

BENCH MARK: L.A.C.R.D. L 3826
 RD BM TAG IN C.B. 9 FT. SO. B.C.R. 55 FT. SO. & 42 FT. W/C.L. INT. BOUQUET GANYON RD. STEVE JON ST.
 NEWHALL QUAD. (1993) ELEV. 1374.703

Per Title 20.24.140 of LA County Code, obstructing access to sewer facilities is prohibited. No object difficult 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.
- Structures 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 labeling 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.
- 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 dispersed 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 BMP's as outlined in, but not limited to, the CALIFORNIA STORMWATER QUALITY ASSOCIATION, 2009 CONSTRUCTION BMP HANDBOOK/PORAL, or the latest revised edition, may apply during the construction of this project (additional measures may be required if deemed appropriate by county inspector, the project engineer or building official):

- | | | |
|---|-------------------------------------|--|
| EROSION CONTROL | TEMPORARY SEDIMENT CONTROL | NON-STORMWATER MANAGEMENT |
| EC1 - Scheduling | SE1 - Silt Fence | NS1 - Water Conservation Practices |
| EC2 - Preservation of Existing Vegetation | SE2 - Sediment Basin | NS2 - Dewatering Operations |
| EC3 - Hydraulic Mulch | SE3 - Sediment Trap | NS3 - Paving and Grinding Operations |
| EC4 - Hydroseeding | SE4 - Check Dam | NS4 - Temporary Stream Crossing |
| EC5 - Soil Binders | SE5 - Fiber Rolls | NS5 - Clear Water Diversion |
| EC6 - Straw Mulch | SE6 - Gravel Bag Berm | NS6 - Illicit Connection Discharge |
| EC7 - Geotextiles and Mats | SE7 - Street Sweeping and Vacuuming | NS7 - Portable Water Irrigation |
| EC8 - Wood Mulching | SE8 - Sandbag Barrier | NS8 - Vehicle and Equipment Cleaning |
| EC9 - Earth Dikes and Drainage Swales | SE9 - Straw Bale Barrier | NS9 - Vehicle & Equipment Fueling |
| EC10 - Velocity Dissipation Devices | SE10 - Storm Drain Inlet Protection | NS10 - Vehicle and Equipment Maintenance |
| EC11 - Slope Grains | SE11 - Active Treatment Systems | NS11 - Pile Driving Operations |
| EC12 - Streambank Stabilization | SE12 - Temporary Silt Dike | NS12 - Concrete Curing |
| EC13 - Reserved | SE13 - Compost Socks and Berms | NS13 - Concrete Finishing |
| EC14 - Compost Blankets | SE14 - Blotter Bags | NS14 - Material and Equipment Use |
| EC15 - Soil Preparation/ Roughening | | NS15 - Demolition Adjacent to Water |
| EC16 - Non-vegetated Stabilization | | 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 - Contaminated Soil Management
 - WM8 - Concrete Waste Management
 - WM9 - Sanitary/Septic Waste Management
 - WM10 - Liquid Waste Management
- EQUIPMENT TRACKING CONTROL**
- TC1 - Stabilized Construction Entrance/Exit
 - TC2 - Stabilized Construction Roadway
 - TC3 - Entrance/Outlet Tire Wash
- WIND EROSION CONTROL**
- WE1 - Wind Erosion Control
- 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 Grading and encasement. |
| 2003-2 Reinforced precast concrete manhole. | 2024-1 WPE 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. | 6026-1 Minimum public safety requirements. |
| | 2100-1 Requirements for sanitary sewers near water mains. |
- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
- | | |
|--|---|
| 207-2 Precast reinforced concrete manhole base | 221-2 Pipe anchors and backfill stabilizers |
| 208-2 Breaking into existing manholes | 222-2 House connection sewer |
| 210-3 Manhole frame and cover locking type | 223-2 House connection remodeling |
| 220-3 Chimneys | 225-2 Blanket protection for pipes |

COUNTY SANITATION DISTRICT (CSD) NOTES:

- 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 the CSD for said connection.
- 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 INDIRECTLY CONNECTS TO 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 storm drain crossings.

PRIVATE CONTRACT SEWER GENERAL NOTES

- 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, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Roof Excavation, Cottrons, etc. must be filed with the permit application.
- 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. 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.
- When work is within a contract city, the contractor must contact the Director of Public Works of that city, to determine the location to pay the inspection fee.
- 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 accuracy of the location of or the existence or non-existence 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 of Sanitary Sewer" and shall be processed only in the presence of the County of Los Angeles Department of Public Works.
- The contractor's attention is directed to Section 7-10.4.1 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 Los Angeles Department of Public Works standard plan 6006-1.
- Elevations are in feet above U.S.C. & 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 lay out any portion of the work.
- 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, are 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.
- 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" or "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 low in elevation than the top of the next upstream manhole.
- Contact Environmental Programs Division for industrial waste discharge permit @ (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.
- Victified clay pipe joints shall be type "D" or "C" per "Standard Specifications for Public Works Construction" Section 208-2.
- If a pipe 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.
- 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 manhole 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 203-2), or precast concrete sewer manholes per LACDPW standard plan S-36 (SPPWC 200-3), or reinforced precast concrete manhole per LACDPW standard plan 2003-2, except as noted.
- Resurface all trenches within paved areas to meet Department of Public Works 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 fill outside of the street right of way shall be compacted to 90% 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 Construction Division of the 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 Specifications 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 manhole and/or house laterals are to be located at least 5' apart and when possible not closer than 5' to any manhole.
- All pipe materials shall be vitrified clay pipe or ductile iron pipe or other materials approved by the County of Los Angeles Department of Public Works.
- All sanitary sewer manhole shafts and frames shall be water tight.

NOTICE TO CONTRACTOR:

MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.

B/W BACKWATER VALVES MAY BE NECESSARY FOR LOTS/BUILDING/UNITS 3,4,5,13,14,15,16,19,20

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PC 11631 & PC 12036 ARE ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

LOT NOS 41-43 ARE RESTRICTED FROM CONSTRUCTION OF BUILDINGS AND WILL NOT BE SERVED BY THIS SEWER.

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF PC 12036 SANITARY SEWER UNTIL THE COUNTY FORMALLY ACCEPTS IT FOR MAINTENANCE. ALL MAINLINE, MANHOLES AND LATERALS SHALL BE PROTECTED FROM DAMAGE AND INFILTRATION.

SEWER VIDEO OF ALL SEGMENTS SHALL BE COMPLETED 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.

PER LEIGHTON GEOTECHNICAL REPORT, ALL SEWERS SHALL BE CONSTRUCTED ON A TWO FOOT MINIMUM THICKNESS BLANKET OF PROPERLY COMPACTED FILL.

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS
 TO BE CONSTRUCTED IN
 TRACT NO. 60999 PC NO. 12036
 2 SHEETS: 4 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 CSMD INDEX N-1373

GAIL FARBER DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 6/18/14
 ASSISTANT DIVISION ENGINEER
 SUBMITTED BY: *[Signature]* DATE: 6/10/14
 SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

SANTA CLARITA VALLEY SANITATION DISTRICT
 OF LOS ANGELES COUNTY, CALIFORNIA
 GRACE ROBINSON, HYDRO-CHIEF ENGINEER AND GENERAL MANAGER

APPROVED BY: *[Signature]* DATE: 7-21-2014
 OFFICE ENGINEER

CITY OF SANTA CLARITA APPROVAL
 TRACT 60999 PC NO. 12036

CITY OF SANTA CLARITA DISCHARGE / OUTLET APPROVED
 WE APPROVE THIS SEWER AREA STUDY/PLAN AND CONCUR WITH THE FOLLOWING FINDINGS WITHIN THE CITY DISCHARGE MITIGATION MITIGATION FEE PAID
 APPROVED BY: *[Signature]* DATE: 4/10/14
 CITY ENGINEER RCE

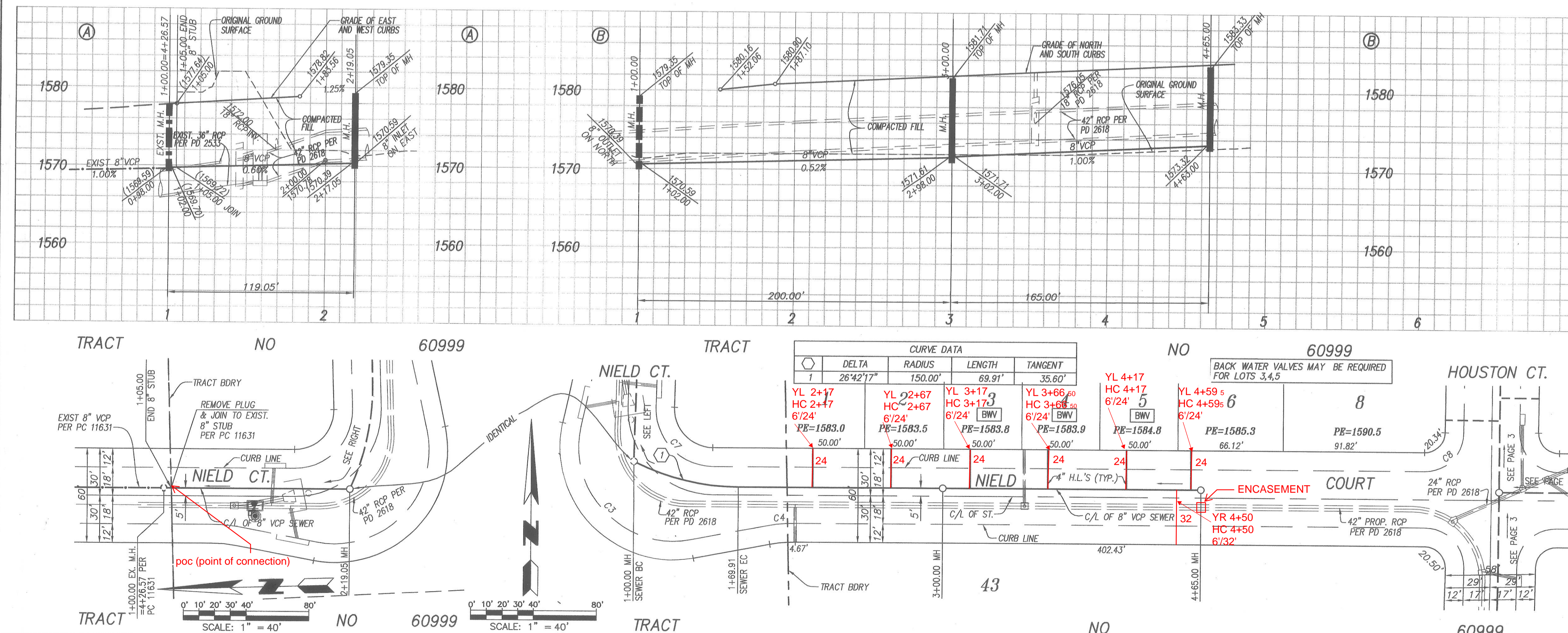
PRIVATE ENGINEERS NOTICE TO CONTRACTORS:

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.

DOUG FARMER No.49041 Exp. 09-30-2014 CIVIL ENGINEER
 RCE NO. 49041 EXP. 09-30-14 DATE: 4-14-14

AS-BUILT PLAN DATED 11/21/2016

NO.	REVISION	REVISED BY	APPROVED BY	DATE



P.C.12036 PAGE 2

NO. L.A. Co. DPW CHARGES FOR CONNECTIONS
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 908 4288 EX. 2727
 DOUBLE SCALE

DOUG FARMER No.49041 Exp. 09-30-2014 CIVIL ENGINEER
 DATE: 4-14-14

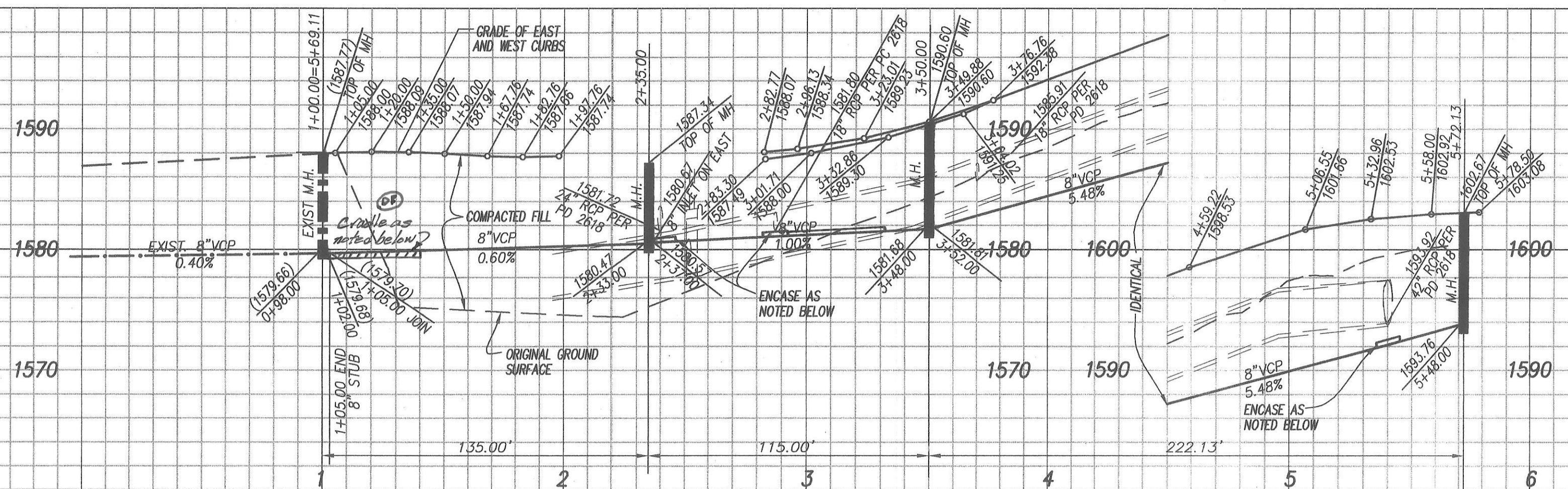
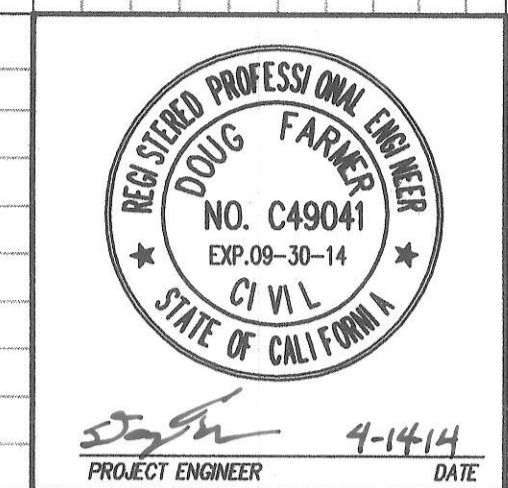
NO.	REVISION	REVISED BY	APPROVED BY	DATE

SANITARY SEWER PLANS IN TRACT NO. 60999 PC NO. 12036
 REVIEWED BY LAND DEVELOPMENT DIVISION
[Signature] DATE: 6/5/14
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

SIKAND
 Engineering / Planning / Surveying
 15230 Burbank Blvd.
 Van Nuys, CA 91411
 Tel: (818) 787-8550
 Fax: (818) 901-7451
 info@sikand.com

NO L.A. CO. DPW CHARGES FOR CONNECTIONS

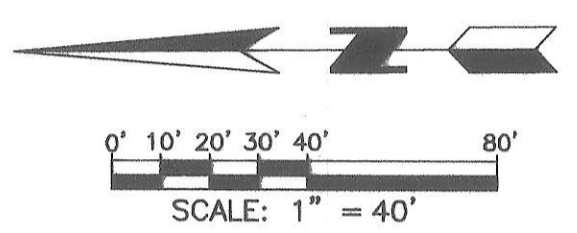
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL No. (562) 908-4288 EXT. 2727
DOUBLE SCALE



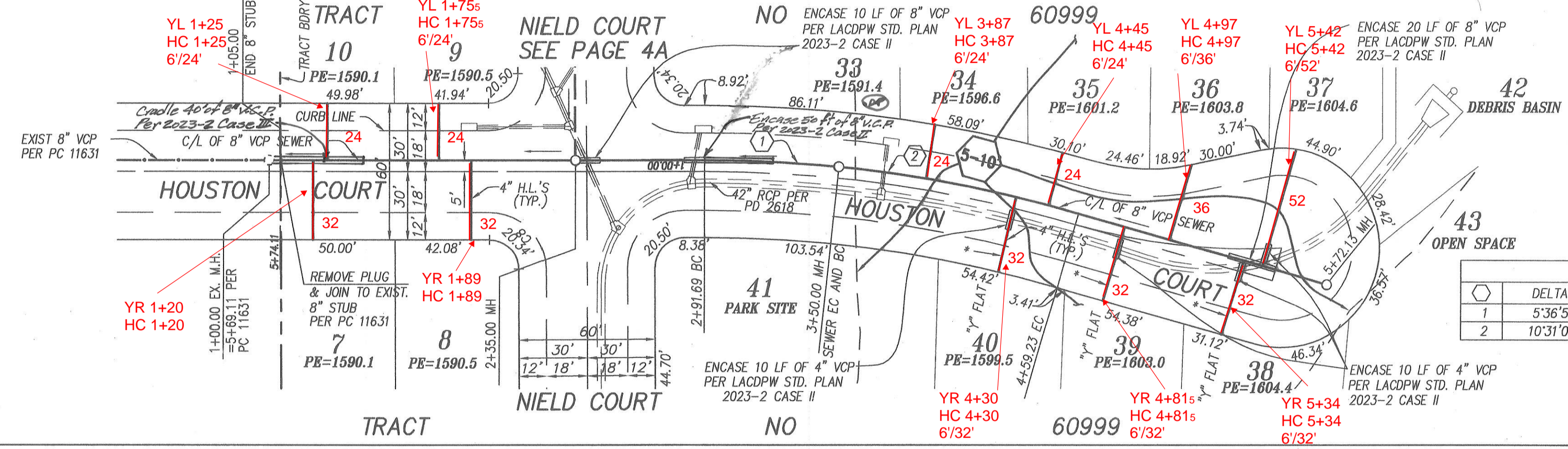
AS-BUILT PLAN DATED 11/21/2016

LEGEND

- 5-10 APPROXIMATE REMEDIAL REMOVAL DEPTH
- APPROXIMATE LIMIT OF REMEDIAL REMOVALS. (REMOVAL LIMITS EXTEND BEYOND HOUSTON COURT, TO THE WEST AND EAST. SEE LEIGHTON'S REPORT FOR SANITARY SEWER PC 12036 DATED JANUARY 8, 2014)
- CONSTRUCT H.L. PER SPPWC STD PLAN 222-2 TYPE D, A=35', B=15'

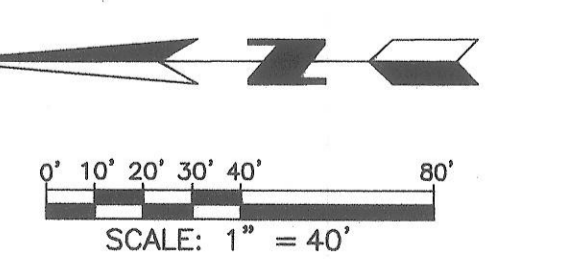
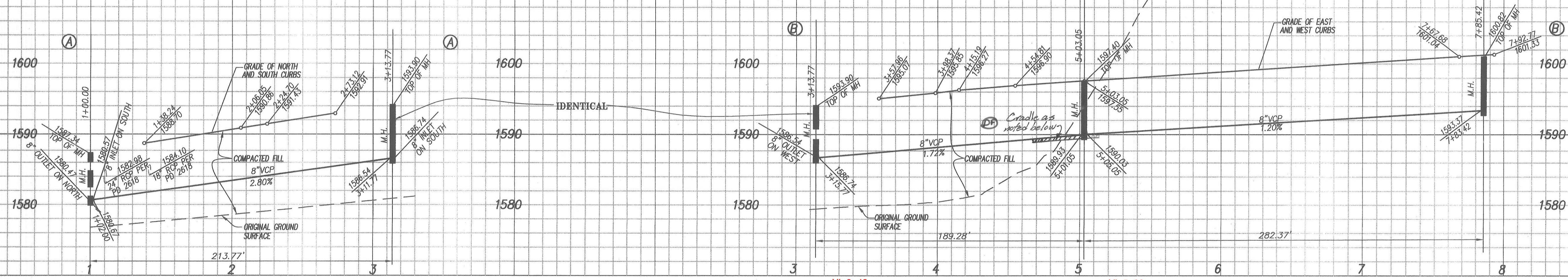
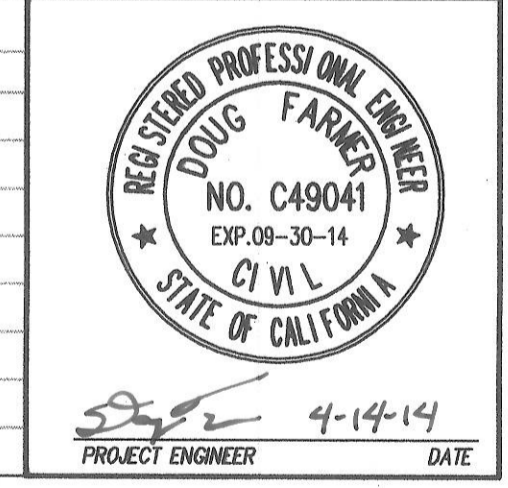


CURVE DATA			
DELTA	RADIUS	LENGTH	TANGENT
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2 10'31"06"	595.00'	109.23'	54.77'



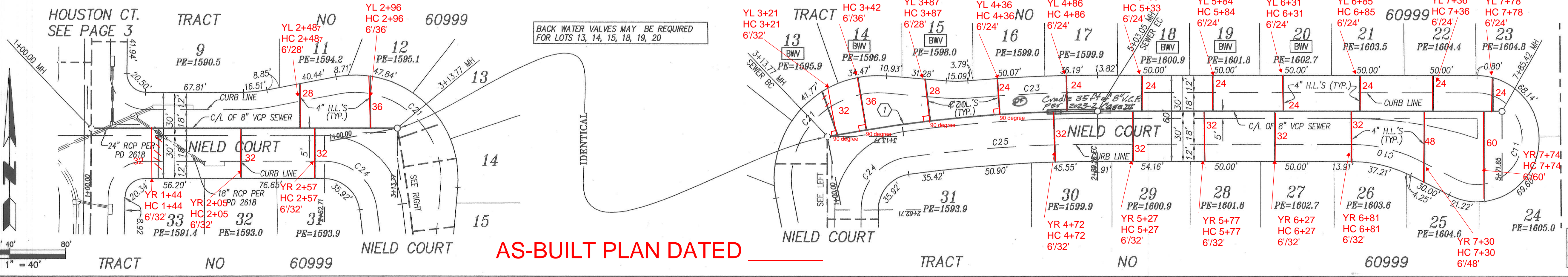
NO L.A. CO. DPW CHARGES FOR CONNECTIONS

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL No. (562) 908-4288 EXT. 2727
DOUBLE SCALE



CURVE DATA			
DELTA	RADIUS	LENGTH	TANGENT
1 10'47"28"	1005.00'	189.28'	94.92'

AS-BUILT PLAN DATED _____



TRACT 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100