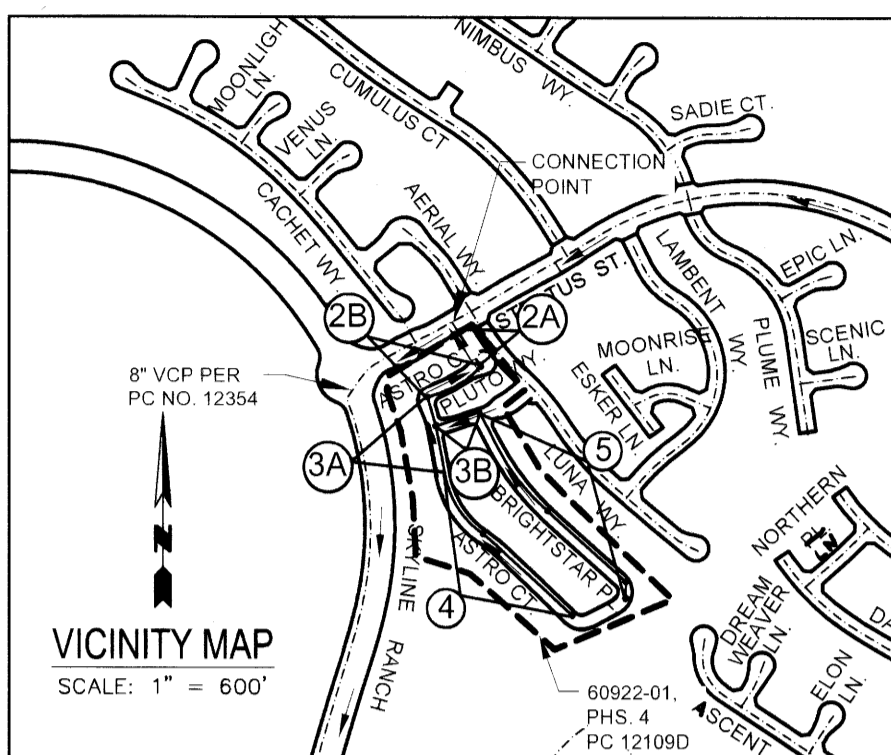


B.M. CL 5113 ELEV. 1381.512

ROBM TAG IN WLY WALL C B 20FT N/O C/L
NADAL ST & 74FT E/O C/L WHITES CYN RD 7FT
T/O BCR & NE COR

NEWHALL QUAD. (1983)



ALL STREETS ARE PRIVATE DRIVEWAY AND FIRE LANES AND ARE DEDICATED AS SEWER EASEMENTS PER TRACT 60922-01.

BUILDING AND SAFETY DISTRICT OFFICE: SANTA CLARITA

NOTES: NUMBER IN CIRCLE INDICATES PAGE NUMBER. ALL MAINLINE SANITARY SEWERS ARE WITHIN THE SANITARY SEWER EASEMENT

CSDM INDEX NO. N-1416
P.C. 12109D TR. NO. 60922-01 PHS 4
THOMAS GUIDE PAGE: 4551-51, 4462-A10, 4461-7, G5

Table with 5 columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. It contains a single row for revision 1.

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 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 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 spots with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water. 9. The following BMP's 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 DISSSIPATION DEVICES, EC11 SLOPE DRAINS, EC12 STREAMBANK STABILIZATION, EC13 BERRIED, EC14 COMPOST BLANKETS, EC15 SOIL PREPARATION/ROUGHENING, EC16 NON-VEGETATED STABILIZATION.
- NON-STORM WATER MANAGEMENT: NS1 WATER CONSERVATION PRACTICES, NS2 DEWATERING OPERATIONS, NS3 PAVING AND GRINDING OPERATIONS, NS4 TEMPORARY STREAM CROSSING, NS5 CLEAR WATER DIVERSION, NS6 FLUCT CONNECTION/DISCHARGE, NS7 POTABLE WATER IRRIGATION, NS8 VEHICLE AND EQUIPMENT CLEANING, NS9 VEHICLE AND EQUIPMENT FUELING, NS10 VEHICLE AND EQUIPMENT MAINTENANCE, NS11 FLE DRYING 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.

- WIND EROSION CONTROL: WE1 WIND EROSION CONTROL.
- EQUIPMENT TRACKING CONTROL: TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT, TC2 STABILIZED CONSTRUCTION ROADWAY, TC3 ENTRANCE/OUTLET TIRE WASH.

- 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, 2002-1 Precast concrete shallow manhole, 2003-2 Rectangular shallow manhole, 2004-1 Rectangular shallow manhole, 2014-1 Rectangular manhole frame and cover, 2015-1 Standard manhole step.
- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPW): 200-3 Precast Concrete Sewer Manhole, 204-2 Terminal cleanout structure, 207-2 Precast reinforced concrete manhole base, 208-2 Breaking into existing manholes, 210-3 Manhole frame and cover locking type.

- 2021-1 Bedding for sewer pipe, 2023-2 Cradling and encasement, 2024-1 WYE or TEE support, 2026-1 Erosion protection in steep slopes, 2027-1 Allowable trench widths, 6009-1 Minimum public safety requirements, 2100-1 Requirements for sanitary sewers near water mains.
- 220-3 Chimneys, 221-2 Pipe anchors and backfill stabilizers, 222-2 House connection sewer, 223-2 Breaking connection remodeling, 225-2 Blanket protection for pipes.

NOTE: Bedding Material shall conform with a sand equivalent not less than 20.

COUNTY SANITATION DISTRICT (CSD) NOTES

- 1. NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE PLANS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE CSD FOR SAID CONNECTION.
- 2. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, NOTIFY THE CSD SUPERINTENDENT OF MAINTENANCE AT (861) 257-4809 TO REPORT COMPLETION OF THIS LOCAL SEWER THAT INDIRECTLY DISCHARGES TO THE CSD SEWER SYSTEM.

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PC 12354 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

The developer shall be responsible for the continued maintenance of PC12109D sanitary sewer until the County formally accepts it for maintenance. All manlines, manholes and laterals shall be protected from damage and infiltration.

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

SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (95%) AND COMPLETED FIELD ACCEPTANCE (98%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.

SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

ALL SANITARY SEWER MANHOLE SHAFTS AND FRAMES SHALL BE WATERTIGHT WITH BUTYL RUBBER MASTIC JOINT SEALING COMPOUND OR APPROVED EQUIV BY THE L.A. COUNTY PUBLIC WORKS DEPT.

BACKWATER VALVES SHALL BE NECESSARY FOR UNITS: 14.15, 17.20, 25.28, 35.39, 41.44, 46.51, 53.57, 61.66, 69.71, 73.

NOTES: The contractor 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 SIO Plan 2032-2, all significant crossings.

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, 500 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 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 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 or the existence or nonexistence of any underground utility pipe or structure within the limits of this project. This note applies to all points. 7. All work shall be in accordance with the latest approved edition of the "Standard Specification for Public Works Construction" including supplements (if there are any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction," 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 7-10.4.2 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. 9. Elevations are in feet above U.S.C. and G.S. sea level datum of 1983. 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, as 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 "1" 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. 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) 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 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 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 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. 8. All structures shall be either brick sewer manholes per LACDPW Standard Plan S-3 (SPPW 203-2), or precast concrete sewer manholes per LACDPW Standard Plan S-3a (SPPW 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 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 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 308-1.1 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 extra strength vitrified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works. 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 extra vitrified clay pipe if lining is required. 19. All Chimneys shall have terminal clean out structure per SPWW std. plan 204-2 with traffic rated frame and cover.

TRACT NO. 60922-01, PC NO. 12109D
3 SHEETS: 6 PAGES
COUNTY OF LOS ANGELES CALIFORNIA
CSDM INDEX N-1416

MARK PESTRELLA, LA COUNTY DIRECTOR OF PUBLIC WORKS
APPROVED BY LAND DEVELOPMENT DIVISION
DATE: 4/12/18
SUBMITTED BY: [Signature] DATE: 4/12/18
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

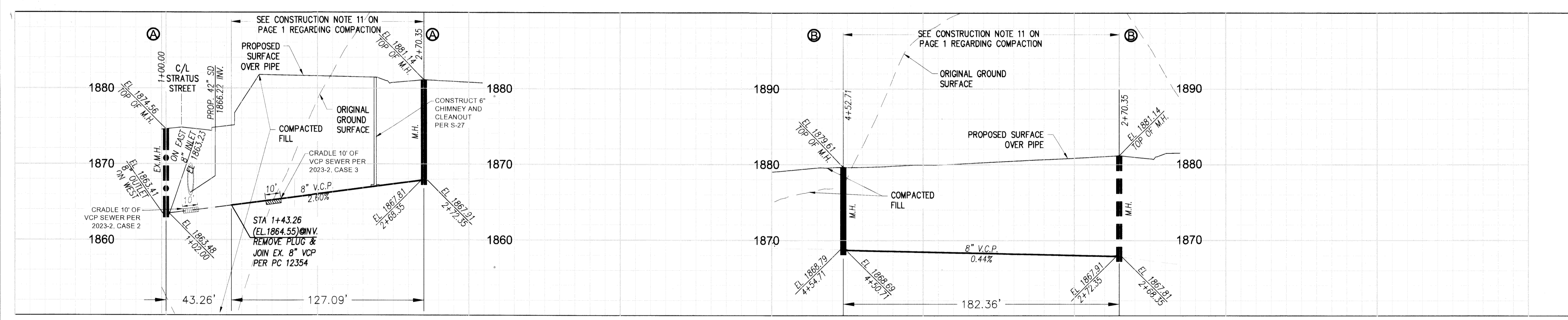
SANTA CLARITA VALLEY SANITATION DISTRICT
OF LOS ANGELES COUNTY, CALIFORNIA
GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER
APPROVED BY: [Signature] DATE: 4/19/18
ENGINEER-IN-CHARGE

CITY OF SANTA CLARITA
TRACT/PARCEL ADDRESS: 60922-01 PC NO. 12109D
CITY OF SANTA CLARITA DISCHARGE, C/O-OUTLET APPROVED.
WE APPROVE THIS SEWER AREA STUDY PLAN WITH THE FOLLOWING FINDINGS WITH THE CITY: NO MITIGATION WITH MITIGATION
APPROVED BY: [Signature] DATE: 4-19-18
ROBERT S. NEWMAN, DIRECTOR OF PUBLIC WORKS

AS-BUILT

Engineer/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.
Engineer/Surveyor Seal and Signature: [Signature] Date: 4-9-2018

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 1-865-948-8871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
PROJECT ENGINEER: [Signature] RCE NO. 32363 DATE: 4/11/18

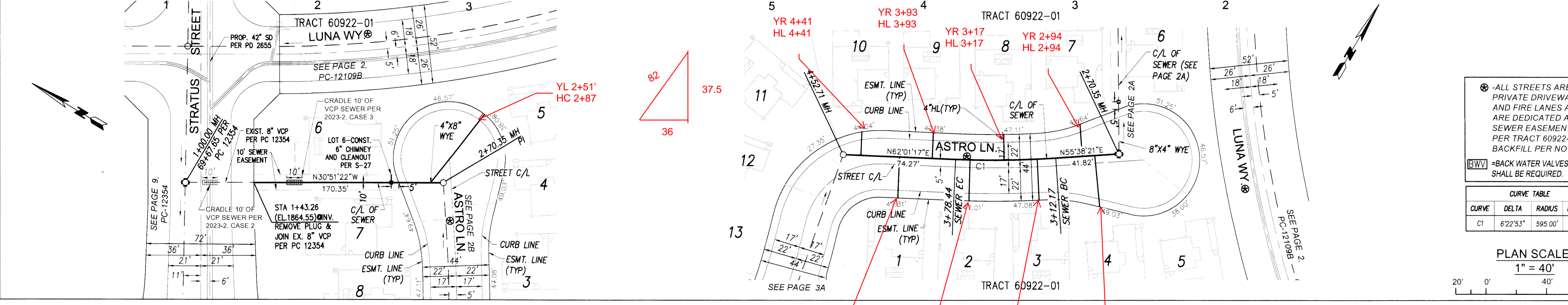


BASIS OF BEARING: THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING N42°22'16" OF THE CENTERLINE OF SIERRA HIGHWAY AS SHOWN ON MAP OF TRACT NO. 13591 FILED IN BOOK 320, PAGE 28 THROUGH 30, INCLUSIVE, OF MAPS, RECORDS OF LOS ANGELES COUNTY, AND SHOWN AS N42°24'7" ON THIS MAP.

NO LA COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE

REGISTERED PROFESSIONAL ENGINEER
CRAIG YOUNG
No. 32363
Exp. 12-31-18
CIVIL
STATE OF CALIFORNIA
PROJECT ENGINEER: [Signature] DATE: 4/11/18

AS-BUILT



ALL STREETS ARE PRIVATE DRIVEWAY AND FIRE LANES AND ARE DEDICATED AS SEWER EASEMENTS PER TRACT 60922-01. BACKFILL PER NOTE 11.
BACKWATER VALVES SHALL BE REQUIRED.

CURVE TABLE

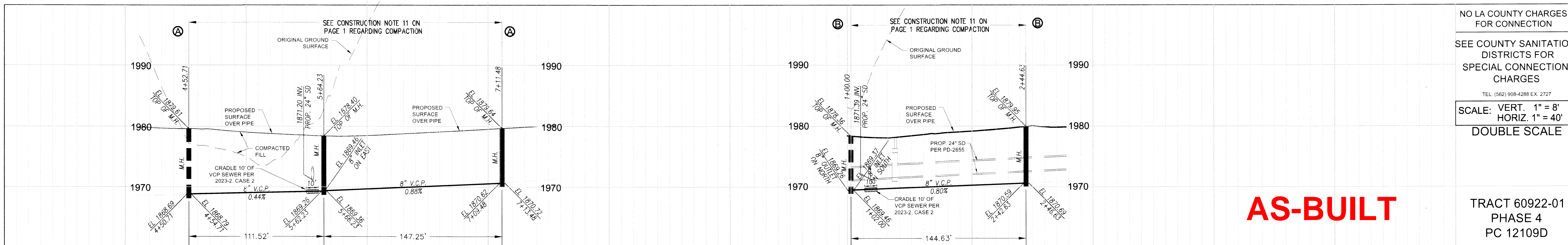
CURVE	DELTA	RADIUS	LENGTH
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PLAN SCALE: 1" = 40'

SANITARY SEWER PLANS FOR PHASE NO. 4
TRACT NO. 60922-01 PC NO. 12109D
REVIEWED BY LAND DEVELOPMENT DIVISION
DATE: 4/14/18
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

SIKAND ENGINEERING ASSOCIATES CONSULTING ENGINEERS
15230 BURBANK BLVD., VAN NUYS, CALIFORNIA 91411 (818) 787-8550

15" x 11" 60922-01 PC 12109D SHEET 1



NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

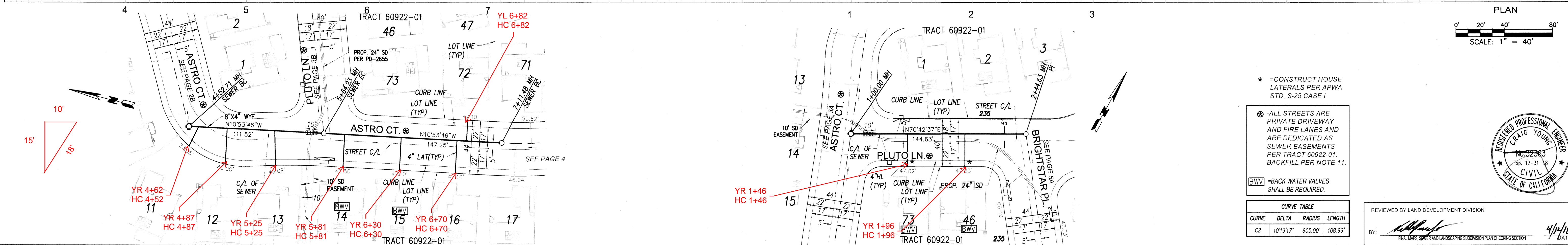
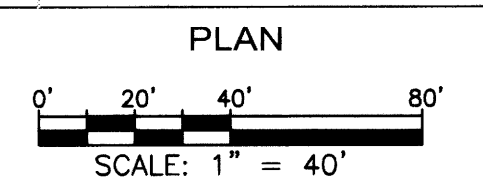
TEL (562) 908-4288 EX 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

TRACT 60922-01
PHASE 4
PC 12109D

AS-BUILT



* =CONSTRUCT HOUSE LATERALS PER APWA STD. S-25 CASE 1

⊗ ALL STREETS ARE PRIVATE DRIVEWAY AND FIRE LANES AND ARE DEDICATED AS SEWER EASEMENTS PER TRACT 60922-01. BACKFILL PER NOTE 11.

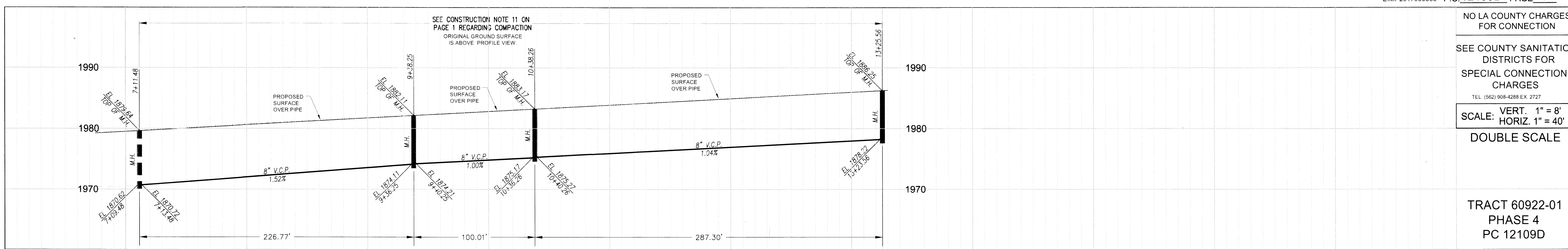
⊠ BWV =BACK WATER VALVES SHALL BE REQUIRED.

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C2	107°17'	605.00'	108.99'



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 4/1/18



NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

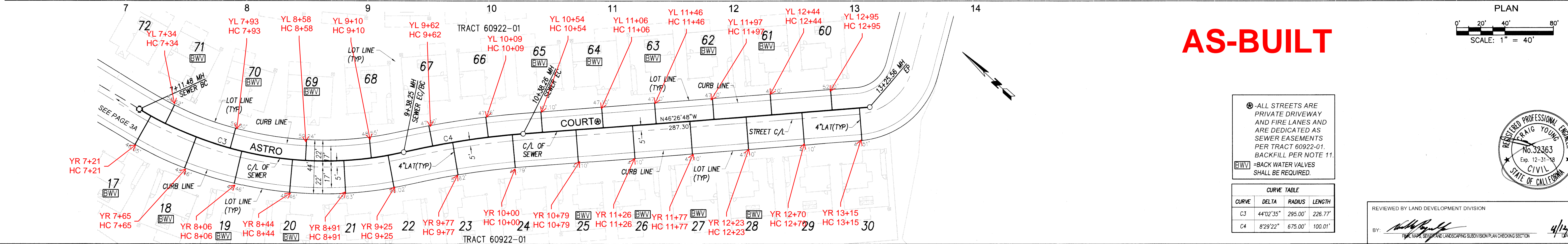
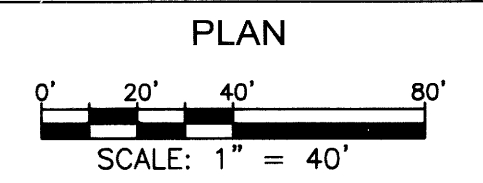
TEL (562) 908-4288 EX 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

TRACT 60922-01
PHASE 4
PC 12109D

AS-BUILT



⊗ ALL STREETS ARE PRIVATE DRIVEWAY AND FIRE LANES AND ARE DEDICATED AS SEWER EASEMENTS PER TRACT 60922-01. BACKFILL PER NOTE 11.

⊠ BWV =BACK WATER VALVES SHALL BE REQUIRED.

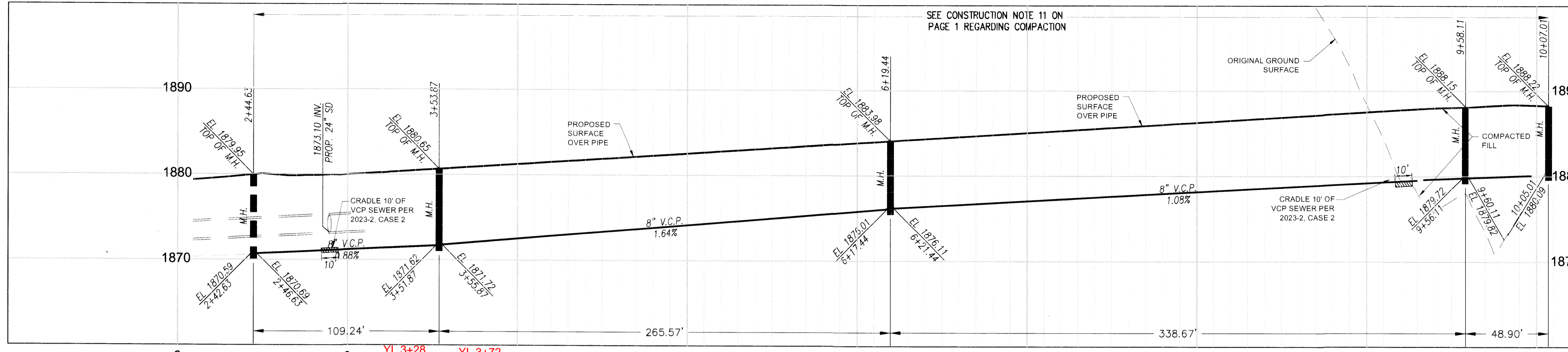
CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C3	44°02'35"	295.00'	226.77'
C4	8°29'22"	675.00'	100.01'



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 4/1/18

18' NO 60922-01 BC 13109C SHEET 2



NO LA COUNTY CHARGES FOR CONNECTION

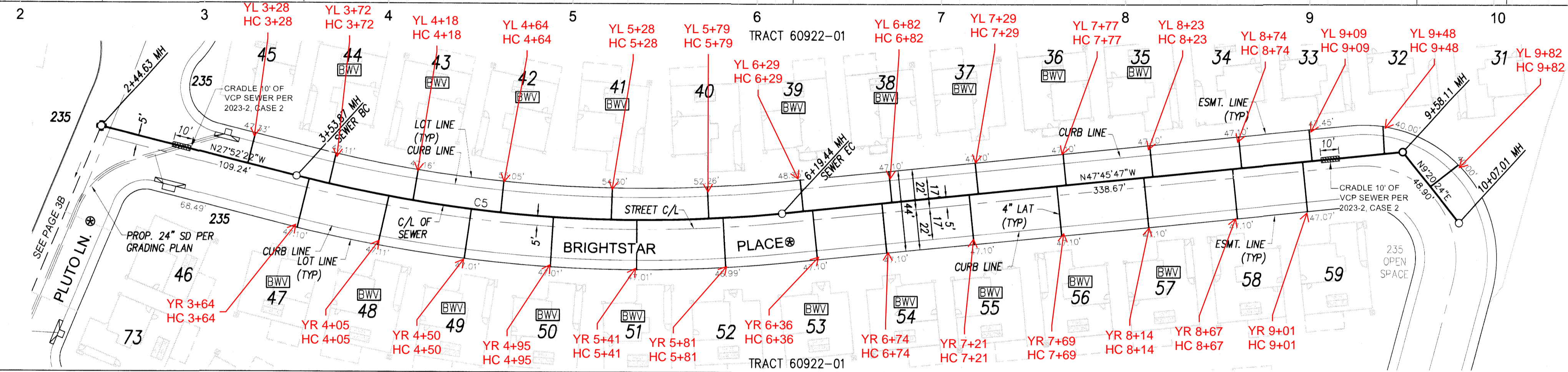
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (562) 908-4288 EX. 2727

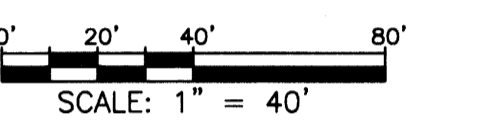
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

TRACT 60922-01
PHASE 4
PC 12109D



AS-BUILT



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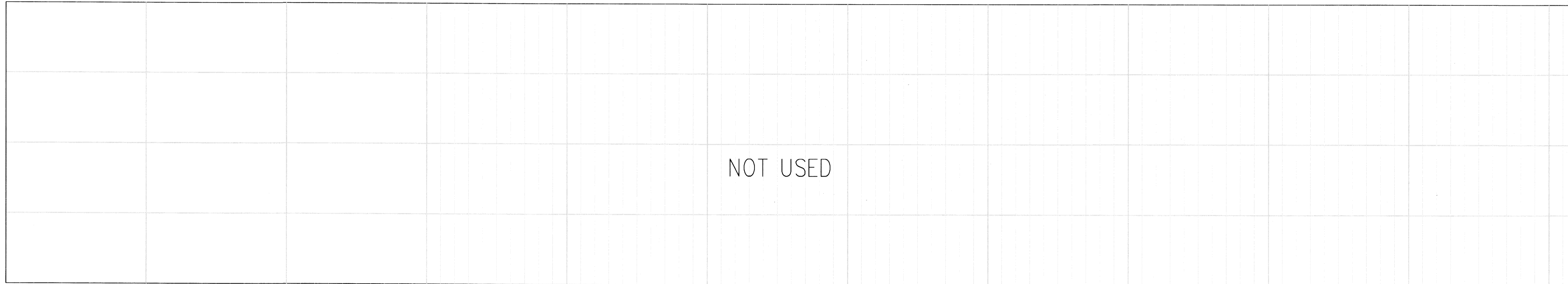
⊗ BWV = BACK WATER VALVES SHALL BE REQUIRED.

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C5	19°32'25"	765.00'	265.57'



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 4/12/18



NO LA COUNTY CHARGES FOR CONNECTION

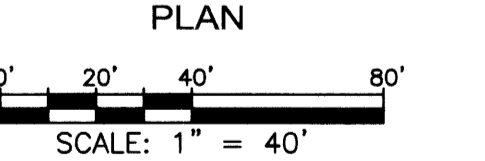
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'

DOUBLE SCALE

TRACT 60922-01
PHASE 4
PC 12109D



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 4/12/18

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