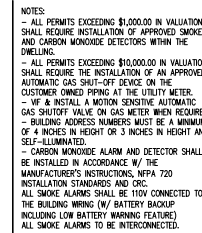


PLANS SHALL BE IN COMPLIANCE WITH:

REVISIONS

Y



OWNER:		MR. ALEXANDER LUBBY	408 309 8869
PROJECT DATA			
OCCUPANCY:		6 - 3 / U	
CONSTRUCTION TYPE:		YES	
FIRE SPRINKLERS:		V-B	
STORIES:		2 + GARAGE	
APR:		532-26-098	
FLOOR ZONE:		D	
ZONING:		R-1	
NET AREA:		67,250-sq-ft	
(N) GARAGE:		3,517 SF	
(N) 1ST FLOOR:		2,907 SF	
(N) 2ND FLOOR:		2,807 SF	
(N) 1ST FLOOR DECK:		178 SF	
(N) 1ST FLOOR REAR DECK:		523 SF	
(N) 2ND FLOOR DECKS:		448 SF	
(N) TOTAL CONDITIONED SPACE:		5,834 SF	
(N) FOOTPRINT REAR DECK & 1ST FL.74,925SF			
8 ENT. PORCH 30' ABOVE			
(N) LOADING DOCK:		7.3 SF	
(N) FAR:		8.8 SF	
SCOPE OF WORK			
NEW 5.834 SF HOME WITH A 3,517 SF GARAGE.			
NEW DRIVEWAY			
NEW SEPTIC SYSTEM			

PROJECT FOR
ALEX LUBIV
16391 AZTEC RIDGE DR.,
LOS GATOS, CA, 95030

NATALIA AMATUNI
n.amatuni@gmail.com
408 4200411

PROJECT NO.

DATE

A 1 OF

SHEET NUMBER

1. LIMIT SITE GRADING TO DRIVEWAY, GARAGE & UNDER HOUSE AREA.
2. CONSTRUCT DRIVEWAY APPROACH TO CONTAIN STREET & GUTTER FLOW
3. NO TREES TO BE REMOVED WITHOUT APPROVAL


- - - - - PROPERTY LINE
 - - - - - SETBACK LINE
 - - - - - NEW & EXISTING
 - - - - - STRUCTURE

[R] -EXISTING TREE TO BE REMOVED

 Electric Vault

1 ——— X 6' Wooden fence

Mail box

 **Sewer manhole**

 Fire hydrant

Downspout
Water line

s — Main building 4" Sanitary Sewer line

CO **Clean Out**



RAIN GARDEN/ WATER RETENTION
LANDSCAPING

 Utility pole

VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY, GC TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.

NOTE:

AZTEC RIDGE DRIVE IS NOT A COUNTY MAINTAINED ROAD.

GC TO MAINTAIN ADJOINING STREETS FREE AND CLEAN OF PROJECT DIRT, MUD, MATERIAL AND DEBRIS DURING CONSTRUCTION PERIOD, AND MAINTAIN FIRE TRUCK ACCESS TO OTHER PROPERTIES.

GC TO INSTALL STRAW WATTLE AS NEEDED DURING CONSTRUCTION TO PREVENT RUNOFFS ON ADJACENT SITES, AND PUBLIC RIGHT OF WAY.

WHEN NEW FOUNDATIONS ARE NEEDED FOR THE PROJECT, AT THE TIME OF FOUNDATION INSPECTION IF REQUIRED BY CITY INSPECTOR, CORNER STAKES OR OFFSET STAKES MUST BE ESTABLISHED BY A LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA AND VERIFIED BY THE FIELD INSPECTOR TO ENSURE THAT NEW STRUCTURE CONSTRUCTION IS LOCATED IN ACCORDANCE WITH THE APPROVED PLANS, AND DOES NOT ENCROACH IN THE SETBACK.

ALL NEW ROOF DRAINAGE WILL BE DIRECTED TO LANDSCAPED AREAS TO THE EXTENT FEASIBLE AND NOT ONTO ADJACENT PROPERTIES. SEE CIVIL PLAN.

DRIVEWAY SHALL BE MADE OF AN "ALL WEATHER" MATERIAL CAPABLE OF HOLDING 75,000 POUNDS.

1.50± ACRES

BY

PROJECT FOR
ALEX LUBIVY
116391 AZTEC RIDGE DR.,
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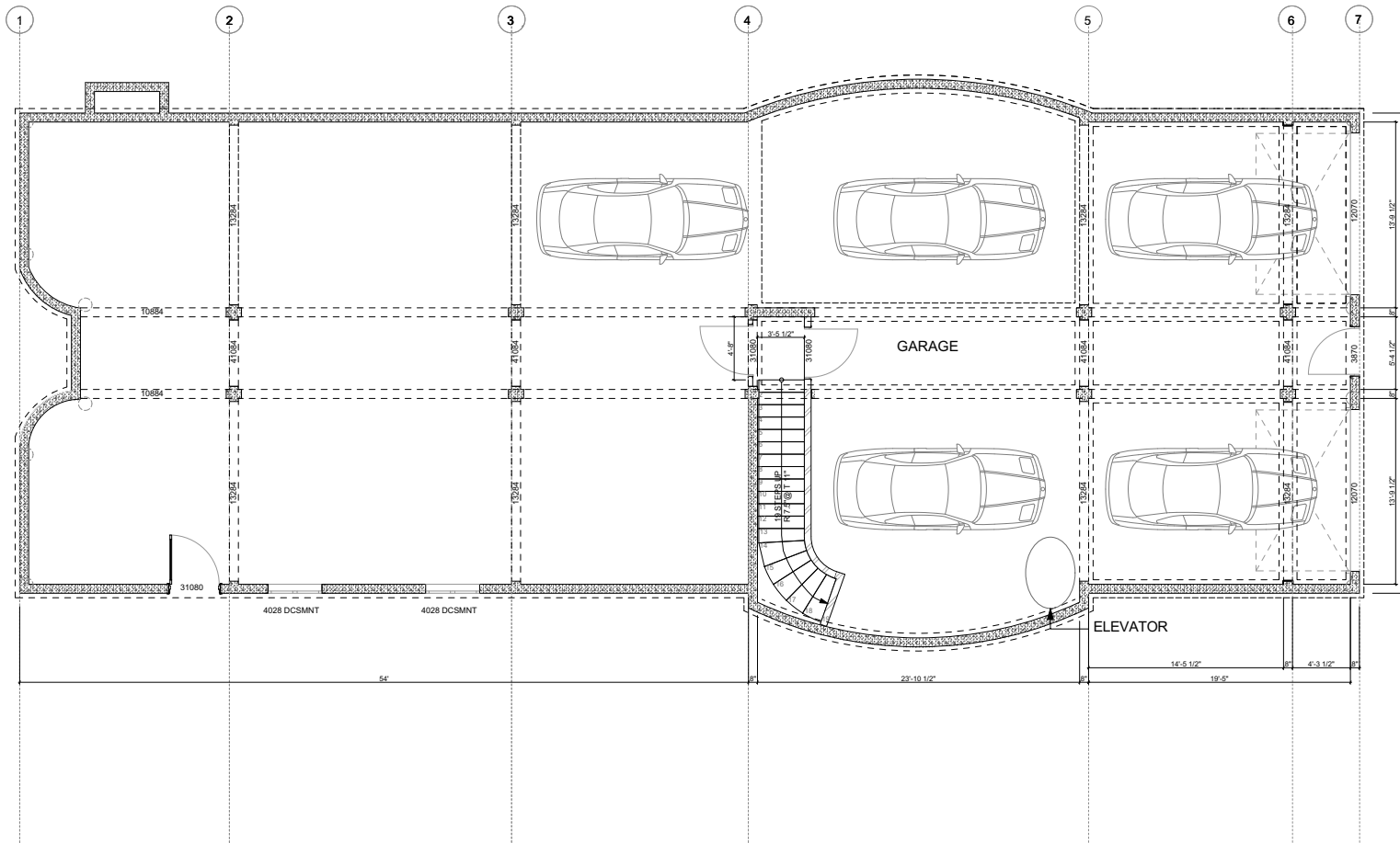
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PLOT PLAN
1/ 16"=1'0"



GARAGE FLOOR PLAN
1/4"=1'0"

REVISIONS

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PROJECT FOR
 ALEX LUBIVY
 16391 AZTEC RIDGE DR.,
 LOS GATOS, CA, 95030

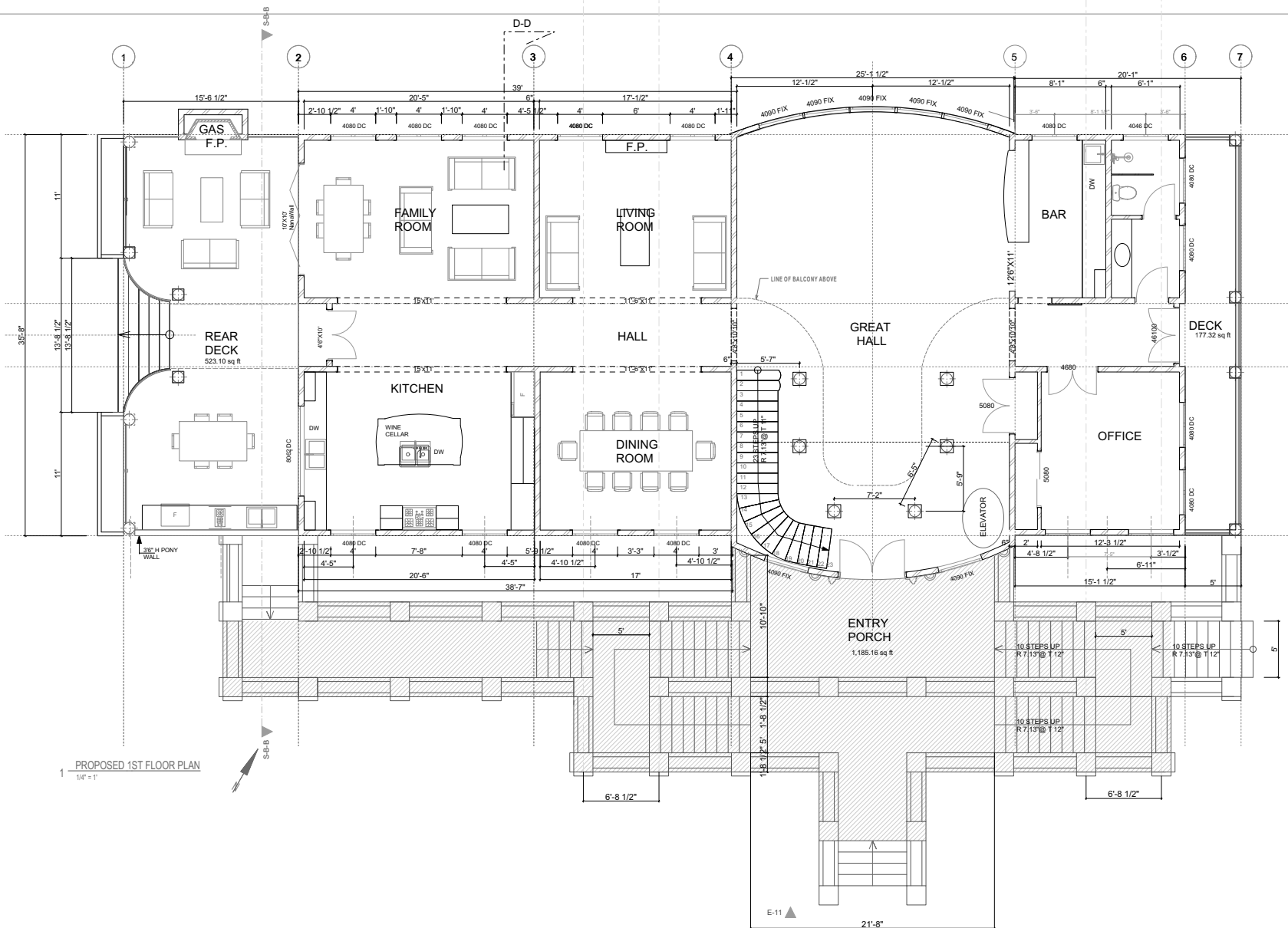
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1 PROPOSED 1ST FLOOR PLAN
1/4" = 1'

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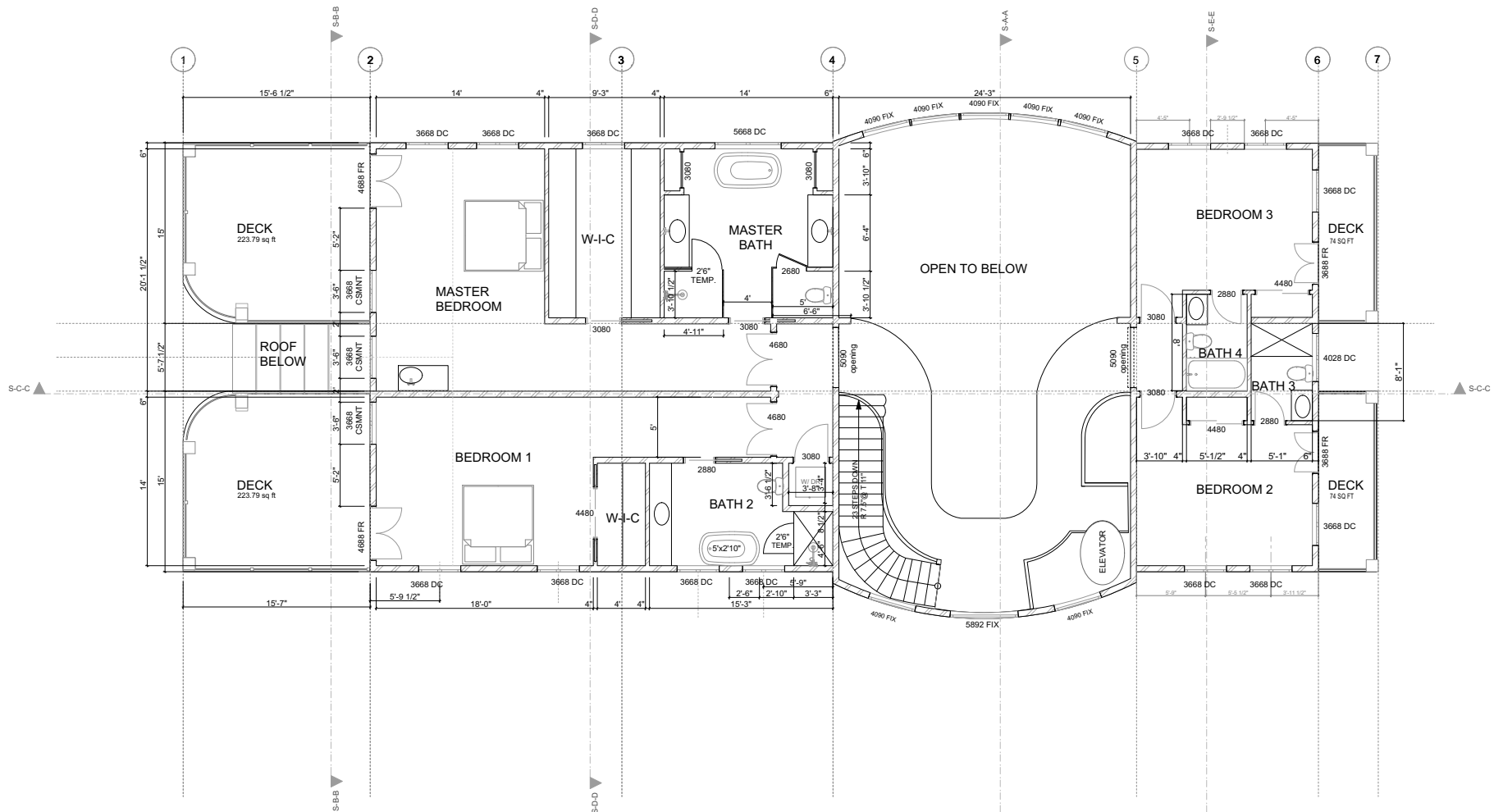
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SECOND FLOOR
1/4"=1'0"

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DATE

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Under Eave FOR W.U.I.(SFM Standard 12-7A-3)

•Company Name: BARRIER TECHNOLOGY CORP.

510 4th Street North, Watkins, MN 55389

Product Description: BlazeGuard® sheathing with Pyrotite bonded to 1/2" CDX plywood, 3/8", 15/32", 1/2", 5/8" or 3/4" thickness, panel size 4'x8'.

•Company Name: BARRIER TECHNOLOGY CORP.

510 4th Street North, Watkins, MN 55389

Product Description: BlazeGuard® sheathing with Pyrotite bonded to 7/16" oriented strand board (OSB), 3/8", 15/32", 1/2", 5/8" or 3/4" thickness, panel size 4'x8'.

•Company Name: BODYGUARD WOOD PRODUCTS

5485 NW Osprey Place, Portland, OR 97229

Product Description: "Bodyguard® #807" tongue and groove, pressure treated pine, minimum 9/16" thick x 3-1/4" wide (nominal 5/8" x 4"), installed over 1/2" regular gypsum board.

26

•Company Name: BODYGUARD WOOD PRODUCTS

5485 NW Osprey Place, Portland, OR 97229

Product Description: "Bodyguard® #802" tongue and groove, pressure treated pine, minimum 3/4" thick x 5-7/16" wide (nominal 1" x 6"), installed over 1/2" regular gypsum board.

•Company Name: BODYGUARD WOOD PRODUCTS

5485 NW Osprey Place, Portland, OR 97229

Product Description: Bodyguard® "V-Rustic" Pattern Number 793, 794 and 795, preservative treated pine, minimum 1/2" thick x 6" wide (or wider) dimensions, installed over 1/2" regular gypsum board.

•Company Name: JAMES HARDIE BUILDING PRODUCTS, INC.

10901 Elm Avenue, Fontana, CA 92337

Product Description: "CemSoffit®" un-vented, fiber-cement soffit, 3/16" thick and 1/2" thick.

•Company Name: JAMES HARDIE BUILDING PRODUCTS, INC.

10901 Elm Avenue, Fontana, CA 92337

Product Description: "HardieSoffit®" un-vented, fiber-cement soffit, 3/16" thick and 1/2" thick.



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

LISTING SERVICE



LISTING No. 8165-2192-0100
CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE: Vulcan Technologies580 Irwin Street, Suite 1, San Rafael, CA 94901
Contact: John Simontacchi (415) 459-6488 Fax (415) 459-4055
Email: john@fireline.com
DESIGN: Vulcan Technologies
Model VFS414 (4"X14"), VFS814 (8"X14"), VFS814 (8"X14") foundation vent.
Model VSC120 (3.5"X22"), VE 9522 (5.5"X22"), 7522 (7.5"X22") Soffit/Eave vent.
*Model VSC120 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
Fluorescent 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: Listee 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).

Page 1 of 1

LISTING No. 8165-2232-0500
CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE: BrandGuard Vents1001 Avenida Pico, Suite C #221, San Clemente, CA 92673
Contact: Kelly Berkomper (949) 481-5300
Email: kellyberkomper@yahooc.com
DESIGN: BrandGuard Vents Model UE 3011 (22"X3.5"), UE 3021 (14"X3.5") UE 3031 (14"X3"), UE 3041 (22"X3"), UE 3051 (22"X3.5"), CS 3011 (120"X3"), CS 3021 (120"X3.5"), Underseal/Soffit Vent constructed of 26 gauge, hot dipped, galvanized sheet steel with phosphatized coating, galvanized 1/8" square mesh screen.
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: Listee 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) for vertical and horizontal installation only.
LISTING No. 8165-2214-0100
CATEGORY: 8165 -- VENTS FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE: Embers Out LLC21520 Yorba Linda Blvd., Suite G 530, Yorba Linda, CA 92687
Contact: George St
3-3489 Fax (714) 779-3501
Email: gst105@yah
DESIGN: Embers Out Elite
Model E1212N80 (12"X12"), E1218N124 (12"X18"), E1224N168 (12"X24"), E1414N110 (14"X14"), E1418N145 (14"X18"), E1424N187 (14"X24"), E1430N249 (14"X30") exterior vent.
Aluminum or Stainless Steel
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: Listee 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) for vertical installation only.
NOTE: This listing is considered an alternate method of compliance with 706A, 2013 CBC. Alternate Methods of Compliance are listed as a one time listing only.

Page 1 of 1

NEW ROOF: IB ROOF SYSTEM PVC MEMBRANE

ROOF PLAN
1/4"=1'0"

NOTE 1:
ROOF GUTTERS SHALL BE PROVIDED WITH GUTTER SCREENS TO PREVENT THE ACCUMULATION OF LEAVES AND DEBRIS IN THE GUTTER.

LEGEND:
DS DOWNSPOUT. SEE N.12/ A1

REVISIONS

BY

PROJECT FOR
ALEX LUBIVY
16391 AZTEC RIDGE DR.,
LOS GATOS, CA, 95030

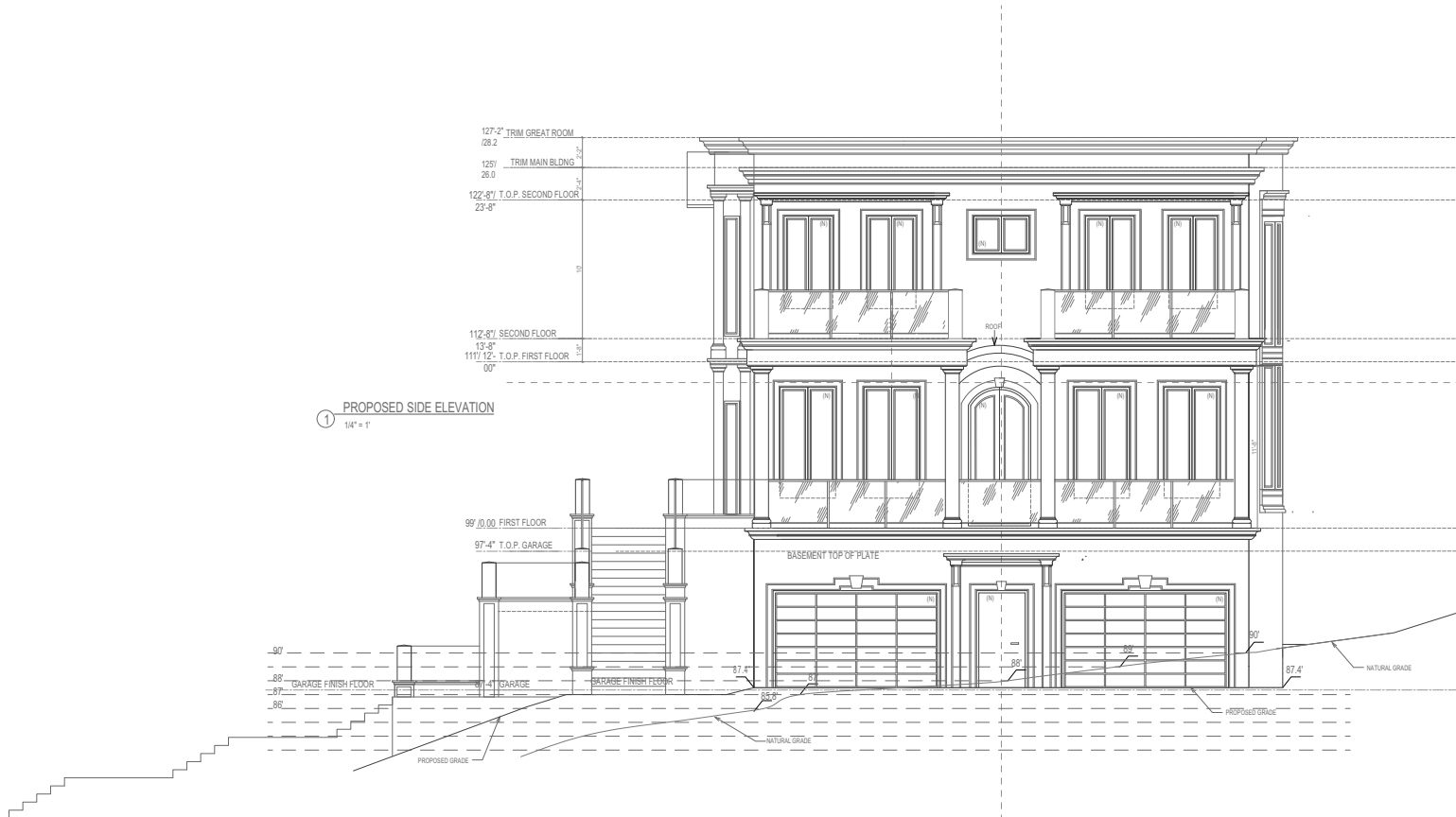
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1 PROPOSED SIDE ELEVATION
1/4"=1'

PROPOSED EAST ELEVATIONS
1/4"=1'0"

THE NFRC LABEL WHICH STATES THE REQUIRED U-VALUE AND SHGC FOR ALL FENESTRATION PRODUCTS SHALL NOT BE REMOVED PRIOR TO INSPECTION OR REMOVAL BY A BUILDING INSPECTOR, AND SHALL REFLECT THE VALUES LISTED IN THE ENERGY REPORT. (2016 CRC R308.1)

THIS HABITABLE SPACE WILL BE PROVIDED WITH A HEATING SYSTEM CAPABLE OF MAINTAINING A MINIMUM INDOOR TEMPERATURE 68F AT A POINT 3' ABOVE THE FLOOR AND 2' FROM EXTERIOR WALLS IN ALL NEW HABITABLE ROOMS AT THE DESIGN TEMPERATURE. (2016 CRC R303.9)

ADDITIONS, ALTERATIONS OR IMPROVEMENTS REQUIRE NON-COMPLIANT PLUMBING FIXTURES WITHIN THE RESIDENCE BE REPLACED WITH WATER CONSERVING PLUMBING FIXTURES. COPY OF THE "WATER CONSERVING PLUMBING FIXTURES- CERTIFICATE OF COMPLIANCE " CAN BE FOUND AT THE BUILDING AND SAFETY DIVISION, CIVIL CODE 1101.4.

TYP. ROOF AT SLOPED CEILINGS

COMPOSITION SHINGLES (CLASS "A" FIRE RATING) O/ 30 LB.
BUILDING PAPER O/ 1/2" CDX
PLYWOOD O/2X8 RAFTERS
D.F.N.O.2 W/ R-38 INSULATION& 1" MINIMUM VENTED AIR SPACE O/1 PERM MINIMUM VAPOR BARRIER O/ 5/8" TYPE "X" GYPSUM BOARD CEILING.

TYP. ROOF AT FLAT CEILINGS

COMPOSITION SHINGLES (CLASS "A" FIRE RATING) O/ 30 LB.
BUILDING PAPER O/ 1/2" CDX
PLYWOOD O/2X8 RAFTERS
D.F.N.O.2 O/ VENTILATED ATTIC O/ 2X8 CEILING JOISTS W/ R-38 INSULATION& 1" MINIMUM VENTED AIR SPACE O/1 PERM MINIMUM VAPOR BARRIER O/ 5/8" GYPSUM BOARD CEILING.

TYP. NEW WALL

7/8" STUCCO (3 COATS) O/ 2 LAYERS GRADE "D" BLDG. PAPER O/5/8" CLASS" X" GYPSUM SHEATING
O/ 2X6 @ 16"O.C. STUDS
W/R-15 INSUL
O/ 1/2" GYPSUM BOARD

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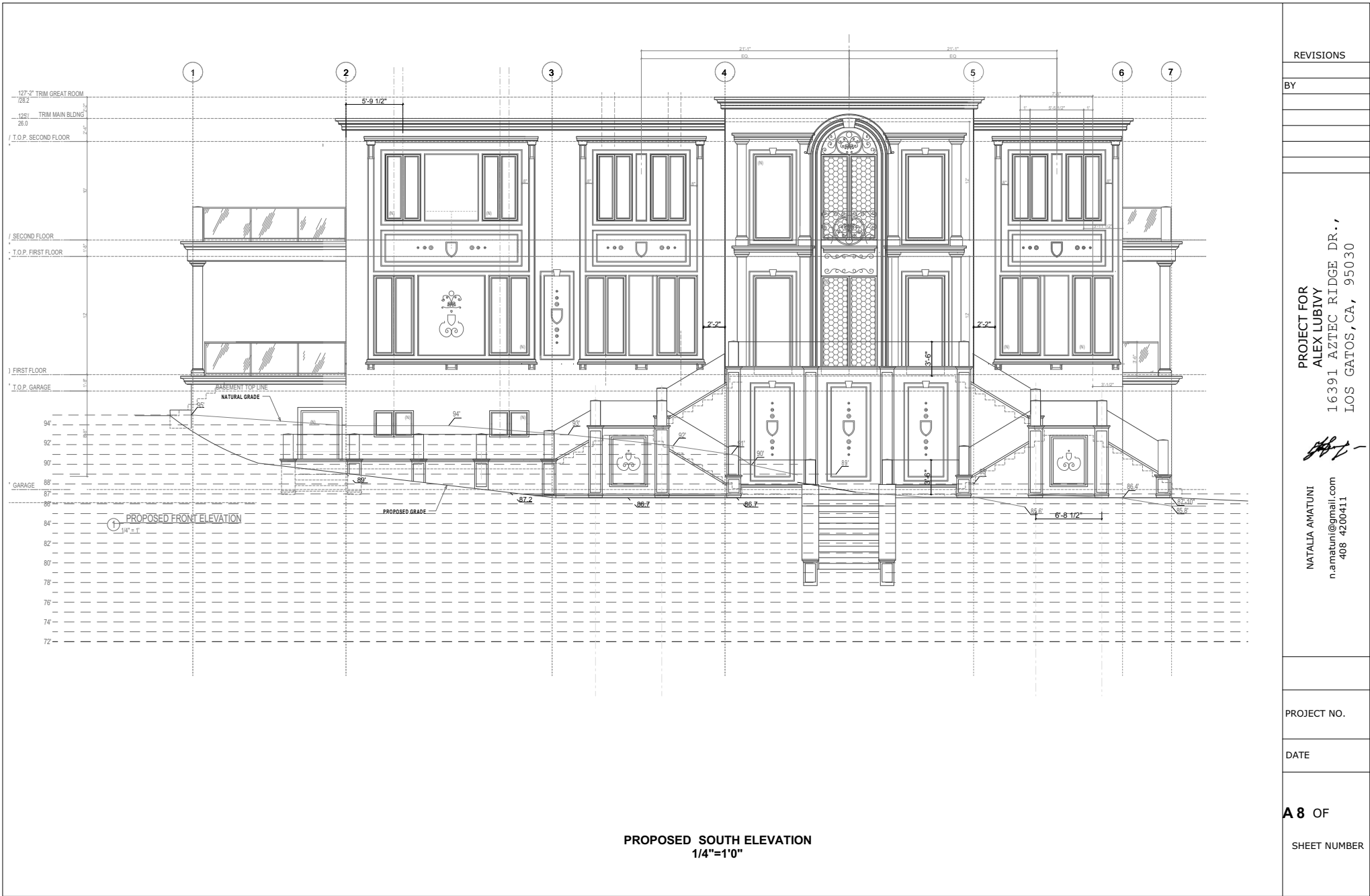
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NATALIA AMATUNI n.amatuni@gmail.com 408 4200411	
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PROPOSED WEST ELEVATIONS
1/4"=1'0"

REVISIONS

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 16391 AZTEC RIDGE DR.,
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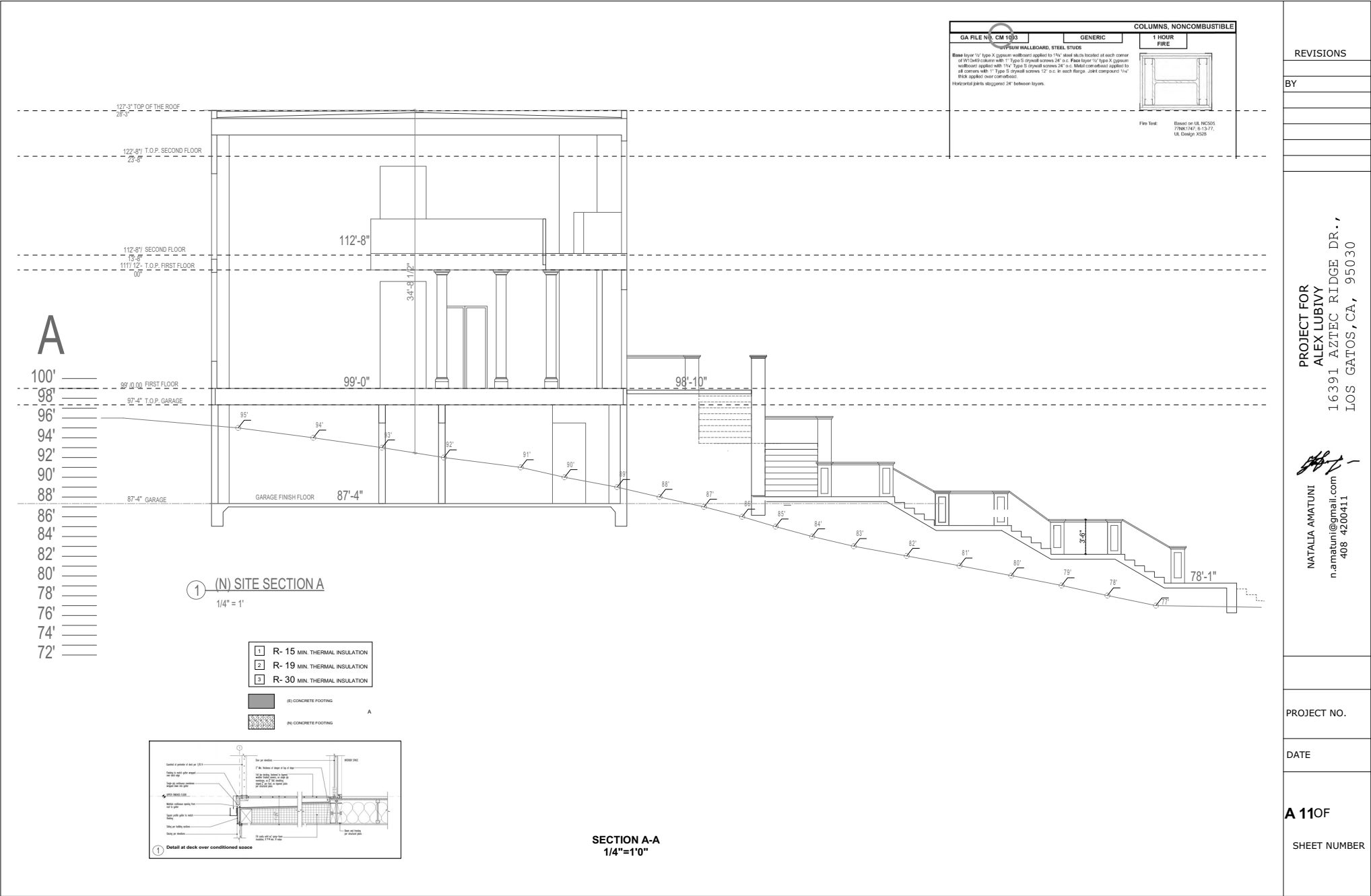
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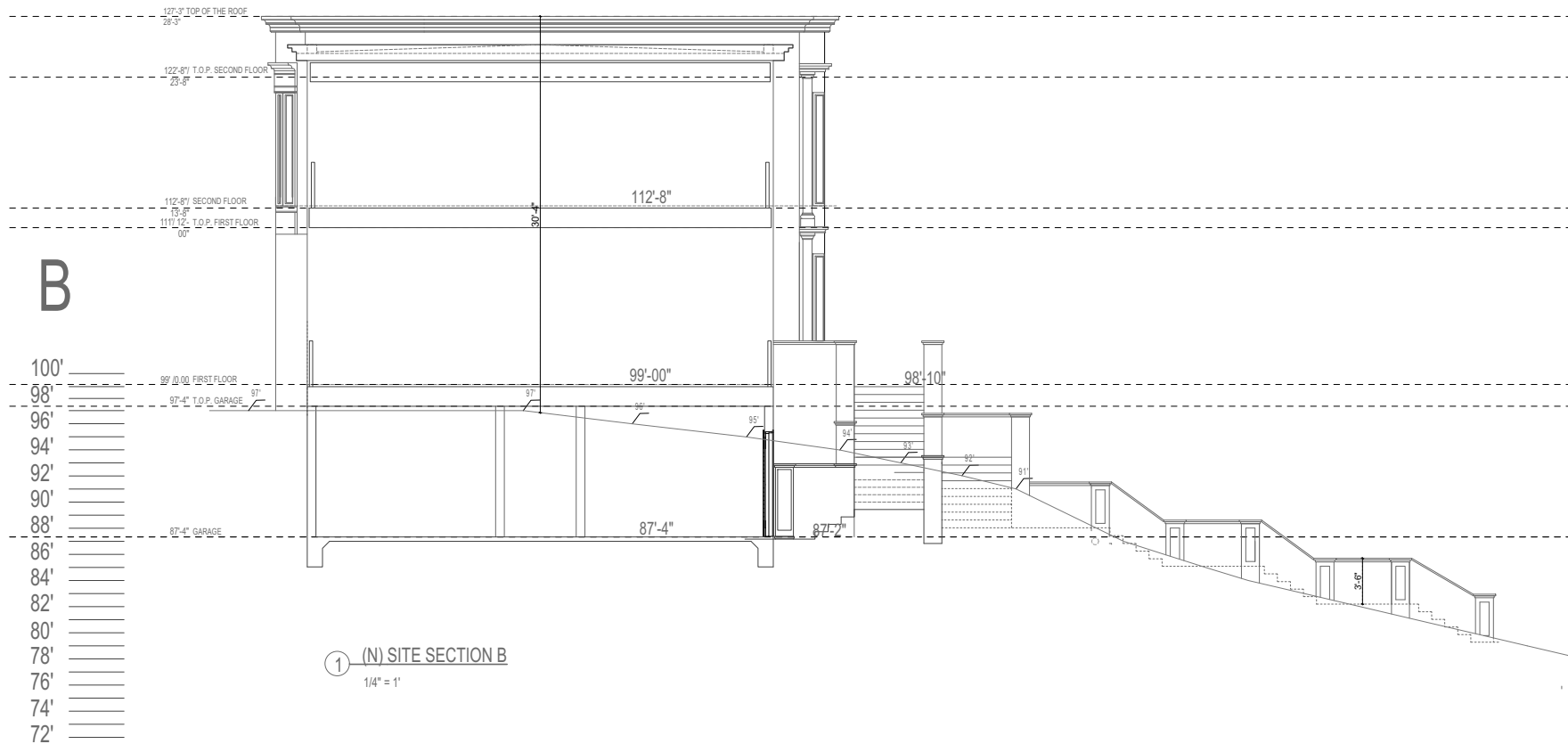
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1 (N) SITE SECTION B
1/4" = 1'

STAIRWAY AND GUARD RAIL NOTES:

STAIRWAY SHALL BE NOT LESS THAN 36" IN WIDTH.
RISERS SHALL BE NO GREATER THAN 7 3/4".
TREADS SHALL BE MIN. 10" FROM NOBING TO NOBING.
A NOBING MEASURING 3/4" MIN TO 1 1/4" MAX
REQUIRED ON STAIRS WHERE TREAD DEPTH IS
LESS THAN 11".
MIN. HEADROOM CLEARANCE IS 8'0".

OPENINGS FOR REQUIRED GUARDS ON THE SIDES
OF STAIRS BETWEEN BALUSTERS OR BETWEEN
POST AND BALUSTERS SHALL NOT ALLOW A 4"
DIAMETER SPHERE TO PASS THROUGH.

THE SPACE BETWEEN THE FINISHED FLOOR AND
THE BOTTOM RAIL MUST NOT EXCEED 4 INCHES.

THE BALUSTRADE MUST BE ABLE TO WITHSTAND
200 POUNDS OF FORCE OF PRESSURE AT ANY
POINT.

THE MINIMUM BALUSTRADE HEIGHT IS 42 INCHES.

TRIM SHALL NOT REDUCE THE REQUIRED WIDTH
BY MORE THAN 3 1/2 INCHES. HANDRAILS MAY
PROJECT FROM EACH SIDE OF A STAIRWAY A
DISTANCE OF 3 1/2 INCHES INTO THEIR SQUARED
WIDTH.

PROVIDE 42" MIN. HIGH GUARD RAILS AT
BALCONIES AND PORCHES AT RIGHT GREATER
THAN 30" FINISHED GRADE WHICH IS MEASURED
AS MUCH AS 3" OUT.

SECTION B-B
1/4"=1'0"

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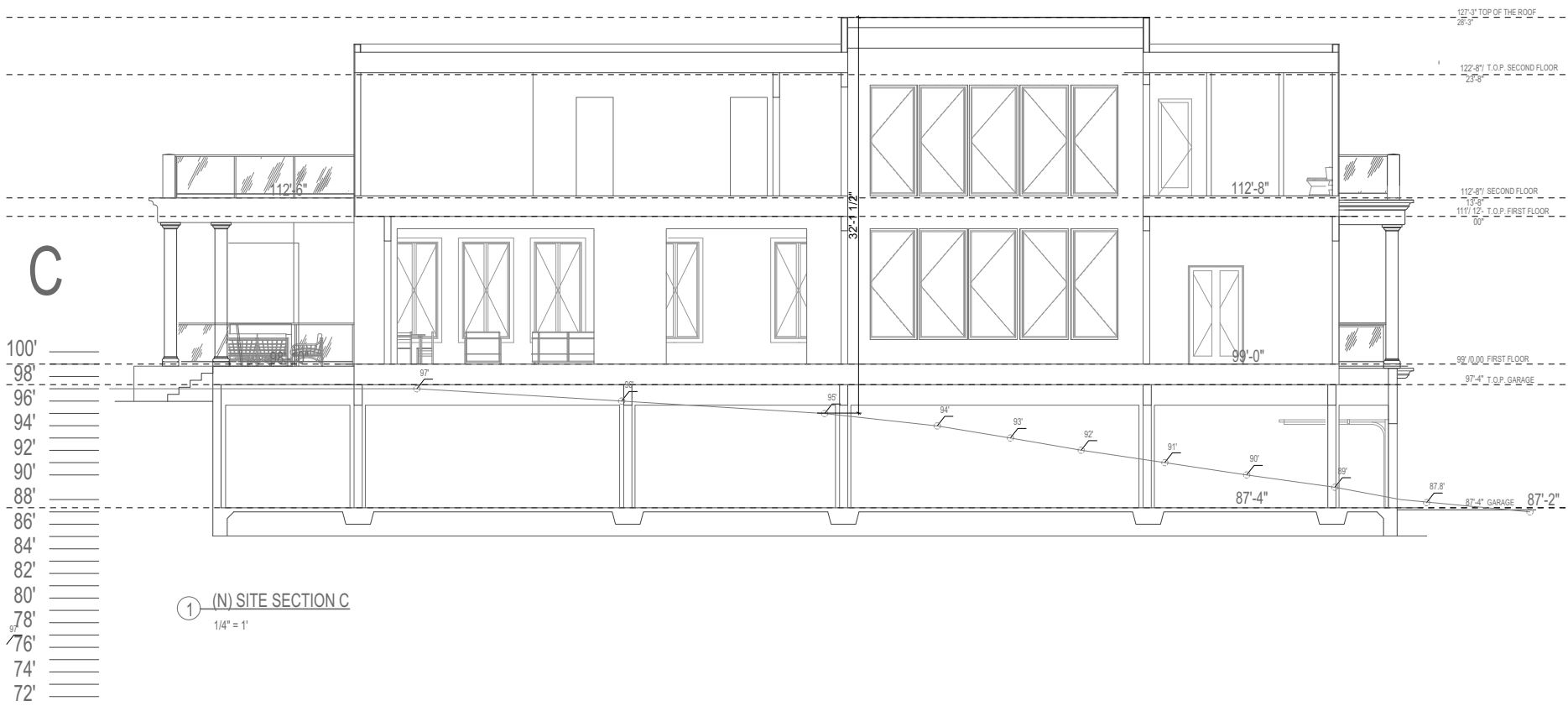
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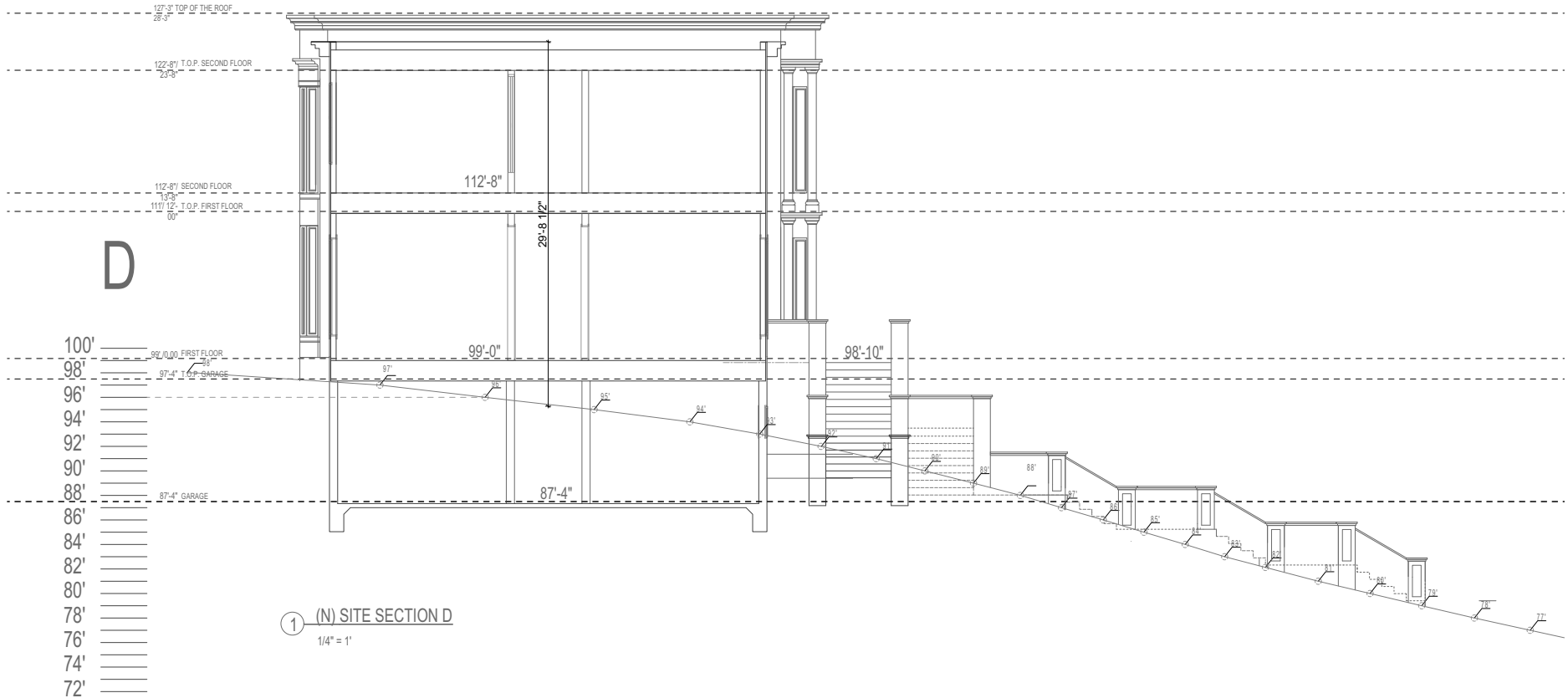
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① (N) SITE SECTION C
1/4" = 1'

SECTION C-C
1/4"=1'0"

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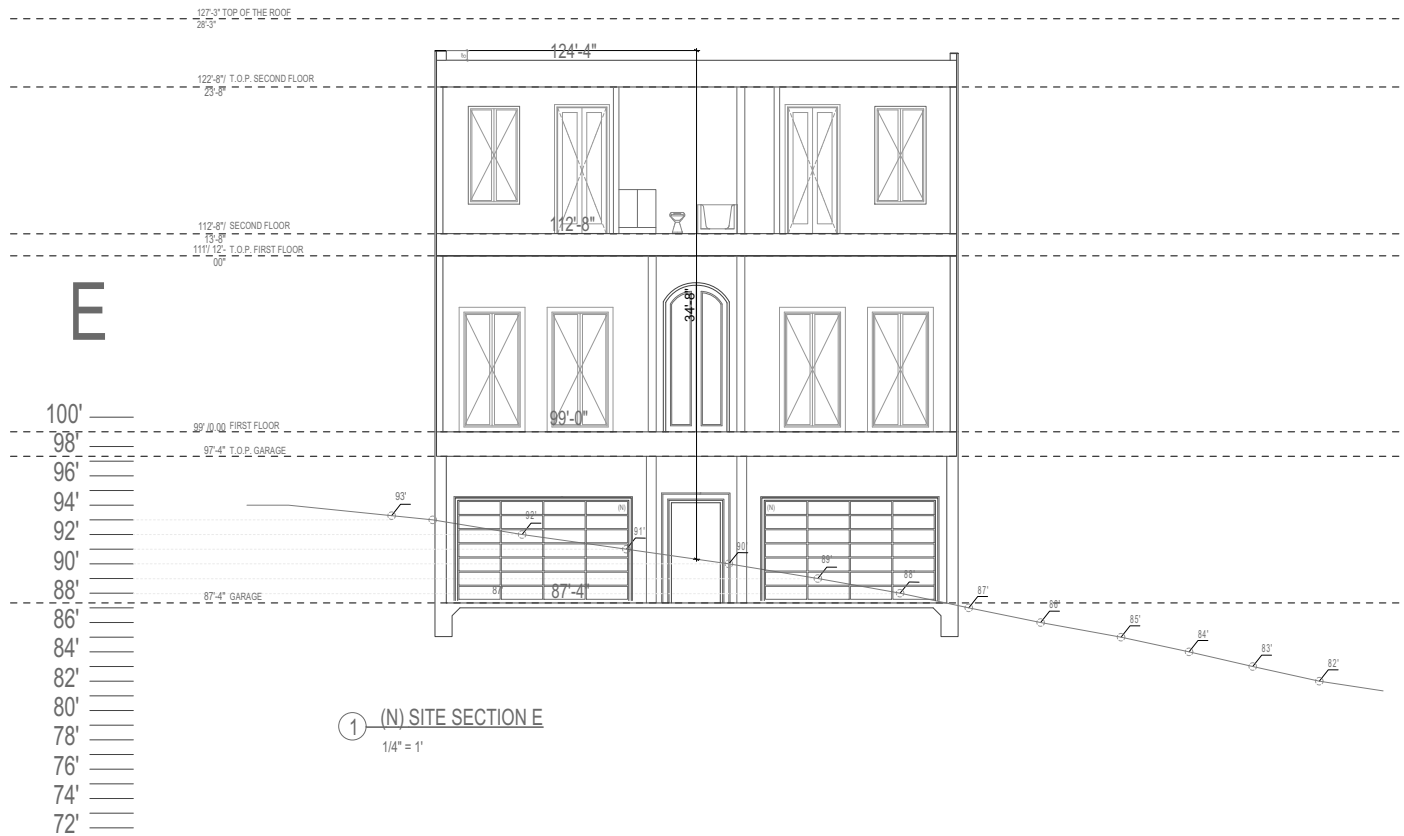
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SECTION E-E
1/4"=1'0"

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Y	=	YES
N/A	=	NOT APPLICABLE
RESPON. PARTY	=	RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)



Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (i.e. ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

CALGREEN 2019 NOTES – MANDATORY REQUIREMENTS:

1. PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF SOIL AND ARE NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT WHICH IN TOTAL DISTURBS ONE ACRE OR MORE, SHALL MANAGE STORM WATER DRAINAGE DURING CONSTRUCTION. SEE CALGREEN 4.106.2 FOR FURTHER DETAILS.

2. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS, SWALES, WATER COLLECTION AND DISPOSAL SYSTEMS, FRENCH DRAINS, WATER RETENTION GARDENS, AND OTHER MEASURES CAN BE USED. EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.

3. NEW CONSTRUCTION SHALL COMPLY WITH CALGREEN SECTION 4.106.4.1 TO FACILITATE FUTURE INSTALLATION AND USE OF EV CHARGERS. ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE, ARTICLE 625.

EXCEPTIONS:

- A. WHERE COUNTY OF SANTA CLARA HAS DETERMINED EV CHARGING AND INFRASTRUCTURE ARE NOT FEASIBLE.
- B. ACCESSORY DWELLING UNITS (ADU) AND JUNIOR ACCESSORY DWELLING UNITS (JADU) WITHOUT ADDITIONAL PARKING FACILITIES.

4. FOR EACH DWELLING UNIT, INSTALL A LISTED RACEWAY TO ACCOMMODATE A DEDICATED 208/240-VOLT BRANCH CIRCUIT. THE RACEWAY SHALL NOT BE LESS THAN TRADE SIZE 1 (NOMINAL 1-INCH INSIDE DIAMETER). THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR SUBPANEL AND SHALL TERMINATE INTO A LISTED CABINET, BOX OR OTHER ENCLOSURE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF AN EV CHARGER. RACEWAYS ARE REQUIRED TO BE CONTINUOUS AT ENCLOSED, INACCESSIBLE OR CONCEALED AREAS AND SPACES. THE SERVICE PANEL AND/OR SUBPANEL SHALL PROVIDE CAPACITY TO INSTALL A 40-AMPERE MINIMUM DEDICATED BRANCH CIRCUIT AND SPACE(S) RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE. THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE".

THE SERVICE PANEL OR SUB-PANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVER CURRENT PROTECTIVE DEVICE SPACE(S) RESERVED FOR FUTURE EV CHARGING AS "EV CAPABLE". THE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE".

5. ALL NONCOMPLIANT PLUMBING FIXTURES SHALL BE REPLACED WITH WATER-CONSERVING PLUMBING FIXTURES. PLUMBING FIXTURE REPLACEMENT IS REQUIRED PRIOR TO ISSUANCE OF A CERTIFICATE OF FINAL COMPLETION, CERTIFICATE OF OCCUPANCY, OR FINAL PERMIT APPROVAL BY BUILDING AND INSPECTION DIVISION. SEE CIVIL CODE SECTION 1101.1, ET SEQ., FOR THE DEFINITION OF A NONCOMPLIANT PLUMBING FIXTURE. TYPES OF RESIDENTIAL BUILDINGS AFFECTED AND OTHER IMPORTANT ENACTMENT DATES.

- A. THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- B. SHOWERHEADS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GALLONS PER MINUTE AT 80 PSI. SHOWERHEADS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS.
- C. WHEN A SHOWER IS SERVED BY MORE THAN ONE SHOWERHEAD, THE COMBINED FLOW RATE OF ALL SHOWER-HEADS AND/OR OTHER SHOWER OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 80 PSI, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME. A HAND-HELD SHOWER SHALL BE CONSIDERED A SHOWERHEAD.
- D. THE MAXIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT EXCEED 1.2 GALLONS PER MINUTE AT 60 PSI. THE MINIMUM FLOW RATE OF RESIDENTIAL LAVATORY FAUCETS SHALL NOT BE LESS THAN 0.8 GALLONS PER MINUTE AT 20 PSI.
- E. THE MAXIMUM FLOW RATE OF KITCHEN FAUCETS SHALL NOT EXCEED 1.8 GALLONS PER MINUTE AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTE AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTE AT 60 PSI.

6. PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1701.1 OF THE CALIFORNIA PLUMBING CODE.

7. RESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELD), WHICHEVER IS MORE STRINGENT.

8. NEWLY CONSTRUCTED RESIDENTIAL DEVELOPMENTS, WHERE DISINFECTED TERTIARY RECYCLED WATER IS AVAILABLE FROM A MUNICIPAL SOURCE TO A CONSTRUCTION SITE, MAY BE REQUIRED TO HAVE RECYCLED WATER SUPPLY SYSTEMS INSTALLED, ALLOWING THE USE OF RECYCLED WATER FOR RESIDENTIAL LANDSCAPE IRRIGATION SYSTEMS. SEE CHAPTER 15 OF THE CALIFORNIA PLUMBING CODE.

9. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS 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 A SIMILAR METHOD ACCEPTABLE TO THE COUNTY OF SANTA CLARA.

10. RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65 PERCENT OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH CALGREEN SECTION 4.408.2 OR 4.408.3.

A. A CONSTRUCTION WASTE MANAGEMENT PLAN IS PROVIDED. THE CONSTRUCTION WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE AVAILABLE DURING CONSTRUCTION FOR EXAMINATION BY THE COUNTY OF SANTA CLARA.

1. IDENTIFY THE CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.
2. SPECIFY IF CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE SORTED ON-SITE (SOURCE-SEPARATED) OR BULK MIXED (SINGLE STREAM).
3. IDENTIFY DIVERSION FACILITIES WHERE THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE TAKEN.
4. IDENTIFY CONSTRUCTION METHODS EMPLOYED TO REDUCE THE AMOUNT OF CONSTRUCTION AND DEMOLITION WASTE GENERATED.
5. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
- B. A WASTE MANAGEMENT COMPANY CAN BE UTILIZED IF APPROVED BY THE COUNTY OF SANTA CLARA. SEE CALGREEN 4.408.3 FOR FURTHER DETAILS.

11. DOCUMENTATION SHALL BE PROVIDED TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATES COMPLIANCE WITH NOTE 10.

12. AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DISC, WEB-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE COUNTY OF SANTA CLARA INCLUDES ALL OF THE REQUIRED INFORMATION, SHALL BE PLACED IN THE BUILDING. SEE CALGREEN 4.410.1 FOR DETAILS OF REQUIRED INFORMATION.

13. 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 SANTA CLARA COUNTY ORDINANCES AND BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGULATION 6, RULE 3.

14. 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 COUNTY OF SANTA CLARA TO REDUCE THE AMOUNT OF WATER, DUST AND DEBRIS, WHICH MAY ENTER THE SYSTEM.

15. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF CALGREEN TABLES 4.504.1 OR 4.504.2 AS REPRODUCED ON SHEET CG-1. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROPROP, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS, AS SPECIFIED 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 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.

16. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS AS SHOWN IN TABLE 4.504.3 SHEET CG-1. 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 NON-FLAT-HIGH GLOSS VOC LIMIT IN TABLE 4.504.3, SHEET CG-1 SHALL APPLY.

17. 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.

18. VERIFICATION OF COMPLIANCE WITH NOTES 15, 16, AND 17 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

19. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FOLLOWING:

- A. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM.
- B. CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, "STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS," VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350.)
- C. NSF/ANSI 140 AT THE GOLD LEVEL.
- D. SCIENTIFIC CERTIFICATIONS SYSTEMS INDOOR ADVANTAGE GOLD.

ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL PROGRAM. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 4.504.1, SHEET CG-1.

20. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING SHALL COMPLY WITH ONE OR MORE OF THE FOLLOWING:

- A. PRODUCTS COMPLIANT WITH 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 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350), CERTIFIED AS A CHPS LOW-EMITTING MATERIAL. IN THE COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) HIGH PERFORMANCE PRODUCTS DATABASE.
- B. PRODUCTS CERTIFIED UNDER UL GREENGUARD GOLD (FORMERLY THE GREENGUARD CHILDREN & SCHOOLS PROGRAM).
- C. CERTIFICATION UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSORE PROGRAM.
- D. MEET 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 1.1, FEBRUARY 2010 (ALSO KNOWN AS SPECIFICATION 01350).

21. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN TABLE 4.504.5 SHEET CG-1.

22. VERIFICATION OF COMPLIANCE WITH NOTE 21 SHALL BE PROVIDED AT THE REQUEST OF THE COUNTY OF SANTA CLARA.

23. CONCRETE SLAB FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER BY CBC, CHAPTER 19 OR CONCRETE SLAB-ON-GROUND FLOORS REQUIRED TO HAVE A VAPOR RETARDER BY CRC CHAPTER 5, SHALL COMPLY WITH FOLLOWING REQUIREMENT:

A CAPILLARY BREAK SHALL BE INSTALLED IN COMPLIANCE WITH AT LEAST ONE OF THE FOLLOWING:

- A. A 4-INCH-THICK BASE OF 1/2 INCH OR LARGER CLEAN AGGREGATE SHALL BE PROVIDED WITH A VAPOR RETARDER IN DIRECT CONTACT WITH CONCRETE AND A CONCRETE MIX DESIGN, WHICH WILL ADDRESS BLEEDING, SHRINKAGE, AND CURLING, SHALL BE USED.
- B. A SLAB DESIGN SPECIFIED BY THE LICENSED DESIGN PROFESSIONAL.

24. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 19 PERCENT MOISTURE CONTENT. INSULATION PRODUCTS WHICH ARE VISIBLY WET OR HAVE A HIGH MOISTURE CONTENT SHALL BE REPLACED OR ALLOWED TO DRY PRIOR TO ENCLOSURE IN WALL OR FLOOR CAVITIES. WET-APPLIED INSULATION PRODUCTS SHALL FOLLOW THE MANUFACTURERS' DRYING RECOMMENDATIONS PRIOR TO ENCLOSURE.

25. EACH BATHROOM SHALL BE MECHANICALLY VENTILATED AND SHALL COMPLY WITH THE FOLLOWING:

- A. FANS SHALL BE ENERGY STAR COMPLIANT AND BE DUCTED TO TERMINATE OUTSIDE THE BUILDING.
- B. UNLESS FUNCTIONING AS A COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM, FANS MUST BE CONTROLLED BY A HUMIDITY CONTROL.
1. HUMIDITY CONTROLS SHALL BE CAPABLE OF ADJUSTMENT BETWEEN A RELATIVE HUMIDITY RANGE OF ≤ 50 PERCENT TO A MAXIMUM OF 80 PERCENT. A HUMIDITY CONTROL MAY UTILIZE MANUAL OR AUTOMATIC MEANS OF ADJUSTMENT.
2. A HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT TO THE EXHAUST FAN AND IS NOT REQUIRED TO BE INTEGRAL.

26. HEATING AND AIR-CONDITIONING SYSTEMS SHALL BE SIZED, DESIGNED AND HAVE THEIR EQUIPMENT SELECTED USING THE FOLLOWING METHODS:

- A. THE HEAT LOSS AND HEAT GAIN IS ESTABLISHED ACCORDING TO ANSI/ACCA 2 MANUAL J—2016 (RESIDENTIAL LOAD CALCULATION), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- B. DUCT SYSTEMS ARE SIZED ACCORDING TO ANSI/ACCA 1 MANUAL D—2016 (RESIDENTIAL DUCT SYSTEMS), ASHRAE HANDBOOKS OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.
- C. SELECT HEATING AND COOLING EQUIPMENT ACCORDING TO ANSI/ACCA 3 MANUAL S—2014 (RESIDENTIAL EQUIPMENT SELECTION) OR OTHER EQUIVALENT DESIGN SOFTWARE OR METHODS.

27. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS INCLUDING DUCTS AND EQUIPMENT BY A NATIONALLY OR REGIONALLY RECOGNIZED TRAINING OR CERTIFICATION PROGRAM. UNCERTIFIED PERSONS MAY PERFORM HVAC INSTALLATIONS WHEN UNDER THE DIRECT SUPERVISION AND RESPONSIBILITY OF A PERSON TRAINED AND CERTIFIED TO INSTALL HVAC SYSTEMS OR CONTRACTOR LICENSED TO INSTALL HVAC SYSTEMS.

28. IF REQUIRED BY THE COUNTY OF SANTA CLARA, THE OWNER OR THE RESPONSIBLE ENTITY ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES NECESSARY TO SUBSTANTIATE COMPLIANCE WITH THIS CODE. SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE COUNTY OF SANTA CLARA FOR THE PARTICULAR TYPE OF INSPECTION OR TASK TO BE PERFORMED. SPECIAL INSPECTORS SHALL BE INDEPENDENT ENTITIES WITH NO FINANCIAL INTEREST IN THE MATERIALS OR THE PROJECT THEY ARE INSPECTING FOR COMPLIANCE WITH THIS CODE.

29. DOCUMENTATION USED TO SHOW COMPLIANCE WITH THIS CODE SHALL INCLUDE BUT IS NOT LIMITED TO: CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, BUILDER OR INSTALLER CERTIFICATION, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE COUNTY OF SANTA CLARA WHICH DEMONSTRATE SUBSTANTIAL CONFORMANCE. WHEN SPECIFIC DOCUMENTATION OR SPECIAL INSPECTION IS NECESSARY TO VERIFY COMPLIANCE, THAT METHOD OF COMPLIANCE WILL BE SPECIFIED IN THE APPROPRIATE SECTION OR IDENTIFIED IN THE APPLICATION CHECKLIST.

CALGreen One or Two Family Residential Project Mandatory Requirements
County of Santa Clara



CONTRACTOR AGREES THAT IF ANY DESIGN OR CONSTRUCTION ERROR OR OMISSION RESULTS IN THE FAILURE OF ANY PART OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR OR REPLACEMENT OF THE PROJECT, AND SHALL BE RESPONSIBLE FOR THE COST OF ANY LITIGATION, ATTORNEY'S FEES, AND OTHER COSTS INCURRED BY THE OWNER IN CONNECTION WITH THE PERFORMANCE OF WORK. THE CONTRACTOR SHALL MAINTAIN ADEQUATE INSURANCE COVERAGE TO PROTECT THE OWNER FROM SUCH RISKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AGENCIES, AND SHALL BE RESPONSIBLE FOR THE COST OF SUCH PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY LITIGATION, ATTORNEY'S FEES, AND OTHER COSTS INCURRED BY THE OWNER IN CONNECTION WITH THE PERFORMANCE OF WORK.

• BENCH MARK

ALL TOPOGRAPHIC FEATURES AND ELEVATIONS HAD BEEN TAKEN FROM SURVEYS BY OTHERS, PROVIDED BY THE OWNER.

ABBREVIATIONS

AC = ASPHALT CONCRETE	LP = LOW POINT
AD = AREA DRAIN	PAE = PAD ELEVATION
BC = BEGIN CURVE	PCC = PORTLAND CEMENT CONCRETE
BS = BOTTOM OF STAIR	PL = PROPERTY LINE
BU = BUBBLE UP	PA = PAVEMENT GRADE
BVC = BEGIN VERTICAL CURVE	PVC = POLYVINYL CHLORIDE PIPE
BRW = BOTTOM OF RETAINING WALL	PIV = POINT OF VERTICAL INTERSECTION
CB = CATCH BASIN	RCP = REINFORCED CONCRETE PIPE
CL = CENTERLINE	ROW = RIGHT OF WAY
CO = CLEANOUT	S+0.0043 = SLOPE
DS = DOWNSPOUT WITH SPLASH BOX	SD = STORM DRAIN
EC = END CURVE	SDMH = STORM DRAIN MANHOLE
ELEV. = ELEVATION	SE = SURFACE ELEVATION
ENC = END VERTICAL CURVE	SS = SANITARY SEWER
EX = EXISTING	SSMH = SANITARY SEWER MANHOLE
F/C = FACE OF CURB	STA = STATION
FF = FINISHED FLOOR ELEVATION	TC = TOP OF CURB
FW = FIRE HYDRANT	TF = TOP OF FENCE
FL = FLOW LINE	TRW = TOP OF RETAINING WALL
GB = GRADE BREAK	TS = TOP OF STAIR
GFF = GARAGE FINISH FLOOR	TW = TOP OF WALL
HP = HIGH POINT	VCP = VITRIFIED CLAY PIPE
HC = HANDICAP UNIT	WM = WATER METER
INV = INVERT	WV = WATER VALVE

NOTE: FIRE TRUCK
TURNAROUND AT
APPROX. 900'±

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBER

GRADING & DRAINAGE PLAN

16391 AZTEC RIDGE DR

OSUNA
ENGINEERING INC.
117 BROADWAY, SUITE 100
SAN JOSE, CA 95131
(408) 777-0000
info@osuna-engineering.com

SHEET
C1.1
OF 9 SHEETS

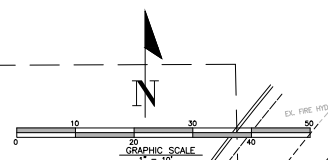


10-23-2020
PORTER OSCAR OSUNA
RCE 70829 EXP. 6-30-21

REVISIONS

BY CITY DATE

INGRESS EGRESS EASEMENT
DOC# 23091976



FROM SHEET C1.1

AZTEC RIDGE DR



10-23-2020
P. Osuna
 PORFIRIO OSCAR OSUNA
 PCE 70829 EXP. 6-30-21

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ENGINEERING INC.
Planning/Engineering/Construction

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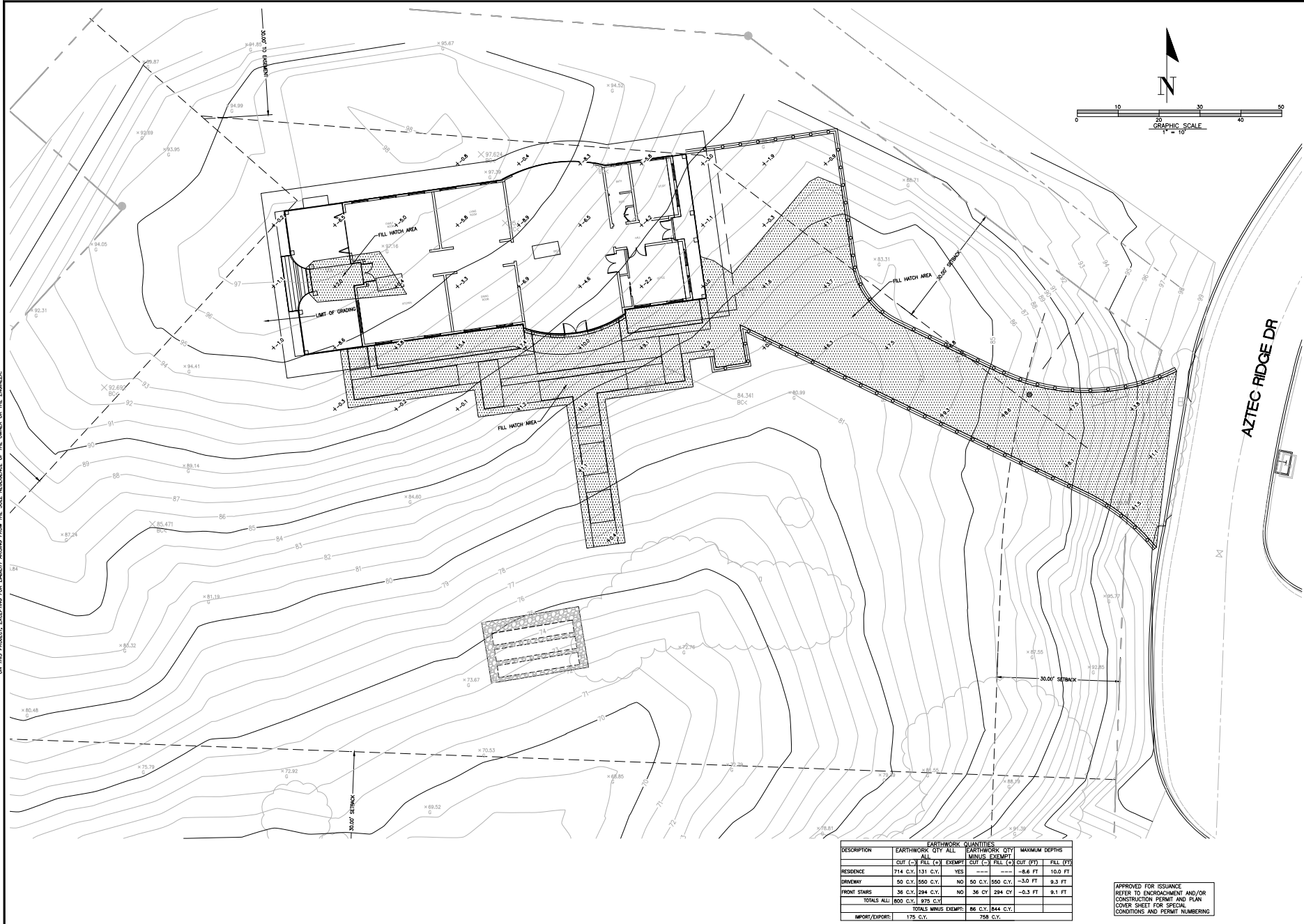
117 BERNAL RD. STE. 70-336 TEL. (408) 772-4381

GRADING & DRAINAGE PLAN
16391 AZTEC RIDGE DR
LOS GATOS, CALIFORNIA

SHEET
C1.2
OF 9 SHEETS

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PERSONS AND PROPERTY FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK UNDER THIS CONTRACT. INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK UNDER THIS CONTRACT.

CONTRACTOR AGREES THAT IF ANY INQUIRY, CLAIM, OR COMPLAINT ARISES FROM THE USE OF THE INFORMATION CONTAINED HEREIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE INFORMATION CONTAINED HEREIN.



DESCRIPTION	EARTHWORK QUANTITIES				MAXIMUM DEPTHS	
	EARTHWORK QTY	ALL	EARTHWORK QTY	MINUS EXEMPT	CUT (FT)	FILL (FT)
RESIDENCE	714 C.Y.	131 C.Y.	YES	---	-8.6 FT	10.0 FT
DRIVEWAY	50 C.Y.	550 C.Y.	NO	50 C.Y.	-3.0 FT	9.3 FT
FRONT STAIRS	36 C.Y.	294 C.Y.	NO	36 C.Y.	-0.3 FT	9.1 FT
TOTALS ALL	800 C.Y.	975 C.Y.				
TOTALS MINUS EXEMPT	86 C.Y.	844 C.Y.				
IMPORT/EXPORT	175 C.Y.					

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING

REVISIONS

NO.	DATE	BY	CITY	DATE
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

REGISTERED PROFESSIONAL ENGINEER
No. 70929
Exp. 6-30-21
CIVIL
FORBES OSCAR OSUNA
RCE 70929 EXP. 6-30-21

10-23-2020
FORBES OSCAR OSUNA
RCE 70929 EXP. 6-30-21

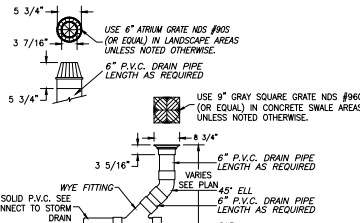
OSUNA
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GRADING & DRAINAGE PLAN
EARTHWORK, CUT & FILL AREAS
16391 AZTEC RIDGE DR
LOS GATOS, CALIFORNIA
Project No.: 2027
Drawn: J.D. Date: 6/25/21

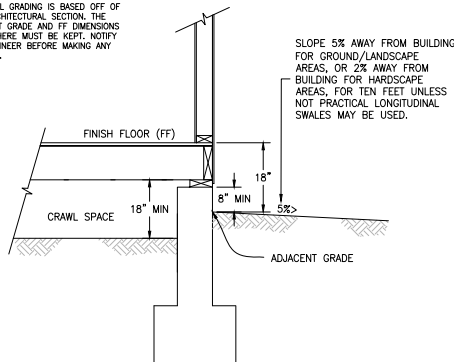
SHEET
C1.3
OF 9 SHEETS

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES, AND FOR THE PERFORMANCE OF WORKMANSHIP. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES, AND FOR THE PERFORMANCE OF WORKMANSHIP. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES, AND FOR THE PERFORMANCE OF WORKMANSHIP.



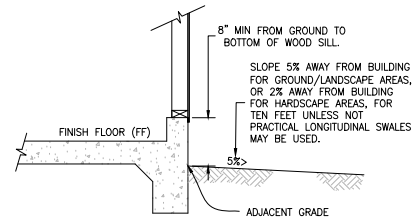
LANDSCAPE DRAIN DETAIL
N.T.S.

N.T.S.



NOTE: ALL GRADING IS BASED OFF OF THIS ARCHITECTURAL SECTION. THE ADJACENT GRADE AND FF DIMENSIONS SHOWN HERE MUST BE KEPT. NOTIFY THE ENGINEER BEFORE MAKING ANY CHANGES.

— SLOPE 5% AWAY FROM BUILDING FOR GROUND/LANDSCAPE AREAS, OR 2% AWAY FROM BUILDING FOR HARDSCAPE AREAS, FOR TEN FEET UNLESS NOT PRACTICAL LONGITUDINAL SWALES MAY BE USED.



NOTE: ALL GRADING IS BASED OFF OF THIS ARCHITECTURAL SECTION. THE ADJACENT GRADE AND GFF DIMENSIONS SHOWN HERE MUST BE KEPT. NOTIFY THE ENGINEER BEFORE MAKING ANY CHANGES.

SLOPE 5% AWAY FROM BUILDING
FOR GROUND/LANDSCAPE AREAS,
OR 2% AWAY FROM BUILDING
FOR HARDSCAPE AREAS, FOR
TEN FEET UNLESS NOT
PRACTICAL LONGITUDINAL SWALES
MAY BE USED.

N.T.S.

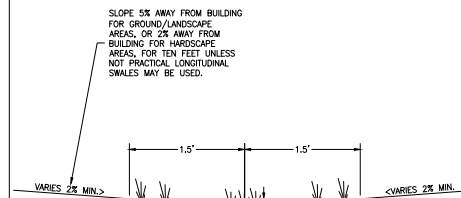
A	NOT USED
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B	AREA DRAIN DETAIL
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C	TYPICAL FOUNDATION/FF/GROUND SECTION
---	--------------------------------------

D	TYPICAL FOUNDATION/GFF/GROUND SECTION
---	---------------------------------------

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING

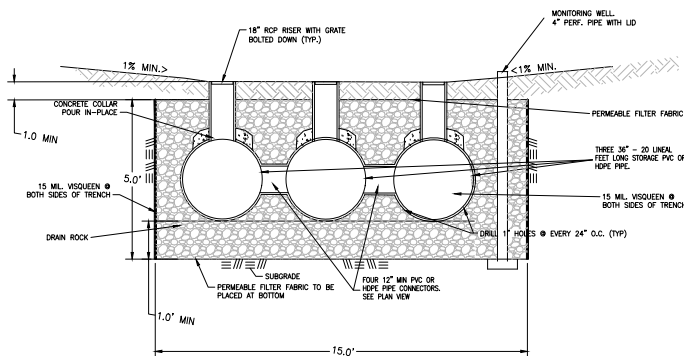


SLOPE 5% AWAY FROM BUILDING FOR GROUND/LANDSCAPE AREAS, OR 2% AWAY FROM BUILDING FOR HARDSCAPE AREAS, FOR TEN FEET UNLESS NOT PRACTICAL LONGITUDINAL SWALES MAY BE USED.

N.T.S.

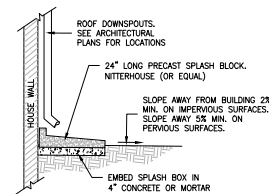
F	NOT USED
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G	EARTHEN SWALE DETAIL
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N.T.S.

E	STORM WATER INFILTRATION/DETENTION TRENCH DETAIL
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SPLASH BLOCK/DOWNSPOUT DETAIL
N.T.S.

N.T.S.

1	SPLASH BLOCK/DOWNSPOUT DETAIL
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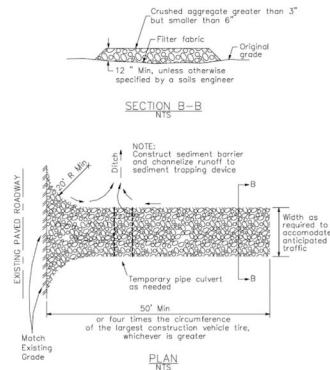
GRADING & DRAINAGE PLAN
CONSTRUCTION DETAILS
16391 AZTEC RIDGE DR
LOS GATOS, CALIFORNIA
Project No. 2017 Revision: 1.0 Date: 6/15/2017

SHEET
C2
OF 9 SHEETS

CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT AND THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT AND THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT AND THE SAFETY OF ALL PERSONS AND PROPERTY.

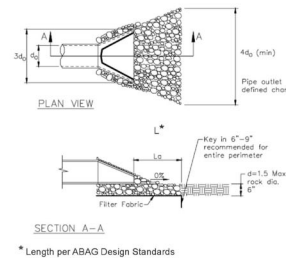
3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



4 Velocity Dissipation Devices

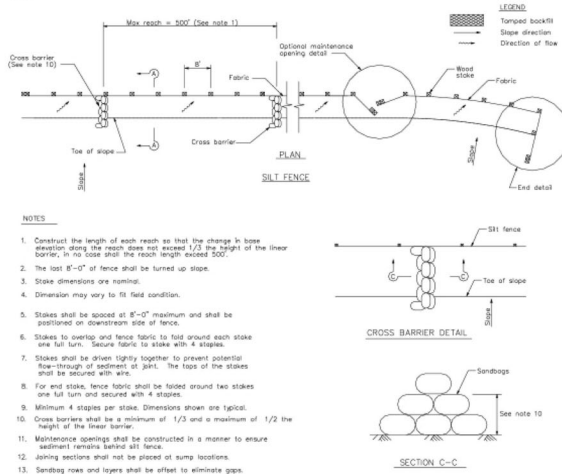
CASQA Detail EC-10



Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.camphandbooks.com.

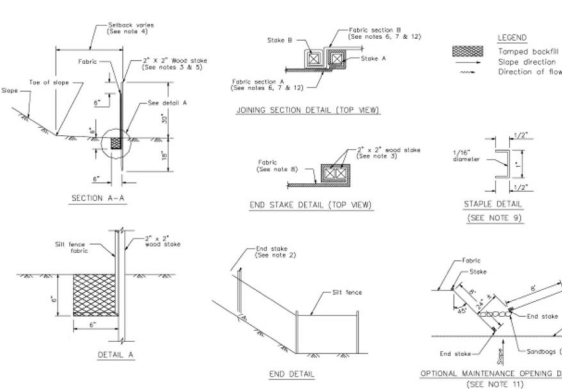
1 Silt Fence

CASQA Detail SE-1



2 Silt Fence

CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material handler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can be stored for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right of way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

- Sediment Control Management:**
 - Tracking Prevention & Clean-Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
 - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked tire rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
 - Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
 - Dust Control:** The contractor shall provide dust control in graded areas as required by wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
 - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarp, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be revegetated, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Project Information



BMP-1

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBER

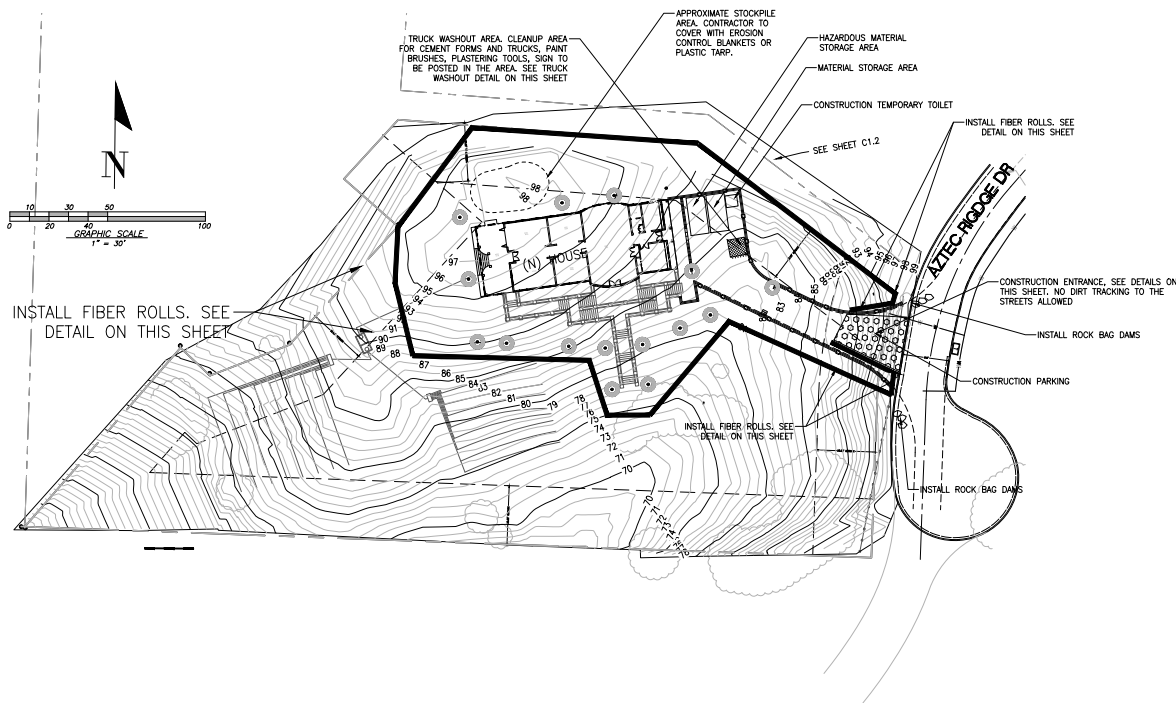
GRADING & DRAINAGE PLAN
 COUNTY BMP-1
 16391 AZTEC RIDGE DR
 LOS GATOS, CA 95030
 Project No: 2017-001
 Date: 07/27/21
 OSUNA ENGINEERING INC.
 CONSULTING CIVIL ENGINEERS & LAND SURVEYORS
 1175 BAYVIEW BLVD., SUITE 200
 SAN JOSE, CA 95128
 (408) 777-1000
 info@osunaeng.com

SHEET
 C3.1
 OF 9 SHEETS

REV	DATE	CITY	BY



CONTRACTOR AGREES THAT IF ANY EROSION OR SEDIMENT CONTROL MEASURES ARE NOT MAINTAINED OR MAINTAINED IN A MANNER THAT DOES NOT PREVENT EROSION OR SEDIMENTATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF EROSION OR SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF EROSION OR SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF EROSION OR SEDIMENTATION CONTROL MEASURES.



EROSION & SEDIMENT CONTROL NOTES

- NOT USED
- THE DEVELOPER IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BEST MANAGEMENT PRACTICES WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND/OR STOP ORDERS.
- ANY VEHICLE OR EQUIPMENT WASHING/STEAM CLEANING MUST BE DONE AT AN APPROPRIATELY EQUIPPED FACILITY WHICH DRAINS TO THE SANITARY SEWER. OUTDOOR WASHING MUST BE MANAGED IN SUCH A WAY THAT THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, CLEANING AGENTS OR OTHER POLLUTANTS TO THE STORM DRAINS. WASH WATER SHALL DISCHARGE TO THE SANITARY SEWER, SUBJECT TO REVIEW AND APPROVAL OF UNION SANITARY DISTRICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LITTER CONTROL AND SWEEPING OF ALL PAVED SURFACES DURING CONSTRUCTION.
- THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 15. EROSION CONTROL MEASURES ARE TO BE FUNCTIONAL PRIOR TO THE START OF ANY YEAR GRADING OPERATIONS HAVE LEFT AREAS UNPROTECTED FROM EROSION.
- ALL ON-SITE STORM DRAINS SHALL BE CLEANED IMMEDIATELY BEFORE THE START OF THE RAINY SEASON BEGINNING ON OCTOBER 1ST EACH YEAR, SUBJECT TO THE REVIEW OF THE BUILDING/ENGINEERING INSPECTOR.
- IF RAINY WEATHER BECOMES IMMINENT, GRADING OPERATIONS SHALL BE STOPPED AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT DISTURBED AREAS.
- DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED PER SANTA CLARA COUNTY BMP SHEET 1.
- INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL MEASURES ARE TO BE BLOCKED UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
- BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE COUNTY ENGINEER.
- NO STRAW BALES OR SILT FENCES SHALL BE USED AS EROSION CONTROL MEASURES. SILT FENCES MAY ONLY BE USED AS A PHYSICAL BARRIER TO PREVENT VEHICULAR AND PEDESTRIAN TRAFFIC FROM USING NON-APPROVED ACCESS POINTS (E.G. - ALONG RIGHT-OF-WAY).
- ALL DISTURBED AREAS INCLUDING FLAT PADS ARE TO BE TREATED WITH STRAW AND TACKIFIER AT A RATE OF 2 TONS PER ACRE APPROXIMATELY 3 INCHES THICK.

SUPPLEMENTAL EROSION & SEDIMENT CONTROL NOTES

- SEE STANDARD EROSION & SEDIMENT CONTROL NOTES ABOVE.
- THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 15. FACILITIES ARE TO BE OPERABLE PRIOR TO OCTOBER 1 OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCEWAYS.
- CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS AND/OR PRIVATE ROADS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE COUNTY. TRACKING TO PUBLIC STREETS AND/OR PRIVATE ROADS NOT ALLOWED.
- INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT.
- THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. NOTIFY THE COUNTY REPRESENTATIVE OF ANY FIELD CHANGES.
- TO PREVENT EROSION, BEFORE SEPTEMBER 20, ALL SLOPES 3:1 OR STEEPER & GREATER THAN 3 FEET HIGH SHALL BE HYDROSEEDING ACCORDING TO THE FOLLOWING OR OTHER MIXTURE APPROVED BY THE COUNTY:
BLANDO BROME 30 LB/ACRE
ANNUAL RYEGRASS 20 LB/ACRE
16-20-0 FERTILIZER 500 LB/ACRE
STRAW MULCH 3000 LB/ACRE

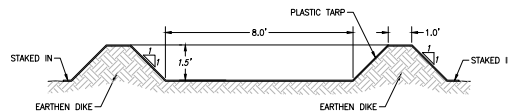
APPROVED FOR ISSUANCE
REFER TO ENCLOSURE AND/OR
CONSTRUCTION PERMIT AND PLAN
COVER SHEET FOR SPECIAL
CONDITIONS AND PERMIT NUMBERING

LEGEND

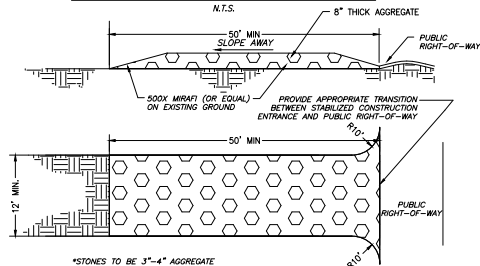
PROPOSED	DESCRIPTION
---	SITE BOUNDARY
STABILIZED CONSTRUCTION ENTRANCE 2"-3" ROCK (MIN)	
FIBER ROLL	
ROCK BAG CHECK DAMS	
INLET PROTECTION	

MAINTENANCE NOTES

- MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
- REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
 - SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
 - SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
 - SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1 FOOT.
 - SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
 - RILLS AND GULLIES MUST BE REPAIRED.



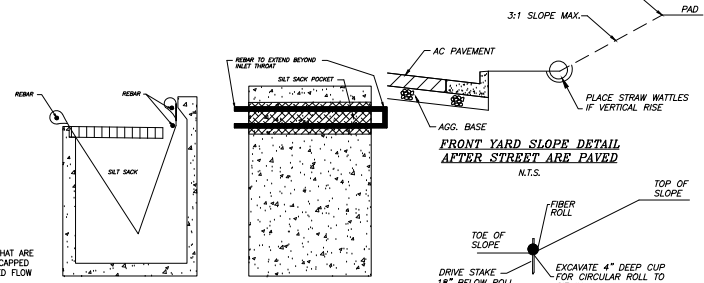
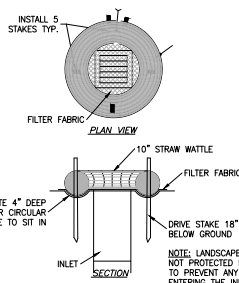
CONCRETE TRUCK WASHOFF AREA



MAINTENANCE:
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT.
ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. THIS SHALL BE DONE AT AN AREA STABILIZED WITH CRUSHED STONE, WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

STABILIZED CONSTRUCTION ENTRANCE

ALTERNATE FIBER ROLL INLET PROTECTION



CALIFORNIA MODIFIED SILT SACK

REED & GRAHAM, INC. (OR EQUAL)
BEFORE & AFTER STREETS ARE PAVED

FIBER ROLL INSTALLATION DETAIL



GRADING & DRAINAGE PLAN
EROSION CONTROL
16391 AZTEC RIDGE DR
LOS GATOS, CALIFORNIA
Project No. 2017-0012 Date: 07/25/21

SHEET
C4
OF 9 SHEETS

CONTRACTOR AGREES THAT IT SHALL MAINTAIN THE COMPLETE RESPONSIBILITY FOR THE USE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT AND THE CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PROJECT AND THE CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY.

Notes for Figure 6H-6—Typical Application 6 Shoulder Work with Minor Encroachment

Guidance:

1. All lanes should be a minimum of 10 feet in width as measured to the near face of the channelizing devices.
2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.

Option:

3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 9 feet may be used.
4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely-spaced channelizing devices, provided that the minimum lane width of 10 feet is maintained.
5. Additional advance warning may be appropriate, such as a ROAD NARROWS sign.
6. Temporary traffic barriers may be used along the work space.
7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
8. A truck-mounted attenuator may be used on the shadow vehicle.
9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
10. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

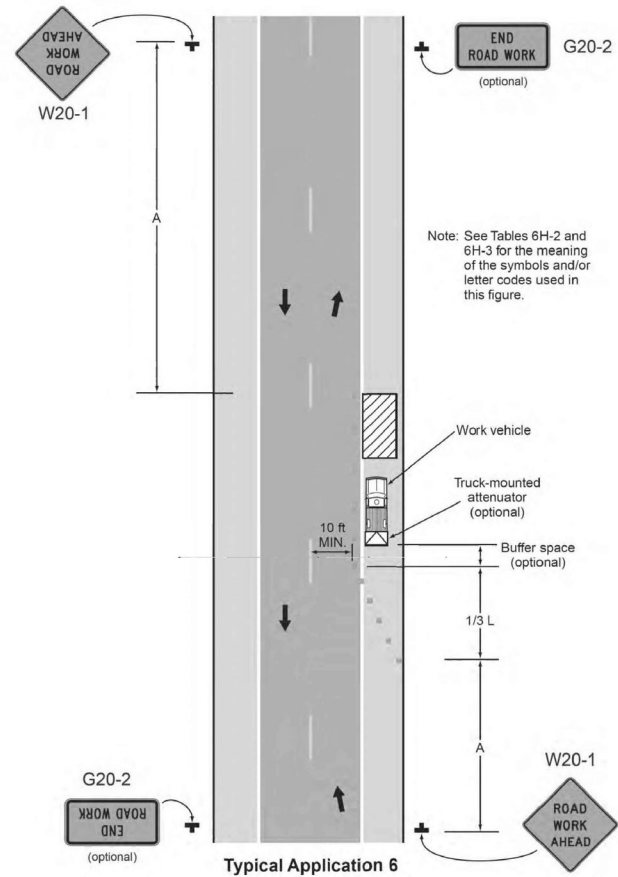
Standard:

11. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.
12. Shadow and work vehicles shall display high-intensity rotating, flashing, oscillating, or strobe lights.
13. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

Guidance:

14. All advance warning signs should be placed so that the path of travel for bicycles is not blocked, while maintaining visibility for road users.
15. When existing accommodations for bicycle travel are disrupted or closed in a long-term duration project (see Section 6G.02) and the roadway width is inadequate for allowing bicyclists and motor vehicles to travel side by side, the Bicycle Warning (W11-1) sign and the SHARE THE ROAD (W16-1P) plaque should be used to advise motorists of the presence of bicyclists in the travel way lanes.
16. Except for short durations and mobile operations, when a highway shoulder is occupied and bicyclists would be sharing a lane with vehicular traffic, as a result of the TTC zone, speed reduction countermeasures should be used to reduce traffic speeds in the TTC zone. Refer to Sections 6C.01 and 6D.03.
17. Except for short durations and mobile operations, when a highway shoulder is occupied and bicyclists would be sharing a lane with vehicular traffic, as a result of the TTC zone, before narrowing the outside lane other measures such as widening the outside shoulder to allow bicyclists and motor vehicles to travel side by side through the TTC zone should be considered.
18. If traffic volumes make it feasible, the two left lanes should be merged into one lane to avoid using the shoulder as a traveled way lane and allowing continued use for emergency purposes and bicycle travel.
19. When existing accommodations for bicycle travel are disrupted or closed in a long-term duration project (see Section 6G.02) and the roadway width is inadequate for allowing bicyclists and motor vehicles to travel side by side, a separate path should be considered for bicyclists.

Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT					STANDARD TRAFFIC CONTROL PLANS - LOCAL SHOULDER WORK		DRAWING NO. TCP		
DESIGNED	5-2015	DATE	SUBMITTER	APPROVED	WORK ORDER NO.	ADVERTISING DATE	CONTRACT NO.	FILE NO.	Scale
DRAWN	5-2015	DATE							
CHECKED	5-2015	DATE							



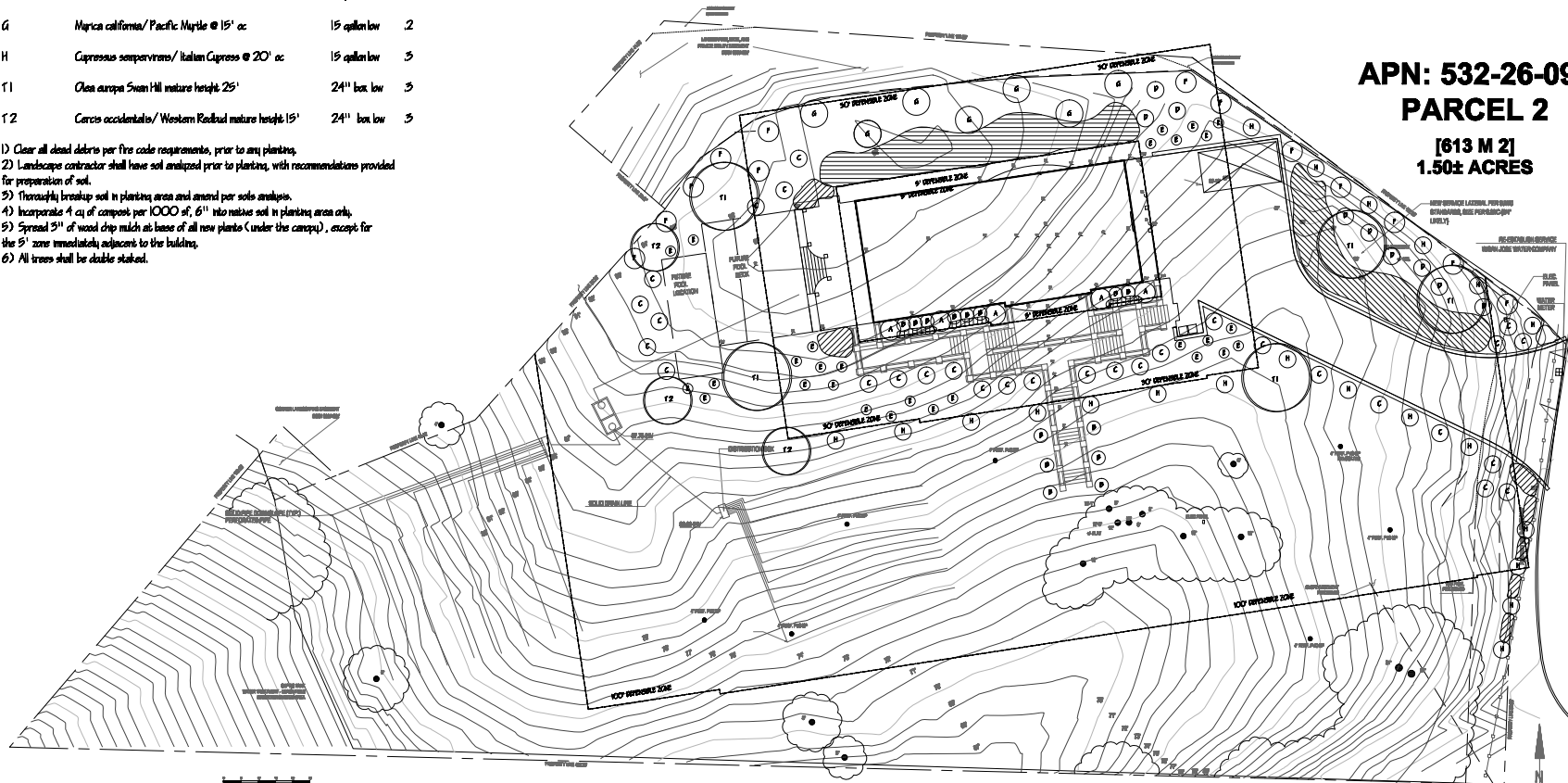
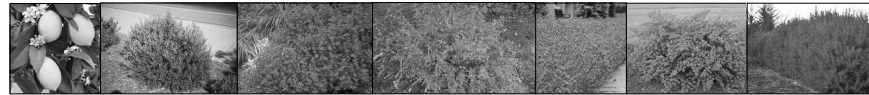
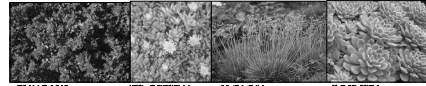
GRADING & DRAINAGE PLAN
TRAFFIC CONTROL PLAN
16391 AZTEC RIDGE DR
LOS GATOS, CA 95028
Project No.: 2017-001
Sheet: 02 of 02

SHEET
C5
OF 9 SHEETS

PLANT LEGEND

Symbol	Species	Size	Water	WUCOLS
	Ceanothus glaucus variegatus @ 5' ac	1 gallon	low	2
	Delosperma subspensum/ Hardy Yellow Ice Plant @ 30" ac	1 gallon	low	3
	Tillandsia violacea @ 36" ac	1 gallon	low	3
	Echeveria @ 18" ac	1 gallon	low	3
A	Citrus - Dwarf Meyer Lemon	5 gallon	special	5
B	Olea Little Olive/ Dwarf Olive	5 gallon	low	3
C	Cistus Sunset/ Rockrose @ 8' ac	5 gallon	low	3
D	Euphorbia canum/ California Fuchsia	5 gallon	low	3
E	Lavandula Murewood/ Lavender	5 gallon	low	3
F	Ceanothus Blue Jeans @ 12' ac	5 gallon	low	2
G	Myrica californica/ Pacific Myrtle @ 15' ac	15 gallon	low	2
H	Cupressus sempervirens/ Italian Cypress @ 20' ac	15 gallon	low	3
T1	Olea europaea Swan Hill mature height 25'	24" box	low	3
T2	Cercis occidentalis/ Western Redbud mature height 15'	24" box	low	3

- 1) Clear all dead debris per fire code requirements, prior to any planting.
- 2) Landscape contractor shall have soil analyzed prior to planting, with recommendations provided for preparation of soil.
- 3) Thoroughly breakup soil in planting area and amend per soils analysis.
- 4) Incorporate 4 cu of compost per 1000 sf, 6" into native soil in planting area only.
- 5) Spread 3" of wood chip mulch at base of all new plants (under the canopy), except for the 5' zone immediately adjacent to the building.
- 6) All trees shall be double staked.



APN: 532-26-098
PARCEL 2
[613 M 2]
1.50± ACRES

W. Jeffrey Heid
 Landscape Architect
 C-22299

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 San Jose, California 95125
 Tel: 408 691-9207
 Fax: 408 228-0009
 Email: wjheid@comcast.net

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 All drawings, specifications and copies thereof furnished by W. Jeffrey Heid Landscape Architect are and shall remain the property. They are to be used only with respect to this Project and are not to be used on any other project. Distribution or disclosure to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of W. Jeffrey Heid Landscape Architect's common law, copyright or other intellectual rights.

REVISED 2/16/21
 REVISED 2/25/21
 REVISED 6/21/21



LUBIVY RESIDENCE

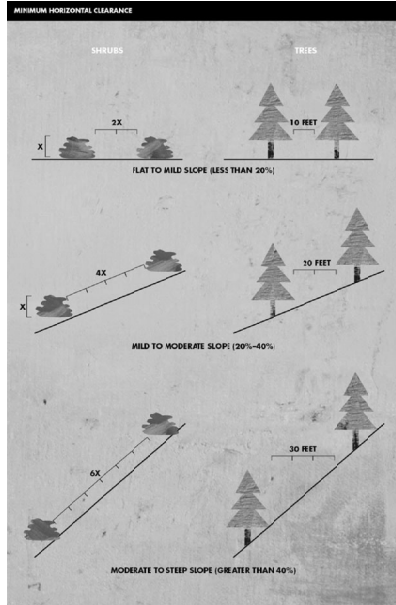
for:
 ALEXANDER LUBIVY
 16391 AZTEC RIDGE ROAD
 LOS GATOS, CA 95030

MASTER PLANTING PLAN

date: 2/15/21
 scale: NOTED
 drawn by: WJH
 job no. 202108
 sheet

L I
 of sheets

MASTER PLANTING PLAN
 1/16" = 1'-0"



Maintain a vertical clearance between shrubs and trees. Example: A five foot shrub is growing near a tree. $5 \times 5 = 15$ feet of clearance needed between the top of the shrub and the lowest tree branch.

Plant and Tree Spacing

- 1) The spacing between grass, shrubs, and trees is crucial to reduce the spread of wildfires. The spacing needed is determined by the type and size of brush and trees, as well as the slope of the land. For example, a property on a steep slope with larger vegetation requires greater spacing between trees and shrubs than a level property that has small, sparse vegetation.

Vertical Spacing

- 1) Maintain and remove all tree branches at least 6 feet from the ground.
- 2) Verify placement of plant material in field. Additional space shall be allowed between shrubs and trees to reduce the ladder effect for a wildfire.

To determine the proper vertical spacing between shrubs and the lowest branches of trees, use the formula sheet.

5' Zone

This zone represents the initial 5' away from the building.

- 1) Land planted within the first 5' of the house.
- 2) No tall plants (10' +) shall be located here.
- 3) No organic mulch shall be placed in this area.

Zone 1

Zone 1 extends 30 feet from buildings, structures, decks, etc.

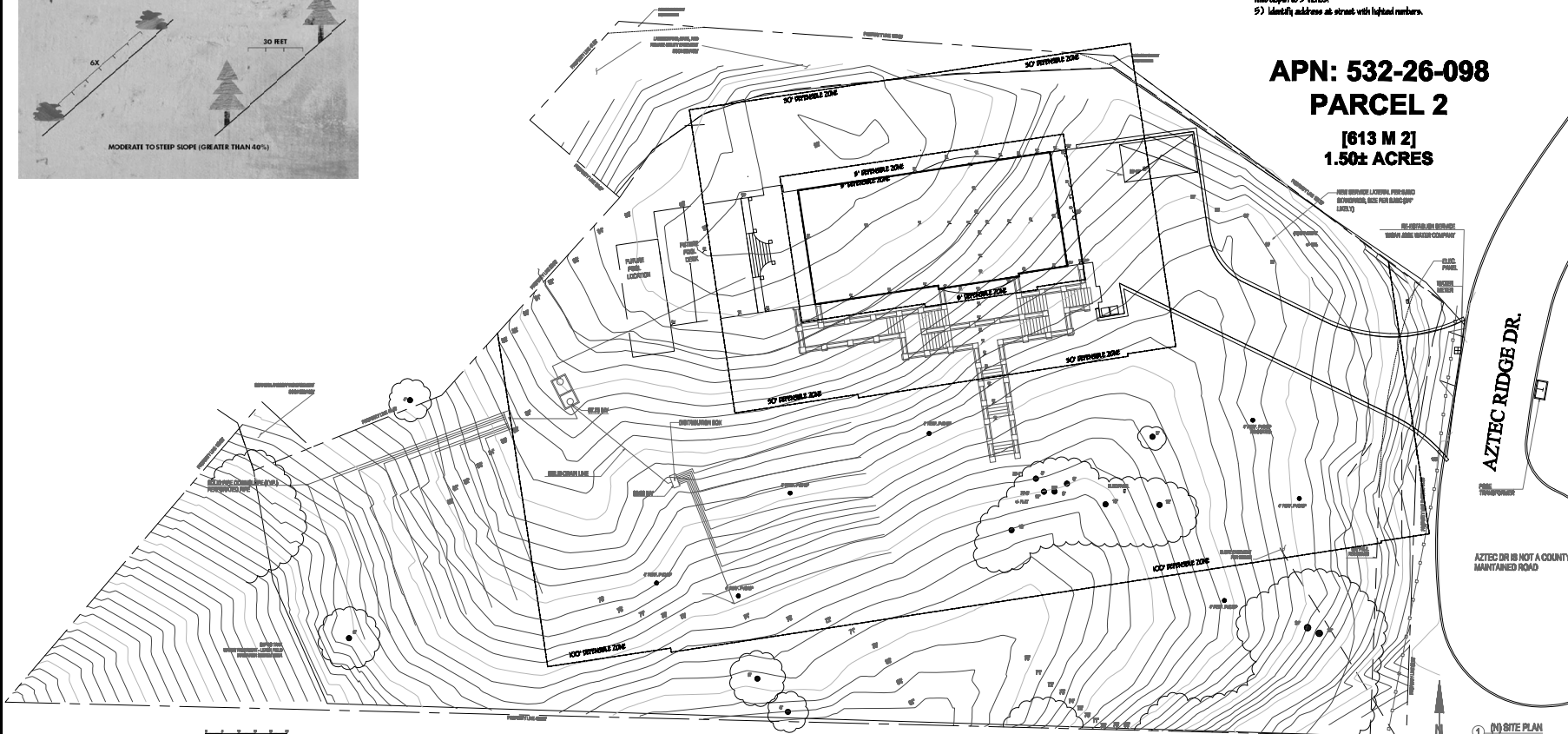
- 1) Remove all dead plants, grass and weeds (vegetation).
- 2) Remove dead or dry leaves, pine needles, etc. from grass, roof and rain gutters.
- 3) Remove branches that hang over roof and keep dead branches 10 feet away from the chimney.
- 4) Trim trees regularly to keep branches a minimum of 10 feet from other trees.
- 5) Relocate wood piles to Zone 2.
- 6) Remove or prune flammable plants and shrubs near windows.
- 7) Remove vegetation and items that could catch fire from animals and under decks.
- 8) Create a separation between trees, shrubs and items that could catch fire, such as patio furniture, wood piles, swing sets, etc.
- 9) Locate trees outside of this zone.
- 10) Provide adequate lighting along driveway for fire truck and firefighter access.

Zone 2

Zone 2 extends 100 feet out from buildings, structures, decks, etc.

- 1) Cut or mow annual grass down to a maximum height of 4 inches.
- 2) Create horizontal space between shrubs and trees. (See diagram)
- 3) Create vertical space between grass, shrubs and trees. (See diagram)
- 4) Remove fallen leaves, needles, twigs, bark, cones, and small branches. Keep depth to 3 inches.
- 5) Identify address at street with lighted numbers.

APN: 532-26-098
PARCEL 2
[613 M²]
1.50± ACRES



VERIFY ALL DIMENSIONS IN FIELD. IN CASE OF DISCREPANCY, GO TO CONTACT ARCHITECT PRIOR TO COMMENCEMENT OF WORK.



WILDFIRE DEFENSE PLAN

1/16" = 1'-0"

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 C-22299

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REVISED 2/16/21
 REVISED 2/25/21
 REVISED 6/21/21



LUBIVY RESIDENCE

for:
 ALEXANDER LUBIVY
 16391 AZTEC RIDGE ROAD
 LOS GATOS, CA 95030

FIRE DEFENSE PLAN

date: 2/15/21
 scale: NOTED
 drawn by: WJH
 job no. 202108
 sheet

L 2

of sheets

- * Hydzonez # / Planting Description e.g.
 - 1) Front lawn
 - 2) Low water use planting
 - 3) Medium water use planting
- * Irrigation Method
 - 1) Overhead Spray
 - 2) Drip
- * Irrigation Efficiency
 - 1) 0.75 for Overhead Spray
 - 2) 0.81 for Drip
- * ETWU (Annual Gallons Required) = $Eto \times 0.62 \times ETAF \times A$
 Where 0.62 is a conversion factor to change acre-inches per acre per year to gallons per square foot per year.
- * MAWA (Annual Gallons Allowed) = $(Eto) \times 0.62 \times (ETAF \times LA) + (1 - ETAF) \times SLA$
 Where 0.62 is a conversion factor to change acre-inches per acre per year to gallons per square foot per year. LA is the total regular landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential areas and 0.45 for non-residential areas.

0.45	Non-Residential
0.55	Residential
0.81	Drip
0.75	Overhead

0.45	Non-Residential
0.55	Residential
0.81	Drip
0.75	Overhead



AZTEC RIDGE DR.



LUBIVY RESIDENCE

for:
ALEXANDER LUBIVY
16391 AZTEC RIDGE ROAD
LOS GATOS, CA. 95030

HYDROZONE PLAN

date: 2/15/21
scale: NOTED
drawn by: WJH
job no. 202108
sheet:

L3

1. **Identify the subject and predicate of the sentence.**

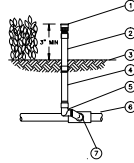
VERIFY ALL DIMENSIONS IN FIELD. IN CASE OF DISCREPANCY, GO TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.

HYDROZONE PLAN
1/16" = 1'-0"

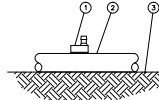
IRRIGATION LEGEND

- C** Hunter I-Cone 18 station controller with Solar 5pic and rain sensor
- WM** Separate 1/2" sub meter for irrigation only. Include 1" Hunter meter valve and flow sensor to detect any leaks in system
- FB** Fabco #829 Y - 2" reduced pressure backflow preventer, included lockable vandal resistant cover
- SCH 40 pvc mainline - 2" - min. depth 18"**
- R** Rainbird 1" PEP series control valves with in line pressure reducer set to 35 psi and Y filter for drip and bubbler circuits
- SCH 40 pvc lateral lines - 3/4" unless noted- min. depth 12"**
- R** Rainbird pressure compensating emitters - 1/2" - 2 emitters/ one emitter 3/4" five emitter 4/ fifteen emitter
- R** Rainbird #1400 series bubbler for trees 0.25 gpm max. - 1 per shrub, 2 per tree - provide check valves below bubblers at ground level, install with flush and valve in valve box with cap
- I** Control valve number

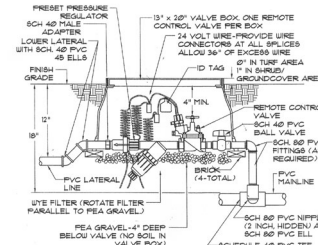
- 1) Verify water and electrical services for point of connection.
- 2) Verify site water pressure of 75 psi at point of connection and 65 psi working pressure - notify architect prior to construction if found to be different.
- 3) Verify electrical source and placement of controller with owner in garage.
- 4) Contractor shall provide all necessary safety precautions throughout construction. This shall include signage and barriers.
- 5) Verify operation of system before backfilling trenches. Drip line to be secured to grade with stakes at base of each plant and covered with final mulch.
- 6) System layout to be diagrammatic, actual field conditions will dictate final layout, addition of drip line, etc.
- 7) Verify control wire placement and access under pavement and extension of additional wires.
- 8) Verify rain sensor placement in field.
- 9) Contractor shall be responsible for setting and monitoring irrigation system to apply adequate water for establishment, but to alternate runoff and soil saturation.
- 10) Contractor to submit maintenance and irrigation schedule to Owner at completion of installation and maintenance/ warranty period.
- 11) Contractor shall verify location of all underground utilities prior to any trenching or excavation.
- 12) Verify and coordinate installation of sleeves and/ or manhole and control wire conduit access under all pavement.



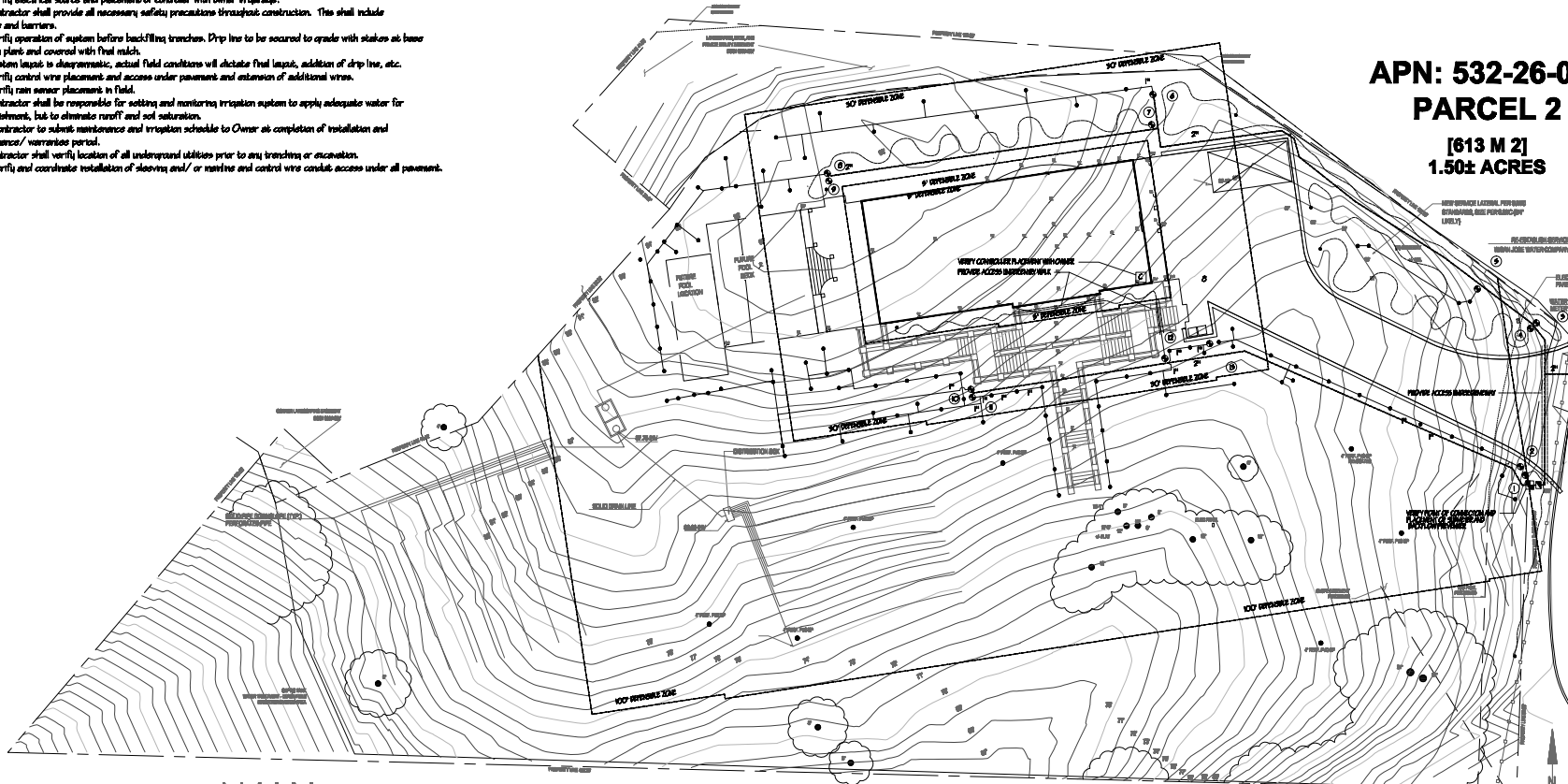
A PRESSURE COMPENSATING FULL-CIRCLE BUBBLER 1400 SERIES ON RISER



B XERI-BUG INTO 1/2-INCH TUBING OPTION 1



C CONTROL VALVE DETAIL



VERIFY ALL DIMENSIONS IN FIELD, IN CASE OF DISCREPANCY, GO TO CONTACT ARCHITECT PRIOR TO CONTINUATION OF WORK.



IRRIGATION PLAN 1/16" = 1'-0"

**APN: 532-26-098
PARCEL 2
[613 M 2]
1.50± ACRES**

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REVISED 6/21/21



LUBIVY RESIDENCE

for:
ALEXANDER LUBIVY
16391 AZTEC RIDGE ROAD
LOS GATOS, CA. 95030

IRRIGATION PLAN

date: 2/25/21
scale: NOTED
drawn by: WJH
job no. 202108
sheet

L 4
of 4 sheets