

APPLICABLE CODES 2022 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PART 1 - CALIFORNIA BUILDING CODE VOLUMES 1 & 2 PART 2 - CALIFORNIA MECHANICAL CODE PART 3 - CALIFORNIA PLUMBING CODE PART 4 - CALIFORNIA ELECTRICAL CODE PART 5 - CALIFORNIA EXISTING BUILDINGS CODE PART 7 - CALIFORNIA ENERGY CODE PART 6 - CALIFORNIA FIRE CODE PART 8 - CALIFORNIA RESIDENTIAL BUILDING CODE PART 9 - CALIFORNIA GREEN BUILDING STANDARDS CODE PART 10 - CALIFORNIA HISTORICAL BUILDING CODE 2022 CALIFORNIA ADA STANDARDS FOR ACCESSIBLE DESIGN						DEFERRED APPROVALS: FIRE SPRINKLERS: PROVIDE AN AUTOMATIC FIRE SPRINKLER SYSTEM DESIGNED PER NFPA 13D NOTE: A SEPARATE PERMIT FOR THE SPRINKLER SYSTEM IS APPLIED FOR WITH THE COUNTY FIRE PROTECTION DISTRICT. NO PERMIT WILL BE ISSUED PRIOR TO APPROVAL OF THE FIRE PROTECTION SYSTEMS.						ENGINEERING TRUSSES NOTE: PRIOR TO INSTALLATION OF TRUSSES, TWO COPIES OF THE FOLLOWING MATERIALS BEARIN GHT APPROVAL OF THE DESIGNER(IN THE FORM OF SHOP DRAWING APPROVAL OR SEPARATE LETTER) MUST BE SUBMITTED TO THE BUILDING OFFICIAL FOR REVIEW AT L;EAST 2 WEEKS PRIOR TO FRAME INSPECTION 1. TRUSS LAYOUT DRAWINGS 2. TRUSS CALCULATIONS & DETAILS SHOWING AXIAL & BENDING STRESS & JOINT DESIGNS, CLEARLY INDICATING THAT DESIGN.						SOLAR PANELS PROVIDE A SOLAR SYSTEM DESIGN TO THE COUNTY FOR APPROVAL PRIOR TO INSTALLATION						HERS REQUIREMENTS BUILDING-LEVEL VERIFICATIONS: • QUALITY INSULATION INSTALLATION (QII) • INDOOR AIR QUALITY VENTILATION • KITCHEN RANGE HOOD COOLING SYSTEM VERIFICATIONS: • MINIMUM AIRFLOW • VERIFIED EER • VERIFIED SEER • VERIFIED REFRIGERANT CHARGE • FAN EFFICACY WATTS/CFM HEATING SYSTEM VERIFICATIONS: • -- NONE -- HVAC DISTRIBUTION SYSTEM VERIFICATIONS: • DUCT LEAKAGE TESTING DOMESTIC HOT WATER SYSTEM VERIFICATIONS: • -- NONE --						RESIDENCE IS LOCATED WITHIN WILDLAND URBAN INTERFACE ZONE 1. CLASS "A" ROOFING - LIGHT WGT. CONC ROOFING - BORAL FLAT SHINGLE - SEE SHEET A-8.0 2. WALL CONSTRUCTION SHALL BE PER NOTES AND DETAILS ON SHEETS A-13. 3. MIN. 26 GA GALV. VALLEY FLASHING OVER MIN. 36"-WIDE 90# MINERAL-SURFACED NON-PERFORATED CAP SHEET. 4. GUTTERS SHALL BE PROVIDED WITH A MEANS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS - MILL-FINISH ALUMINUM GUTTER GUARDS W/ 1/8" SCREENING - SEE SHEET A-6.0. 5. ATTIC VENTILATION VENTS SHALL HAVE OPENINGS THAT ARE A MIN. OF 1/16" AND A MAX. OF 1/8", AND SHALL BE NONCOMBUSTIBLE AS WELL AS CORROSION RESISTANT. VULCAN VENTS & O'HAGEN ROOF VENTS - SEE SHEET A-6.0. 6. ALL EAVES AND SOFFITS SHALL BE PROTECTED WITH CEMENT PLASTER (STUCCO) TO MATCH WALLS. 7. ALL WINDOWS AND EXTERIOR GLAZED DOORS SHALL HAVE A FIRE-RESISTANT RATING OF 20 MINUTES, AND BE GLAZED WITH TEMPERED GLASS. 8. DECKING SHALL BE PROTECTED PER CBC PART 2.5, SECTION R337.9 - ALL GROUND-LEVEL PATIOS SHALL BE POURED CONCRETE, AND ALL SECOND-FLOOR WOOD DECKS SHALL BE TILE W/ A MUDBED & MTL LATH OVER A WATERPROOF MEMBRANE - SEE DETAIL 5, SHEET A-14.0. THE EXPOSED-TO-EXTERIOR UNDERSIDE OF ALL ELEVATED WOOD DECKS SHALL HAVE "JAMES HARDIE V- GROOVE" SIDING ATTACHED. 9. PRIOR TO RECEIVING BUILDING-PERMIT FINAL APPROVAL, THE PROPERTY SHALL BE MADE TO COMPLY WITH THE VEGETATION MANAGEMENT REQUIREMENTS PRESCRIBED IN THE CALIFORNIA FIRE CODE SECTION 4906, INCLUDING CALIFORNIA PUBLIC RESOURCES CODE 4291 OR CALIFORNIA GOVERNMENT CODE SECTION 51182.						VICINITY MAP SCALE: N.T.S PROJECT INFORMATION OWNER LOCATION APN LOT AREA ZONING OCCUPANCY AUTOMATIC FIRE SPRINKLERS TYPE OF CONSTRUCTION NUMBER OF STORIES BUILDING HEIGHT (Max.) BUILDING HEIGHT (Actual) JAMES LE BELLA MADIERA, SAN JOSE, CA 95127 654-64-012 3.73 ACRES HS-D1 R-3 FIRE SPRINKLERS WILL BE INSTALLED V-B 3 (THREE) 35'-0" 34'-0" LIVING AREA A LOWER LEVEL AREA B MAIN FLOOR AREA C UPPER FLOOR AREA D TOTAL LIVING AREA (A+B+C) E GARAGE AREA F TOTAL AREA (D+E) 1,161 SQ.FT 2,520 SQ.FT 1,924 SQ.FT 5,605 SQ.FT 880 SQ.FT 6,485 SQ.FT PATIO AND DECK AREA G LOWER LEVEL (COVERED PORCH) H MAIN FLOOR (COVERED DECK) I MAIN FLOOR (OPEN DECK) J UPPER FLOOR (OPEN DECK) K TOTAL COVERED AREA (G+H) L TOTAL AREA (INCLUDING PATIO) (F+K) 38 SQ.FT 292 SQ.FT 298 SQ.FT 269 SQ.FT 330 SQ.FT 6,815 SQ.FT						CIVIL ENGINEERING INDER DESIGN BUILD LLC MAJIT SAINI, P.E. 5890 STONERIDGE DR. SUITE 109 PLEASANTON. CA 94588 408-313-5400 Manjit.saini@iengco.com STRUCTURAL ENGINEERING HJH ENGINEERING JACK HADJIAN 23006 ERWIN ST. WOODLAND, CA 91367 818 519 8572 hjhengeenring.com ENERGY COMPLIANCE NRG COMPLIANCE INC. PO Box 3777 Santa Rosa, CA 95402 TEL 707-237-6957 CALGREEN CALGREEN SERVICES GARY WELCH - PRINCIPAL 12849 CRESTHAVEN DRIVE, GROVELAND CA 95321 707-328-5299						SUBMITTAL TO PLANNING APPROVAL FOR JAMES LE RESIDENTIAL DEVELOPMENT BELLA MADEIRA LANE SAN JOSE, CA, 95127 [APN 654-64-012] ABBREVIATIONS AND INDICATIONS A.B. ANCHOR BOLT A/C ASPHALTIC CONC ACC. ALUMINUM BLK BLOCK C.J. COLD JOINT CONC CONCRETE CONT CONTINUOUS C.I. CAST IRON DF DOUGLAS FIR ELEV ELEVATION (E) EXISTING EXIST EXISTING EXT EXTERIOR F.E. FIRE EXTINGUISHER FIN FINISH F.O.C. FACE OF CONC F.O.B. FACE OF BLOCK F.O.S. FACE OF STUD FDN FOUNDATION FTG FOOTING GALV GALVANIZED G.I. GALVINIZED IRON GYP. BD. GYPSUM BOARD H.B. HOSE BIBB INSUL INSULATION INT INTERIOR INV INVERT M.B. MACHINE BOLT M.C. MEDICINE CHEST MIN. MINIMUM MTL METAL N.I.C. NOT IN CONTRACT NTS NOM O/C OPG. LAM PLAS PL GL PLY RDWD RWL SIM TEMP GL T & G T.O.C. T.O.P. TYP UN UNLESSOTHERWISENOTED VGDF FIR W/ WC WWF TH NOT TO SCALE NOMINAL ON CENTER OPENING LAMINATED PLASTIC PLATE GLASS PLYWOOD REDWOOD RAIN WATER LEADER SIMILAR TEMPERED GLASS TONGUE AND GROOVE TOP OF CURB TOP OF PLATE TYPICAL UNLESSOTHERWISENOTED VERTICAL GRAIN DOUGLAS WITH WATER CLOSET WELEDDED WIRE FABRIC THRESHOLD ARCHITECTURAL A-1.0 COVER SHEET CL-1.0 CALGREEN RESIDENTIAL SHEET-1 CL-2.0 CALGREEN RESIDENTIAL SHEET-2 A-2.0 LOWER LEVEL PLAN & AREA CALCULATIONS A-2.1 MAIN FLOOR PLAN & AREA CALCULATIONS A-2.2 UPPER FLOOR PLAN & AREA CALCULATIONS A-3.0 LOWER LEVEL FLOOR PLAN A-4.0 MAIN FLOOR PLAN A-5.0 UPPER FOOR PLAN A-6.0 ROOF PLAN A-7.0 NORTH AND WEST ELEVATIONS A-8.0 SOUTH AND EAST ELEVATIONS A-9.0 BUILDING SECTION A-10 BUILDING SECTION A-11 BUILDING SECTIONS A-12 BUILDING SECTION CIVIL PLANS G-00 COVER SHEET AND GENERAL NOTES G-01 EXISTING SITE CONDITIONS G-02 TOPOGRAPHIC SURVEY G-03 RECORD OF SURVEY C-1.0 SITE GRADING KEY PLAN C-1.1 FIRE TURNAROUND PLAN & FIRE HYDRANT LOCATION PLAN C-2.0 GRADING & DRAINAGE PLAN (1OF2) C-2.1 GRADING & DRAINAGE PLAN (2OF2) C-3.0 DRIVEWAY GRADING PLAN AND PROFILE C-4.0 BUILDING LAYOUT & UTILITIES LOCATION C-5.0 HOUSE PAD SECTION C-6.0 SECTIONS C-7.0 DRIVEWAY CROSS SECTIONS & APPROACH PLAN AND PROFILE D-1 GRADING DETAIL D-2 DETAILS ESC-1 EROSION CONTROL PLAN TPZ-1 TREE LOCATION PLAN SWMP STORMWATER MANAGEMENT PLAN LANDSCAPE DRAWINGS L-1 PLANTING AND TREE MITIGATION PLAN L-2 IRRIGATION PLAN L-3 DETAILS						STEVE BENZING ARCHITECT C-17985 ADDRESS: 12103 FREDERICKSBURG SARATOGA, CA TEL: 408-805-1328 EMAIL: steve@benzarch.com WEBSITE: BENZARCH.COM NEW RESIDENCE ON BELLA MADEIRA LANE SAN JOSE, CA APN: 654-64-012 COVER SHEET DRAWING TITLE: DATE: 5/26/2025 DESIGNED BY: T. PENG DRAWN BY: K. KUMAR CHECKED BY: M. SAINI APPROVED BY: M. SAINI NO. REVISIONS SHEET NUMBER A-1.0					
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Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

[illegible]

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

RESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y

NA

RESPON
PARTY

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base Reactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundredths of a gram (g O³/g ROG).

Note: MIR values for individual compounds and hydrocarbon solvents are specified in CCR, Title 17, Sections 94700 and 94701.

MOISTURE CONTENT. The weight of the water in wood expressed in percentage of the weight of the oven-dry wood.

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

Note: PWMIR is calculated according to equations found in CCR, Title 17, Section 94521(a).

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

VOC. A volatile organic compound (VOC) broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).

4.503 FIREPLACES

4.503.1 GENERAL. Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.

4.504 POLLUTANT CONTROL

4.504.1 COVERINGS OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. At the time of rough installation, during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of water, dust or debris which may enter the system.

4.504.2 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with this section.

4.504.2.1 Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply:

- Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products, as specified in Subsection 2 below.
- Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with section 94507.

4.504.2.2 Paints and Coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply.

4.504.2.3 Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49.

4.504.2.4 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

- Manufacturer's product specification.
- Field verification of on-site product containers.

Y

NA

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PARTY

TABLE 4.504.2 - SEALANT VOC LIMIT

(Less Water and Less Exempt Compounds in Grams per Liter)	
SEALANTS	VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NON-POROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

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TABLE 4.504.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS.^{2,3}

COATING CATEGORY	VOC LIMIT
FLAT COATINGS	50
NON-FLAT COATINGS	100
NONFLAT-HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS ¹	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

Y

NA

RESPON
PARTY

TABLE 4.504.5 - FORMALDEHYDE LIMITS.

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	
PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD ²	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIF. AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIF. CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16" (8 MM).

Y

NA

RESPON
PARTY

DIVISION 4.5 ENVIRONMENTAL QUALITY (continued)

4.504.3 CARPET SYSTEMS. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

<https://www.cdph.ca.gov/Programs/CDC/PHP/DEODC/EHLBI/AQ/Pages/VOC.aspx>.

4.504.3.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.

<https://www.cdph.ca.gov/Programs/CDC/PHP/DEODC/EHLBI/AQ/Pages/VOC.aspx>.

4.504.3.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 4.504.1.

4.504.4 RESILIENT FLOORING SYSTEMS. Where resilient flooring is installed, at least 80% of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specification 01350)

See California Department of Public Health's website for certification programs and testing labs.



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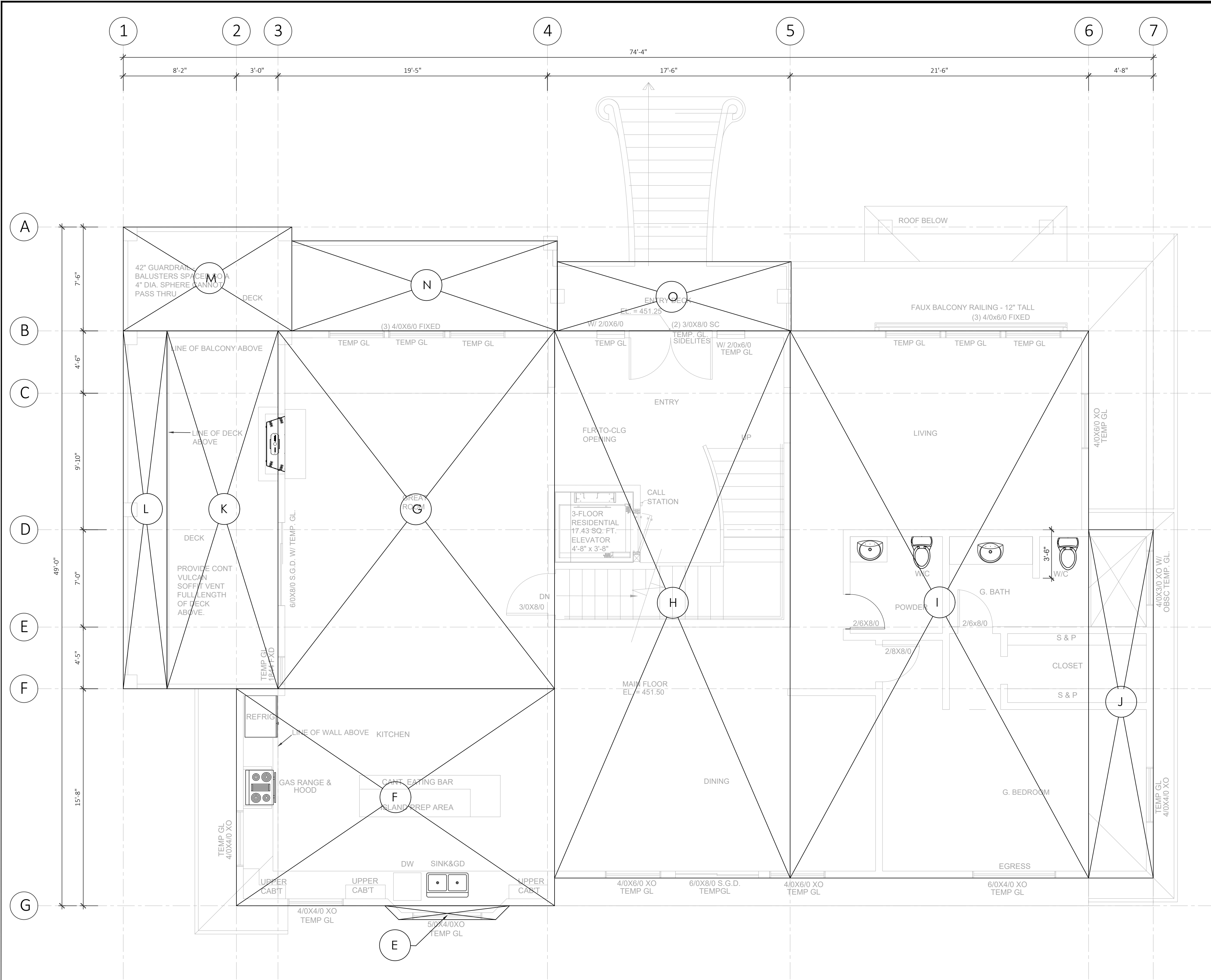
**NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012**

LOWER LEVEL PLAN & AREA CALCULATIONS

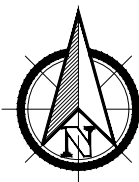
DATE:	4/15/2025
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CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

NO.	REVISIONS

A-2.0



MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"



FLOOR AREA AND COVERAGE CALCULATIONS							
SECTION	DIMENSIONS		AREA (SQ.FT)	SECTION	DIMENSIONS		AREA (SQ.FT)
MAIN FLOOR							
E	Different Shape		8.0	F	15.67	23	359.7
G	25.67	20.0	512.3	H	17	39.5	671.5
I	21.54	39.5	850.9	J	4.7	25.2	117.4
TOTAL			1371.16	TOTAL			1148.61
Main Floor Living Area (Sq. Ft.)				2520			
Covered Deck							
K	8	25.8333	206.7	O	16.875	5	84.4
TOTAL			206.67	TOTAL			84.38
Total (Sq. Ft.)				292.0			
Open Deck							
L	3.167	25.8333	81.8	M	12.167	7.5	91.2
N	19.17	6.5	124.6				
TOTAL			206.39	TOTAL			91.25
Total (Sq. Ft.)				298.0			

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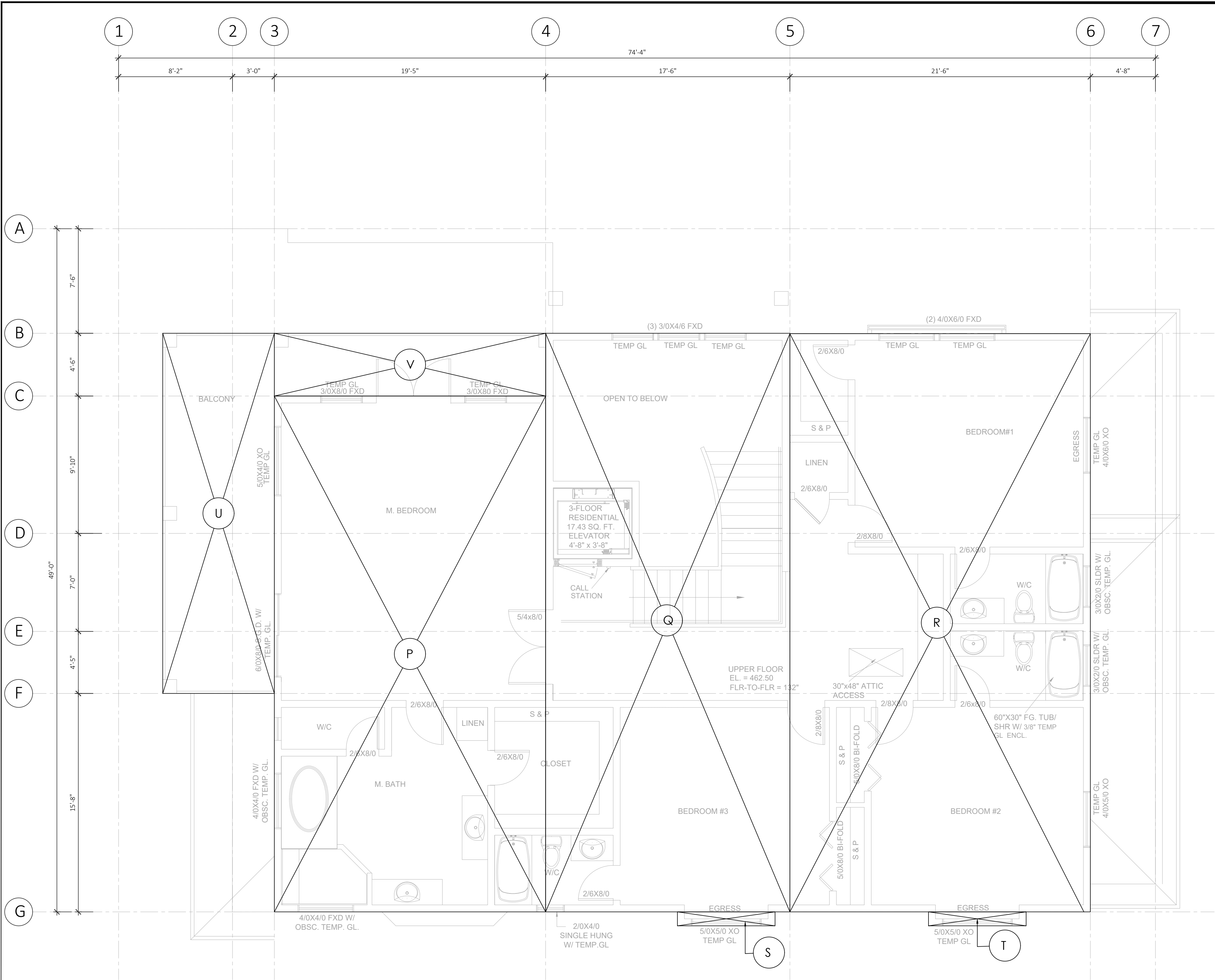
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DRAWING TITLE:
MAIN FLOOR PLAN
&
AREA CALCULATIONS

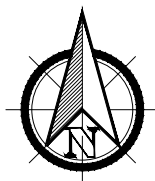
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CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	
NO.	

SHEET NUMBER
A-2.1



UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"



FLOOR AREA AND COVERAGE CALCULATIONS							
SECTION	DIMENSIONS		AREA (SQ.FT)	SECTION	DIMENSIONS		AREA (SQ.FT)
UPPER FLOOR							
P	19.46	37.0	720.0	Q	7.50	41.5	311.3
R	21.5	41.5	892.3				
TOTAL			1612.21	TOTAL			311.25
Upper Floor Living Area (Sq. Ft.)				1924			
Open Deck							
U	7	25.8333	180.8	V	19.5	4.5	87.8
TOTAL			180.83	TOTAL			87.75
Total (Sq. Ft.)				269.0			

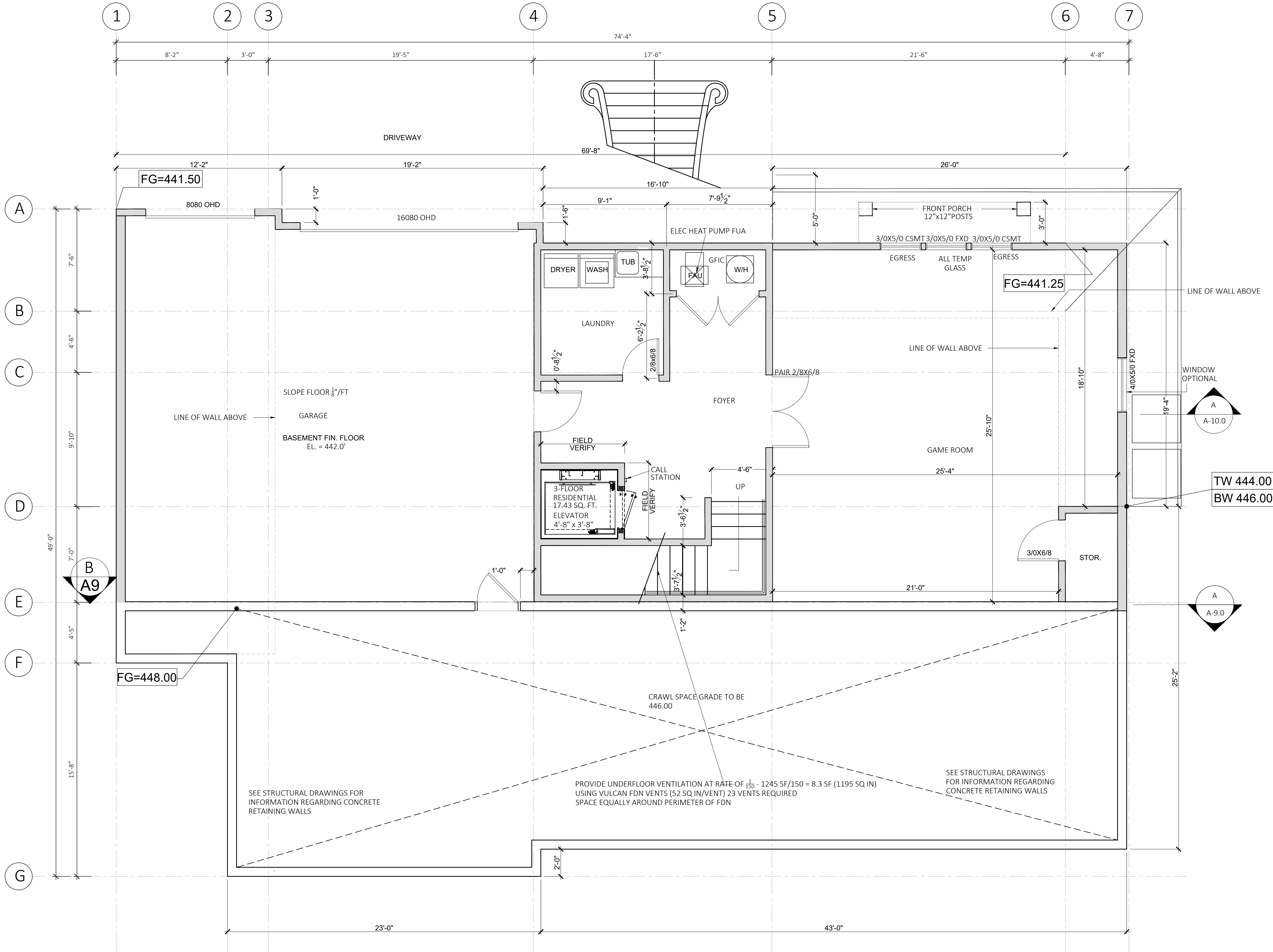
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PREPARED FOR:
NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DRAWING TITLE:
UPPER FLOOR PLAN
&
AREA CALCULATIONS

DATE:	4/15/2025
DESIGNED BY:	T. PENG
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CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

NO.	REVISIONS
SHEET NUMBER	
A-2.2	



R302.11 Fireblocking.
In combustible construction, fireblocking shall be provided to cut off both vertical and horizontal concealed draft openings and to form an effective fire barrier between stories, and between a top story and the roof space.

Fireblocking shall be provided in wood-framed construction in the following locations:

- In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs, as follows:
 - Vertically at the ceiling and floor levels.
 - Horizontally at intervals not exceeding 10 feet (3048 mm).
- At interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.
- In concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall comply with Section R302.7.
- At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion. The material filling this annular space shall not be required to meet the ASTM E136 requirements.
- For the fireblocking of chimneys and fireplaces, see Section R1003.19.
- Fireblocking of cornices of a two-family dwelling is required at the line of dwelling unit separation.

R302.11.1 Fireblocking materials.

Except as provided in Section R302.11, Item 4, fireblocking shall consist of the following materials.

- Two-inch (51 mm) nominal lumber.
- Two thicknesses of 1-inch (25.4 mm) nominal lumber with broken lap joints.
- One thickness of $2\frac{1}{2}$ -inch (18.3 mm) wood structural panels with joints backed by $2\frac{1}{2}$ -inch (18.3 mm) wood structural panels.
- One thickness of $\frac{3}{4}$ -inch (19.1 mm) particleboard with joints backed by $\frac{3}{4}$ -inch (19.1 mm) particleboard.
- One-half-inch (12.7 mm) gypsum board.
- One-quarter-inch (6.4 mm) cement-based millboard.
- Batts or blankets of mineral wool or glass fiber or other approved materials installed in such a manner as to be securely retained in place.
- Cellulose insulation installed as tested in accordance with ASTM E119 or UL 263, for the specific application.

LOWER LEVEL PLAN

SCALE $\frac{1}{4}" = 1'-0"$

NORTH

PREPARED BY:
STEVE BENZING ARCHITECT
C-17985
ADDRESS: 12103 FREDERICKSBURG
SARATOGA, CA
TEL: 408-805-1328
EMAIL: steve@benzarch.com
WEBSITE: BENZARCH.COM

PREPARED FOR:
NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

LOWER LEVEL FLOOR PLAN

DRAWING TITLE:

NO.	REVISIONS	DATE:	4/15/2025
		DESIGNED BY:	T. PENG
		DRAWN BY:	K. KUMAR
		CHECKED BY:	M. SAINI
		APPROVED BY:	M. SAINI
SHEET NUMBER			
A-3.0			

FLOOR PLAN NOTES

ALL BEDROOMS SHALL HAVE WINDOWS OR DOORS MEETING EGRESS REQUIREMENTS. ALL EGRESS WINDOWS WITH TWO OR MORE LATCHES SHALL HAVE THE LATCHES INTERCONNECTED AND OPERABLE FROM THE LOWEST LATCH, TYPICAL, U.N.O.+

SPLASH AREAS

NO GREENBOARD ALLOWED
PROVIDE WATER RESISTANT 5/8" DENS-SHIELD BY GEORGIA-PACIFIC® OR 1/4" HARDIEBACKER BOARD BY JAMESHARDIE, O/ ASPHALT SATURATED FELT PAPER, O/ WOOD STUDS AT ALL WATER SPLASH AREAS, TYPICAL, U.N.O.

BATHTUBS/SHOWERS AND ENCLOSURES

ALL WALL & CEILING TILE TO BE INSTALLED O/ MOISTURE RESISTANT O/ WATER-PROOFING, ABOVE) TO UNDERLAYMENT (PER NOTE #F2 MIN. ABOVE DRAIN INLET A HEIGHT OF 72"

CABINETRY, FIXTURES, CLOSET PACKAGES, AND APPLIANCES

CONTRACTOR & CABINET MAKER SHALL VERIFY ALL FINAL DESIGN DETAILS & MATERIALS W/OWNER AS WELL AS ALL ROOM DIMENSIONS & ROUGH OPENINGS FOR FIXTURES & APPLIANCES, PRIOR TO FABRICATION & INSTALLATION, TYPICAL, U.N.O.

CRAWL SPACE ACCESS PROVIDE

18" X 24" MIN. ACCESS WHERE SHOWN W/ DOUBLE 2X FRAMING ALL AROUND OPENING. SEE FOUNDATION PLAN FOR MORE INFO. TYPICAL, U.N.O.

ATTIC ACCESS

22"X30" MIN. SIZE PER
PROVIDE ACCESS OPENING LARGE ENOUGH FOR REMOVAL OF HVAC UNIT WHERE OCCURS. PROVIDE 30"X43" PULL DOWN ATTIC ACCESS STAIR AT LOCATION INDICATED W/ MIN 30" CLEAR HEADROOM IN THE ATTIC SPACE AT OR ABOVE THE ACCESS OPENING. PROVIDE DBL 2X FRAMING ALL AROUND OPG. W/ PLYWOODD PATH & PLATFORM TO HVAC UNIT, WORK LIGHT W/ SWITCH * RECEPTACLE PER SEC 904.11, 2016 CMC

HVAC SYSTEM

CONTRACTOR TO COORDINATE ALL SUPPLY AND RETURN ZONES, THERMOSTAT LOCATIONS, AND POWER AIR DUCTS, REQUIREMENTS OF SYSTEMS W/ MECHANICAL UNITS AND MECHANICAL & PLUMBING CONTRACTORS, ELECTRICAL, TYPICAL. RUN LINE SETS TO CONNECT TO NEW A.C.SITE PLAN CONDENSERS AT SIDE YARDS PER WATER HEATER SEE ELECTRICAL/MECHANICAL PLAN DRAWINGS FOR MORE INFO., TYPICAL, U.N.O
WATER HEATER SEE ELECTRICAL/MECHANICAL PLAN DRAWINGS FOR MORE INFO., TYPICAL, U.N.O.
CONC. PORCHES/PATIOS SLOPE TO DRAIN @ 1/4" PER FT. AWAY FROM STRUCTURES. ALL SLABS TO BE INSTALLED O/ PROPERLY PRE-MOISTENED & SOILS REPORT. COMPACTED SUBGRADE PER ALL STOOPS OUTSIDE EXTERIOR DOORS SHALL CONFORM TO 2019 CRC SEC. R311.3, TYPICAL.

BATH ACCESSORIES

VERIFY ALL COLORS, SIZES, FINISHES, ETC. OF BATH ACCESSORIES, TOWEL BARS, ROLL HOLDERS, MEDICINE CABINETS, ETC. W/ INTERIOR DESIGNER, TYP., U.N.O. PROVIDE NEW 2X8 SOLID BLOCKING @ 34" A.F.F. TO WATER CLOSETS, SHOWERS, & BATHS TYPICAL U.N.O.
CENTER LINE OF BLOCK FOR FUTURE GRAB BARS @ ALL

PLUMBING FIXTURE FLOW RATES

ALL PLUMBING FIXTURES AND FITTINGS SHALL MEET THE STANDARDS REFERENCED IN TABLE 1701.1 OF THE 2022 CALIF PLUMBING CODE

FLOW RATES FOR NEW FIXTURES ARE TO BE:
1.20 GALLONS PER FLUSH FOR TOILETS
1.80 GPM @ 80 PSI FOR SINGLE SHOWERHEAD INSTALLATIONS AND MULTIPLE SHOWERHEADS SERVING ONE SHOWER - COMBINED FLOW RATE OF ALL SHOWERHEADS &/OR OTHER SHOWER FIXTURES CONTROLLED BY A SINGLE VALVE

1.8 GPM @ 80 PSI
1.2 GPM @ 60 PSI (MIN SHALL BE NOT LESS THAN 0.8 GPM@ 20 PSI)FOR LAVATORY FAUCETS
1.8 GPM @ 60 PSI FOR KITCHEN FAUCETS

SHOWER NOTES:

TUB/SHOWER WALLS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE OVER A MOISTURE-RESISTANT UNDERLAYMENT TO A HGT OF 72" ABOVE THE DRAIN INLET. NOTE - WATER-RESISTANT GYP. BACKING BD. SHALL NOT BE USED OVER A VAPOR RETARDER IN SHOWER OR BATHTUB COMPARTMENTS TUB/SHR WALLS SHALL RECEIVE HARDIE PANEL OR EQUAL FULL HT

BATHROOM NOTES:

PROVIDE 2X8 WOODEN BACKING LOCATED AT 34" FROM THE FLOOR TO THE CENTER OF THE BACKING IN ALL BATHROOM WALLS AT W/C, SHOWER & BATHTUB LOCATIONS. BACKING SHALL BE SUITABLE FOR THE ADDITION OF GRAB BARS. MIN. 15" CLR. EA. SIDE OF W/C/L AND MIN. 24" CLR. IN FRONT OF W/C

DISHWASHER NOTE:

NO DOMESTIC DISHWASHING MACHINE SHALL BE DIRECTLY CONNECTED TO A DRAINAGE SYSTEM OR FOOD-WASTE DISPOSER WITHOUT THE USE OF AN APPROVED DISHWASHER-AIR-GAP FITTING ON THE DISCHARGE SIDE OF THE DISHWASHING MACHINE. LISTED AIRGAPS SHALL BE INSTALLED WITH THE FLOOD LEVEL MARKING AT OR ABOVE THE FLOOD LEVEL OF THE SINK OR DRAINBOARD, WHICHEVER IS HIGHER.

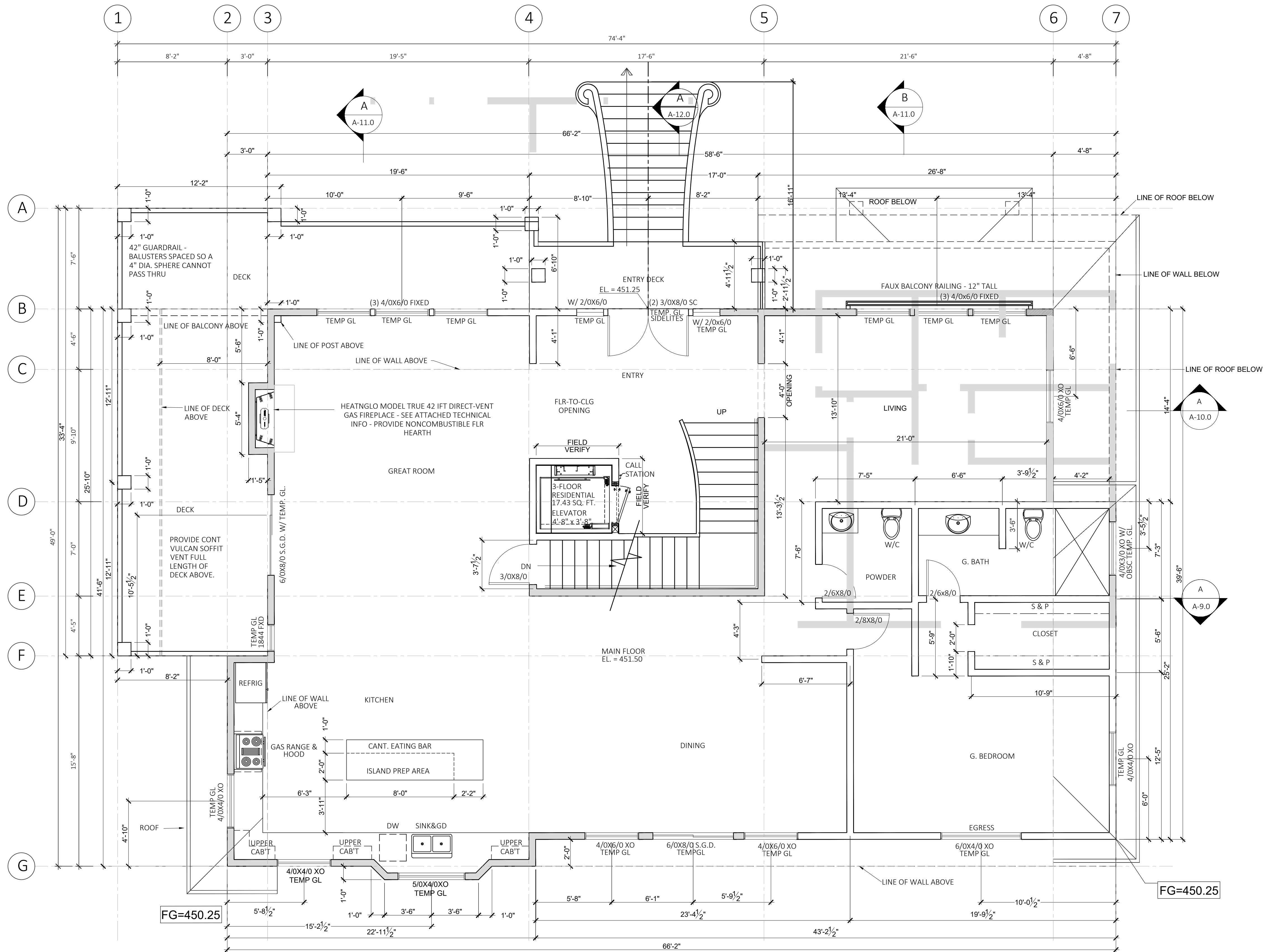
NOTES:

CONTRACTOR TO VERIFY THAT A BACKWATER VALVE IS INSTALLED. TOWN CODE REQUIRES AN APPROVED BACKWATER VALVE ON DRAINAGE PIPING SERVING FIXTURES THAT HAVE FLOOD LEVEL RIMS LESS THAN 12 INCHES ABOVE THE ELEVATION OF THE NEXT UPSTREAM MANHOLE. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENING IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR ACCEPTABLE METHODS

DECK WATERPROOFING SHALL BE:

PARASEAL® LG

HDPE/BENTONITE SHEET MEMBRANE DUAL WATERPROOFING SYSTEM



MAIN FLOOR PLAN

SCALE: 1/4" = 1'-0"



PREPARED BY:

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PREPARED FOR:

NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DRAWING TITLE:

MAIN FLOOR PLAN

DATE:	4/15/2025
DESIGNED BY:	T. PENG
DRAWN BY:	K. KUMAR
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS

NO.

SHEET NUMBER

A-4.0

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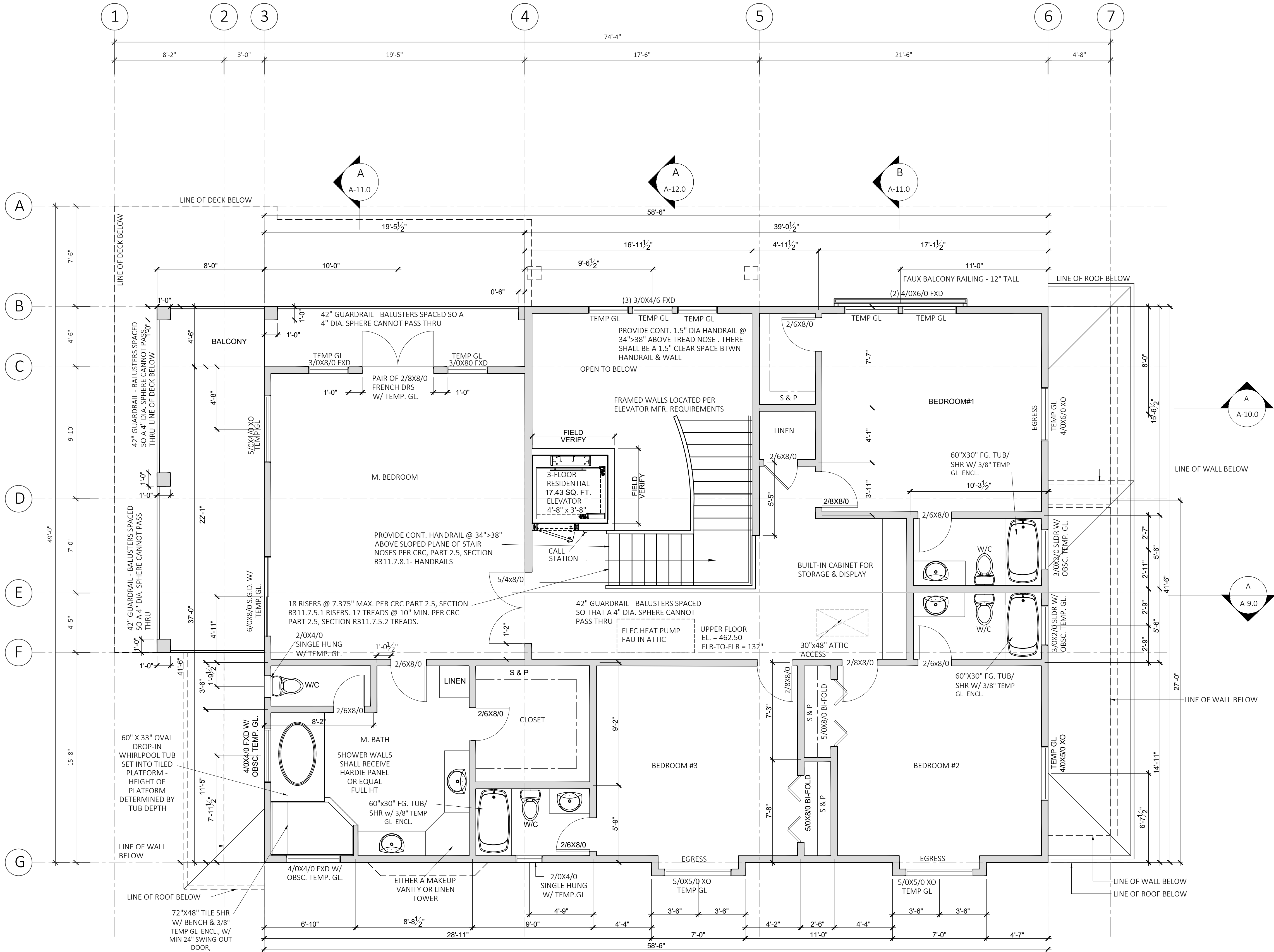
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UPPER FLOOR PLAN

SCALE: $\frac{1}{4}" = 1'-0"$



PREPARED BY:

STEVE BENZING ARCHITECT
C-17985
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SARATOGA, CA
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PREPARED FOR:

NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DRAWING TITLE:

UPPER FLOOR PLAN

NO.	REVISIONS	DATE:	4/15/2025
		DESIGNED BY:	T. PENG
		DRAWN BY:	K. KUMAR
		CHECKED BY:	M. SAINI
		APPROVED BY:	M. SAINI

I. CLASS A ROOFING SYSTEM:

ALL ROOFING TO BE INSTALLED OVER 1/2" EXTERIOR GRADE LP
DSB STRUCTURAL I OR CD-X PLYWOOD SHEATHING OR EQUIV.
W/ ROOF PITCHES AS SHOWN, TYP., U.N.O.
SEE ROOF FRAMING PLAN & NOTES, SHEATHING SPECS,
AND DETAILS FOR MORE INFO., TYPICAL, U.N.O.
EAGLE LIGHTWGT ROOFING TILE - COLOR VALLEJO RANGE, APPROX WGT 100#/SQUARE

2. GUTTERS AND DOWNSPOUTS:

SEE EAVE DETAILS FOR MORE INFO., TYPICAL, U.N.O.
SEE CIVIL PLANS FOR MORE SURFACE DRAINAGE INFO.,
DO NOT CONNECT DOWNSPOUT DRAINS TO FOOTING DRAINS. FINALIZE ALL DOWNSPOUT
LOCATIONS WITH WALK THROUGH IN FIELD WITH DEVELOPER PRIOR TO SETTING UNDERGROUND
DRAINAGE PIPING.

3. GUTTERS

3" FASCIA GUTTERS, 24 GA. FASCIA BONDERIZED. GUTTERS W/ G.I.
BRACKETS AT APPROX. 4'-0" O.C. INCLUDE G.I. GUTTER COVER/SCREEN MESH AS REQUIRED TO
PREVENT ACCUMULATION OF LEAVES/DEBRIS IN GUTTERS PER
2022 CRC SEC. R327.5.4, & 2022 CBC SEC.
705A.4, TYPICAL, U.N.O.

3. DOWNSPOUTS

3" DIA. ROUND 24 GA. G.I. DOWNSPOUTS WITH G.I. BRACKETS

3. ROOF JACKS:

PROVIDE NEOPRENE GASKETS & G.I. ROOF JACK/ RAIN CAP. PAINT TO MATCH ROOF COLOR &
LOCATE WHERE NOT VISIBLE FROM STREET WHEREVER POSSIBLE, TYPICAL, U.N.O.

4. EXHAUST VENTS

ALL EXHAUST VENTS SHALL BE LOCATED A MIN. OF 3' FROM OR 1' ABOVE ALL ROOF OR WALL
OPENINGS PER 2022 CMC SEC. 504.5, SEC. 510.8.2 & SEC. 510.8.3, TYPICAL, U.N.O.

3. PLUMBING VENTS

ALL PLUMBING VENTS TO BE LOCATED A MIN. OF 10' FROM OR 3' ABOVE ROOF OR WALL OPENINGS
PER SEC. 510.5.2, SEC. 906.1, & SEC. 906.2, 2022 CPC. TYPICAL, U.N.O.

1. FLASHING:

24 GA. G.I. FLASHING PER SEC. R905.2.8, 2022 CRC SEE ROOF PLAN AND DETAILS FOR MORE INFO.,
TYPICAL, U.N.O. INSTALL FLASHING IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY
OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS

4. VALLEY FLASHING

24 GA. G.I. "W" FLASHING OVER CONT. 36" WIDE (MIN.) EXTRA LAYER OF 30# FELT @ ALL VALLEYS,
TYPICAL, U.N.O.

3. STEP FLASHING

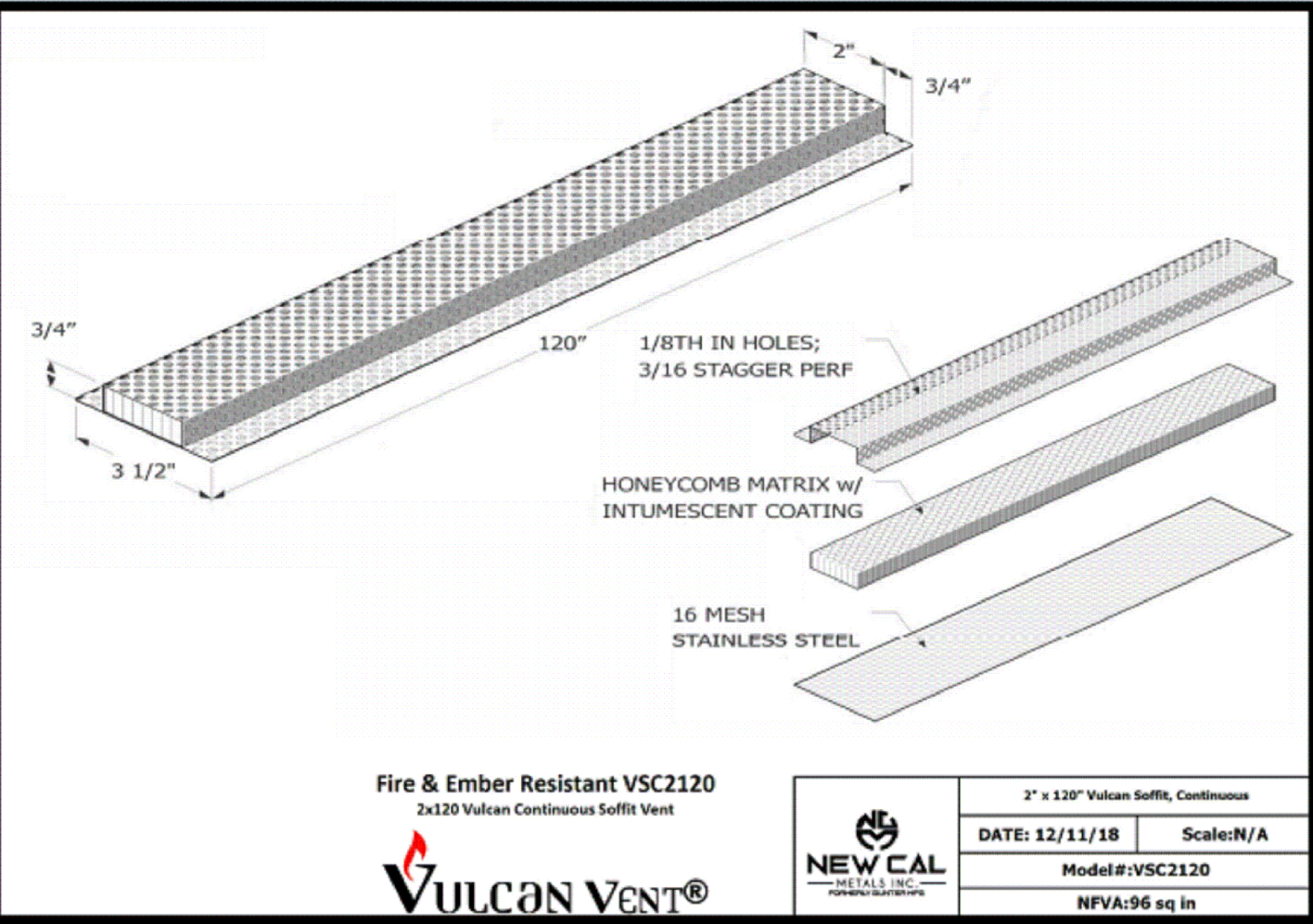
24 GA. G.I. STEP "L" FLASHING PER DETAILS AT ROOF & UNDER EXT. WALL SIDING, TYPICAL, U.N.O.

2. PITCH BREAK FLASHING

24 GA. G.I. "L" FLASHING @ ALL WALL TO PITCHED ROOFS, TYP., U.N.O.

3. WINDOW/DOOR HEAD FLASHING

24 GA. G.I. "Z" FLASHING ABOVE WINDOWS & DOORS, TYPICAL, U.N.O.



CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE

LISTING No. 8165-219210100
CATEGORY: 8165 - VENTS FOR WILDLAND/URBAN INTERFACE (W.U.I.)
LISTEE: Vulcan Technologies880 Irwin Street, Suite 1, San Rafael, CA 94901
Contact: Larry Damm (916) 635-2400 Fax (916) 647-0477
Email: Larry@newcalmetals.com
DESIGN: Vulcan Technologies
Model VFS414 (4'x14"), VFS614 (6'x14"), VFS814 (8'x14") foundation vent.
Model VE322 (3'5'x22"), VE 5522 (5'5'x22"), 7522 (7'5'x22") Soffit/Eave vent.
*Model VSC2120 Continuous Soffit Vent.
Aluminum honeycomb core, 5/8" nominal thickness with 1/4" cells.
1 to 2 mil cell walls.
1/4" stainless steel mesh.
Intumescent coating
RATING: Rated for use as materials for exterior wildfire exposure in Wildland Urban Interface (WUI) fire areas.
INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING: Listsee name, Model number, rating and SFM label.
APPROVAL: Listed as foundation vent, soffit vent, and eave vent for use in Wildland Urban Interface Areas (WUI).
NOTE: This listing is considered an alternate method of compliance with 706A, 2016 CBC. Alternate Methods of Compliance are listed as a one-time listing only.

Revision 09-27-2017.doc

Date Issued: July 09, 2019 Listing Expires June 30, 2020
Authorized By: DAVID CASTILLO, Program Coordinator
Fire Engineering Division

INSTALLATION INSTRUCTIONS FOR TILE ROOF APPLICATIONS
O'HAGIN STANDARD, O'HAGIN WEATHERMASTER, AND O'HAGIN FIRE & ICE ATTIC VENTS

VENTS FOR 1-PIECE TILE

1. **MARK & CUT** a 19-inch x 7-inch hole in the roof deck, centered between layout lines and aligned approximately as shown on the layout line.
2. **SEAL** using sufficient amount of locally-approved sealant (Class A where required by code for flame resistance) around source flange of primary vent.
3. **ATTACH** at 4-inch centers using roofing nails of sufficient length to penetrate the sheathing.
4. **FLASH** See general installation notes. When using putty and rock or membrane and mortar methods, apply bottom strip first, then side and, finally, the top strip.
5. **INSTALL** secondary vent cover. (For "X" style vents only, insert tile between perforated top of secondary vent cover and bottom flange/water channel - see inset). *Do not slip tile slightly under the prevailing course of tile, adjusting for head lap.*

VENTS FOR 2-PIECE CAP & PAN TILE

1. **MARK & CUT** primary vent opening as shown. Align the bottom of the opening 1/2 inch as 1 inch above the pan tile layout line as shown.
2. **SEAL, ATTACH & FLASH** as shown in Steps 2-4 of the 1-Piece installation instructions. Apply field tile up to the primary vent, nailing tile into place.
3. **INSTALL** the secondary vent, which sits the place of two caps and one pan tile. Bend the wind clip slightly under the prevailing course of tile, adjusting for head lap. Secure as shown in Step 4 of the 1-Piece installation instructions.

VENTS FOR FLAT TILE

1. Follow Steps 1-4 of the 1-Piece installation instructions.
2. Tile is then installed between lowered top of secondary vent cover and bottom flange/water channel (see inset). *Do not slip tile slightly under the prevailing course of tile, adjusting for head lap.* Remove 2 to 3 inches of the tile battens lag on either side of the secondary vent cover for proper fit. For tile with continuous lugs, a portion of the lug may be removed as needed for wind clip installation. The secondary vent cover sits the place of vent field tiles.
3. Secure and nail as shown in Step 4 of the 1-Piece installation instructions. If necessary, seal underside of secondary vent and top of tile below, using locally-approved sealant (Class A where required by code for flame resistance) to allow optimal drainage.
4. Insulated secondary vent is 1/2 inch or greater.
5. High wind resistance shall be maintained in the event of dead zone below the tile assembly in higher wind speeds - a minimum of 100 mph.
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7. O'Hagin vents are designed to be part of a complete roofing system. Failure to properly install all components will negatively impact roof performance and life.
8. For specific information regarding wind and high velocity wind applications, consult O'Hagin.
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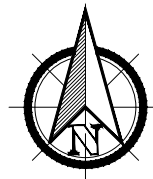
GENERAL INSTALLATION NOTES:

1. Sheathing and flashing must be installed in accordance with the following:
a. Sheathing must be installed in accordance with the following:
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b. Flashing must be installed in accordance with the following:
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O'HAGIN
Soffit Vent, Foundation Vent, Weathermaster, Fire & Ice Attic Vent
3100 Civic Center Way, Suite 100 • Redwood City, CA 94061
Phone: (877) 324-4444 • Fax: (650) 386-1818
www.ohagin.com • 2018 © O'Hagin LLC. All Rights Reserved.

SEE SHEET A-9.0 FOR WUI COMPLIANCE FOR O'HAGIN VENTS

ROOF PLAN
SCALE: 1/4" = 1'-0"

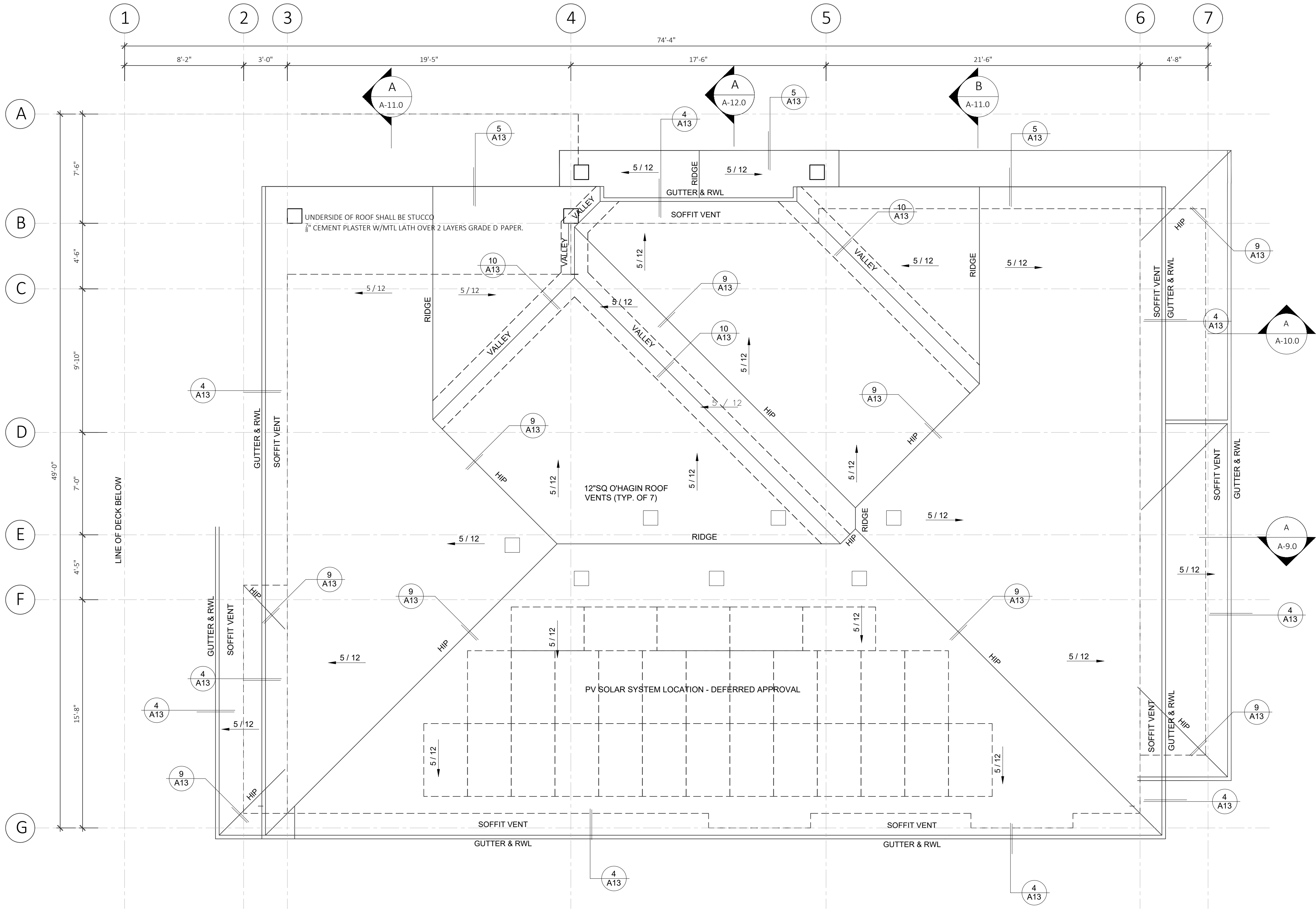


ROOFING SHALL BE CLASS A ROOF SYSTEM - EAGLE LIGHTWGT CONC ROOF TILES - COLOR VALLEJO RANGE
APPROX WEIGHT - 720#/100 SF
ROOF PITCH TO BE 5/12
FLASH ALL VALLEYS w/ 24ga GALV MTL VALLEY FLASHING UP EACH SIDE MIN 11"-INSTALLED OVER A MIN 36" WIDE UNDERLAYMENT OF No. 72
CAP SHEET RUNNING THE FULL LENGTH OF THE VALLEY
PROVIDE OGEE GALV GUTTERS AND 2"x3" RWL AS NECESSARY
PROVIDE METAL GUTTER GAURDS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTERS FOR THE ENTIRE RESIDENCE

ROOF VENTILATION:

ROOF VENTILATION SHALL BE @ THE RATE OF 15F VENT / 300SF ROOF AREA. 2,501 SF ROOF AREA / 300 = 8.34 SF, OR 1,200 SF OF VENTING REQUIRED. PROVIDE 7'-12"x12" OHAGIN ROOF VENTS @ 80 SI NFA / VENT, EQUALING 560 SF OF VENTING PROVIDED. 1,200 SF - 560 SF = 640 SF LEFT TO PROVIDE. PROVIDE CONT. 3" WIDE SOFFIT VENT @ RATE OF 10SI NFA / LF. 640 SF / 10 SF/LF = 64 LF OF SOFFIT VENTING REQUIRED. DISTRIBUTE SOFFIT VENTING EQUALLY TO ALL FOUR SIDES OF ROOF, AND NO FARTHER THAN 3 FT FROM ANY CORNER.

THE TILE ROOF SHALL BE FIRESTOPPED AT EAVE ENDS OR SHALL HAVE ONE LAYER OF IN 72 LB. MEINERAL SURFACES NONPERFORATED CAP SHEET COMPLYING ASTM D3909 INSTALLED OVER THE COMBUSTIBLE DECKING PER CRC R337.5.2



REVISIONS	DATE:	4/15/2025	DESIGNED BY:	T. PENG	DATA:	4/15/2025
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ADDRESS: 12103 FREDERICKSBURG
SARATOGA, CA
TEL: 408-805-1328
EMAIL: steve@benzarch.com
WEBSITE: BENZARCH.COM

PREPARED FOR: NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-84-012

ROOF PLAN

CLASS "A" ROOFING SYSTEM:

ALL ROOFING SHALL BE INSTALLED OVER 1/2" EXTERIOE GRADE LP OSB STRUCTURAL 1 OR CD-X PLYWOOD SHEATHING OR EQUIVALENT WITH ROOD PITCHES AS SHOWN, TYPICAL, U.N.O. - SEE ROOF FRAMING PLAN, NOTES, AND DETAILS, AND SHEATHING SPECS AND DETAILS FOR MORE INFORMATION, TYPICAL U.N.O..

LIGHTWEIGHT CONCRETE ROOF TILE:
(SPECIFY BRAND SPECIFICS)

GUTTERS AND DOWNSPOUTS:

SEE EAVE DETAILS FOR MORE INFORMATION, TYPICAL U.N.O.
SEE SITE PLAN FOR MORE SURFACE-DRAINAGE INFORMATION.
DO NOT CONNECT DOWNSPOUT DRAINS TO FOUNDATION FOOTING DRAINS. FINALIZE ALL DOWNSPOUT LOCATIONS WITH IN-FIELD WALK-THROUGH WITH OWNER/DEVELOPER PRIOR TO SETTING UNDERGROUND DRAINAGE PIPING.

GUTTERS:

PROVIDE 5"-DIA. 24-GA. HALF-ROUND BONDERIZED GUTTERS W/ G.I. BRACKETS AT APPROX. 4'-0" O/C. INCLUDE G.I. GUTTER COVER/SCREEN MESH AS REQUIRED TO PREVENT THE ACCUMULATION OF LEAVES/DEBRIS IN GUTTERS PER 2019 CRC SEC. R327.5.4. AND 2019 CBC SEC. 705A.4, TYPICAL U.N.O..

DOWNSPOUTS:

PROVIDE 3"-DIA. ROUND 24-GA. G.I. DOWNSPOUTS WITH G.I. BRACKETS.

ROOF JACKS:

PROVIDE NEOPRENE GASKETS AND G.I. ROOF JACK/RAIN CAP - PAINT TO MATCH ROOFING COLOR AND LOCATE WHERE NOT VISIBLE FROM STREET WHEREVER POSSIBLE, TYPICAL U.N.O..

EXHAUST VENTS:

ALL EXHAUST VENTS SHALL BE LOCATED A MIN. OF 3' FROM, OR 1' ABOVE, ALL ROOF OR WALL OPENINGS PER 2019 CMC SEC. 504.5, SEC. 510.8.2, AND SEC. 510.8.3, TYPICAL U.N.O..

PLUMBING VENTS:

ALL PLUMBING VENTS SHALL BE LOCATED A MIN. OF 10' FROM, OR 3' ABOVE, ROOF OR WALL OPENINGS PER 2019 CPC SEC. 510.5.2, SEC. 906.1, AND SEC. 906.2, TYPICAL U.N.O..

ADDRESS NUMBERS:

APPROVED ADDRESS NUMBERS SHALL BE PLACED (OR MAINTAINED) ON THE BUILDING IN SUCH A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET, OR ROAD, FRONTING THE PROPERTY, AND CONTRASTING TO THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE A MIN. OF 4" HIGH WITH A MIN. ILLUMINATED STROKE WIDTH OF 1/2", TYPICAL U.N.O..

FLASHING:

PROVIDE 26-GA. GALV. FLASHING PER 2019 CRC SEC. R905.2.8. SEE ROOF PLAN AND DETAILS FOR MORE INFORMATION, TYPICAL U.N.O.
INSTALL FLASHING IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS.

VALLEY FLASHING:

PROVIDE 26-GA. GALV. "W" FLASHING OVER CONTINUOUS 36"-WIDE (MIN.) EXTRA LAYER 30# FELT AT ALL VALLEYS, TYPICAL U.N.O..

STEP FLASHING:

PROVIDE 26-GA. GALV. STEPV "L" FLASHING PER DETAILS AT ROOF AND UNDER EXTERIOR WALL SIDING, TYPICAL U.N.O..

PITCH BREAK FLASHING:

PROVIDE 26-GA. GALV. "L" FLASHING AT ALL WALL/PITCHED-ROOF INTERSECTIONS, TYPICAL U.N.O..

WINDOW/DOOR HEAD FLASHING:

PROVIDE 26-GA. GALV. "Z" FLASHING ABOVE ALL WINDOWS AND DOORS, TYPICAL U.N.O..

EXTERIOR SIDING & TRIM:

SEE WALL, DOOR, AND WINDOW DETAILS FOR MORE INFORMATION.
INSTALL ALL ADHERED STONE VENEER PER MANUFACTURER'S SPECIFICATIONS.

EXTERIOR STUCCO SIDING:

PROVIDE 7/8"-THICK MIN. 3-COAT ACRYLIC STUCCO WITH "OLD WORLD" TEXTURE OVER STUCCO WIRE LATH OVER 2 LAYERS CLASS "D" BUILDING PAPER OR TYVEK BUILDING WRAP, WITH WEEP SCREED AT BASE, TYPICAL U.N.O..

ADHERED THIN STONE VENEER:

EL DORADO "COURSED STONE" ADHERED VENEER, COLOR: "SANTA BARBARA", AT WALLS, CHIMNEYS, ETC. WHERE SHOWN ON DRAWINGS.
INSTALL ALL STONE OVER 3/4"-1"-THICK MORTAR BED OVER STUCCO WIRE LATH OVER "CADCO J-DRAIN #303" DRAINAGE BLANKET (OR EQUIVALENT) OVER 2 LAYERS KRAFT WATERPROOF BUILDING PAPER OR TYVEK BUILDING WRAP OVER BUILDING SHEATHING PER STRUCTURAL DRAWINGS OVER 2X STUDS AT 16" O/C, TYPICAL U.N.O..

WINDOW/DOOR TRIM:

WINDOW AND DOOR TRIM IS INTEGRAL TO THE INDIVIDUAL UNITS.

WINDOWS:

JEN-WELD WINDOW CO. ALUMINUM-CLAD WOOD-FRAME WINDOWS WITH PAINT-GRADE INTERIORS AND DUAL-GLAZED LOW-E2 GLASS, TYPICAL U.N.O. REFER TO WINDOW SCHEDULE FOR MORE INFORMATION.

EXTERIOR DOOR:

REFER TO DOOR SCHEDULE FOR MORE INFORMATION, TYPICAL U.N.O..

EXTERIOR RAILING:

WROUGHT IRON RAILING TO BE SELECTED BY OWNER.

SHEET NOTES:

THESE NOTES ARE FOR THE BUILDING EXTERIOR ELEVATIONS, PAINT COLOR REFLECT COLOR SCHEME BELOW.

- 1

CEMENT PLASTER FINISH - BODY COLOR 1

COLOR

1
- 2

CEMENT PLASTER FINISH - TRIM COLOR 1

COLOR

2
- 3

CONC. TILE ROOF OVER ROOF

COLOR

3
- 4

ROOF GUTTER

COLOR

4
- 5

WINDOW GLASS

COLOR

5
- 6

WINDOWS

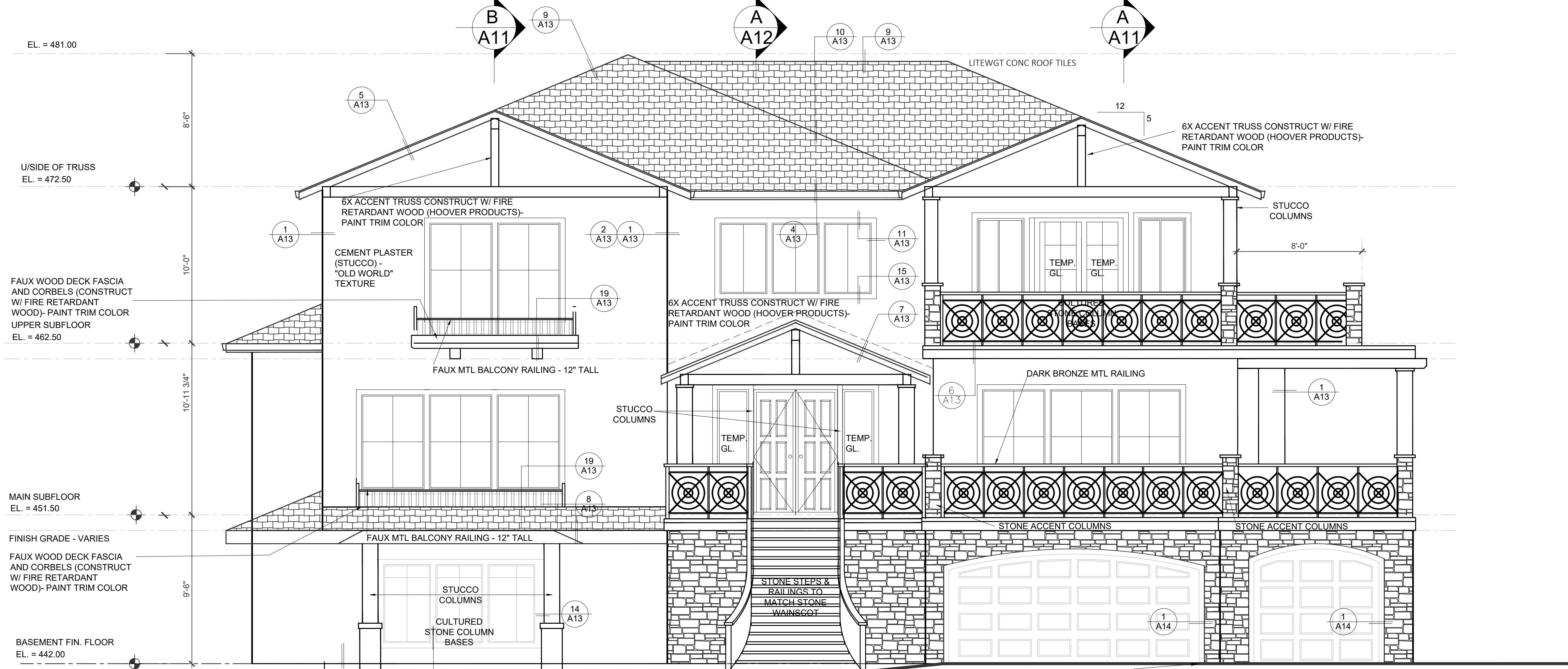
COLOR

6
- 7

CULTURAL WAINSCOT

COLOR

7

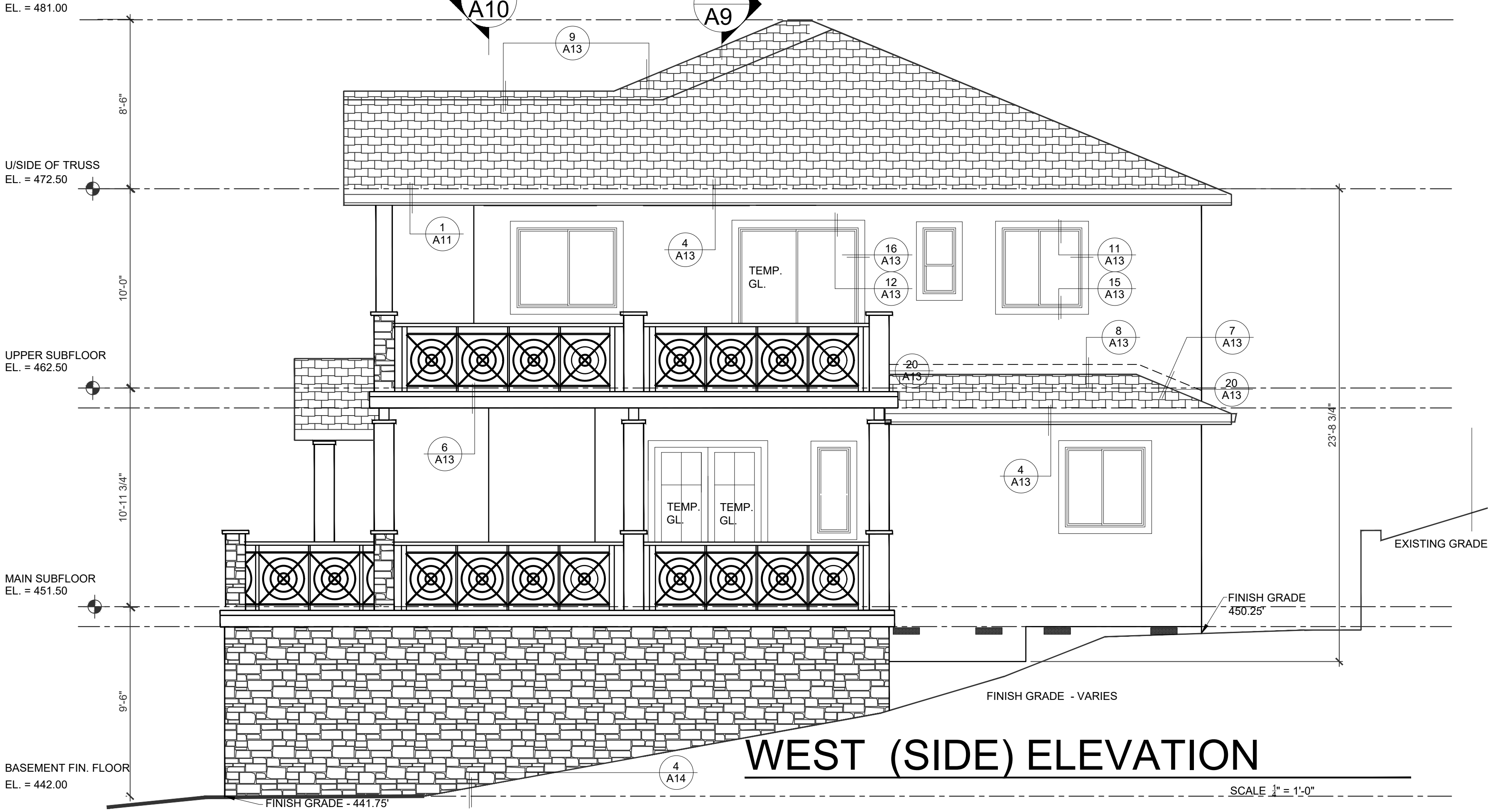


NORTH (FRONT) ELEVATION

SCALE 1" = 1'-0"

COLOR SCHEME			REFLECTIVITY INDEX
1	BODY COLOR 1 KELLEY MOORE		LRV - 31
2	TRIM 1 KELLEY MOORE		LRV - 40
3	ROOF EAGLE ROOFING CONCRETE TILE		SRI / SRV 17
4	ROOF GUTTER KELLEY MOORE		LRV - 40
5	WINDOW GLASS MILGARD	DOUBLE PAIN ENERGY STAR V5	
6	WINDOW MILGARD (Vinyl)	ENERGY STAR® V5 - NORTH CA REQUIREMENTS	
7	STONE		LRV=40
8	WINDOW TRIM MILGARD		LRV=40

NOTE:
PAINT COLORS FOR EACH LOCATION SHOWN ARE THE SAME THROUGHOUT THE ENTIRE ELEVATION



WEST (SIDE) ELEVATION

SCALE 1" = 1'-0"

PREPARED BY:

STEVE BENZING ARCHITECT
C-17985
ADDRESS: 12103 FREDERICKSBURG
SARATOGA, CA
TEL: 408-805-1328
EMAIL: steve@benzarch.com
WEBSITE: BENZARCH.COM

PREPARED FOR:

NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DRAWING TITLE:

NORTH AND WEST
ELEVATIONS

REVISIONS	DATE	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
	4/15/2025	T. PENG	K. KUMAR	M. SAINI	M. SAINI
NO.	SHEET NUMBER				
	A-7.0				

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LIGHTWEIGHT CONCRETE ROOF TILE:
(SPECIFY BRAND SPECIFICS)

GUTTERS AND DOWNSPOUTS:

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SEE SITE PLAN FOR MORE SURFACE-DRAINAGE INFORMATION.
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PROVIDE 26-GA. GALV. "L" FLASHING AT ALL WALL/PITCHED-ROOF INTERSECTIONS, TYPICAL U.N.O..

WINDOW/DOOR HEAD FLASHING:

PROVIDE 26-GA. GALV. "Z" FLASHING ABOVE ALL WINDOWS AND DOORS, TYPICAL U.N.O..

EXTERIOR SIDING & TRIM:

SEE WALL, DOOR, AND WINDOW DETAILS FOR MORE INFORMATION. INSTALL ALL ADHERED STONE VENEER PER MANUFACTURER'S SPECIFICATIONS.

EXTERIOR STUCCO SIDING:

PROVIDE 7/8"-THICK MIN. 3-COAT ACRYLIC STUCCO WITH "OLD WORLD" TEXTURE OVER STUCCO WIRE LATH OVER 2 LAYERS CLASS "D" BUILDING PAPER OR TYVEK BUILDING WRAP, WITH WEEP SCREED AT BASE, TYPICAL U.N.O..

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EXTERIOR DOOR:

REFER TO DOOR SCHEDULE FOR MORE INFORMATION, TYPICAL U.N.O..

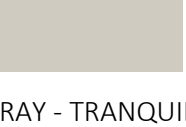
EXTERIOR RAILING:

WROUGHT IRON RAILING TO BE SELECTED BY OWNER.

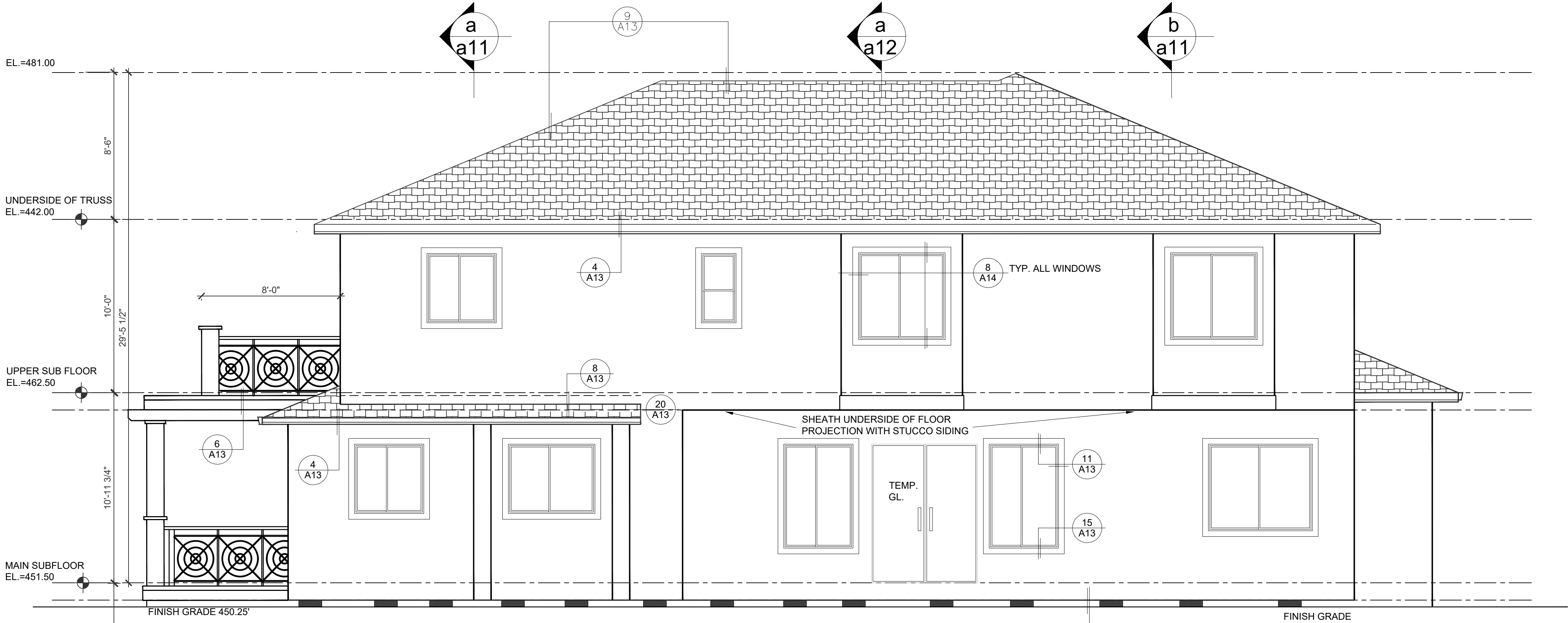
SHEET NOTES:

THESE NOTES ARE FOR THE BUILDING EXTERIOR ELEVATIONS, PAINT COLOR REFLECT COLOR SCHEME BELOW.

- | | | |
|---|--------------------------------------|---------|
| ① | CEMENT PLASTER FINISH - BODY COLOR 1 | COLOR ① |
| ② | CEMENT PLASTER FINISH - TRIM COLOR 1 | COLOR ② |
| ③ | CONC. TILE ROOF OVER ROOF | COLOR ③ |
| ④ | ROOF GUTTER | COLOR ④ |
| ⑤ | WINDOW GLASS | COLOR ⑤ |
| ⑥ | WINDOWS | COLOR ⑥ |
| ⑦ | CULTURAL WAINSCOT | COLOR ⑦ |

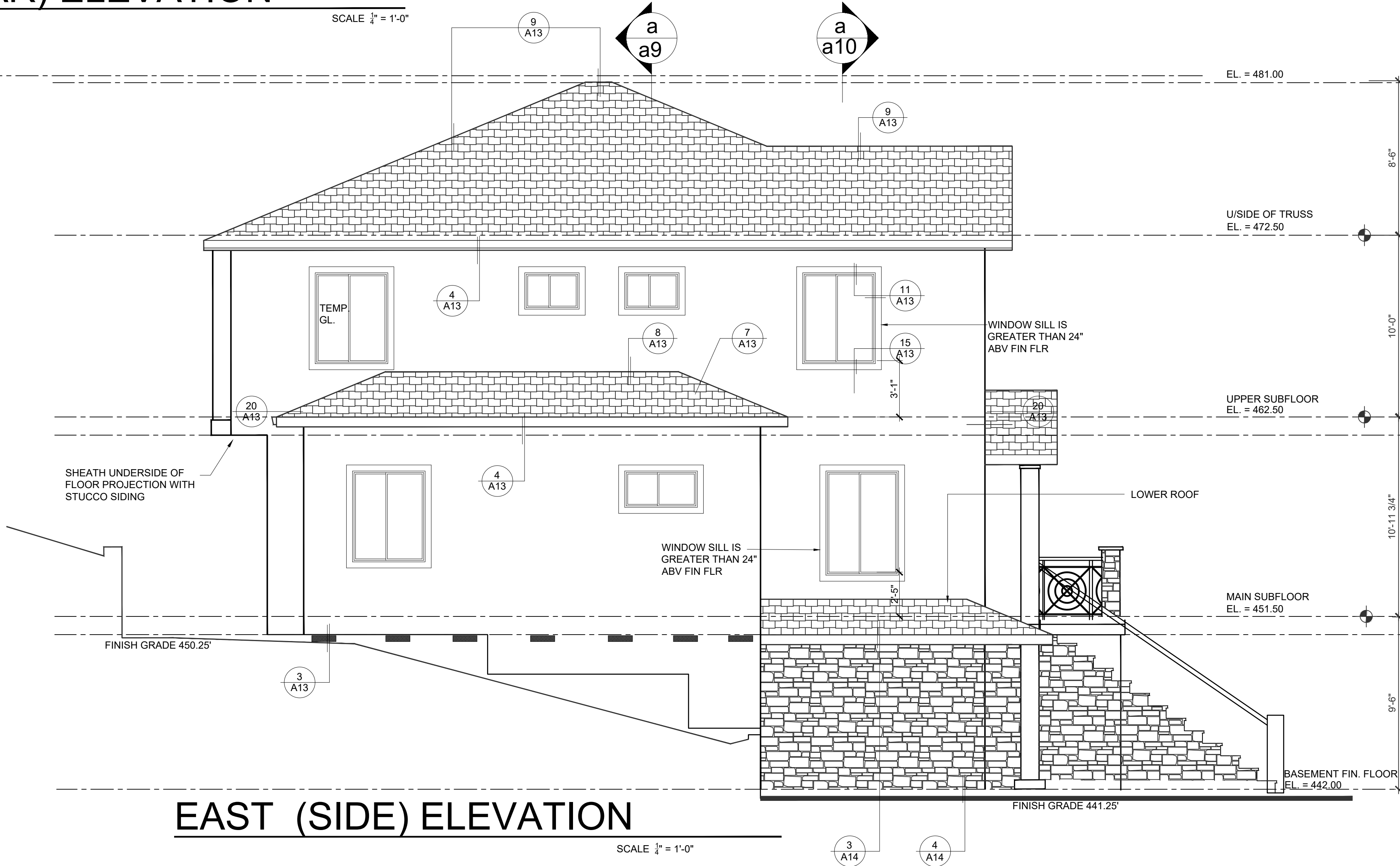
COLOR SCHEME			REFLECTIVITY INDEX
①	BODY COLOR 1 KELLEY MOORE		LRV - 31
②	TRIM 1 KELLEY MOORE		LRV - 40
③	ROOF EAGLE ROOFING CONCRETE TILE		SRI / SRV 17
④	ROOF GUTTER KELLEY MOORE		LRV - 40
⑤	WINDOW GLASS MILGARD	DOUBLE PAIN ENERGY STAR V5	
⑥	WINDOW MILGARD (Vinyl)	ENERGY STAR® V5 - NORTH CA REQUIREMENTS	
⑦	STONE		LRV=40
⑧	WINDOW TRIM MILGARD		LRV=40

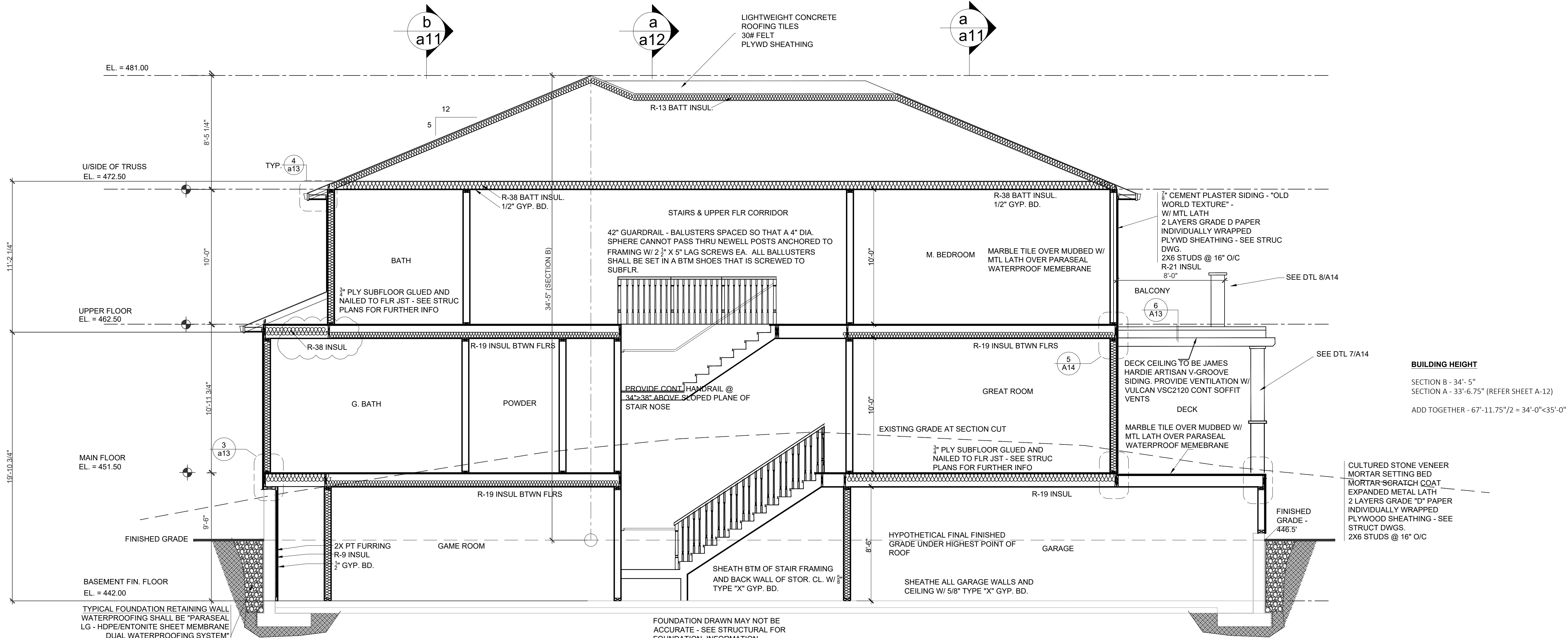
NOTE:
PAINT COLORS FOR EACH LOCATION SHOWN ARE THE SAME THROUGHOUT THE ENTIRE ELEVATION



SOUTH (REAR) ELEVATION

SCALE 3/4" = 1'-0"





SECTION A/A9

SCALE 3/4" = 1'-0"

PREPARED BY:		STEVE BENZING ARCHITECT C-17985	
PREPARED FOR:		NEW RESIDENCE ON BELLA MADEIRA LANE SAN JOSE, CA APN: 654-64-012	
DRAWING TITLE:		BUILDING SECTION	
REVISIONS	DATE:	4/15/2025	DESIGNED BY: T. PENG
			DRAWN BY: K. KUMAR
			CHECKED BY: M. SAINI
			APPROVED BY: M. SAINI
	NO.		
SHEET NUMBER		A-9.0	

Owner's Manual

Care and Operation

INSTALLER: Leave this manual with party responsible for use and operation.
OWNER: Retain this manual for future reference.
Contact your dealer with questions regarding installation, operation or service.

NOTICE: DO NOT discard this manual!

Models:
TRUE-36G-IFT
TRUE-36TG-IFT
TRUE-36S-IFT
TRUE-42G-IFT
TRUE-42TG-IFT
TRUE-42S-IFT
TRUE-50TG-IFT
TRUE-50S-IFT

GAS-FIRED
UL LISTED

This appliance may be installed as an OEM installation in manufactured home (USA only) or mobile home and must be installed in accordance with the manufacturer's instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 in the United States, or the CAN/CSA 2240 MH Series, in Canada. This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

WARNING: FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- What to do if you smell gas
 - DO NOT try to light any appliance.
 - DO NOT touch any electrical switch. DO NOT use any phone in your building.
 - Leave the building immediately.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

DANGER
HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.
A barrier designed to reduce the risk of burns from the hot-viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter. See appliance installation manual for additional Commonwealth of Massachusetts requirements.

Specifications

MODEL	FRONT WIDTH	BACK WIDTH	HEIGHT	DEPTH	GLASS SIZE
TRUE-42	Actual 67 Framing 65-9/16	Actual 65-5/16 Framing 62-5/8	Actual 61 Framing 62-5/8	Actual 24 Framing 24	41-7/8 x 36-1/16

UNIT

FRONTS

Left, Front, Right, Firescreen, Forge, Arched Firescreen, Arched Forge

O'HAGIN

THE TECHNOLOGICAL LEADER IN ATTIC VENTILATION

MATERIAL: CLAY TILE
PRODUCT: MEDIUM PROFILE (M)

1. SELECT METAL
Standard: 24 Gauge, G-90 Galvanized Steel, 20 Year Warranty
Upgrade Options: .032" Aluminum, 50 Year Warranty; 14 Oz. Copper, 50 Year Warranty

2. SELECT FINISH
Upgrade Options: Pre-Painted Galvanized Steel Finish*
BLACK, BROWN, CHARCOAL, GRAY, TERRA COTTA, WHITE

3. SELECT SUBFLASHING OPTIONS
Standard: 2" Flange
Upgrade Options: 4" Flange, 6" Flange, Diverter***

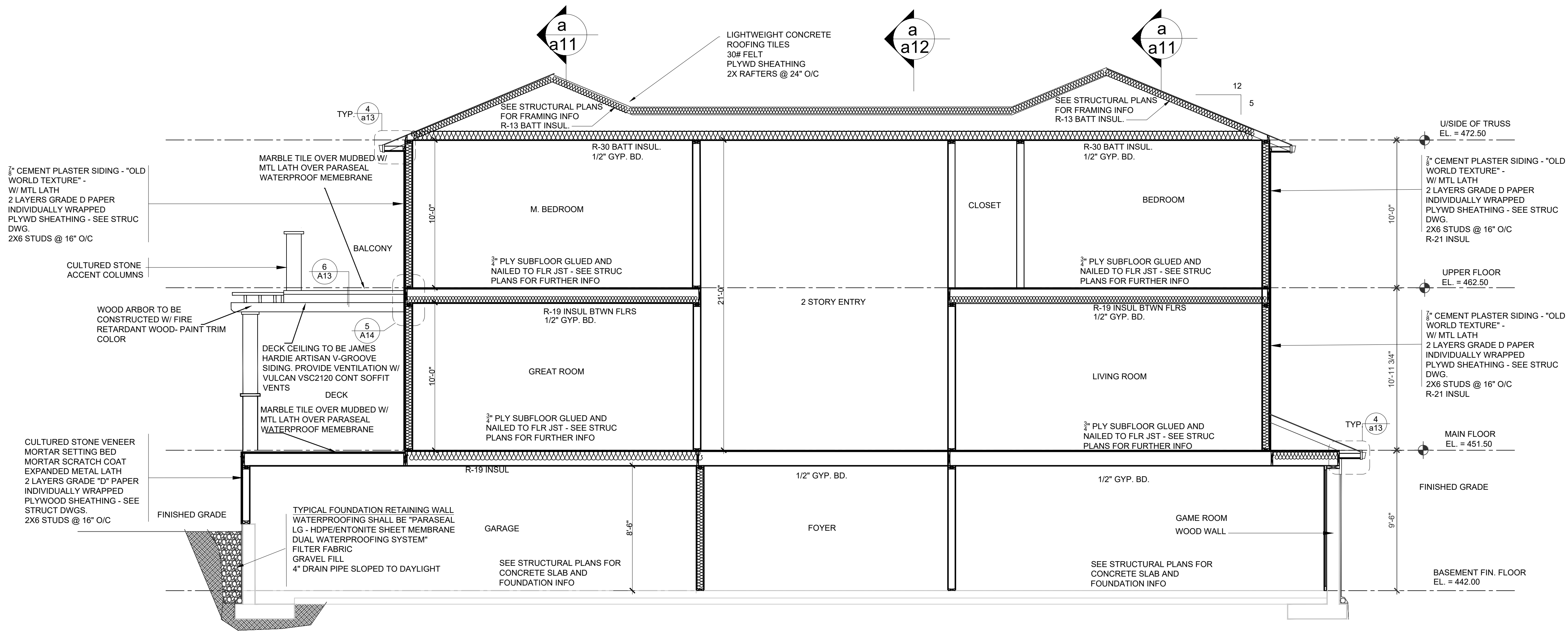
4. SELECT WIRE MESH
Standard: 1/4" Galvanized, 86.25 sq. in.
Upgrade Options: 1/4" Stainless Steel, 86.25 sq. in.
1/8" Galvanized, 77.63 sq. in.
1/8" Stainless Steel, 77.63 sq. in.

www.ohagin.com
210 Classic Court, Suite 100 • Redwood Park, CA 94928
Toll Free 877-326-0444 • Fax 707-588-9187

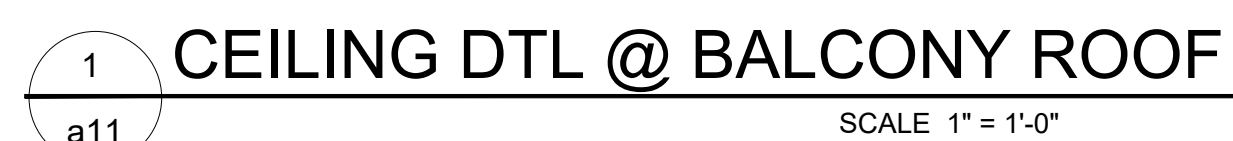
O'HAGIN IS PROUD TO WORK WITH THESE AND MANY OTHER QUALITY MANUFACTURERS

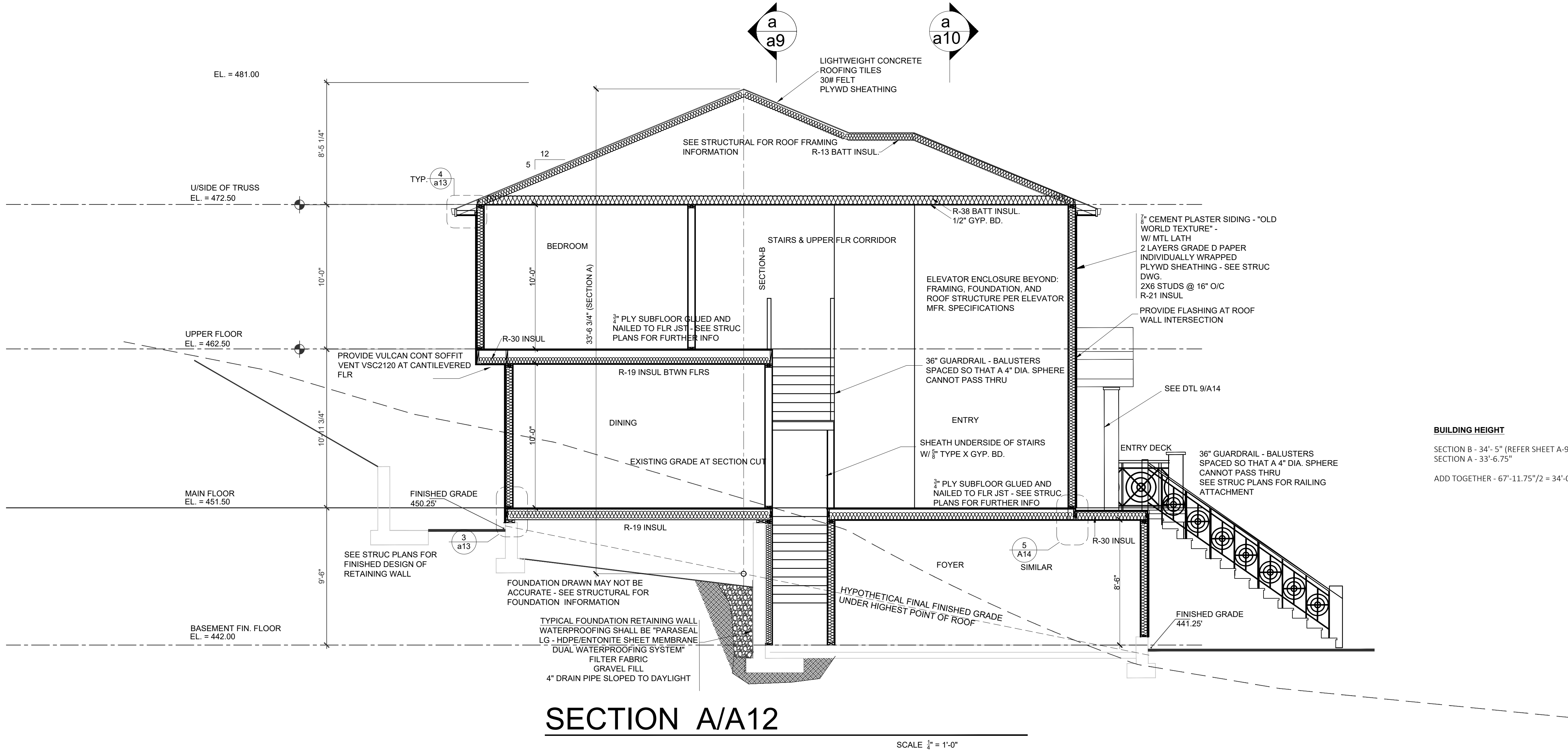
IF YOU LIVE IN A WILDLAND URBAN INTERFACE AREA (WUI), upgrade to our FIRE-RATE product line. Scan the QR Codes above with your smart phone to learn more.

LOCAL AND NATIONAL APPROVALS



PREPARED BY:		STEVE BENZING ARCHITECT C-17985	
PREPARED FOR:		NEW RESIDENCE ON BELLA MADEIRA LANE SAN JOSE, CA APN: 654-64-012	
DRAWING TITLE:		BUILDING SECTION	
REVISIONS	DATE:	4/15/2025	
	DESIGNED BY:	T. PENG	
	DRAWN BY:	K. KUMAR	
	CHECKED BY:	M. SAINI	
	APPROVED BY:	M. SAINI	
NO.			
SHEET NUMBER			
A-10			

A-11



SECTION A/A12

SCALE 1/4" = 1'-0"

BUILDING HEIGHT
SECTION B - 34'- 5" (REFER SHEET A-9)
SECTION A - 33'-6.75"
ADD TOGETHER - 67'-11.75"/2 = 34'-0"<35'-0"

PREPARED BY:
STEVE BENZING ARCHITECT
C-17985
ADDRESS: 12103 FREDERICKSBURG
SARATOGA, CA
TEL: 408-805-1328
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PREPARED FOR:
NEW RESIDENCE ON
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DRAWING TITLE:
BUILDING SECTION

NO.	REVISIONS	DATE:	4/15/2025
		DESIGNED BY:	T. PENG
		DRAWN BY:	K. KUMAR
		CHECKED BY:	M. SAINI
		APPROVED BY:	M. SAINI

SHEET NUMBER
A-12

COUNTY OF SANTA CLARA

General Construction Specifications

GENERAL CONDITIONS

1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY LANGAN TREADWELL ROLLO AND DATED JULY 26 2016 THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS, 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS. IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO THE SATISFACTION OF THE COUNTY.
2. DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE
3. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL.
4. DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
5. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
6. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
7. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
8. ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO THE USE OF SPARK ARRESTERS.
9. UPON DISCOVERING ANY UNHEALTHY ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (4008) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION 66-18).
10. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
11. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION STAKING

1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
2. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
3. PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE-ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF THE WORK.
4. PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING.

CONSTRUCTION INSPECTION

1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION PRIOR TO THE END OF SITE.
2. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION.
3. INSPECTION BY SANTA CLARA COUNTY SHALL BE LIMITED TO INSPECTION OF MATERIALS AND CONSTRUCTION OF THE PROJECT. THE COUNTY DOES NOT HAVE COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDING OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL NOTIFY THE COUNTY LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730 FOR FINAL INSPECTION PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
4. DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE MUST SUBMIT WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE. SAID REQUEST SHALL BE DIRECTED TO THE INSPECTION OFFICE. IT WILL BORE UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY. GAS AND WATER MAINS SHALL BE INSTALLED OUTSIDE THE PAVED AREAS.
5. THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR TO COMMENCEMENT OF THE BUILDING FOUNDATION.

SITE PREPARATION (CLEARING AND GRUBBING)

1. EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS:
- A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE)
- B) FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION.

UTILITY LOCATION, TRENCHING & BACKFILL

1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.
2. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
3. ALL UNDERGROUND INSTALLATIONS SHALL BE IN PLACE AND THE TRENCH BACKFILLED AND COMPACTED BEFORE PLACING AGGREGATE BASE MATERIAL OR SURFACE STRUCTURES. SURFACING MAY BE DONE IF THE UTILITY COMPANY CONCERNED INDICATES BY LETTER THAT IT WILL BORE UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY. GAS AND WATER MAINS SHALL BE INSTALLED OUTSIDE THE PAVED AREAS.
4. TRENCH BACKFILL IN EXISTING PAVEMENT AREAS SHALL BE SAND MATERIAL IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS. THE STRUCTURAL SECTION FOR TRENCH REPLACEMENT SHALL CONSIST OF NOT LESS THAN 12 INCHES OF APPROVED AGGREGATE BASE MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% AND 4 INCHES OF HOT ASPHALT CONCRETE PLACED IN TWO LIFTS. TRENCH RESTORATION FOR HIGHER TYPE PAVEMENTS SHALL BE MADE IN KIND OR AS DIRECTED BY THE COUNTY.
5. TRENCH BACKFILL IN NEW CONSTRUCTION AREAS SHALL BE SAND MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 90% THE REQUIREMENT FOR SELECT MATERIAL MAY BE WAIVED BY COUNTY IF THE NATIVE SOIL IS SUITABLE FOR USE AS TRENCH BACKFILL BUT THE COMPACTION REQUIREMENTS WILL NOT BE THEREBY WAIVED.
6. BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

RETAINING WALLS

1. REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND FORMING THE WALL.
2. SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR.

GRADING

1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IS SHALL BE STRIPPED OF ALL VEGETATION, TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5:1, IT SHALL BE BENCHED AND THE FILL KEVED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL COMPACTED TO 90% RELATIVE COMPACTION IS EXPOSED. THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. FILL MATERIAL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 6" IN UNCOMPACTED THICKNESS. BEFORE COMPACTION BEGINS, THE FILL SHALL BE BROUGHT TO A WATER CONTENT THAT WILL PERMIT PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE.
2. EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE.
3. SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) Delineated ON THE PLAN.
4. NO ORGANIC MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE REMOVED OUTSIDE OF CUT, FILL OR ROADWAY AREAS.
5. THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
6. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

LOCATION	CUT (C.Y.)	FILL (C.Y.)	VERT. DEPTH
RESIDENCE	685	0	10
ACCESSORY STRUCTURE	0	0	0
POOL/HARDSCAPE	0	0	0
LANDSCAPE	0	0	0
DRIVEWAY	104	776	6
OFF SITE IMPROVEMENTS	680	170	4.5
TOTAL	1469	946	

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE. EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE.
7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
9. THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.
10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
11. THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER FOR BUILDING OCCUPANCY.
12. THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA.
13. GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL.
14. TOTAL DISTURBED AREA FOR THE PROJECT 40470 SF.
15. VOID NO. NA.
16. THE INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND THAT A CURRENT AND UP TO DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON SITE.

TREE PROTECTION

1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE, THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE PLAN AND INCLUDING THE FOLLOWING:
- A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES.
- B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL NOT BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
- C. FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES.
- D. SIGNAGE STATING "WARNING- THIS FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299-5770. COUNTY OF SANTA CLARA TREE PROTECTION MEASURES MAY BE FOUND AT <http://www.sccplanning.gov>." SHALL BE PLACED ON THE TREE PROTECTIVE FENCING UNTIL FINAL OCCUPANCY.
2. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.
3. SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

ACCESS ROADS AND DRIVEWAYS

1. DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES PER FOOT).
2. ALL DRIVEWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15 LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2-INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING.
3. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
4. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
5. ALL WORK IN THE COUNTY ROAD RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT - I.E. CABLE, ELECTRICAL, GAS, SEWER, WATER, RETAINING WALLS, DRIVEWAY APPROACHES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ETC..

STREET LIGHTING

1. PACIFIC GAS & ELECTRIC ELECTROLIER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

SANITARY SEWER

1. THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.
2. ALL MATERIALS AND METHODS OF CONSTRUCTION OF SANITARY SEWERS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTION INVOLVED. INSPECTION OF SANITARY SEWER WORK SHALL BE DONE BY SAID JURISDICTION.

PORTLAND CEMENT CONCRETE

1. CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD. THE CONCRETE MIX DESIGN SHALL BE UNDER THE CONTINUAL CONTROL OF THE COUNTY INSPECTOR.

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
4. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
5. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
6. ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
7. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
9. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS: OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
10. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
11. ALL EXPOSED DISTURBED AREAS SHALL BE SEED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH.
12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SDB.
13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATORS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT IN AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
15. PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY RELEASE BY THE BUILDING INSPECTION OFFICE.
16. THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.
17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPs) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY THROUGHOUT THE DURATION OF THE CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT-OF-WAY, STORM SEWER SYSTEMS, ROADWAY INFRASTRUCTURE. BMPs SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
- A. PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN / STAGING AREAS.
- B. PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
- C. PREVENTION OF DISCHARGE OF WATER RUN-OFF DURING DRY AND WET WEATHERATION CONDITIONS ONTO THE PUBLIC ROAD RIGHT-OF-WAY.
18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL, STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT-OF-WAY.
19. EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR AROUND BASIS, DEPENDING ON THE SEASON, WEATHER, AND FIELD CONDITIONS. EROSION CONTROL MEASURES IN ADDITION TO THOSE NOTED IN THE PERMITTED PLANS MAY BE NEEDED ON FAILURE TO INSTALL, SITE AND SITUATION. APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

STORM DRAINAGE AND STORMWATER MANAGEMENT

1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES IN A MANNER WHICH WILL PRECLUDE ANY HAZARD TO LIFE, HEALTH, OR DAMAGE TO ADJOINING PROPERTY, CONSISTENT WITH NPDES PERMIT CA5612008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CA5000004/ ORDER NO. 2013-0001-DWQ.
2. DROP INLETS SHALL BE COUNTY STANDARD TYPE 5 UNLESS OTHERWISE NOTED ON THE PLANS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF DROP INLETS. WHERE STREET PROFILE GRADE EXCEEDS 6% DROP INLETS SHALL BE SET AT 500 ANGLE CURB LINE TO ACCEPT WATER OR AS SHOWN ON THE PLANS.
3. WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN OPEN AREA FOR SHEET FLOW.
4. UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
5. THE COUNTY SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS AND STORMWATER MANAGEMENT FEATURES PRIOR TO BACKFILL.

AS-BUILT PLANS STATEMENT

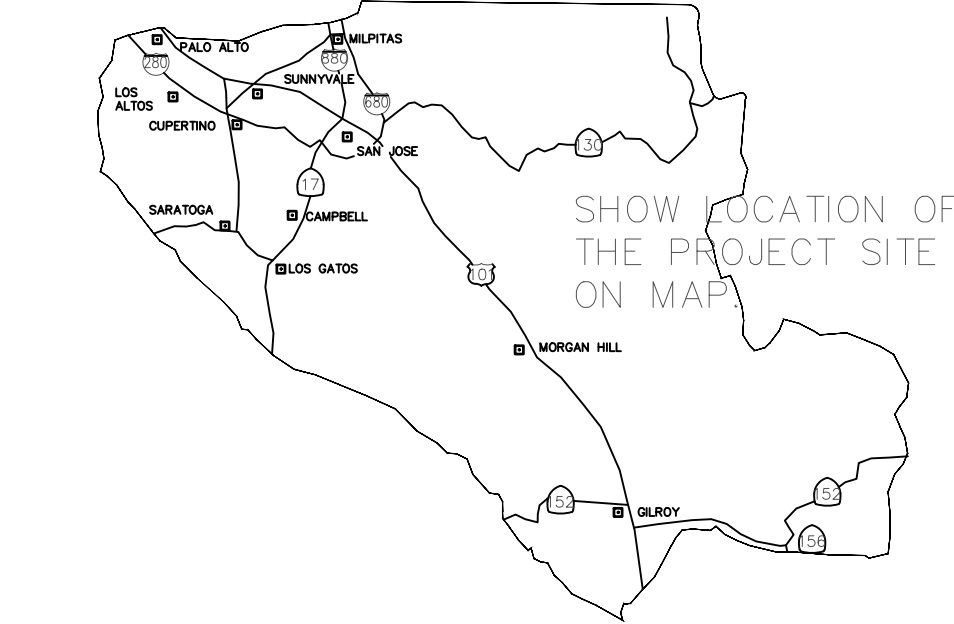
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (___) WERE) (___) WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (*). THERE (___) WERE) (___) WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL Δ.

DATE 5/23/2025 SIGNATURE _____

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER CONSTRUCTION.

GEOTECHNICAL ENGINEER OBSERVATION

1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.



COUNTY LOCATION MAP



SURVEY MONUMENT PRESERVATION

1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION ACTIVITIES.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG OR OTHERWISE IDENTIFY WITH PAINT OR OTHER MARKINGS ALL PERMANENT SURVEY MONUMENTS OF RECORD AND ANY UNRECORDED MONUMENTS THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET OF THE CONSTRUCTION ACTIVITY.
3. THE LANDOWNER, CONTRACTOR AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING, ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.

COUNTY OF SANTA CLARA
LAND DEVELOPMENT ENGINEERING & SURVEYING

GRADING / DRAINAGE PERMIT NO. _____

ISSUED BY: _____ DATE: _____

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS

ISSUED BY: _____ DATE: _____

ENCROACHMENT PERMIT NO. _____

NO WORK SHALL BE DONE IN THE COUNTY'S RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT, INCLUDING THE STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT OF PORTABLE TOILETS.

ENGINEER'S STATEMENT

I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE WITHOUT AN ENCROACHMENT PERMIT, INCLUDING THE STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT OF PORTABLE TOILETS.

DATE 5/23/2025 SIGNATURE _____ R.C.E. NO. _____

EXPIRATION DATE _____

COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITTEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPICTURE FROM) THE SPECIFICATIONS OF THE PLANS, THE COUNTY SHALL HAVE THE AUTHORITY TO REQUIRE THE SUSPENSION OF WORK, AND THE NECESSARY MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

DATE 5/23/2025 SIGNATURE _____ DARRELL K.H.WONG

63958 9/30/22

R.C.E. NO. EXPIRATION DATE

GRADING PLANS
[APN 654-64-012]
JAMES LE RESIDENTIAL DEVELOPMENT
BELLA MADEIRA LANE
SAN JOSE, SANTA CLARA COUNTY

LEGEND

DESCRIPTION	TO BE CONST.	EXISTING
PROPERTY LINE	---	---
LIMITS OF WORK OR BOUNDARY	---	---
CURB AND GUTTER	---	---
SIDEWALK	---	---
CITY SURVEY MONUMENT	●	●
SEPTIC TIGHT-LINE	----	----
SEPTIC TANK	□	□
STORM SEWER	---	---
STORM DRAIN MANHOLE	⊙	⊙
DRAINAGE INLET AT CURB	⊠	⊠
ELECTROLIER	---	---
EDGE OF PAVEMENT	---	---
PACING CONFORM OR OVERLAY TO FORM SMOOTH AC TRANSITION	---	---
CATCH BASIN	---	---

SCOPE OF WORK

1. THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLAN. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION CONTROL PLANS TO PREVENT ILLICIT DISCHARGES FROM THE SITE DURING CONSTRUCTION.
2. THE PROJECT IS A NEW RESIDENTIAL DEVELOPMENT, DOUBLE STORY WITH BASEMENT GARAGE AND MEDIA ROOM.
3. APPROXIMATE SQUARE FOOTAGE=2,400 SQ.FT (REFER FLOOR PLAN DRAWING), AND APPROXIMATELY 1,000 SQ FT BASEMENT AREA.
4. THE PROJECT REQUIRES:
- I. CONSTRUCTION OF ACCESS ROAD OF APPROXIMATELY 500 DT LONG.
- II. CONSTRUCTION OD RETAINING WALLS.
- III. CONSTRUCTION OF CONCRETE BLOCK WALLS.
- IV. CONSTRUCTION OF SEPTIC TANK AND LEACH FIELDS

SHEET INDEX

S.NO		CIVIL PLANS
1	G-00	COVER SHEET AND GENERAL NOTES
2	G-01	EXISTING SITE CONDITIONS
3	G-02	TOPOGRAPHIC SURVEY
4	G-03	RECORD OF SURVEY
5	C-10	SITE GRADING PLAN
6	C-11	FIRE TRUCK TURNAROUND AND FIRE HYDRANT LOCATION PLAN
7	C-20	GRADING AND DRAINAGE PLAN (1 OF 2)
8	C-21	GRADING AND DRAINAGE PLAN (2 OF 2)
9	C-30	DRIVEWAY GRADING PLAN AND PROFILE
10	C-40	BUILDING LAYOUT & UTILITIES LOCATION
11	C-50	HOUSE PAD SECTION
12	C-60	SECTIONS
13	C-70	DRIVEWAY CROSS SECTIONS & APPROACH PLAN & PROFILE
14	D-1	GRADING DETAIL
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16	ESC-1	EROSION CONTROL PLAN
17	TPZ-1	TREE LOCATION PLAN
18	SWMP-1	STORM WATER MANAGEMENT PLAN

EXISTING TREE PROTECTION DETAILS

1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.
2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN LINK OR EQUIVALENT STRENGTH / DURABILITY).
3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
4. TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD. INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL INSPECTION.
5. A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

FIRE SPRINKLERS WILL BE A DEFERRED SUBMITTAL.

NEW FIRE HYDRANT INSTALLATION IS A DEFERRED SUBMITTAL. PERMIT REQUIRED UNLESS INSTALLED BY A PUC REGULATED WATER PURVEYOR (BELLA MADEIRA HOA OR MUTUAL WATER COMPANY)."

ENGINEER'S NAME: MANJIT SAINI

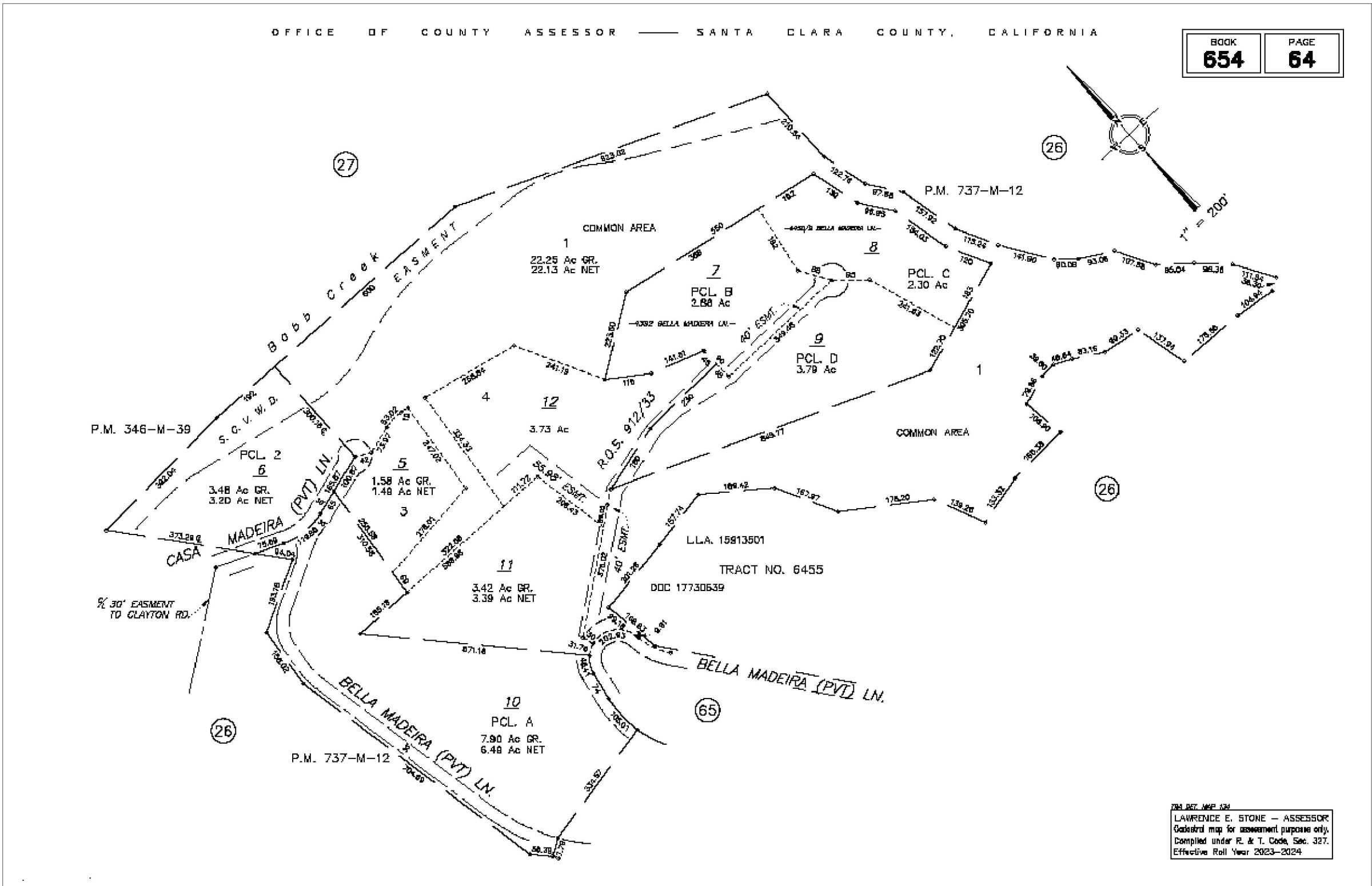
ADDRESS: 871 CAPE YORK PL. SANJOSE, CA 95133

PHONE NO. 408-313-5400

FAX NO. 408-904-6997

Revision 1	APN	Sheet
Revision 2	654-64-012	G-00
Revision 3	Co. File	1 OF 18

LEGAL ACCESS AND UTILITY EASEMENT FROM CLAYTON ROAD
PARCEL MAP. (BOOK NO. 469 O.R. PAGE NO. 150)



AERIAL MAP SHOWING ACCESS TO SITE



NOTE:
FROM CLAYTON ROAD (COUNTY MAINTAINED ROAD) ACCESS TO THIS SITE IS VIA CASA MADEIRA LANE (PRIVATELY MAINTAINED ROAD) THEN TO BELLA MADEIRA LANE (PRIVATELY MAINTAINED ROAD) AS SHOWN ABOVE. SEE LEGAL ACCESS PARCEL MAP.

PROJECT NOTES

1. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
2. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
3. PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL GRADED AREAS SHALL BE RESESSED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADED SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
4. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THIS PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST OF THE COUNTY) TO PUBLIC MAINTENANCE ROADS STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
5. THE WATER AND SANITARY UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.
6. THE OWNER AND THE PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.

GENERAL SITE CONDITIONS

1. THE DEVELOPMENT IS ON SLOPED GROUND.
2. GEOLOGICAL AND GEOTECHNICAL INVESTIGATION ASSESSMENT FOR SITE HAS BEEN COMPLETED, AND SUBMITTED TO COUNTY

SITE DRAINAGE AND STORM WATER MANAGEMENT

1. SITE DRAINAGE PATTERN SHALL BE MAINTAINED TO EXISTING CONDITIONS AS MUCH AS PRACTICAL.
2. THE RUNOFF FROM THE DEVELOPED AREA SHALL MATCH THE EXISTING CONDITIONS RUNOFF FOR A 2-YEAR 24 HOUR EVENT. STORAGE SHALL BE PROVIDED TO MAINTAIN THE PEAK FLOW TO PRE-DEVELOPMENT CONDITIONS.

TREE SURVEY AND REMOVAL

1. A DETAILED ARBORIST REPORT PREPARED FOR THE TREES TO BE REMOVED BY THIS DEVELOPMENT.
2. THE TREES NOT TO BE REMOVED SHALL BE PROTECTED IN ACCORDANCE WITH COUNTY REQUIREMENTS.

TOPOGRAPHIC SURVEY

TOPOGRAPHIC SURVEY FOR THE SITE WAS COMPLETED BY WILSON SURVEY. REFER SHEET G-02

GEOTECHNICAL NOTES:

1. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING AND GEOTECHNICAL WORK TO COORDINATE WORK IN THE FIELD.
2. ALL MATERIALS FOR FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. BEFORE IT IS BROUGHT TO THE SITE.
3. ALL AGGREGATE BASE AND ENGINEERED FILL THAT WILL SUPPORT STRUCTURES OR OTHER SITE IMPROVEMENTS IS TO BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D1557-10 TEST METHOD.
4. UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED, AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.
5. IN ALL PAVEMENT AREAS, THE UPPER 12 INCHES OF ALL TRENCH BACKFILL MUST BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION.



JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

EXISTING SITE CONDITION

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	
NO.	

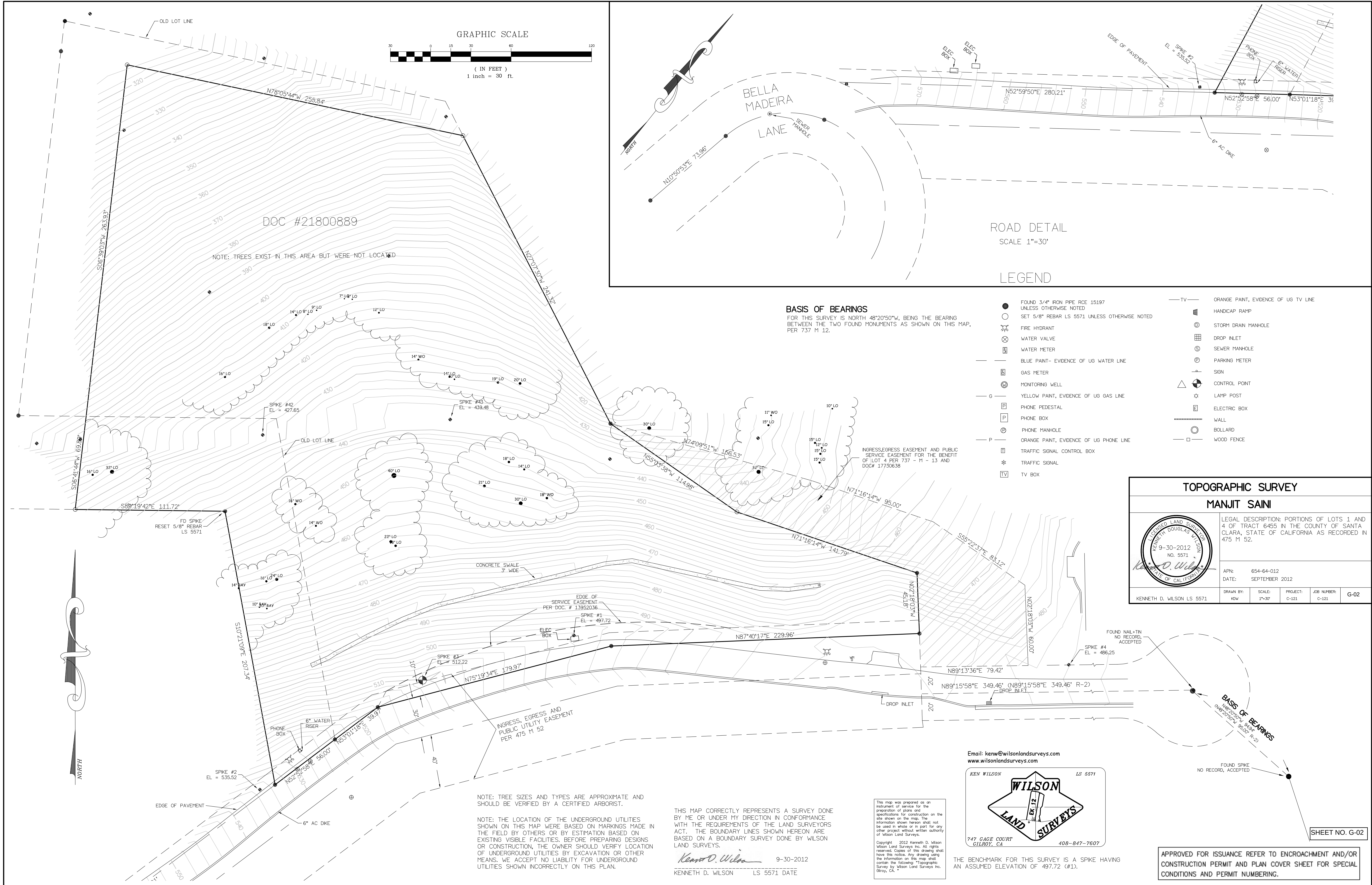
SHEET NUMBER
G-01
2 OF 18 SHEETS

ARCHITECTURE

ENGINEERING

CONSULTATION

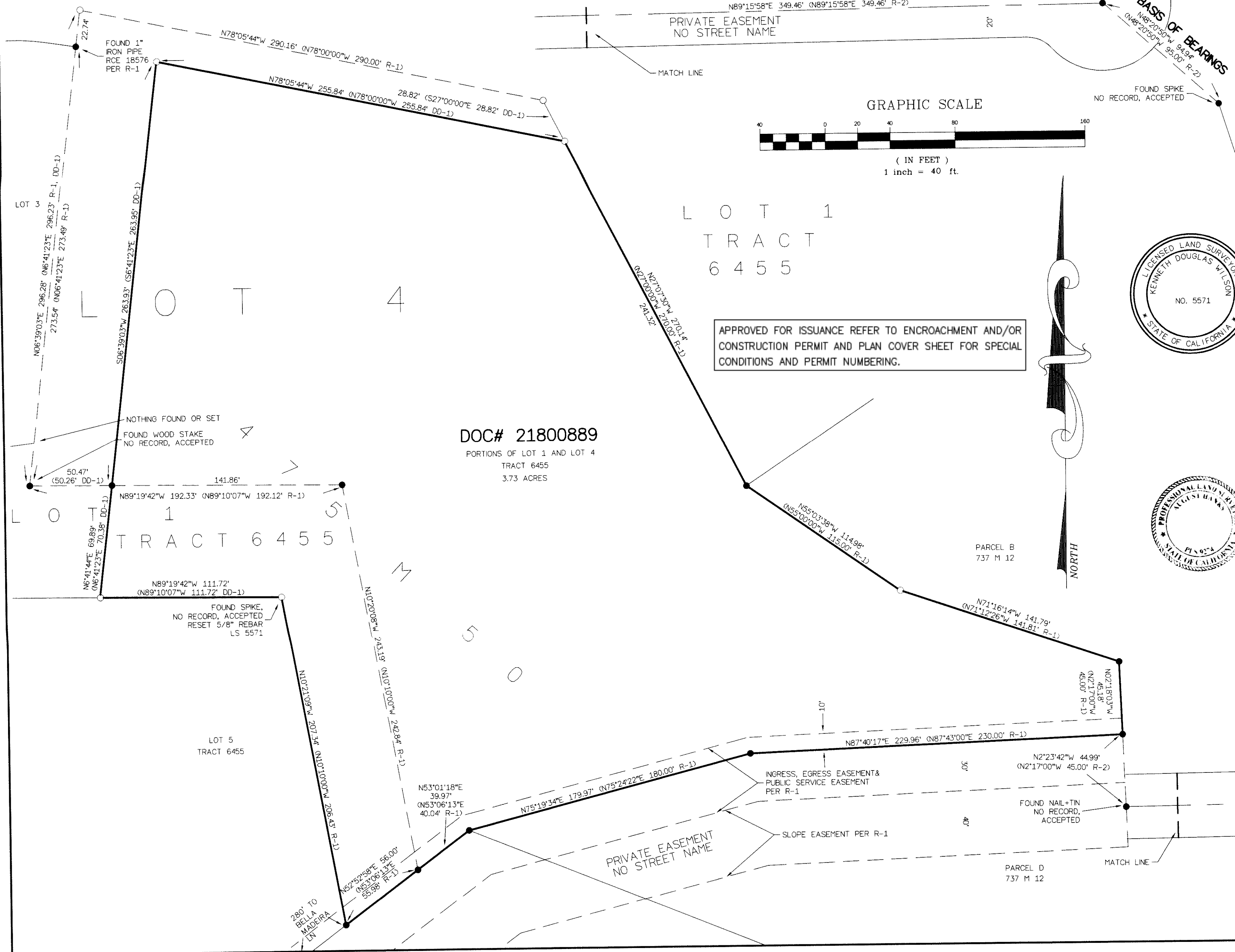
CONSTRUCTION



BASIS OF BEARINGS

FOR THIS SURVEY IS NORTH 48°20'50"W, BEING THE BEARING BETWEEN THE TWO FOUND MONUMENTS AS SHOWN ON THIS MAP, PER 737 M 12.

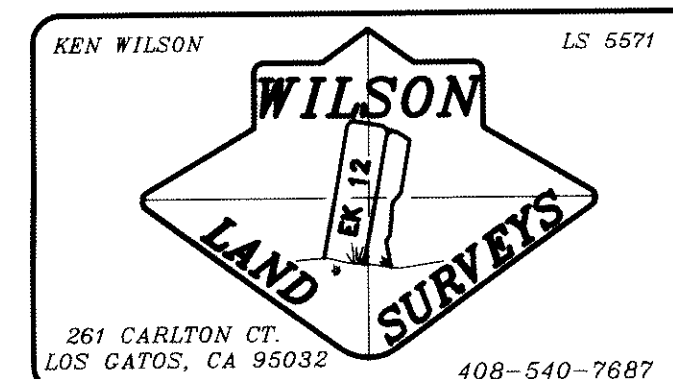
REASONS FOR MANDATORY FILING ARE PER LAND SURVEYORS ACT SECTION 8762 (B)(4)



LEGEND

- FOUND 3/4" IRON PIPE RCE 5922 PER R-1 UNLESS OTHERWISE NOTED
- SET 5/8" REBAR W/ PLASTIC CAP LS 5571 UNLESS OTHERWISE NOTED
- R-1 475 M 50
- R-2 737 M 12-13
- DD-1 DOC # 21800889
- () RECORD INFORMATION
- SURVEYED PROPERTY LINE
- CENTERLINE
- TIE LINE/ORIGINAL LOT LINE

Email: kenw@wilsonlandsurveys.com
www.wilsonlandsurveys.com



SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS ACT AT THE REQUEST OF MANJIT SAINI IN OCTOBER, 2017.

Kenneth D. Wilson 3-12-2018
KENNETH D. WILSON LS 5571

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS ACT THIS 9th DAY OF April 2018

WILLIAM F. SLEPNIKOFF, COUNTY SURVEYOR
PLS NO. 5701

BY: *August Hanks*
AUGUST HANKS, DEPUTY COUNTY SURVEYOR
PLS NO. 9274

RECORDER'S STATEMENT

FILED THIS 10 DAY OF April 2018 AT 9:44 A.M. IN BOOK 912 OF MAPS AT PAGE 33, AT THE REQUEST OF KENNETH D. WILSON.
FILE NO. 23906445 FEE \$83.00

REGINA ALCOMENDRAS, COUNTY RECORDER

BY: *Oscar Quijila*
DEPUTY

RECORD OF SURVEY

AS REQUESTED BY:
MANJIT SAINI

LEGAL DESCRIPTION: PORTION OF LOTS 1 AND 4 OF TRACT 6455 IN THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA AS DESCRIBED IN DOCUMENT# 21800889 RECORDS OF SAID COUNTY.

APN: 654-64-012

DATE: OCTOBER 2017

FILENAME: C-121 SAINI RECORD OF SURVEY

FIELD BOOK:

DRAWN BY:	SCALE:	PROJECT:	JOB NUMBER:	SHEET:
KTW	1"=40'	C-121	C-121	G-03

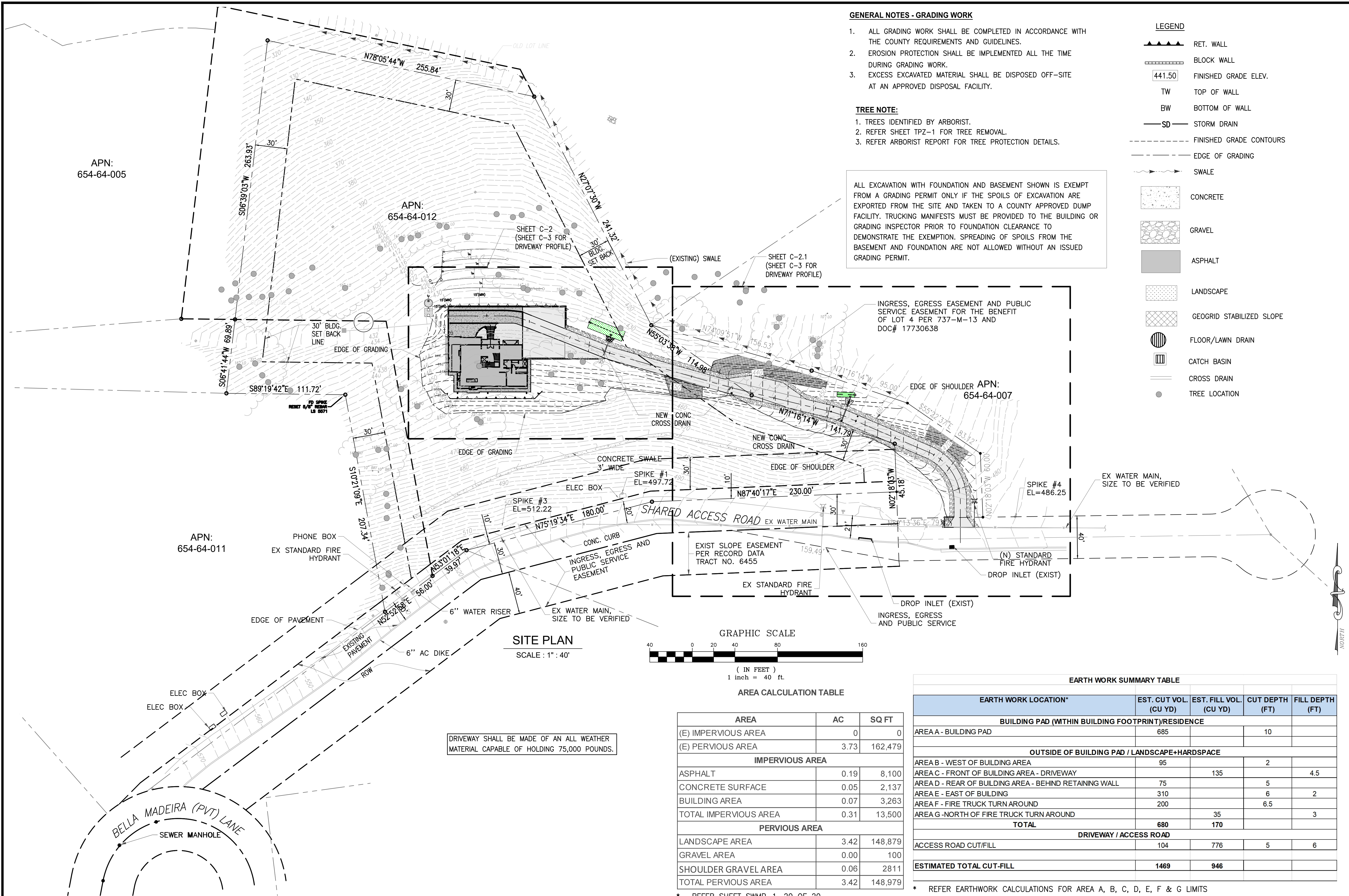
SHEET NO. G-03
4 OF 18 SHEETS

23906445

912/

33

33



GENERAL NOTES - GRADING WORK

1. ALL GRADING WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE COUNTY REQUIREMENTS AND GUIDELINES.
2. EROSION PROTECTION SHALL BE IMPLEMENTED ALL THE TIME DURING GRADING WORK.
3. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OFF-SITE AT AN APPROVED DISPOSAL FACILITY.

TREE NOTE:

1. TREES IDENTIFIED BY ARBORIST.
2. REFER SHEET TPZ-1 FOR TREE REMOVAL.
3. REFER ARBORIST REPORT FOR TREE PROTECTION DETAILS.

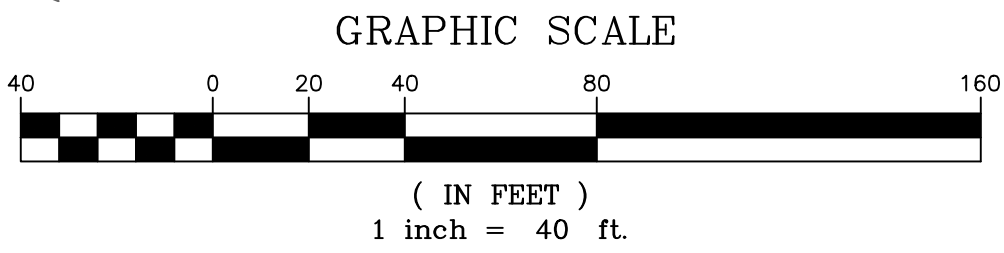
ALL EXCAVATION WITH FOUNDATION AND BASEMENT SHOWN IS EXEMPT FROM A GRADING PERMIT ONLY IF THE SPOILS OF EXCAVATION ARE EXPORTED FROM THE SITE AND TAKEN TO A COUNTY APPROVED DUMP FACILITY. TRUCKING MANIFESTS MUST BE PROVIDED TO THE BUILDING OR GRADING INSPECTOR PRIOR TO FOUNDATION CLEARANCE TO DEMONSTRATE THE EXEMPTION. SPREADING OF SPOILS FROM THE BASEMENT AND FOUNDATION ARE NOT ALLOWED WITHOUT AN ISSUED GRADING PERMIT.

LEGEND

- RET. WALL
- BLOCK WALL
- 441.50 FINISHED GRADE ELEV.
- TW TOP OF WALL
- BW BOTTOM OF WALL
- SD STORM DRAIN
- FINISHED GRADE CONTOURS
- EDGE OF GRADING
- SWALE
- CONCRETE
- GRAVEL
- ASPHALT
- LANDSCAPE
- GEOGRID STABILIZED SLOPE
- FLOOR/LAWN DRAIN
- CATCH BASIN
- CROSS DRAIN
- TREE LOCATION

SITE PLAN

SCALE : 1" : 40'



AREA CALCULATION TABLE

AREA	AC	SQ FT
(E) IMPERVIOUS AREA	0	0
(E) PERVIOUS AREA	3.73	162,479
IMPERVIOUS AREA		
ASPHALT	0.19	8,100
CONCRETE SURFACE	0.05	2,137
BUILDING AREA	0.07	3,263
TOTAL IMPERVIOUS AREA	0.31	13,500
PERVIOUS AREA		
LANDSCAPE AREA	3.42	148,879
GRAVEL AREA	0.00	100
SHOULDER GRAVEL AREA	0.06	2811
TOTAL PERVIOUS AREA	3.42	148,979

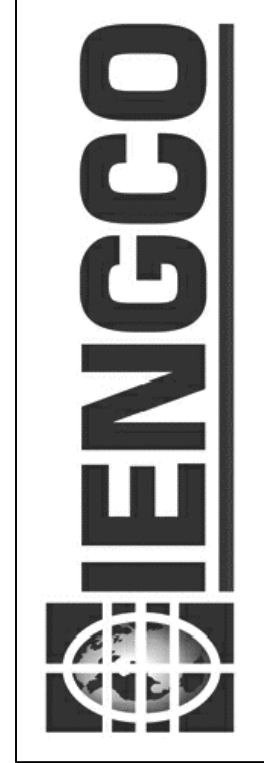
* REFER SHEET SWMP-1, 20 OF 20

EARTH WORK SUMMARY TABLE

EARTH WORK LOCATION*	EST. CUT VOL. (CU YD)	EST. FILL VOL. (CU YD)	CUT DEPTH (FT)	FILL DEPTH (FT)
BUILDING PAD (WITHIN BUILDING FOOTPRINT)/RESIDENCE				
AREA A - BUILDING PAD	685		10	
OUTSIDE OF BUILDING PAD / LANDSCAPE+HARDSHAPES				
AREA B - WEST OF BUILDING AREA	95		2	
AREA C - FRONT OF BUILDING AREA - DRIVEWAY		135		4.5
AREA D - REAR OF BUILDING AREA - BEHIND RETAINING WALL	75		5	
AREA E - EAST OF BUILDING	310		6	2
AREA F - FIRE TRUCK TURN AROUND	200		6.5	
AREA G - NORTH OF FIRE TRUCK TURN AROUND		35		3
TOTAL	680	170		
DRIVEWAY / ACCESS ROAD				
ACCESS ROAD CUT/FILL	104	776	5	6
ESTIMATED TOTAL CUT-FILL	1469	946		

* REFER EARTHWORK CALCULATIONS FOR AREA A, B, C, D, E, F & G LIMITS

NOTE: THE CUT/FILL QUANTITIES SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON FINAL GRADING AND CONSTRUCTION.



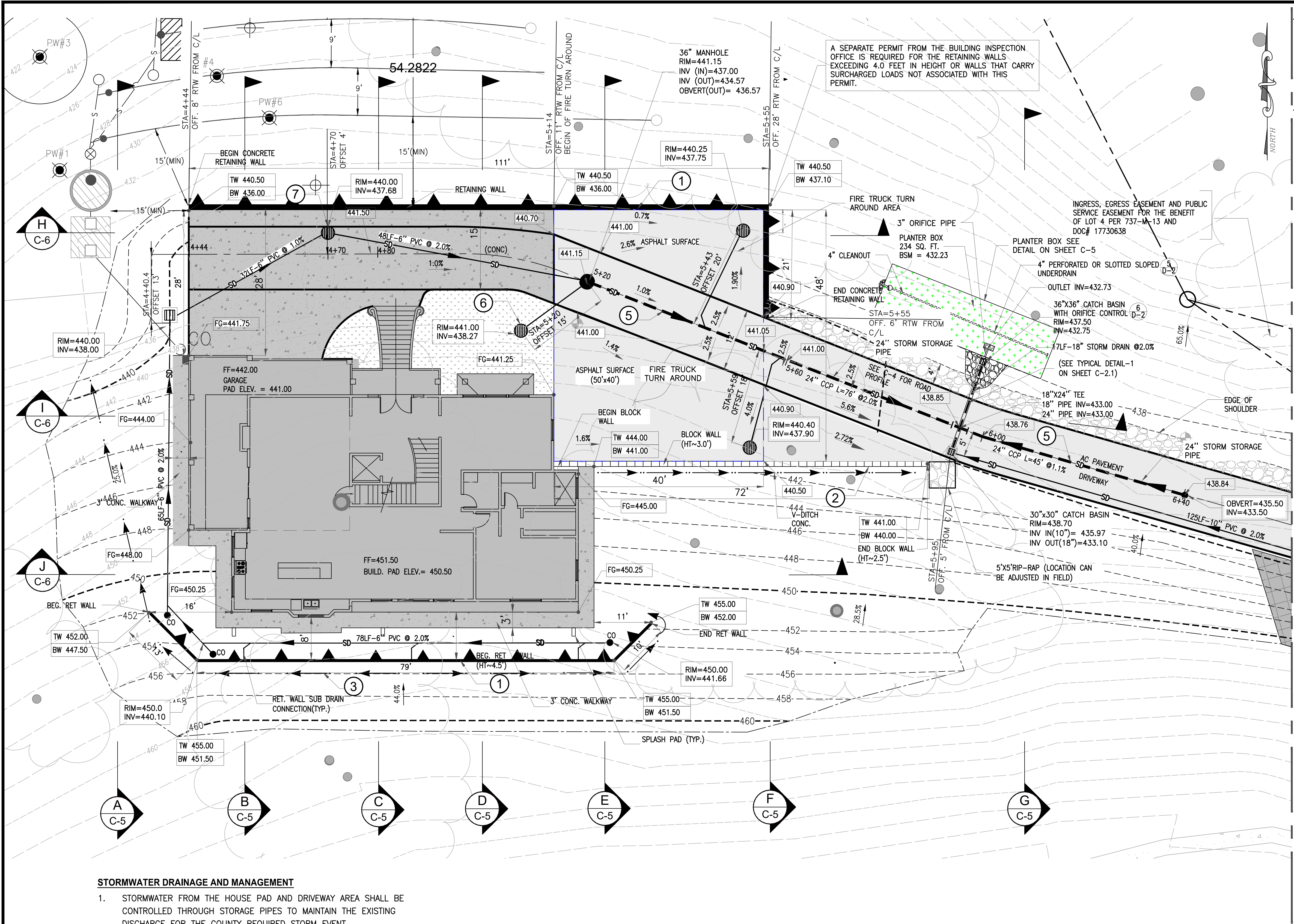
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

SITE GRADING KEY PLAN

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	
NO.	

SHEET NUMBER
C-1.0
5 OF 18 SHEETS

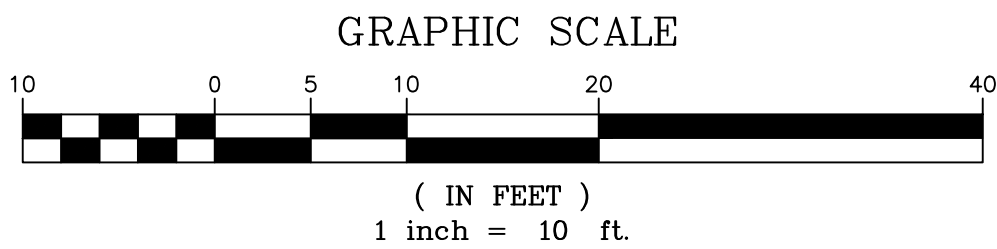


- STORMWATER DRAINAGE AND MANAGEMENT**
1. STORMWATER FROM THE HOUSE PAD AND DRIVEWAY AREA SHALL BE CONTROLLED THROUGH STORAGE PIPES TO MAINTAIN THE EXISTING DISCHARGE FOR THE COUNTY REQUIRED STORM EVENT.
 2. CATCH BASINS SHALL BE CONSTRUCTED TO CAPTURE STORMWATER FROM THE HOUSE PAD, DRIVEWAY AND LANDSCAPE AREA.
 3. DRAINAGE PATTERN OF THE SITE FROM THE DISTURBED AND UNDISTURBED AREAS SHALL BE MAINTAINED TO THE EXISTING CONDITIONS AS PRACTICAL.

RETAINING WALLS PERMIT
A SEPARATE PERMIT FROM THE BUILDING INSPECTION OFFICE IS REQUIRED FOR THE RETAINING WALLS EXCEEDING 4.0' IN HEIGHT OR WALLS THAT CARRY SURCHARGE LOAD.

CATCH BASINS OFFSET
CATCH BASINS STATION AND OFFSET ARE FROM CENTER OF CATCH BASINS.

SITE IMPROVEMENT PLAN
SCALE : 1" = 10'



GENERAL SITE SLOPE (AVERAGE)
UPPERMOST CONTOUR ELEVATION = 464 FT
LOWERMOST CONTOUR ELEVATION = 404 FT
ELEVATION DIFFERENCE = 56 FT
DISTANCE BETWEEN CONTOURS = 60 FT
SLOPE = 16/60 = 30%

GENERAL SITE SLOPE - HOUSE PAD AREA
UPPERMOST CONTOUR ELEVATION = 469 FT
LOWERMOST CONTOUR ELEVATION = 446 FT
ELEVATION DIFFERENCE = 23 FT
DISTANCE BETWEEN CONTOURS = 90 FT
SLOPE = 23/90 = 25%

- KEY PLAN NOTES**
- ① RET. WALL
 - ② CONC. BLOCK WALL
 - ③ V-DITCH (CONC.)
 - ④ STORM DRAIN
 - ⑤ 24 INCH STORM WATER STORAGE PIPE
 - ⑥ LAWN DRAIN
 - ⑦ FLOOR DRAIN
 - ⑧ CATCH BASIN

- LEGEND**
- RET. WALL
 - BLOCK WALL
 - 441.50 FINISHED GRADE ELEV.
 - TW TOP OF WALL
 - BW BOTTOM OF WALL
 - SD STORM DRAIN
 - FINISHED GRADE CONTOURS
 - EDGE OF GRADING
 - SWALE (EARTH)
 - V-DITCH CONC.
 - CONC. DRIVEWAY
 - GRAVEL PAD
 - ASPHALT
 - LANDSCAPE
 - GEOGRID STABILIZED SLOPE
 - FLOOR/LAWN DRAIN
 - CATCH BASIN
 - CROSS DRAIN
 - TREE LOCATION
 - STORM WATER STORAGE PIPE
 - PW #3 PERC. TEST LOCATION
 - LEACH FIELD TEST EXCAVATION PIT
 - MANHOLE



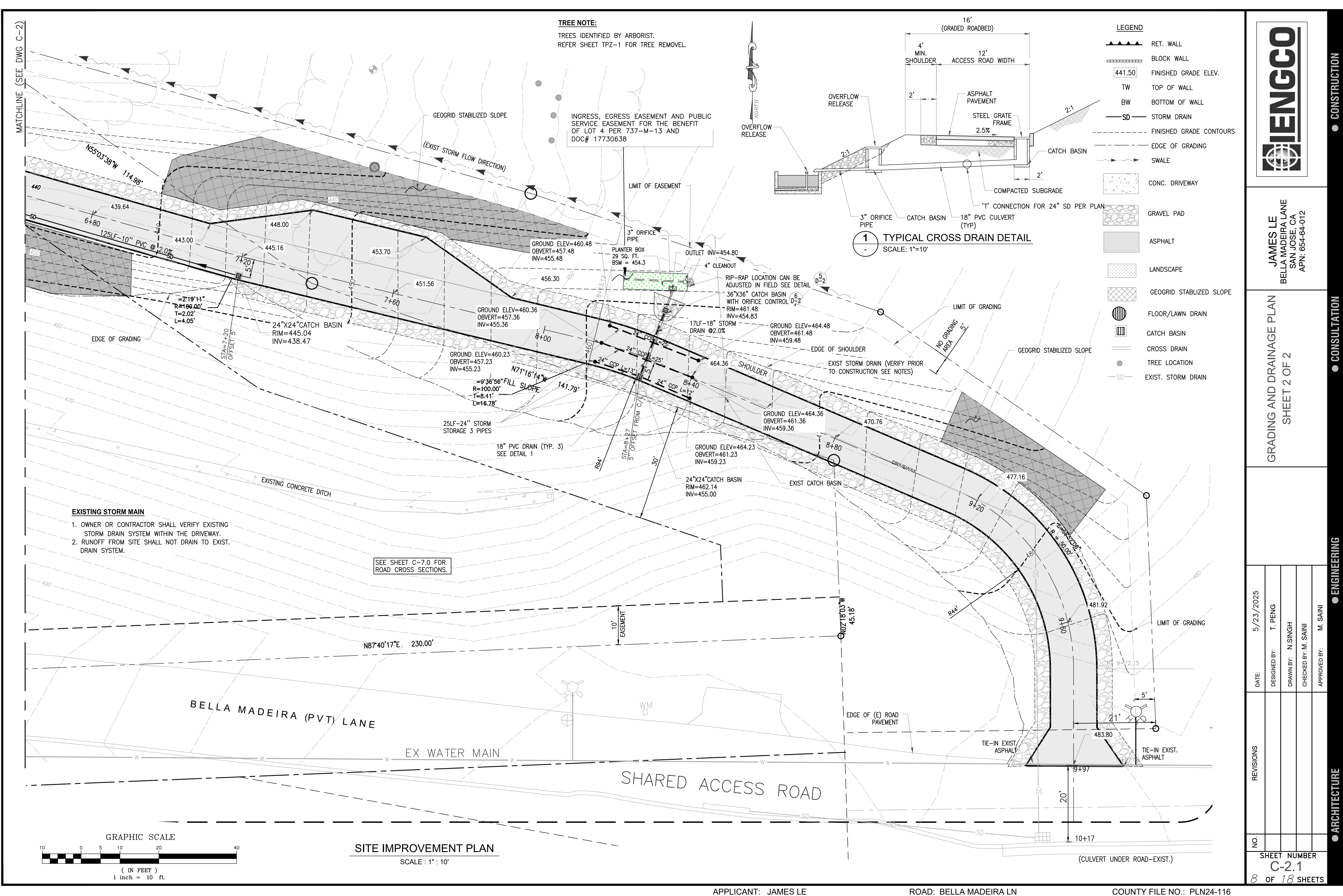
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

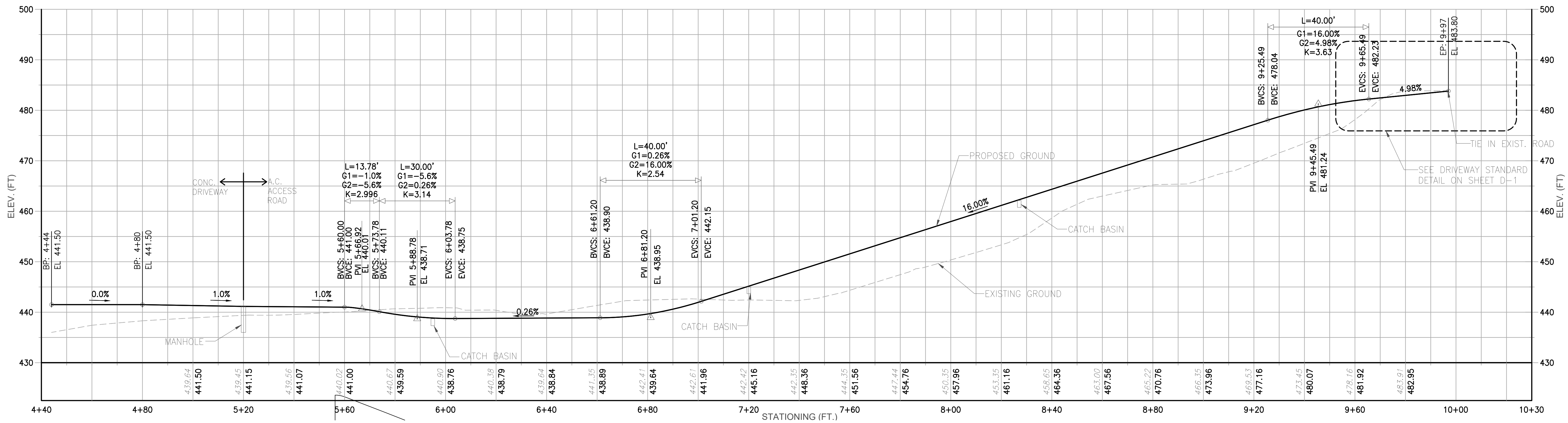
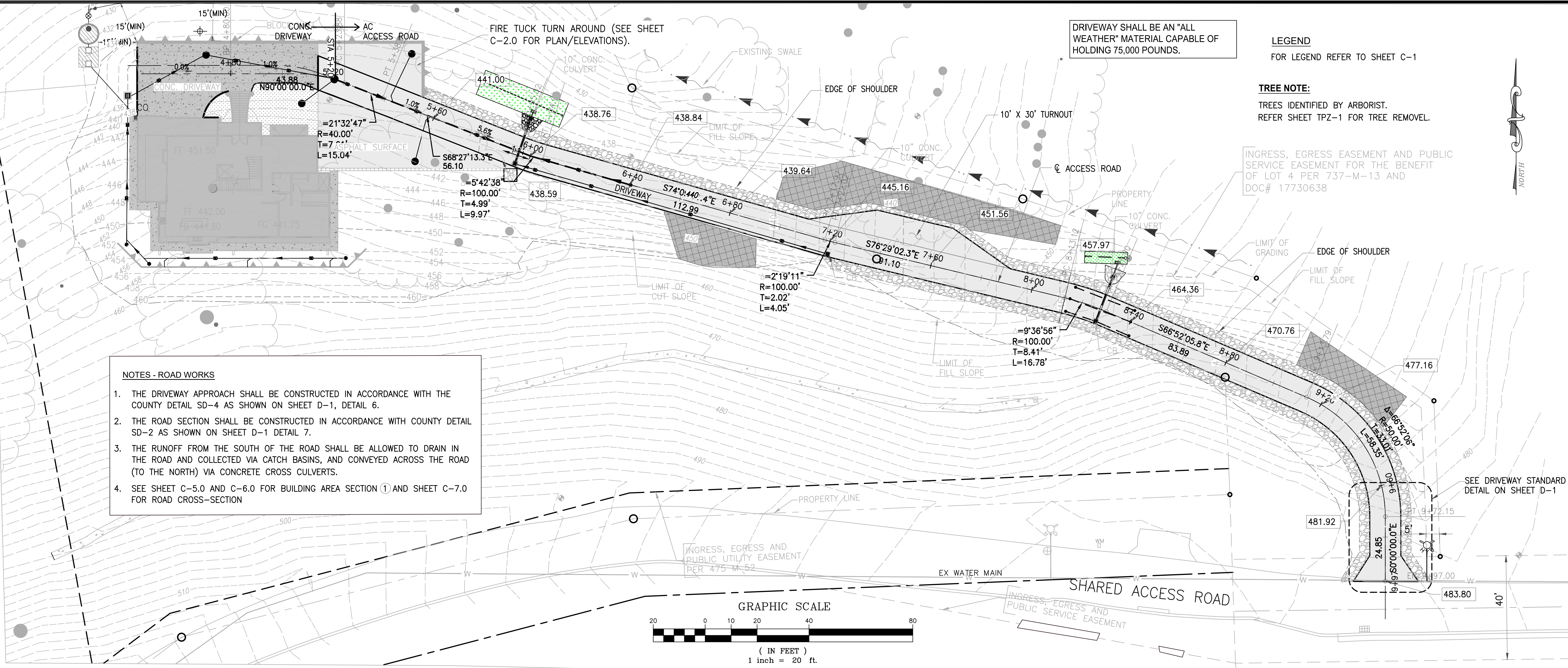
GRADING AND DRAINAGE PLAN
SHEET 1 OF 2

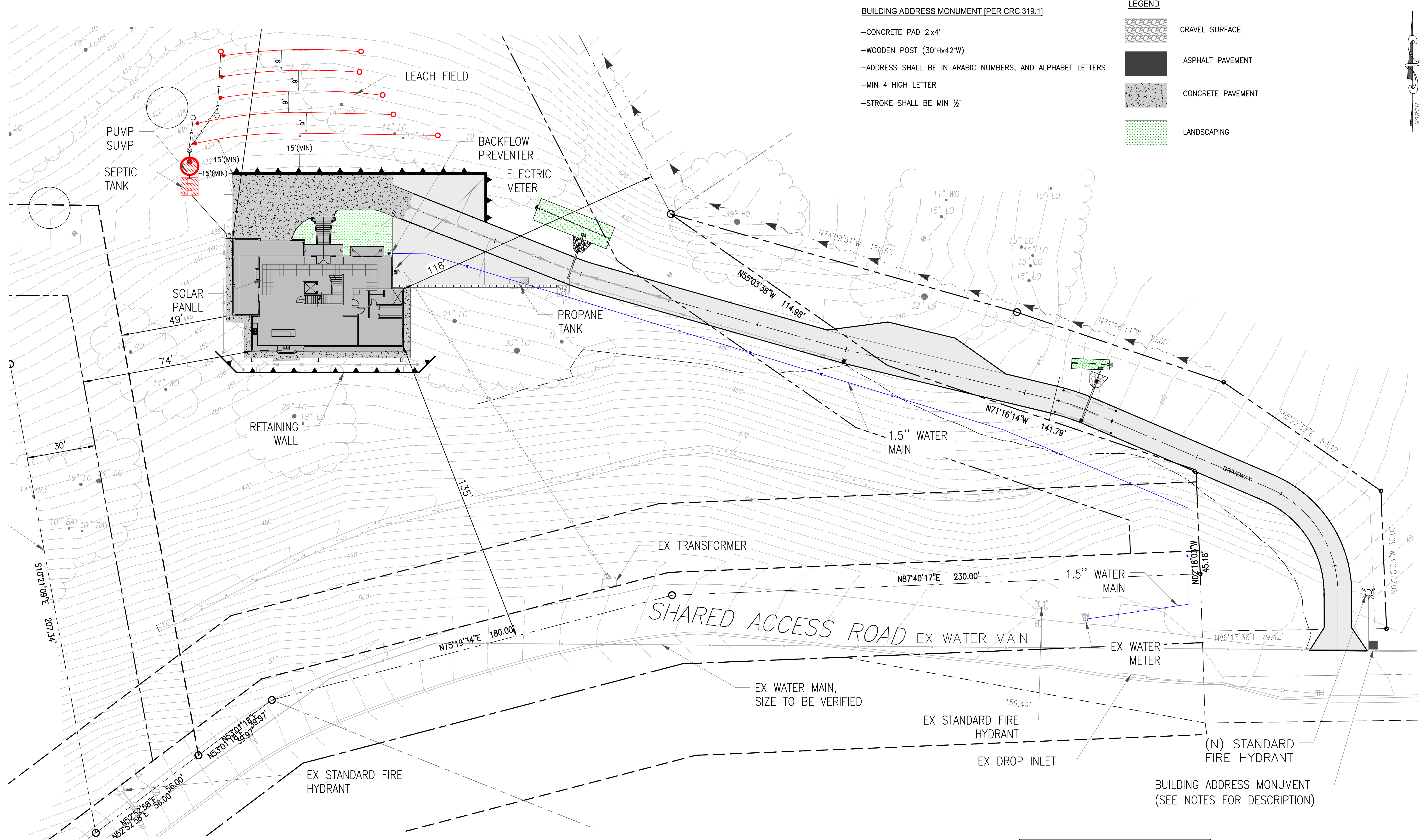
DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	
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SHEET NUMBER
C-2.0
7 OF 18 SHEETS



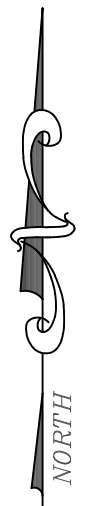




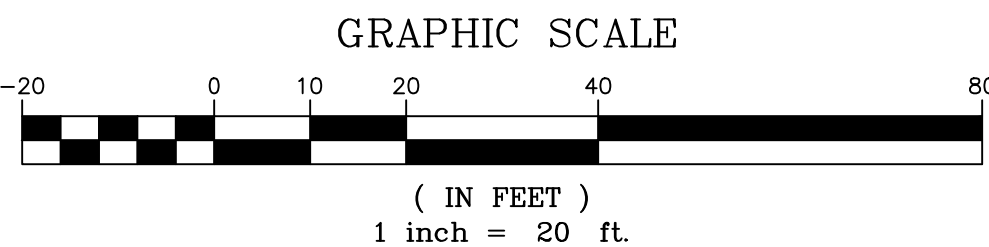
BUILDING ADDRESS MONUMENT (PER CRC 319.1)
-CONCRETE PAD 2'x4'
-WOODEN POST (30"Hx42"W)
-ADDRESS SHALL BE IN ARABIC NUMBERS, AND ALPHABET LETTERS
-MIN 4" HIGH LETTER
-STROKE SHALL BE MIN 1/2"

LEGEND

- GRAVEL SURFACE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- LANDSCAPING



NEW FIRE HYDRANT INSTALLATION IS A DEFERRED SUBMITTAL. PERMIT REQUIRED UNLESS INSTALLED BY A PUC REGULATED WATER PURVEYOR (BELLA MADEIRA HOA OR MUTUAL WATER COMPANY)."

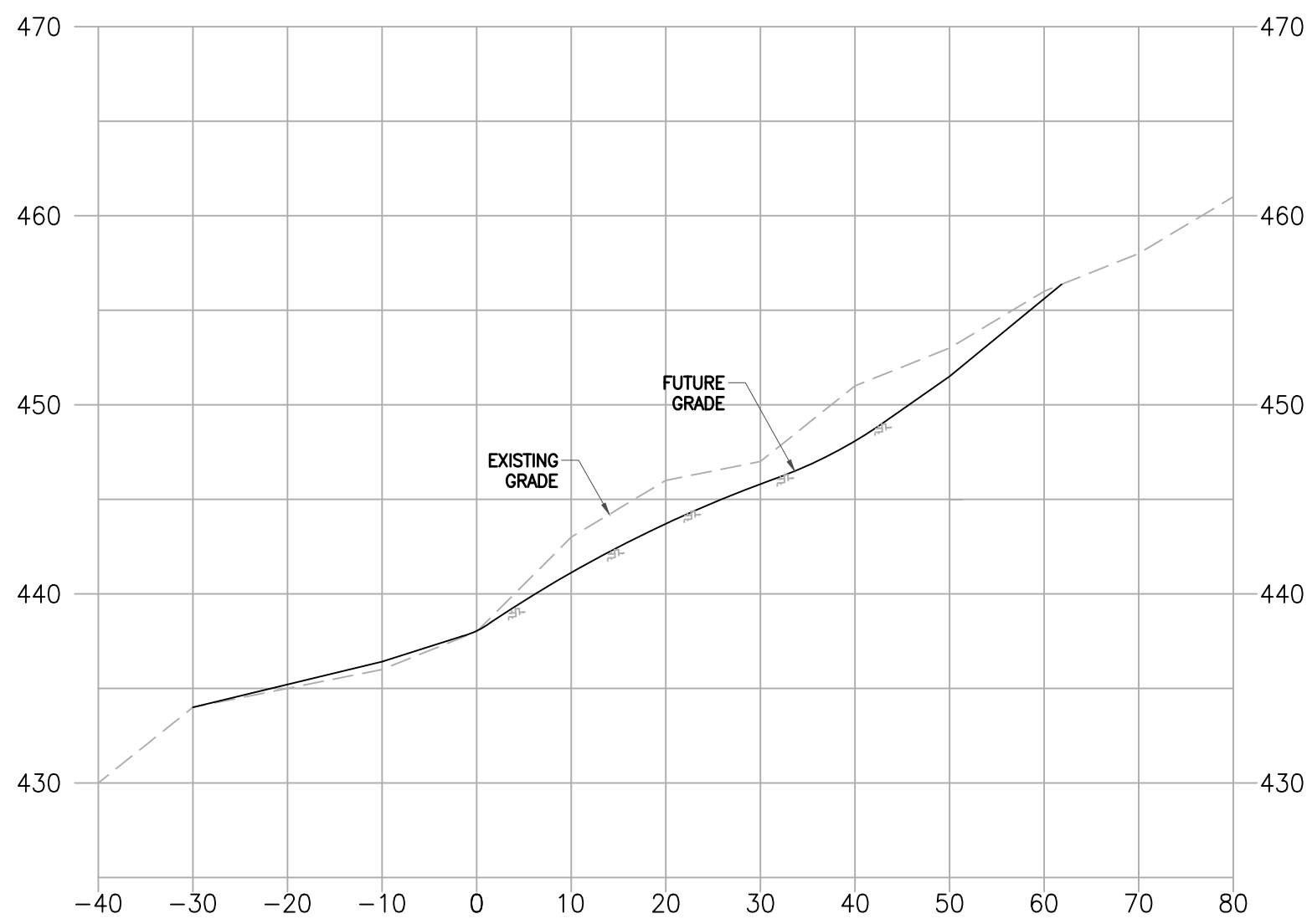


JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

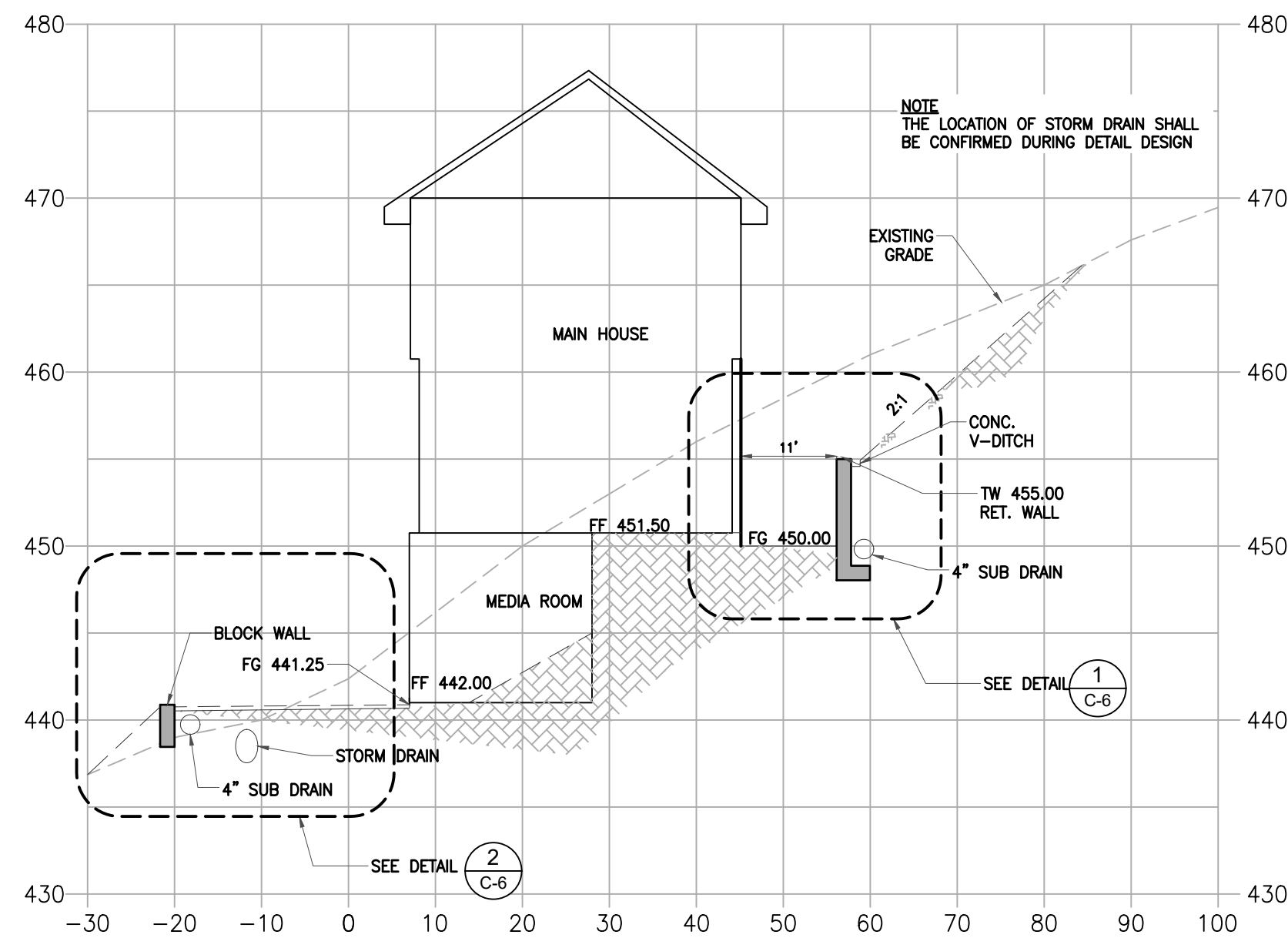
BUILDING LAYOUT &
UTILITIES LOCATION

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

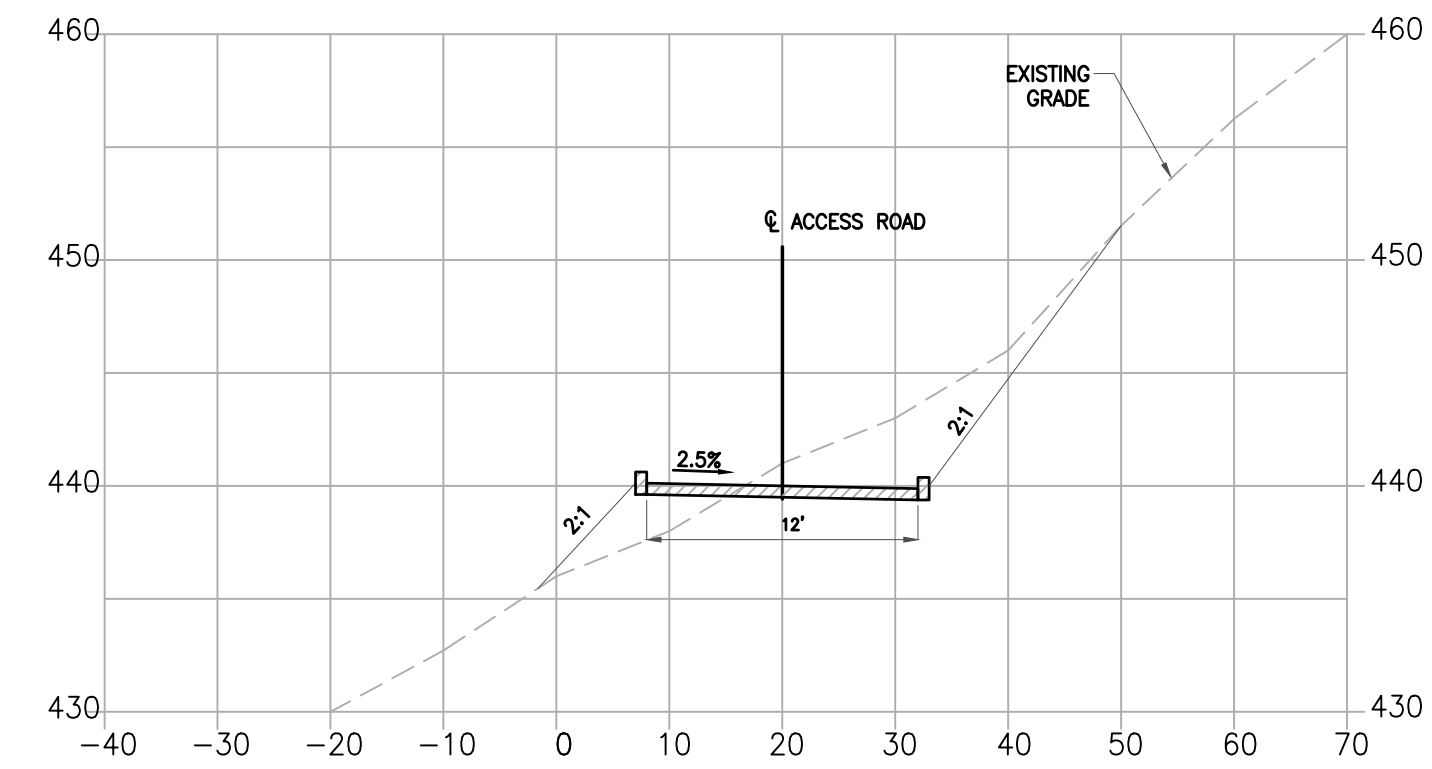
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NO.	
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	10 OF 18 SHEETS



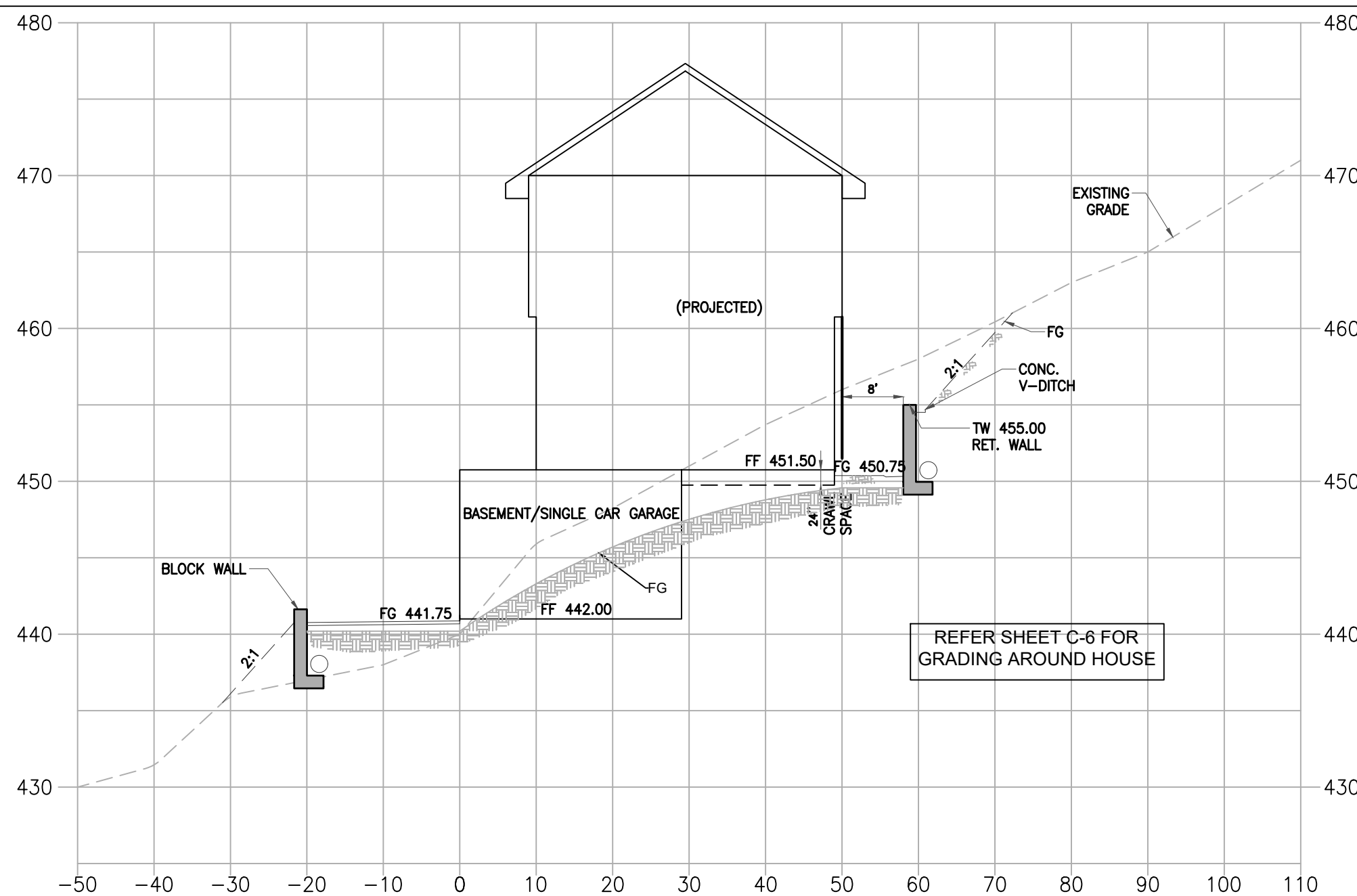
A HOUSE PAD SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



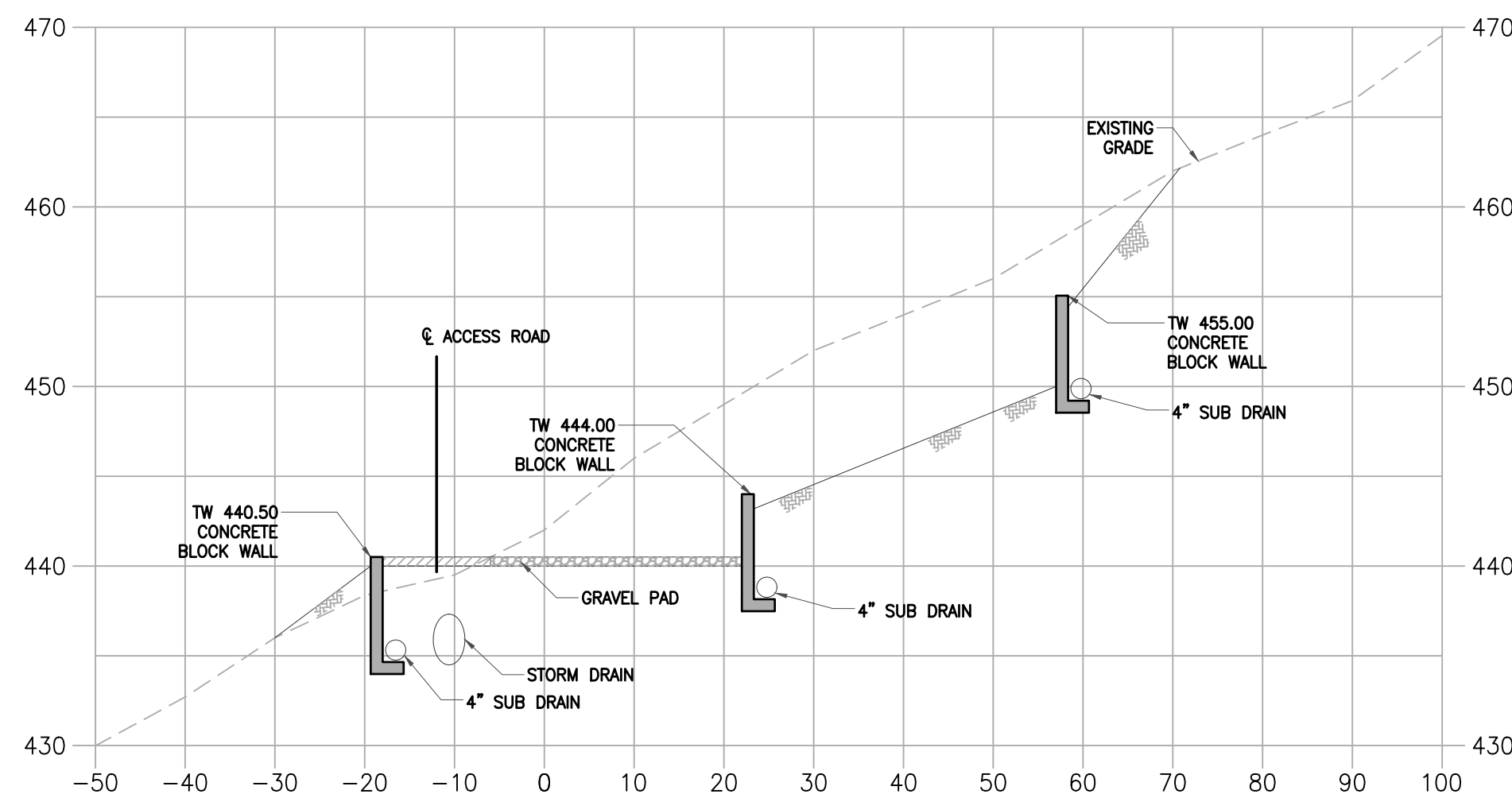
D HOUSE PAD SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



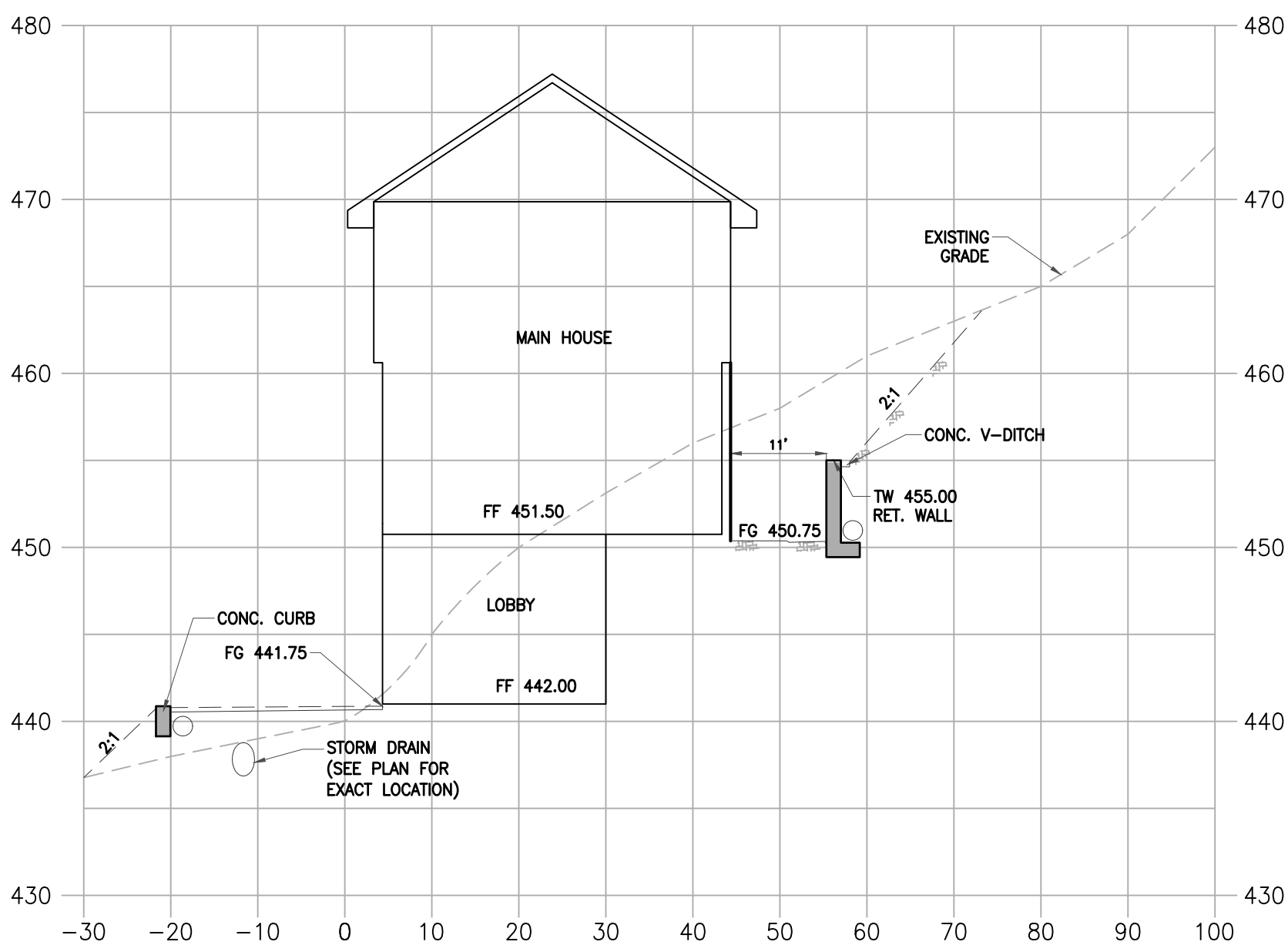
G ROAD CROSS SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



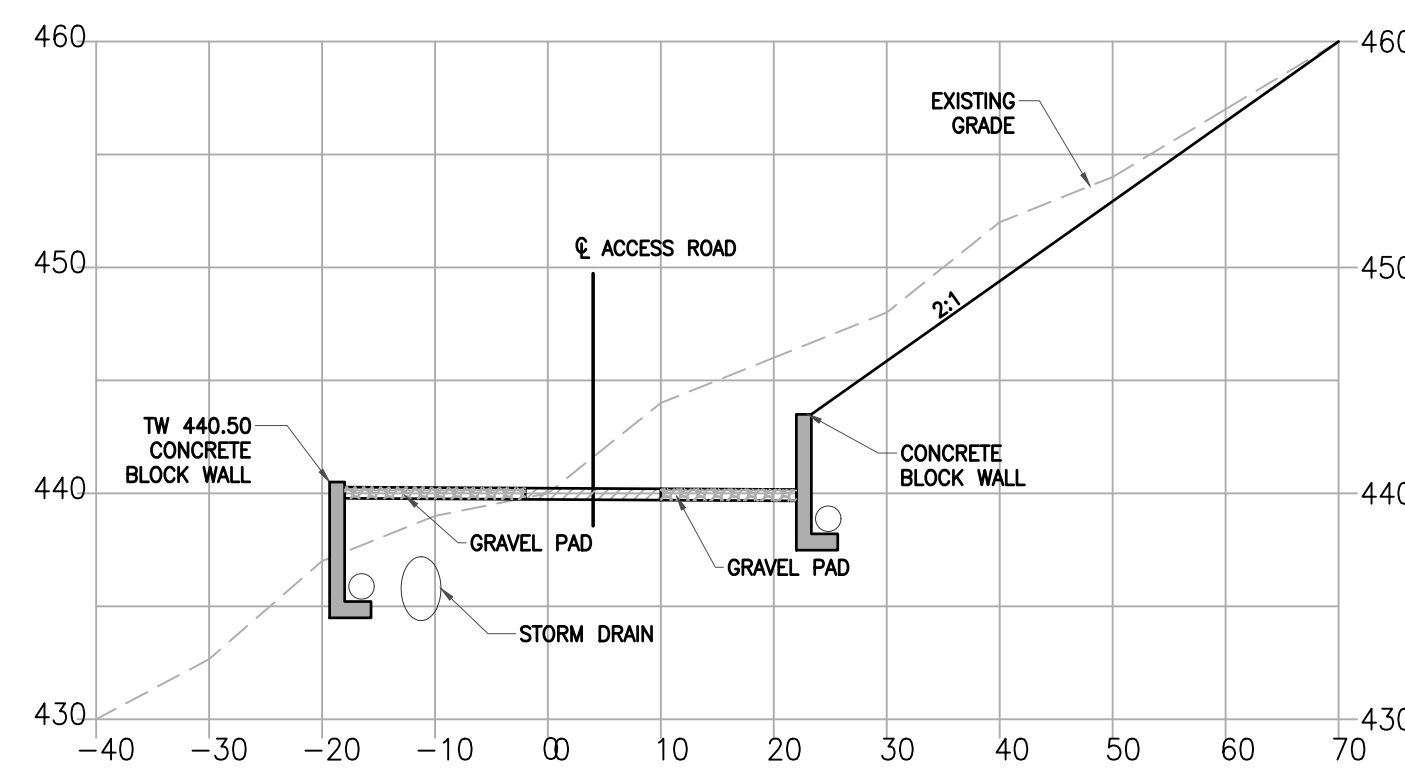
B HOUSE PAD SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



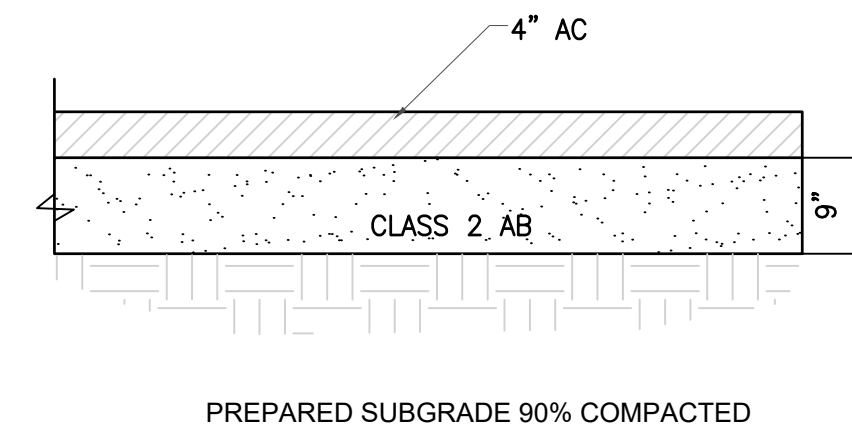
E HOUSE PAD SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



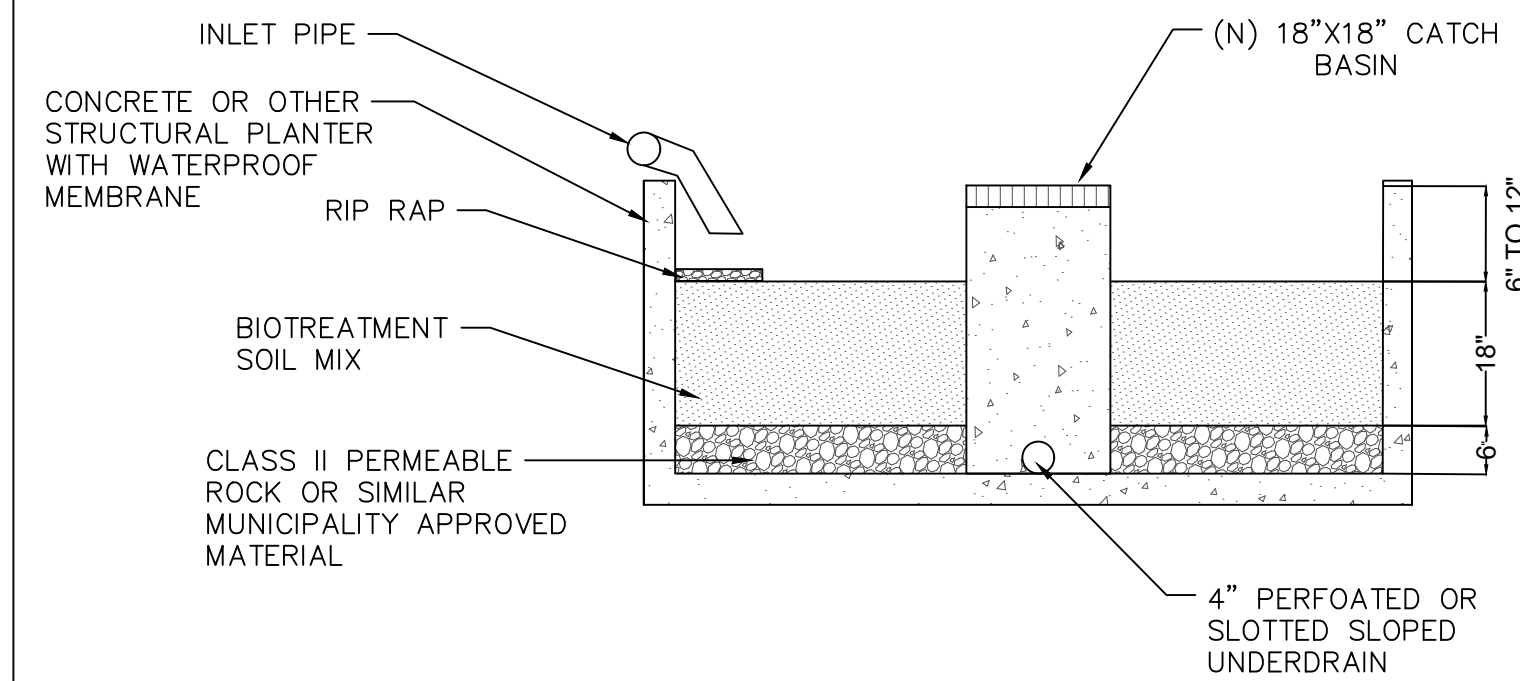
C HOUSE PAD SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



F ROAD CROSS SECTION
C-2 SCALE: (H) 1"=10'; (V) 1"=5'



ROAD CROSS SECTION (TYP)
N.T.S



PLANTER BOX DETAIL (TYP)
(N.T.S)



JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

HOUSE PAD SECTION

DATE: 5/23/2025

DESIGNED BY: T. PENG

DRAWN BY: N.SINGH

CHECKED BY: M. SAINI

APPROVED BY: M. SAINI

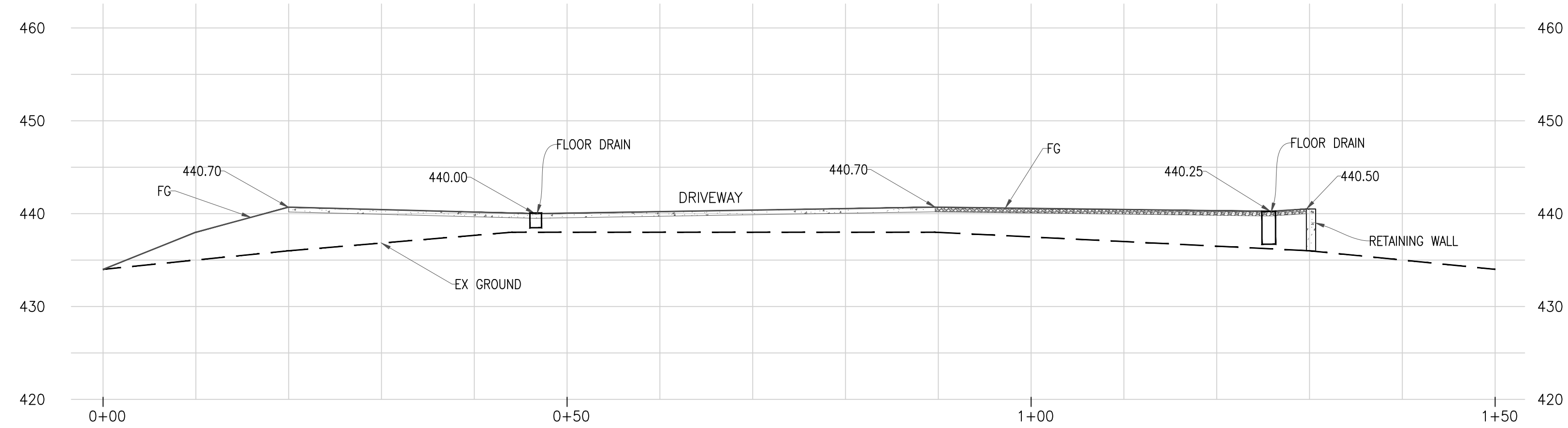
REVISIONS

NO.

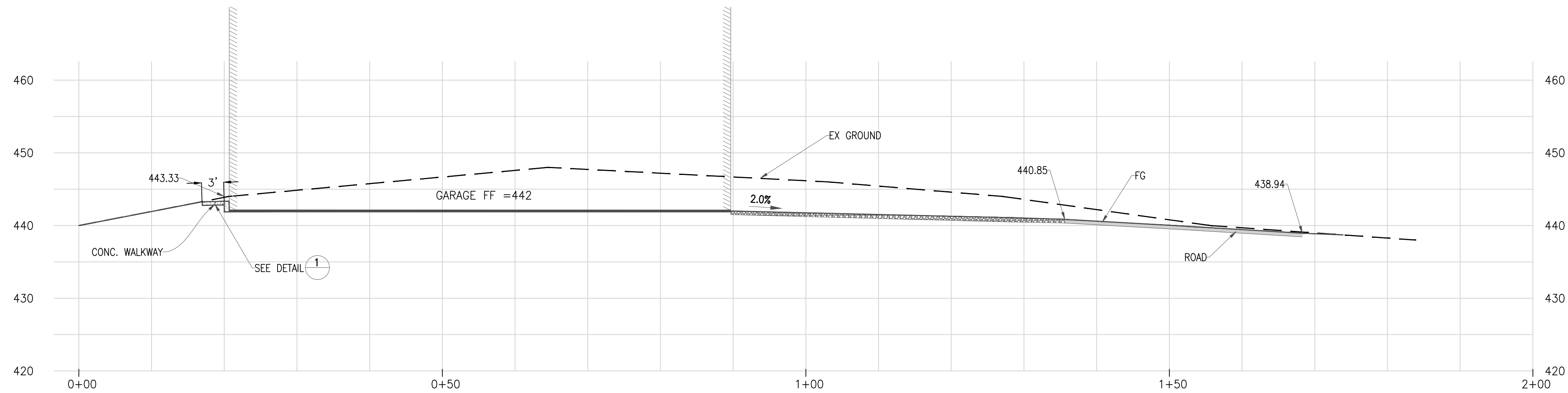
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C-5

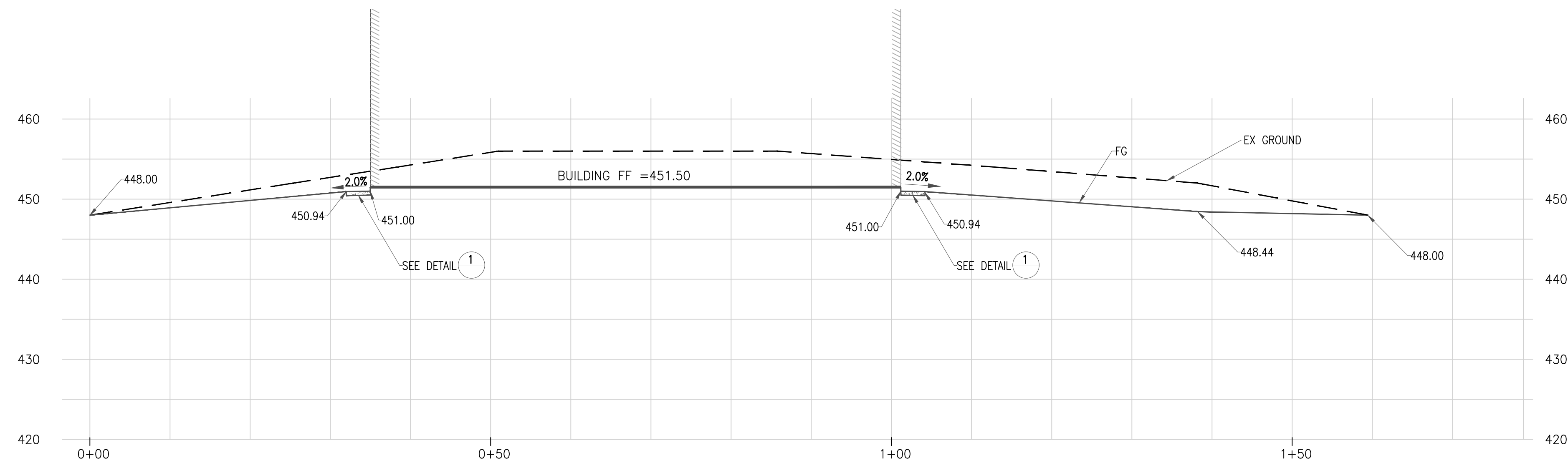
11 OF 18 SHEETS



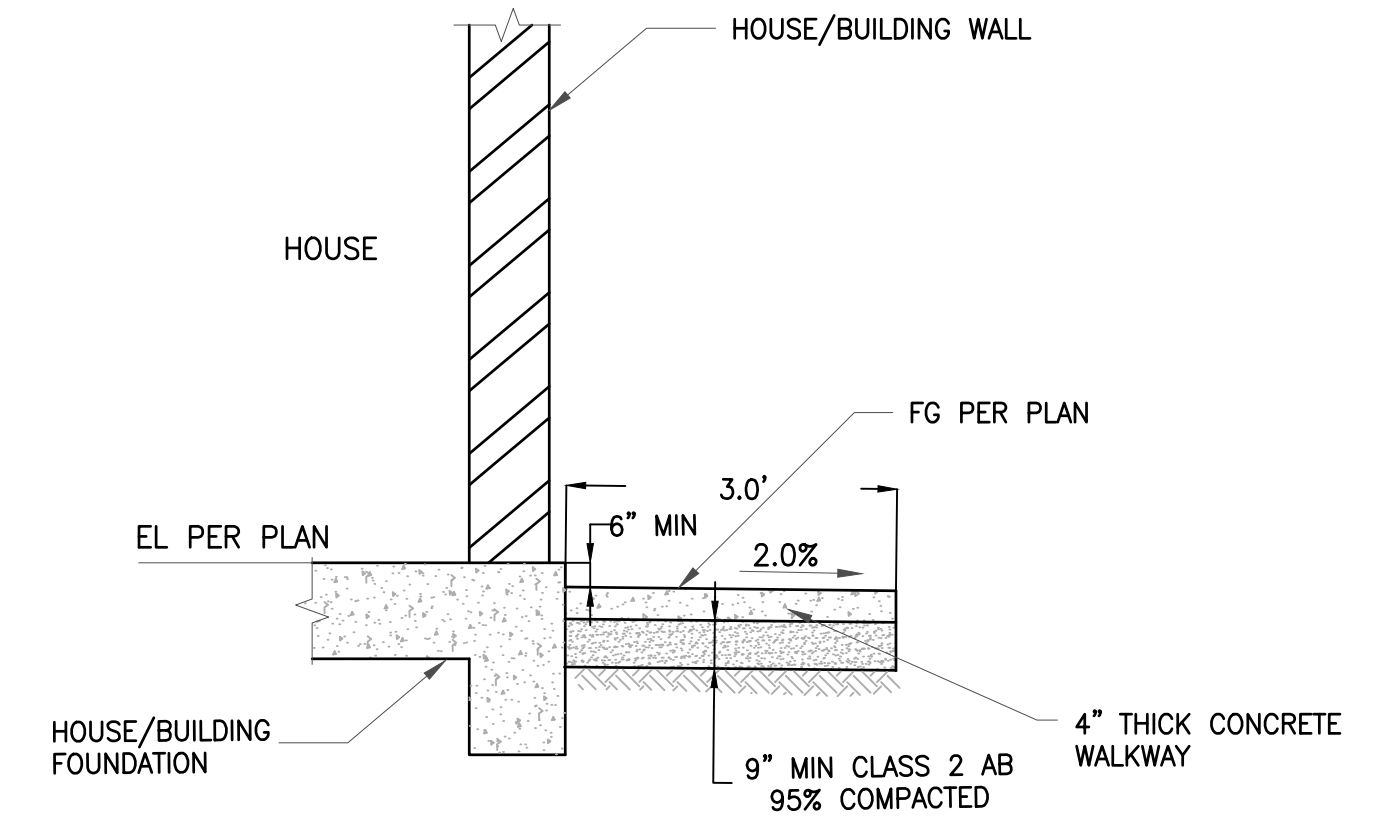
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C-2



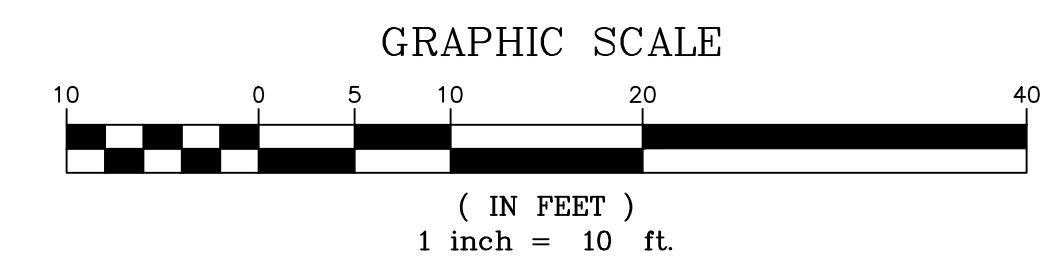
I SECTION
C-2



J SECTION
C-2



1 TYPICAL CONC. PAD DETAIL FOR DRAIN AWAY FROM FOUNDATION.
SCALE: NTS



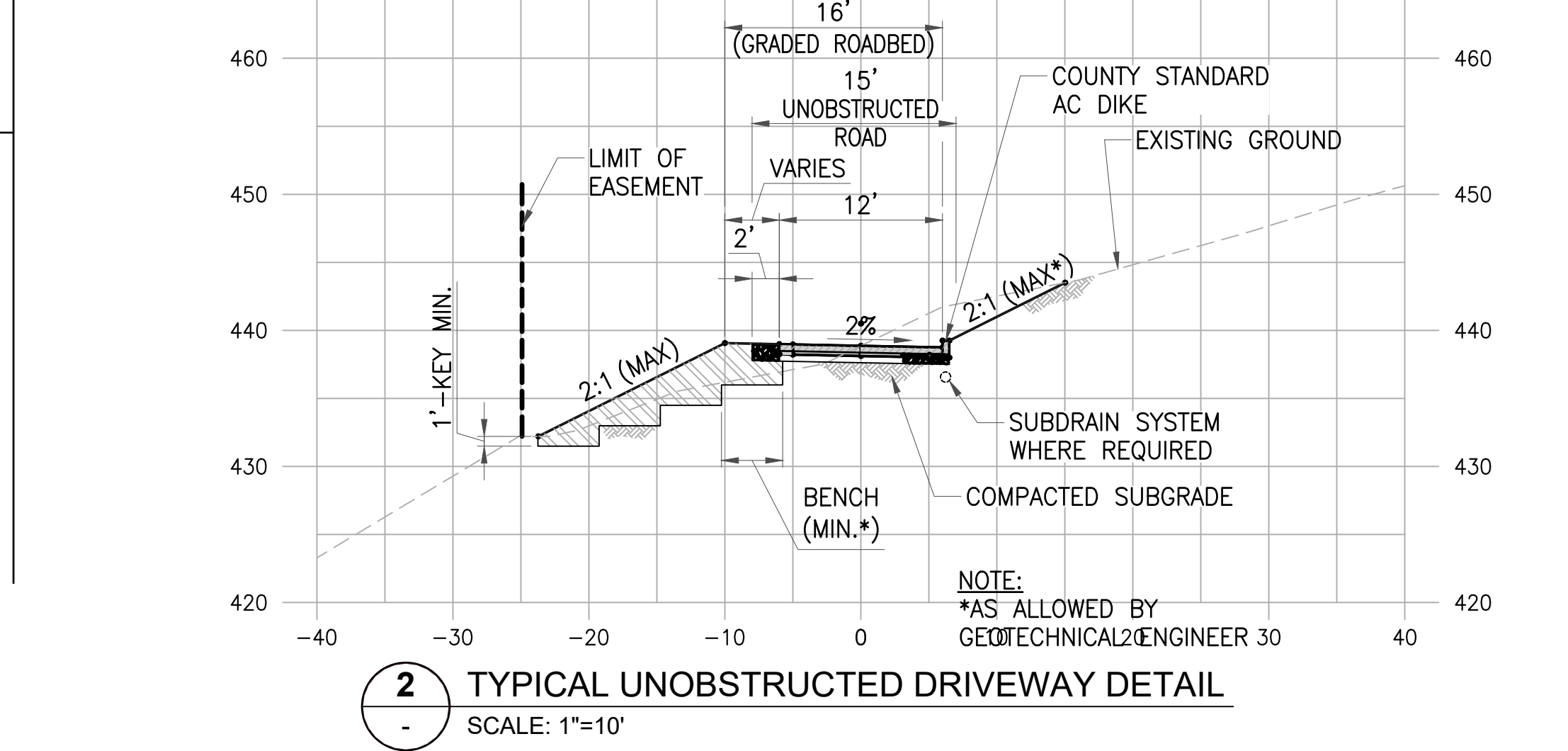
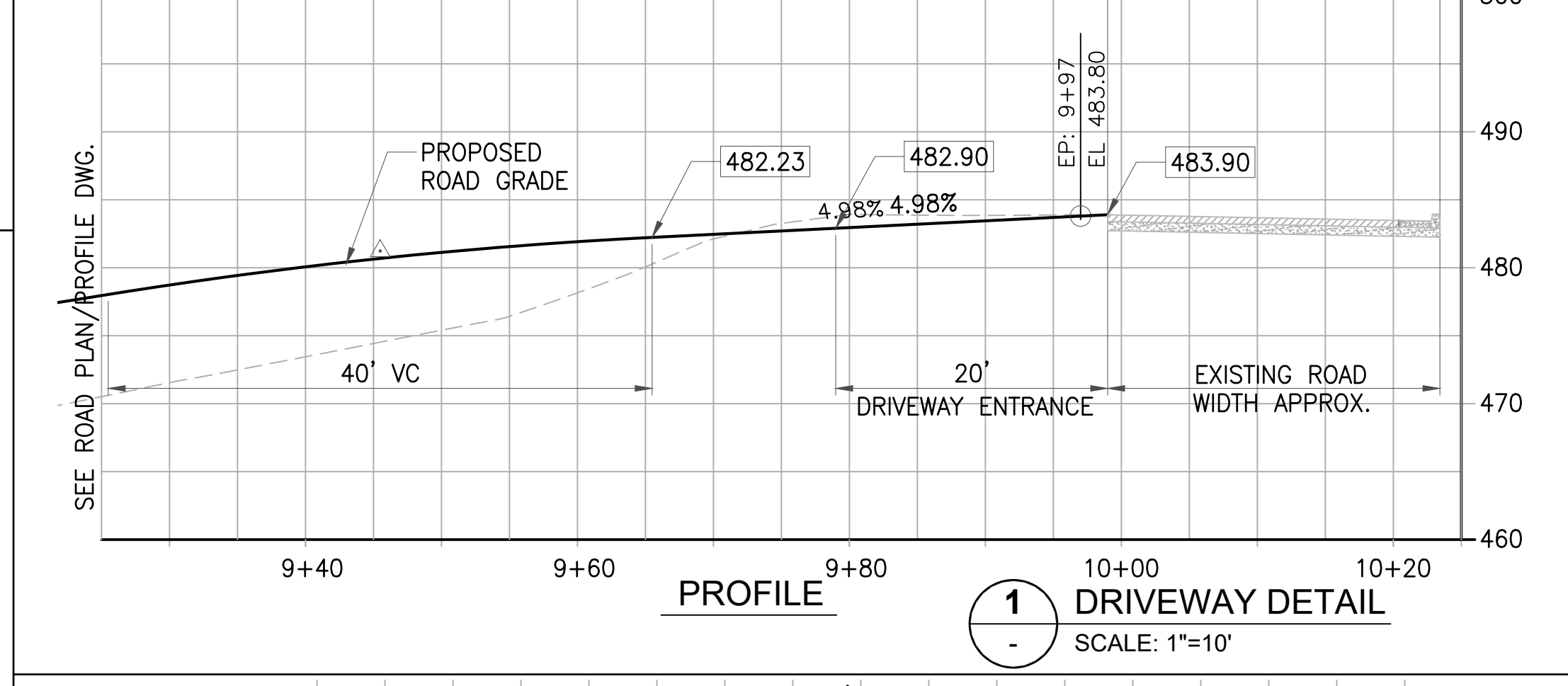
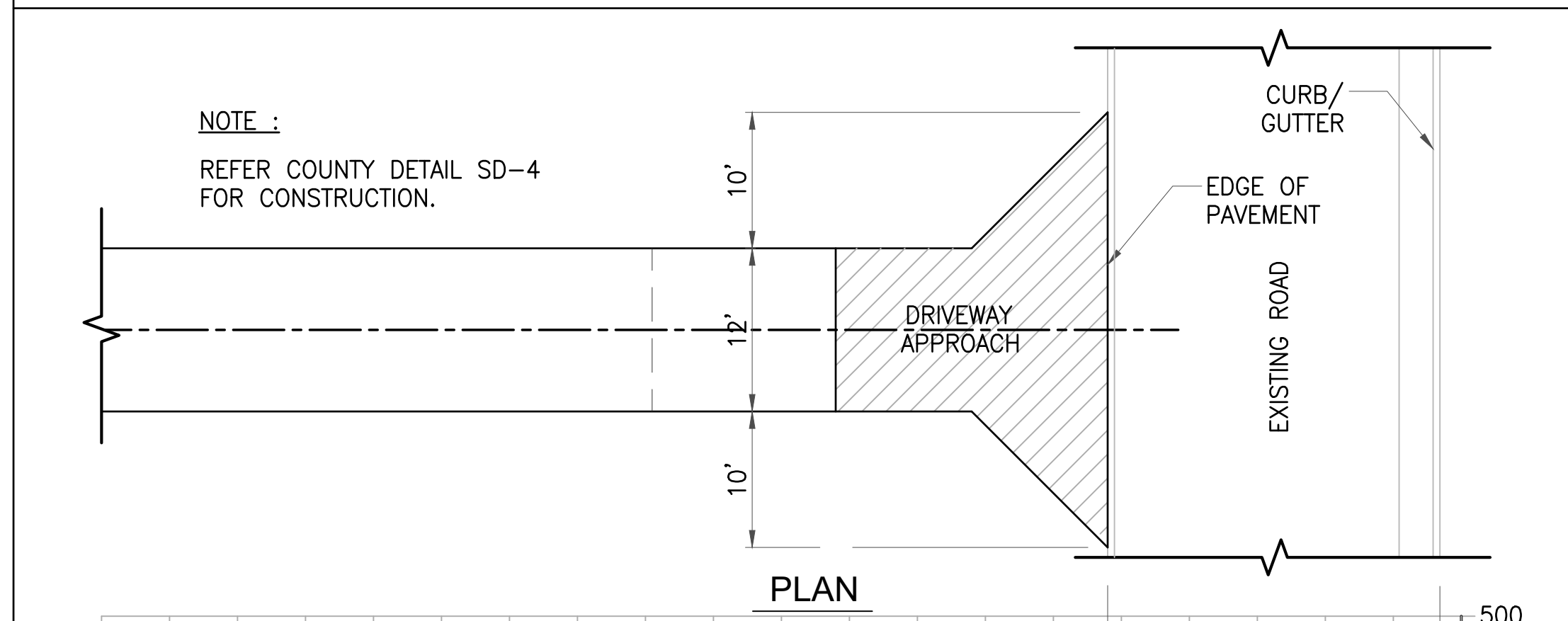
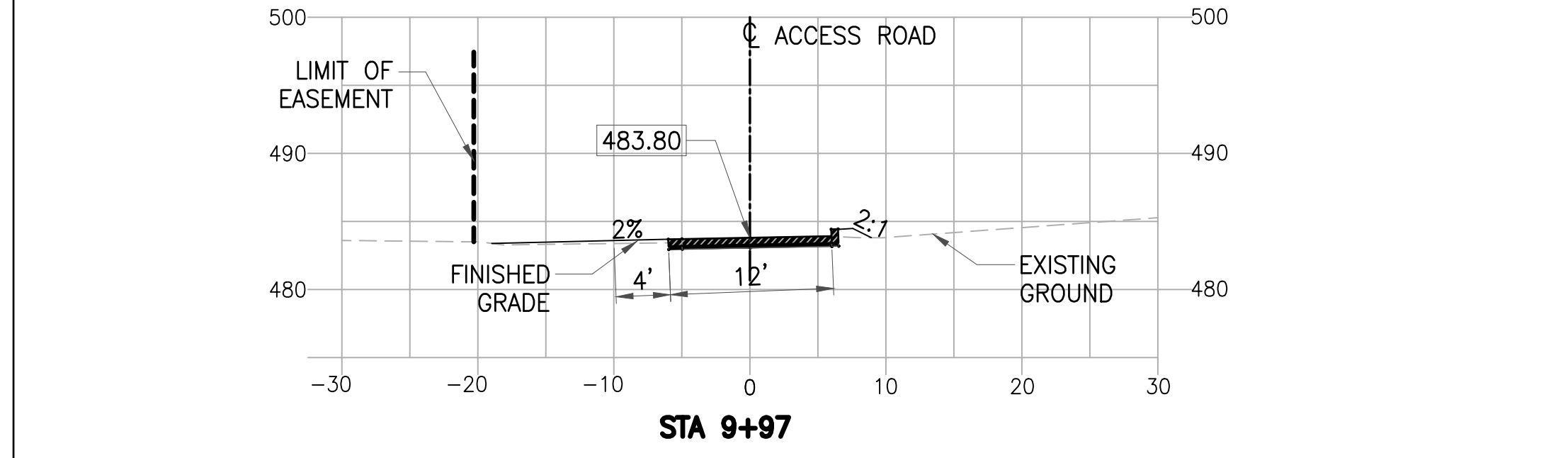
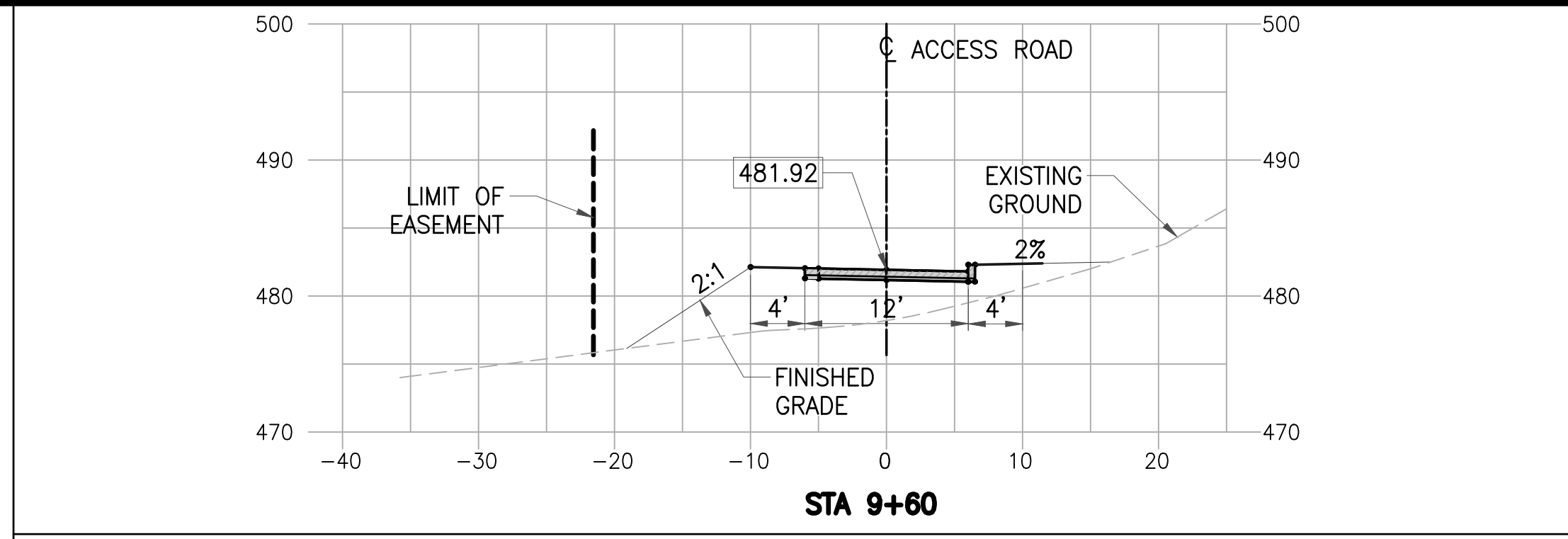
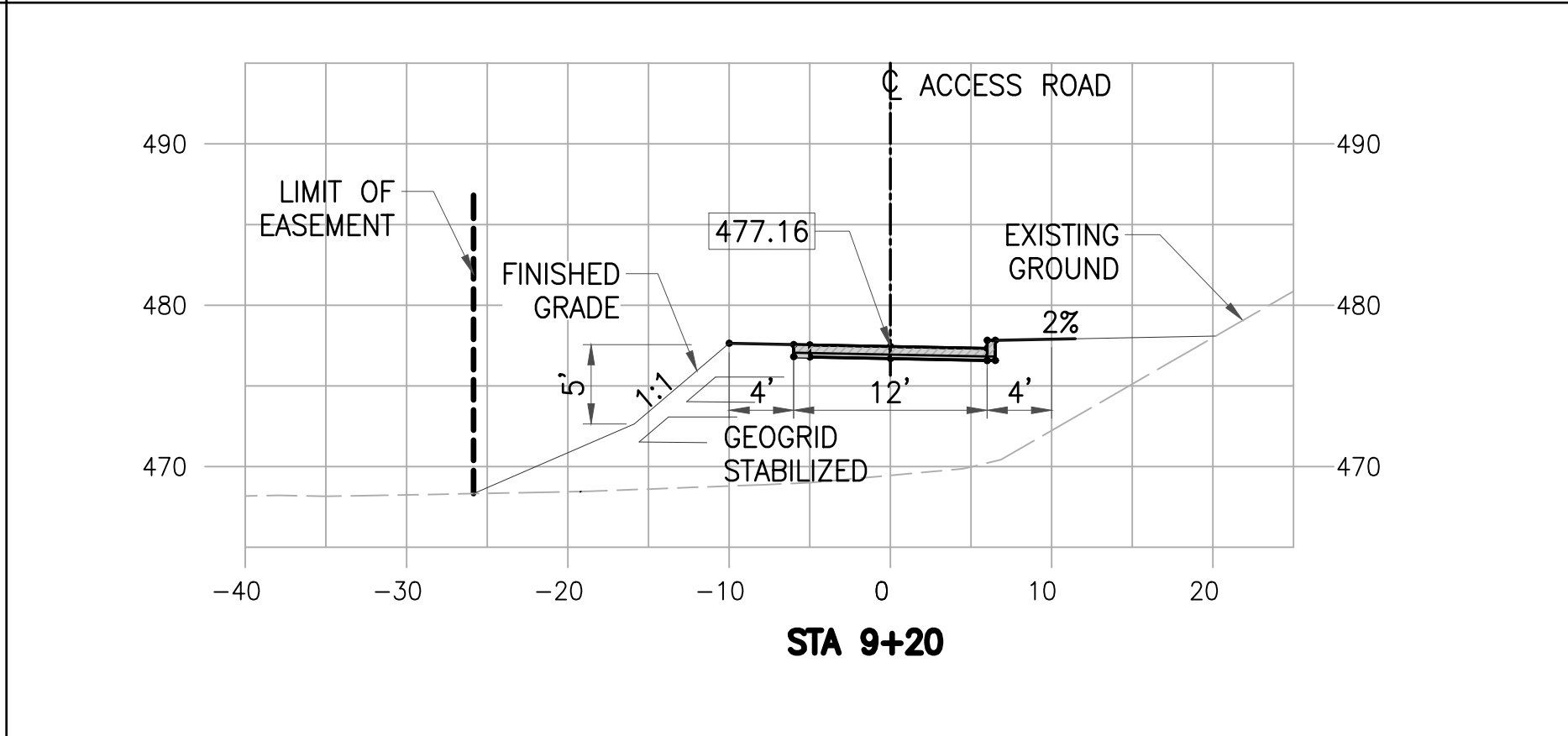
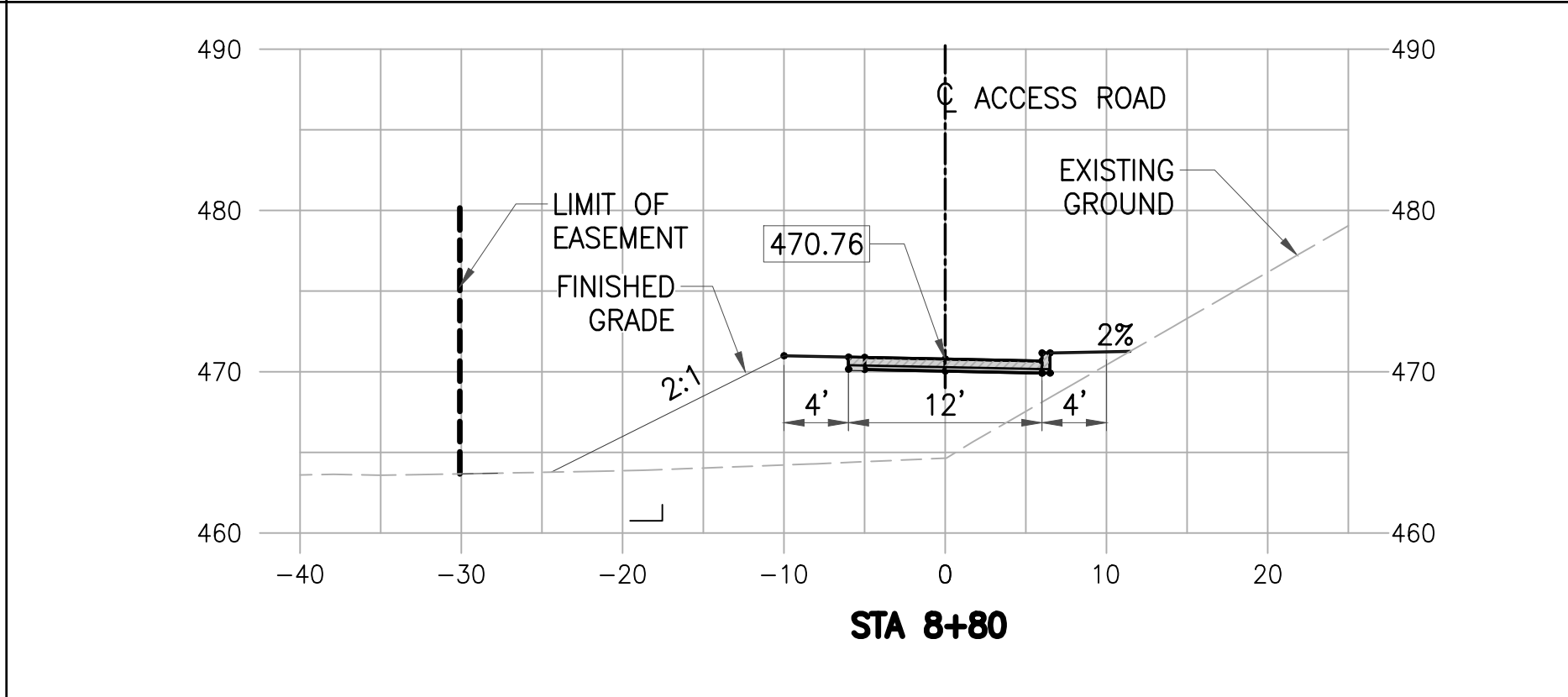
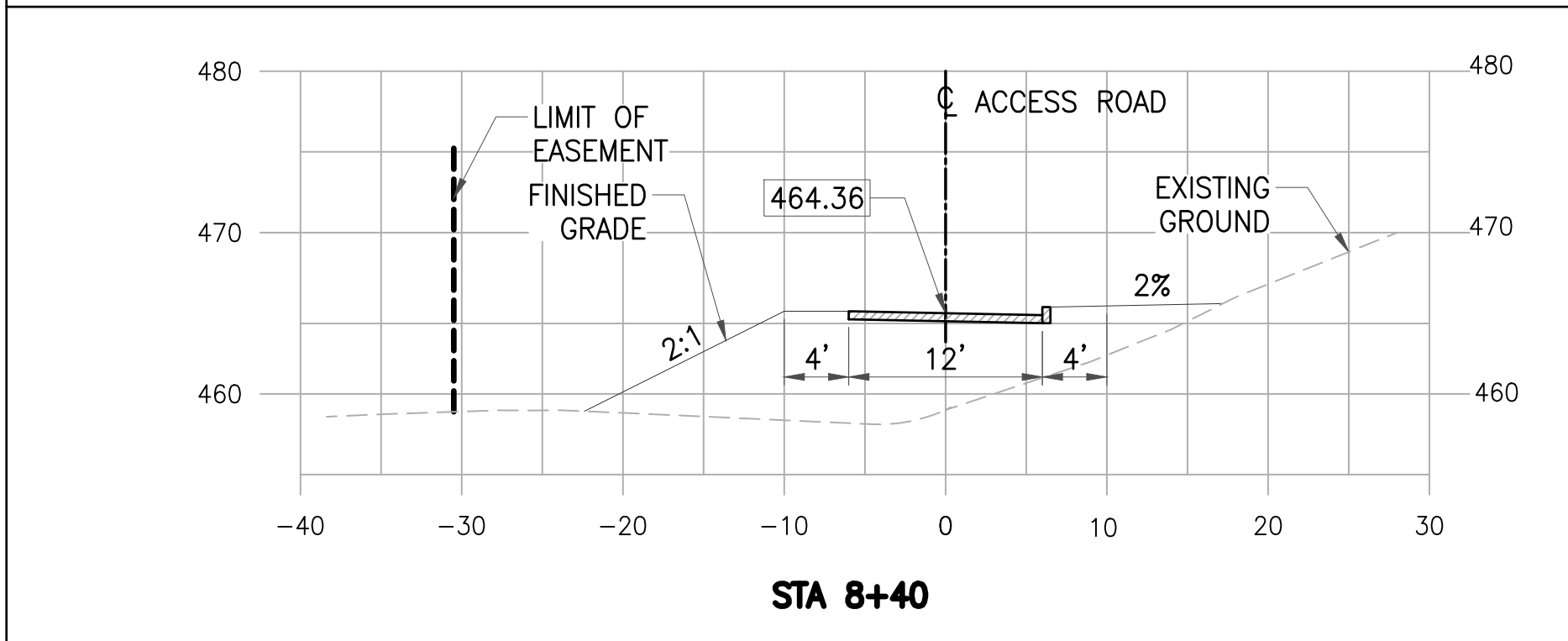
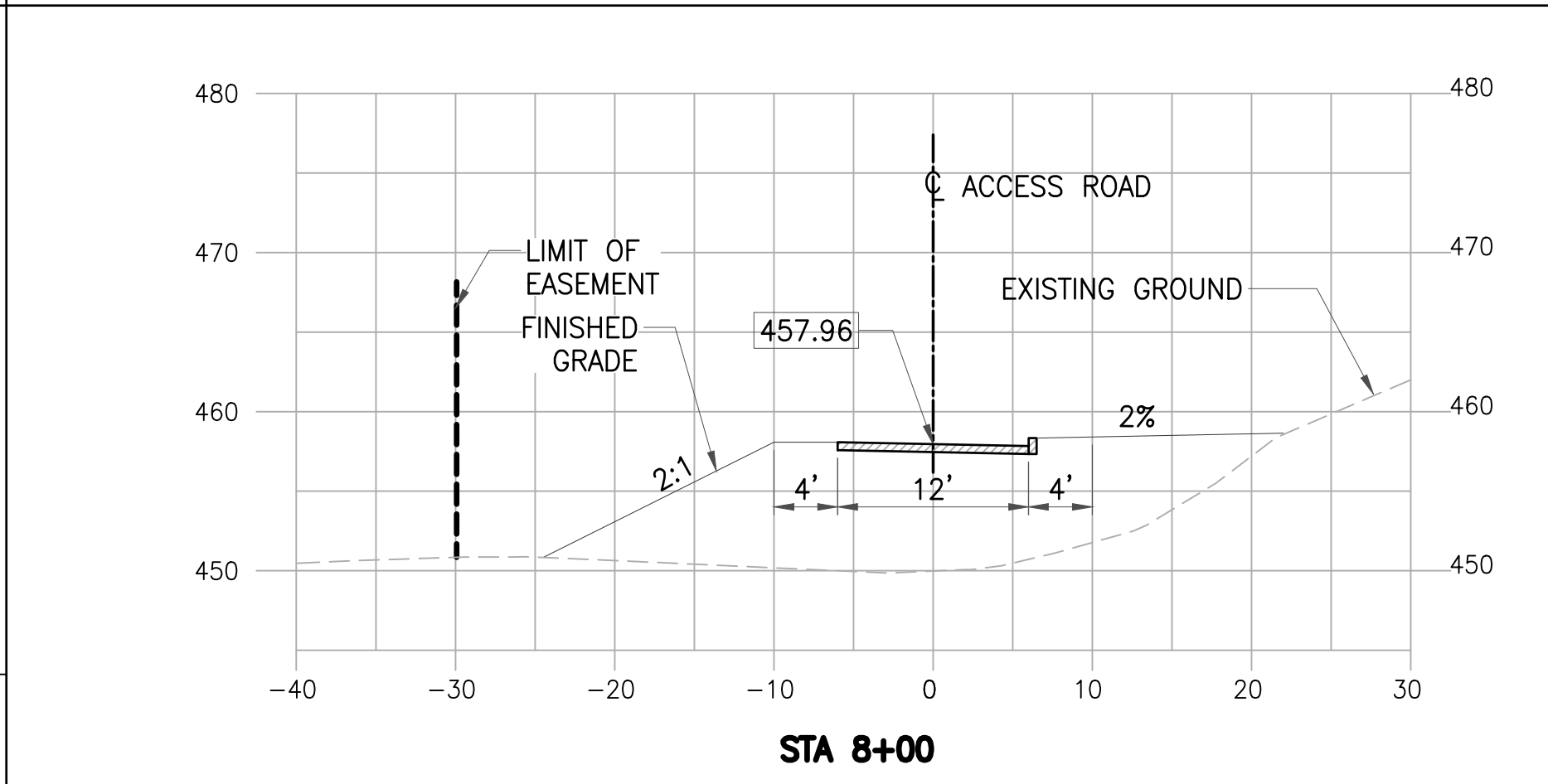
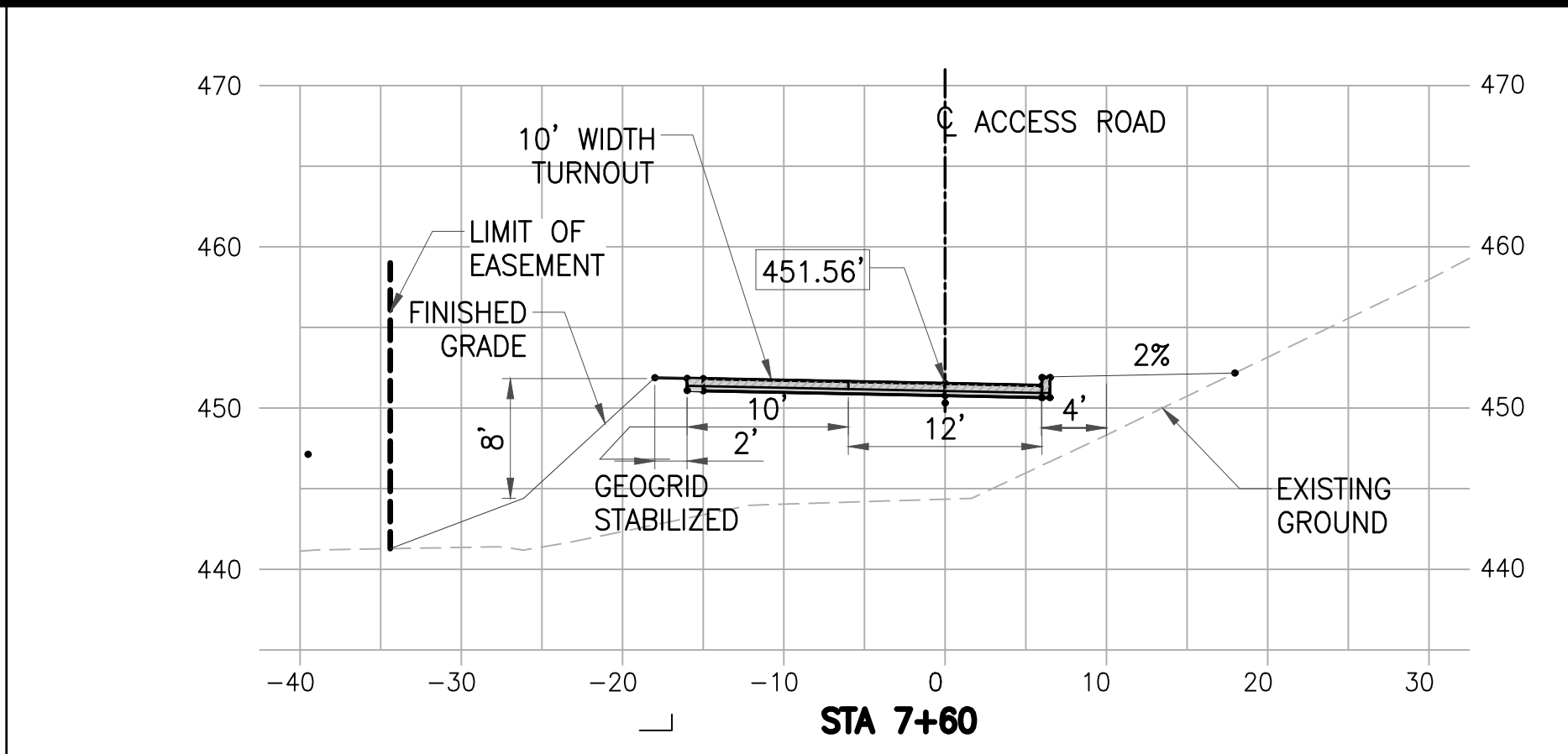
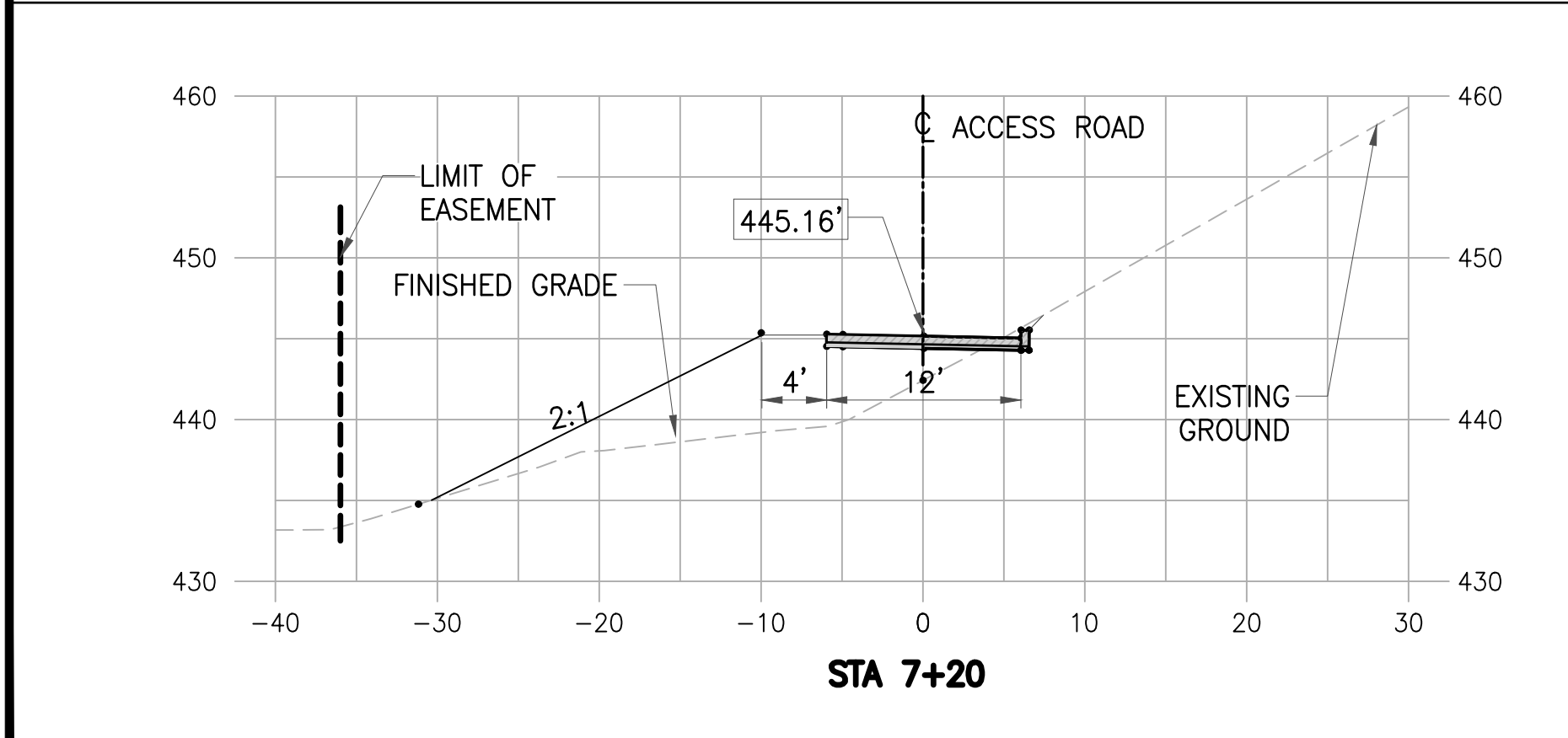
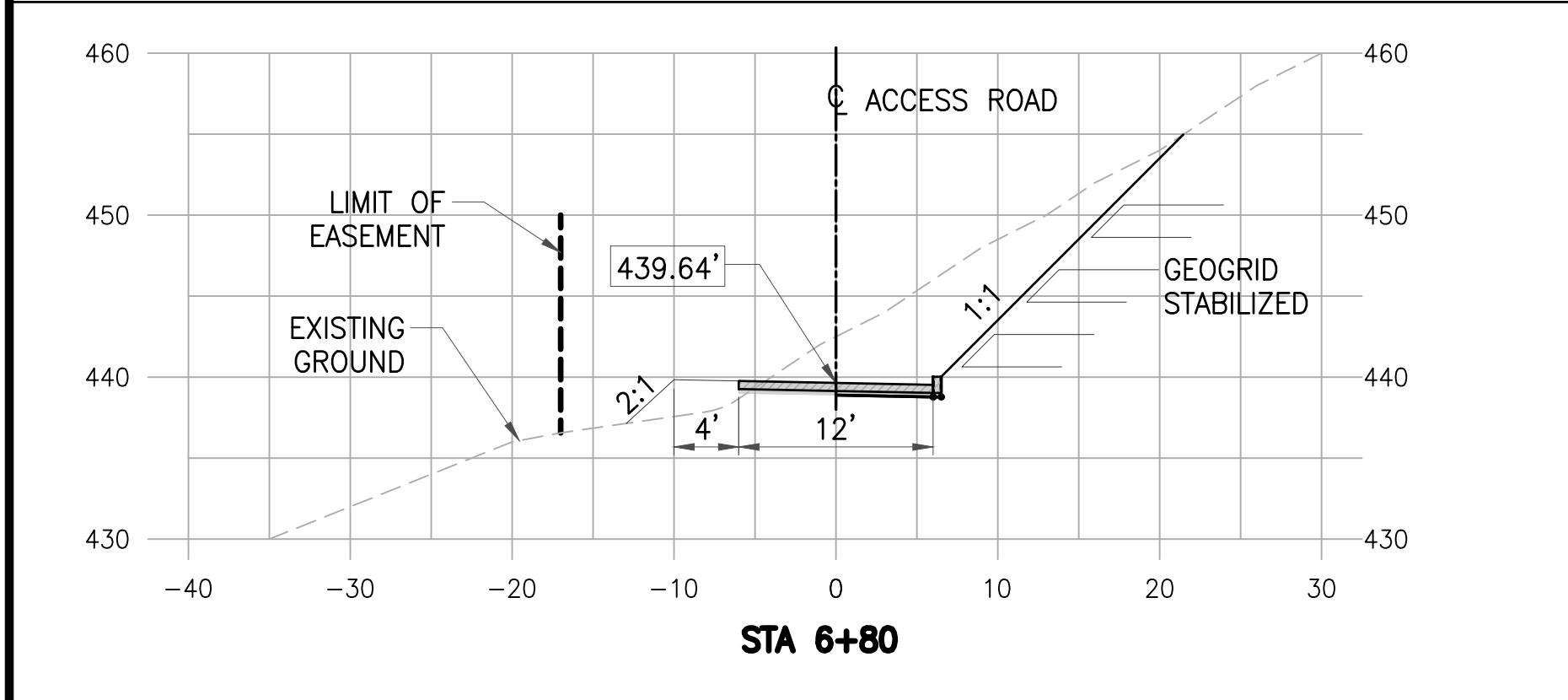
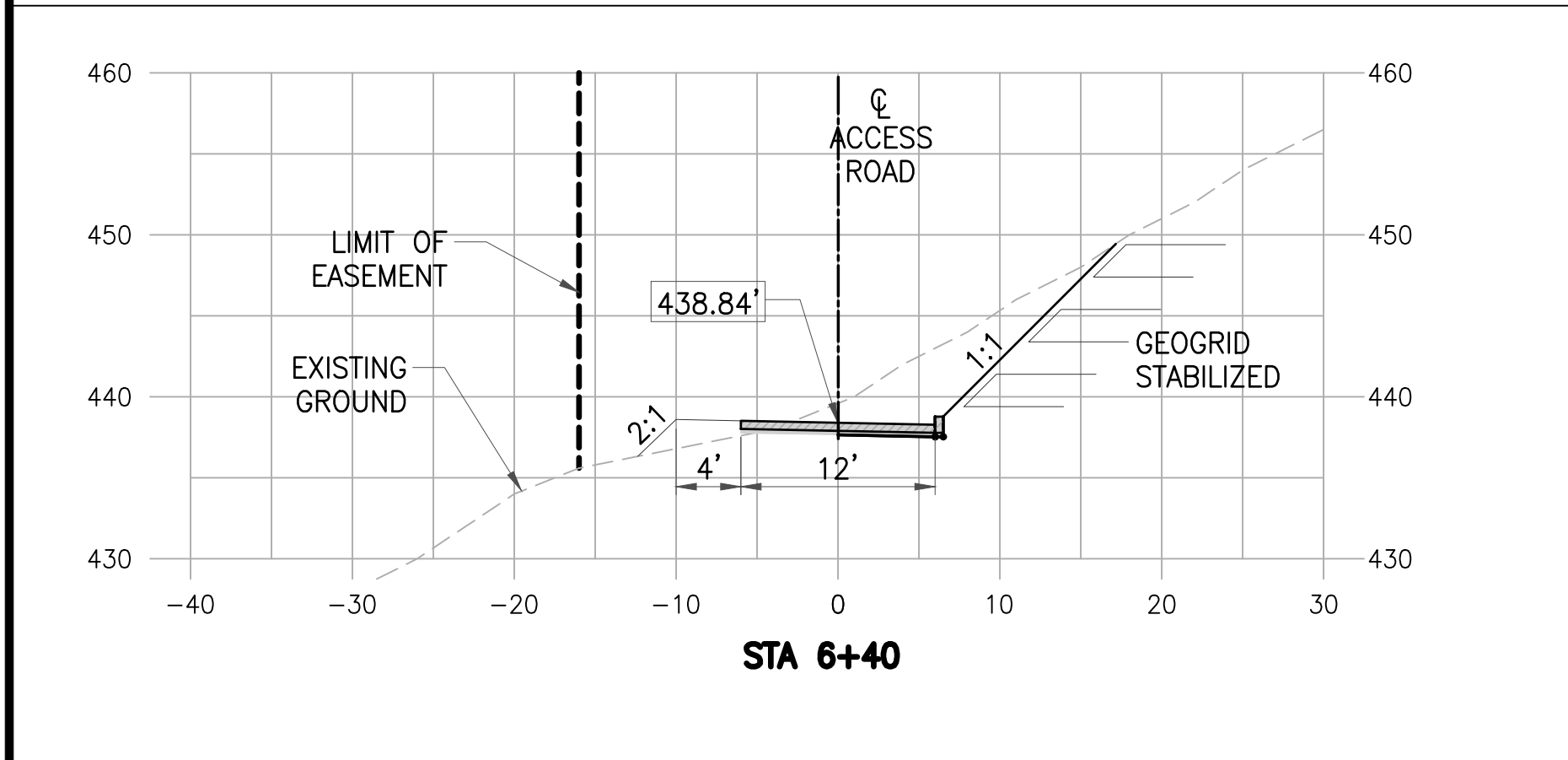
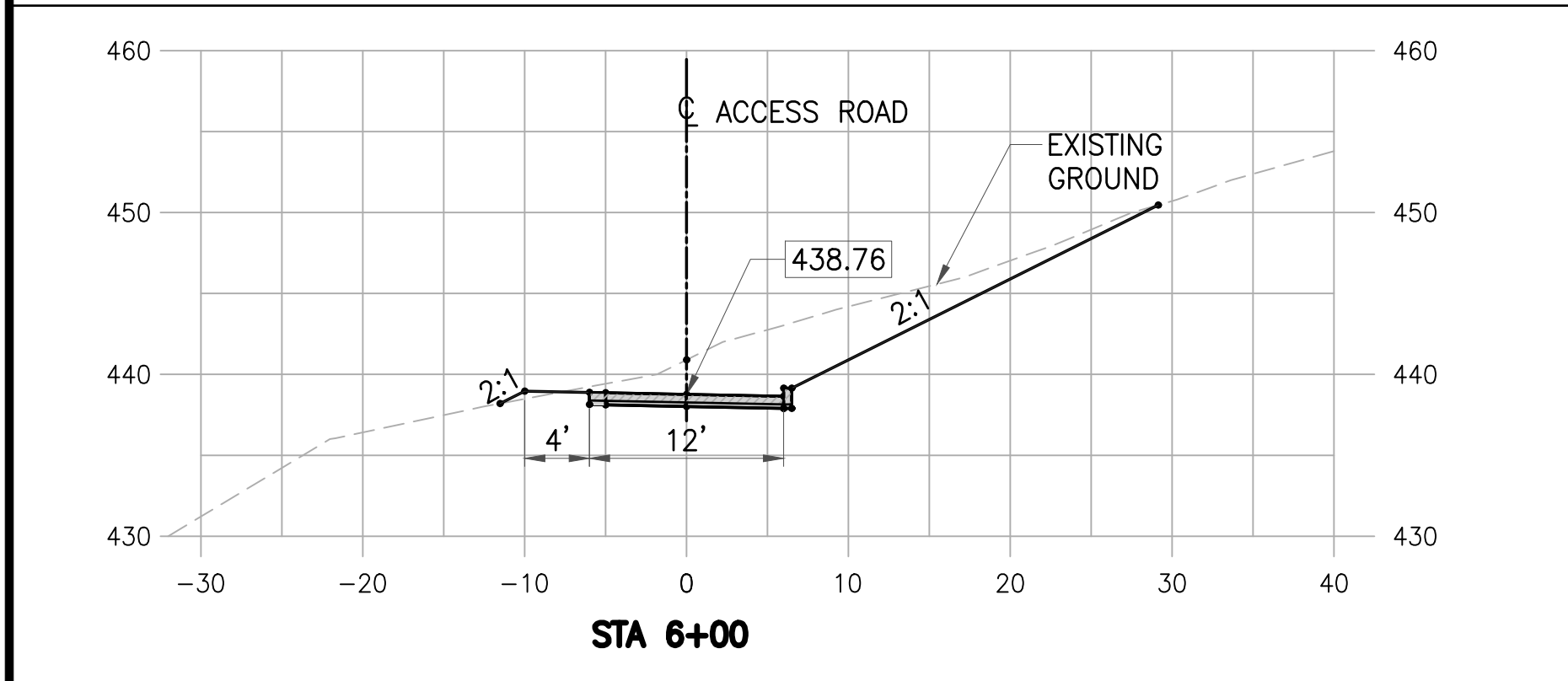
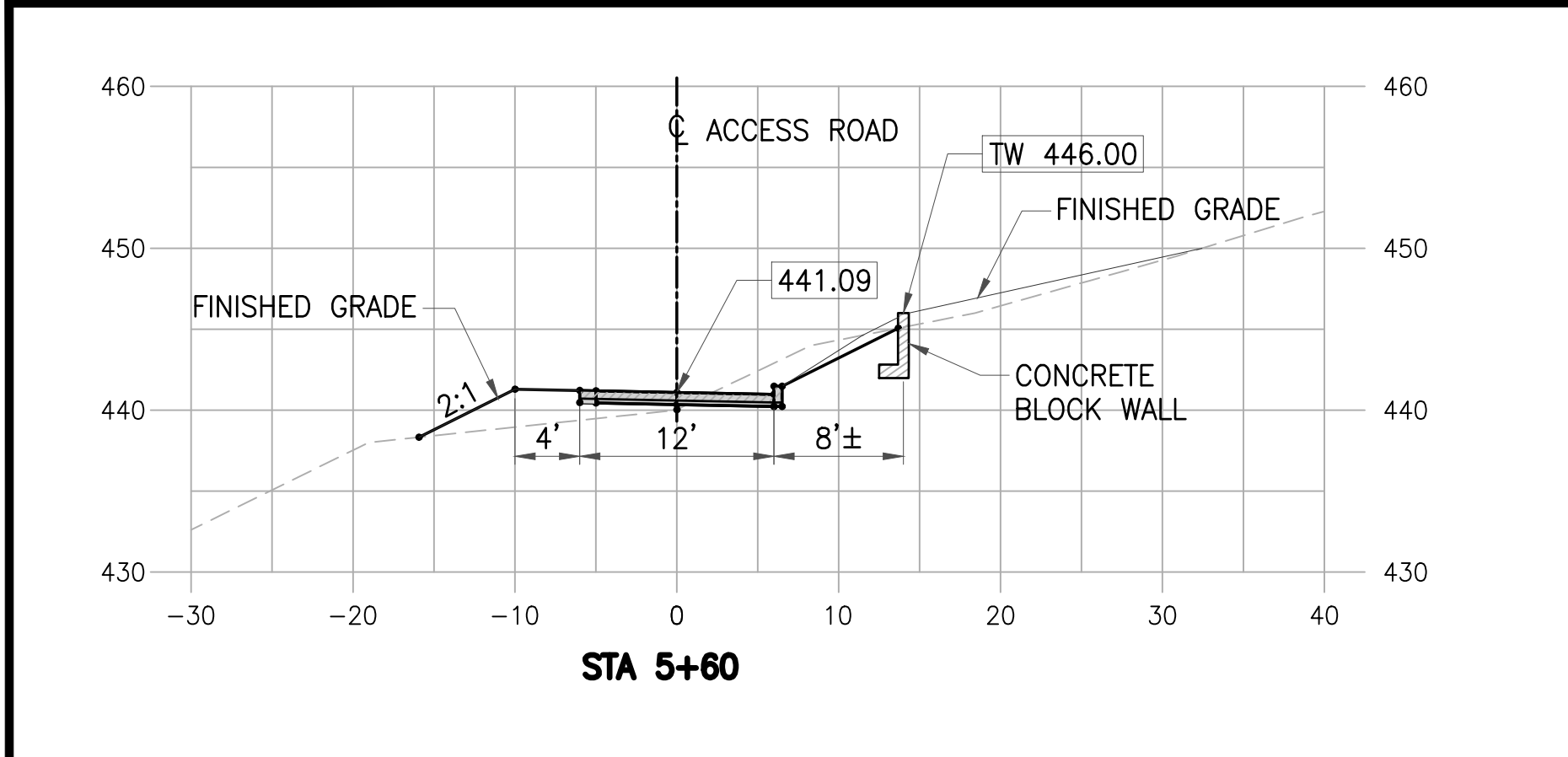
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

SECTIONS

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

NO.	REVISIONS

SHEET NUMBER
C-6
12 OF 18 SHEETS



JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

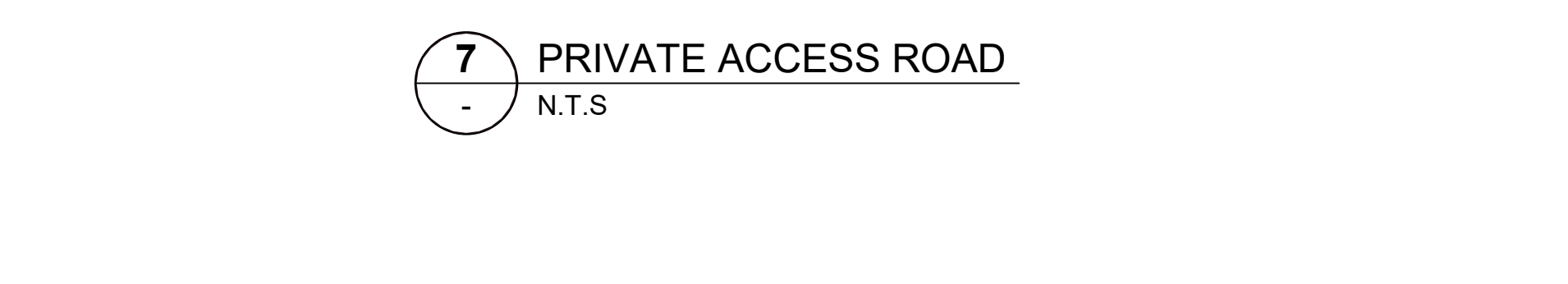
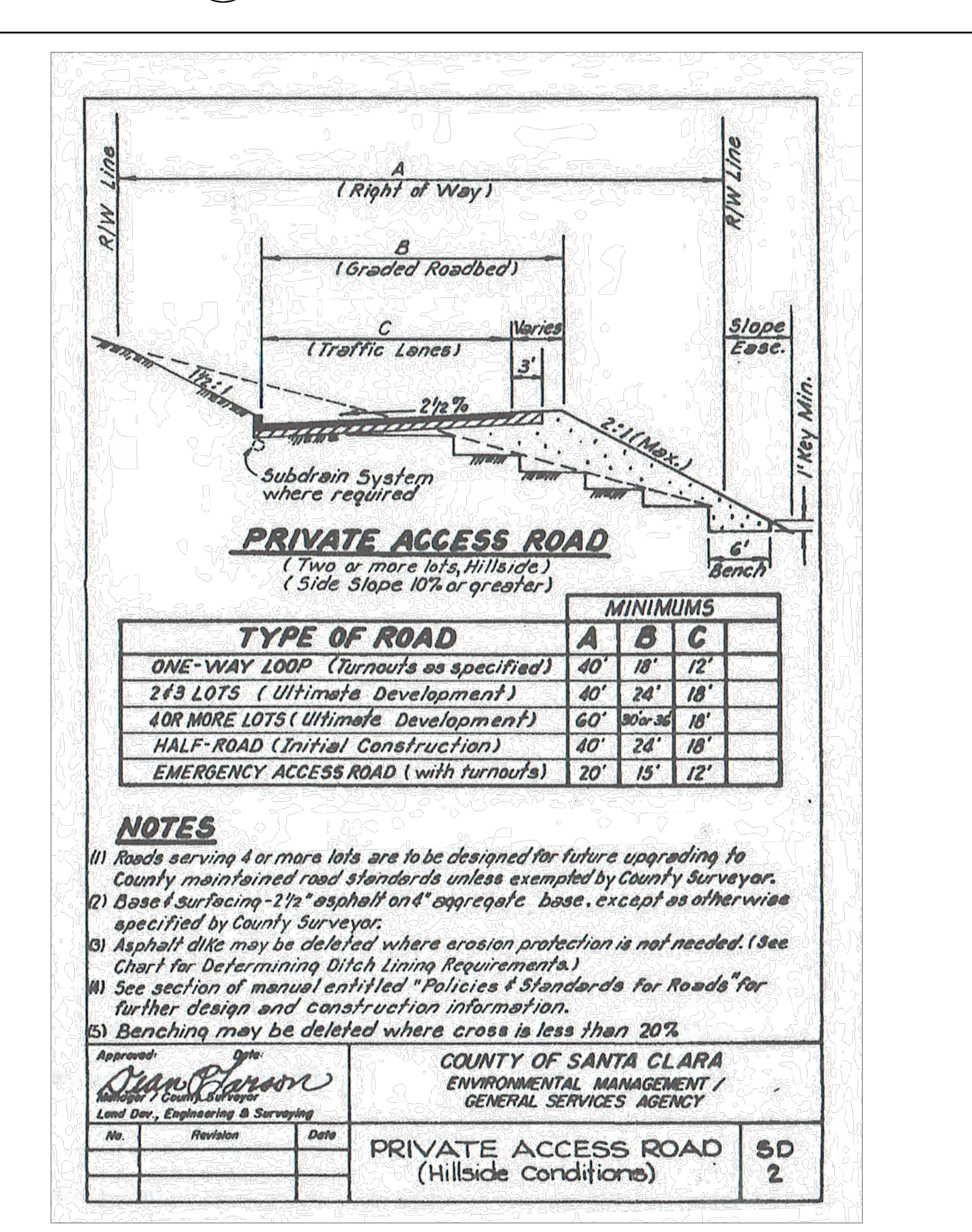
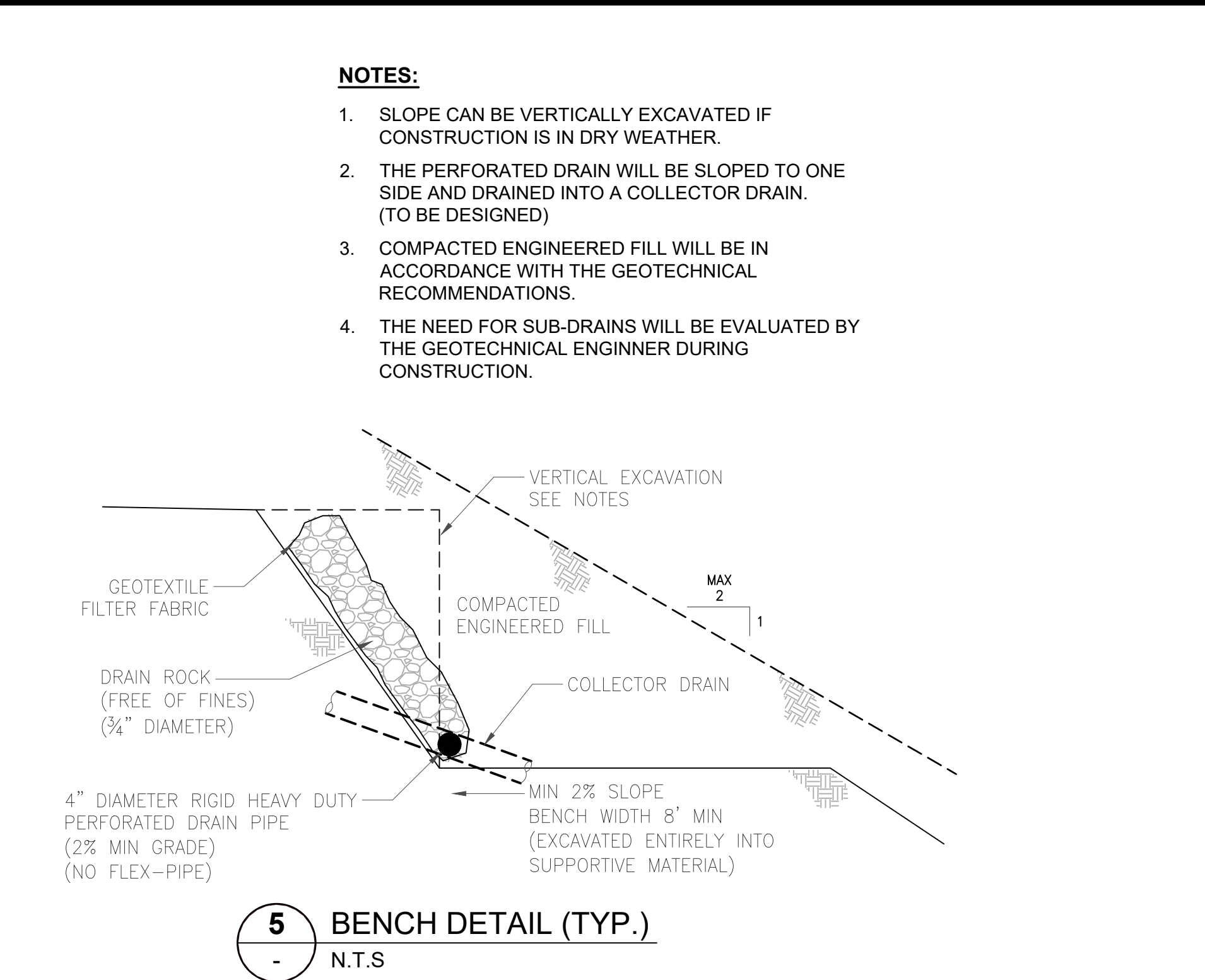
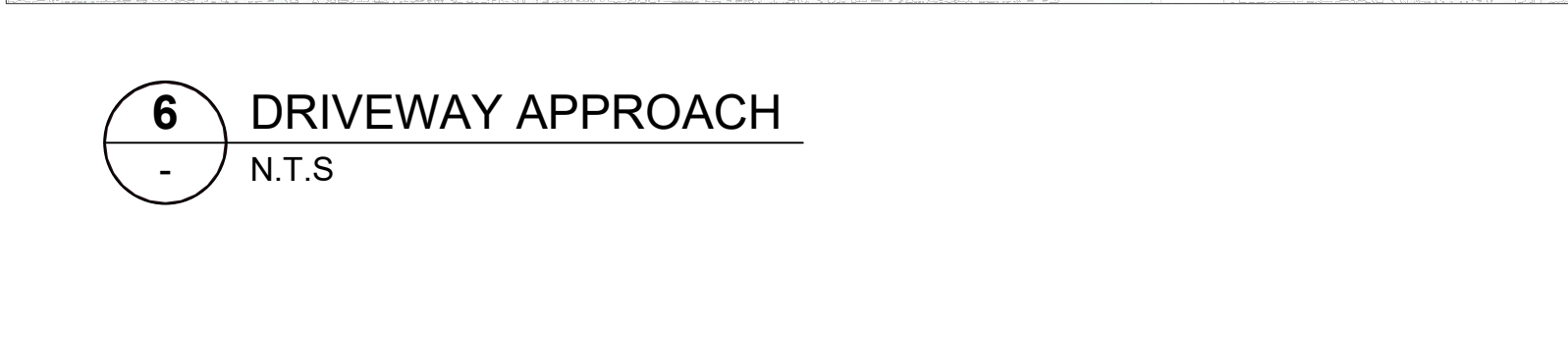
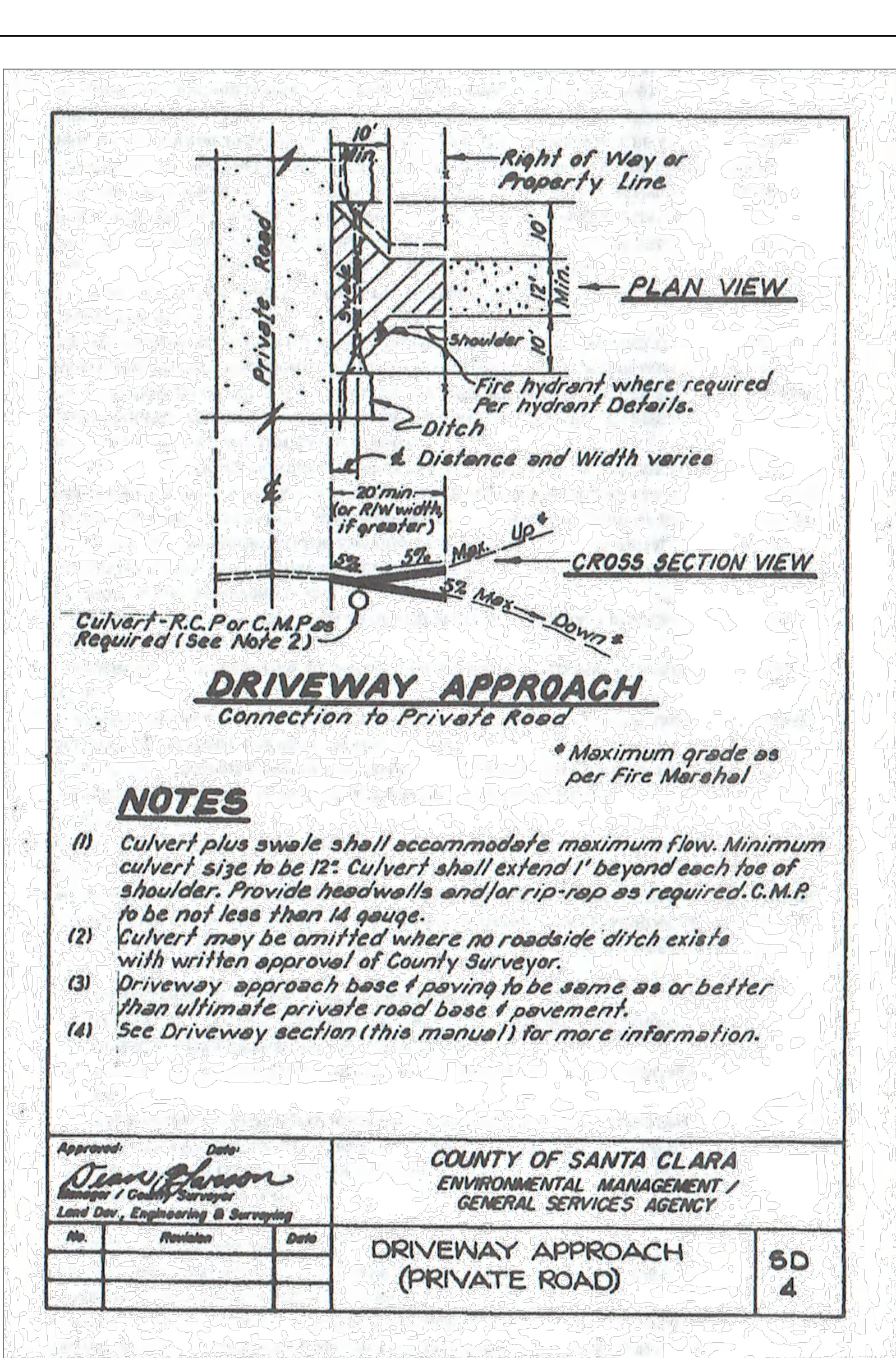
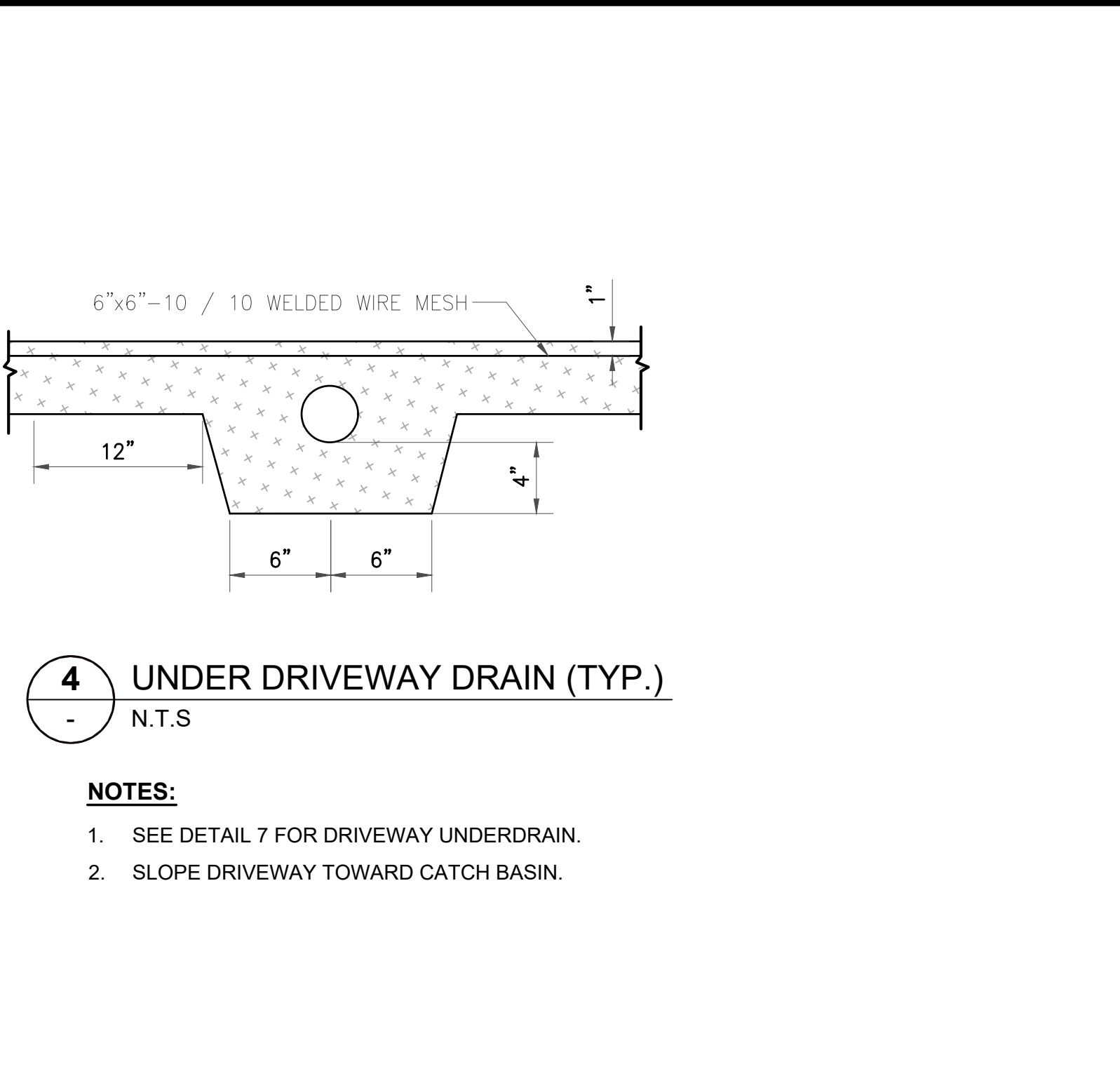
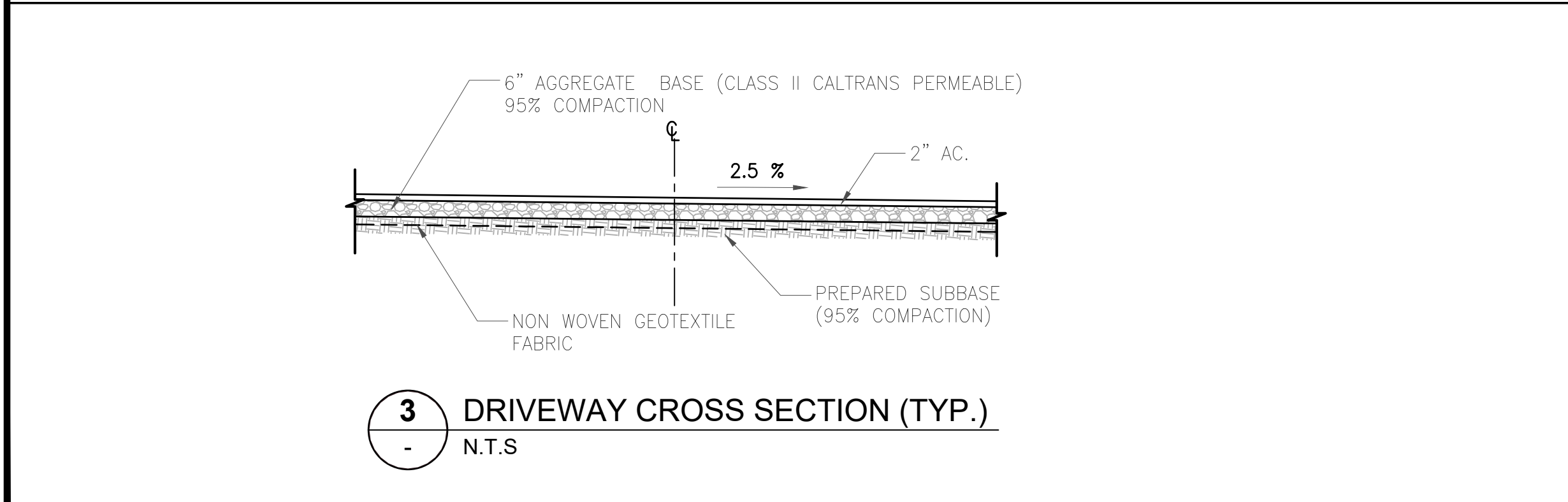
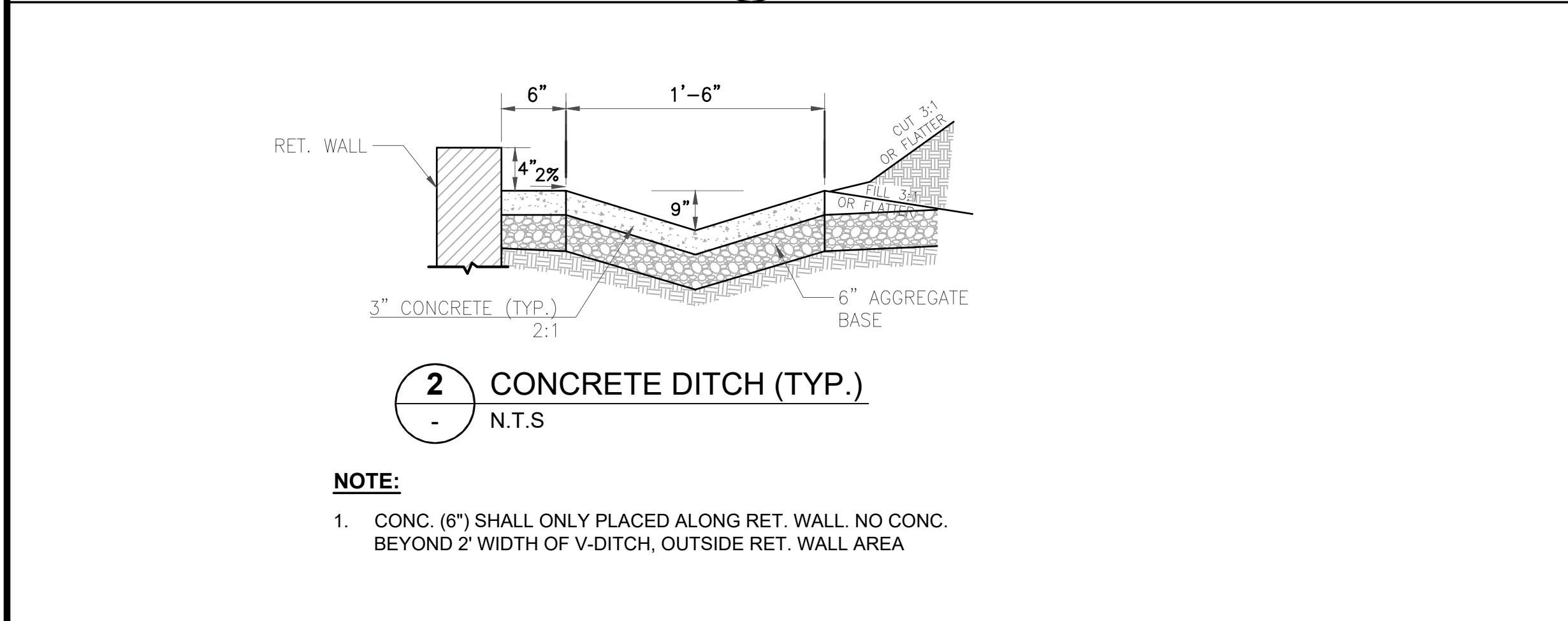
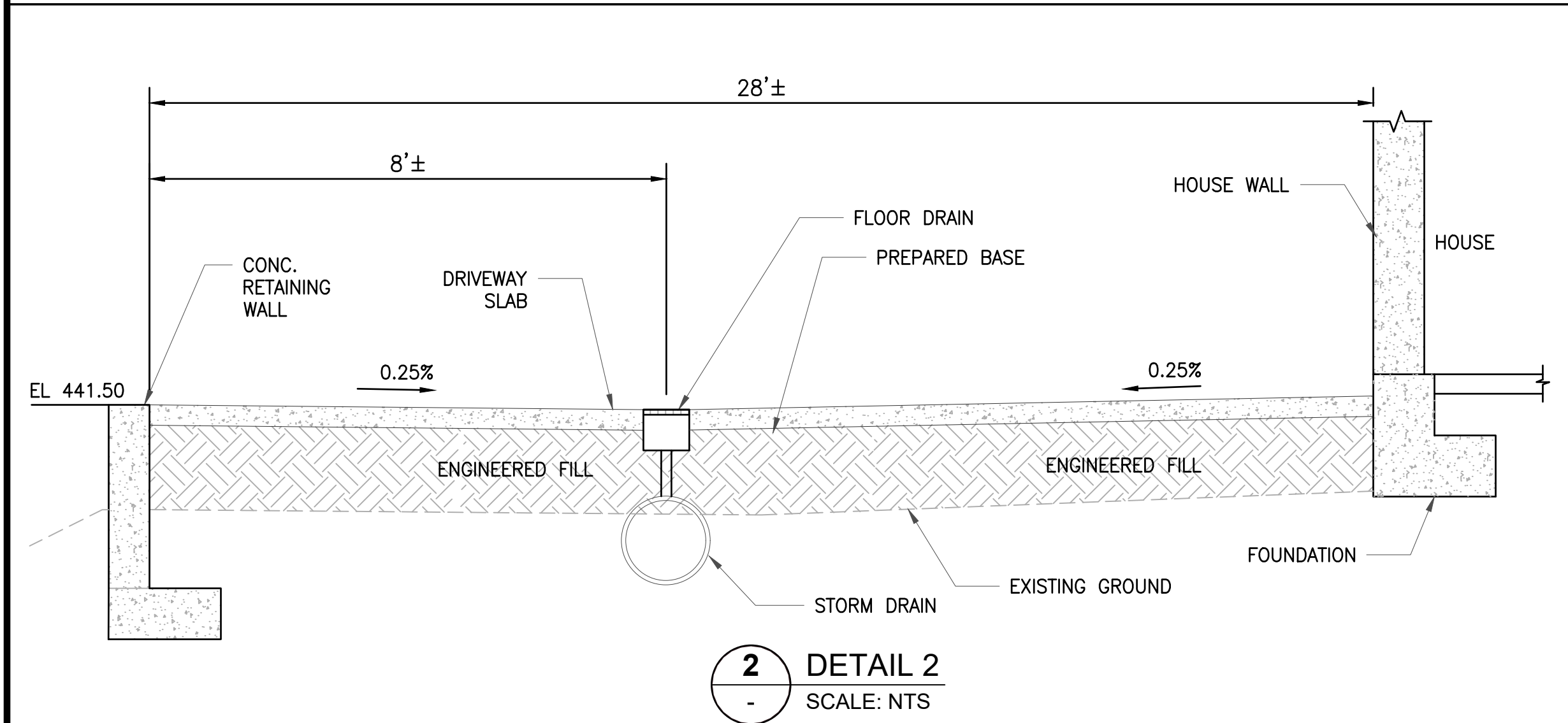
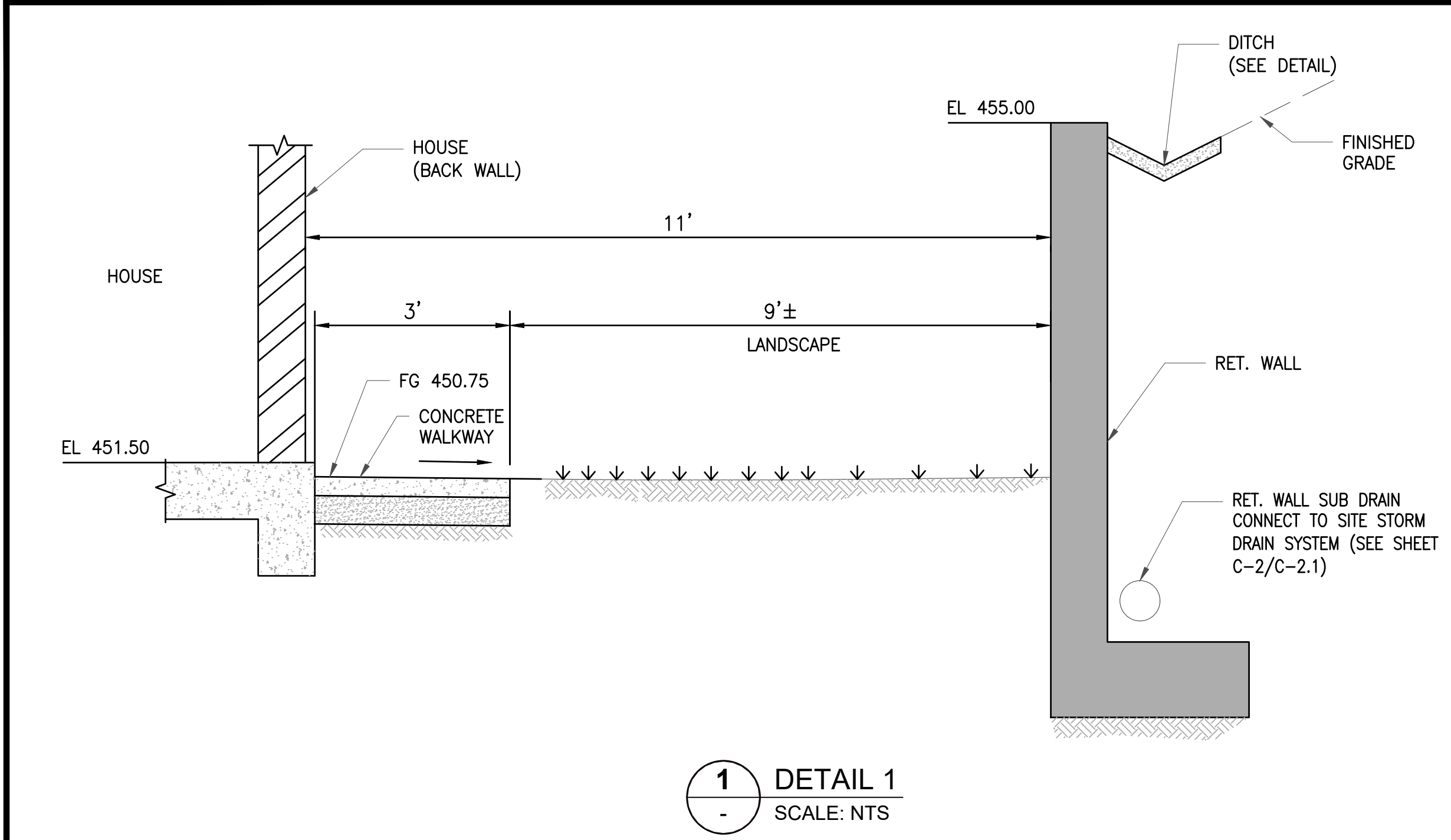
DRIVEWAY CROSS SECTIONS & APPROACH PLAN AND PROFILE

NO.	REVISIONS	DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
		5/23/2025	T. PENG	N. SINGH	M. SAINI	M. SAINI

NO.	REVISIONS	DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
		5/23/2025	T. PENG	N. SINGH	M. SAINI	M. SAINI

NO.	REVISIONS	DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
		5/23/2025	T. PENG	N. SINGH	M. SAINI	M. SAINI

SHEET NUMBER
C-7
13 OF 18 SHEETS



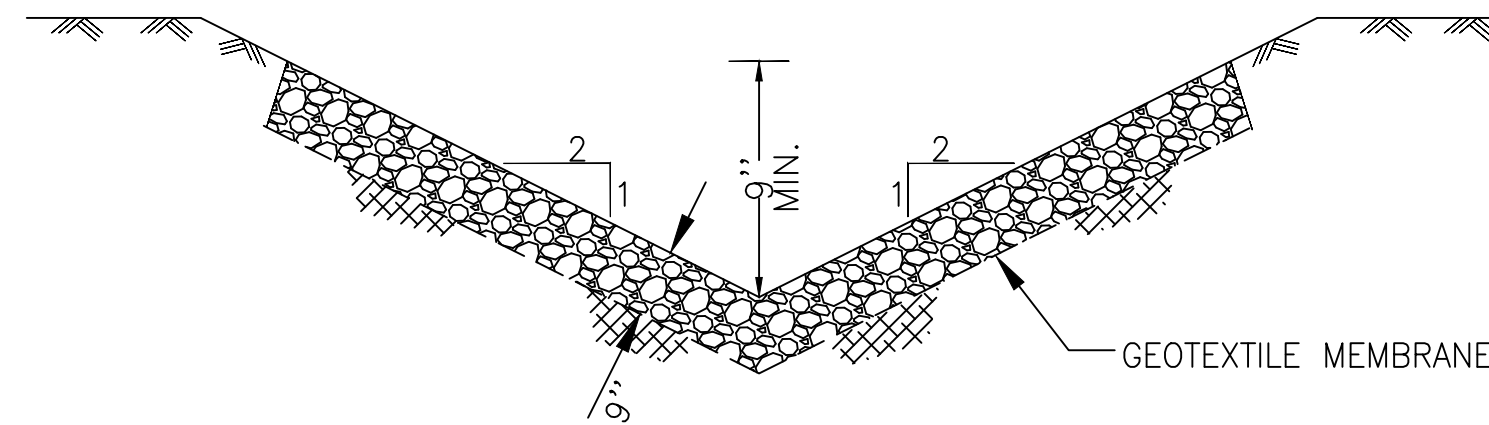
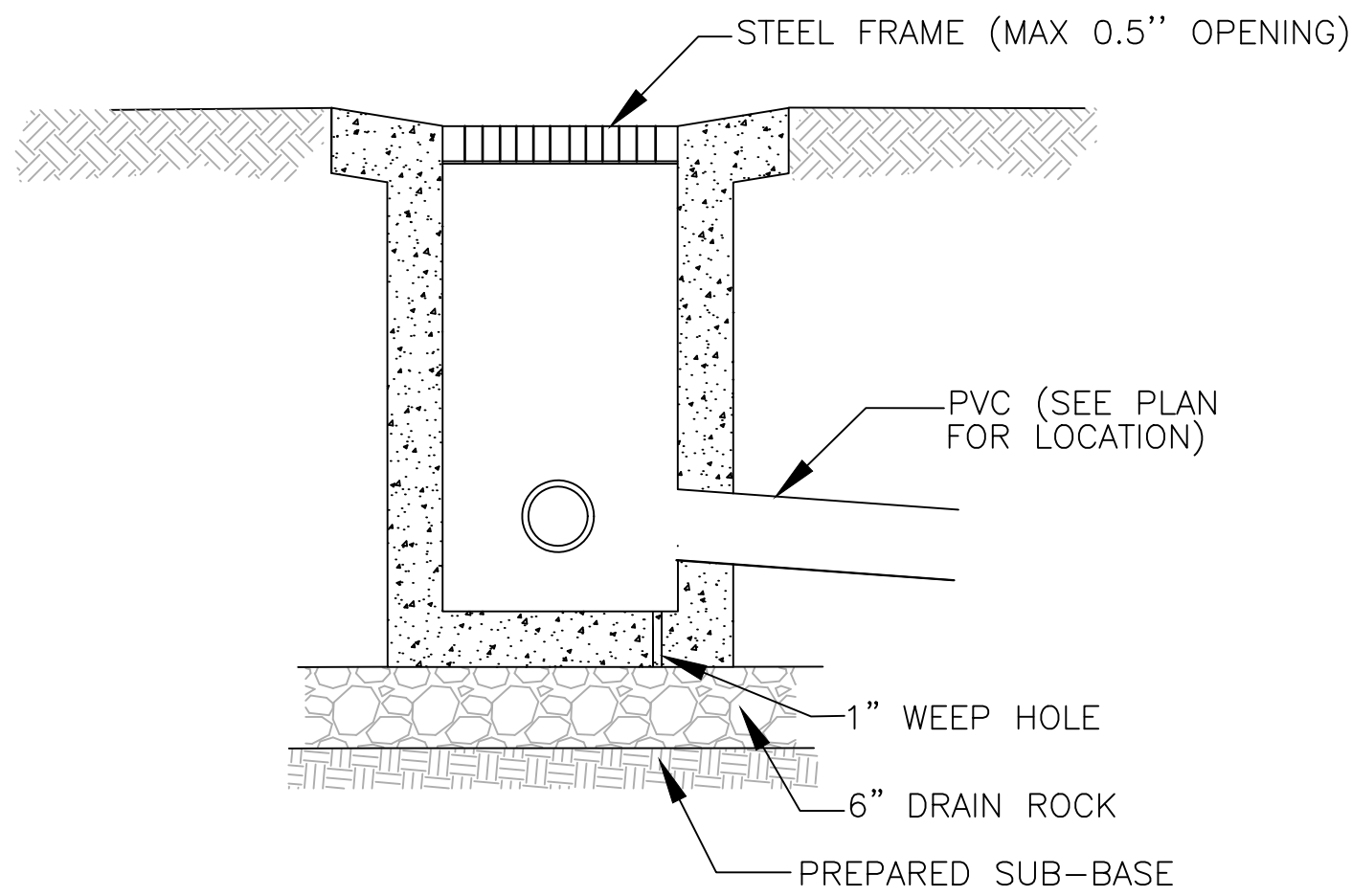
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

GRADING DETAILS

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	
No.	
Revision	
Date	

SHEET NUMBER	D-1
14 OF 18 SHEETS	



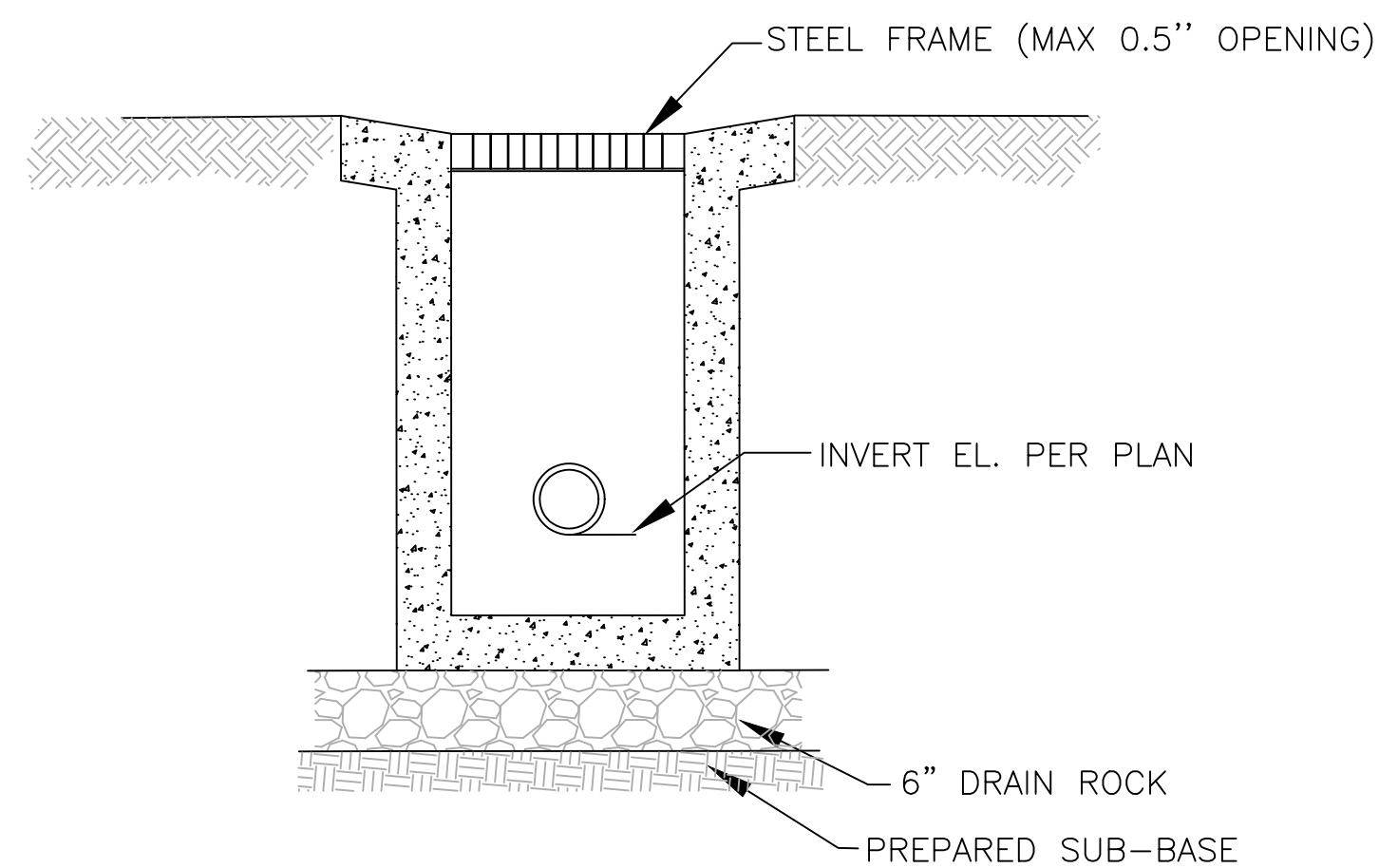
ROCK V-DITCH (TYP) 4
(N.T.S)

NOTES:

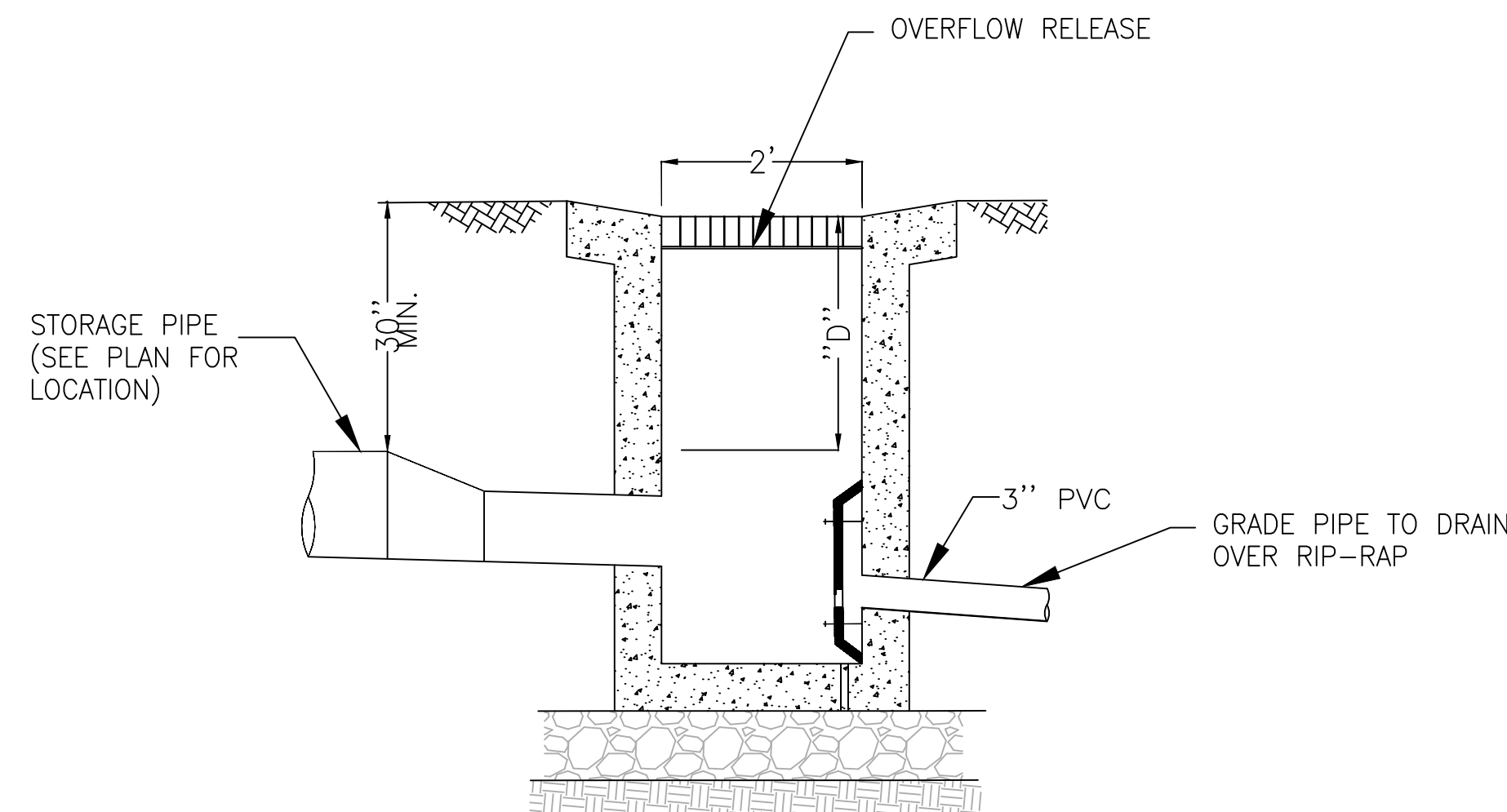
1. GEOTEXTILE MEMBRANE SHALL WOVEN MADE FROM POLYPROPYLENE, IN SLIT FILM OR MONOFILAMENT FORM, WITH 15% GRAB AND GRAB TENSILE STRENGTH 315 LBS.
2. RIPRAP: DURABLE ROCK, FREE FROM CRACKS AND SEAMS, WITH MEDIAN ROCK SIZE 4-INCHES
3. TRASH SCREEN SHALL BE STAINLESS STEEL SCREEN OR PLASTIC UV RESISTANT MATERIAL.
4. CATCH BASINS SHALL BE PRE-CAST CONCRETE.
5. MIN. SOIL COVER OVER DRAIN PIPE PER PLANS.

NOTES:

DEPTH "D" SHALL MATCH THE CROWN ELEV. OF STORAGE PIPE

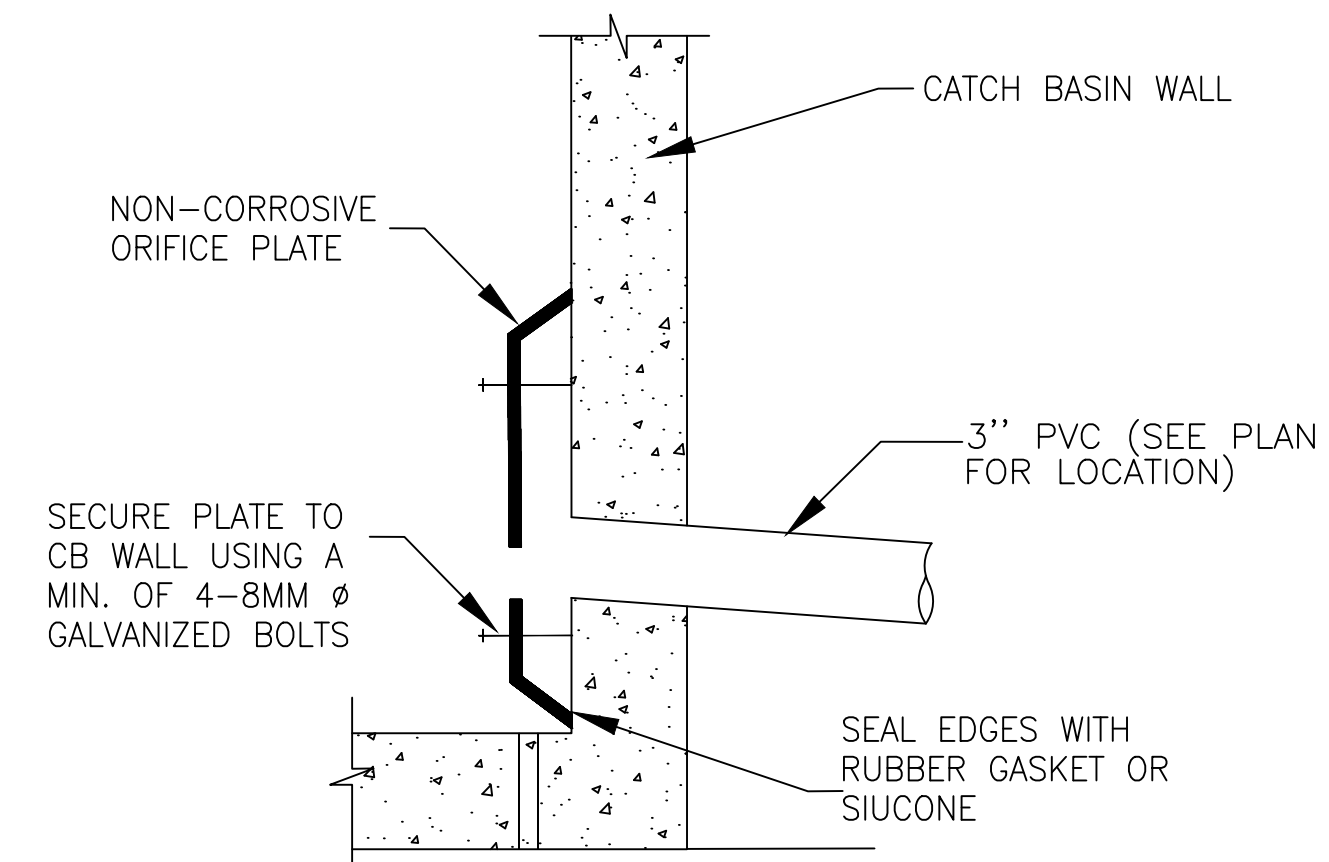


CATCH BASIN (TYP.) 1
N.T.S C-4

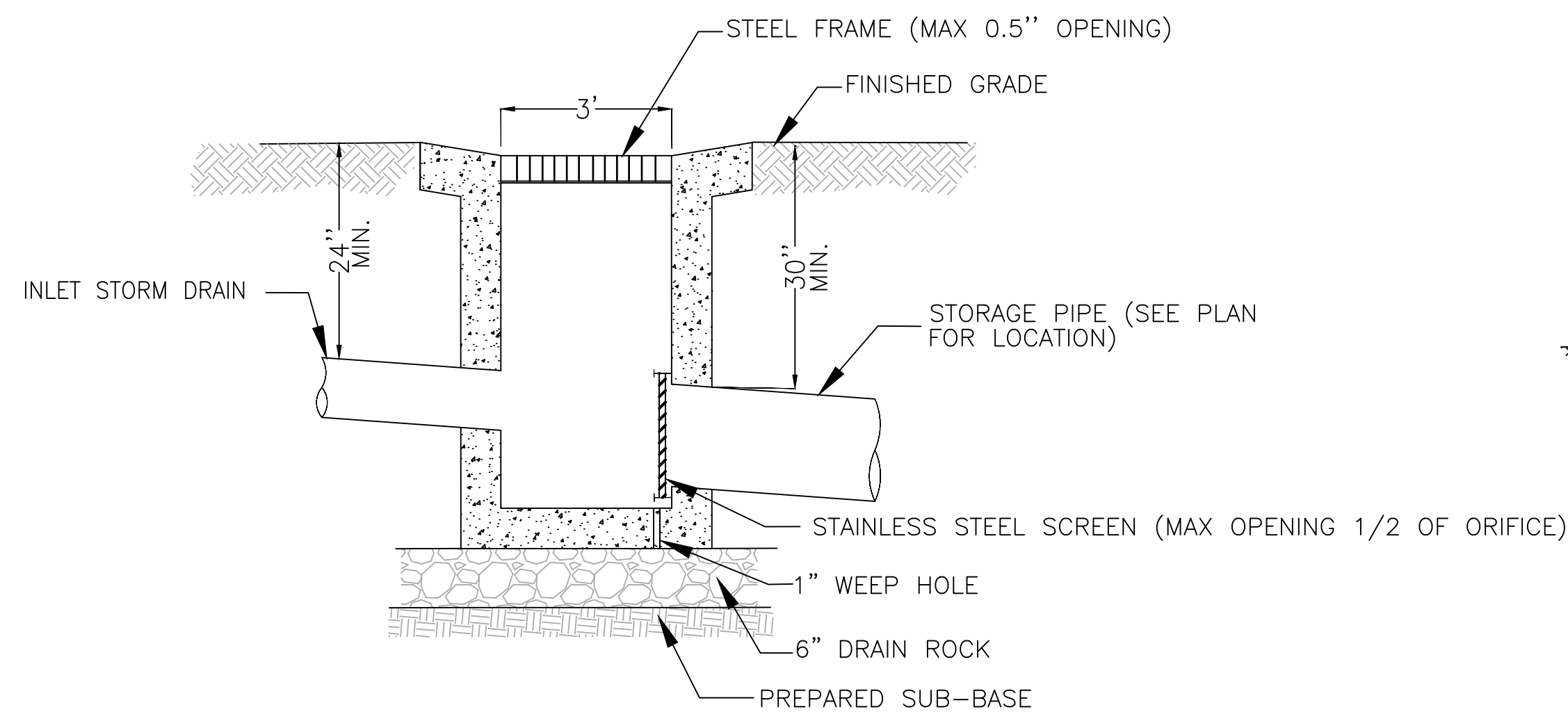


NOTE: THE OVERFLOW RELEASE RIM ELEVATION SHALL MATCH OR ABOVE THE HIGHEST OBVERT ELEVATION IN THE STORM STORAGE SYSTEM, AND A MIN. OF 8" BELOW THE LOWEST RIM ELEVATION IN THE STORM DRAIN SYSTEM

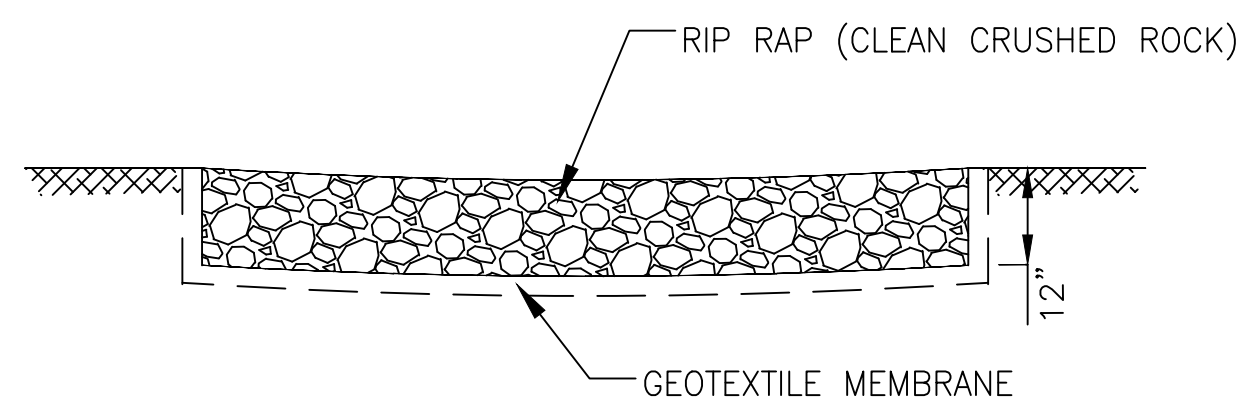
ORIFICE CONTROL CATCH BASIN-2 (TYP) 6
(N.T.S)



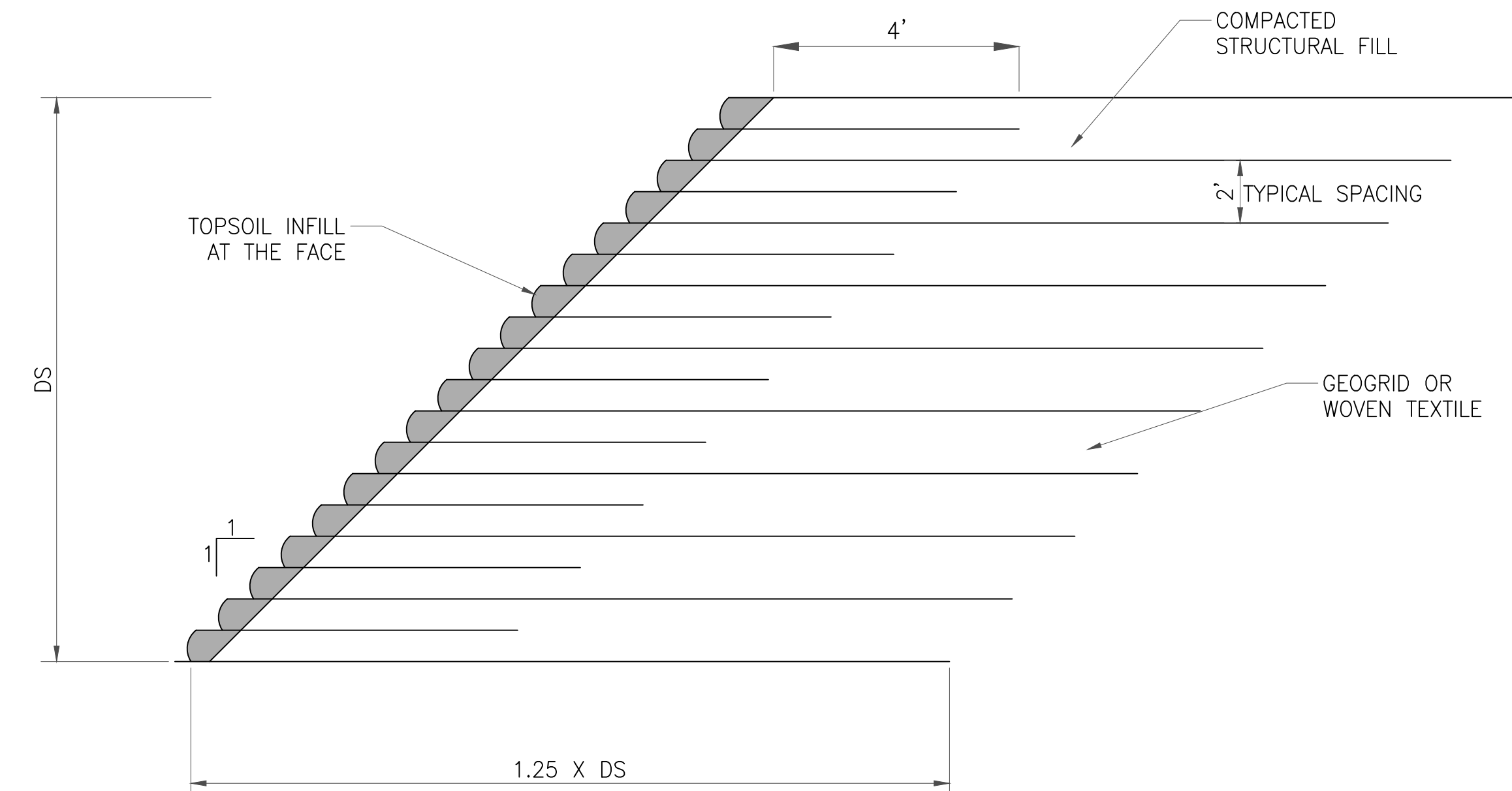
ORIFICE DETAIL (TYP) 3
(N.T.S)



INLET CATCH BASIN 2
(N.T.S) C-4



RIP RAP (TYP) SECTION 5
(N.T.S)



GEOGRID AND GEOTEXTILE
N.T.S

NOTES:

GEOTECHNICAL ENGINEER / MANUFACTURER SPECIFY GEOGRID TO BE USED AND FINALIZE THE DETAIL



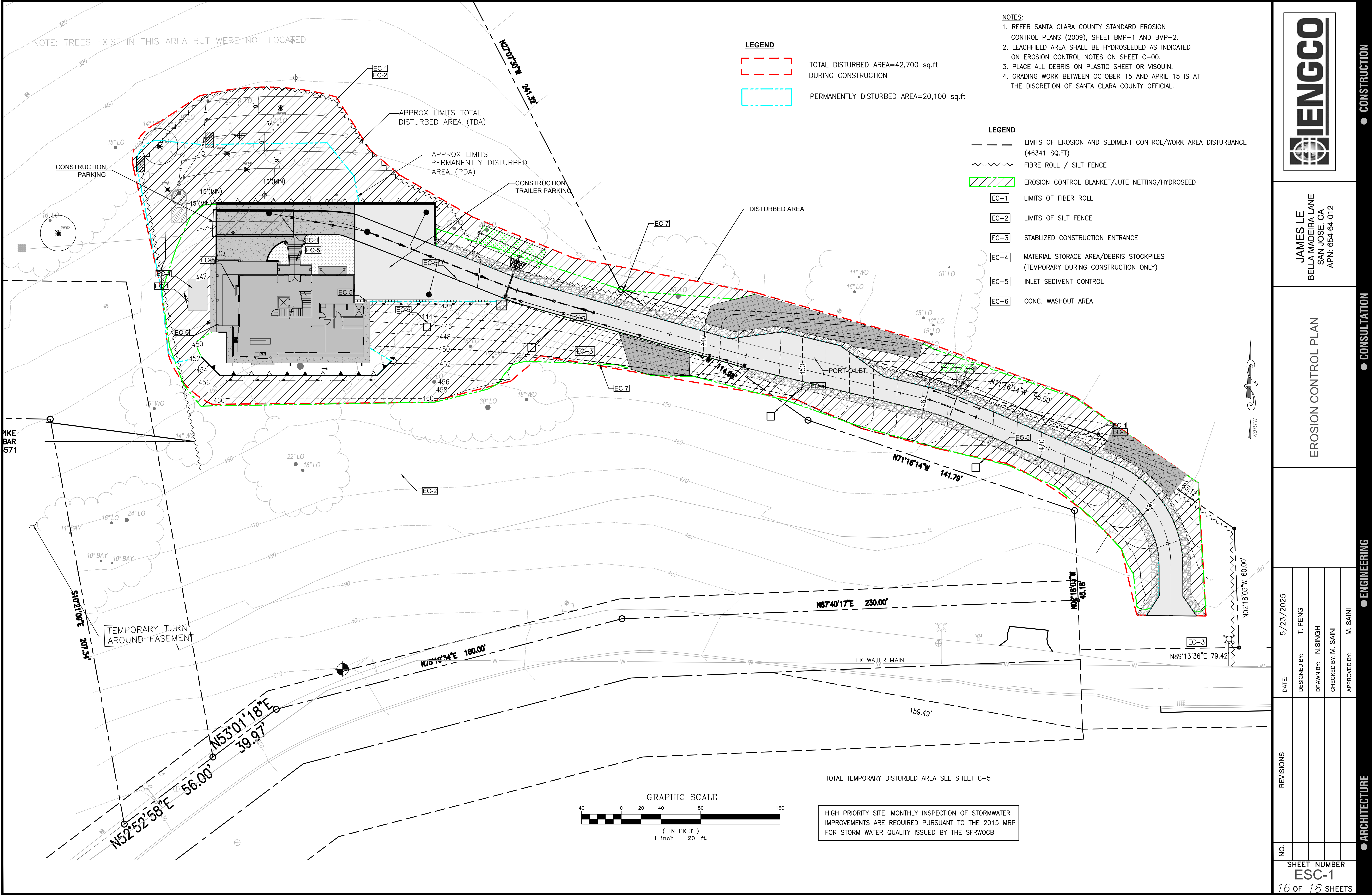
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

DETAILS

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS				
NO.				

SHEET NUMBER
D-2
15 OF 18 SHEETS



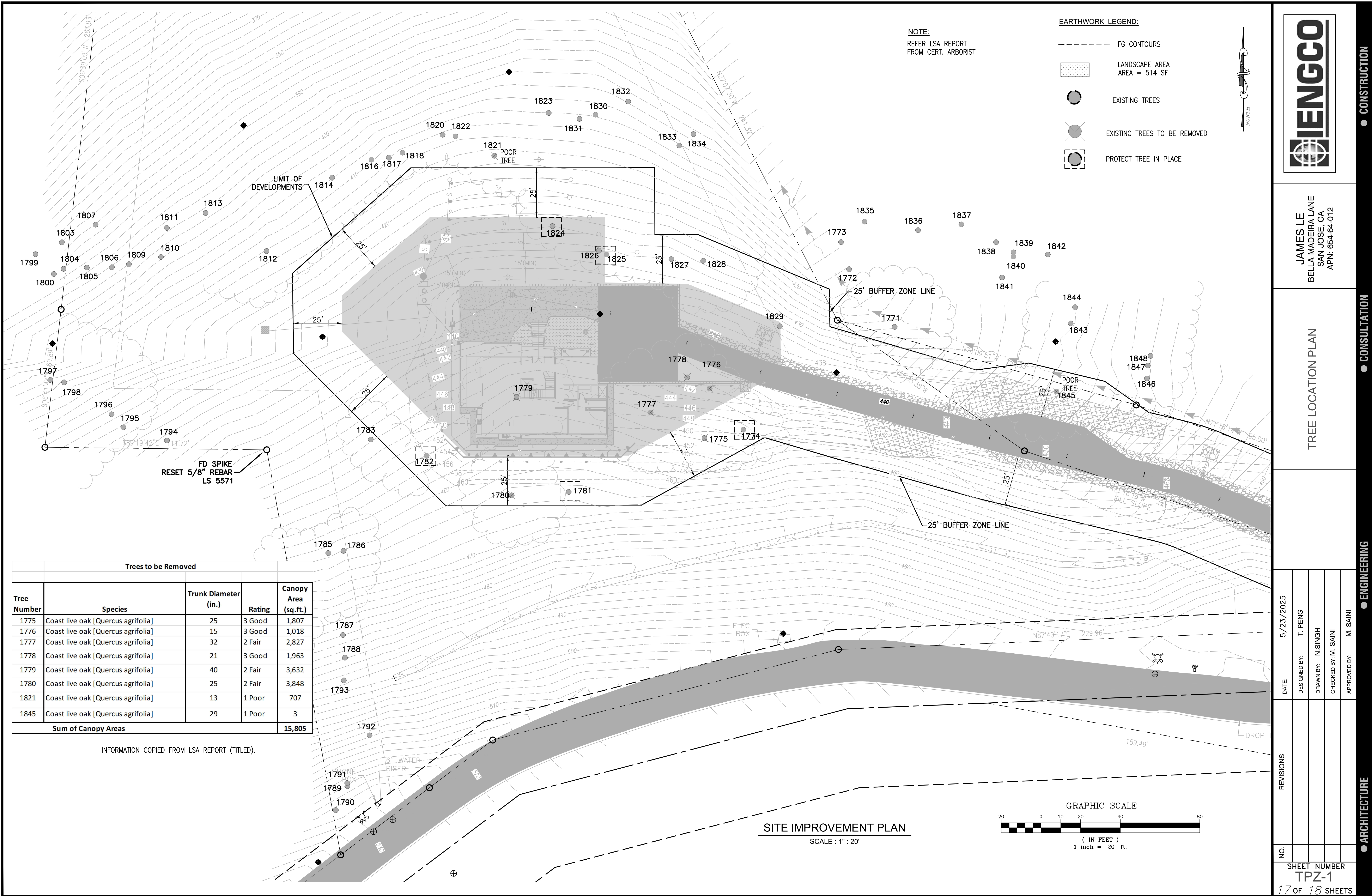
JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

EROSION CONTROL PLAN

NO.	REVISIONS

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

SHEET NUMBER	ESC-1
16 OF 18 SHEETS	



Trees to be Removed				
Tree Number	Species	Trunk Diameter (in.)	Rating	Canopy Area (sq.ft.)
1775	Coast live oak [Quercus agrifolia]	25	3 Good	1,807
1776	Coast live oak [Quercus agrifolia]	15	3 Good	1,018
1777	Coast live oak [Quercus agrifolia]	32	2 Fair	2,827
1778	Coast live oak [Quercus agrifolia]	21	3 Good	1,963
1779	Coast live oak [Quercus agrifolia]	40	2 Fair	3,632
1780	Coast live oak [Quercus agrifolia]	25	2 Fair	3,848
1821	Coast live oak [Quercus agrifolia]	13	1 Poor	707
1845	Coast live oak [Quercus agrifolia]	29	1 Poor	3
Sum of Canopy Areas				15,805

INFORMATION COPIED FROM LSA REPORT (TITLED).



JAMES LE
BELLA MADEIRA LANE
SAN JOSE, CA
APN: 654-64-012

TREE LOCATION PLAN

DATE:	5/23/2025
DESIGNED BY:	T. PENG
DRAWN BY:	N. SINGH
CHECKED BY:	M. SAINI
APPROVED BY:	M. SAINI

REVISIONS	NO.				
SHEET NUMBER					
TPZ-1					
17 of 18 SHEETS					

APN: 654-64-012

STORMWATER DESIGN VOLUME CALCULATIONS

DESIGN VOLUME REQUIRED FOR DMA-1			
Total area of DMA-1	=	32,358 sq. ft	
Impervious area in DMA-1	=	11,211 sq. ft	
DMA-1 imperviousness ratio (i)	=	0.35 unitless	
Stormwater runoff coefficient (C)	=	0.25 unitless	
Mean annual runoff producing rainfall (P6)	=	0.33 inches	
Regression constant (a)	=	1.96 unitless	
Unit stormwater volume (P0)	=	0.16 inches	
Stormwater Design Volume for DMA-1	=	437 cu. ft.	

DESIGN VOLUME REQUIRED FOR DMA-2			
Total area of DMA-2	=	11,646 sq. ft	
Impervious area in DMA-2	=	1,870 sq. ft	
DMA-2 imperviousness ratio (i)	=	0.16 unitless	
Stormwater runoff coefficient (C)	=	0.15 unitless	
Mean annual runoff producing rainfall (P6)	=	0.33 inches	
Regression constant (a)	=	1.96 unitless	
Unit stormwater volume (P0)	=	0.10 inches	
Stormwater Design Volume for DMA-2	=	93 cu. ft.	

PLANTER BOX CALCULATIONS

PLANTER BOX BOTTOM SURFACE AREA REQUIRED FOR DMA-1			
Stormwater Design Volume for DMA-1 (SDV)	=	437 cu. ft.	
Depth of ponding zone (d _{pz})	=	0.5 ft	
Porosity of planting media (n _{pm})	=	0.25 unitless	
Depth of planting media (d _{pm})	=	1.5 ft	
Porosity of gravel layer (n _{gl})	=	0.4 unitless	
Depth of gravel layer (d _{gl})	=	1 ft	
Bottom surface area of planter box for DMA-1	=	343 sq. ft.	

Condition for planter box/bioretenion design:			
The total depth of the bioretention facility must meet the following condition to ensure that the stormwater runoff will be infiltrated within the maximum drawdown time:			
$d_{pz} + (n_{pm} \times d_{pm}) + (n_{gl} \times d_{gl}) \leq \frac{f_{design}}{12} \times t_{max}$			
Design infiltration rate (f _{design})	=	1.5 in/hr	
Drawdown time (t _{max})	=	48 hr	
$\frac{f_{design}}{12} \times t_{max}$	=	6 ft	
Note: Condition satisfied.			

PLANTER BOX BOTTOM SURFACE AREA REQUIRED FOR DMA-2			
Stormwater Design Volume for DMA-2 (SDV)	=	93 cu. ft.	
Depth of ponding zone (d _{pz})	=	0.5 ft	
Porosity of planting media (n _{pm})	=	0.25 unitless	
Depth of planting media (d _{pm})	=	1.5 ft	
Porosity of gravel layer (n _{gl})	=	0.4 unitless	
Depth of gravel layer (d _{gl})	=	1 ft	
Bottom surface area of planter box for DMA-2	=	73 sq. ft.	

Condition for planter box/bioretenion design:			
The total depth of the bioretention facility must meet the following condition to ensure that the stormwater runoff will be infiltrated within the maximum drawdown time:			
$d_{pz} + (n_{pm} \times d_{pm}) + (n_{gl} \times d_{gl}) \leq \frac{f_{design}}{12} \times t_{max}$			
Design infiltration rate (f _{design})	=	1.5 in/hr	
Drawdown time (t _{max})	=	48 hr	
$\frac{f_{design}}{12} \times t_{max}$	=	6 ft	
Note: Condition satisfied.			

DMA-1=32,358 SQ.FT

DMA-2=11,646 SQ.FT

PLANTER BOX 343 SQ. FT.

PLANTER BOX 73 SQ. FT.

SHARED ACCESS ROAD EX WATER MAIN

6" WATER RISER

6" AC DIKE

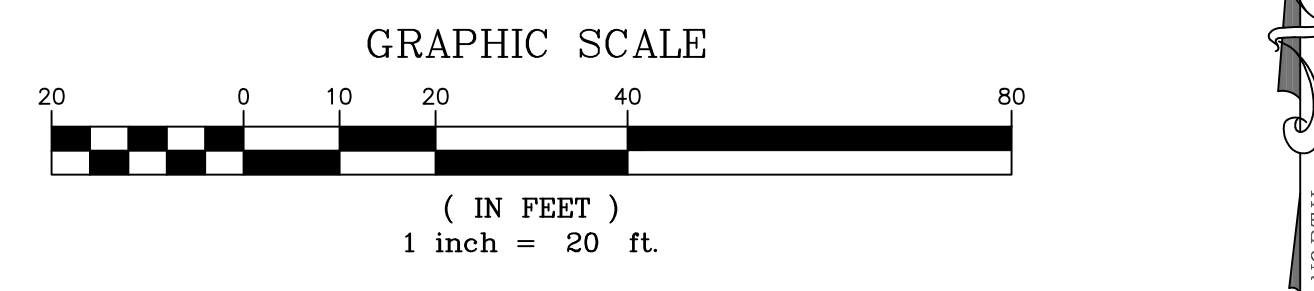
GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

NORTH

PLANTER BOX CALCULATIONS			
PLANTER BOX BOTTOM SURFACE AREA REQUIRED FOR DMA-1			
Stormwater Design Volume for DMA-1 (SDV)	=	437 cu. ft.	
Depth of ponding zone (d _{pz})	=	0.5 ft	
Porosity of planting media (n _{pm})	=	0.25 unitless	
Depth of planting media(d _{pm})	=	1.5 ft	
Porosity of gravel layer (n _{gl})	=	0.4 unitless	
Depth of gravel layer (d _{gl})	=	1 ft	
Bottom surface area of planter box for DMA-1	=	343 sq. ft.	
Condition for planter box/bioretention design:			
The total depth of the bioretention facility must meet the following condition to ensure that the stormwater runoff will be infiltrated within the maximum drawdown time:			
$d_{pz} + (n_{pm} \times d_{pm}) + (n_{gl} \times d_{gl}) \leq \frac{f_{design}}{12} \times t_{max}$			
Design infiltration rate (f _{design})	=	1.5 in/hr	
Drawdown time (t _{max})	=	48 hr	
$\frac{f_{design}}{12} \times t_{max}$	=	6 ft	
Note: Condition satified.			
PLANTER BOX BOTTOM SURFACE AREA REQUIRED FOR DMA-2			



MWEO CALCULATIONS

MAWA = (ETo)(.62)[(0.55x LA) + (0.3x SLA)]

Where:

MAWA = Maximum Applied Water Allowance (gallons per year)

ETo = Reference Evapotranspiration (inches per year)

0.55 = ET Adjustment Factor (per CA code, max 0.55 for residential)

LA = Landscaped Area including Special Landscape Area (square feet)

0.62 = Conversion factor (to gallons per square foot)

SLA = Portion of the landscaped area identified as Special Landscape Area (square feet)

0.3 = Additional ET adjustment factor for Special Landscape Area (1.0-0.7=0.3)

ETo = 45.3 in/yr

LA = 2,276 sq. ft.

SLA = 0 sq. ft.

MAWA= (45.3)(0.62)[(0.55 x 2,276)+(0.3x0)]

= (45.3)(0.62)[1,251.8 + 0]

= 35,158

Maximum Applied Water Allowance = 35,158 gallons per year

The following is the projects total Estimated Total Water Use:

ETWU = (ETo)(0.62) [(PFxHA)(IE) + SLA]

Where:

ETWU = Estimated Total Water Use per year (gallons)

ETo = Reference Evapotranspiration (inches)

PF = Plant Factor from WUCOLS

HA = Hydrozone Area [high, medium, and low water use areas](square feet)

SLA = Special Landscape Area (square feet)

0.62 = Conversion Factor

IE = Irrigation Efficiency (minimum 0.71)

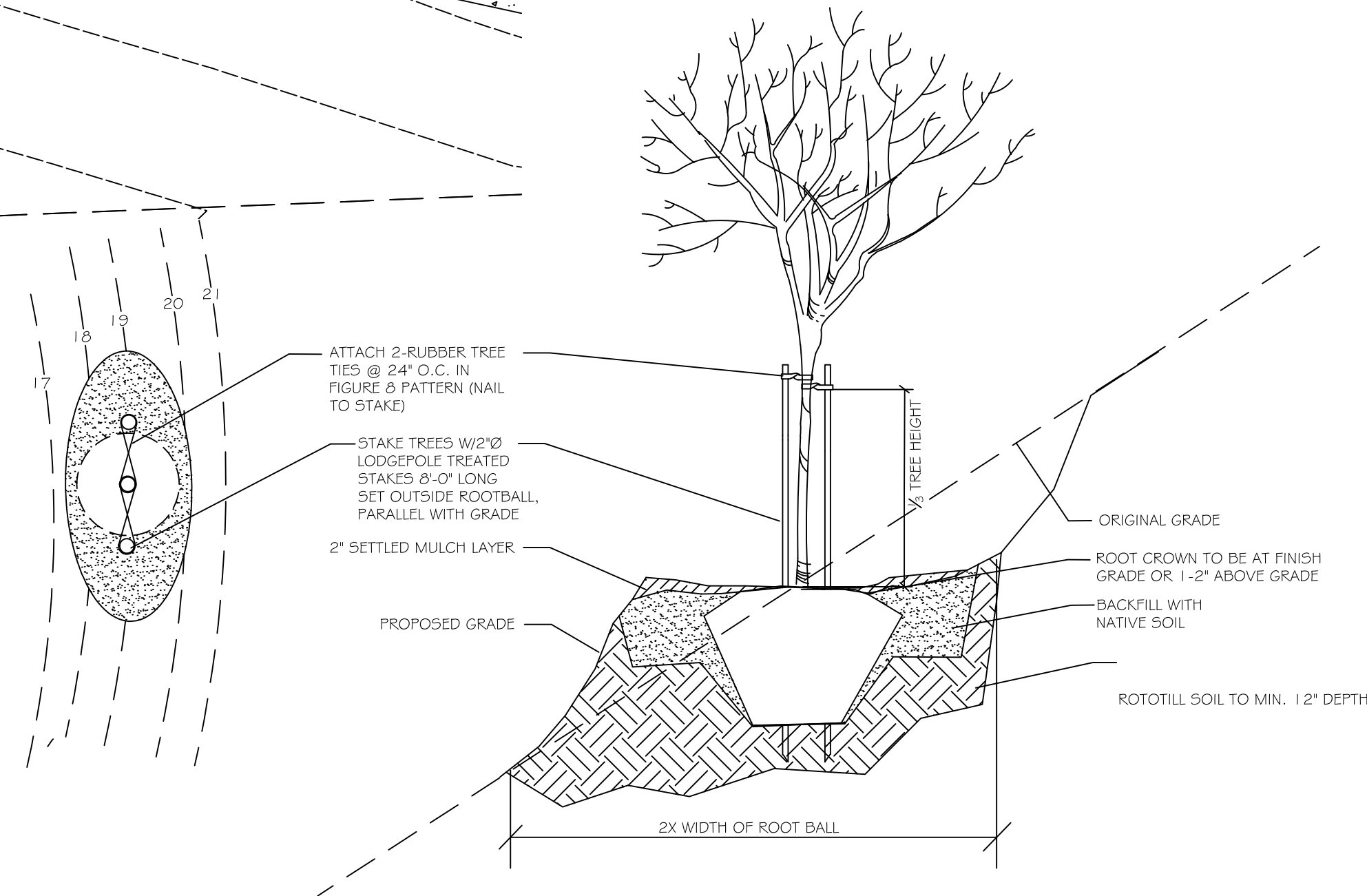
ETWU Drip = (45.3)(0.62)[(0.3x2,276)(.8)+0]

= 23,971.4

Estimated Total Water Use = 23,971.4 gallons per year

MAWA > ETWU

= 35,158 > 23,971.4



TREE PLANTING ON SLOPE INSTALLATION DETAIL

LANDSCAPE SUMMARY

LANDSCAPE PLANTING AREA: 1,884 SQ.FT.
TREE REPLACEMENT AREA: 25,000 SQ.FT. (1.4 IRR. SF PER TREE)
TOTAL IRRIGATED AREA: 1,884 + 392 = 2,276 SQ.FT.
MAWA: 35,158 GALLONS PER YEAR
ETWU: 23,971.4 GALLONS PER YEAR

* I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLANS.

SIGNATURE *Valerie Pennino* DATE 6.1.22

PLANT LEGEND

Symbol	Size	Botanical Name	Common Name	Water Use	Quantity
TREES					
	15 gal.	Lagerstroemia indica	Crape Myrtle	L	3
SHRUBS					
	5 gal.	Rhaphiolepis i. 'Springtime'	India Hawthorn	L	18
	5 gal.	Dodonaea v. 'Purpurea'	Purple Hopseed Bush	L	6
	5 gal.	Lavandula spp.	Lavender	L	16
	5 gal.	Phormium tenax	New Zealand Flax	L	7
	5 gal.	Rhaphiolepis i. 'Ballenna'	Dwarf India Hawthorne	L	11
	5 gal.	Phormium t. 'Bronze Baby'	New Zealand Flax	L	12
	5 gal.	Pittosporum t. 'Wheelers Dwarf'	Dwarf Pittosporum	L	7
	5 gal.	Bacchans pilularis	Dwarf Coyote Brush	L	18
ACCENT & GROUND COVER					
	1 gal.	Diets vegeta	Fortnight Lily	L	21

PLANTING NOTES

- ALL PLANTING SHALL BE COMPLETED IN ACCORDANCE WITH AND CONTRACTOR SHALL BE FAMILIAR WITH AND ADHERE TO SANTA CLARA STANDARD PLANS & SPECIFICATIONS. (COUNTY STANDARD PLANS SHALL SUPERCEDE NOTES IF A CONFLICT OF INFORMATION OCCURS.)
- FINISH GRADE IN PLANTERS SHALL BE 1 1/2" INCHES BELOW THE TOP OF ADJACENT PAVING. GRADE ALL PLANTING AREAS SMOOTH AND EVEN. ENSURE THAT ALL PLANTING AREAS MAINTAIN POSITIVE DRAINAGE.
- PLANTING AREAS SHALL BE KEPT CLEAN AND FREE FROM ALL CONCRETE, ASPHALTIC WASTE, LUMBER, AB BASE OR OTHER IMPURITIES. POLLUTION CAUSED BY GASOLINE, OIL OR OTHER SUCH MATERIALS SHALL BE REMOVED BY EXCAVATION OF THE SOIL AND REPLACED WITH CLEAN TOPSOIL AT THE CONTRACTOR'S EXPENSE.
- IMPORTED TOPSOIL (MIN 8" LAYER) SHALL BE FERTILE, FRABLE NATIVE SOIL OF LOAMY CHARACTER HAVING NORMAL AMOUNT OF HUMUS. THE SOIL SHALL BE FREE OF SUBSOIL, REFUSE, ROOTS OVER 1/2" DIAMETER, NOXIOUS WEEDS AND BRUSH OR OTHER HARMFUL MATERIAL.
- SOIL AMENDMENT SHALL BE NITRIFIED FIR OR REDWOOD SOIL CONDITIONER 1/4". APPLY THE SOIL AMENDMENT TO ALL PLANTED AREAS AT THE RATE OF 4 CU. YDS. PER 1000 SQ. FT. BROADCAST BEST 6-20-20 XB FERTILIZER AT 15 LBS. PER 1000 SQ.FT. THE SOIL IN ALL LANDSCAPED AREAS SHALL BE THOROUGHLY ROTOILLED OR HAND CULTIVATED TO A MINIMUM DEPTH OF 6" TO ASSURE COMPLETE INCORPORATION OF THE SOIL AMENDMENTS. ANY HARD PANS ENCOUNTERED SHALL BE RIPPED TO ALLOW THOROUGH TILLING OF THE SOIL.
- CONTRACTOR SHALL SUBMIT A SAMPLE OF THE SOIL AMENDMENT TO THE CITY LANDSCAPE INSPECTOR FOR APPROVAL PRIOR TO DELIVERY.

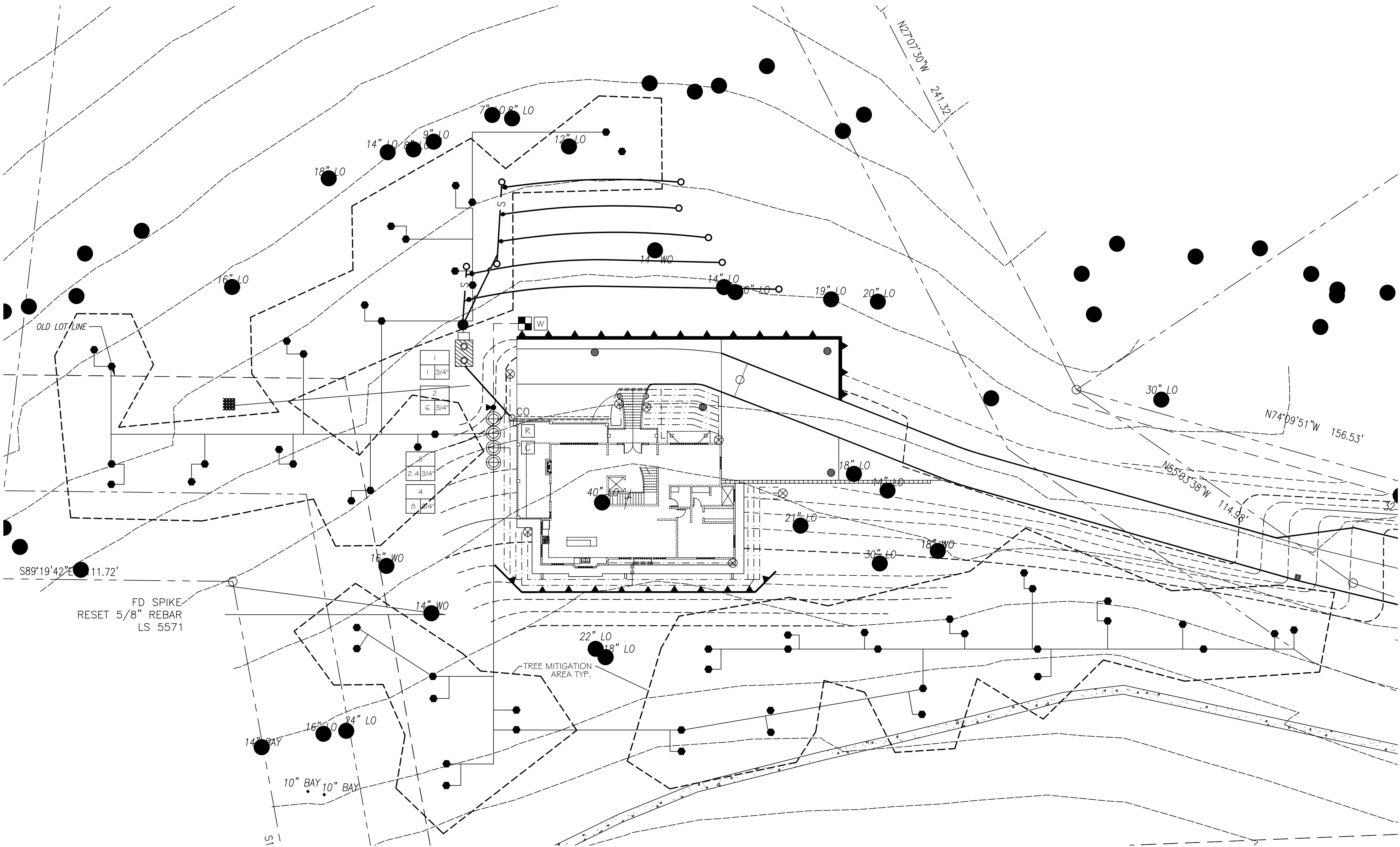
TREE REPLACEMENT LEGEND

Symbol	Size	Botanical Name	Common Name	Water Use
TREES				
	24" BOX	Quercus agrifolia	Coast Live Oak	L

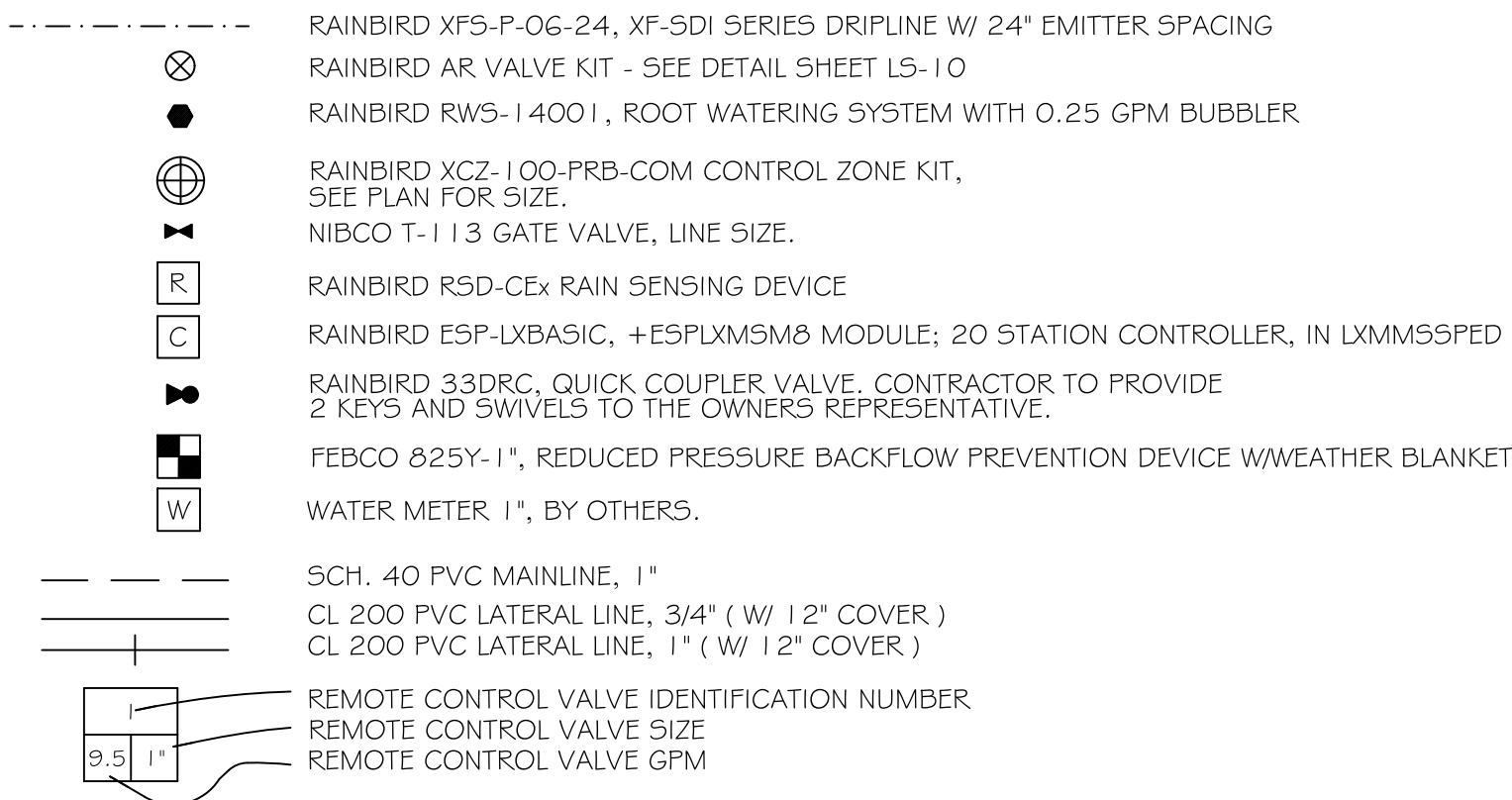
TREE REPLACEMENT

(REFER TO SHEET C-11 TREE LOCATION PLAN, FOR TREES TO BE REMOVED)

TREE #	SPECIES	QUANTITY/SIZE	SPECIES
1775	QUERCUS AGRIFOLIA	4 -24" BOX.	QUERCUS AGRIFOLIA
1776	QUERCUS AGRIFOLIA	2 -24" BOX.	QUERCUS AGRIFOLIA
1777	QUERCUS AGRIFOLIA	4 -24" BOX.	QUERCUS AGRIFOLIA
1778	QUERCUS AGRIFOLIA	3 -24" BOX.	QUERCUS AGRIFOLIA
1779	QUERCUS AGRIFOLIA	4 -24" BOX.	QUERCUS AGRIFOLIA
1780	QUERCUS AGRIFOLIA	2 -24" BOX.	QUERCUS AGRIFOLIA
1821	QUERCUS AGRIFOLIA	2 -24" BOX.	QUERCUS AGRIFOLIA
1845	QUERCUS AGRIFOLIA	4 -24" BOX.	QUERCUS AGRIFOLIA
TOTAL		28 -24" BOX.	QUERCUS AGRIFOLIA



IRRIGATION LEGEND



IRRIGATION NOTES

1. PLAN IS DIAGRAMATIC AND IS NOT INTENDED TO SHOW EXACT LOCATIONS OF PIPING, VALVES, ETC. INSTALL PIPE IN PLANTED AREAS WHENEVER POSSIBLE.
2. CONTRACTOR SHALL COORDINATE/VERIFY WATER STUB IN FIELD.
3. ELECTRICAL SUBCONTRACTOR TO SHALL VERIFY EXISTING 110V SERVICES AND SERVICE TO CONTROLLER LOCATION.
4. VALVES SHALL BE INSTALLED IN PLANTING AREA IN MARKED VALVE BOXES. LOCATION SHOWN ON PLAN IS FOR CLARITY ONLY.
5. ALL VALVES ARE TO BE CONNECTED TO WATER MAIN.
6. SLEEVES SHALL BE INSTALLED UNDER ALL PAVING SURFACES. ALL SLEEVING SHALL BE SCH. 40 PIPE AND SHOULD BE TWICE THE SIZE OF THE IRRIGATION LINE.
7. SEE IRRIGATION DETAILS FOR ADDITIONAL INFORMATION.
8. THE SYSTEM IS DESIGNED TO OPERATE AT (30) PSI. HIGHEST FLOW DURING IRRIGATION CYCLE IS (8 GPM). CONTRACTOR SHALL PERFORM PRESSURE TEST IN-FIELD PRIOR TO INSTALLING IRRIGATION SYSTEM, AND INFORM OWNER IF ADEQUATE PRESSURE IS NOT AVAILABLE, OR PRESSURE IS TOO HIGH. ANY CHANGES MUST BE PRE-APPROVED.
9. IRRIGATION SYSTEM SHALL BE INSTALLED PER LOCAL CODES AND ORDINANCES.

LANDSCAPE SUMMARY

LANDSCAPE PLANTING AREA: 1,884 SQ.FT.
TREE REPLACEMENT AREA: 25,000 SQ.FT. (14 IRR. SF PER TREE)
TOTAL IRRIGATED AREA: 1,884 + 392 = 2,276 SQ.FT.
MAWA: 35,158 GALLONS PER YEAR
ETWU: 23,971.4 GALLONS PER YEAR

* I HAVE COMPLIED WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLANS.

SIGNATURE *Valerie Pennino* DATE 6.1.22

PDG
PENNINO
DESIGN GROUP
LANDSCAPE
ARCHITECTURE
1949 W. KETTLEMAN LANE
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IRRIGATION PLAN

BELLA MADIERA
SAN JOSE, CA

Drawn By:
VP

Date:
6.1.22

Scale:
1"=20'

Job No.
119.16

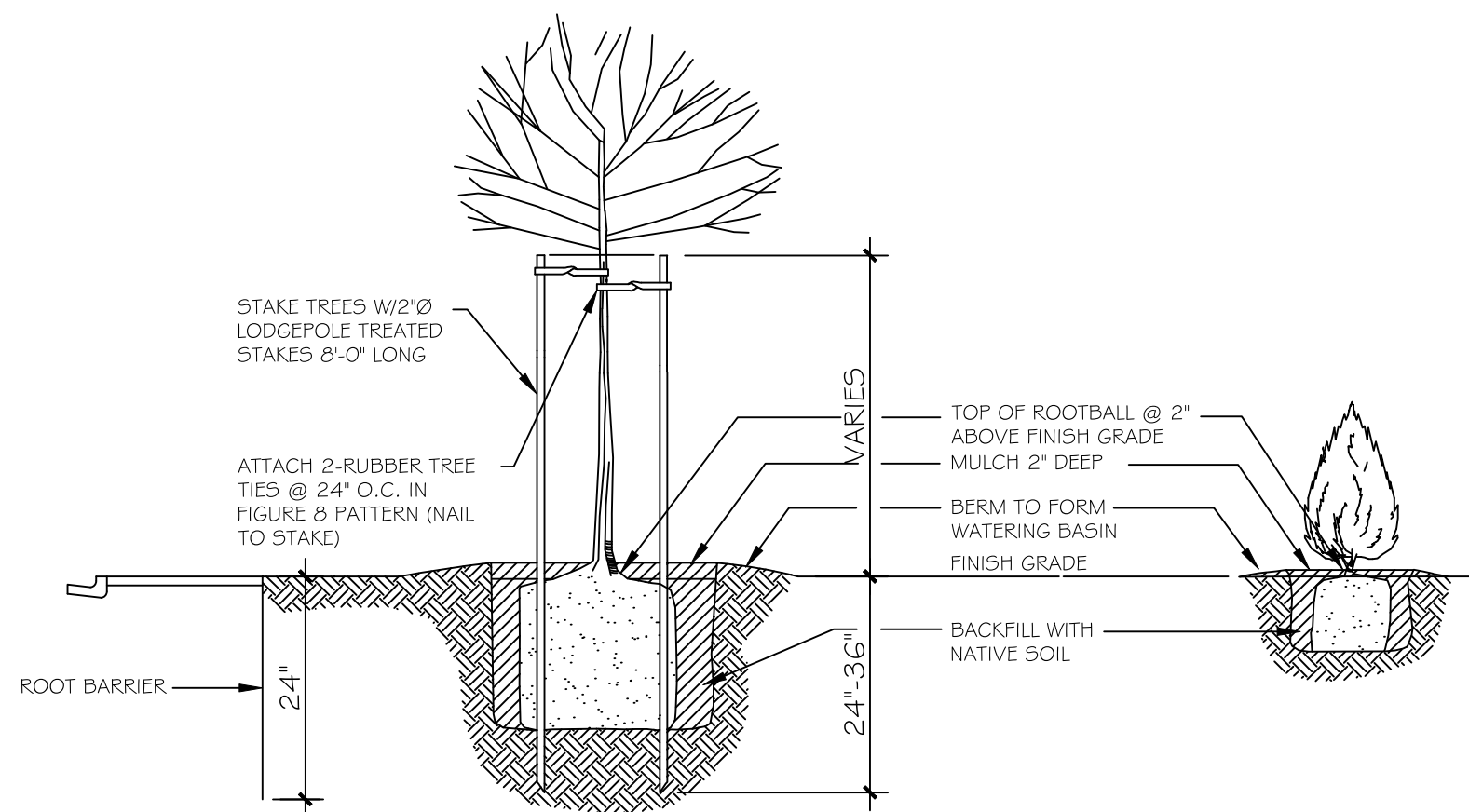
Revisions:



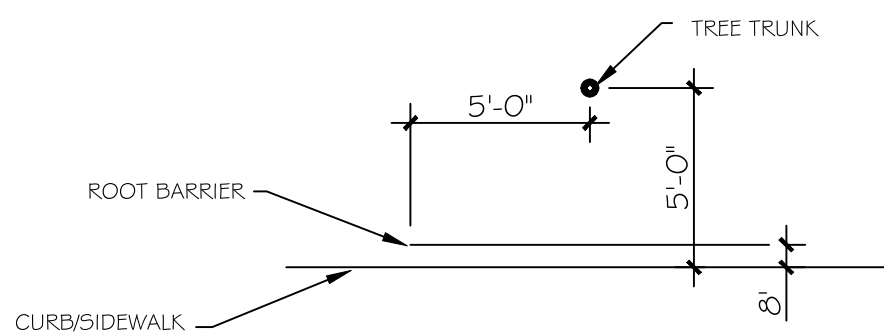
This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

Sheet Number:

L2
Of 3 Sheets

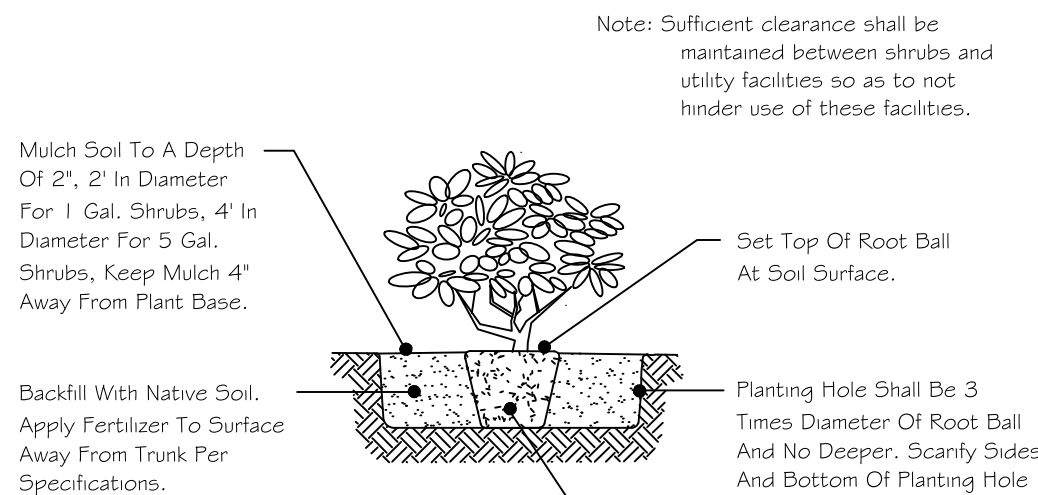


1 PLANTING AND STAKING W/ROOT BARRIER
INSTALLATION DETAIL NO SCALE

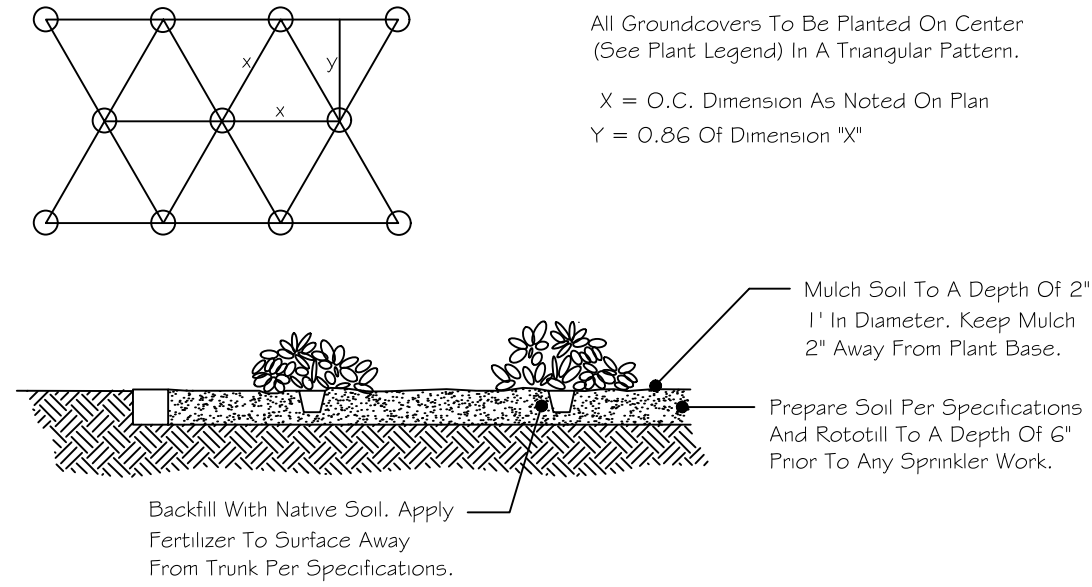


NOTE:
1. INSTALL ROOT BARRIERS PER DETAIL UNLESS OTHERWISE NOTED.
2. INSTALL A CONTINUOUS ROLL OF ROOT BARRIER (24\"/>

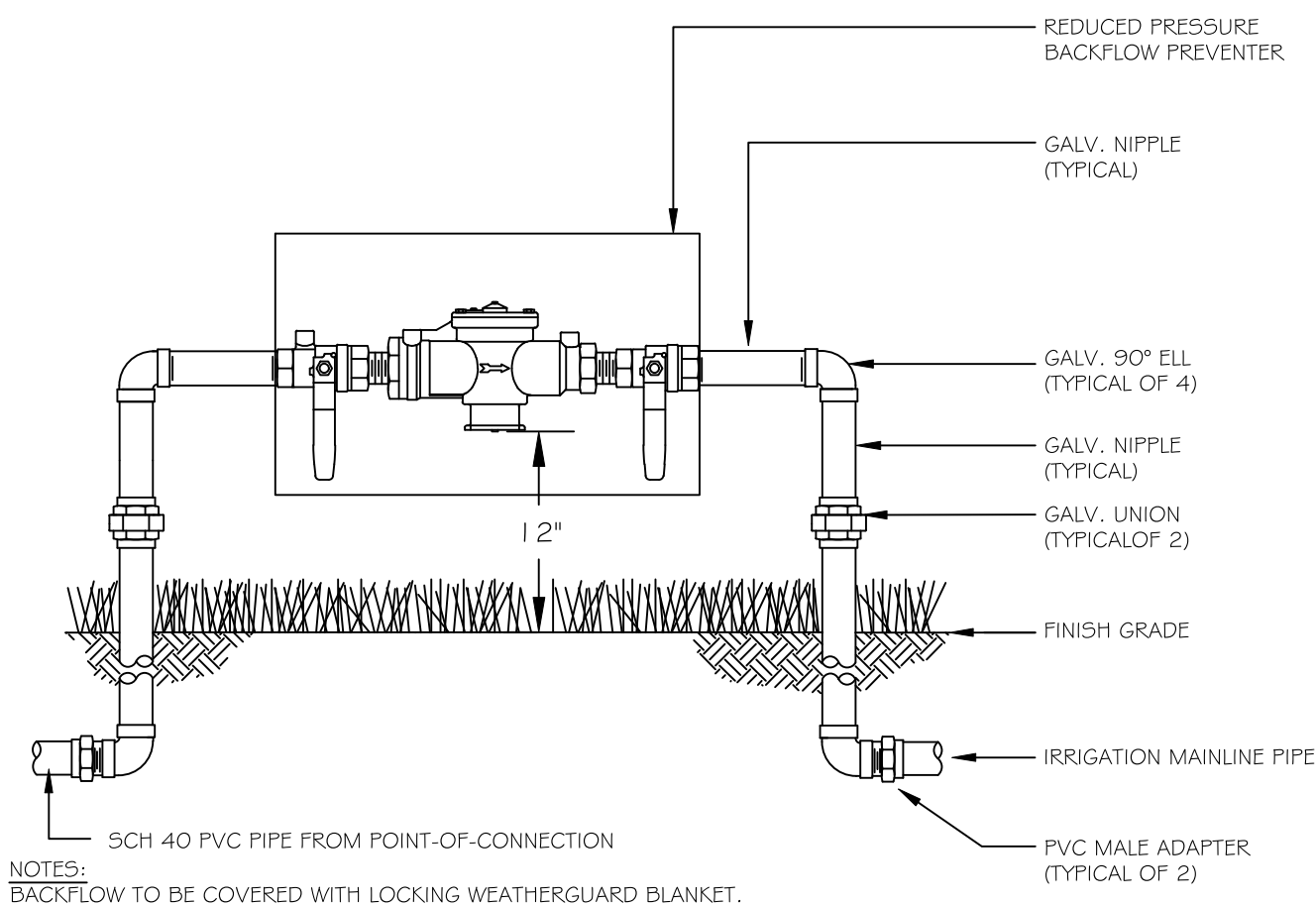
2 ROOTBARRIER
INSTALLATION DETAIL NO SCALE



3 SHRUB PLANTING
INSTALLATION DETAIL NO SCALE

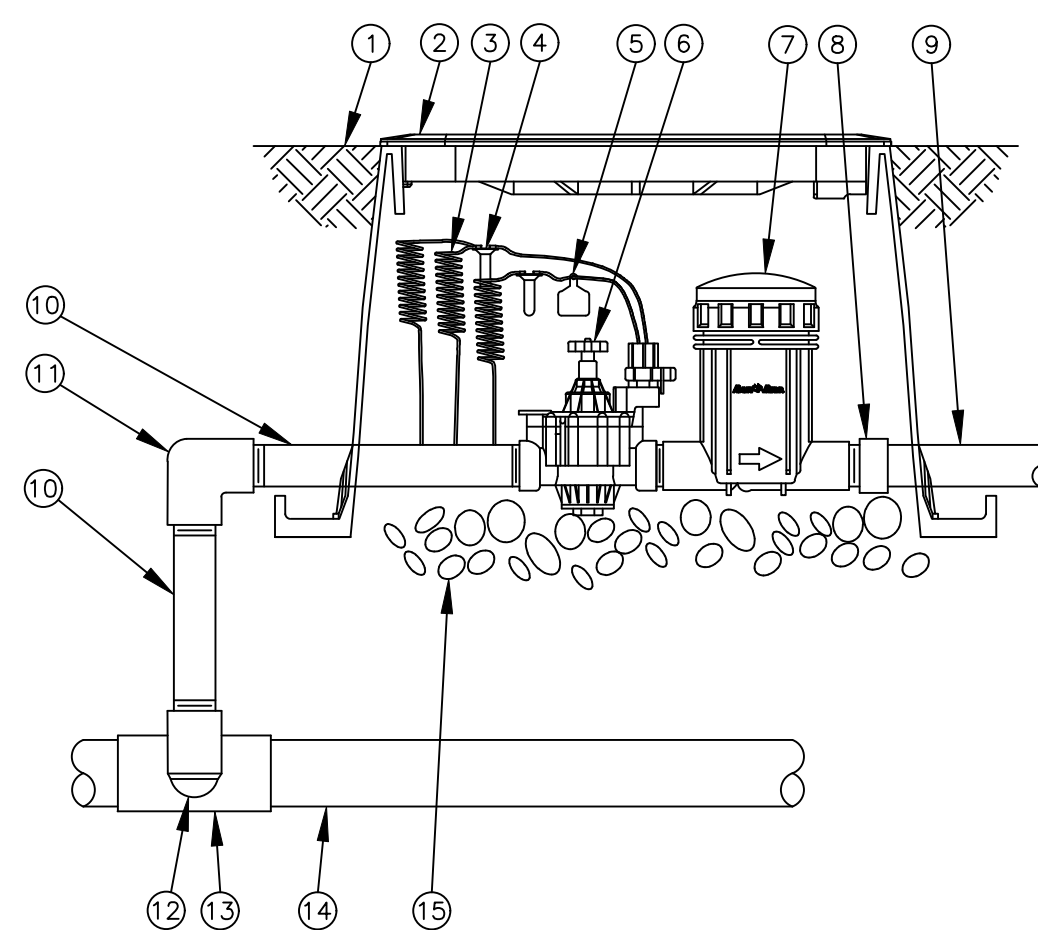


4 GROUNDCOVER PLANTING
INSTALLATION DETAIL NO SCALE

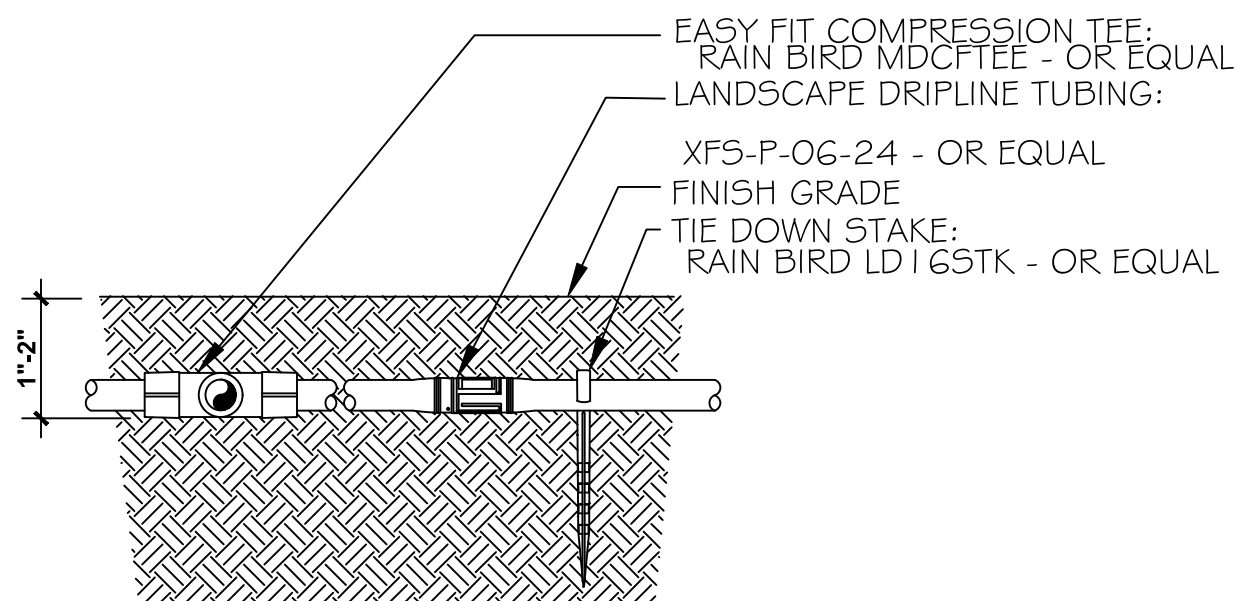


NOTES:
BACKFLOW TO BE COVERED WITH LOCKING WEATHERGUARD BLANKET.

5 REDUCED PRESSURE BACKFLOW
INSTALLATION DETAIL NO SCALE

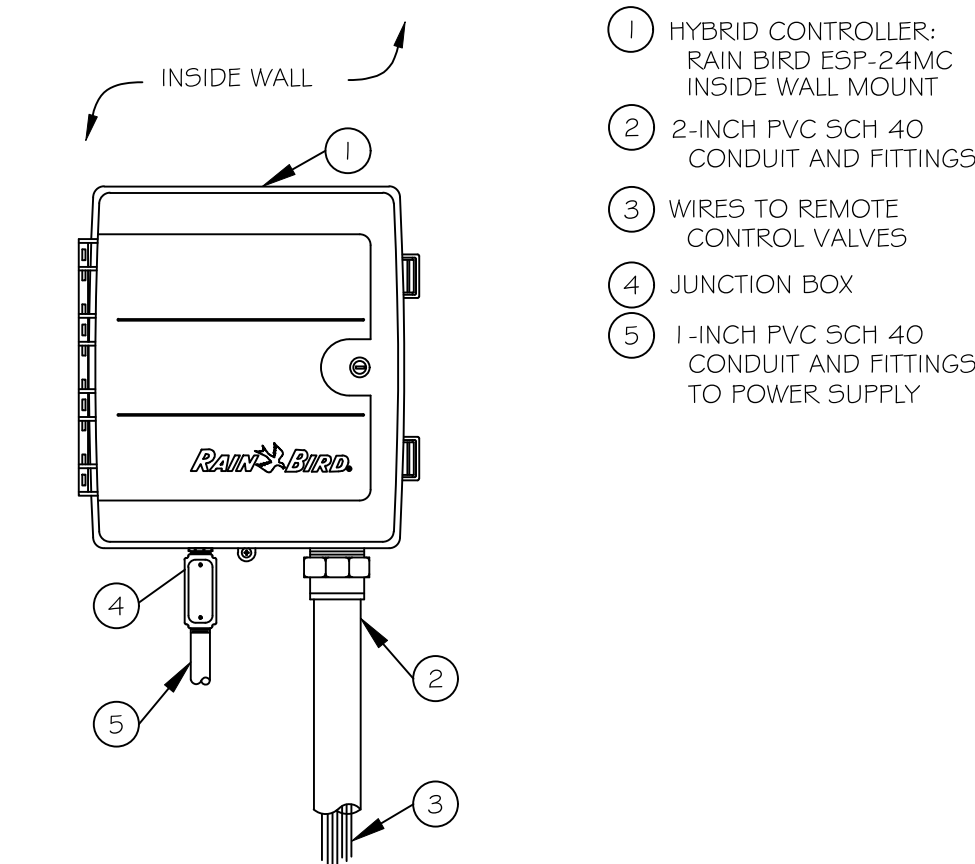


6 CONTROL ZONE KIT
INSTALLATION DETAIL NO SCALE

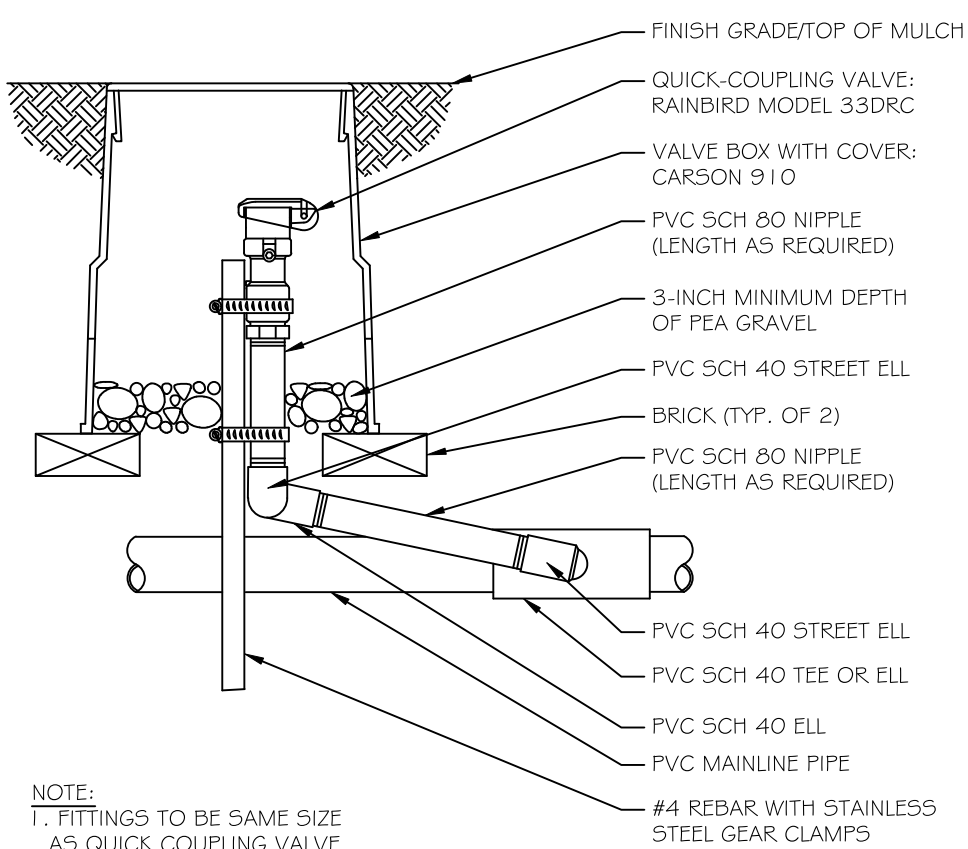


NOTE(S):
IF PUTTING LANDSCAPE DRIPLINE UNDER SOIL, DO NOT BURY MORE THAN 2" BELOW GRADE AND INCLUDE AIR RELIEF VALVE (SEE DRAWING- "AIR RELIEF VALVE KIT-AR VALVE KIT").

7 LANDSCAPE DRIPLINE - BELOW GRADE
INSTALLATION DETAIL NO SCALE

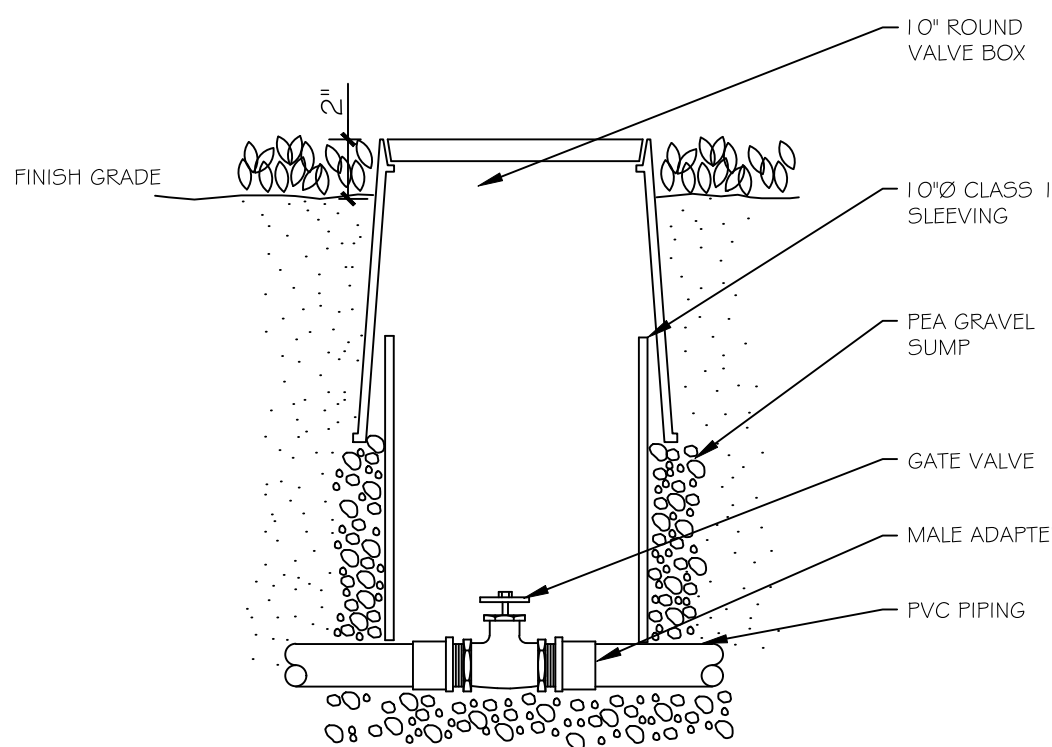


8 AUTOMATIC IRRIGATION CONTROLLER
INSTALLATION DETAIL NO SCALE

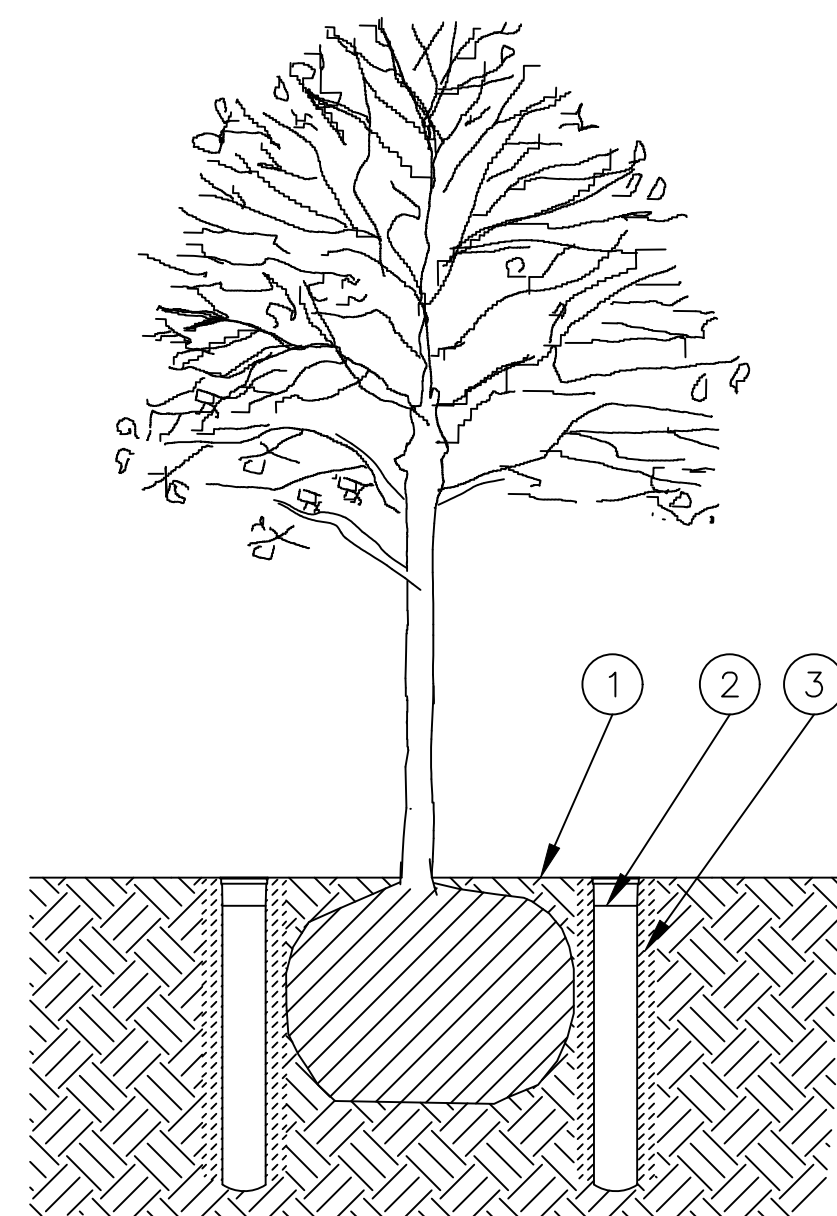


NOTE:
1. FITTINGS TO BE SAME SIZE AS QUICK COUPLING VALVE.

9 QUICK COUPLING
INSTALLATION DETAIL NO SCALE



10 GATE VALVE
INSTALLATION DETAIL NO SCALE



NOTE:
POSITION UNITS EVENLY SPACED AROUND ROOT BALL. INSTALL PRODUCT WITH TOP EVEN WITH GROUND SURFACE.

11 ROOT WATERING SYSTEM
INSTALLATION DETAIL NO SCALE