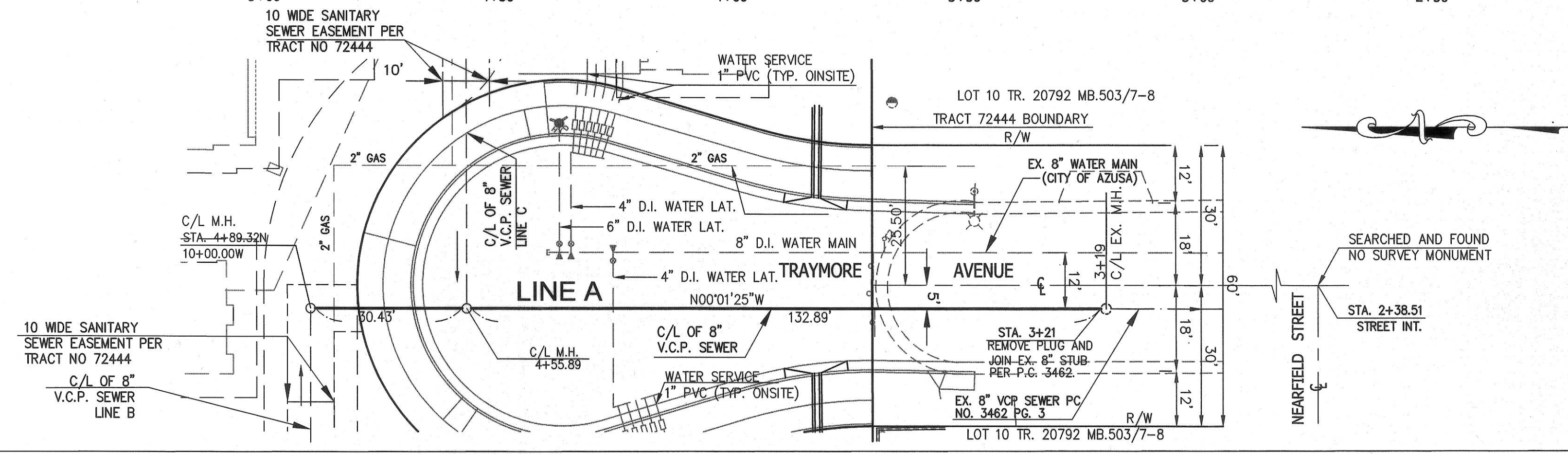
SEE CO. SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL. (662) 908-4288 EX. 2727

SCALE: VERT. 1" = 4'
HORIZ. 1" = 20'



AS-BUILT PLAN DATED 01/10/2017



Nader Qoborsi 1/25/15
NADER J. QOBORSI DATE

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* 1/20/15 DATE

FINAL MAPS, SEWER, LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

1. H.B. (B)S. PC. HAST. ON TOAST