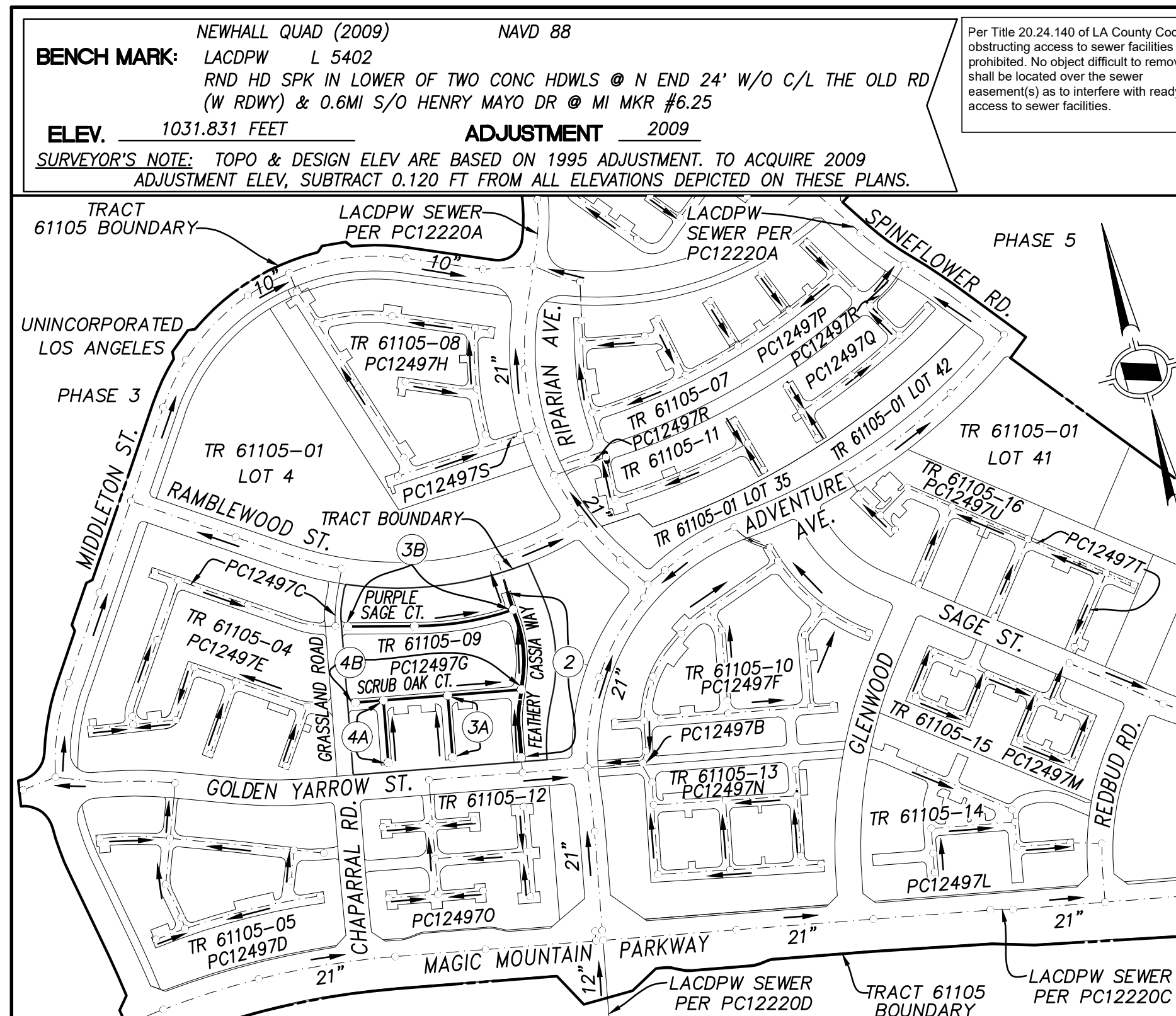


Starts Construction As Built



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. 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 dispersed by wind.
7. Erosion control measures shall 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 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 Caltrans Stormwater Quality Handbooks (Construction Site BMP Manual), may apply during the construction of this project (additional measurements may be required if deemed appropriate by the Project Engineer or the Building Official)
EROSION CONTROL
E1 SCHEDULING
E2 PRESERVATION OF EXISTING VEGETATION
E3 HYDRAULIC MULCH
E4 HYDROSEEDING
E5 SOL BINDERS
E6 STRAW MULCH
E7 GEOTEXTILES & MATS
E8 WOOD MULCHING
E9 EARTH Dikes AND DRAINAGE SWALES
E10 VELOCITY DESTRUCTION DEVICES
E11 SLOPE DRAINS
E12 STREAMBANK STABILIZATION
E13 RESERVED
E14 COMPOST BLANKETS
E15 SOIL PREPARATION/ROUGHENING
E16 NON-VEGETATED STABILIZATION
NON-STORM WATER MANAGEMENT
N1 WATER CONSERVATION PRACTICES
N2 WATERING OPERATIONS
N3 PAVING AND GRADING OPERATIONS
N4 TEMPORARY STREAM CROSSING
N5 CLEAR WATER DIVERSION
N6 ILLIOT CONNECTIONS/CHARGE
N7 PORTABLE WATER/IRRIGATION
N8 VEHICLE AND EQUIPMENT CLEANING
N9 VEHICLE AND EQUIPMENT FUELING
N10 VEHICLE AND EQUIPMENT MAINTENANCE
N11 FLEET DRIVING OPERATIONS
N12 CONCRETE CURING
N13 CONCRETE FINISHING
N14 MATERIAL AND EQUIPMENT USE
N15 DEMOLITION ADJACENT TO WATER
N16 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/SPTIC WASTE MANAGEMENT
WM10 LIQUID WASTE MANAGEMENT
WM11 TEMPORARY SEDIMENT CONTROL
SE1 SILT FENCE
SE2 SEDIMENT BASIN
SE3 SEDIMENT TRAP
SE4 CHECK DAM
SE5 FIBER ROLLS
SE6 GRAVEL BAG/BEEM
SE7 STREET SWEEPING AND VACUUMING
SE8 SANDBAG BARRIER
SE9 STRAW BALE BARRIER
SE10 STORM DRAIN INLET PROTECTION
SE11 ACTIVE TREATMENT SYSTEMS
SE12 TEMPORARY SILT DIKE
SE13 COMPOST SOCKS & BERMS
SE14 BOTTLE BARRIERS
WIND EROSION CONTROL
WET WIND EROSION CONTROL
EQUIPMENT TRACKING CONTROL
TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 STABILIZED CONSTRUCTION ROADWAY
TC3 ENTRANCE/EXIT TIRE WASH

NOTICE TO CONTRACTOR
Issue no house lateral connection permits until outlet sewer PC 12220A is accepted for public use by the County of Los Angeles Department of Public Works.
The developer shall be responsible for the continued maintenance of PC 12497G 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.
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.
All sanitary sewer manhole shafts and frames shall be watertight with Butyl Rubber Mastic joint sealing compound or approved equal by the LA County Public Works.
All proposed utilities shown on this plan, except for sanitary sewer, are to be constructed per separate plan and permit.
Backwater valves shall be required for all units.
For buildings within the 45 degree influence lines, the Engineer and/or Developer must notify the Building and Safety plan checker for feed footings requirements.
Where two house laterals are to be joined to the chimney pipe, install WYE branches using two single WYES stacked with branches facing the properties served.

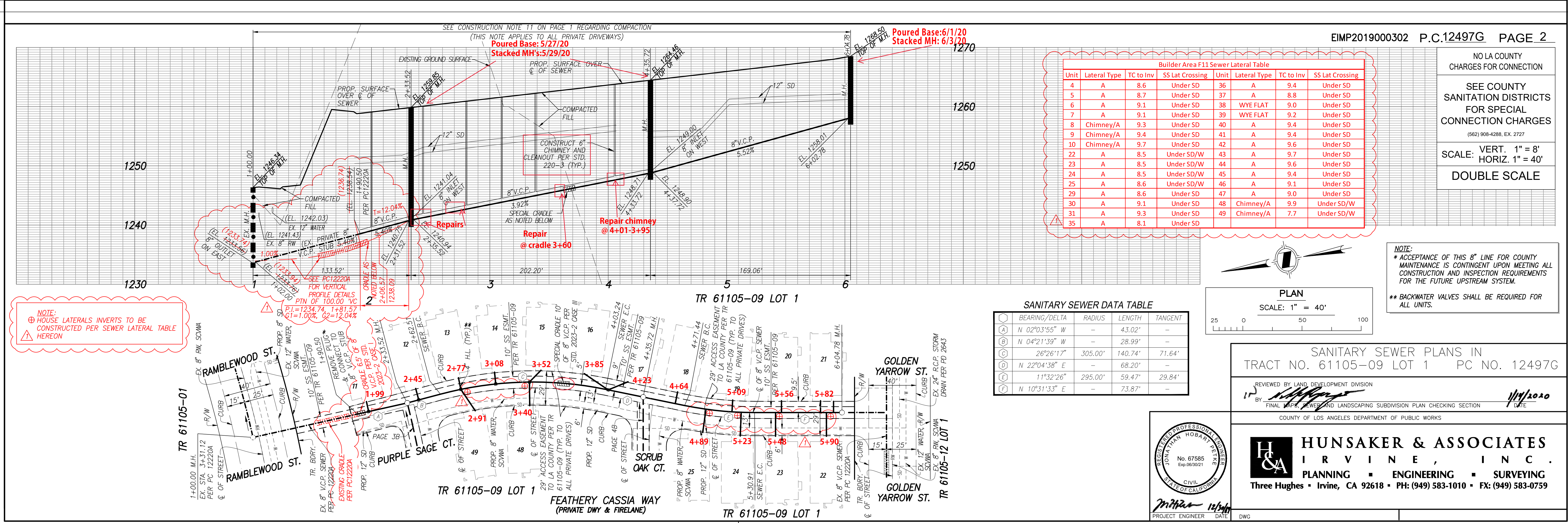
PRIVATE CONTRACT SEWER GENERAL NOTES
1. A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the County of Los Angeles Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as 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 or 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. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
5. 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. This notice applied to all pages.
6. All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction" including provisions (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.
7. 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.
8. Elevations are in feet above U.S.C. and G.S. sea level datum of 1988.
9. No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
10. No representative of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
11. Grades to which this improvement is to be constructed are shown on plans and profiles. Grade point for top of curbs, centerline of streets, or centerline of alleys, is shown by circles on profiles at all points between set designed points. The grade shall be established so as to conform to a straight line drawn between said design points.
12. 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.
13. An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
14. Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3571.
15. When work is encroaching into Flood Control District assessment and/or crossing its facilities, a Flood Control permit shall be obtained from the Los Angeles County Flood Control District at https://epicloud.lacounty.gov at least 4 weeks prior to your desired start-up date. If you need additional information, you may contact Land Development Division - Permits Section Public Counter at 626-458-4921.
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. Verified field 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 203-2, 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. All manholes shall 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 203-2, 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 (SPWPC 203-2), or precast concrete sewer manholes per LACDPW Standard Plan S-36 (SPWPC 200-3), or reinforced precast manhole per LACDPW Standard Plan 203-2, 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 306-12 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 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 1557-78, 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 306-7.8 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.
17. All Ductile Iron pipes 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 cleanout structure per SPWPC sid. plan 204-2 and with traffic rated frame and cover.

INDEX MAP
SCALE: 1"=300'
CSDM INDEX: N-1217
P.C. NO. 12497G TRACT NO. 61105-09
THOMAS GUIDE PAGE: 4549, H3, J3

BASIS OF BEARING
THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING S56°58'48"W OF THE SOUTHEASTELY LINE OF PARCEL MAP NO. 24500-01 FILED IN BOOK PAGES 34 THROUGH 67, INCLUSIVE, OF RECORDS OF LOS ANGELES COUNTY.



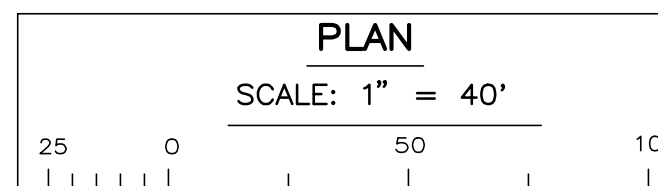
ENGINEER'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS
I hereby attest that I have located and referenced on these plans the monuments existing prior to construction to ensure perpetuation of their location in accordance with section 8771 of the business and professions code. 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 requisite corner record or record of survey of the references with the County Surveyor.



NOTE: HOUSE LATERALS INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE HEREON

Builder Area F11 Sewer Lateral Table
Unit Lateral Type TC to Inv SS Lat Crossing Unit Lateral Type TC to Inv SS Lat Crossing
4 A 8.6 Under SD 36 A 9.4 Under SD
5 A 8.7 Under SD 37 A 8.8 Under SD
6 A 9.1 Under SD 38 WYE FLAT 9.0 Under SD
7 A 9.1 Under SD 39 WYE FLAT 9.2 Under SD
8 Chimney/A 9.3 Under SD 40 A 9.4 Under SD
9 Chimney/A 9.4 Under SD 41 A 9.4 Under SD
10 Chimney/A 9.7 Under SD 42 A 9.6 Under SD
22 A 8.5 Under SD/W 43 A 9.7 Under SD
23 A 8.5 Under SD/W 44 A 9.6 Under SD
24 A 8.5 Under SD/W 45 A 9.4 Under SD
25 A 8.6 Under SD/W 46 A 9.1 Under SD
29 A 8.6 Under SD 47 A 9.0 Under SD
30 A 9.1 Under SD 48 Chimney/A 9.9 Under SD/W
31 A 9.3 Under SD 49 Chimney/A 7.7 Under SD/W
35 A 8.1 Under SD

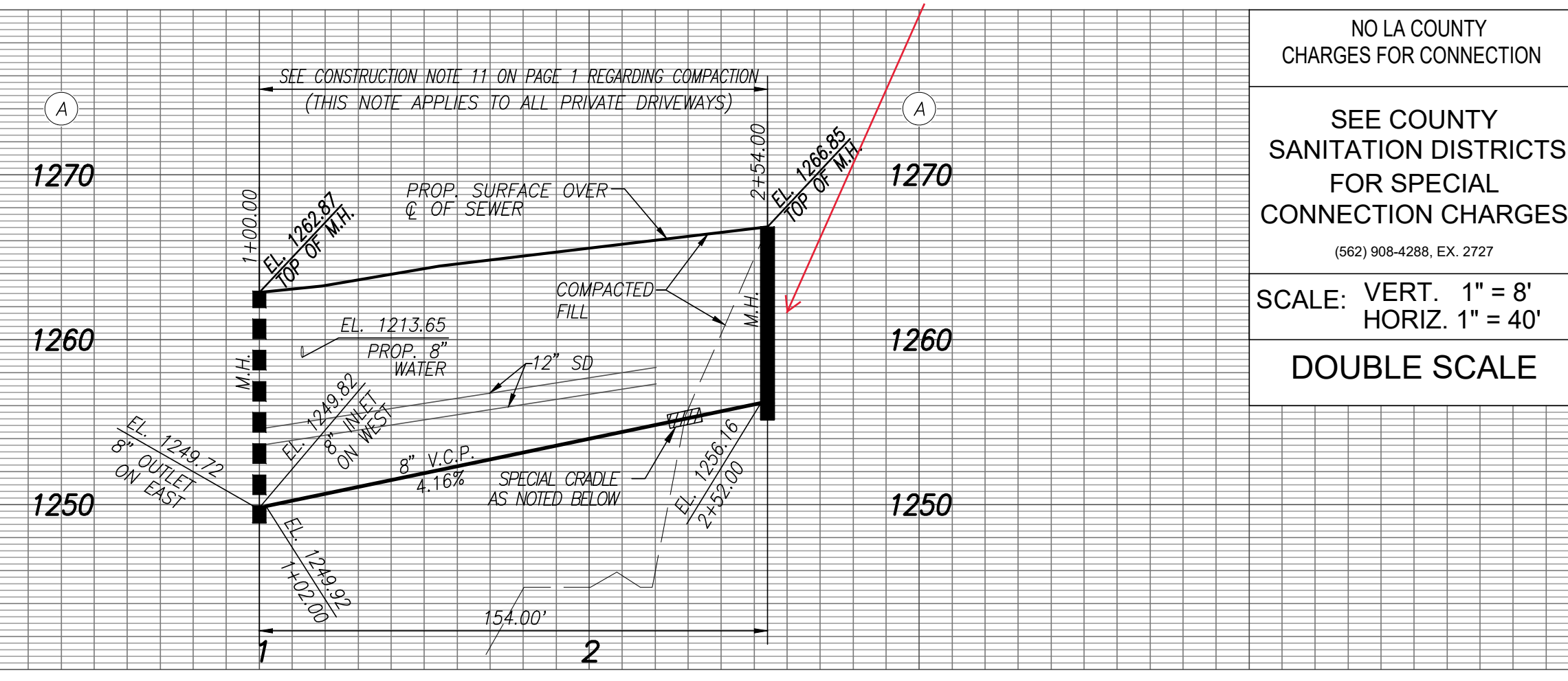
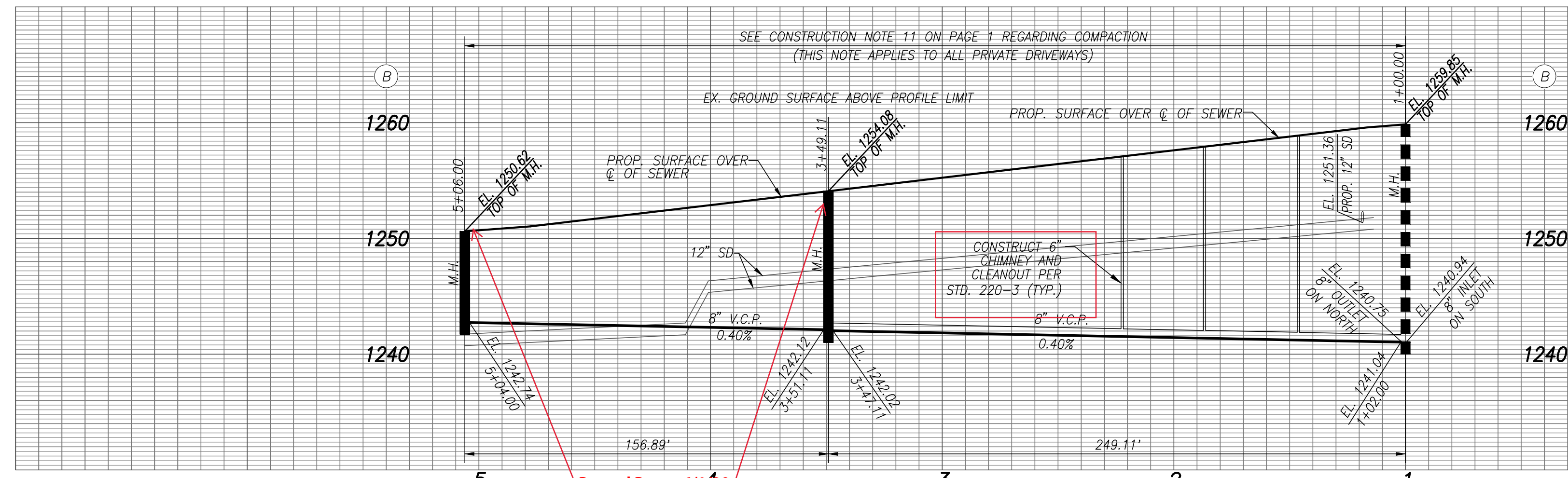
SANITARY SEWER DATA TABLE
BEARING/DELTA RADIUS LENGTH TANGENT
A N 02°03'55" W - 43.02' -
B N 04°21'39" W - 28.99' -
C 26°26'17" 305.00' 140.74' 71.64'
D N 22°04'38" E - 68.20' -
E 11°32'26" 295.00' 59.47' 29.84'
F N 10°31'33" E - 73.87' -



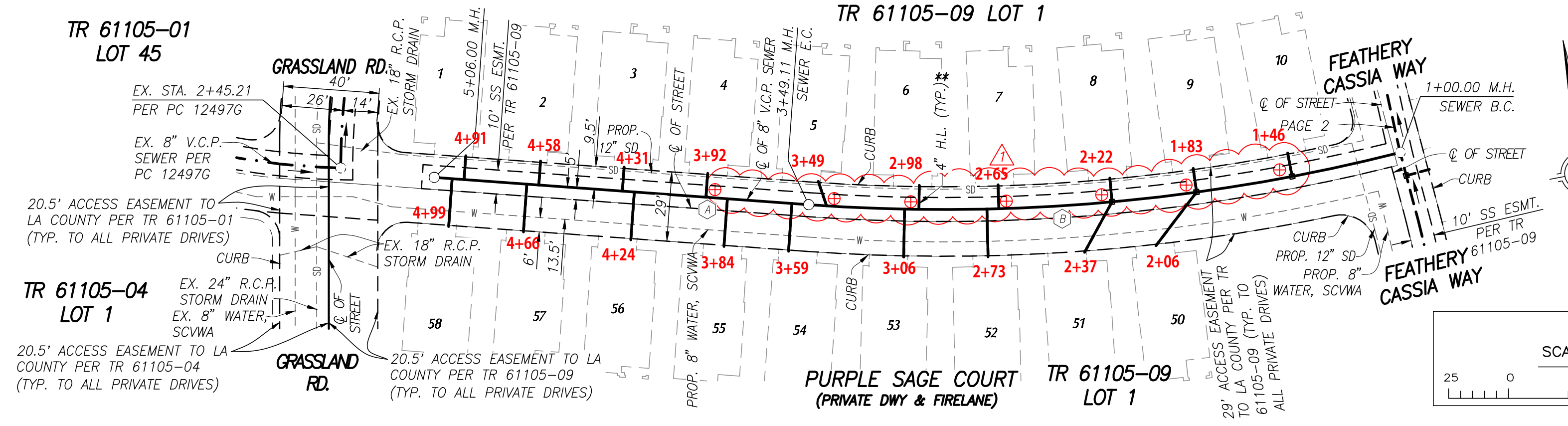
NOTE: * ACCEPTANCE OF THIS 8" LINE FOR COUNTY MAINTENANCE IS CONTINGENT UPON MEETING ALL CONSTRUCTION AND INSPECTION REQUIREMENTS FOR THE FUTURE UPSTREAM SYSTEM.
** BACKWATER VALVES SHALL BE REQUIRED FOR ALL UNITS.

SANITARY SEWER PLANS IN TRACT NO. 61105-09 LOT 1 PC NO. 12497G
REVIEWED BY LAND DEVELOPMENT DIVISION
HUNSAKER & ASSOCIATES IRVINE, INC.
PLANNING ENGINEERING SURVEYING
Three Hughes • Irvine, CA 92618 • PH: (949) 583-1010 • FX: (949) 583-0759

Vertical text on the right edge of the page, likely a page number or reference.



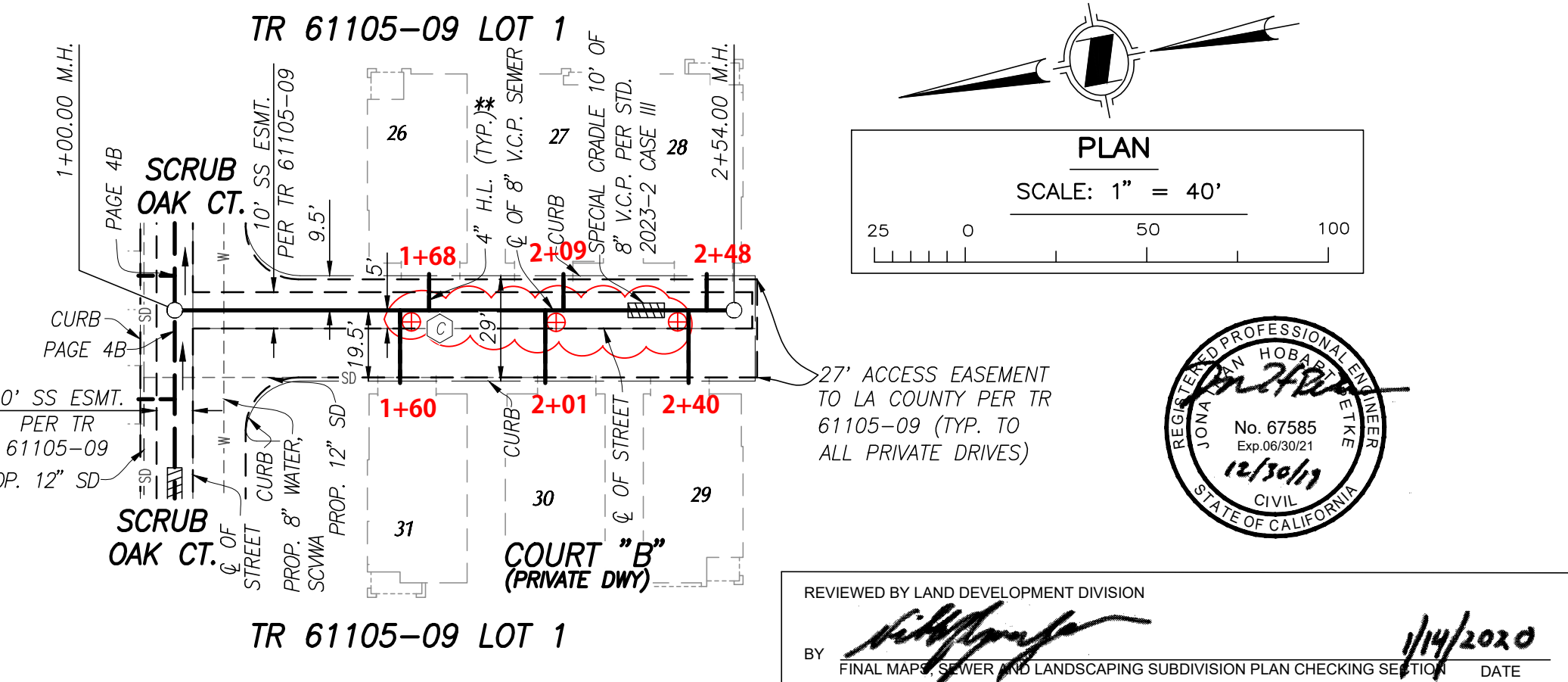
NO LA COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
(562) 908-4288, EX. 2727
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE



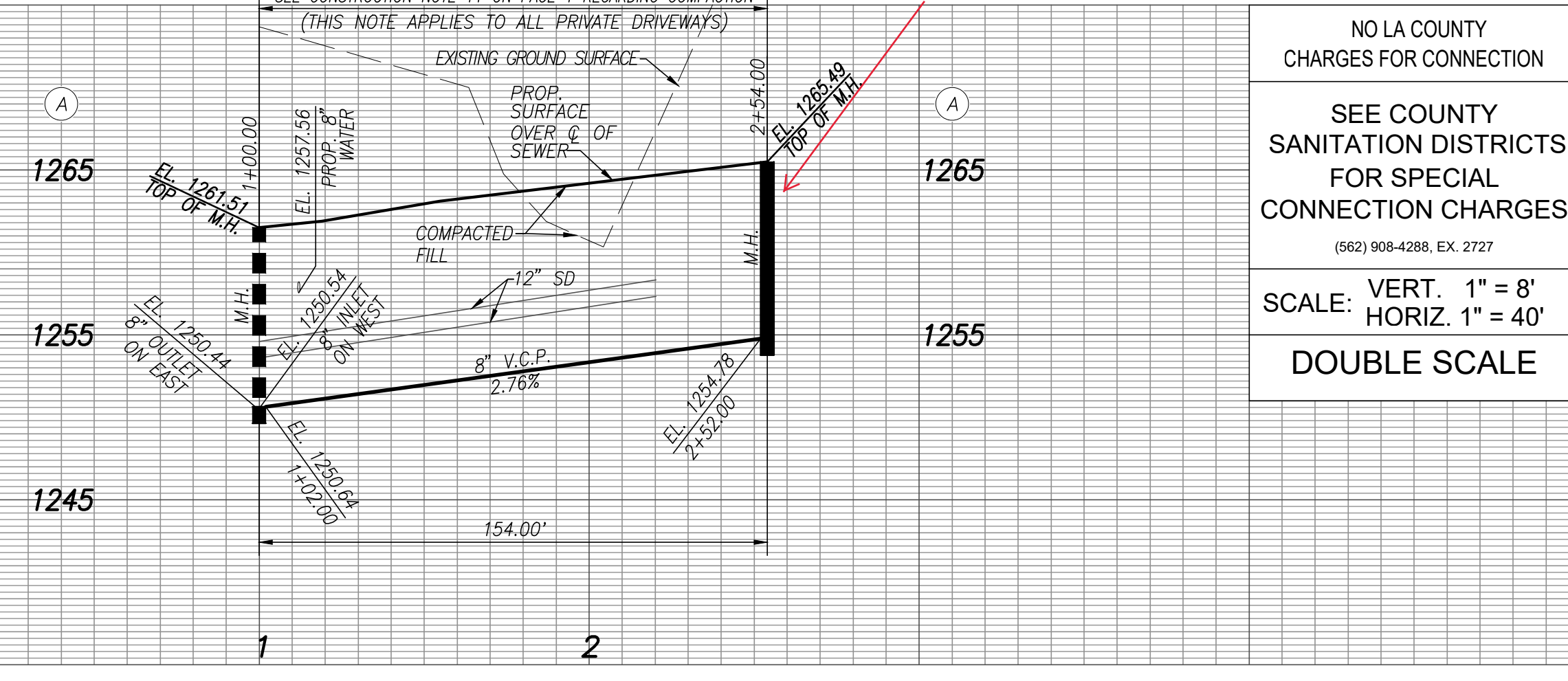
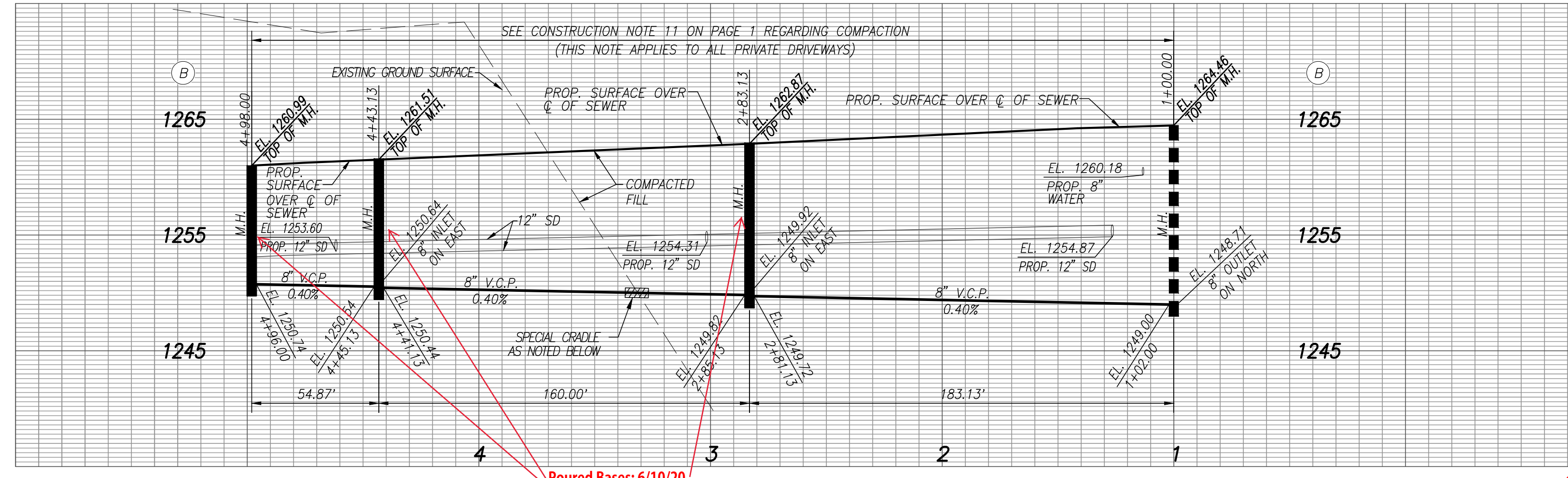
SANITARY SEWER DATA TABLE

BEARING/DELTA	RADIUS	LENGTH	TANGENT
N 75°19'13" W	-	156.89'	-
18°23'36"	776.00'	249.11'	125.64'
N 10°31'34" E	-	154.00'	-

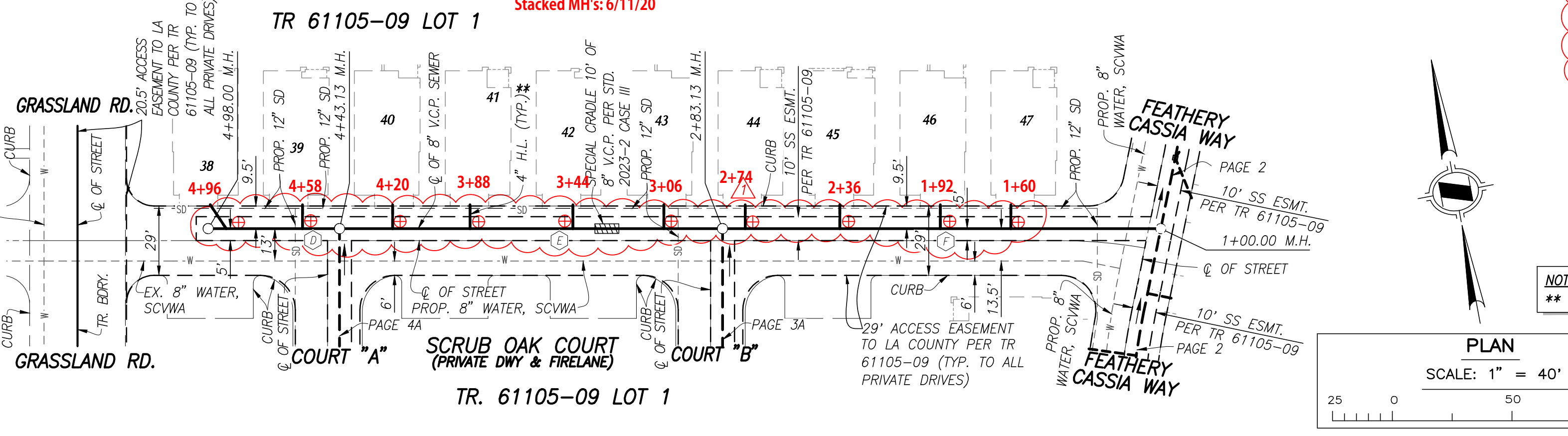
NOTE:
** BACKWATER VALVES SHALL BE REQUIRED FOR ALL UNITS.
NOTE:
⊕ HOUSE LATERALS INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE ON PAGE 2



REVIEWED BY LAND DEVELOPMENT DIVISION
BY: [Signature] DATE: 1/14/2020
FINAL MAPS SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION



NO LA COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
(562) 908-4288, EX. 2727
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE

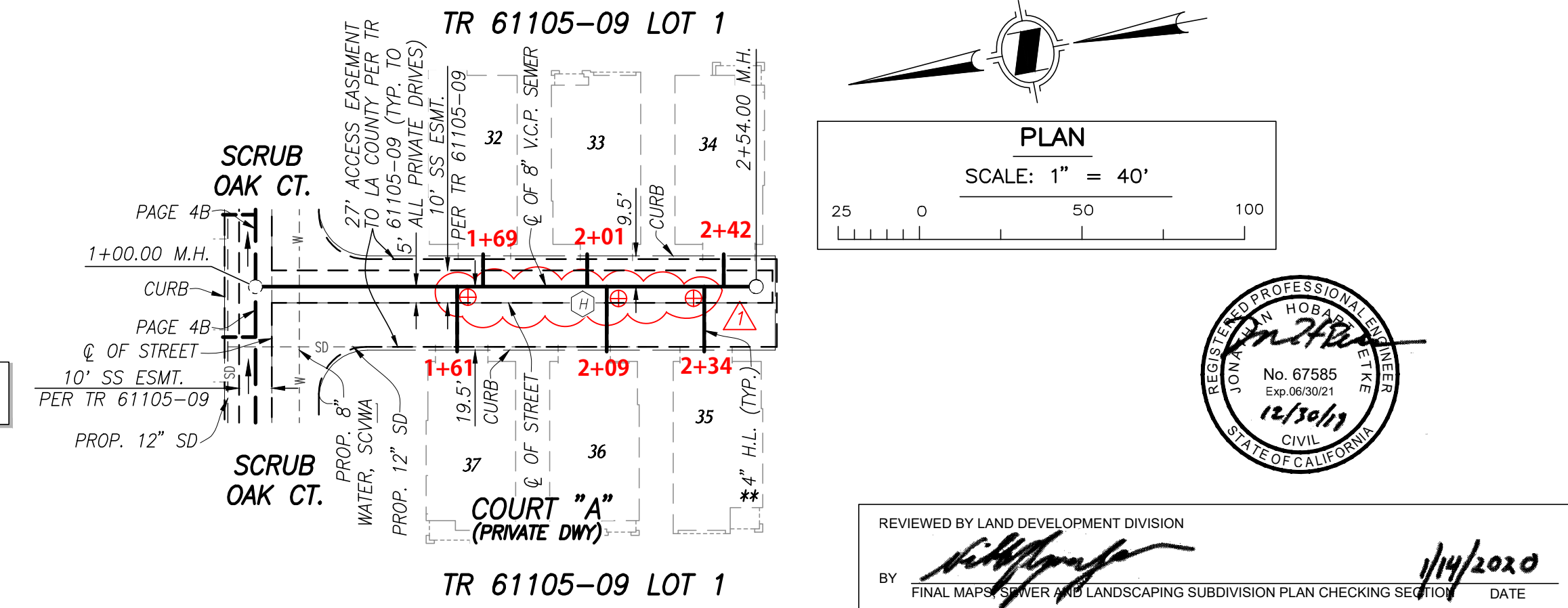


NOTE:
⊕ HOUSE LATERALS INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE ON PAGE 2

SANITARY SEWER DATA TABLE

BEARING/DELTA	LENGTH
N 79°28'26" W	54.87'
N 79°28'26" W	160.00'
N 79°28'26" W	183.13'
N 10°31'34" E	154.00'

NOTE:
** BACKWATER VALVES SHALL BE REQUIRED FOR ALL UNITS.



REVIEWED BY LAND DEVELOPMENT DIVISION
BY: [Signature] DATE: 1/14/2020
FINAL MAPS SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

C:\Newhall_Renach\61105_Mission_Village\61105_Sewer\HW423-02_PHH_SS_PC12497G_F11c.dwg Plotted On: Apr 30, 2020 - 4:47pm by Dany