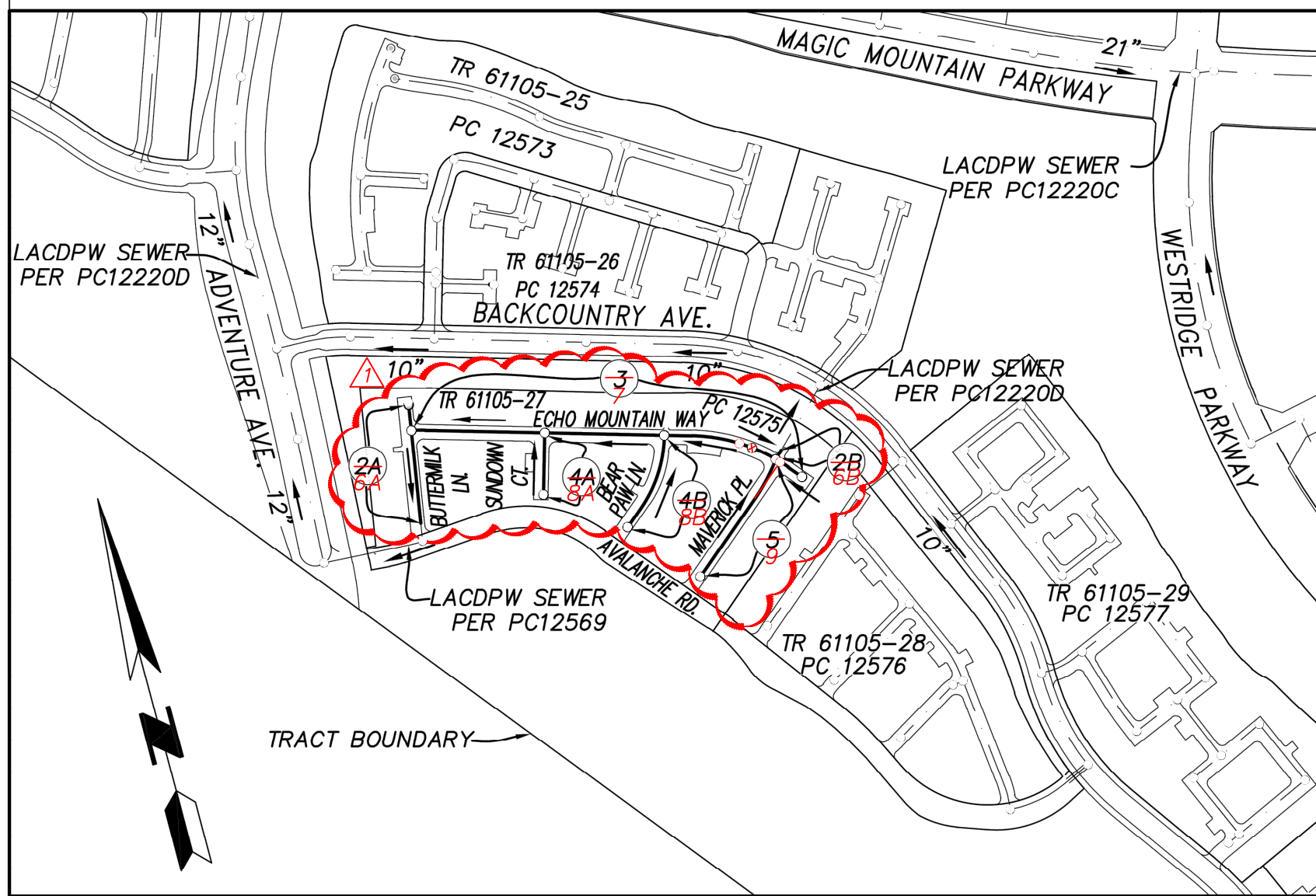


BENCH MARK:
NEWHALL QUAD (2009) NAVD 88
LACDPW L 6108
LACO BM TAG IN HEADWALL @ NE COR HENRY MAYO DRIVE
(HWY 126) & WOLCOTT WAY, 56' NORTH & 106' EAST OF
CL INT
ELEV. 957.286 FEET ADJUSTMENT 2009



INDEX MAP
SCALE: 1" = 300'
CSMD INDEX: N-1217
P.C. 12575 TR. NO. 61105-27
THOMAS GUIDE PAGE: 4549 H3, J3

STORMWATER POLLUTION PLAN NOTES

- A. NOTES:
- EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITE AT ALL TIMES.
 - 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.
 - 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 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 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 SWEEPED 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 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 | NON-STORM WATER MANAGEMENT | WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL |
|---|--|--|
| EC1 SCHEDULING | NS1 WATER CONSERVATION PRACTICES | WM1 MATERIAL DELIVERY AND STORAGE |
| EC2 PRESERVATION OF EXISTING VEGETATION | NS2 DEWATERING OPERATIONS | WM2 MATERIAL USE |
| EC3 HYDRALIC MULCH | NS3 PAVING AND GRINDING OPERATIONS | WM3 STOCKPILE MANAGEMENT |
| EC4 HYDROSEEDING | NS4 TEMPORARY STREAM CROSSING | WM4 SPILL PREVENTION AND CONTROL |
| EC5 SOIL BINDERS | NS5 CLEAR WATER DIVERSION | WM5 SOLID WASTE MANAGEMENT |
| EC6 STRAW MULCH | NS6 ILLICIT CONNECTION/DISCHARGE | WM6 HAZARDOUS WASTE MANAGEMENT |
| EC7 GEOTEXTILES & MATS | NS7 POTABLE WATER/IRRIGATION | WM7 CONTAMINATION SOIL MANAGEMENT |
| EC8 WOOD MULCHING | NS8 VEHICLE AND EQUIPMENT CLEANING | WM8 CONCRETE WASTE MANAGEMENT |
| EC9 EARTH DIKES AND DRAINAGE SWALES | NS9 VEHICLE AND EQUIPMENT FUELING | WM9 SANITARY/SEPTIC WASTE MANAGEMENT |
| EC10 VELOCITY DISSIPATION DEVICES | NS10 VEHICLE AND EQUIPMENT MAINTENANCE | WM10 LIQUID WASTE MANAGEMENT |
| EC11 SLOPE DRAINS | NS11 PILE DRIVING OPERATIONS | |
| EC12 STREAMBANK STABILIZATION | NS12 CONCRETE CURING | |
| EC13 RESERVED | NS13 CONCRETE FINISHING | |
| EC14 COMPOST BLANKETS | NS14 MATERIAL AND EQUIPMENT USE | |
| EC15 SOIL PREPARATION/ROUGHENING | NS15 DEMOLITION ADJACENT TO WATER | |
| EC16 NON-VEGETATED STABILIZATION | NS16 TEMPORARY BATCH PLANTS | |
| 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. | 2021-1 BEDDING FOR SEWER PIPE. |
| 2002-1 PRECAST CONCRETE SHALLOW MANHOLE. | 2023-2 GRADILING 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)
- | | |
|--|---|
| 200-3 PRECAST CONCRETE SEWER MANHOLE | 220-3 CHIMNEYS |
| 204-2 TERMINAL CLEANOUT STRUCTURE | 221-2 PIPE ANCHORS AND BACKFILL STABILIZERS |
| 207-2 PRECAST REINFORCED CONCRETE MANHOLE BASE | 222-2 HOUSE CONNECTION SEWER |
| 208-2 BREAKING INTO EXISTING MANHOLES | 223-2 HOUSE CONNECTION REMODELING |
| 210-3 MANHOLE FRAME AND COVER LOCKING TYPE | 225-2 BLANKET PROTECTION FOR PIPES |

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PC 12569 AND PC 12220D IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF PC12575 SANITARY SEWER UNTIL THE COUNTY FORMALLY ACCEPTS IT FOR MAINTENANCE. ALL MAINLINE, MANHOLES AND LATERALS SHALL BE PROTECTED FROM DAMAGE AND INFILTRATION.

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.

BACKWATER VALVES MAY BE REQUIRED FOR UNITS 1-62 PER PLUMBING CODE SECTION 710.

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.

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

BACKWATER VALVES MAY BE REQUIRED FOR UNITS 1-62 1-4, 8-12, 14-18, 20-22, 28-30, 38-44, 50-51 & 57-62 PER PLUMBING CODE SECTION 710.

PROFILE, ALIGNMENT, AND GRADE OF
SANITARY SEWERS
TO BE CONSTRUCTED IN
TRACT NO. 61105-27
PC NO. 12575
3 SHEETS: 9 PAGES
COUNTY OF LOS ANGELES CALIFORNIA
CSMD INDEX N-1217
EIMP 2021000331

MARK PESTRELLA LA COUNTY DIRECTOR OF PUBLIC WORKS
APPROVED BY LAND DEVELOPMENT DIVISION
BY: [Signature] 9/16/2021 DATE
ASSISTANT DIVISION ENGINEER
SUBMITTED BY: [Signature] 9/16/2021 DATE
SEWER PLAN CHECKING UNIT

NEWHALL RANCH SANITATION DISTRICT
OF LOS ANGELES COUNTY, CALIFORNIA
ROBERT C. FERRANTE - CHIEF ENGINEER and GENERAL MANAGER
APPROVED BY: [Signature] 10/12/2021 | 10:30:57 AM PDT
FOR OFFICE ENGINEER

ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS
NOTES:
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, SHELL 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] 9/15/2021 DATE
ENGINEER/SURVEYOR SEAL AND SIGNATURE
L. WHELFORD
No. 8639
STATE OF CALIFORNIA
NO EXISTING MONUMENTS OF RECORD IN THE PROJECT AREA OF THESE PLAN AT THE TIME OF SIGNATURE

PRIVATE CONTRACT SEWER GENERAL NOTES:

- A SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE LA COUNTY PUBLIC WORKS AT [HTTPS://EPICLA.LACOUNTY.GOV](https://epicla.lacounty.gov) AT LEAST 4 WEEKS PRIOR TO YOUR DESIRED START-UP DATE. COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS ROAD EXCAVATION, CALTRANS, ETC., MUST BE FILLED 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.
- WHEN WORK IS ENCRANCHING INTO FLOOD CONTROL DISTRICT EASEMENT AND/OR CROSSING ITS FACILITIES, A FLOOD CONTROL PERMIT SHALL BE OBTAINED FROM THE LA COUNTY FLOOD CONTROL DISTRICT AT [HTTPS://EPICLA.LACOUNTY.GOV](https://epicla.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.
- 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 FOR WORKER'S COMPENSATION INSURANCE WITH THE COUNTY OF LOS ANGELES 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.
- 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 LA COUNTY 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 APPLIED TO ALL PAGES.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE "STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION" INCLUDING SUPPLEMENTS (IF THERE IS ANY), THE LATEST ADDITIONS AND AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SPPWC), AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE LA COUNTY PUBLIC WORKS.
- THE CONTRACTOR'S ATTENTION IS DIRECT 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 LA COUNTY 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 LA COUNTY PUBLIC WORKS.
- NO REPRESENTATIVE OF THE LA COUNTY 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 CURBS, CENTERLINE OF STREETS, OR CENTERLINE OF ALLEYS, IS 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 LA COUNTY PUBLIC WORK 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.
- 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.
- VITRIFIED 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 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 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 LOS ANGELES COUNTY PUBLIC WORKS.
- ALL STRUCTURES SHALL BE PRECAST CONCRETE SEWER MANHOLES PER LACDPW STANDARD PLAN S-36 (SPPWC 200-3), OR REINFORCED PRECAST MANHOLE PER LACDPW STANDARD PLAN 2003-2, EXCEPT AS NOTED.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY 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 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.
- 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" IF APPLICABLE.
- MANHOLE TOPS IN IMPROVED RIGHTS OF WAY TO BE LEVEL WITH FINISHED GRADE.
- ALL CHIMNEYS AND 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 EXTRA STRENGTH VITRIFIED CLAY PIPE OR DUCTILE IRON PIPE OR OTHER APPROVED MATERIALS BY LOS ANGELES COUNTY 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 VITRIFIED CLAY PIPE IF LINING IS REQUIRED.
- ALL CHIMNEYS SHALL HAVE TERMINAL CLEANOUT STRUCTURE PER SPPWC STD. PLAN 204-2 WITH TRAFFIC RATED FRAME AND COVER.
- ALL SEWER LATERAL PIPE MATERIALS SHALL BE VITRIFIED CLAY PIPE OR OTHER APPROVED MATERIALS BY LOS ANGELES COUNTY PUBLIC WORKS.

BASIS OF BEARING

THE BEARING SHOWN HEREON ARE BASED ON THE BEARING N65°59'46"E OF THE SOUTHEASTERLY LOT LINE OF LOTS 13 AND 14 AS SHOWN ON PARCEL MAP NO. 24500-01 FILED IN BOOK 293, PAGES 34 TO 67, INCLUSIVE, OF PARCEL MAPS, RECORDS OF LOS ANGELES COUNTY.

LOS ANGELES COUNTY SANITATION DISTRICTS (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 WASTE WATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.
2. LACSD WILL NOT OWN/OPERATE ANY FACILITIES SHOWN ON THE PLANS UNLESS ALREADY OWNED BY LACSD OR UNLESS OTHERWISE SPECIFIED OR NOTES ON THESE PLANS
3. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, NOTIFY THE LA CSD SUPERINTENDENT OF MAINTENANCE AT (661) 257-4809 TO REPORT COMPLETION OF THIS LOCAL SEWER THAT INDIRECTLY DISCHARGES INTO CSD SEWER SYSTEM.

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.

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.

[Signature] No. 67585 9/15/2021
PROJECT ENGINEER RCE NO DATE

| NO. | REVISION | REVISED BY | APPROVED BY | DATE |
|-----|---|-------------|-------------|------------|
| △ | REVISED SEWER MANHOLES & UPDATED SD AND WATER, REMOVED/ADDED SHEETS | [Signature] | [Signature] | 06/08/2023 |

SANITARY SEWER PLANS IN COUNTY UNINCORPORATED AREA
TRACT NO. 61105-27 PC NO. 12575

REVIEWED /LAND DEVELOPMENT DIVISION
BY: [Signature] 09/16/2021 DATE
SEWER PLAN CHECKING UNIT

LOS ANGELES COUNTY PUBLIC WORKS

HUNSAKER & ASSOCIATES
IRVINE, INC.
PLANNING ■ ENGINEERING ■ SURVEYING
Three Hughes • Irvine, CA 92618 • PH: (949) 583-1010 • FX: (949) 583-0759



9/15/2021
PROJECT ENGINEER DATE

NO LA COUNTY PUBLIC WORKS CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (62) 908-4288 EX. 2727

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

DOUBLE SCALE

EIMP 2021000331

REVIEWED BY LAND DEVELOPMENT DIVISION

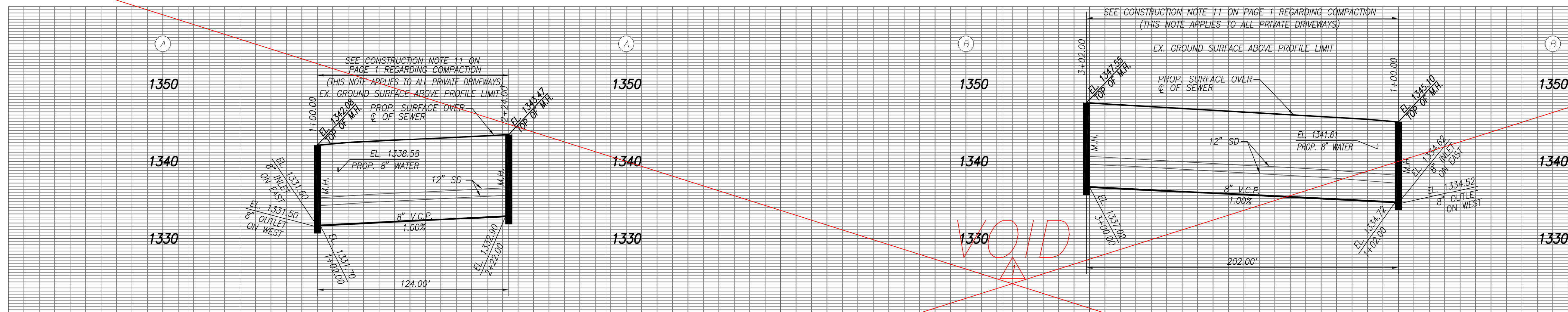
BY: *Pedro Romo*
SEWER PLAN CHECKING UNIT
DATE: 09/16/2021

| NO. | REVISION | REMOVED PAGE | REVISOR | APPROVED BY | DATE |
|-----|--------------|--------------|-----------------------|-------------------|----------|
| 1 | REMOVED PAGE | | <i>Jonathan Balle</i> | <i>Pedro Romo</i> | 06/08/23 |

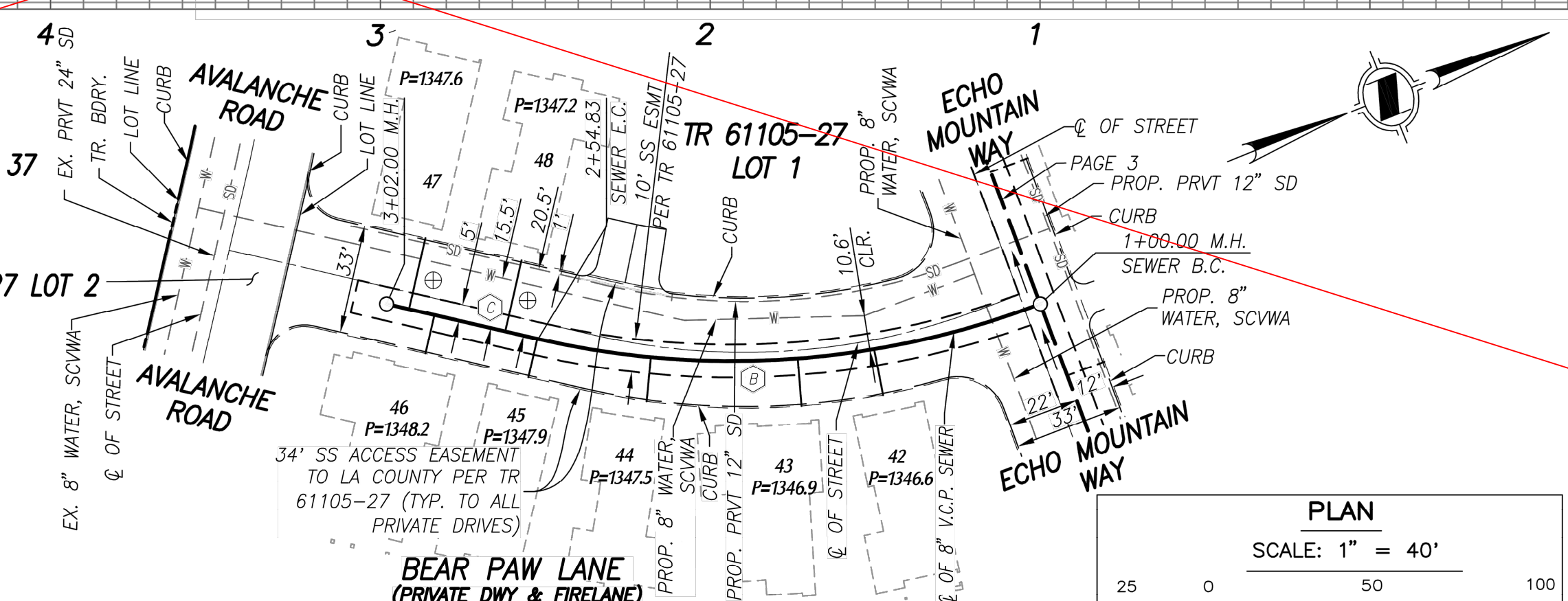
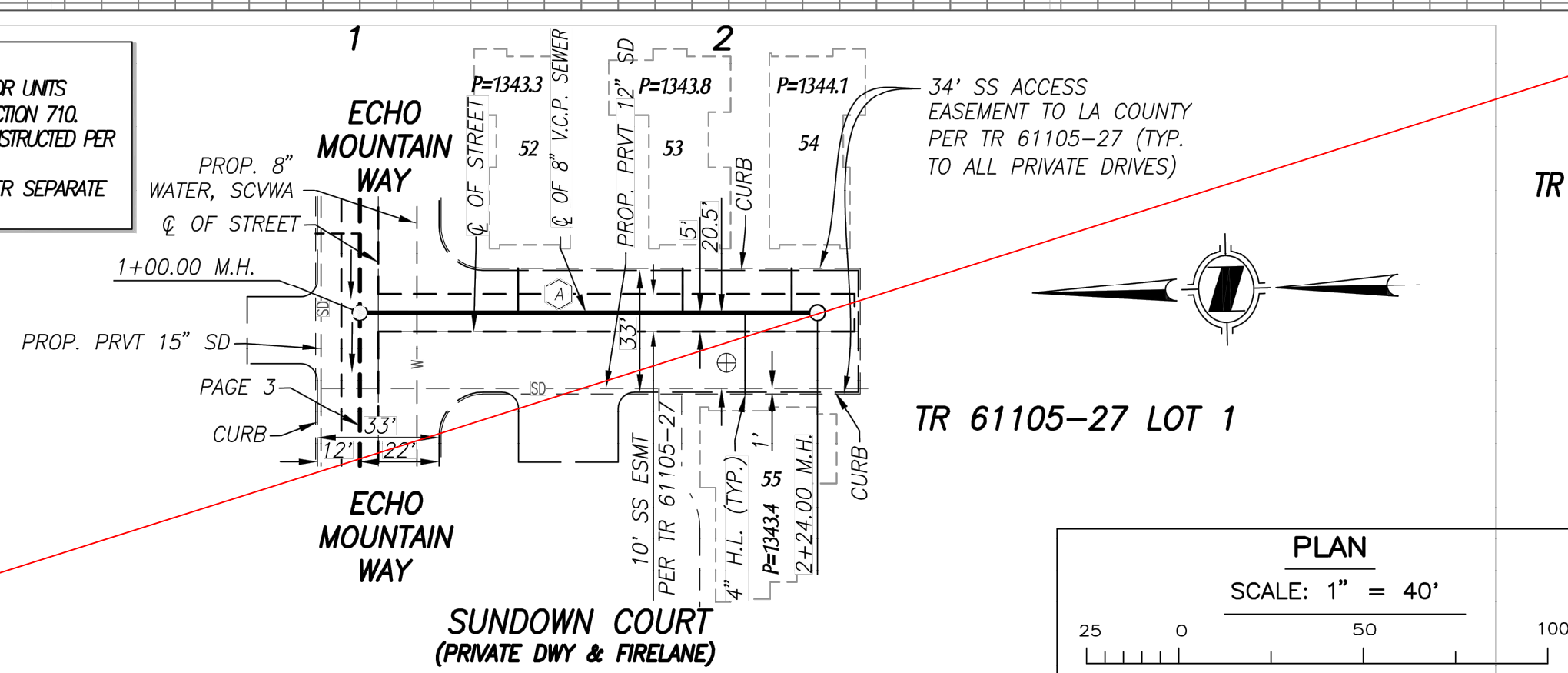


SANITARY SEWER DATA TABLE

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|-----------------|---------|---------|---------|
| Ⓐ N 01°12'39" E | | 124.00' | - |
| Ⓑ 34°07'15" E | 260.00' | 154.83' | 79.79' |
| Ⓒ N 34°51'17" E | - | 47.17' | - |



NOTE:
** BACKWATER VALVES MAY BE REQUIRED FOR UNITS 42-48 & 52-55 PER PLUMBING CODE SECTION 710.
⊕ HOUSE LATERALS INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE ON PAGE 5.
*** ALL STORM DRAIN AND WATER IS PER SEPARATE PLAN AND PERMIT



NO LA COUNTY PUBLIC WORKS CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL: (62) 908-4288 EX. 2727

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

DOUBLE SCALE

EIMP 2021000331

REVIEWED BY LAND DEVELOPMENT DIVISION

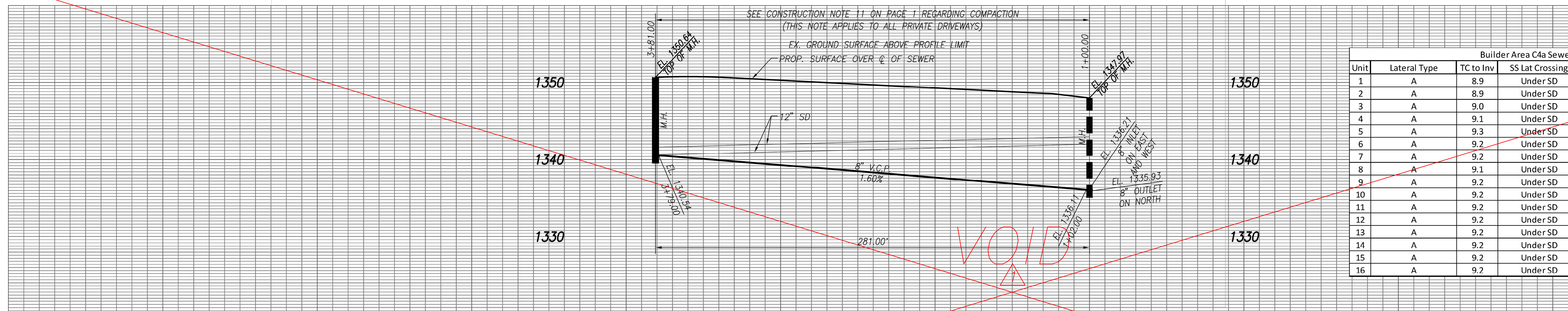
BY: *Pedro Romo*
SEWER PLAN CHECKING UNIT
DATE: 09/16/2021

| NO. | REVISION | REMOVED PAGE | REVISOR | APPROVED BY | DATE |
|-----|--------------|--------------|-----------------------|-------------------|----------|
| 1 | REMOVED PAGE | | <i>Jonathan Balle</i> | <i>Pedro Romo</i> | 06/08/23 |

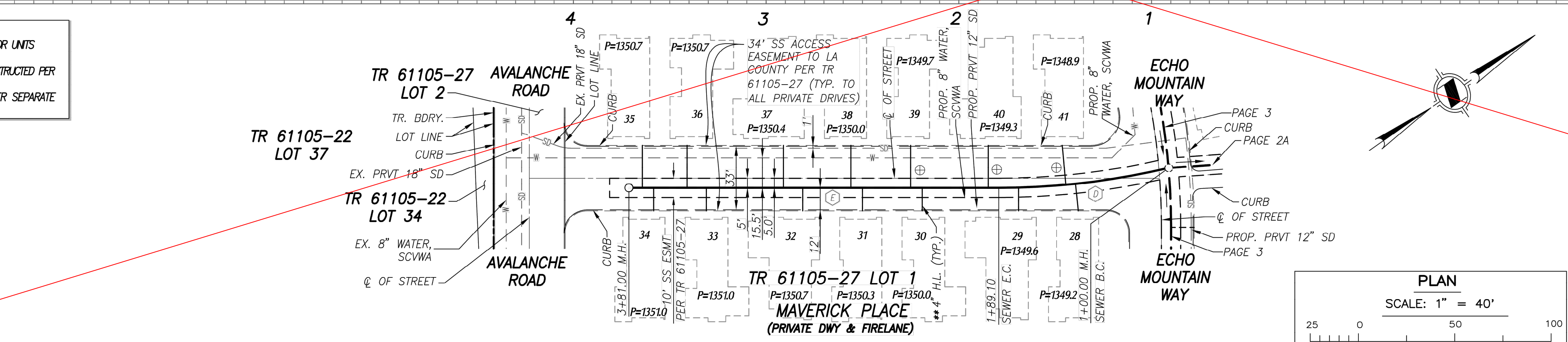


SANITARY SEWER DATA TABLE

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|-----------------|---------|---------|---------|
| Ⓐ 13°26'05" E | 380.00' | 89.10' | 44.76' |
| Ⓑ N 34°51'17" E | - | 194.90' | - |



NOTE:
** BACKWATER VALVES MAY BE REQUIRED FOR UNITS 28-41 PER PLUMBING CODE SECTION 710.
⊕ HOUSE LATERAL INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE HEREON.
*** ALL STORM DRAIN AND WATER IS PER SEPARATE PLAN AND PERMIT.

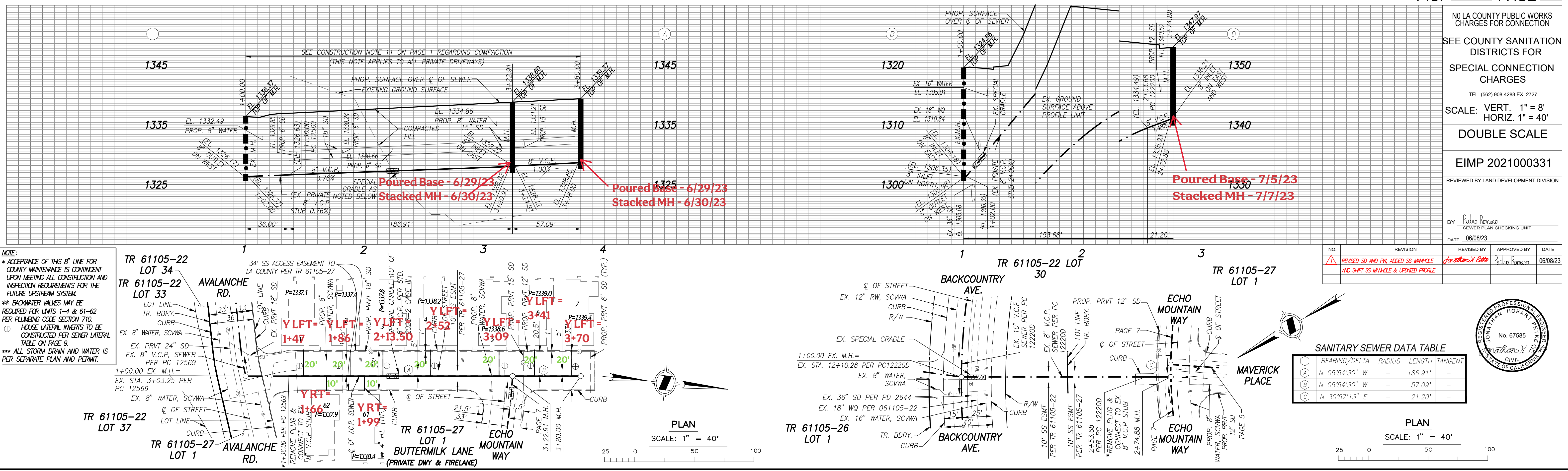


| Unit | Lateral Type | TC to Inv | SS Lat Crossing | Unit | Lateral Type | TC to Inv | SS Lat Crossing |
|------|--------------|-----------|-----------------|------|--------------|-----------|-----------------|
| 1 | A | 8.9 | Under SD | 17 | A | 9.2 | Under SD |
| 2 | A | 8.9 | Under SD | 18 | A | 9.2 | Under SD |
| 3 | A | 9.0 | Under SD | 19 | A | 9.2 | Under SD |
| 4 | A | 9.1 | Under SD | 20 | A | 9.4 | Under SD |
| 5 | A | 9.3 | Under SD | 21 | A | 9.3 | Under SD |
| 6 | A | 9.2 | Under SD | 22 | A | 9.2 | Under SD |
| 7 | A | 9.2 | Under SD | 23 | A | 9.1 | Under SD |
| 8 | A | 9.1 | Under SD | 24 | A | 9.0 | Under SD |
| 9 | A | 9.2 | Under SD | 26 | A | 7.6 | Under SD |
| 10 | A | 9.2 | Under SD | 27 | A | 7.7 | Under SD |
| 11 | A | 9.2 | Under SD | 39 | A | 9.7 | Under SD |
| 12 | A | 9.2 | Under SD | 40 | A | 9.1 | Under SD |
| 13 | A | 9.2 | Under SD | 41 | A | 8.5 | Under SD |
| 14 | A | 9.2 | Under SD | 47 | A | 9.4 | Under SD |
| 15 | A | 9.2 | Under SD | 48 | A | 9.3 | Under SD |
| 16 | A | 9.2 | Under SD | 55 | A | 9.1 | Under SD |

Alex Staats

Installed 6/19 - 6/21/23
Air Test - 4/2/24 (passed)

Installed 6/14 - 6/16/23
Air Test - 6/26/24 (passed)



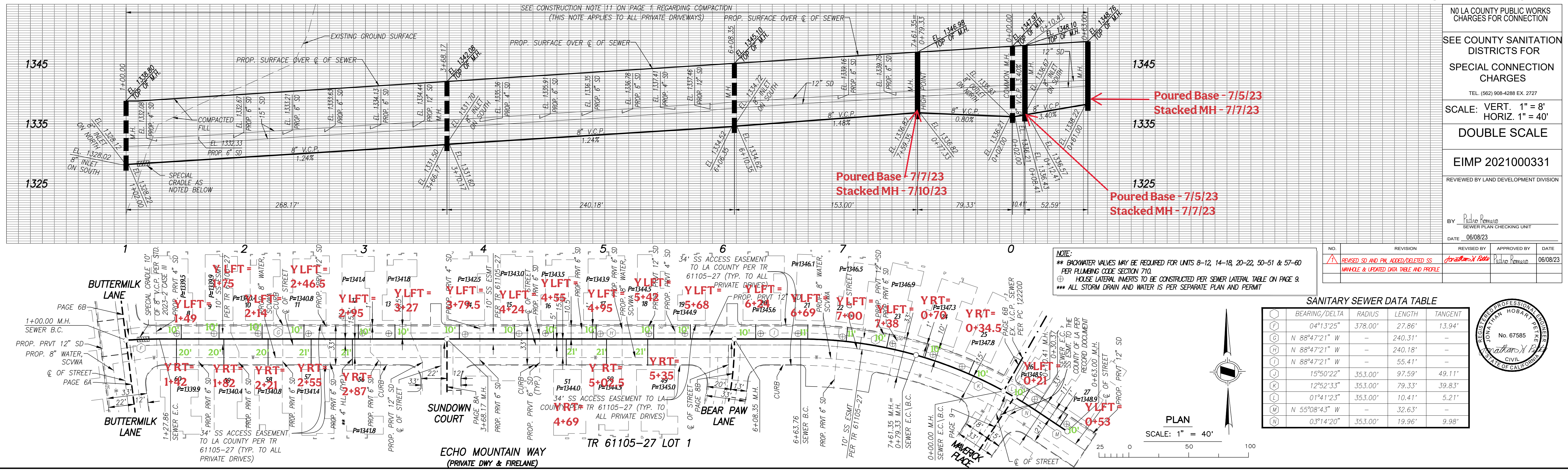
NOTE:
* ACCEPTANCE OF THIS 8" LINE FOR COUNTY MAINTENANCE IS CONTINGENT UPON MEETING ALL CONSTRUCTION AND INSPECTION REQUIREMENTS FOR THE FUTURE UPSTREAM SYSTEM.
** BACKWATER VALVES MAY BE REQUIRED FOR UNITS 1-4 & 61-62 PER PLUMBING CODE SECTION 710.
+ HOUSE LATERAL INVERTS TO BE CONSTRUCTED PER SEWER LATERAL TABLE ON PAGE 9.
*** ALL STORM DRAIN AND WATER IS PER SEPARATE PLAN AND PERMIT.

| NO. | REVISION | APPROVED BY | DATE |
|-----|---|-------------|----------|
| 1 | REVISED SD AND PW, ADDED SS MANHOLE AND SWFT SS MANHOLE & UPDATED PROFILE | Alex Staats | 06/08/23 |

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|---------------|--------|---------|---------|
| N 05°54'30" W | - | 186.91' | - |
| N 05°54'30" W | - | 57.09' | - |
| N 30°57'13" E | - | 21.20' | - |



PLAN
SCALE: 1" = 40'



| NO. | REVISION | APPROVED BY | DATE |
|-----|--|-------------|----------|
| 1 | REVISED SD AND PW, ADDED/DELETED SS WHOLE & UPDATED DATA TABLE AND PROFILE | Alex Staats | 06/08/23 |

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|---------------|---------|---------|---------|
| 04°13'25" | 378.00' | 27.86' | 13.94' |
| N 88°47'21" W | - | 240.31' | - |
| N 88°47'21" W | - | 240.18' | - |
| N 88°47'21" W | - | 55.41' | - |
| 15°50'22" | 353.00' | 97.59' | 49.11' |
| 12°52'33" | 353.00' | 79.33' | 39.83' |
| 01°41'23" | 353.00' | 10.41' | 5.21' |
| N 55°08'43" W | - | 32.63' | - |
| 03°14'20" | 353.00' | 19.96' | 9.98' |



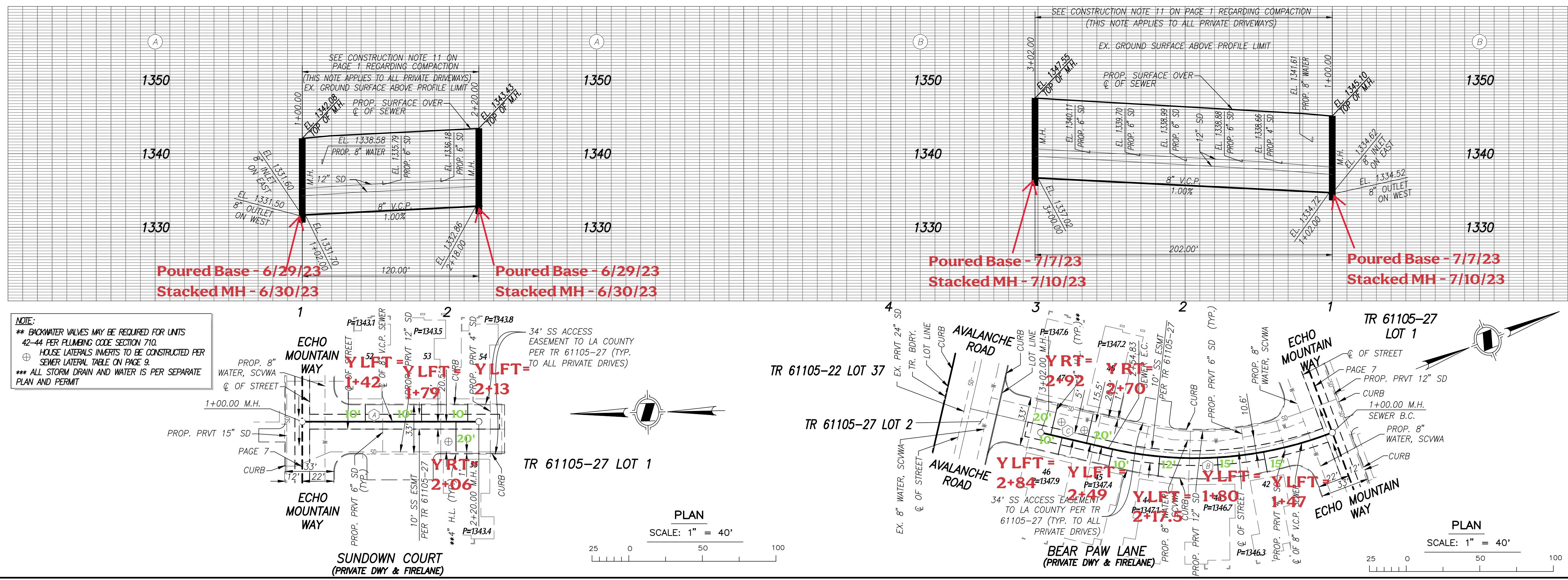
PLAN
SCALE: 1" = 40'

SHEET 6
TR 61105-27 PC 12575

Alex Staats

Installed 6/27 - 6/28/23
Air Test - 6/24/24 (passed)

Installed 7/5 - 7/7/23

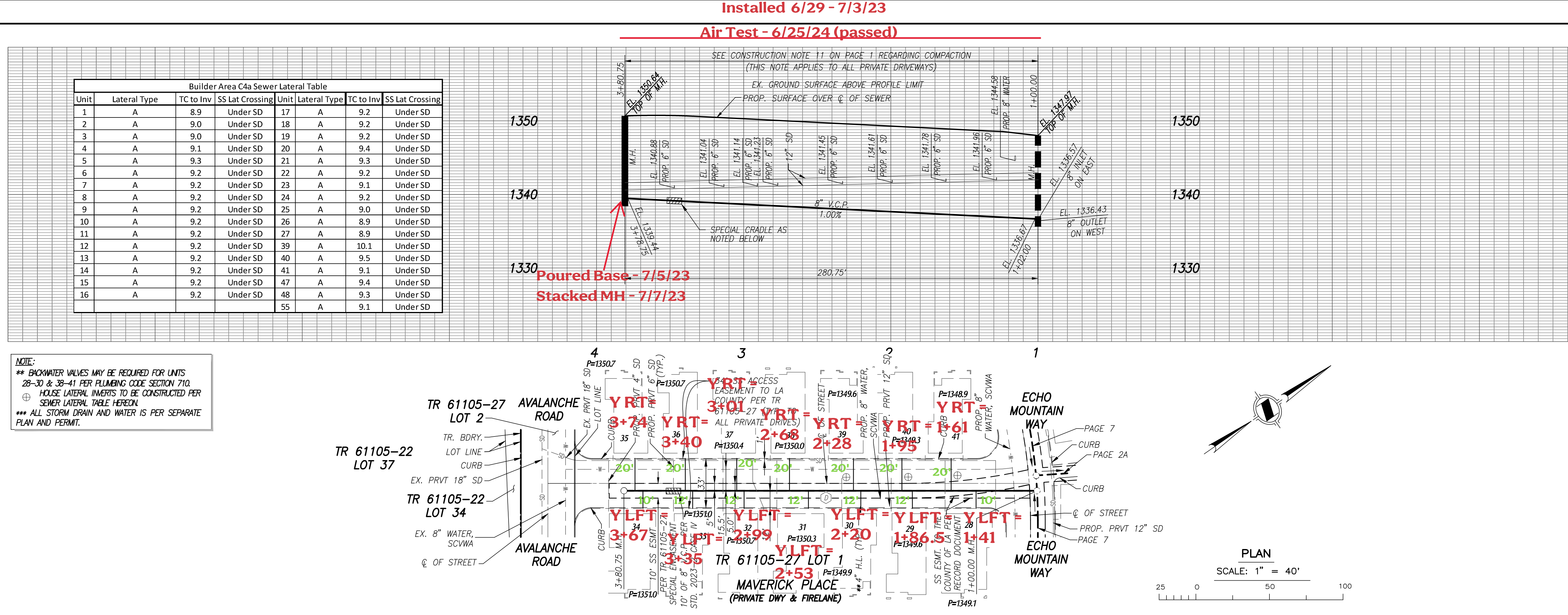


NO LA COUNTY PUBLIC WORKS CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL: (562) 908-4288 EX. 2727
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE
EIMP 2021000331
REVIEWED BY LAND DEVELOPMENT DIVISION

| NO. | REVISION | REVISOR | APPROVED BY | DATE |
|-----|---|-------------|-------------|----------|
| 1 | REVISED SD AND PW, SHORTEN SS LINE & SHIFTED SS MANHOLE & UPDATED PROFILE | Alex Staats | P. Staats | 06/08/23 |

SANITARY SEWER DATA TABLE

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|-----------------|---------|---------|---------|
| A N 01°12'39" E | - | 120.00' | - |
| B 34°07'15" E | 260.00' | 154.83' | 79.79' |
| C N 34°51'17" E | - | 47.17' | - |



Builder Area C4a Sewer Lateral Table

| Unit | Lateral Type | TC to Inv | SS Lat Crossing | Unit | Lateral Type | TC to Inv | SS Lat Crossing |
|------|--------------|-----------|-----------------|------|--------------|-----------|-----------------|
| 1 | A | 8.9 | Under SD | 17 | A | 9.2 | Under SD |
| 2 | A | 9.0 | Under SD | 18 | A | 9.2 | Under SD |
| 3 | A | 9.0 | Under SD | 19 | A | 9.2 | Under SD |
| 4 | A | 9.1 | Under SD | 20 | A | 9.4 | Under SD |
| 5 | A | 9.3 | Under SD | 21 | A | 9.3 | Under SD |
| 6 | A | 9.2 | Under SD | 22 | A | 9.2 | Under SD |
| 7 | A | 9.2 | Under SD | 23 | A | 9.1 | Under SD |
| 8 | A | 9.2 | Under SD | 24 | A | 9.2 | Under SD |
| 9 | A | 9.2 | Under SD | 25 | A | 9.0 | Under SD |
| 10 | A | 9.2 | Under SD | 26 | A | 8.9 | Under SD |
| 11 | A | 9.2 | Under SD | 27 | A | 8.9 | Under SD |
| 12 | A | 9.2 | Under SD | 39 | A | 10.1 | Under SD |
| 13 | A | 9.2 | Under SD | 40 | A | 9.5 | Under SD |
| 14 | A | 9.2 | Under SD | 41 | A | 9.1 | Under SD |
| 15 | A | 9.2 | Under SD | 47 | A | 9.4 | Under SD |
| 16 | A | 9.2 | Under SD | 48 | A | 9.3 | Under SD |
| | | | | 55 | A | 9.1 | Under SD |

NO LA COUNTY PUBLIC WORKS CHARGES FOR CONNECTION
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TEL: (562) 908-4288 EX. 2727
SCALE: VERT. 1" = 8'
HORIZ. 1" = 40'
DOUBLE SCALE
EIMP 2021000331
REVIEWED BY LAND DEVELOPMENT DIVISION

| NO. | REVISION | REVISOR | APPROVED BY | DATE |
|-----|---|-------------|-------------|----------|
| 1 | REVISED SD, PW, AND SS & JOIN TO NEW SS MANHOLE & UPDATED PROFILE | Alex Staats | P. Staats | 06/08/23 |

SANITARY SEWER DATA TABLE

| BEARING/Delta | RADIUS | LENGTH | TANGENT |
|-----------------|--------|---------|---------|
| A N 34°51'17" E | - | 280.75' | - |

