

## W.U.I. NOTES

W.U.I. Fire Resistive Construction Requirements for Residential Projects Based on the 2016 CRC & 2016 CBC.

**Roofing Assemblies**  
Roofing assemblies shall be designed to prevent the intrusion of flames and embers between the roof covering and the roof decking.  
Roof valley flashing shall be made of not less than 26-gauge galvanized sheet metal installed over a minimum 3/8" wide underlayment of one layer of 72# cap sheet running the full length of the valley.  
Roof gutters shall be designed to prevent the accumulation of leaves and debris in the

**Attic Ventilation**  
Roof and attic vents shall be designed to resist the intrusion of flames and embers into the attic of a structure, and shall be protected with corrosion-resistant, noncombustible wire mesh with mesh opening of 1/16" minimum and 1/8" maximum.

Eave and cornice vents shall be designed to resist the intrusion of flames and burning embers into the attic of a structure, and shall be approved by the State Fire Marshal. Eave vents located 12 feet above grade shall be protected with noncombustible wire mesh with mesh opening of 1/16" minimum and 1/8" maximum.  
Eave protection - Eaves and soffits shall be protected by ignition-resistant materials or noncombustible construction on the exposed underside.

**Exterior Walls**  
Exterior walls shall be designed using ignition-resistant materials, noncombustible construction, heavy timber, log wall construction, or equivalent, or installed with one layer of 5/8" Type X gypsum bd. on the exposed side of the framing under any type of wall covering or, have the exposed side covered by the exterior portion of a one-hour fire resistive exterior wall assembly as found in the Gypsum Association Fire Resistance Design Manual.

Open roof eaves, enclosed roof eaves and roof eave soffits, the exposed underside of exterior porch ceilings and floor projections shall comply with one of the following:  
covered with noncombustible or ignition resistant materials or one layer of 5/8" Type X gypsum board sheathing applied behind an exterior covering on the underside of the floor projection, or have the exposed side covered by the exterior portion of a one-hour resistive exterior wall assembly as found in the Gypsum Association Fire Resistance Design Manual.

Exterior wall coverings shall extend from the top of the foundation to the roof, and terminate at 2" nominal solid wood blocking between the rafters at all roof overhangs, or terminate at an eave enclosure.

Exterior wall vents shall be designed to resist the intrusion of flame and embers into the structure, or shall be protected with a corrosion-resistant, noncombustible wire mesh with mesh openings of 1/16" minimum and 1/8" maximum.

**Floor Projections**  
The exposed underside of a cantilevered floor projection where a floor assembly extends over an exterior wall shall be protected by a noncombustible material ignition resistant material, one layer of 5/8" type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection, or the exterior portion of a 1-hour fire resistive exterior wall assembly applied to the underside of the floor projection including assemblies using the gypsum panel sheathing products listed in the Gypsum Association Fire Resistance Design Manual, or The underside of a floor projection assembly that meets the performance criteria in accordance with the test procedures set forth in either of the following: SFM Standard 12-7A-3 or ASTM E2957.

**Underfloor protection**  
The underfloor area of elevated or overhanging buildings shall be enclosed to grade in accordance with the requirements of the CRC section R337 or the underside of the exposed underfloor shall consist of one of the following:  
noncombustible material, ignition resistant material, one layer of 5/8" type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection, the exterior portion of a 1-hour fire resistive exterior wall assembly applied to the underside of the floor including assemblies using the Gypsum Association Fire Resistance Design Manual, or the underside of a floor assembly that meets the performance criteria in accordance with the test procedures set forth in the following: SFM Standard 12-7A-3 or ASTM E2957.

**Underfloor and appendages protection**  
The underside of elevated or overhanging buildings and floor projections shall be enclosed to grade or the underside shall be covered with ignition resistant or non-combustible materials or one layer of 5/8" type X gypsum sheathing applied behind an exterior covering on the underside of the floor projection shall have the exposed underside covered by a one-hour resistive exterior wall assembly as listed in the Gypsum Association Fire Resistance Design Manual.

**Exterior Windows and Doors**  
Exterior windows, including skylights, and glazed door assemblies shall have a 20 minute fire-resistant rated, or be designed using insulating-glass units with a minimum of one tempered pane, or glass block units, any window listed on the OSFM website. Note that window sash, stile, and frames may be of wood, aluminum, vinyl, or fiberglass material.

Exterior door surface or cladding shall be ignition resistant or non-combustible material or 20 minute fire-resistant rated or be constructed of solid-core wood having stiles and rails not less than 1-3/8" thick, and field panels not less than 1-1/4" thick or any door listed on the OSFM website. Exterior vehicle access doors shall be non-combustible or exterior fire-retardant treated wood. Exterior vehicle access doors shall be non-combustible or exterior fire-retardant treated wood.

Weather stripping, exterior garage doors shall be provided with weather stripping to resist the intrusion of embers from entering through gaps between doors and door openings when visible gaps exceed 1/8 inch (3.2mm). Weather stripping or seals shall be installed on the bottom, sides, and tops of doors to reduce gaps between doors and door openings to 1/8 inch or less.

**Decking**  
The walking surface of decks, balconies, porches, and stairs within 10 feet of a building that is required to be WUI compliant shall be of the following materials:  
Solid wood decking (redwood or cedar 5/4" thick nominal 6" wide) over 2x6 DF minimum joists spaced 24" or less on center or any decking material listed on the OSFM website. (<http://www.osfm.fire.ca.gov/submit/engineer/pdf/html/wui/products.pdf>)  
guardrails, handrails, and structural members need not comply WUI requirements.

**Accessory buildings and structures**  
Attached accessory structures such as trellises, arbors, patio covers, carports, and gazebos or similar structures attached to applicable buildings are required to be constructed of fire-resistant material.

**Note:**  
The use of paints, coatings, stains or other surface treatments are not an approved method of protection.

Prior to building permit final approval, the property shall be in compliance with the vegetation management requirements prescribed in the California Fire Code section 4906, including California Public Resources Code 4291 or California Government Code 51182. See CRC R337.1.5

## GEN. CONSTRUCTION NOTES

ANY VARIATION FROM THE SPECIFIED DESIGN, FINISH PRODUCTS OR EXTERIOR ELEVATION STYLES TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO CONSTRUCTION.

ANY DISCREPANCY DISCOVERED ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO COMMENCEMENT OF THE WORK IN QUESTION. ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

ALL WORK TO BE IN CONFORMANCE WITH  
2010 CALIFORNIA BUILDING CODE  
2019 CALIFORNIA RESIDENTIAL CODE  
2019 CALIFORNIA MECHANICAL CODE  
2019 CALIFORNIA PLUMBING CODE  
2019 CALIFORNIA ENERGY CODE  
2019 CALIFORNIA HISTORICAL BUILDING CODE  
2019 CALIFORNIA FIRE CODE  
2019 CALIFORNIA EXISTING BUILDING CODE  
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE  
2019 CALIFORNIA REFERENCED STANDARDS CODE  
2019 CALIFORNIA ELECTRICAL CODE  
AS WELL AS THE STATE AND LOCAL CODES.

CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR METHOD AND MANNER OF CONSTRUCTION AND FOR ALL JOB SITE SAFETY DURING CONSTRUCTION.

VERIFY LOCATION OF UTILITIES AND EXISTING CONDITIONS AT SITE PRIOR TO CONSTRUCTION AND BIDDING.

SLOPE ALL FINISH GRADES A MIN. OF 5% FOR POSITIVE DRAINAGE @ LANDSCAPED AREAS & SLOPE GRADE 2% PAVED AREAS.

THE BUILDER SHALL PROVIDE THE BUILDING OWNER, MANAGER, AND THE ORIGINAL OCCUPANTS A LIST OF THE ENERGY-SAVING CONSERVATION FEATURES, DEVICES, MATERIALS, AND COMPONENTS INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY. SUCH FEATURES INCLUDE HEATING, COOLING, WATER HEATING AND LIGHTING SYSTEMS, AS WELL AS INSULATION, WEATHERSTRIPPING WINDOW SHADES, AND THERMAL MASS MATERIALS. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY THE EXECUTIVE DIRECTOR.

ALL WORK, APPLIANCES AND EQUIPMENT SHALL COMPLY WITH C.E.C. TITLE 24 RESIDENTIAL ENERGY STANDARDS.

SEE SHEET T24 FOR ADDITIONAL ENERGY COMPLIANCE NOTES.

**FIRE PROTECTION WATER:**  
FIRE PROTECTION WATER SYSTEM SHALL BE INSTALLED, FUNCTIONING AND INSPECTED PRIOR TO APPROVAL OF THE FOUNDATION. SYSTEM SHALL BE MAINTAINED IN GOOD WORKING ORDER AND ACCESSIBLE THROUGHOUT CONSTRUCTION. A STOP WORK ORDER MAY BE PLACED ON THE PROJECT IF THE REQUIRED HYDRANT SYSTEMS ARE NOT INSTALLED, ACCESSIBLE, AND/OR FUNCTIONING.

**FIRE SPRINKLER SYSTEM:**  
AN APPROVED FIRE SPRINKLER SYSTEM COMPLYING WITH FIRE MARSHAL STANDARD NFPA 13 SHALL BE INSTALLED THROUGHOUT THE STRUCTURE. A FIRE PUMP MEETING NFPA 20 WILL BE REQUIRED IF DEMANDS CAN NOT BE MET WITHOUT A PUMP.

THE FIRE HYDRANT INSTALLED SHALL BE A STANDARD FIRE HYDRANT LOCATED NO CLOSER THAN 40 FEET AND NO FURTHER THAN 400 FEET FROM THE STRUCTURE. THE FIRE HYDRANT SHALL MEET NFPA 24 STANDARDS.

THE FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AND FINALED BY THE COUNTY OF SANTA CLARA FIRE DEPARTMENT PRIOR TO OCCUPANCY. A SEPARATE PERMIT SHALL BE OBTAINED FROM THE COUNTY OF SANTA CLARA FIRE DEPARTMENT BY A STATE LICENSED C-16 CONTRACTOR PRIOR TO INSTALLATION. PLEASE ALLOW FOR A MINIMUM OF 30 DAYS FOR PLAN REVIEW OF FIRE SPRINKLER PLANS BY THE COUNTY OF SANTA CLARA FIRE DEPARTMENT.

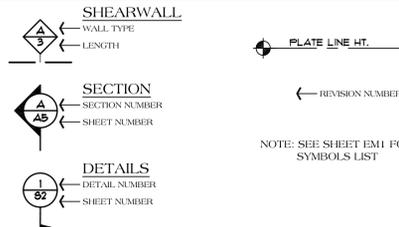
**MAINTENANCE:**  
FIRE PROTECTION WATER SYSTEMS AND EQUIPMENT SHALL BE ACCESSIBLE AND MAINTAINED IN OPERABLE CONDITION AT ALL TIMES, AND SHALL BE REPLACED OR REPAIRED WHERE DEFECTIVE. FIRE PROTECTION WATER SHALL BE MADE AVAILABLE TO THE FIRE DEPT.

FIRE DEPT. ACCESS ROADS, DRIVEWAYS, TURNOUTS, & TURNAROUNDS SHALL BE MAINTAINED FREE & CLEAR & ACCESSIBLE AT ALL TIMES FOR FIRE DEPT. USE. GATES SHALL BE MAINTAINED IN GOOD WORKING ORDER, & SHALL REMAIN IN COMPLIANCE WITH FIRE MARSHAL STANDARD CFMO-A3 AT ALL TIMES.

GATES: GATES SHALL NOT OBSTRUCT THE REQUIRED WIDTH OR VERTICAL CLEARANCE OF THE DRIVEWAY & MAY REQUIRE A FIRE DEPARTMENT LOCK BOX/GATE SWITCH TO ALLOW FOR FIRE DEPARTMENT ACCESS. INSTALLATION SHALL COMPLY WITH CFMO-A3.

W.U.I.: THIS PROJECT IS LOCATED IN THE WILDLAND/URBAN INTERFACE FIRE AREA. COMPLIANCE WITH W.U.I. REGULATIONS IS REQUIRED. A 100 FOOT DEFENSIBLE SPACE WILL BE REQUIRED AT ALL TIMES.

## SYMBOLS



## CONSULTANTS

### Geotechnical Report

Quantum Geotechnical, Inc.  
6288 San Ignacio Ave, Suite A  
San Jose, California 95119  
(408) 629-3822  
Project No. F064.G  
Dated: April 29, 2020

### Civil Engineer

Hanna - Brunetti  
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Gilroy, California 95020  
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### Biologist

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Santa Cruz, California 95061  
(831) 426-6226  
email: coastrange@sbcglobal.net

### Septic Design

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Redwood City, California 94064  
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email: christopherday@aol.com

## DRAWING INDEX

T1 Title Sheet

### Civil Drawings:

- 1 Cover Sheet & County Notes
- 2 Overall Site Plan
- 3 Preliminary Grading and Drainage Plan
- 4 Preliminary Grading and Drainage Plan Sections, Details, and Notes
- 5 Driveway Sections
- 6 Erosion Control Plan
- BMP-1 Best Management Practices
- BMP-2 Best Management Practices

### Design Drawings:

- A2.1 Main Level Floor Plan
- A2.2 Lower Level Floor Plan
- A3.1 Exterior Elevations
- A3.2 Exterior Elevations
- A4.1 Building Cross Sections
- A4.2 Building Cross Sections
- A5 Roof Plan
- A6 Floor Area Diagram

## SCOPE OF WORK

CONSTRUCT A NEW 4312 SQUARE FOOT SINGLE FAMILY RESIDENCE WITH A 981 SQUARE FOOT GARAGE/GYM, 900 SQUARE FOOT UN-CONDITIONED BASEMENT, AND A 226 SQUARE FOOT CELLAR.

## PROJECT DATA

### OWNER:

Doug and Heather Hayden  
710 Colleen Drive  
San Jose, California 95123  
(408) 896-3456

### LOT DATA:

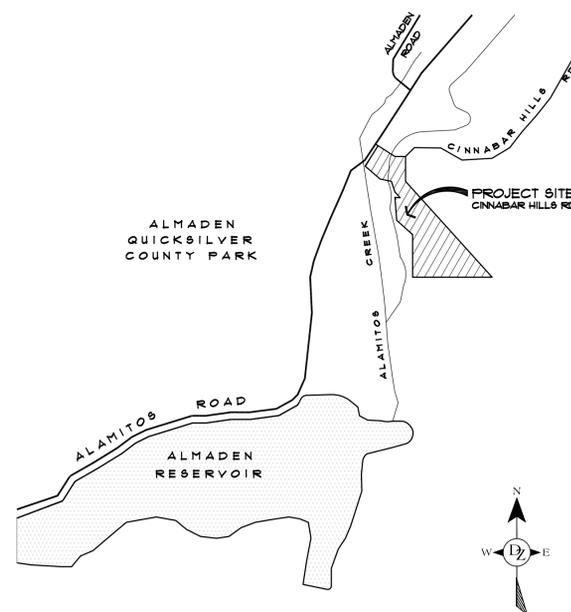
APN: 742-02-006  
Zoning: HS-SR-H1  
Lot Size: 25.386 Acres (Gross)  
Lot: Cinnabar Hills Road  
San Jose, California  
County of Santa Clara

Occupancy Group: R3/U  
Type of Construction: VB

### House Data:

3,535 sq. ft. Main Level  
447 sq. ft. Guest Suite  
3,982 sq. ft. Total Living Area  
93 sq. ft. Observation Tower  
939 sq. ft. Garage/Gym  
1,339 sq. ft. Unconditioned Storage  
6,419 sq. ft. Gross Floor Area  
1,341 sq. ft. Rear Terraces  
470 sq. ft. Lower Patio  
452 sq. ft. Observation Deck  
2,263 sq. ft. Total Terraces & Decks

## VICINITY MAP



## DEFERRED SUBMITTALS

# Hayden Residence

Custom Home

San Jose, California

Cinnabar Hills Road

NO./ DATE/ REVISION

THESE PLANS ARE INTENDED ONLY FOR THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY REVISIONS, ALTERATIONS, OR ADDITIONS TO THESE PLANS ARE THE RESPONSIBILITY OF THE DESIGNER. THESE PLANS ARE THE PROPERTY OF IZ DESIGN ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN CONSENT OF IZ DESIGN ASSOCIATES, INC. ANY USE OF THESE PLANS ON OTHER SITES IS PROHIBITED WITHOUT THE CONSENT OF IZ DESIGN ASSOCIATES, INC. THE DESIGNER ASSUMES NO LIABILITY FOR THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF IZ DESIGN ASSOCIATES PRIOR TO COMMENCEMENT OF THE PROJECT. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.



DRAWING TITLE	Title Sheet
JOB TITLE	Hayden Residence
JOB ADDRESS	Cinnabar Hills Road San Jose, California

DATE	NOV. 19, 2020
SCALE	N/A
PROJECT MANAGER	M. DAVIS
DRAWN	GZ
JOB NO.	023319
SHEET	T1

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 QUANTUM GEOTECHNICAL, INC. PROJECT NO. F064.G AND DATED APRIL 29th, 2020 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. 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. 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. 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. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA. 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. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR. 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. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (408) 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 B6-18). THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION. 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. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR. 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. 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. IN ACCORDANCE WITH THE CALIFORNIA PROFESSIONAL LAND SURVEYORS' ACT (BUSINESS AND PROFESSIONS CODE) CHAPTER 15 SECTIONS 8771 AND 8725.1, CALIFORNIA PENAL CODE 806, AND CALIFORNIA GOVERNMENT CODE 27581, ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING ROADWAY/STREET MONUMENT, PROPERTY CORNER, OR ANY OTHER PERMANENT SURVEYED MONUMENT AND/OR AS SHOWN ON THIS TENTATIVE MAP SHALL ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR OFFICE PRIOR TO DISTURBING SAID MONUMENTS. ALL DISTURBED OR DESTROYED MONUMENTS SHALL BE RESET AND FILED IN COMPLIANCE WITH SECTION 8771.

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND 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 PROCESSES OF CONSTRUCTION TO OBSERVE THEIR COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDENT OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL NOTIFY THE COUNTY LAND DEVELOPMENT INSPECTOR AT PHONE (408) 299-6868 AT LEAST 24 HOURS 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 NOTED ON THE PERMIT FORM. 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 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.

Table with 4 columns: LOCATION, CUT (C.Y.), FILL (C.Y.), VERT. DEPTH. Rows include RESIDENCE, YARD, DRIVEWAY, POND 1, POND 2, and TOTAL.

- 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 38,669 SF. 15. VOID NO. 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 GUIDELINES, AND INCLUDE THE FOLLOWING: A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIFLINE OF THE TREE OR GROVE OF TREES. B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL 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 PLACE 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. 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 ELECTROUSER 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 TO CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED. A. 15 MILES PER HOUR (MPH) SPEED LIMIT B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES C. TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAINT HOTLINE OF 1-800-334-6367. 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 SEEDED 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 INTO 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 RESEEDED 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 WATERWAYS, 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 WEATHER 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 NECESSARY. FAILURE TO INSTALL SITE AND SITUATIONALLY 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 CAS612008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS00004 / 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 ALCU 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.

COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITEE, 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 DEPARTURE 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.

GEOTECHNICAL ENGINEER OBSERVATION

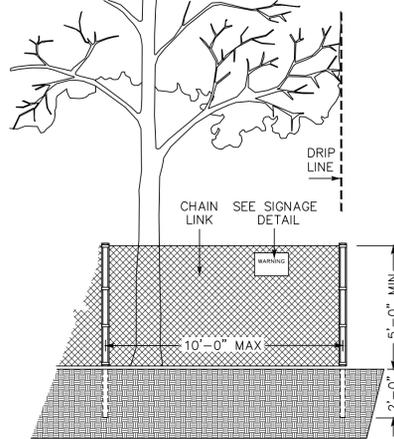
- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING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



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.

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS ISSUED BY: DATE: ENCROACHMENT PERMIT NO.

COUNTY OF SANTA CLARA LAND DEVELOPMENT ENGINEERING & SURVEYING GRADING/DRAINAGE PERMIT NO. ISSUED BY: DATE:

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.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

ENGINEER'S STATEMENT

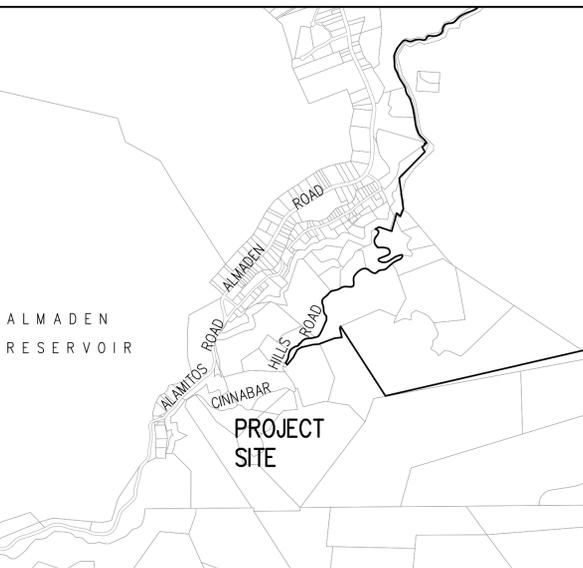
I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE APPROVED TENTATIVE MAP (OR PLAN) AND CONDITIONS OF APPROVAL PERTAINING THERETO DATED FILE(S) NO.

DATE 69278 R.C.E. NO. EXP 6-30-

CHRISTOPHER L. FREITAS

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITEE, 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 DEPARTURE 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 R.C.E. NO. 42107 EXPIRES 3/31/



VICINITY MAP NO SCALE

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. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND CERTIFIED ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGICAL REPORTS SHALL BE SUBMITTED PRIOR TO GRADING COMPLETION AND RELEASE OF BOND. 3. CLEAR & GRUB DRIVEWAY AND BUILDING SITE 4. CONSTRUCT DRIVEWAY AND BUILDING PAD 5. INSTALL STORM DRAIN SYSTEM 6. CONSTRUCT DRIVEWAY APPROACH 7. CONSTRUCT DETENTION PONDS 8. INSTALL WATER TANKS AND PAD 9. REMOVE EXISTING TREES (PER PLAN OR AS DIRECTED BY ARBORIST)

SEPARATE BUILDING PERMIT

- 1. INSTALL SEPTIC SYSTEM 2. CONSTRUCT RETAINING WALL

SHEET INDEX

Table with 2 columns: Sheet Number, Sheet Description. Includes COVER SHEET, OVERALL SITE PLAN, PRELIMINARY GRADING & DRAINAGE PLAN, STORM CHAMBER DETAILS, DETAILS, NOTES, ABBREVIATIONS & LEGEND, DRIVEWAY SECTIONS, EROSION CONTROL PLAN, BEST MANAGEMENT PRACTICES.

ENGINEER'S NAME: HANNA & BRUNETTI ADDRESS: 7651 EIGLEBERRY STREET, GILROY CA 95020 PHONE NO. 408 842-2173 FAX NO. 408 842-3662

PRELIMINARY IMPROVEMENT PLANS

FOR THE HOME GRADING AND DRAINAGE ON THE LANDS OF HAYDEN CINNABAR HILLS ROAD, SAN JOSE

A PORTION OF SAN VICENTE RANCHO PER DOCUMENT NO. 24173859 SANTA CLARA COUNTY, CALIFORNIA A.P.N.: 742-02-006

Table with 4 columns: Revision, Date, APN, Sheet. Shows Revision 1, 2, 3 and Sheet 1 of 9.

DECEMBER 2020 NO SCALE JOB NO. 19039

APPLICANT: HAYDEN

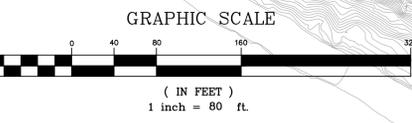
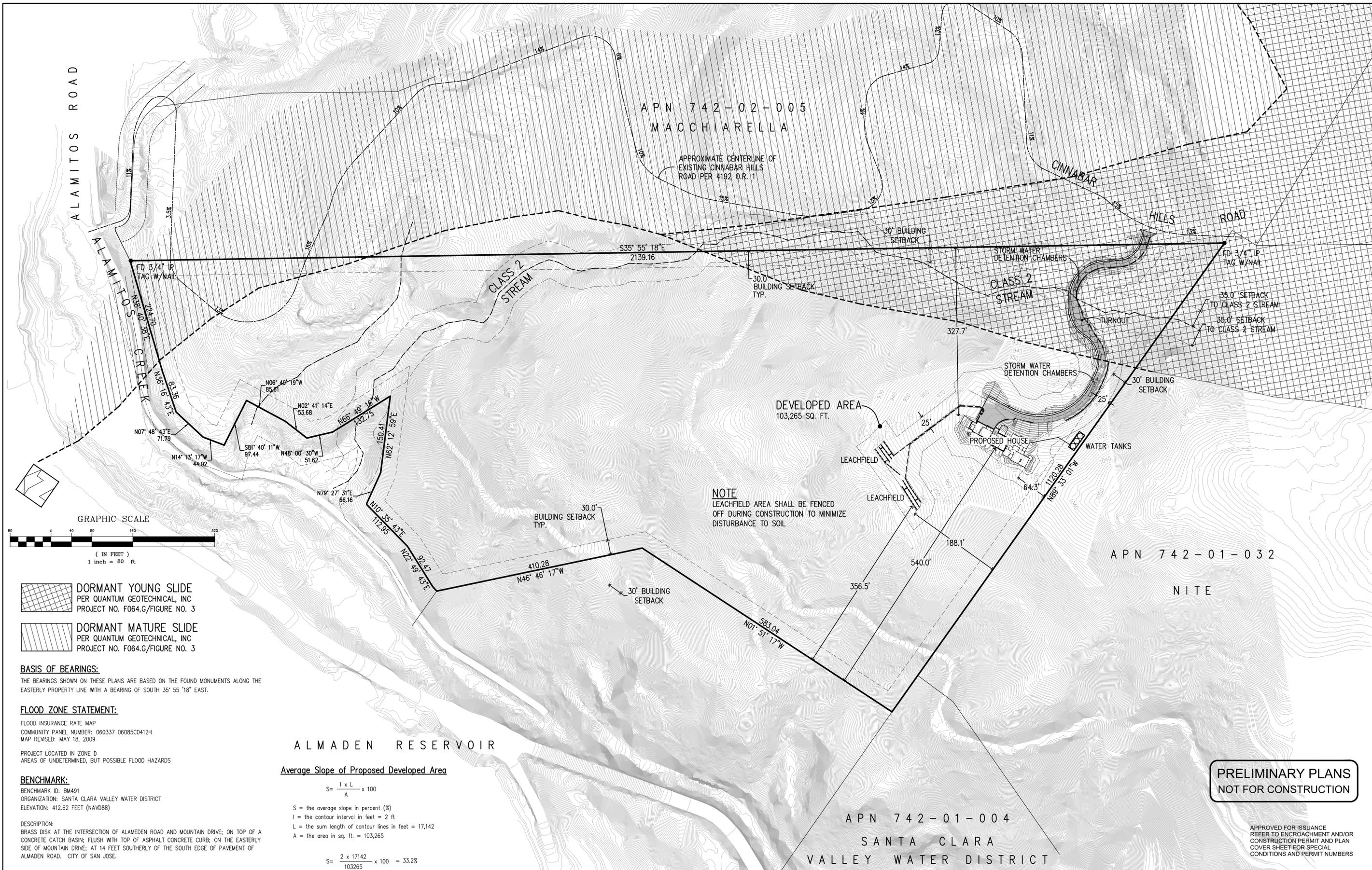
ROAD: CINNABAR HILLS ROAD

COUNTY FILE NO.:

JOB NO. 19039

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET



- DORMANT YOUNG SLIDE PER QUANTUM GEOTECHNICAL, INC PROJECT NO. F064.G/FIGURE NO. 3
- DORMANT MATURE SLIDE PER QUANTUM GEOTECHNICAL, INC PROJECT NO. F064.G/FIGURE NO. 3

**BASIS OF BEARINGS:**  
THE BEARINGS SHOWN ON THESE PLANS ARE BASED ON THE FOUND MONUMENTS ALONG THE EASTERLY PROPERTY LINE WITH A BEARING OF SOUTH 35° 55' 18" EAST.

**FLOOD ZONE STATEMENT:**  
FLOOD INSURANCE RATE MAP  
COMMUNITY PANEL NUMBER: 060337 06085C0412H  
MAP REVISED: MAY 18, 2009  
PROJECT LOCATED IN ZONE D  
AREAS OF UNDETERMINED, BUT POSSIBLE FLOOD HAZARDS

**BENCHMARK:**  
BENCHMARK ID: BM491  
ORGANIZATION: SANTA CLARA VALLEY WATER DISTRICT  
ELEVATION: 412.62 FEET (NAVD88)  
  
DESCRIPTION:  
BRASS DISK AT THE INTERSECTION OF ALAMEDEN ROAD AND MOUNTAIN DRIVE; ON TOP OF A CONCRETE CATCH BASIN; FLUSH WITH TOP OF ASPHALT CONCRETE CURB; ON THE EASTERLY SIDE OF MOUNTAIN DRIVE; AT 14 FEET SOUTHERLY OF THE SOUTH EDGE OF PAVEMENT OF ALAMEDEN ROAD. CITY OF SAN JOSE.

**ALMADEN RESERVOIR**

**Average Slope of Proposed Developed Area**

$$S = \frac{I \times L}{A} \times 100$$

S = the average slope in percent (%)  
I = the contour interval in feet = 2 ft  
L = the sum length of contour lines in feet = 17,142  
A = the area in sq. ft. = 103,265

$$S = \frac{2 \times 17142}{103265} \times 100 = 33.2\%$$

**NOTE**  
LEACHFIELD AREA SHALL BE FENCED OFF DURING CONSTRUCTION TO MINIMIZE DISTURBANCE TO SOIL

**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

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

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: DECEMBER 2020  
HORIZ. SCALE: 1"=80'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_ 20  
Hanna - Brunetti  
  
Amanda Joy Musy-Verdel  
R.C.E. # 69278  
expires: 6/30/



REFERENCES

UNINCORPORATED  
DECEMBER 2020

**SITE CONSTRAINTS MAP**

Lands of Hayden - Cinnabar Hills Road - apn 742-02-006

COUNTY FILE NO.:

SHEET **2** OF 9  
JOB NO. 19039

APPLICANT: HAYDEN

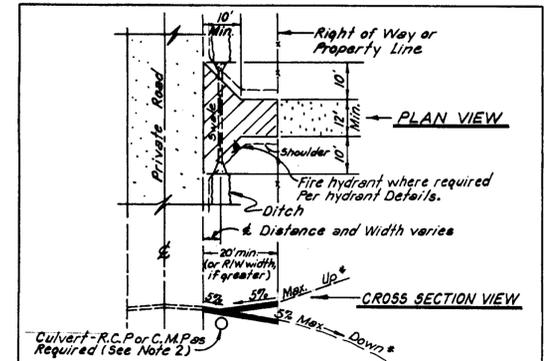
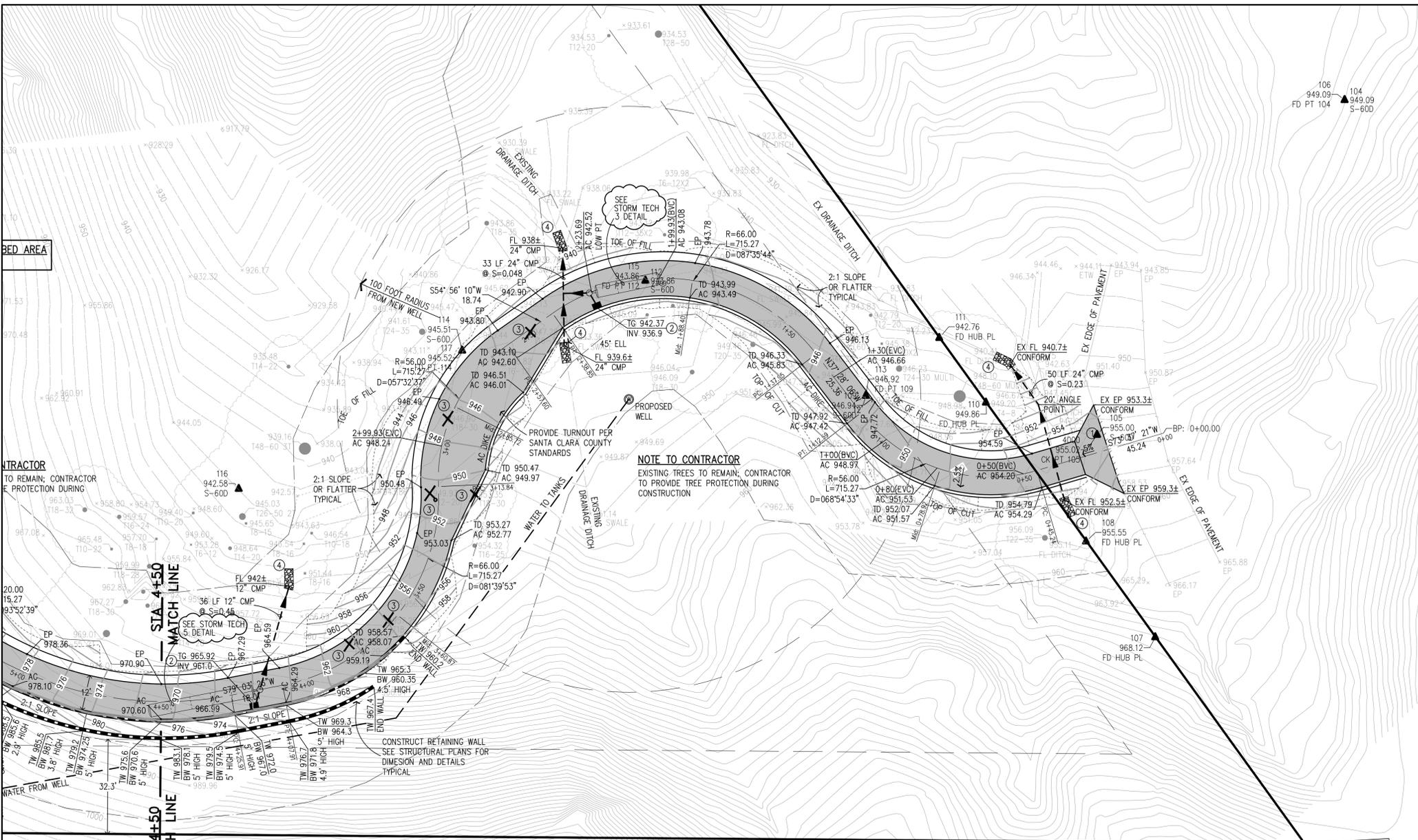
ROAD: CINNABAR HILLS ROAD

SANTA CLARA COUNTY  
CALIFORNIA

JOB NO. 19039

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PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET



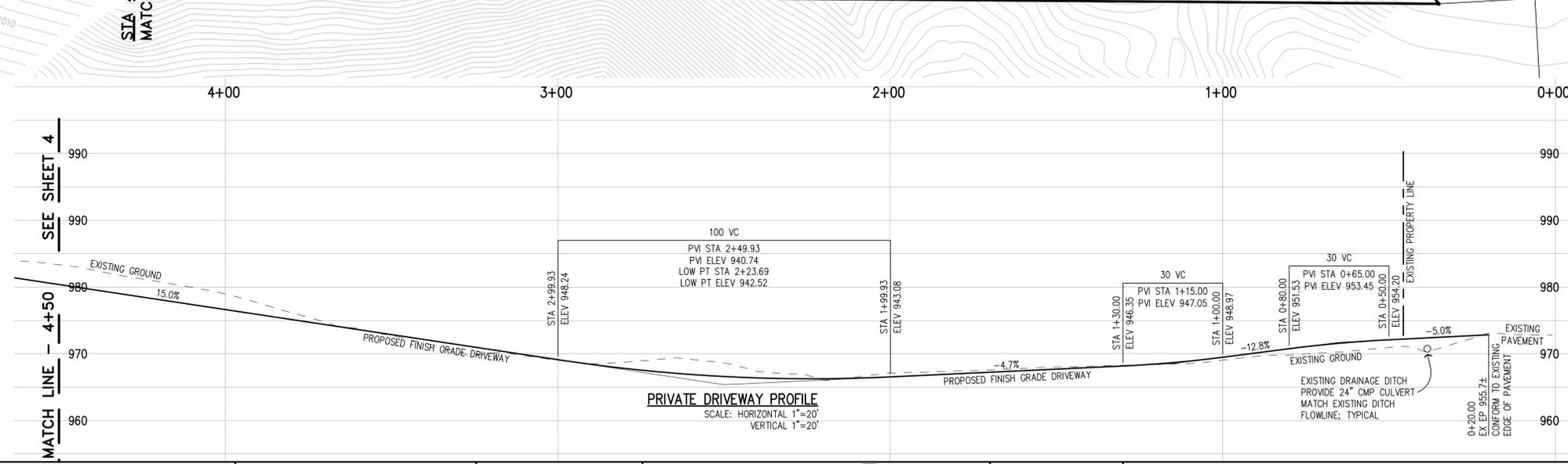
**DRIVEWAY APPROACH**  
Connection to Private Road

\* Maximum grade as per Fire Marshal

- NOTES**
- 1) Culvert plus swale shall accommodate maximum flow. Minimum culvert size to be 12" Culvert shall extend 1' beyond each toe of shoulder. Provide headwalls and/or rip-rap as required. C.M.P. to be not less than 14 gauge.
  - 2) Culvert may be omitted where no roadside ditch exists with written approval of County Surveyor.
  - 3) Driveway approach base & paving to be same as or better than ultimate private road base & pavement.
  - 4) See Driveway section (this manual) for more information.

Approved: <i>[Signature]</i> Date: _____ Land Dev., Engineering & Surveying	COUNTY OF SANTA CLARA ENVIRONMENTAL MANAGEMENT / GENERAL SERVICES AGENCY
No. _____ Revision _____ Date _____	DRIVEWAY APPROACH (PRIVATE ROAD) <b>SD 4</b>

- CONSTRUCTION NOTES:**
- 1) CONSTRUCT DRIVEWAY APPROACH PER COUNTY STANDARD SD/4 CONFORM TO EXISTING EDGE OF PAVEMENT
  - 2) FURNISH & INSTALL 2'x3' CATCH BASIN CHRISTY TYPE "U-SERIES" (U32) WITH TRAFFIC RATED GRATE; OR APPROVED EQUAL.
  - 3) EXISTING TREE TO BE REMOVED
  - 4) PROVIDE ROCK RIP-RAP AT BOTH END OF PIPE 3' WIDE x 6' LONG; 4-6 INCH MIN. DIA. ROCK SIZE 2 COURSES



**PRELIMINARY PLANS**  
NOT FOR CONSTRUCTION

**REVISIONS:**

DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EICKLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: DECEMBER 2020  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: 1"=10'  
DESIGNED BY: AM.  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM.

date: \_\_\_\_\_ 20  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278  
expires: 6/30/

**REFERENCES**

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**Preliminary Grading & Drainage Plan**  
Lands of Hayden - Cinnabar Hills Road - apn 742-02-006  
UNINCORPORATED  
DECEMBER 2020  
SANTA CLARA COUNTY  
CALIFORNIA

SHEET **3**  
OF 9  
JOB NO. 19039

APPLICANT: HAYDEN

ROAD: CINNABAR HILLS ROAD

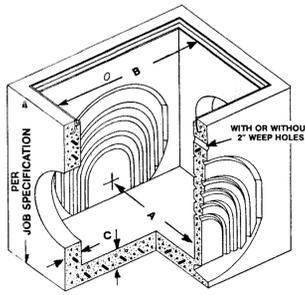
COUNTY FILE NO.:

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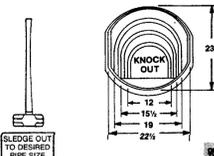
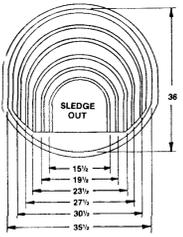
**Christy**

**"U" Series Catch Basins**



Product Number	Dimensions		
	A	B	C
U21	2'	2'	4"
U23	2'	2'	6"
U32	2'	3'	6"
U36	2'	4'	5"
U43	3'	3'	6"
U52	3'	4'	6"

"U" Series Catch Basins are specifically designed as a "heavy duty" standard for drainage installations. They provide the greater labor savings, quality and simplicity that standardization of pre-cast unit makes possible over pour-in-place installations. Standard grade rings are available in 6" increments up to 4' high. Customer specified top edge choices cast into box or grade ring.



QUALITY PRECAST CONCRETE PRODUCTS

**Cast Iron & Welded Steel Grates**

**Christy**

LIGHT DUTY CAST IRON

HEAVY DUTY CAST IRON



48% OPEN FLOW AREA

Catch Basin No.	Christy Ordering Code	I.D. Catch Basin	Approx. Wt. Per Set
U21	U21-71CLD	2' x 2'	125
U23	U23-71CLD	2' x 2'	125

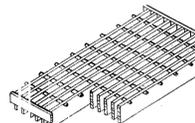
Grate Size: U21 26 1/2" x 26 1/2", U23 26 1/2" x 26 1/2"

41% OPEN FLOW AREA

Catch Basin No.	Christy Ordering Code	I.D. Catch Basin	Approx. Wt. Per Set
U21	U21-71CHD	2' x 2'	230
U23	U23-71CHD	2' x 2'	230

Grate Size: U21 26 1/2" x 26 1/2", U23 26 1/2" x 26 1/2"

WEILED STEEL GRATES WITH CROSS BARS



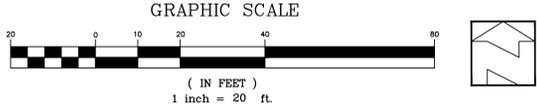
77% OPEN FLOW AREA

Catch Basin No.	Christy Ordering Code	I.D. Catch Basin	Approx. Wt. Per Set
U21	U21-71WHD	2' x 2'	165
U23	U23-71WHD	2' x 2'	185
U36	U36-71WHD	2' x 4'	270
U43	U43-71WHD	3' x 4'	295
U52	U52-72WHD	3' x 4'	390

Grate Size: U21 23 1/2" x 29", U23 23 1/2" x 29", U36 23 1/2" x 53", U43 35 1/2" x 43", U52 17 1/2" x 53"

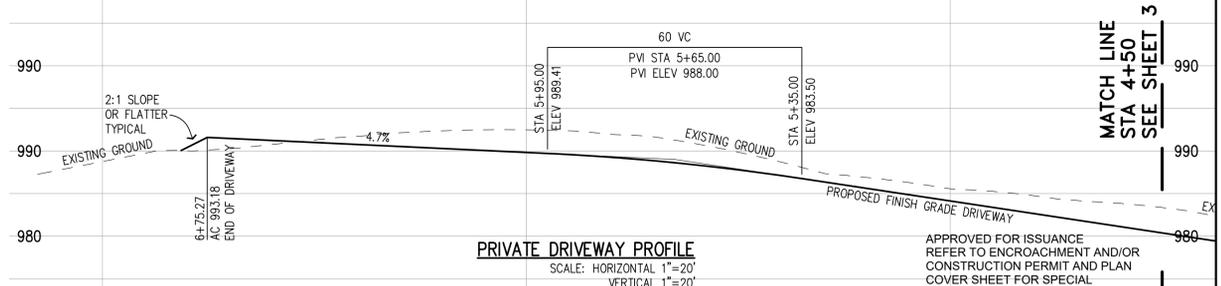


QUALITY PRECAST CONCRETE PRODUCTS



**PRELIMINARY PLANS NOT FOR CONSTRUCTION**

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REVISIONS:

DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
 CIVIL ENGINEERS - LAND SURVEYORS  
 CONSTRUCTION MANAGERS  
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 OFFICE (408) 842-2173 - FAX (408) 842-3682  
 EMAIL: ENGINEERS@HANNABRUNETTI.COM

DATE: DECEMBER 2010  
 HORIZ. SCALE: 1"=20'  
 VERT. SCALE: 1"=20'  
 DESIGNED BY: AM.  
 CHECKED BY: TM.  
 DRAWN BY: TM.

date: 12/20/20  
 Hanna - Brunetti  
 Amanda Joy Musy-Verdel  
 R.C.E. # 69278  
 expires: 6/30/

REFERENCES


UNINCORPORATED  
 DECEMBER 2020

**Preliminary Grading & Drainage Plan**

Lands of Hayden - Cinnabar Hills Road - apn 742-02-006

SANTA CLARA COUNTY CALIFORNIA

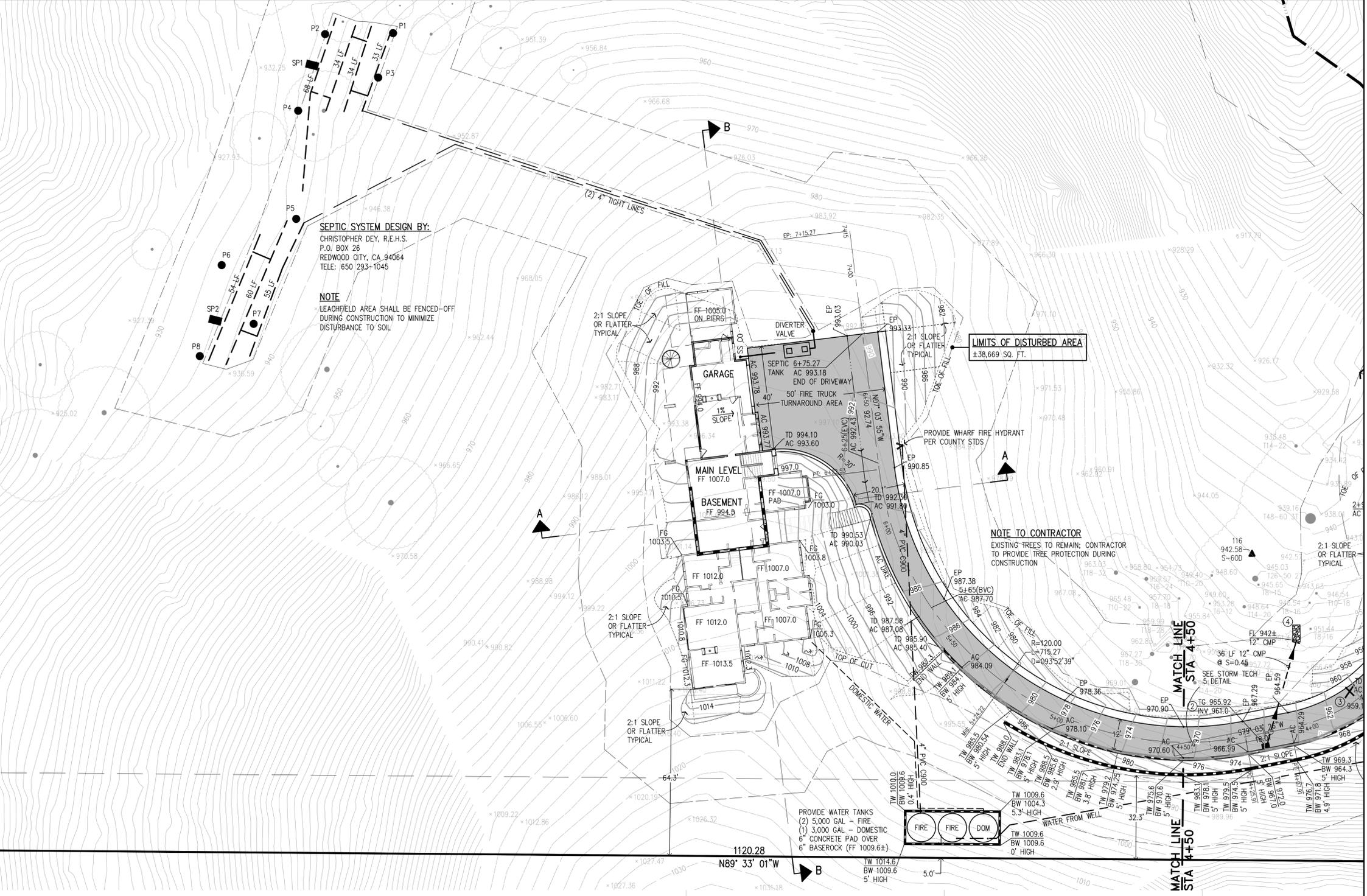
SHEET 4 OF 9  
 JOB NO. 19039

APPLICANT: HAYDEN

ROAD: CINNABAR HILLS ROAD

COUNTY FILE NO.:

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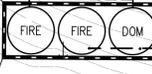
SEPTIC SYSTEM DESIGN BY:  
 CHRISTOPHER DEY, R.E.H.S.  
 P.O. BOX 26  
 REDWOOD CITY, CA 94064  
 TELE: 650 293-1045

NOTE  
 LEACHFIELD AREA SHALL BE FENCED-OFF DURING CONSTRUCTION TO MINIMIZE DISTURBANCE TO SOIL

LIMITS OF DISTURBED AREA  
 ±38,669 SQ. FT.

NOTE TO CONTRACTOR  
 EXISTING TREES TO REMAIN; CONTRACTOR TO PROVIDE TREE PROTECTION DURING CONSTRUCTION

PROVIDE WATER TANKS  
 (2) 5,000 GAL - FIRE  
 (1) 3,000 GAL - DOMESTIC  
 CHRISTY TYPE "U-SERIES" (U32) WITH TRAFFIC RATED GRATE; OR APPROVED EQUAL.  
 6" CONCRETE PAD OVER 6" BASEROCK (FF 1009.6±)



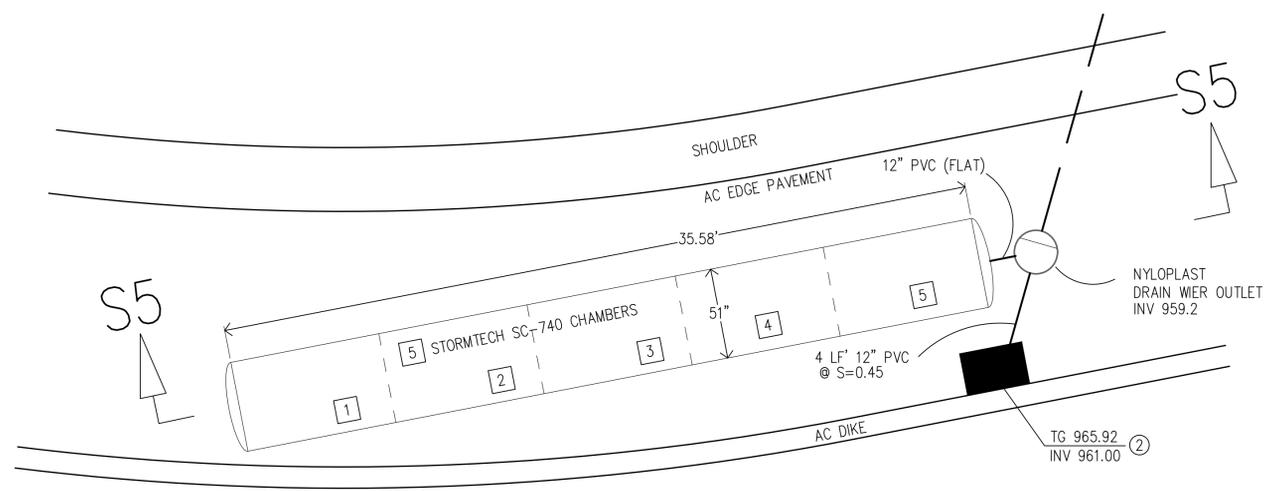
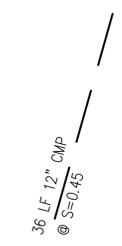
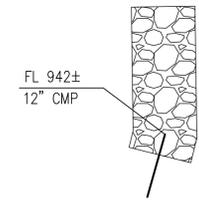
MATCH LINE STA 4+50  
 MATCH LINE STA 4+50

MATCH LINE STA 4+50  
 SEE SHEET 3

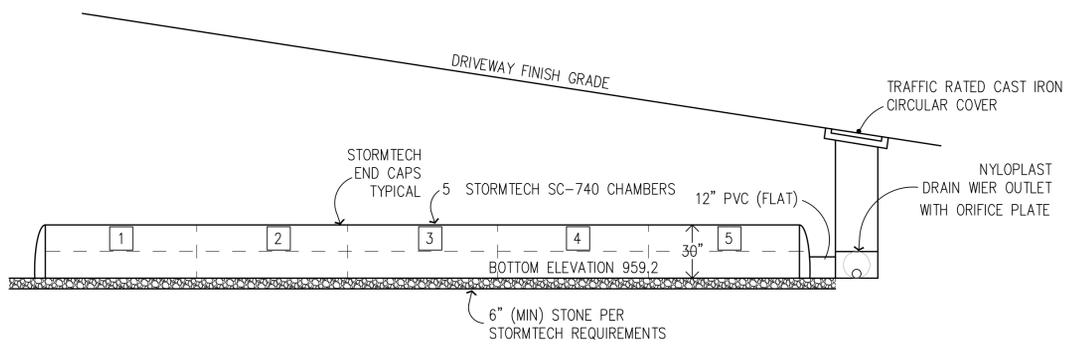
APPROVED FOR ISSUANCE  
 REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERS

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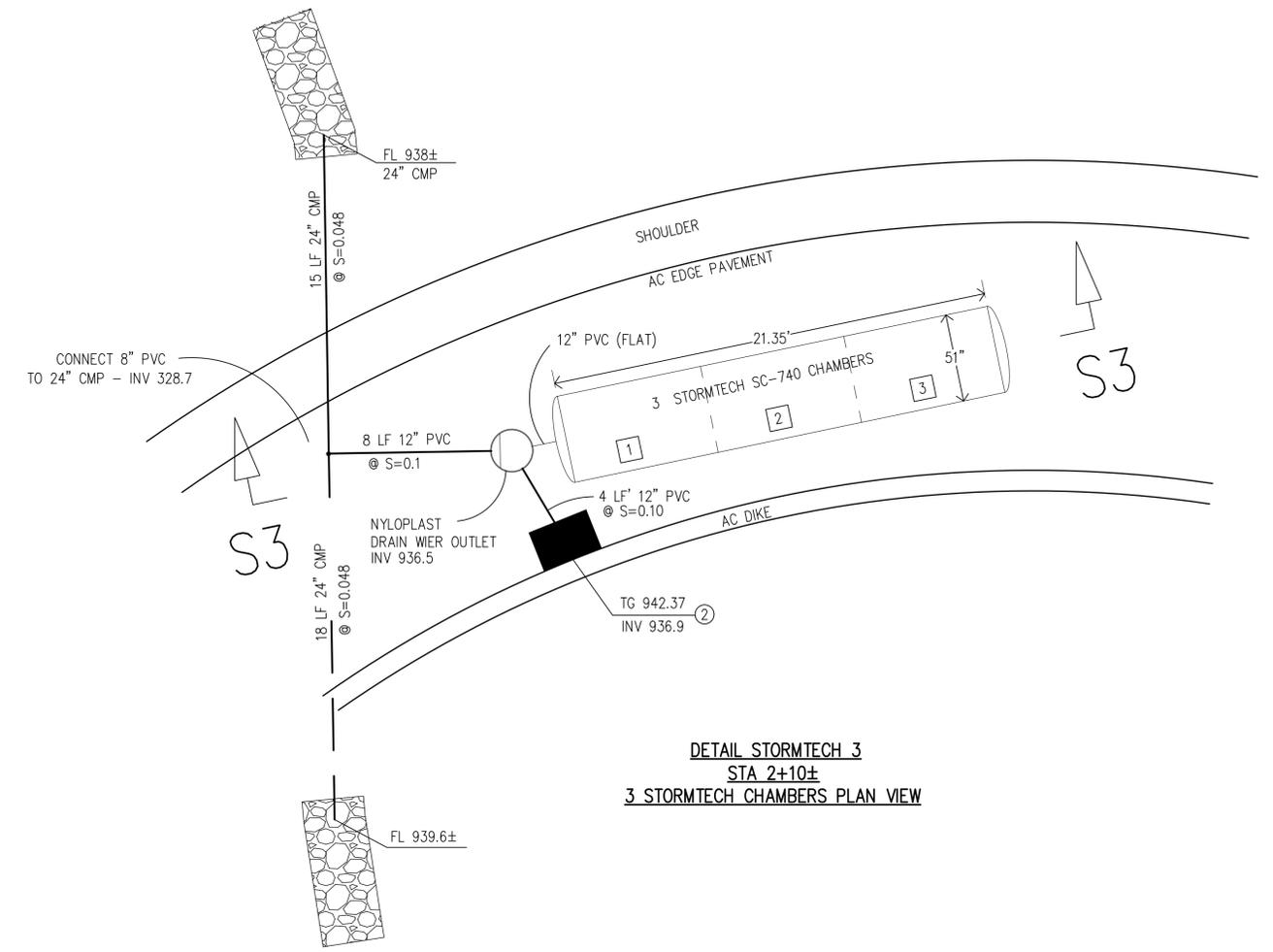
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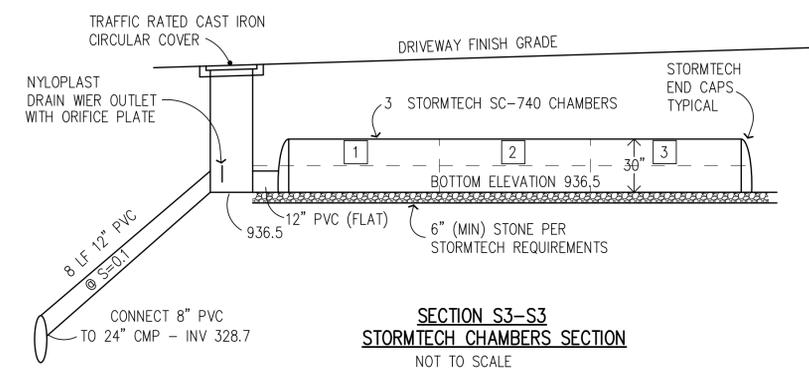
**DETAIL STORMTECH 5  
STA 4+35±  
5 STORMTECH CHAMBERS PLAN VIEW**



**SECTION S5-S5  
STORMTECH CHAMBERS SECTION  
SCALE: 1"=5'**



**DETAIL STORMTECH 3  
STA 2+10±  
3 STORMTECH CHAMBERS PLAN VIEW**



**SECTION S3-S3  
STORMTECH CHAMBERS SECTION  
NOT TO SCALE**

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1976  
CIVIL ENGINEERS • LAND SURVEYORS  
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7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA  
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REFERENCES

UNINCORPORATED  
DECEMBER 2020

**Storm Chamber Details**

Lands of Hayden - Cinnabar Hills Road - apn 742-02-006

SANTA CLARA COUNTY  
CALIFORNIA

APPROVED FOR ISSUANCE  
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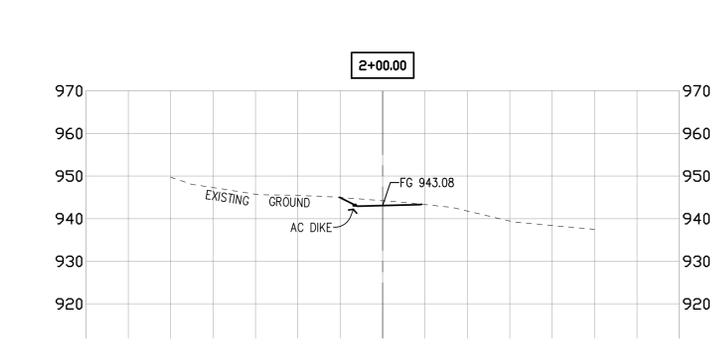
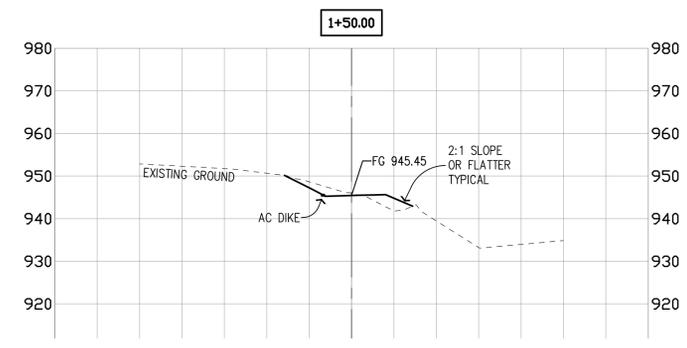
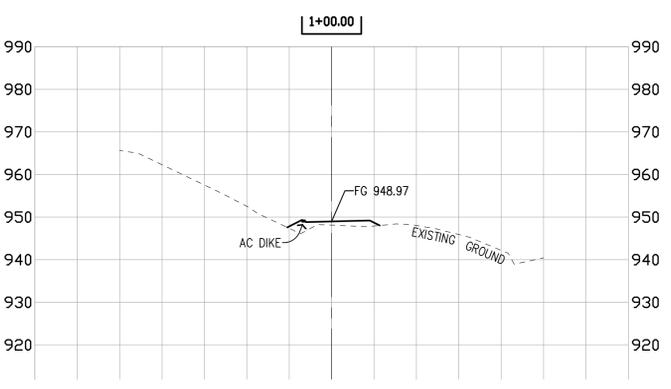
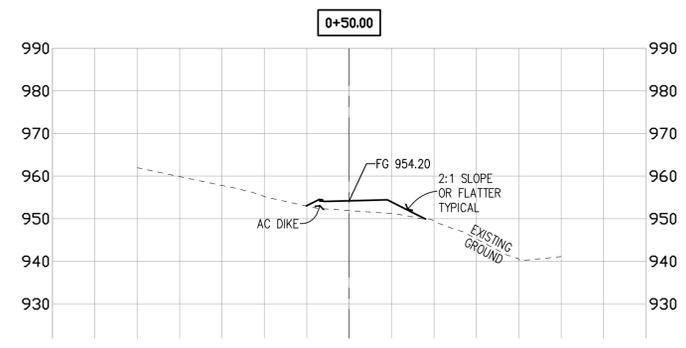
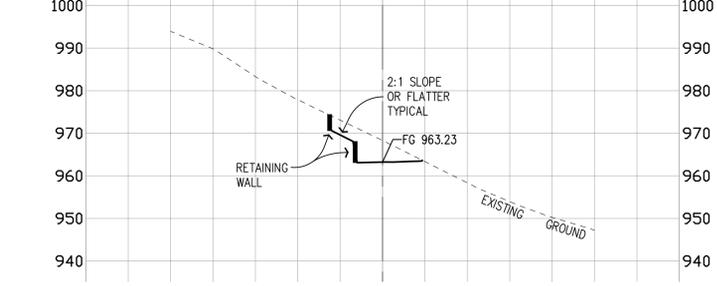
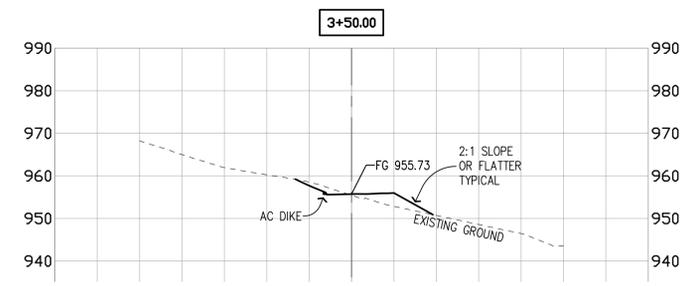
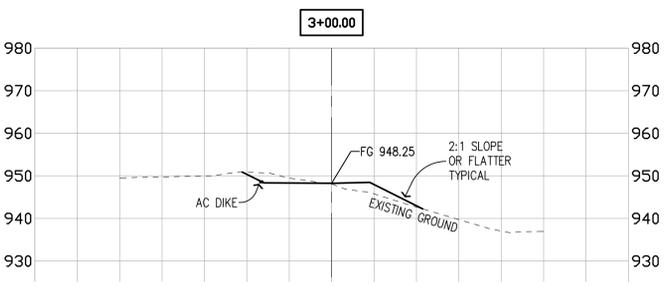
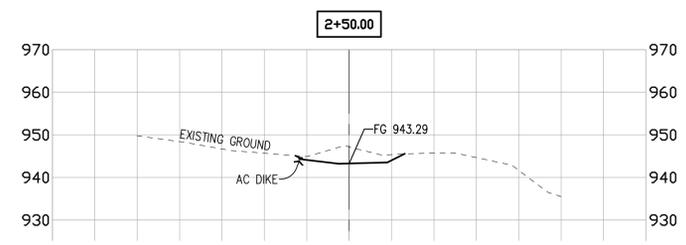
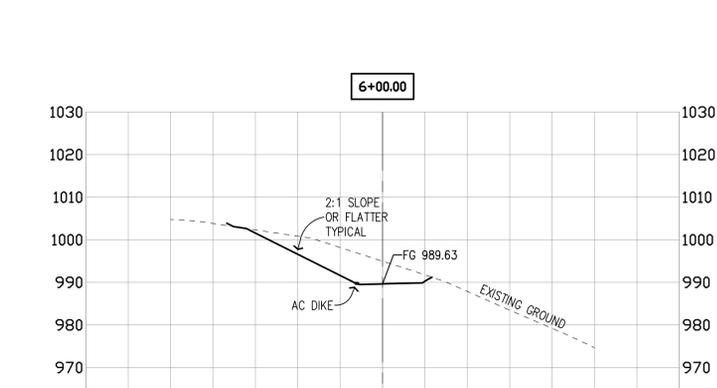
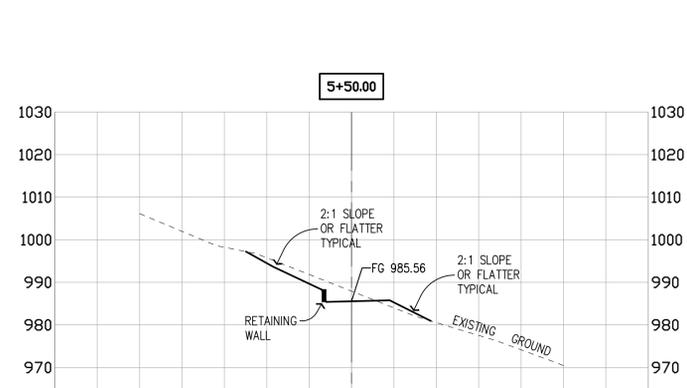
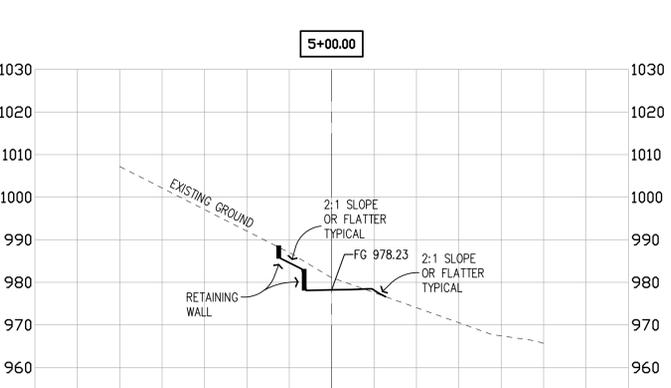
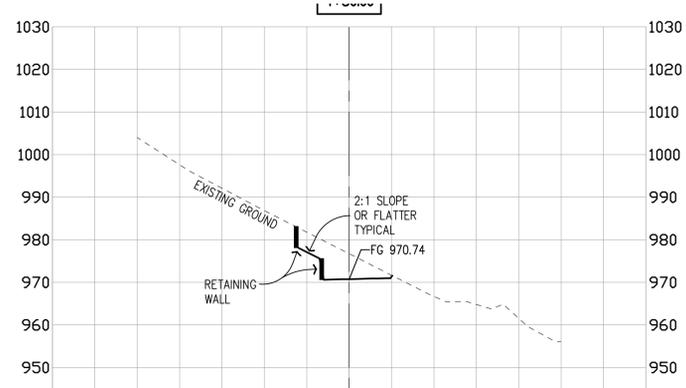
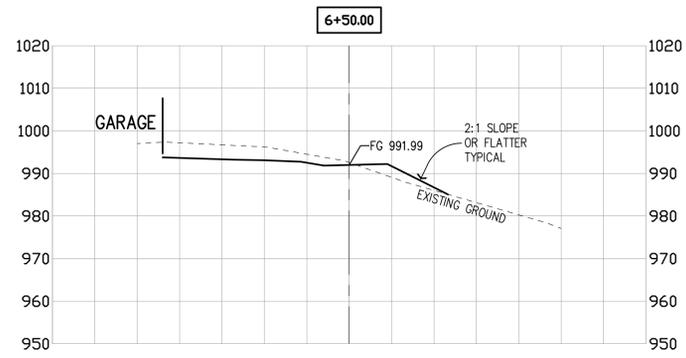
APPLICANT: HAYDEN

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REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
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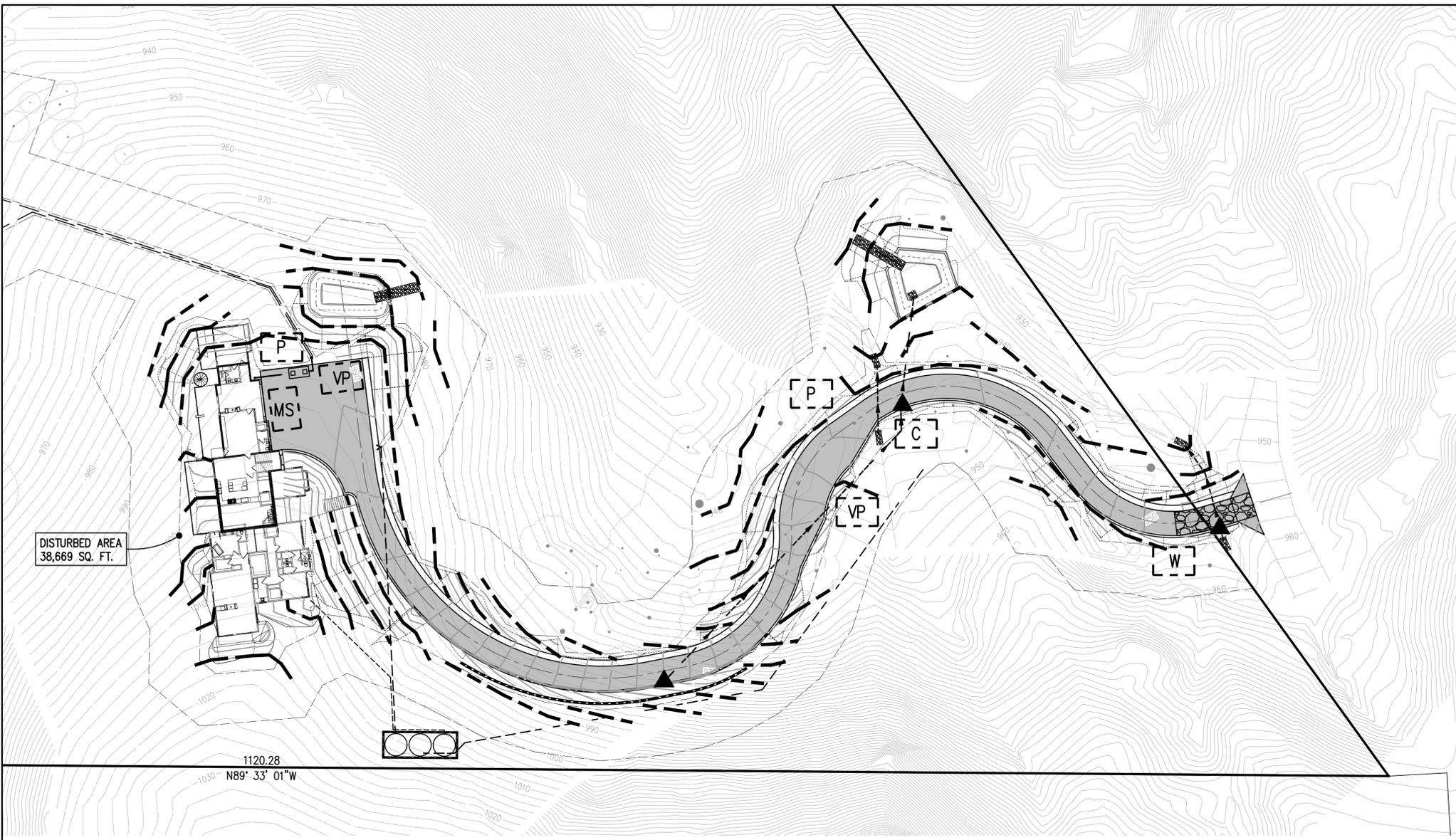
# Driveway Sections

Lands of Hayden - Cinnabar Hills Road - apn 742-02-006

SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**6**  
OF 9  
JOB NO. 19039

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**EROSION CONTROL NOTES**

1. EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; OCTOBER 15 THROUGH APRIL 15.
2. NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR AND FREE OF SILTS.
3. A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALL ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
4. ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
5. THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE COUNTY.
6. PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PER DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE COUNTY.
7. ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
8. ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
11. ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
12. INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRATOR SHALL MAINATN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
13. IF THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.

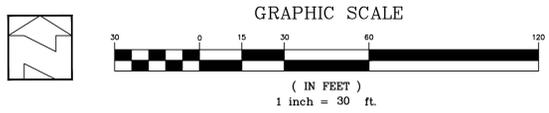
**HYDROSEED TABLE**

ITEM	LBS/ACRE
COMMON BARLEY	45
ANNUAL RYEGRASS	45
CRIMSON CLOVER	10
FERTILIZER 7-2-3	400
FIBER MULCH	2000
TACKIFIER	100

14. ALL GRADING WORK BETWEEN OCTOBER 15th AND APRIL 15th IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
15. PROVIDE SHRUBS AND/OR TREES REQUIRED ON SLOPES GREATER THAN 15 FEET IN VERTICAL HEIGHT.
16. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL INSTALL AND MAINTAIN THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL WITHIN THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS, AND SEDIMENT CAUSED BY EROSION FROM CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAIN SYSTEM, WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMP'S SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING PRACTICES APPLICABLE TO THE PUBLIC ROAD AND EXPRESSWAY FACILITIES:
  - A) REDUCTION 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 PUBLIC ROAD RIGHT OF WAY.
  - C) PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY
17. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER 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 MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY SHALL HAVE SEASONALLY APPROPRIATE BMP'S INSTALLED AND MAINTAINED AT ALL TIMES.

**LEGEND**

-  PROVIDE CONSTRUCTION ENTRANCE/EXIT PER DETAIL TC-1
-  PROVIDE FIBER ROLL SLOPE PROTECTION PER DETAIL SE-5
-  PROVIDE STORM DRAIN INLET PROTECTION PER DETAIL SE-10
- P** PORT-O-LET WITH SECONDARY CONTAINMENT
- W** WATER TO WASHDOWN VEHICLES LEAVING SITE
- C** CONCRETE WASHDOWN AREA
- VP** VEHICLE PARKING AREA
- MS** MATERIAL STORAGE AREA



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

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

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: DECEMBER 2020  
HORIZ. SCALE: 1"=30'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_ 20  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278  
expires: 6/30/



REFERENCES

UNINCORPORATED  
DECEMBER 2020

**Erosion Control Plan**

Lands of Hayden - Cinnabar Hills Road - apn 742-02-006

SHEET  
**7**  
OF 9  
JOB NO.  
**19039**

APPLICANT: HAYDEN

ROAD: CINNABAR HILLS ROAD

COUNTY FILE NO.:

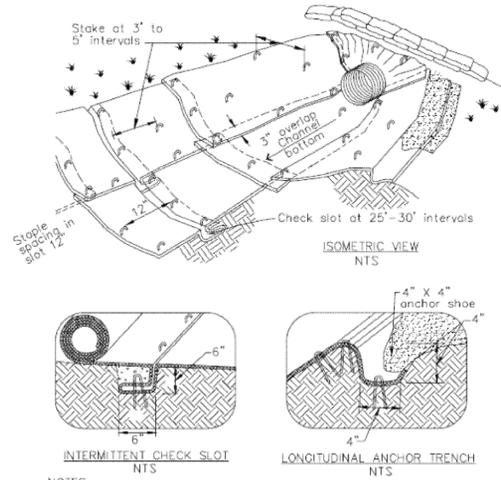
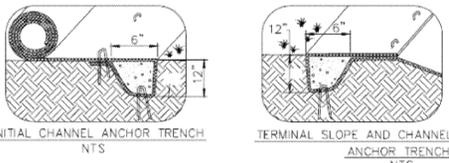
JOB NO. 19039



7

### Geotextiles and Mats

CASQA Detail EC-7



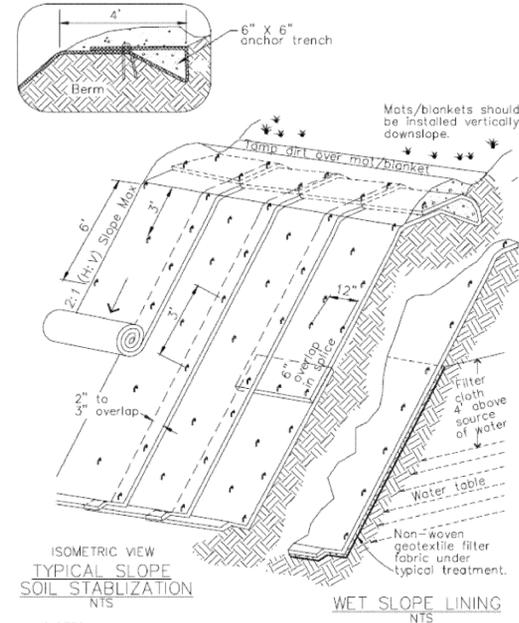
- NOTES:
1. Check slots to be constructed per manufacturers specifications.
  2. Staking or stapling layout per manufacturers specifications.
  3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

5

### Geotextiles and Mats

CASQA Detail EC-7



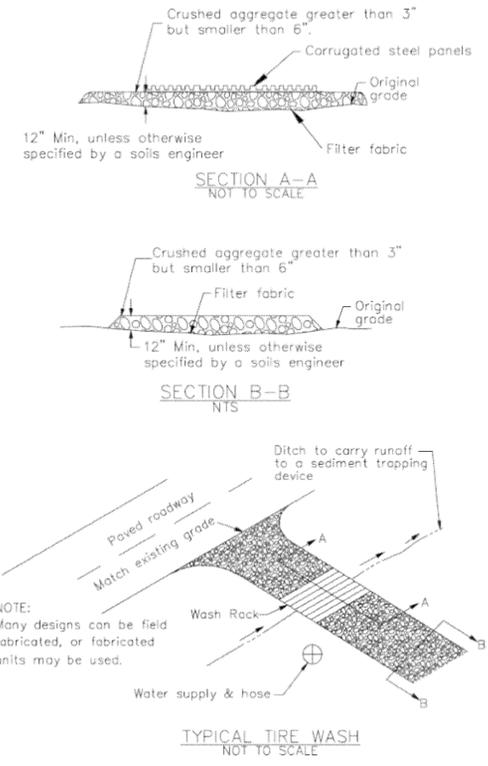
- NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
  2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
  3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

3

### Entrance/Outlet Tire Wash

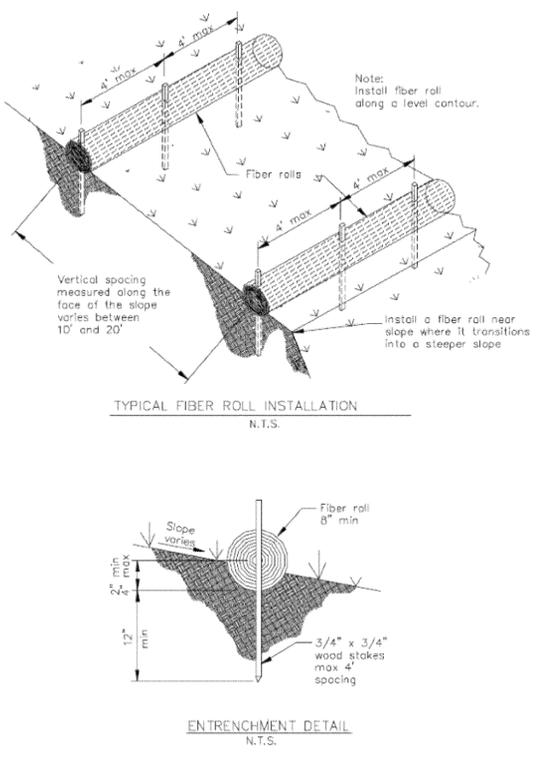
CASQA Detail TC-3



1

### Fiber Rolls

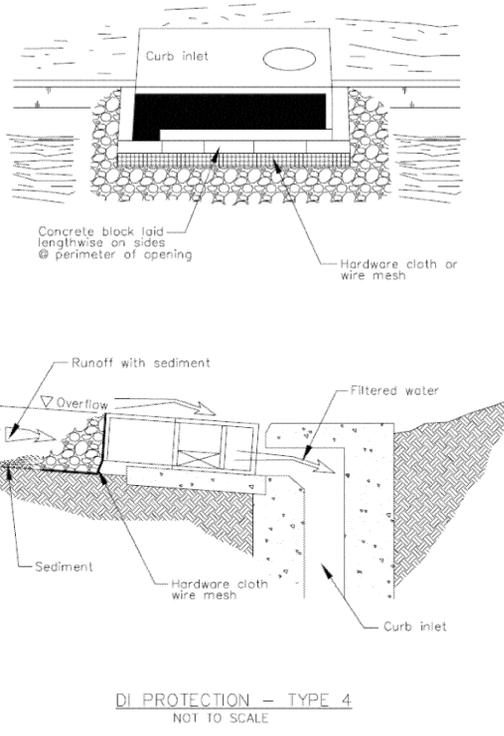
CASQA Detail SE-5



8

### Storm Drain Inlet Protection

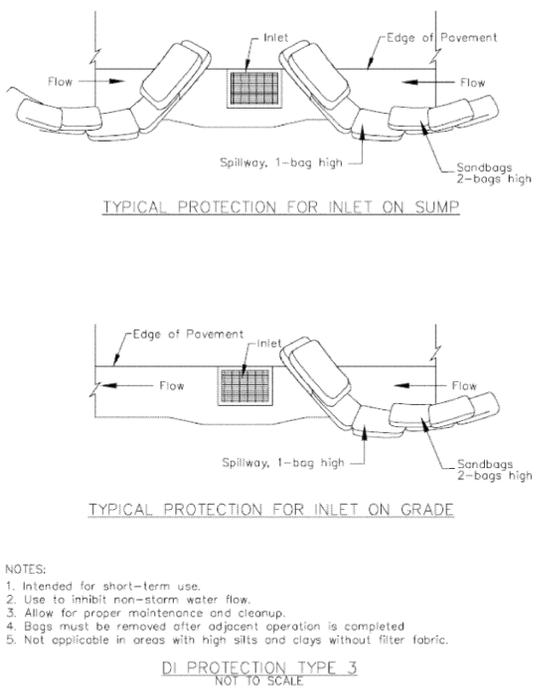
CASQA Detail SE-10



6

### Storm Drain Inlet Protection

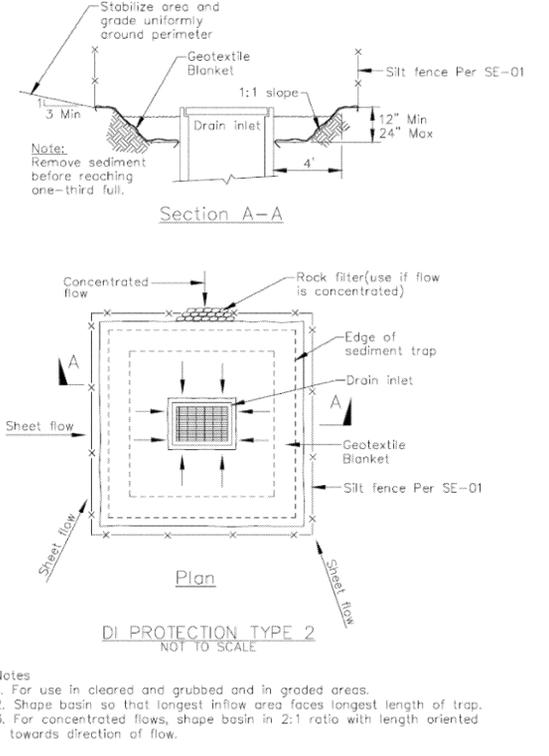
CASQA Detail SE-10



4

### Storm Drain Inlet Protection

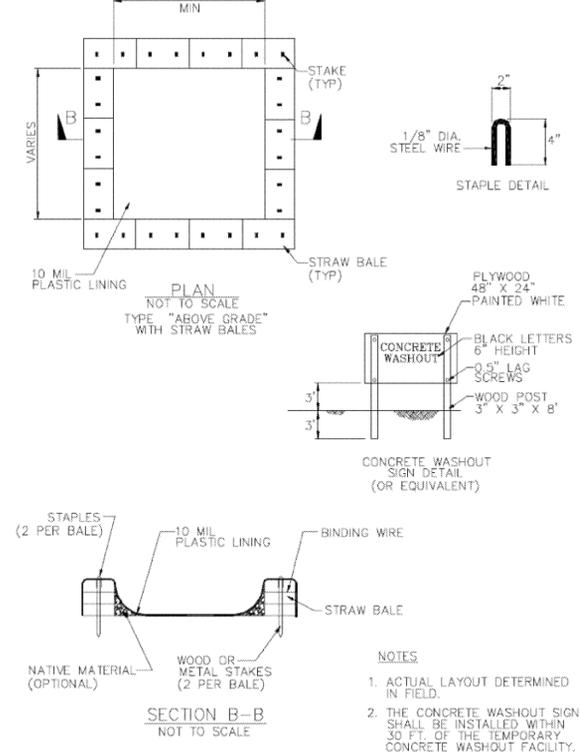
CASQA Detail SE-10



2

### Concrete Waste Management

CASQA Detail WM-8



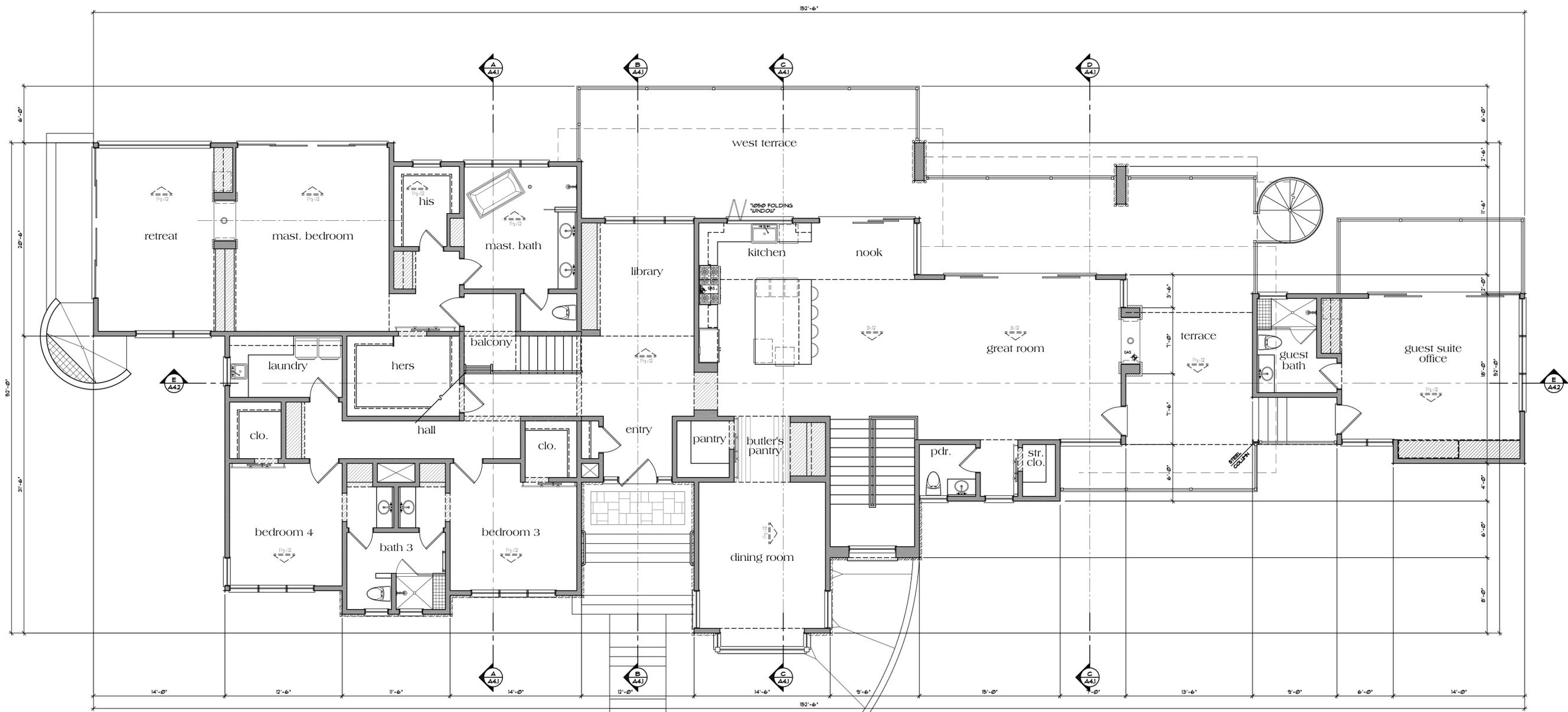
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

IMPROVEMENT PLANS

FOR THE  
HOME GRADING AND DRAINAGE  
ON THE LANDS OF HAYDEN  
CINNABAR HILLS ROAD, SAN JOSE  
A PORTION OF SAN VICENTE RANCHO  
PER DOCUMENT NO. 24173859  
SANTA CLARA COUNTY, CALIFORNIA  
A.P.N.: 742-02-006

Project Information

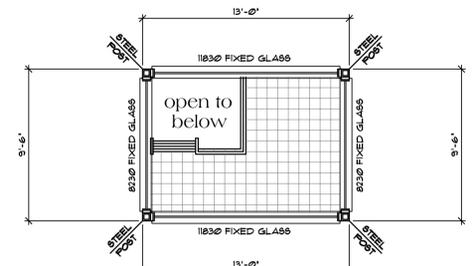




**Entry Level Floor Plan**

- 3,535 sq. ft. Main Level
- 447 sq. ft. Guest Suite
- 3,982 sq. ft. Total Living Area
- 93 sq. ft. Observation Tower
- 939 sq. ft. Garage/Gym
- 1,339 sq. ft. Unconditioned Storage
- 6,419 sq. ft. Gross Floor Area
- 1,341 sq. ft. Rear Terraces
- 470 sq. ft. Lower Patio
- 452 sq. ft. Observation Deck
- 2,263 sq. ft. Total Terraces & Decks

scale: 3/16"=1'-0"



**Observation Floor Plan**

scale: 3/16"=1'-0"

NO./ DATE/ REVISION

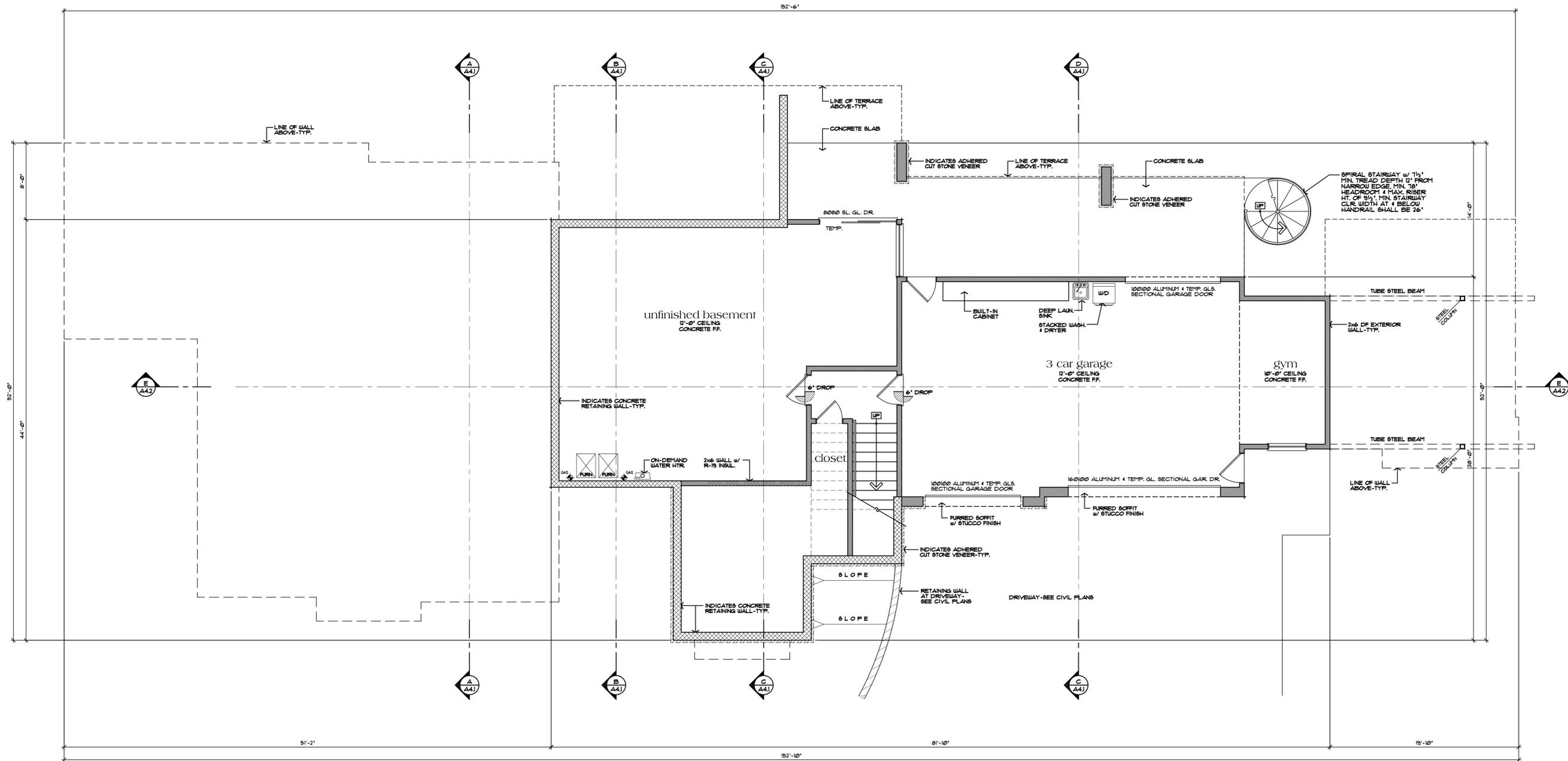
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**DMZ Design Associates, Inc.**  
 A California Corporation  
 18640 Sutter Blvd., Suite 500  
 Morgan Hill, California 95037  
 Phone: (408) 778-7000 Fax: (408) 778-7004  
 E-MAIL: dmz\_design@earthlink.net

<b>DRAWING TITLE</b>	Entry Level Floor Plan
<b>JOB TITLE</b>	Hayden Residence
<b>JOB ADDRESS</b>	Cinnabar Hills Road San Jose, California

<b>DATE</b>	NOV 19 2020
<b>SCALE</b>	3/16"=1'-0"
<b>PROJECT MANAGER</b>	T DAVIS
<b>DRAWN</b>	GT
<b>JOB NO.</b>	DZ3315
<b>SHEET</b>	A2.1

DZ18 2/2/2021 10:58 AM Z:\projects\2018\dc3315-HaydenResidence\Design\dc3315-A2.1.dwg



**Lower Level Floor Plan**

987 sq. ft. Garage/Gym  
1,339 sq. ft. Unconditioned Storage

scale: 3/16"=1'-0"

NO./ DATE/ REVISION

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<b>DRAWING TITLE</b>	Basement Level Floor Plan
<b>JOB TITLE</b>	Hayden Residence
<b>JOB ADDRESS</b>	Cinnabar Hills Road San Jose, California

<b>DATE</b>	NOV 19 2020
<b>SCALE</b>	3/16"=1'-0"
<b>PROJECT MANAGER</b>	T. DAVIS
<b>DRAWN</b>	GZ
<b>JOB NO.</b>	DZ3319
<b>SHEET</b>	A2.2

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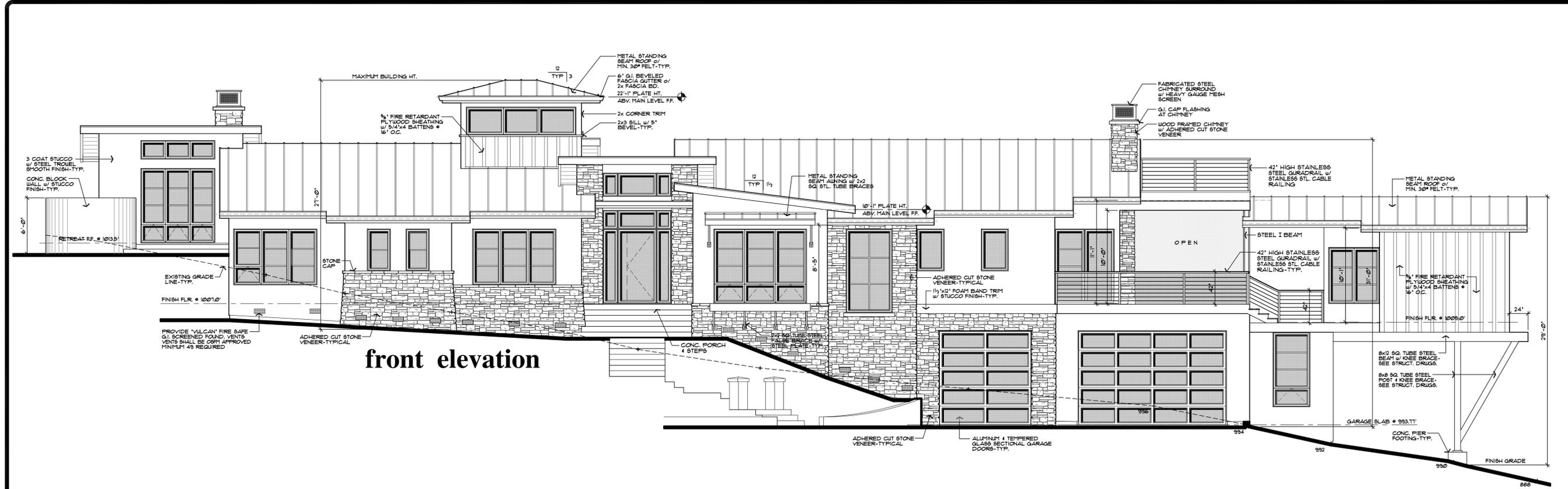
NO.	DATE	REVISION

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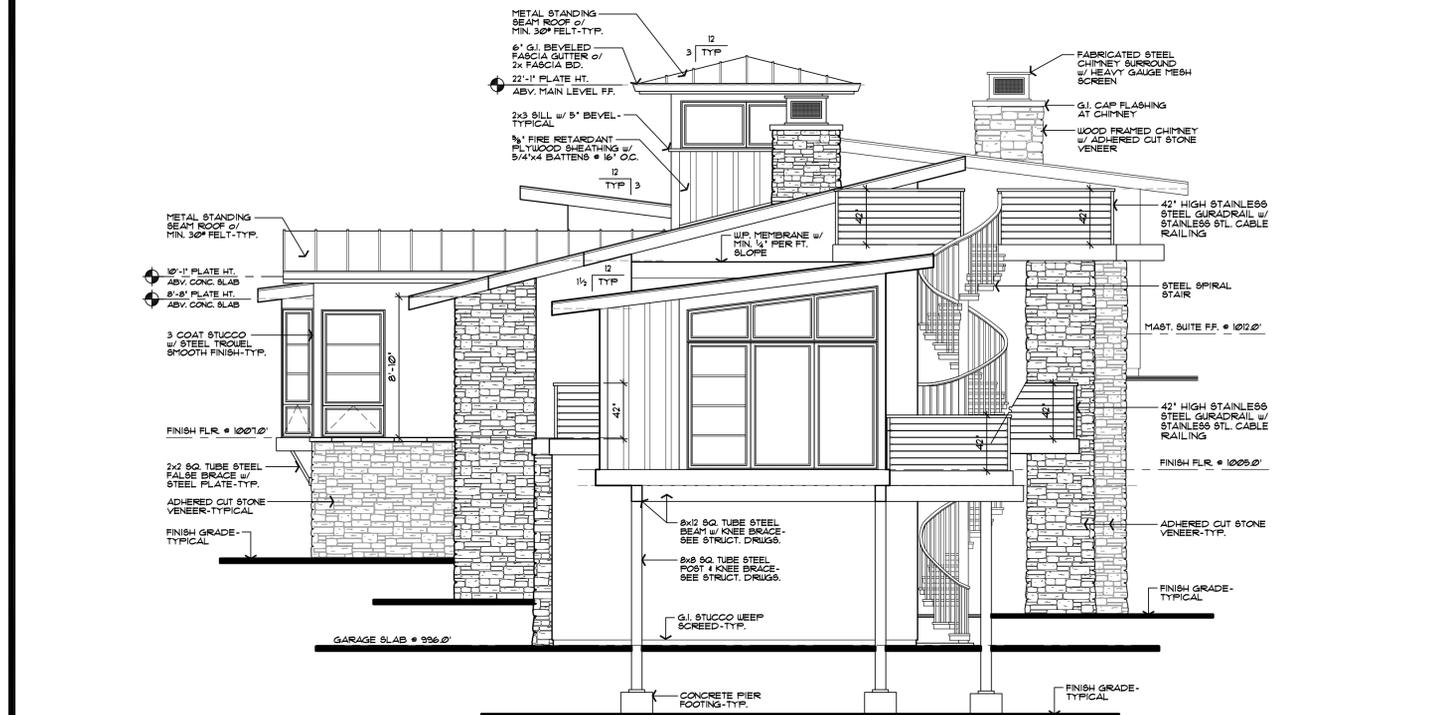


**DAZ Design Associates, Inc.**  
 A California Corporation  
 17705 Hale Avenue, Suite H4  
 Morgan Hill, California 95037  
 Phone: (408) 778-7045 Fax: (408) 778-7064  
 email: daz.design@gaia.com

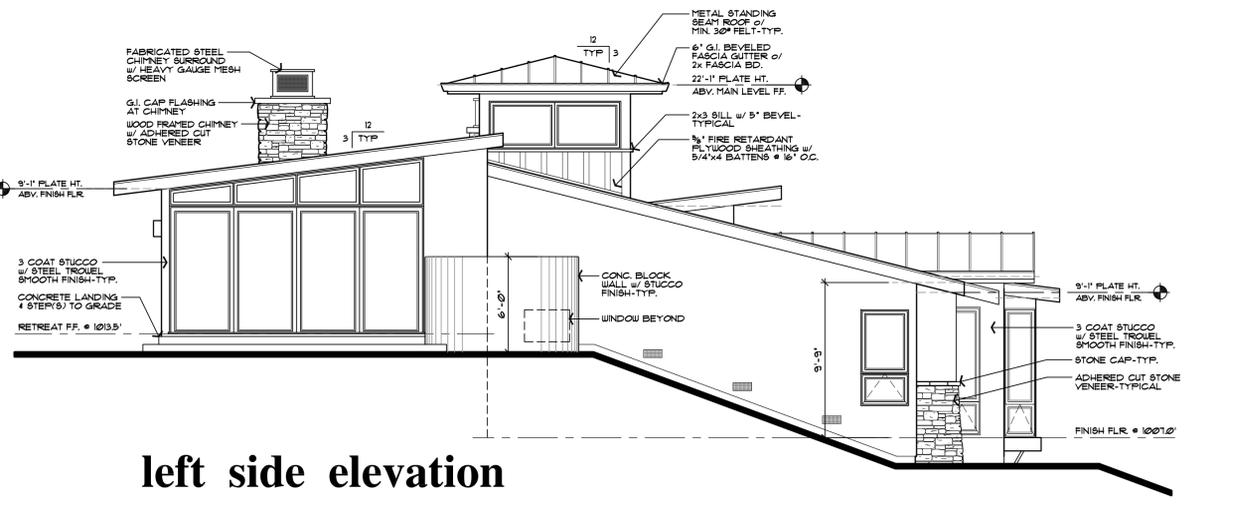
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JOB TITLE	Hayden Residence
JOB ADDRESS	Cinnabar Hills Road San Jose, California
DATE	NOV. 19, 2020
SCALE	3/16" = 1' - 0"
PROJECT MANAGER	T. DAVIS
DRAWN	GZ
JOB NO.	023319
SHEET	A3.1



front elevation

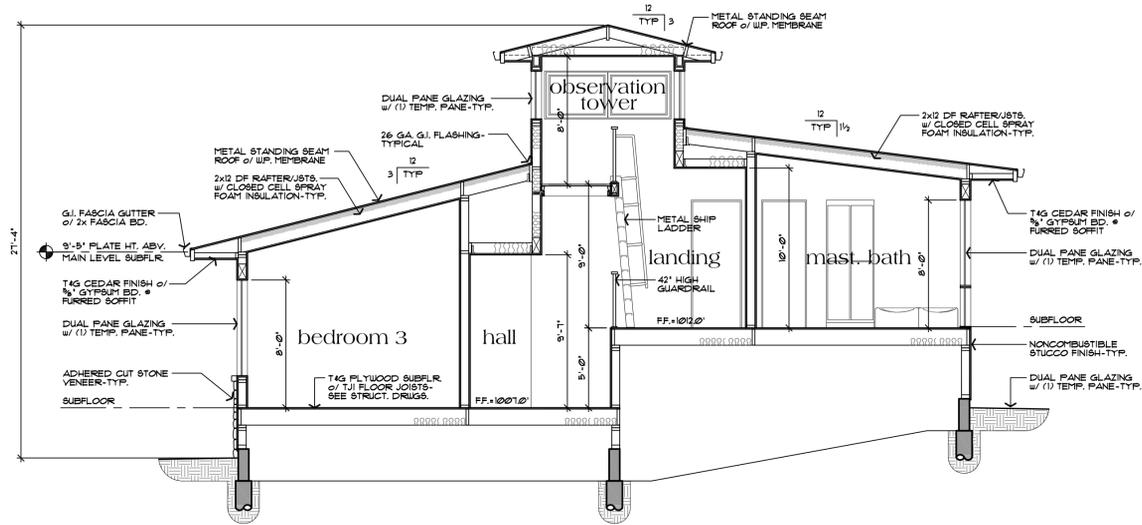


right side elevation



left side elevation

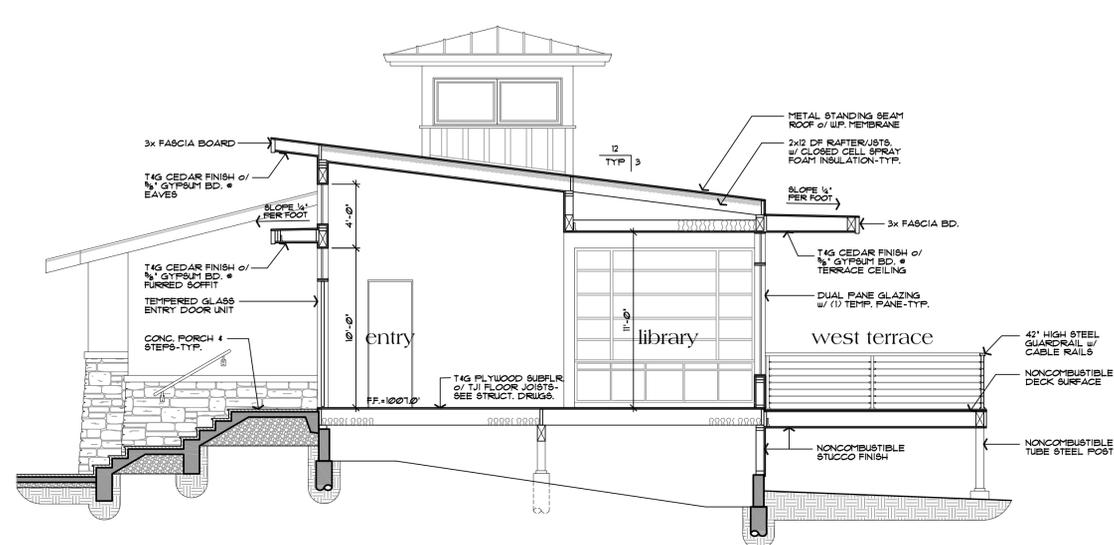




**A** Cross Section

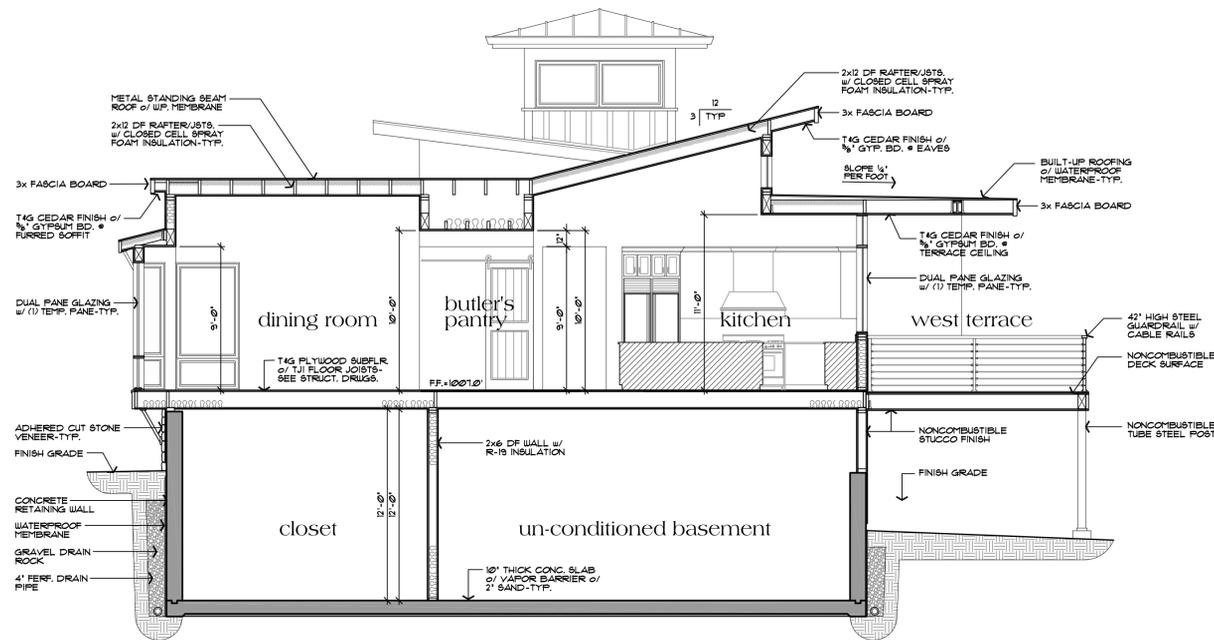
SCALE: 3/16"=1'-0"

**NOTE:**  
 ALL SHEARWALLS SHALL BE FRAMED UP TO THE BOTTOM OF ROOF SHEATHING - TYP.  
**FIRE BLOCKS & DRAIFT STOPS:**  
 FIRE STOPS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS PER CBC R302.1 & R302.2:  
 1) IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AND PARALLEL JOBS OF STUDS OR STAGGERED STUDS VERTICALLY AT THE CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.  
 2) AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING AND COVE CEILING.  
 3) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER THE STAIRS SHALL COMPLY WITH SECTION R302.1.  
 4) 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 ASTM E 136 REQUIREMENTS.  
 5) ALL SPACES BETWEEN CHIMNEYS AND FLOORS AND CEILING THROUGH WHICH CHIMNEYS PASS SHALL BE FIRE-BLOCKED WITH NON-COMBUSTIBLE MATERIAL SECURELY FASTENED IN PLACE. THE FIRE-BLOCKING OF SPACES BETWEEN CHIMNEYS AND WOOD JOISTS, BEAMS OR HEADERS SHALL BE SELF-SUPPORTING OR PLACED ON STRIPS OF METAL OR METAL LATH LAID ACROSS THE SPACES BETWEEN COMBUSTIBLE MATERIAL AND THE CHIMNEY PER R302.3.



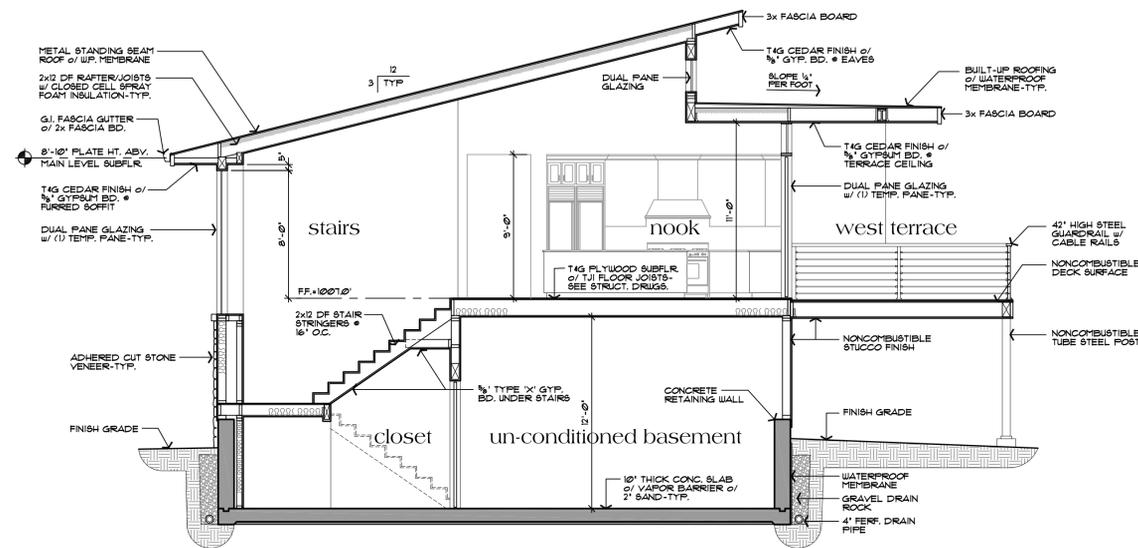
**B** Cross Section

SCALE: 3/16"=1'-0"



**C** Cross Section

SCALE: 3/16"=1'-0"



**D** Cross Section

SCALE: 3/16"=1'-0"

NO.	DATE	REVISION

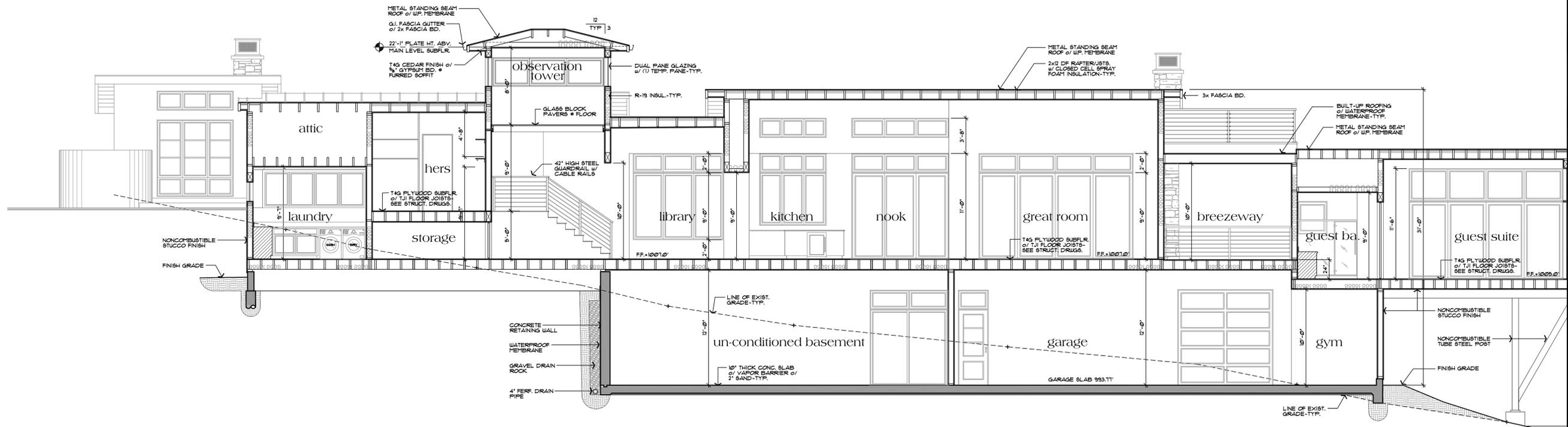
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**Design Associates, Inc.**  
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 Phone: (408) 778-7045 Fax: (408) 778-7044  
 email: dzdesign@gaic.com

**Building Cross Sections**  
 Hayden Residence  
 Cinnabar Hills Road  
 San Jose, California

DRAWING TITLE  
 JOB TITLE  
 JOB ADDRESS

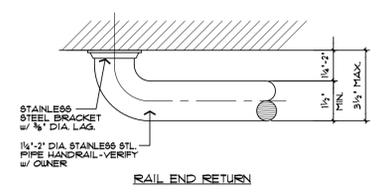
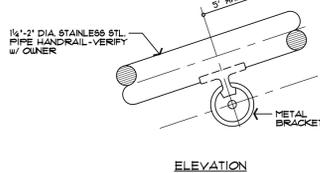
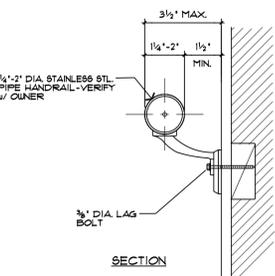
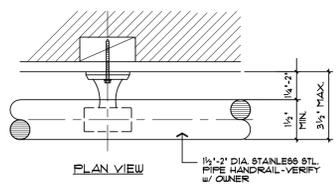
DATE: **NOV. 19, 2020**  
 SCALE: **3/16"=1'-0"**  
 PROJECT MANAGER: **M. DAVIS**  
 DRAWN: **GZ**  
 JOB NO.: **DZ3319**  
 SHEET: **A4.1**



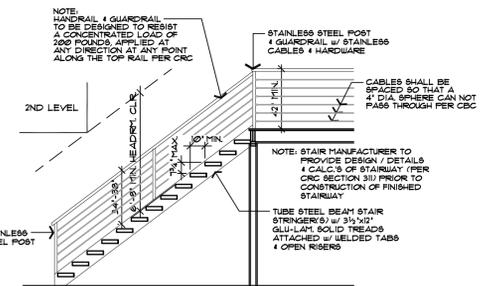
**E Cross Section**  
SCALE: 3/16"=1'-0"

**CAL Green Requirements**

- 4509.2 CONCRETE SLAB FOUNDATIONS OR CONCRETE SLAB ON GROUND FLOORS ARE REQUIRED TO HAVE A CAPILLARY BREAK.
- 4509.2.1 CONCRETE SLAB FOUNDATIONS OR CONCRETE SLAB ON GROUND FLOORS ARE REQUIRED TO HAVE A CAPILLARY BREAK.
- 4509.3 BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE INSTALLED. WALL AND FLOOR FRAMING SHALL NOT BE ENCLOSED UNLESS THE FRAMING MEMBERS EXCEED 1% MOISTURE CONTENT. MOISTURE CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH THE FOLLOWING:
  1. MOISTURE CONTENT SHALL BE DETERMINED WITH EITHER A MOISTURE METER OR A CONTACT-TYPE MOISTURE METER OR EQUIVALENT.
  2. MOISTURE READINGS SHALL BE TAKEN AT A POINT 2 FEET TO 4 FEET FROM THE GRADE-STAMPED END OF EACH PIECE TO BE VERIFIED.
  3. AT LEAST THREE RANDOM MOISTURE READINGS SHALL BE RECORDED ON WALL AND FLOOR FRAMING WITH DOCUMENTATION ACCESSIBLE TO THE ENFORCING AGENCY PROVIDED AT THE TIME OF APPROVAL TO ENCLOSE THE WALL AND FLOOR FRAMING.
- 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. MANUFACTURER'S DRYING RECOMMENDATIONS SHALL BE FOLLOWED FOR WET-APPLIED INSULATION PRODUCTS PRIOR TO ENCLOSURE.

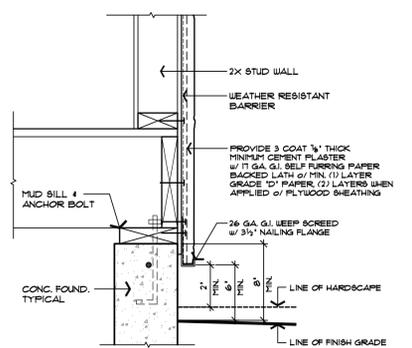


**HANDRAIL & GUARDRAIL CONNECTIONS**

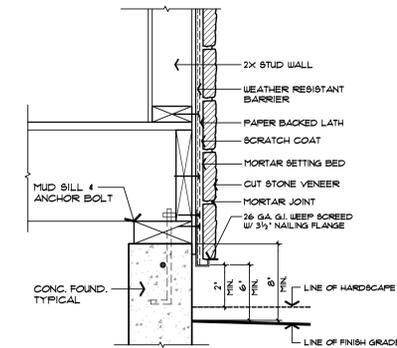


**TYPICAL STAIR DETAIL**

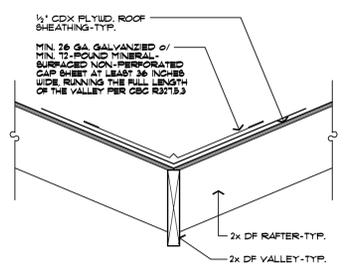
- STAIR NOTES:**
1. CONTINUOUS HANDRAILS ARE REQUIRED ON AT LEAST ONE SIDE OF STAIRWAY.
  2. HANDRAIL HEIGHT SHALL BE 34"-38" ABOVE THE NOSING OF THE TREAD.
  3. HANDRAILS SHALL EXTEND FROM A POINT DIRECTLY ABOVE THE BOTTOM RISER TO A POINT DIRECTLY ABOVE THE TOP RISER.
  4. THE ENDS OF HANDRAILS MUST BE RETURNED TO THE WALL OR TERMINATE IN A NEEL POST.
  5. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1/8" BETWEEN THE HANDRAIL AND THE WALL.
  6. HANDRAILS MUST BE DESIGNED TO SUPPORT 200 LB LOAD APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP OF THE RAIL.
  7. GUARDRAILS SHALL NOT BE LESS THAN 42 INCHES IN HEIGHT.
  8. GUARDRAILS ARE REQUIRED AT THE OPEN SIDE OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE.
  9. ALL REQUIRED GUARDRAILS MUST HAVE INTERSTATE RAILS OR CABLES SPACED SO THAT A 4 INCH DIAMETER SPHERE CAN NOT PASS THROUGH, EXCEPT THAT THE TRIANGULAR SPACE FORMED BY THE BOTTOM OF A GUARD, A STAIR RISER AND STAIR TREAD MAY BE SUCH THAT A 6 INCH DIAMETER SPHERE CAN NOT PASS THROUGH.
  10. MAXIMUM VARIATION BETWEEN IN HEIGHT OF RISERS OR WIDTH OF TREADS SHALL BE 3/8" INCH.
  11. MINIMUM HEADROOM CLEARANCE MEASURED VERTICALLY FROM THE FLOOR OR CEILING FINISH TANGENT TO THE TREAD NOSING SHALL BE 6'-8" CLEAR.
  12. MAXIMUM VERTICAL DISTANCE BETWEEN STAIRWAY LANDINGS SHALL BE 12'-0".
  13. STAIR TREAD NOSINGS ARE REQUIRED AT STAIRS WITH A TREAD LESS THAN 11 INCHES.



**TYPICAL DRIP SCREEN DETAIL**



**ADHERED STONE VENEER DETAIL**



**TYPICAL VALLEY FLASHING - W.U.I.**

NO.	DATE/REVISION

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email: dca@designassoc.com

**Building Cross Sections**  
Hayden Residence  
Cinnabar Hills Road  
San Jose, California

DRAWING TITLE  
JOB TITLE  
JOB ADDRESS

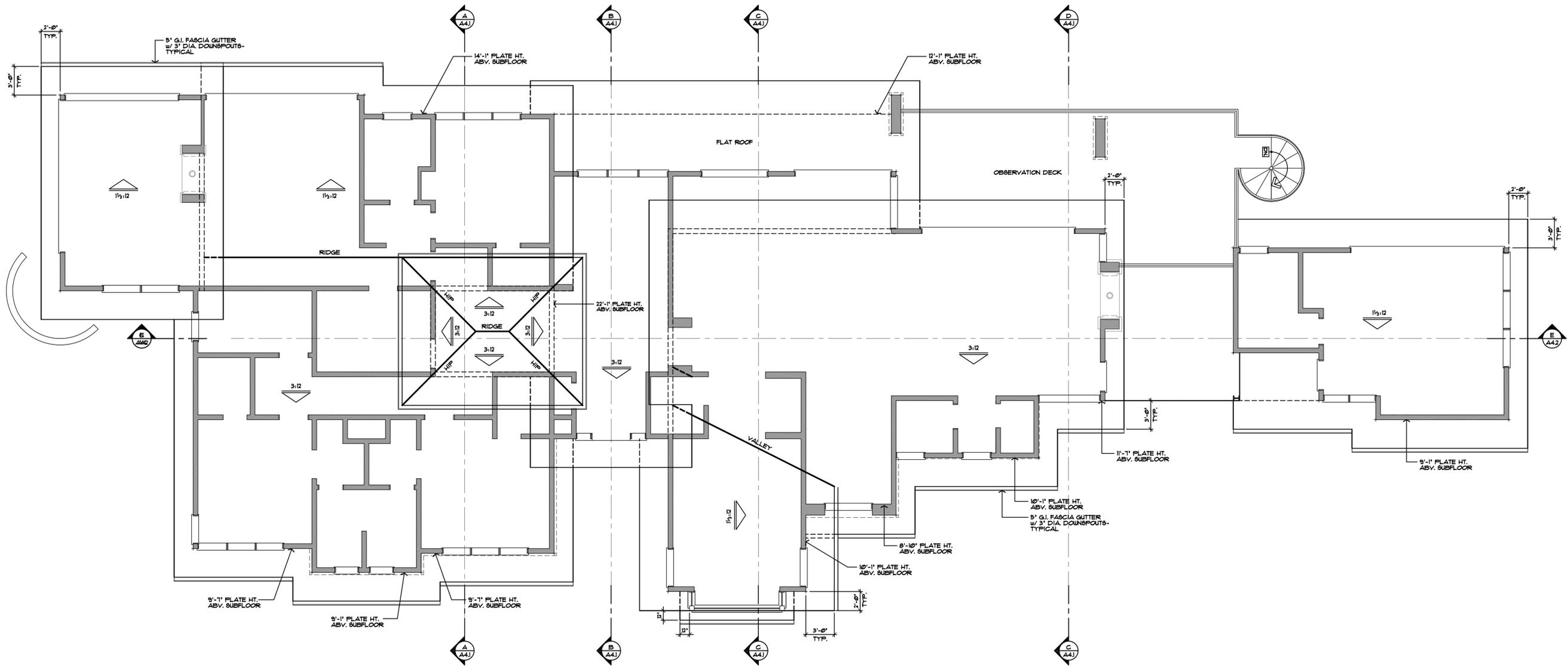
DATE	NOV. 19, 2020
SCALE	3/16"=1'-0"
PROJECT MANAGER	T. DAVIS
DRAWN	GZ
JOB NO.	D23319
SHEET	

**A4.2**

NO./ DATE/ REVISION

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**Design Associates, Inc.**  
 A California Corporation  
 18646 Sutter Blvd., Suite 500  
 Morgan Hill, California 95037  
 Phone: (408) 778-7145 Fax: (408) 778-7004  
 Email: [info@da-inc.com](mailto:info@da-inc.com)



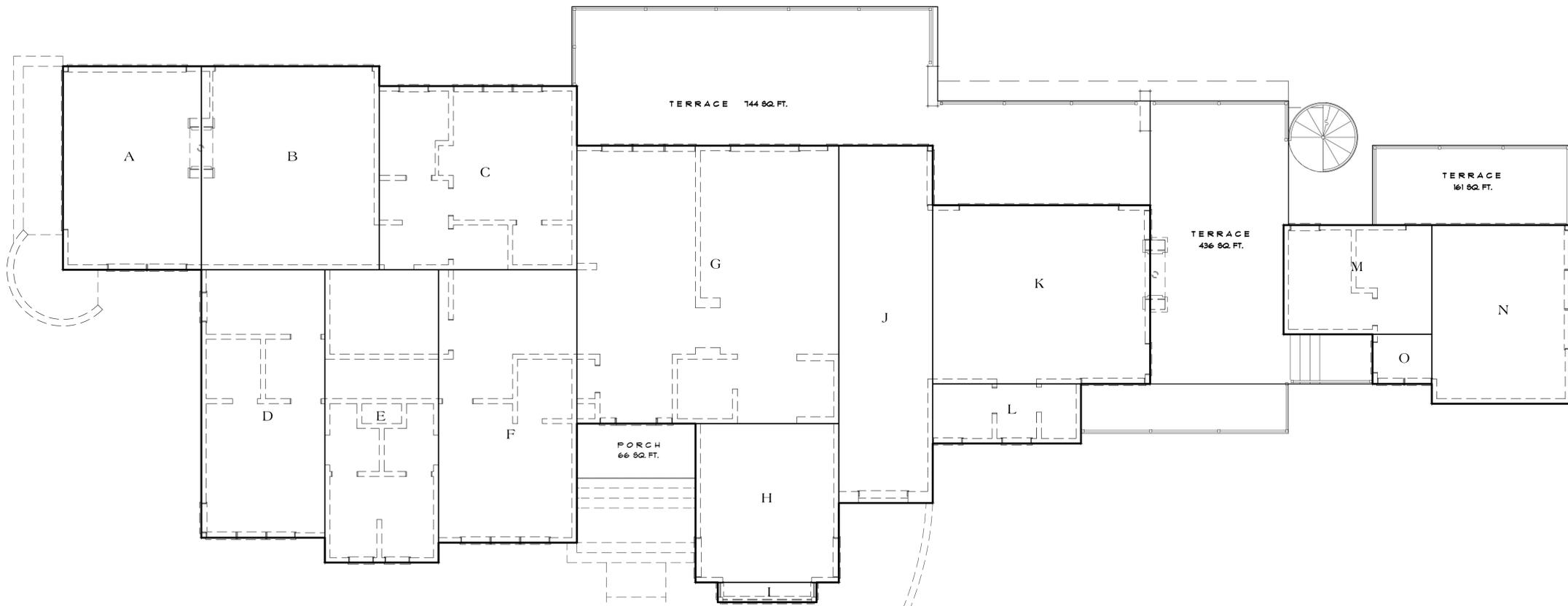
**Roof Plan**  
 scale: 3/16" = 1'-0"

- ROOF PLAN NOTES:**
- ROOF SLOPE SHALL BE 3:12 UNO.
  - ARROWS INDICATE DIRECTION OF ROOF SLOPE.
  - PLATE HEIGHT IS TO BE 10'-1" UNO.
  - OVERHANGS ARE TO BE 36" AT EAVES & 24" AT GABLES UNO.
  - PROVIDE EAVE VENTS FOR ATTIC VENTILATION PER CBC TYPICAL.
  - INSTALL G.I. MATERIAL ROOF JACKS FOR PLUMBING VENTS, ETC. AS REQUIRED.
  - PROVIDE 26 GA. G.I. FASCIA GUTTER w/ 3" DIA. DOWNSPOUTS. ALL DOWNSPOUTS SHALL DIRECT RAINWATER ONTO VEGETATED AREAS.

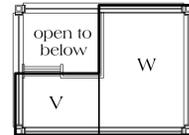
D:\18-202021-1037-AM-240projects\2018\dc3319-HaydenResidence\Design\2319-A5.dwg

DRAWING TITLE	Roof Plan
JOB TITLE	Hayden Residence
JOB ADDRESS	Cinnabar Hills Road San Jose, California

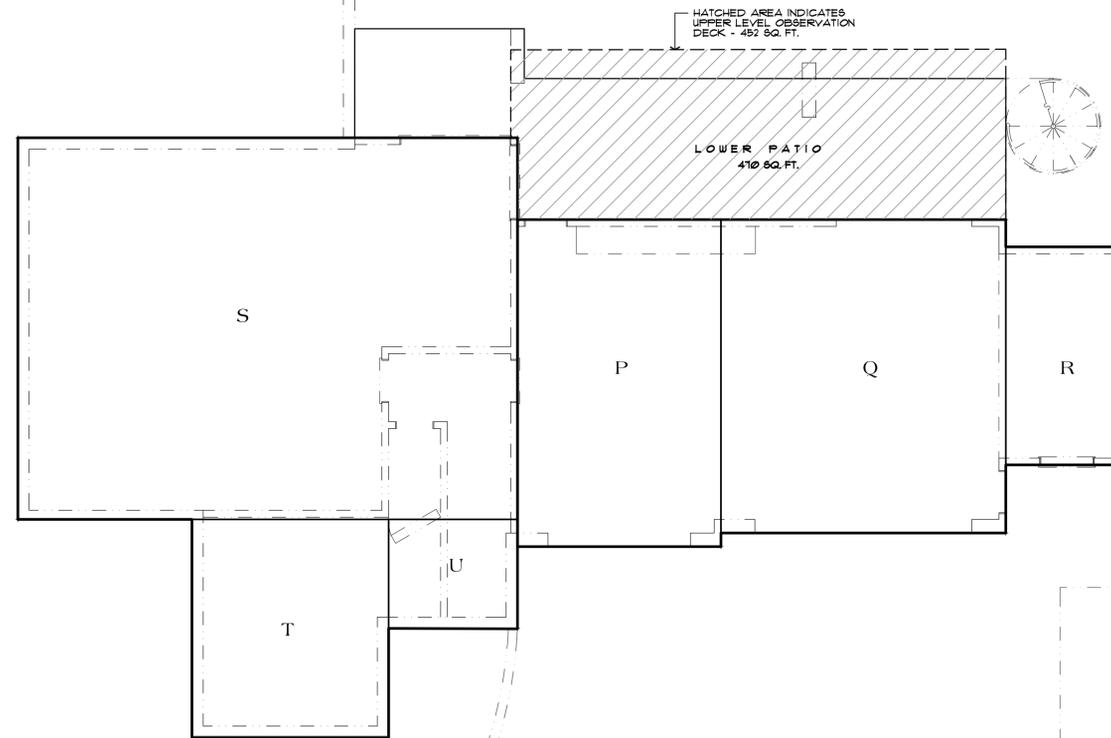
DATE	NOV. 19 2020
SCALE	3/16" = 1'-0"
PROJECT MANAGER	T. DAVIS
DRAWN	GZ
JOB NO.	D23319
SHEET	A5



Main Level Floor Area Diagram



Tower Floor Area Diagram



Lower Level Floor Area Diagram

**FLOOR AREA CALCULATION**

**MAIN LIVING AREA**

- A. 14'-0" x 20'-6" = 287.0 SQ. FT.
- B. 18'-0" x 20'-6" = 369.0 SQ. FT.
- C. 20'-0" x 10'-4" = 208.0 SQ. FT.
- D. 12'-6" x 21'-6" = 271.5 SQ. FT.
- E. 11'-6" x 23'-6" = 272.0 SQ. FT.
- F. 13'-10" x 21'-6" = 297.0 SQ. FT.
- G. 26'-6" x 20'-0" = 532.0 SQ. FT.
- H. 14'-8" x 16'-0" = 236.8 SQ. FT.
- I. 10'-0" x 2'-0" = 20.0 SQ. FT.
- J. 13'-10" x 22'-0" = 306.0 SQ. FT.
- K. 22'-0" x 18'-0" = 396.0 SQ. FT.
- L. 15'-0" x 6'-0" = 90.0 SQ. FT.

MAIN LIVING TOTAL = 3,535.3 SQ. FT. ● 3,535 SQ. FT.

**GUEST SUITE**

- M. 15'-0" x 11'-0" = 165.0 SQ. FT.
- N. 14'-0" x 18'-0" = 252.0 SQ. FT.
- O. 6'-0" x 5'-0" = 30.0 SQ. FT.

GUEST SUITE TOTAL = 447.0 SQ. FT. ● 447 SQ. FT.

**GARAGE AREA**

- P. 15'-0" x 11'-0" = 165.0 SQ. FT.
- Q. 21'-0" x 23'-0" = 483.0 SQ. FT.
- R. 9'-0" x 15'-0" = 135.0 SQ. FT.

GARAGE TOTAL = 783.0 SQ. FT. ● 783 SQ. FT.

**STORAGE AREA**

- S. 36'-10" x 28'-0" = 1031.2 SQ. FT.
- T. 14'-6" x 16'-0" = 233.6 SQ. FT.
- U. 9'-6" x 8'-0" = 76.8 SQ. FT.

STORAGE TOTAL = 1,339.6 SQ. FT. ● 1,339 SQ. FT.

**TOWER**

- V. 6'-2" x 4'-6" = 27.7 SQ. FT.
- W. 6'-10" x 9'-6" = 64.91 SQ. FT.

TOWER TOTAL = 92.6 SQ. FT. ● 93 SQ. FT.

- MAIN LIVING 3,535 SQ. FT.
- GUEST SUITE 447 SQ. FT.
- TOTAL LIVING 3,982 SQ. FT.
- TOWER 93 SQ. FT.
- GARAGE 783 SQ. FT.
- STORAGE AREA 1,339 SQ. FT.
- ENTRY PORCH 66 SQ. FT.

GROSS FLOOR AREA 6,419 SQ. FT.

- REAR TERRACES 1,341 SQ. FT.
- LOWER PATIO 470 SQ. FT.
- OBSERVATION DECK 452 SQ. FT.
- TOTAL TERRACES/DECKS 2,263 SQ. FT.

(NOT COUNTED IN GROSS FLOOR AREA)

NO.	DATE	REVISION

THESE PLANS ARE INTENDED ONLY FOR THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED. ANY REUSE OF THESE PLANS FOR OTHER SITES IS PROHIBITED WITHOUT THE CONSENT OF D&Z DESIGN ASSOCIATES, INC. ANY USE OF THESE PLANS ON OTHER SITES IS PROHIBITED WITHOUT THE CONSENT OF D&Z DESIGN ASSOCIATES. PRIOR TO COMMENCEMENT OF THE PROJECT, THE USER SHALL BE AWARE THAT THE PRECEDENCE OF THESE PLANS SHALL BE IN ACCORDANCE WITH THE PRECEDENCE OF THESE PLANS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

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DRAWING TITLE	Floor Area Diagrams
JOB TITLE	Hayden Residence
JOB ADDRESS	Cinnabar Hills Road San Jose, California

DATE	NOV. 19 2020
SCALE	N.T.S.
PROJECT MANAGER	M. DAVIS
DRAWN	GZ
JOB NO.	023319
SHEET	