



Staff Report to the Zoning Administrator

Application Number: **221150**

Applicant: Thad Triplett

Agenda Date: August 04, 2023

Owner: David & Arlene Mariani

Agenda Item #: 1

APN: 080-021-22

Time: After 9:00 a.m.

Site Address: 11560 Empire Grade, Santa Cruz 95060

Project Description: Proposal to construct an approximately 8,400 square foot, two-story, single-family dwelling and a 1,400 square foot detached garage on a vacant parcel.

Location: Property is located on the northeastern side of Empire Grade in Santa Cruz (11560 Empire Grade).

Permits Required: Requires a Residential Development Permit for construction of a Large Dwelling in excess of 5,000 square feet, Design Review to increase the maximum height of 28 feet to 31 feet, and an Administrative Site Development Permit for construction of a non-habitable accessory structure in excess of 1,000 square feet in size.

Supervisory District: 3rd District (District Supervisor: Justin Cummings)

Staff Recommendation:

- Determine that the proposal is exempt from further Environmental Review under the California Environmental Quality Act.
- Approval of Application 221150, based on the attached findings and conditions.

Project Description & Setting

The subject property is an undeveloped parcel located on the northeastern side of Empire Grade, approximately 1,000 feet south of the intersection of Empire Grade and Braemoor Drive, in the Bonny Doon planning area. The subject parcel is located outside of a rural residential neighborhood which is developed with a variety of architectural styles and home sizes. The adjacent parcels are 6 and 12 acres, respectively; the parcel located directly across Empire Grade is a 516 acre parcel which is currently utilized for timber production. The surrounding landscape is relatively flat in topography and is heavily forested with mature trees and dense ground vegetation.

The project proposes to construct a new, 8,392 square foot single-family dwelling and a 1,400 square foot detached garage. The proposed dwelling will be 31 feet in height. County Code requires a Residential Development Permit for construction of a large dwelling in excess of 5,000 square feet as well as a non-habitable accessory structure in excess of 1,000 square feet in size

located outside of the urban services boundary. Design Review is required to evaluate the appropriateness of allowing an increase in the maximum height of 28 feet to 31 feet.

The project site is a mapped Biotic and Archeologic resource. Biotic and Archeological reports were submitted and accepted by County Staff under associated reviews REV221176 and REV221151. The Biotic Report identified sensitive habitat community types in the study area. The project has been designed to avoid direct impacts to the pond, freshwater wetland, riparian and oak woodland communities. The Archeological report was required due to the potential presence of archaeological resources within the proposed project area. Based on the submitted report findings, the project site is unlikely to contain prehistoric or historic resources as no indications of significant cultural resources were found during the site reconnaissance. As proposed and conditioned, the project would not result in adverse impacts to biotic or archaeological resources.

Zoning & General Plan Consistency

The subject property is a 7.01 acre lot, located in the RA (Residential Agricultural) zone district, a designation which allows residential uses. The proposed dwelling is a principal permitted use within the zone district and the zoning is consistent with the site's R-R (Rural Residential) General Plan designation.

Residential Development Permit/Large Dwelling Review

The project requires approval of a Residential Development Permit due to the size of the single-family dwelling (greater than 5,000 square feet), and the size of the detached garage (greater than 1,000 square feet, located outside the urban services line). The proposed single-family dwelling requires a Large Dwelling Review in accordance with the SCCC 13.10.325 and the detached garage requires approval of an Administrative Site Development permit in accordance with SCCC 13.10.611.

The County's Large Dwelling Ordinance (SCCC 13.10.325) specifies guidelines for the design of new large dwellings. The proposed project incorporates elements of the design guidelines that can be supported by staff. The proposed location of the building site will minimize changes in the natural topography and preserve as much existing vegetation as possible. The proposal was subject to a Preliminary Grading Review and as a result, grading cuts and fills are minimized. Natural wood logs and stone veneer siding will be used to reduce the appearance of building bulk. Elements of the home will also utilize earthtone colors. Varied roof heights and pitches will break up massing and minimize the overall building height appearance. The structure is appropriately sized in relation to the subject parcel and adjacent parcels; the increased yards will also enhance privacy and will not obstruct solar access from adjacent parcels. As proposed, the dwelling would exceed the allowed height of 28 feet and is subject to Design Review.

Design Review

The proposed increase in the allowed height of the dwelling from 28 feet to 31 feet is subject to design review in accordance with SCCC 13.11.040 (Projects requiring design review). As proposed, dwelling complies with the requirements of the County Design Review Ordinance, in that the proposed project will incorporate site and architectural design features such as varying roof heights and pitches to reduce the visual impact of the proposed development on adjacent

parcels and public viewshed. The proposed dwelling will utilize natural wood logs and stone veneer for the siding. The use of natural materials in earthtone colors will reduce the appearance of building bulk. The increased yards will also reduce the visual bulk and massing when viewed from Empire Grade.

Administrative Site Development Permit

The proposed detached garage requires approval of an Administrative Site Development permit for construction of a non-habitable accessory structure, greater than 1,000 square feet, located outside the Urban Services Line (SCCC 13.10.611). The garage proposes to be 1,400 square feet in size and will provide parking for three cars and contain a workshop. To better harmonize with the future development on the parcel, the garage will also utilize the same exterior finishing materials as the main dwelling. The proposed garage will meet all applicable site standards for the zone district with the exception of square footage. As proposed, the garage would be proportionate to the project site and will result in a structure consistent with a design that could be approved on any similarly sized lot in the vicinity.

Conclusion

As proposed and conditioned, the project is consistent with all applicable codes and policies of the Zoning Ordinance and General Plan/LCP. Please see Exhibit "B" ("Findings") for a complete listing of findings and evidence related to the above discussion.

Staff Recommendation

- Determine that the proposal is exempt from further Environmental Review under the California Environmental Quality Act.
- **APPROVAL** of Application Number **221150**, based on the attached findings and conditions.

Supplementary reports and information referred to in this report are on file and available for viewing at the Santa Cruz County Planning Division, and are hereby made a part of the administrative record for the proposed project.

The County Code and General Plan, as well as hearing agendas and additional information are available online at: www.sccoplanning.com

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Exhibits

- A. Categorical Exemption (CEQA determination)
- B. Findings
- C. Conditions
- D. Project plans
- E. Assessor's, Location, Zoning and General Plan Maps
- F. Parcel information

CALIFORNIA ENVIRONMENTAL QUALITY ACT

NOTICE OF EXEMPTION

The Santa Cruz County Planning Division has reviewed the project described below and has determined that it is exempt from the provisions of CEQA as specified in Sections 15061 - 15332 of CEQA for the reason(s) which have been specified in this document.

Application Number: 221150

Assessor Parcel Number: 080-021-22

Project Location: 11560 Empire Grade, Santa Cruz 95060

Project Description: Proposal to construct an approximately 8,400 square-foot, two-story, single-family dwelling with a detached garage on a vacant parcel.

Person or Agency Proposing Project: Thad Triplett

Contact Phone Number: (925) 634-7000

- A. _____ The proposed activity is not a project under CEQA Guidelines Section 15378.
B. _____ The proposed activity is not subject to CEQA as specified under CEQA Guidelines Section 15060 (c).
C. _____ **Ministerial Project** involving only the use of fixed standards or objective measurements without personal judgment.
D. _____ **Statutory Exemption** other than a Ministerial Project (CEQA Guidelines Section 15260 to 15285).
E. X **Categorical Exemption**

Specify type: Class 3 – New Construction or Conversion of Small Structures (Section 15303).

F. Reasons why the project is exempt:

Construct a new single family dwelling and appurtenant structures in an area designated for residential uses.

In addition, none of the conditions described in Section 15300.2 apply to this project.

Michael Lam, Project Planner

Date: _____

Large Dwelling Permit Findings

1. The proposed structure is compatible with its surroundings given the neighborhood, locational or environmental context and its design is consistent with the large dwelling design guidelines in subsection (D) of 13.10.325; or
2. The proposed structure, due to site conditions, or mitigation measures approved as part of the application, will be adequately screened from public view and will not adversely impact public viewsheds, neighboring property privacy or solar access, and its design is consistent with the large dwelling design guidelines set forth in subsection (D) of 13.10.325.

This finding can be made, in that the subject parcel is approximately seven acres in size and the proposed dwelling will be properly proportioned to the size of the parcel and sufficiently setback from all property lines in order to minimize visual impacts from Empire Grade and adjacent properties. The property line along Empire Grade contains mature trees and dense vegetation that provide additional screening from public viewshed.

The proposal complies with the design guidelines of the large dwelling ordinance in that the structure will be finished with natural materials (wood logs and stone veneer) and earthtone colors. The siting of the structure is such that it is away from adjacent dwellings; additionally, the retention of mature vegetation along Empire Grade will reduce visual impacts when viewed from outside the building site. Finally, the varying roof pitches will break up the mass of the structure and provide visual interest.

Development Permit Findings

1. That the proposed location of the project and the conditions under which it would be operated or maintained will not be detrimental to the health, safety, or welfare of persons residing or working in the neighborhood or the general public, and will not result in inefficient or wasteful use of energy, and will not be materially injurious to properties or improvements in the vicinity.

This finding can be made, in that the project is located in an area designated for residential uses. Construction will comply with prevailing building technology, the California Building Code, and the County Building ordinance to ensure the optimum in safety and the conservation of energy and resources.

2. That the proposed location of the project and the conditions under which it would be operated or maintained will be consistent with all pertinent County ordinances and the purpose of the zone district in which the site is located.

This finding can be made, in that the proposed location of the dwelling and detached garage and the conditions under which they would be operated or maintained will be consistent with all pertinent County ordinances and the purpose of the RA (Residential Agricultural) zone district as the primary use of the property will be one single-family dwelling that meets all current site standards for the zone district with the exception of height and square footage.

A Biotic Report, prepared by Jodi McGraw Consulting, dated December 2022, was submitted for review, and accepted by Planning staff on January 10, 2023. The location of the proposed development and conditions under which it will be maintained is consistent with the conditions and recommendations of the project Biologist. As proposed, the project will not result in adverse impacts to existing biotic resources on the project site.

3. That the proposed use is consistent with all elements of the County General Plan and with any specific plan which has been adopted for the area.

This finding can be made, in that the proposed residential use is consistent with the use and density requirements specified for the R-R (Rural Residential) land use designation in the County General Plan.

The proposed single-family dwelling will not adversely impact the light, solar opportunities, air, and/or open space available to other structures or properties, and meets all current site and development standards for the zone district as specified in Policy 8.1.3 (Residential Site and Development Standards Ordinance), in that the dwelling will not adversely shade adjacent properties, and will meet current setbacks for the zone district.

The proposed single-family dwelling will be properly proportioned to the parcel size and the character of the neighborhood as specified in General Plan Policy 8.6.1 (Maintaining a Relationship Between Structure and Parcel Sizes), in that the proposed dwelling will comply with the site standards for the RA zone district (including setbacks, lot coverage, floor area ratio, height, and number of stories) and will result in a structure consistent with a design that could be approved

on any similarly sized lot in the vicinity.

A specific plan has not been adopted for this portion of the County.

4. That the proposed use will not overload utilities, and will not generate more than the acceptable level of traffic on the streets in the vicinity.

This finding can be made, in that the proposed single-family dwelling is to be constructed on an existing undeveloped lot. The expected level of traffic generated by the proposed project is anticipated to be only 1 peak trip per day (1 peak trip per dwelling unit), such an increase will not adversely impact existing roads or intersections in the surrounding area. Confirmation of water availability has been obtained. Environmental Health Services has reviewed and approved the location of the proposed septic system from a feasibility standpoint; therefore, the project is not expected to overload utilities serving the project site.

5. That the proposed project will complement and harmonize with the existing and proposed land uses in the vicinity and will be compatible with the physical design aspects, land use intensities, and dwelling unit densities of the neighborhood.

This finding can be made, in that the proposed structure is located in a mixed neighborhood containing a variety of architectural styles, and the proposed single-family dwelling and detached garage is consistent with the land use intensity and density of the neighborhood. The proposed dwelling will utilize natural colors and materials, along with increased yards, to minimize potential impacts on surrounding parcels. The detached garage will harmonize with the dwelling by using the same colors and materials. The varied roof height and pitch will further reduce the visual bulk and mass when viewed from outside the building site.

6. The proposed development project is consistent with the Design Standards and Guidelines (sections 13.11.070 through 13.11.076), and any other applicable requirements of this chapter.

This finding can be made, in that the proposed single-family dwelling will be of an appropriate size in relation to the parcel and type of design that will enhance the aesthetic qualities of the surrounding properties and will not reduce or visually impact available open space in the surrounding area. The size and locations of the proposed structures are scaled appropriately to the parcel. The increased yards will further reduce potential visual impacts from public viewshed and adjacent properties.

Administrative Site Development Permit Findings

1. That the proposed location of the project and the conditions under which it would be operated or maintained will not be detrimental to the health, safety, or welfare of persons residing or working in the neighborhood or the general public, and will not result in inefficient or wasteful use of energy, and will not be materially injurious to properties or improvements in the vicinity.

This finding can be made, in that the project is located in an area designated for residential uses and is not encumbered by physical constraints to development. Construction will comply with prevailing building technology, the California Building Code, and the County Building ordinance to insure the optimum in safety and the conservation of energy and resources. The proposed detached garage will not deprive adjacent properties or the neighborhood of light, air, or open space, in that the structure meets all current setbacks that ensure access to light, air, and open space in the neighborhood.

2. That the proposed location of the project and the conditions under which it would be operated or maintained will be in substantial conformance with County ordinances and the purpose of the zone district in which the site is located.

This finding can be made, in that the proposed location of the detached garage and the conditions under which it would be operated or maintained will be consistent with all pertinent County ordinances and the purpose of the RA (Residential Agricultural) zone district as the primary use of the property will be one detached garage that meets all current site standards for the zone district, with exception of square footage.

3. That the proposed structure and use is in substantial conformance with the County General Plan and with any Specific Plan which has been adopted for the area.

This finding can be made, in that the proposed residential use is consistent with the use and density requirements specified for the R-R (Rural Residential) land use designation in the County General Plan.

The proposed detached garage will not adversely impact the light, solar opportunities, air, and/or open space available to other structures or properties, and meets all current site and development standards for the zone district as specified in Policy 8.1.3 (Residential Site and Development Standards Ordinance), in that the garage will not adversely shade adjacent properties, and will meet current setbacks for the zone district that ensure access to light, air, and open space in the neighborhood.

The proposed detached garage will be properly proportioned to the parcel size or the character of the neighborhood as specified in General Plan Policy 8.6.1 (Maintaining a Relationship Between Structure and Parcel Sizes), in that the proposed garage will comply with the site standards for the RA zone district (including setbacks, lot coverage, floor area ratio, height, and number of stories) and will result in a structure consistent with a design that could be approved on any similarly sized lot in the vicinity.

A specific plan has not been adopted for this portion of the County.

4. That the proposed use will not overload utilities, and will not generate more than the acceptable level of traffic on the streets in the vicinity.

This finding can be made, in that the proposed detached garage is to be constructed on an existing undeveloped lot. The expected level of traffic generated by the proposed project is anticipated to be only one peak trip per day (1 peak trip per dwelling unit), such an increase will not adversely impact existing roads and intersections in the surrounding area. The proposed garage does include any amenities, as indicated in Table 13.10.611-1 of County Code.

5. That the proposed project will complement and harmonize with the existing and proposed land uses in the vicinity and will be compatible with the physical design aspects, land use intensities, and dwelling unit densities of the neighborhood.

This finding can be made, in that the proposed structure is located in a mixed neighborhood containing a variety of architectural styles, and the proposed garage is consistent with the land use intensity and density of the neighborhood. The proposed garage will utilize the same natural colors and materials as the proposed single-family dwelling to better harmonize with the proposed structures on the parcel.

6. Any additional parking requirements created by the project can be met in accordance with Section 13.10.551.

This finding can be made, in that the additional parking required by the proposed project will be met on the project site. There are currently zero parking spaces on the project site, and six additional parking spaces will be provided on the project site as required by County Code section 13.10.551 et. seq.

7. The proposed project will not significantly impair economic development goals or key land use goals of the General Plan.

This finding can be made, in that the proposed residential use is consistent with the use and density requirements specified for the R-R (Rural Residential) land use designation in the County General Plan.

Conditions of Approval

Exhibit D: Project plans, prepared by Eric Bachofner, dated 03/09/2023.

- I. This permit authorizes the construction of a(n) single-family dwelling as indicated on the approved Exhibit "D" for this permit. This approval does not confer legal status on any existing structure(s) or existing use(s) on the subject property that are not specifically authorized by this permit. Prior to exercising any rights granted by this permit including, without limitation, any construction or site disturbance, the applicant/owner shall:
 - A. Sign, date, and return to Santa Cruz County Planning one copy of the approval to indicate acceptance and agreement with the conditions thereof.
 - B. Obtain a Building Permit from the Santa Cruz County Building Official.
 1. Any outstanding balance due to Santa Cruz County Planning must be paid prior to making a Building Permit application. Applications for Building Permits will not be accepted or processed while there is an outstanding balance due.
 - C. Obtain a Grading Permit from the Santa Cruz County Building Official.
 - D. Obtain an Encroachment Permit from the Department of Public Works for all off-site work performed in the County road right-of-way.
- II. Prior to issuance of a Building Permit the applicant/owner shall:
 - A. Submit final architectural plans for review and approval by Santa Cruz County Planning. The final plans shall be in substantial compliance with the plans marked Exhibit "D" on file with Santa Cruz County Planning. Any changes from the approved Exhibit "D" for this development permit on the plans submitted for the Building Permit must be clearly called out and labeled by standard architectural methods to indicate such changes. Any changes that are not properly called out and labeled will not be authorized by any Building Permit that is issued for the proposed development. The final plans shall include the following additional information:
 1. A copy of the text of these conditions of approval incorporated into the full size sheets of the architectural plan set.
 2. One elevation shall indicate materials and colors as they were approved by this Discretionary Application. If specific materials and colors have not been approved with this Discretionary Application, in addition to showing the materials and colors on the elevation, the applicant shall supply a color and material sheet in 8 1/2" x 11" format for Santa Cruz County Planning review and approval.
 3. Grading, drainage, and erosion control plans.

4. The building plans must include a roof plan and a surveyed contour map of the ground surface, superimposed and extended to allow height measurement of all features. Spot elevations shall be provided at points on the structure that have the greatest difference between ground surface and the highest portion of the structure above. This requirement is in addition to the standard requirement of detailed elevations and cross-sections and the topography of the project site which clearly depict the total height of the proposed structure. Maximum height is 31 feet.
 5. Details showing compliance with fire department requirements. If the proposed structure(s) are located within the State Responsibility Area (SRA) the requirements of the Wildland-Urban Interface code (WUI), California Building Code Chapter 7A, shall apply.
 6. A Water Efficient Landscape Plan prepared in accordance with the requirements of the Water Efficient Landscape Ordinance (County Code Chapter 13.13) by a certified/licensed landscape architect, landscape contractor, civil engineer, landscape irrigation designer, landscape irrigation auditor, or water manager. WELO-exempt projects, residential projects of up to two units, or landscapes where at least 30% of the water use is provided by graywater, recycled water or captured rainwater may provide either a signed Water Efficient Landscape Checklist or a Water Efficient Landscape Plan.
 - a. Any landscape plan submitted to comply with SCCC Ch. 13.13 shall include a Water Efficient Landscape Plan Submittal Compliance Statement.
- B. Meet all requirements of the County Department of Public Works, Stormwater Management. Drainage fees will be assessed on the net increase in impervious area.
1. The application submittal shall adhere to the County Design Criteria. Pre-development runoff patterns and rates shall be maintained, and safe stormwater overflow shall be incorporated into the project design.
 2. The drainage report references a controlled release structure (Detail 4 on Sheet C6.2). This plan sheet and detail were not provided with the discretionary application. Please provide a detail for the controlled release structure with the building permit application.
- C. Obtain an Environmental Health Clearance for this project from the County Department of Environmental Health Services.
- D. Meet all requirements of the Environmental Planning section of Santa Cruz County Planning.
1. The applicant shall provide a signed and stamped copy of the accepted soils report and update(s).

2. Building permit application plans shall reference the soils report and update(s), include contact information for the geotechnical engineer, and include a statement that the project shall conform to the recommendations of the geotechnical engineer.
3. Building permit application plans shall clearly represent all proposed grading, including any over-excavation and recompaction as recommended by the geotechnical engineer.
4. The applicant shall submit a stormwater pollution control plan that meets the requirements set forth in the County's Construction Site Stormwater Pollution Control BMP Manual.
5. The applicant shall submit a drainage plan that complies with the requirements set forth in 2023 California Building Code (CBC) Section 1804.4 and the recommendations of the soils engineer.
6. The applicant shall submit a signed and stamped Soils (Geotechnical) Engineer Plan Review Form to Environmental Planning. The plan review form shall reference each reviewed sheet of the final plan set by its last revision date. Any updates to the soils report recommendations necessary to address conflicts between the report and plans must be provided via a separate addendum to the soils report. The author of the report shall sign and stamp the completed form.
7. Pursuant to Sections 16.40.040 and 16.42.100 of the County Code, if at any time during site preparation, excavation, or other ground disturbance associated with this development, any artifact or other evidence of an historic archaeological resource or a Native American cultural site is discovered, the responsible persons shall immediately cease and desist from all further site excavation and notify the Sheriff-Coroner if the discovery contains human remains, or the Planning Director if the discovery contains no human remains. The procedures established in Sections 16.40.040 and 16.42.100, shall be observed.
8. Prior to any site disturbance, a pre-construction meeting shall be conducted. The purpose of the meeting will be to ensure that the conditions set forth in the proposed project description and Conditions of Approval are communicated to the various parties responsible for constructing the project. The meeting shall involve all relevant parties including the project proponent, construction supervisor, soils engineer, civil engineer, grading contractor, Environmental Planning Staff, and the project biologist.
9. Recommended Protective Measures 1-12, starting on Page 12 in the Biotic Report dated December 3, 2022 prepared by Jodi McGraw Consulting, shall be adhered to.

10. Focused rare plant surveys (as outlined in Measure 1) shall be conducted during the evident and identifiable period for special-status species with potential to occur. The results shall be submitted with the building permit application for review by Environmental Planning Staff.
11. If protected rare plant species are found in the proposed project impact area, these species shall be avoided. Within 30 days prior to commencement of construction, the location and boundaries of any existing special-status plant species identified on the property shall be re- confirmed by a qualified biologist. High visibility construction fencing shall be installed around these plants as outlined in 15c below.
12. If protected rare plant species are found in the proposed project impact area and cannot be avoided during construction, additional impact analysis shall be completed and submitted for review by Environmental Planning Staff prior to issuance of the building permit. Additional biotic review and Conditions of Approval may apply.
13. If a special-status animal is identified at any time prior to or during construction, work shall cease immediately in the vicinity of the individual. The animal shall either be allowed to move out of harm's way on its own or a qualified biologist shall move the animal out of harm's way to a safe relocation site.
14. Every individual working on the Project must attend biological awareness training prior to working on the job site. The training shall be delivered by a qualified biologist and shall include information regarding the location and identification of sensitive habitats and all special-status species with potential to occur in the project area, the importance of avoiding impacts to special-status species and sensitive habitats, and the steps necessary if any special-status species is encountered at any time.
15. Prior to commencement of construction, high visibility fencing and/or flagging shall be installed with the assistance of a qualified biologist to indicate the limits of work and prevent inadvertent grading equipment staging, vehicular access, or other disturbance within the adjacent sensitive habitat areas.
 - a. Oak woodland habitat shall be protected at or outside of the dripline of overstory oaks as sensitive habitat and avoided during construction.
 - b. No work-related activity including equipment staging, vehicular access, grading and/or vegetation removal shall be allowed outside the designated limits of work.
 - c. Special-status plants located near or within the project impact area shall be identified, protected with high visibility fencing, and avoided

during construction.

d. The fencing/flagging shall be inspected and maintained daily until project completion.

- E. Meet all requirements and pay any applicable plan check fee of the Central Fire Protection District.
 - F. Pay the current fees for Parks mitigation. Currently, these fees are \$0.55 per square foot for single family dwellings.
 - G. Pay the current fees Child Care mitigation. Currently, these fees are \$0.85 per square foot for single family dwellings.
 - H. Pay the current fees for Roadside and Transportation improvements for five bedroom(s).
 - I. Pay the current Affordable Housing Impact Fee. The fees are based on unit size and the current fee for a dwelling up to 2,000 square feet is \$2 per square foot.
 - J. Provide required off-street parking for four cars. Parking spaces must be 8.5 feet wide by 18 feet long and must be located entirely outside vehicular rights-of way. Parking must be clearly designated on the plot plan.
 - K. Submit a written statement signed by an authorized representative of the school district in which the project is located confirming payment in full of all applicable developer fees and other requirements lawfully imposed by the school district.
- III. All construction shall be performed according to the approved plans for the Building Permit. Prior to final building inspection, the applicant/owner must meet the following conditions:
- A. All site improvements shown on the final approved Building Permit plans shall be installed.
 - B. All inspections required by the building permit shall be completed to the satisfaction of the County Building Official.
 - C. The project must comply with all recommendations of the approved soils reports.
 - D. A Landscape Installation Certificate prepared in accordance with the Water Efficient Landscape Ordinance (County Code Chapter 13.13) shall be provided.
 - E. Pursuant to Sections 16.40.040 and 16.42.080 of the County Code, if at any time during site preparation, excavation, or other ground disturbance associated with this development, any artifact or other evidence of an historic archaeological resource or a Native American cultural site is discovered, the responsible persons shall immediately cease and desist from all further site excavation and notify the Sheriff-

Coroner if the discovery contains human remains, or the Planning Director if the discovery contains no human remains. The procedures established in Sections 16.40.040 and 16.42.080, shall be observed.

IV. Operational Conditions

- A. In the event that future County inspections of the subject property disclose noncompliance with any Conditions of this approval or any violation of the County Code, the owner shall pay to the County the full cost of such County inspections, including any follow-up inspections and/or necessary enforcement actions, up to and including permit revocation.

V. Indemnification

The applicant/owner shall indemnify, defend with counsel approved by the COUNTY, and hold harmless the COUNTY, its officers, employees, and agents from and against any claim (including reasonable attorney's fees, expert fees, and all other costs and fees of litigation), against the COUNTY, its officers, employees, and agents arising out of or in connection to this development approval or any subsequent amendment of this development approval which is requested by the applicant/owner, regardless of the COUNTY's passive negligence, but excepting such loss or damage which is caused by the sole active negligence or willful misconduct of the COUNTY. Should the COUNTY in its sole discretion find the applicant's/owner's legal counsel unacceptable, then the applicant/owner shall reimburse the COUNTY its costs of defense, including without limitation reasonable attorney's fees, expert fees, and all other costs and fees of litigation. The applicant/owner shall promptly pay any final judgment rendered against the COUNTY (and its officers, employees, and agents) covered by this indemnity obligation. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California and will survive termination of this development approval.

- A. The COUNTY shall promptly notify the applicant/owner of any claim, action, or proceeding against which the COUNTY seeks to be defended, indemnified, or held harmless. The COUNTY shall cooperate fully in such defense.
- B. Nothing contained herein shall prohibit the COUNTY from participating in the defense of any claim, action, or proceeding if both of the following occur:
 - 1. COUNTY bears its own attorney's fees and costs; and
 - 2. COUNTY defends the action in good faith.
- C. Settlement. The applicant/owner shall not be required to pay or perform any settlement unless such applicant/owner has approved the settlement. When representing the COUNTY, the applicant/owner shall not enter into any stipulation or settlement modifying or affecting the interpretation or validity of any of the terms or conditions of the development approval without the prior written consent of the

COUNTY.

- D. Successors Bound. The “applicant/owner” shall include the applicant and/or the owner and the successor(s) in interest, transferee(s), and assign(s) of the applicant and/or the owner.

Minor variations to this permit which do not affect the overall concept or density may be approved by the Planning Director at the request of the applicant or staff in accordance with Chapter 18.10 of the County Code.

Please note: This permit expires three years from the effective date listed below unless a building permit (or permits) is obtained for the primary structure described in the development permit (does not include demolition, temporary power pole or other site preparation permits, or accessory structures unless these are the primary subject of the development permit). Failure to exercise the building permit and to complete all of the construction under the building permit, resulting in the expiration of the building permit, will void the development permit, unless there are special circumstances as determined by the Planning Director.

Approval Date: _____

Effective Date: _____

Expiration Date: _____

Appeals: Any property owner, or other person aggrieved, or any other person whose interests are adversely affected by any act or determination of the Zoning Administrator, may appeal the act or determination to the Planning Commission in accordance with chapter 18.10 of the Santa Cruz County Code.

Of 21 Sheets

MARIANI RESIDENCE

EMPIRE GRADE SANTA CRUZ, CALIFORNIA

APN: 080-021-22

INDEX

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- C0.2 - OVERALL ARCHITECTURAL SITE PLAN
- C0.2 - ENLARGED ARCHITECTURAL PLAN
- C0.3 - ENLARGED GARAGE ARCHITECTURAL PLAN
- C1.1 - EXISTING CONDITIONS AND DEMO PLAN
- C2.1 - NORTH GRADING AND DRAINAGE PLAN
- C2.2 - SOUTH GRADING AND DRAINAGE PLAN
- C2.3 - ROOF HEIGHT ANALYSIS
- C3.1 - WATER STORAGE AND FIRE HYDRANT PLAN
- C4.1 - STORMWATER MANAGEMENT PLAN
- C5.1 - EROSION CONTROL PLAN
- C6.1 - DETAILS
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ABBREVIATIONS

AB	AGGREGATE BASE	INV	INVERT
AC	ASPHALT CONCRETE	LP	LOW POINT
BFC	BOTTOM FACE OF CURB	ME	MATCH EXISTING
BFP	BACK FLOW PREVENTER	NRN	NEIGHBOR
BFS	BOTTOM FACE OF STEP	NAP	NOT A PART
C	BOTTOM FACE OF WALL	NG	NATURAL GROUND
CB	CONCRETE	PL	PROPERTY LINE
CL	CATCH BASIN	PSE	PUBLIC SERVICE EASEMENT
CL	CENTELINE	R/W	RIGHT OF WAY
CONC	CONCRETE	STD	STANDARD
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	TBC	TOP BACK OF CURB
DI	DROP INLET/OUTLET INLET	TBW	TOP BACK OF WALL
DIP	DUCTILE IRON PIPE	TC	TOP OF CURB
DWY	DRAINAGE	TW	TOP OF WALL
EP	EDGE OF PAVEMENT	TYP	TYPICAL
EG	EXISTING GRADE	WV	WATER VALVE
(E)	EXISTING		
FF	FINISH FLOOR		
FG	FINISH GRADE		
FL	FLOW LINE		
G	GROUND		
GB	GRADE BREAK		
GF	GARAGE FINISH FLOOR @ GARAGE DOOR		
HP	HIGH POINT		

GENERAL NOTES

- NO CHANGE TO THE PLANS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE OWNER OR OWNERS REPRESENTATIVES.
- CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS AND INVERTS OF EXISTING UTILITY PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY OWNER OR OWNERS REPRESENTATIVES OF VARIANCE FROM THOSE SHOWN ON THE PLANS.
- UNDERGROUND FACILITIES AND UTILITIES HAVE BEEN SHOWN BASED ON RECORD DRAWINGS AND VISIBLE EVIDENCE FOUND IN FIELD. NO WARRANTY IS MADE REGARDING THE COMPLETENESS OR ACCURACY OF SUCH INFORMATION. PRIOR TO CONSTRUCTION, DETERMINE THE EXACT LOCATION OF UNDERGROUND FACILITIES AND UTILITIES, AND PRESERVE SAME FROM DAMAGE. PRIOR TO CONSTRUCTION, VERIFY LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AT THE CROSSING POINTS WITH PROPOSED UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNERS REPRESENTATIVES IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITION HAS BEEN EVALUATED, CONTACT UNDERGROUND SERVICES ALERT (USA) (CALL 811) TWO (2) WEEKS PRIOR TO DIGGING. REPAIR UNDERGROUND UTILITIES DAMAGED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES ASSOCIATED WITH CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE UNDERGROUND FACILITIES AND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES TO VERIFY THE EXISTENCE AND/OR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. AND SHALL NOTIFY U.S.A. @ 811 OR (800) 227-2600 AT LEAST 48-HOURS IN ADVANCE OF EXCAVATION.
- IF ANY INDICATIONS OF ARCHEOLOGICAL REMAINS ARE ENCOUNTERED DURING GRADING ACTIVITIES FOR ANY DEVELOPMENT WITHIN THE PROJECT SITE, ALL WORK SHALL BE HALTED WITHIN 200 FOOT RADIUS OF THE FIND. OWNERS SHALL RETAIN A QUALIFIED ARCHEOLOGIST RETAINED TO DETERMINE THE NATURE OF THE DISCOVERY AND RECOMMEND APPROPRIATE EVALUATION PROCEDURES.
- CONTRACTOR SHALL BE FAMILIAR WITH, KEEP AND MAINTAIN A COPY OF THE MITIGATION MONITORING AND REPORTING PROGRAM (MMP) ON SITE, IN THE JOB TRAILER AT ALL TIMES.

JOB COPY NOTE

- THE JOB COPIES OF THE BUILDINGS AND FIRE SYSTEMS PLANS AND PERMITS MUST BE ON-SITE DURING INSPECTIONS.

GEOTECHNICAL ENGINEER:

EARTH INVESTIGATIONS CONSULTANTS
P.O. BOX 755
PACIFICA, CA 94044
OFFICE: (650) 557-0262

SURVEYOR:

EDMUNDSON & ASSOCIATES LAND SURVEYING
1512 SEABRIGHT AVENUE
SANTA CRUZ, CA 95062
OFFICE: (831) 425-7796

CONTRACTOR RESPONSIBILITY

CONTRACTOR AGREES THAT HE SHOULD ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT AND THAT REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED DURING WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE DESIGN PROFESSIONALS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE DESIGN PROFESSIONAL FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

SEPTIC ENGINEER

BIOSPHERE CONSULTING, INC.
1312 KING STREET
SANTA CRUZ, CA 95060
OFFICE: (831) 430-9116

ARCHITECT:

KALISPELL MONTANA LOG HOMES
3250 U.S. HWY 93 S.
KALISPELL, MT 59901
OFFICE: (406) 752-9992

CIVIL ENGINEER:

CSC/CIVIL CONSULTANTS GROUP, INC.
4444 SCOTT'S VALLEY DRIVE, STE. B
SCOTT'S VALLEY, CA 95066
OFFICE: (831) 438-4420

BIOLOGIST

JOHN MCGRAH CONSULTING
PO BOX 221
FREETOWN, CA 95019
OFFICE: (831) 768-6988

OWNER

DAVID MARIANI
575 GABRIAN ST
LOS ALTOS, CA
(831) 236-6699

UTILITY NOTE:

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS. CALL USA AT 811 OR (800) 227-2600. CONTRACTOR TO NOTIFY ENGINEER IF ANY APPARENT CONFLICTS FOR RESOLUTION PRIOR TO START OF CONSTRUCTION.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THE PLANS.

AS-BUILT NOTE

AN AS-BUILT PLAN SHALL BE PREPARED BY THE CONTRACTOR AND CERTIFIED BY THE PROJECT ENGINEER THAT ALL WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

EARTHWORK QUANTITIES

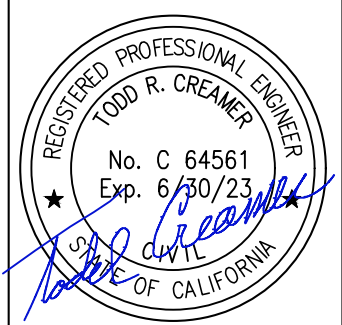
NOTE: THE EARTHWORK QUANTITIES SHOWN HEREON ARE EXCLUSIVE OF WALL FOOTINGS, EXISTING PAVEMENT REMOVAL AND OVER EXCAVATION AND RECONSTRUCTION, UTILITY TRENCHES & SOIL EXPANSION AND CONTRACTION FACTORS.

ITEM	DESCRIPTION	CUT (cu yds)	FILL (cu yds)
1	EG VS. FG	289	842
2	MAIN HOUSE FOUNDATIONS	95	0
3	MAIN HOUSE DRIVEWAY	703	10
4	MAIN HOUSE GARAGE	110	0

**NET VOLUME =
346 CU. YDS. OF CUT**

REVISIONS		BY
1	COUNTY COMM DATED 1/21/22	LL
2	COUNTY COMM DATED 2/28/23	DD

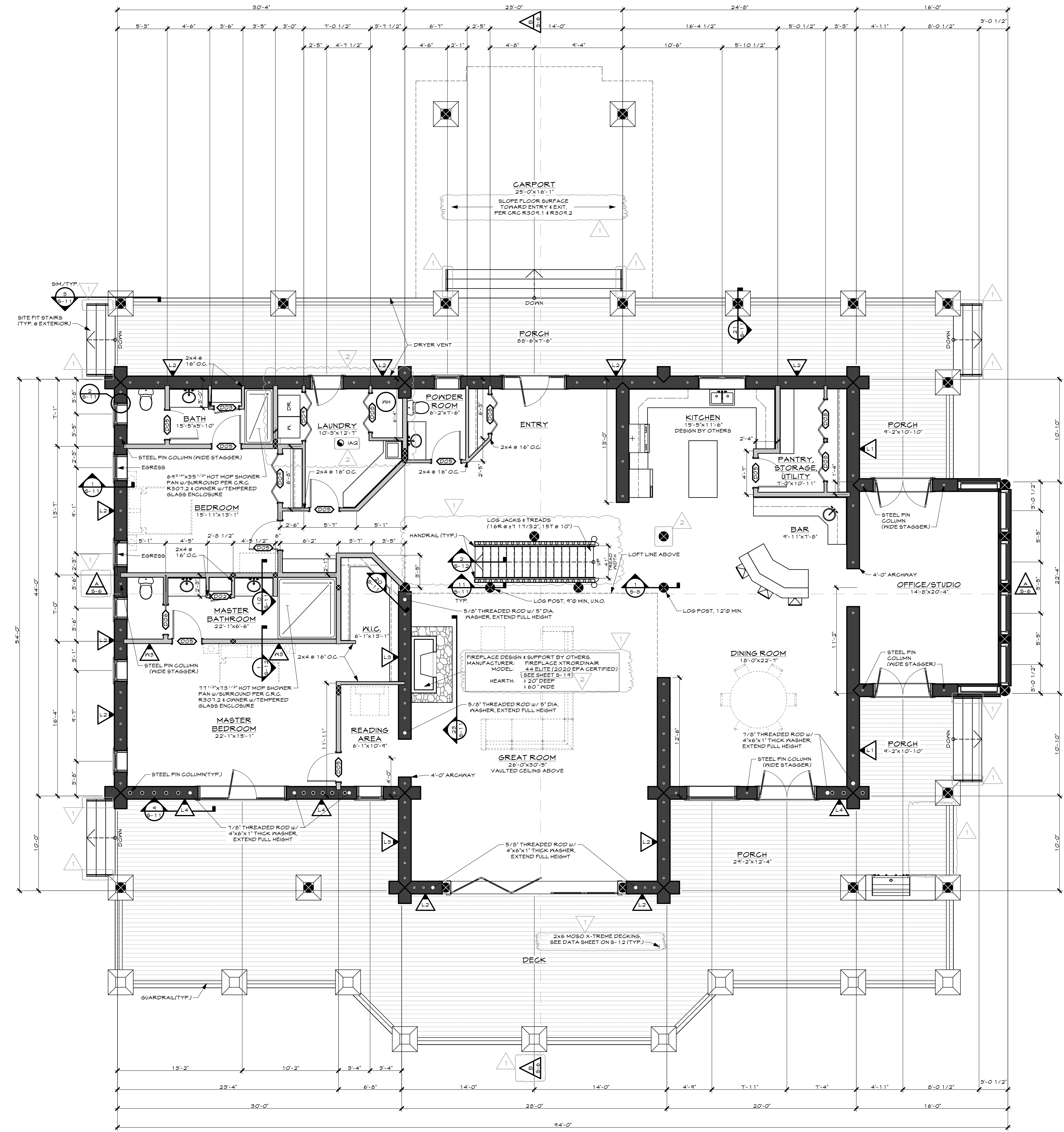
COVER



C2G C2G / CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Suite 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-4420

MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date:	11/17/22
Scale:	1" = 50'
Drawn:	JW
Job:	446-45
Sheet:	C0.1
	Of 14 Sheets



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

*ALL INTERIOR DOOR JAMBS ON 6" WALLS TO BE 6" X 16" UNLESS NOTED OTHERWISE
*ALL INTERIOR DOOR JAMBS ON 4" WALLS TO BE 4" X 16" UNLESS NOTED OTHERWISE
*ALL INTERIOR WALLS TO BE 2x6 @ 16" O.C. UNLESS NOTED OTHERWISE

- EXTERIOR WINDOWS AND EXTERIOR DOORS WITH GLAZING, SHALL BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE (C.R.G. R33 T.8.2.1).
- EXTERIOR DOORS, INCLUDING GARAGE DOORS, SHALL MEET ONE OF THE FOLLOWING (C.R.G. R33 T.8.3):
 - THE EXTERIOR SURFACE OR GLADDING SHALL BE OF NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL.
 - SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MIN. WHEN TESTED ACCORDING TO NFPA252.
 - SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF 9FM STANDARD 12-TA-1.
- VENTS SHALL RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THROUGH THE VENTILATION OPENINGS WITH THE MINIMUM REQUIREMENTS (C.R.G. R33 T.6):
 - THE DIMENSIONS OF THE OPENINGS THEREIN SHALL BE A MIN. OF 1/16TH INCH AND SHALL NOT EXCEED 1/8TH INCH.
 - THE MATERIALS SHALL BE INCOMBUSTIBLE.
 - THE MATERIALS USED SHALL BE CORROSION RESISTANT.

WILDLAND URBAN INTERFACE NOTES

WHOLE UNIT VENTILATION CALCULATION (ASHRAE 62.2) CONTINUOUSLY	
LOCATION	LAUNDRY
FLOOR AREA (S.F.)	4.999
NO. OF BEDROOMS	4
VENTILATION RATE (CFM) = 0.03 (SQ.FT.) x 7.5 (BEDROOMS + 1)	187.47
DESIGNED VENTILATION (CFM)	190
MANUFACTURER	PANASONIC
MODEL	FV-20V33
CFM	190
ZONE RATING	190 @ 0.1" SP = 0.8

FLOOR FINISH SCHEDULE NOTE: ALL FINISHES TO BE CIRCLE BARN LARCH WOOD UNLESS NOTED BELOW	
AREA	FINISH
BATH	CERAMIC TILE
LAUNDRY	CERAMIC TILE
POWDER ROOM	CERAMIC TILE
MASTER BATHROOM	CERAMIC TILE
PORCHES & DECKS	MOSO X-TREME DECKING (FULL APPROVED)

HEATED/UNHEATED AREA	
HEATED (LIVING SPACE)	4,999 SQ. FT.
UNHEATED (DECKS & PORCHES)	2,648 SQ. FT.

PLAN LEGEND	
MARK	WALL
○	1/8" STEEL ROD
●	1" STEEL ROD
○	HOLD-DOWN PER PLAN
○	5/8" THRU-BOLT IN 9/16" WASHER ON TOP AND BOTTOM

NOTE:
1. PIN COLUMN SPACINGS MAY VARY, NUMBER OF PIN COLUMNS SHOWN IS REQUIRED.

SHEARWALL SCHEDULE - FRAME WALLS (10) (SOME SHEARWALL TYPES MAY NOT BE USED ON THIS PROJECT)					
MARK (16)	WALL SHEATHING (1, 2, 12, 13)	NAIL SIZE & SPACING (4, 5)	BLOCKING & STUD SIZE & ADJOINING PANEL EDGES (5, 6, 14)	RM JOIST OR BLOCKING CONNECTION TO TOP PLATE BELOW (7, 8)	2X PLATE ATTACHMENT TO TOP PLATE BELOW (11)
10	15/32" PLYWOOD OR OSB - STRUCTURAL BOTH SIDES	8d @ 3" O.C.	3X	CLIP @ 8" O.C.	SIMPSON SDS25500 SCREWS @ 8" O.C. (2)2X
10A	15/32" PLYWOOD OR OSB - STRUCTURAL	8d @ 4" O.C.	2X	CLIP @ 16" O.C.	SIMPSON SDS25500 SCREWS @ 12" O.C. 12d @ 4" O.C. 2X

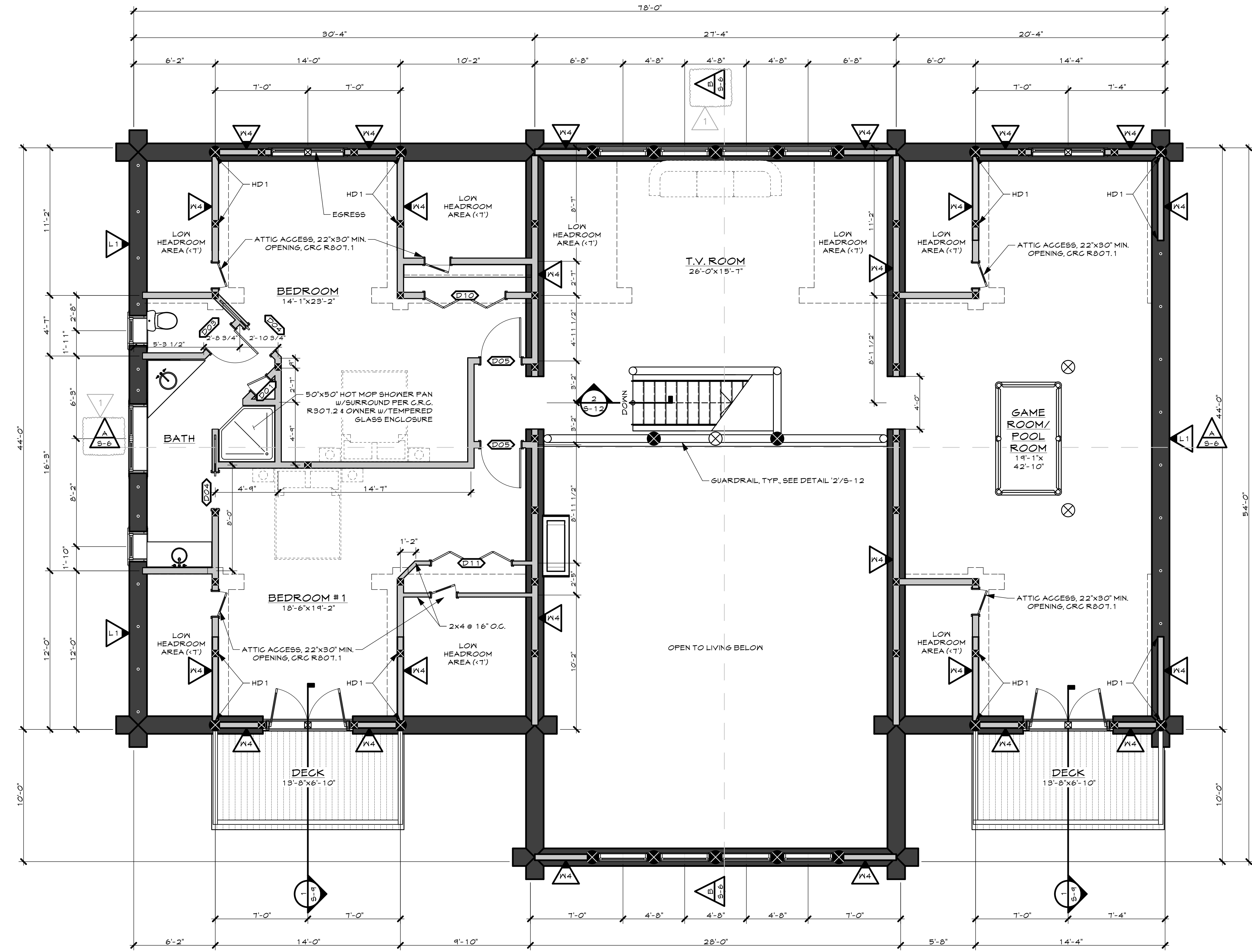
SHEARWALL SCHEDULE NOTES:

- INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY.
- WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2X FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE LOCATED ON THE SAME STUDS.
- BLOCKING IS REQUIRED AT ALL PANEL EDGES.
- PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLAN. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS OR DOORWAYS OR AS DESIGNATED ON PLANS. FOR HOLD-DOWN REQUIREMENT, REFERENCE PLAN 10. ALTERNATE NOTE: WALLS DESIGNATED AS PERFORATED SHEAR WALLS REQUIRE SHEATHING SHEAR WALL NAILING, ETC. ABOVE AND BELOW ALL OPENINGS.
- SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLD-DOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLD-DOWNS. FOR ADDITIONAL INFORMATION, REFERENCE THE HOLD-DOWN DETAILS.
- INTERMEDIATE FRAMING TO BE WITH 2X MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING WITH 8d NAILS AT 12" O.C. WHERE STUDS ARE SPACED AT 16" O.C. AND 8d NAILS AT 8" O.C. WHERE STUDS ARE SPACED AT 24" O.C.
- BASED ON 0.131" DIA. X 1 1/2" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 8d WHERE INSTALLED OVER SHEATHING.
- FRAMING CLIPS: SIMPSON A35 OR LTPS OR APPROVED EQUIVALENT.
- WHERE BOTTOM PLATE ATTACHMENT SPECIFIED (2 ROWS OF NAILS PROVIDE DOUBLE JOINT, RM JOIST OR EQUAL BELOW. STAGGER NAILS IN ROWS 1 1/2" APART.
- ALL STUD FRAMING AND BLOCKING TO BE CONSTRUCTED USING DP-L NO. 2.
- PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.
- 1 1/8" APA-RATED SHEATHING (OSB) MAY BE USED IN PLACE OF 1/2" SHEATHING PROVIDED THAT ALL STUDS ARE SPACED @ 16" O.C. MAXIMUM.
- WHERE MOOD SHEATHING (N) IS APPLIED OVER GYPSEUM SHEATHING (G), CONTACT THE ENGINEER OF RECORD FOR ALTERNATE NAILING REQ.
- AT ADJOINING PANEL EDGES (12) 2X STUDS NAILED TOGETHER MAY BE USED IN PLACE OF A SINGLE 3X STUD. DOUBLE 2X STUDS MAY BE CONNECTED TOGETHER BY NAILING THE STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING. REFERENCE B.C. NAILING SCHEDULE.
- CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVES TO CAST-IN-PLACE ANCHOR RODS. SPECIAL INSPECTION MAY BE REQUIRED.
- WHERE 'W' INDICATES MOOD SHEATHING AND 'X' INDICATES EDGE NAIL SPACING.

SHEARWALL SCHEDULE - LOG WALLS (SOME SHEARWALL TYPES MAY NOT BE USED ON THIS PROJECT)					
MARK	LATERAL FASTENERS (1)	FASTENER SPACING (2, 3)	AVERAGE WALL LOG DIAMETER (4)	RM JOIST OR BLOCKING CONNECTION TO TOP PLATE BELOW (5, 6)	SILL LOG ATTACHMENT FASTENERS TO OR FROM MOOD BELOW (7, 8, 12)
11	1/8" STEEL ROD	48" O.C.	14" DIA.	CLIP @ 24" O.C.	1/2" DIA. A.R. @ 30" O.C.
11A	1/8" STEEL ROD	24" O.C.	14" DIA.	CLIP @ 16" O.C.	1/2" DIA. LAS @ 30" O.C.
11B	1/8" STEEL ROD	16" O.C.	14" DIA.	CLIP @ 12" O.C.	1/2" DIA. LAS @ 24" O.C.
11C	1" STEEL ROD	16" O.C.	14" DIA.	CLIP @ 8" O.C.	1/2" DIA. LAS @ 12" O.C.

SHEARWALL SCHEDULE NOTES:

- MINIMUM OF 2 FASTENERS PER LOG STACK.
- FASTENERS TO BE SPACED @ 60" O.C. UNO PER THIS SHEARWALL SCHEDULE.
- WHERE DRIFT PINS ARE USED AS THE FASTENER, EACH PIN IS TO PENETRATE A MINIMUM OF 2 FULL LOGS. WHERE LAGS OR LOG SCREWS ARE USED A MINIMUM OF 1 1/4" THE DIAMETER OF THE FASTENER IS REQUIRED TO PENETRATE THE LOWER OF TWO LOGS. FASTENER SPACING INDICATES THE FASTENERS REQUIRED AT EACH LOG ROUND UNO.
- AVERAGE WALL DIAMETERS ASSUME THE MIDPOINT AND AVERAGE TAPER OF 1" DIA. PER 10 FEET LOG LENGTH.
- BASED ON 0.131" DIA. X 1 1/2" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 8d NAILS WHERE INSTALLED OVER SHEATHING.
- FRAMING CLIPS: SIMPSON A35 OR LTPS OR APPROVED EQUIVALENT.
- ALL BASE FASTENERS TO HAVE A MINIMUM EMBED OF 1" THE DIAMETER OF THE BASE FASTENER OR 3" TO THE MEMBER BELOW UNO.
- WHERE CONDITIONS SPECIFIED IN NOTE (1) CANNOT BE SATISFIED, THE FASTENER IS TO BE APPLIED FROM THE MEMBER BELOW INTO THE SILL LOG. MINIMUM EMBED DEPTHS AS SPECIFIED IN NOTE (1) APPLY.
- DOES NOT APPLY WHEN SILL LOG IS SUPPORTED BY A FRAMED WALL BELOW. LAG UP TO BOTTOM OF DOUBLE TOP PLATE BELOW UP INTO SILL LOG & THESE LOCATIONS.
- IN SEISMIC DESIGN CATEGORIES D E AND F, ANCHOR RODS SHALL BE PROVIDED WITH STEEL PLATE WASHERS 1/4X3X0-3". EMBED ANCHOR RODS 1" MINIMUM INTO THE CONCRETE.
- PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.
- BASE ATTACHMENT SPACING ON FASTENERS INSTALLED THE ENTIRE LENGTH OF SILL LOG UNO.



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

*ALL INTERIOR DOOR JAMBS ON 6" WALLS TO BE 6 # 4/16" UNLESS NOTED OTHERWISE
*ALL INTERIOR DOOR JAMBS ON 4" WALLS TO BE 4 # 4/16" UNLESS NOTED OTHERWISE
*ALL INTERIOR WALLS TO BE 2X6 @ 16" O.C. UNLESS NOTED OTHERWISE

- EXTERIOR WINDOWS AND EXTERIOR DOORS WITH GLAZING, SHALL BE CONSTRUCTED OF MULTI-PANE GLAZING WITH A MINIMUM OF ONE TEMPERED PANE (C.R.C. R33 T.8.2.1).
- EXTERIOR DOORS, INCLUDING GARAGE DOORS, SHALL MEET ONE OF THE FOLLOWING (C.R.C. R33 T.8.3):
 - THE EXTERIOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL.
 - SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MIN. WHEN TESTED ACCORDING TO NFPA 252.
 - SHALL BE TESTED TO MEET THE PERFORMANCE REQUIREMENTS OF SFM STANDARD 12-7A-1.
- VENTS SHALL RESIST BUILDING IGNITION FROM THE INTRUSION OF BURNING EMBERS AND FLAME THROUGH THE VENTILATION OPENINGS WITH THE MINIMUM REQUIREMENTS (C.R.C. R33 T.6):
 - THE DIMENSIONS OF THE OPENINGS THEREIN SHALL BE A MIN. OF 1/16TH INCH AND SHALL NOT EXCEED 1/8TH INCH.
 - THE MATERIALS SHALL BE INCOMBUSTIBLE.
 - THE MATERIALS USED SHALL BE CORROSION RESISTANT.

WILDLAND URBAN INTERFACE NOTES

FLOOR FINISH SCHEDULE	
AREA	FINISH
TV ROOM	CIRCLE SAWN LARCH WOOD
BEDROOM	CIRCLE SAWN LARCH WOOD
BATHROOM	CERAMIC TILE

PLAN LEGEND	
MARK	WALL
1	"1/8" STEEL ROD
2	"1" STEEL ROD
3	HOLD/DOWN PER PLAN
4	"5/8" THRU-BOLT W/ 3" WASHER ON TOP AND BOTTOM

NOTE:
1. PIN COLUMN SPACING MAY VARY; NUMBER OF PIN COLUMNS SHOWN IS REQUIRED.

SHEARWALL SCHEDULE - FRAME WALLS (10) (SOME SHEARWALL TYPES MAY NOT BE USED ON THIS PROJECT)							
MARK (10)	WALL SHEATHING APPLICABLE (1, 12, 13)	NAIL SIZE & SPACING @ ALL PANEL EDGES (4, 5)	BLOCKING & STUD SIZE & ADJOINING PANEL EDGES (3, 5, 14)	RIM JOIST OR BLOCKING CONNECTION TO TOP PLATE BELOW (7, 8)	LOG WALL CONNECTION TO TOP PLATE BELOW (9, 10)	2X PLATE ATTACHMENT NAILING TO WOOD BELOW (11)	SILL PLATE ATTACHMENT SILL PLATE # FOUNDATION (11)
10-1	15/32" PLYWOOD OR OSB - STRUCTURAL I BOTH SIDES	8d @ 3" O.C.	3x	CLIP @ 8" O.C.	SIMPSON SDS25500 SCREWS @ 6" O.C.	16d @ 4" O.C.	(2) 2x
10-2	15/32" PLYWOOD OR OSB - STRUCTURAL I	8d @ 4" O.C.	2x	CLIP @ 18" O.C.	SIMPSON SDS25500 SCREWS @ 12" O.C.	12d @ 4" O.C.	2x

SHEARWALL SCHEDULE NOTES:

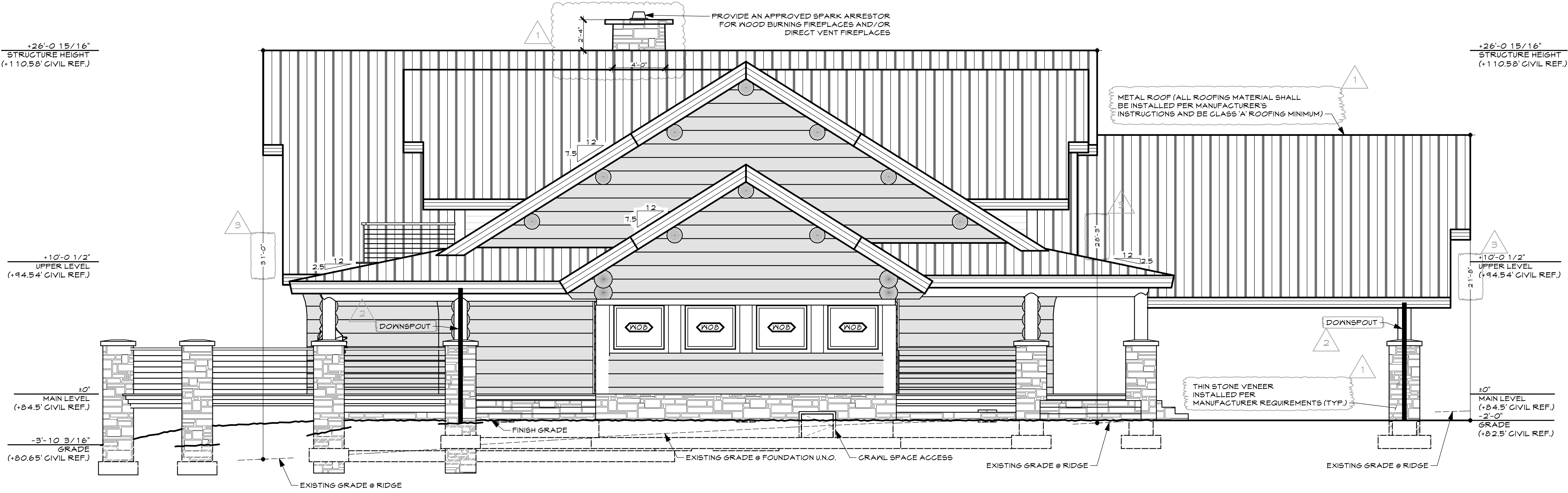
- INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY.
- WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2X FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE LOCATED ON THE SAME STUDS.
- BLOCKING IS REQUIRED AT ALL PANEL EDGES.
- PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS OR DOORWAYS OR AS DESIGNATED ON PLANS. FOR HOLD/DOWN REQUIREMENT, REFERENCE PLANS (ALTERNATE NOTE: WALLS DESIGNATED AS PERFORATED SHEAR WALLS REQUIRE SHEATHING, SHEAR WALL NAILING, ETC. ABOVE AND BELOW ALL OPENINGS).
- SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLD/DOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLD/DOWN POSTS. FOR ADDITIONAL INFORMATION, REFERENCE THE HOLD/DOWN DETAILS.
- INTERMEDIATE FRAMING TO BE WITH 2X MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING WITH 8d NAILS AT 12" O.C. WHERE STUDS ARE SPACED AT 16" O.C. AND 8d NAILS AT 8" O.C. WHERE STUDS ARE SPACED AT 24" O.C.
- BASED ON 0.191" DIA. X 1 1/2" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 8d NAILS WHERE INSTALLED OVER SHEATHING.
- FRAMING CLIPS: SIMPSON A35 OR LTPS OR APPROVED EQUIVALENT.
- WHERE BOTTOM PLATE ATTACHMENT SPECIFICS (2) RONS OF NAILS, PROVIDE DOUBLE JOIST, RIM JOIST OR EQUAL BELOW. STAGGER NAILS IN ROWS 1 1/2" APART.
- ALL STUD FRAMING AND BLOCKING TO BE CONSTRUCTED USING DF-L NO. 2.
- PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.
- 1/4" 16" APA-RATED SHEATHING (OSB) MAY BE USED IN PLACE OF 1/2" SHEATHING PROVIDED THAT ALL STUDS ARE SPACED @ 16" O.C. MAXIMUM.
- WHERE WOOD SHEATHING (W) IS APPLIED OVER GYPSUM SHEATHING (G), CONTACT THE ENGINEER OF RECORDS FOR ALTERNATE NAILING REQ.
- AT ADJOINING PANEL EDGES, (2) 2X STUDS NAILED TOGETHER MAY BE USED IN PLACE OF A SINGLE 2X STUD. DOUBLE 2X STUDS MAY BE CONNECTED TOGETHER BY NAILING THE STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING. REFERENCE EGC NAILING SCHEDULE.
- CONTACT THE STRUCTURAL ENGINEERS OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVES TO CAST-IN-PLACE ANCHOR RODS. SPECIAL INSPECTION MAY BE REQUIRED.
- WHERE "X" INDICATES WOOD SHEATHING AND "K" INDICATES EDGE NAIL SPACING.

SHEARWALL SCHEDULE - LOG WALLS (SOME SHEARWALL TYPES MAY NOT BE USED ON THIS PROJECT)							
MARK	LATERAL FASTENERS (1)	FASTENER SPACING (2,3)	AVERAGE WALL LOG DIAMETER (4)	RIM JOIST OR BLOCKING CONNECTION TO TOP PLATE BELOW (5,6)	SILL LOG ATTACHMENT FASTENING TO OR FROM WOOD BELOW (7,8,12)	ANCHOR ROD TO CONCRETE BELOW (9,10)	SILL PLATE # FOUNDATION (11,12)
A	1/8" STEEL ROD	48" O.C.	14" DIA.	CLIP @ 24" O.C.	1/2" DIA. A.R. @ 48" O.C.	5/8" DIA. @ 30" O.C.	2x
A	1/8" STEEL ROD	24" O.C.	14" DIA.	CLIP @ 16" O.C.	1/2" DIA. LAG @ 36" O.C.	5/8" DIA. @ 16" O.C.	2x
A	1/8" STEEL ROD	16" O.C.	14" DIA.	CLIP @ 12" O.C.	1/2" DIA. LAG @ 24" O.C.	3/4" DIA. @ 16" O.C.	2x
A	1" STEEL ROD	16" O.C.	14" DIA.	CLIP @ 8" O.C.	1/2" DIA. LAG @ 12" O.C.	1" DIA. @ 16" O.C.	3x

SHEARWALL SCHEDULE NOTES:				(8) WHERE CONDITIONS SPECIFIED IN NOTE(1) CANNOT BE SATISFIED, THE FASTENER IS TO BE APPLIED FROM THE MEMBER BELOW INTO THE SILL LOGS. MINIMUM EMBED DEPTHS AS SPECIFIED IN NOTE(1) APPLY.
(1) MINIMUM OF 2 FASTENERS PER LOG STACK.	(2) FASTENERS TO BE SPACED @ 60" O.C. UNO. PER THIS SHEARWALL SCHEDULE.	(3) WHERE DRIFT PINS ARE USED AS THE FASTENER, EACH PIN IS TO PENETRATE A MINIMUM OF 2 FULL LOGS. WHERE LAGS OR LOGS ARE USED, A MINIMUM OF 1X THE DIAMETER OF THE FASTENER IS REQUIRED TO PENETRATE THE LOWER OF TWO LOGS. FASTENER SPACING INDICATES THE FASTENERS REQUIRED AT EACH LOG ROUND UNO.	(4) AVERAGE WALL DIAMETERS ASSUME THE MIDPOINT AND AVERAGE TAPER OF 1" DIA. PER 10 FEET LOG LENGTH.	(5) BASED ON 0.191" DIA. X 1 1/2" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 8d NAILS WHERE INSTALLED OVER SHEATHING.
(6) FRAMING CLIPS: SIMPSON A35 OR LTPS OR APPROVED EQUIVALENT.	(7) ALL BASE FASTENERS TO HAVE A MINIMUM EMBED OF 1X THE DIAMETER OF THE BASE FASTENER OR 9" TO THE MEMBER BELOW UNO.	(8) WHERE CONDITIONS SPECIFIED IN NOTE(1) CANNOT BE SATISFIED, THE FASTENER IS TO BE APPLIED FROM THE MEMBER BELOW INTO THE SILL LOGS. MINIMUM EMBED DEPTHS AS SPECIFIED IN NOTE(1) APPLY.	(9) DOES NOT APPLY WHEN SILL LOG IS SUPPORTED BY A FRAMED WALL BELOW. LAG IS TO BOTTOM OF DOUBLE TOP PLATE BELOW IN TO SILL LOGS & THESE LOCATIONS.	(10) IN BEISHG DESIGN CATEGORIES D, E AND F, ANCHOR RODS SHALL BE PROVIDED WITH STEEL PLATE WASHERS 1/4"X3"X3". EMBED ANCHOR RODS 1" MINIMUM INTO THE CONCRETE.
			(11) PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC.) FOR ALL CONDITIONS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.	(12) BASE ATTACHMENT SPACING ON FASTENERS INSTALLED THE ENTIRE LENGTH OF SILL LOGS UNO.

PELLA® ARCHITECTURAL SERIES WINDOW SCHEDULE				
ID.	QTY.	ELEVATION	R.O. WIDTH	R.O. HEIGHT
W01	6		2'-0 1/4"	3'-6 1/4"
W02	2		2'-5 3/4"	3'-5 3/4"
W03	1		2'-6 1/4"	3'-6 1/4"
W04	1		2'-6 1/4"	4'-0 1/4"
W05	4		+/- 3'-8 3/4" SITE DETERMINED	+/- 2'-8" SITE DETERMINED
W06	2		+/- 3'-8 3/4" SITE DETERMINED	+/- 7'-1 1/4" SITE DETERMINED
W07	2		+/- 3'-8 3/4" SITE DETERMINED	+/- 11'-9 1/4" SITE DETERMINED
W08	6		3'-11 3/4"	3'-5 3/4"
W09	1		4'-11 3/4"	3'-0 1/4"
W10	1		4'-11 3/4"	3'-6 1/4"
W11	1		4'-11 3/4"	3'-11 3/4"
W12	2		5'-6 1/4"	3'-11 3/4"

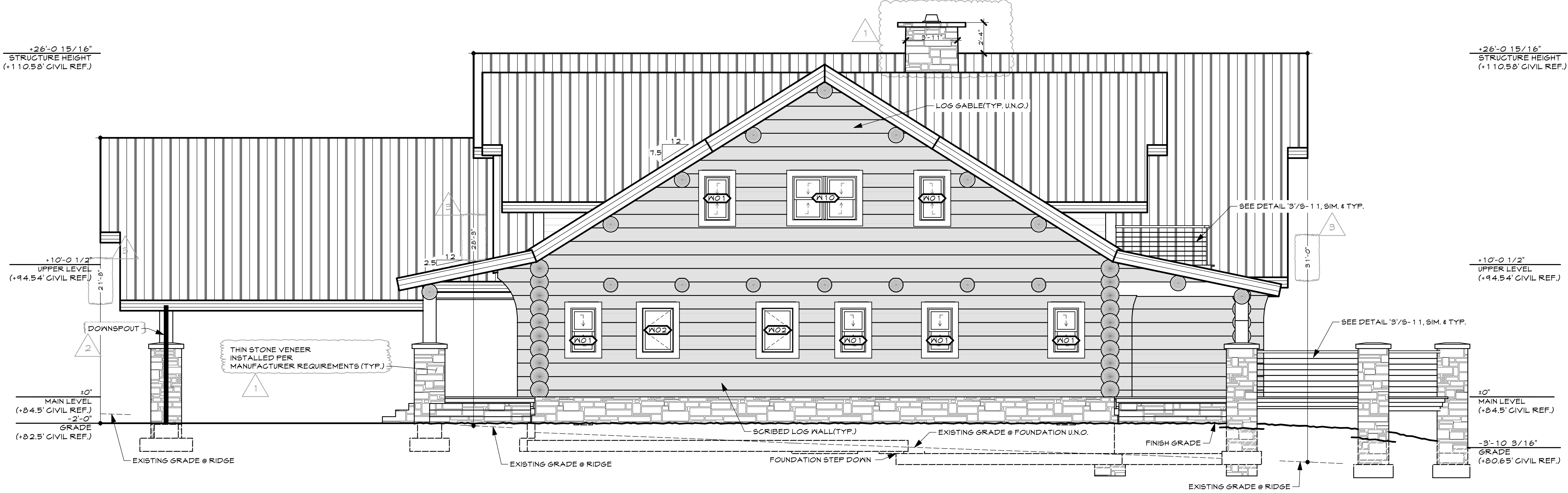
NOTE: WINDOW SIZES SHOWN ABOVE ARE APPROXIMATE. ACTUAL SIZES AND SPINGS ARE TO BE DETERMINED BY HOMEOWNER AND/OR GENERAL CONTRACTOR
NOTE: ALL WINDOW GLAZING MUST BE FULLY TEMPERED



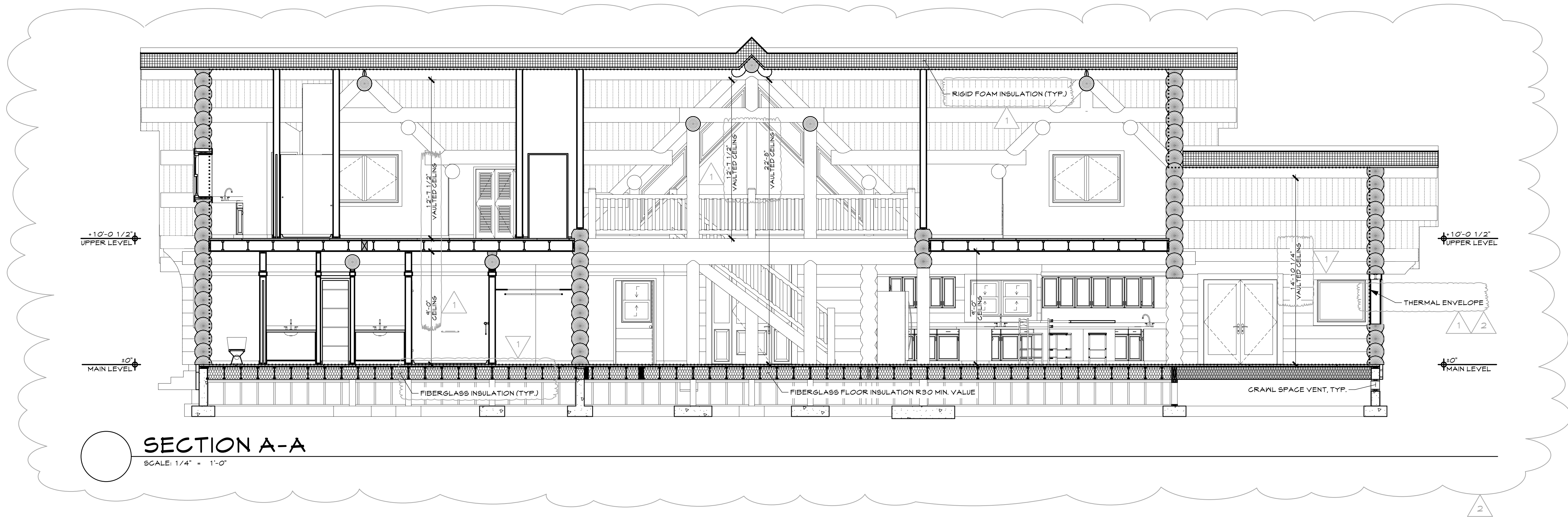
NORTH ELEVATION
SCALE: 1/4" = 1'-0"

ALL INSTALLED GUTTERS SHALL HAVE SCREENS TO PREVENT DEBRIS FROM ENTERING. THE SCREENS SHALL CONFORM TO THE MUI. CODE REQUIREMENTS.

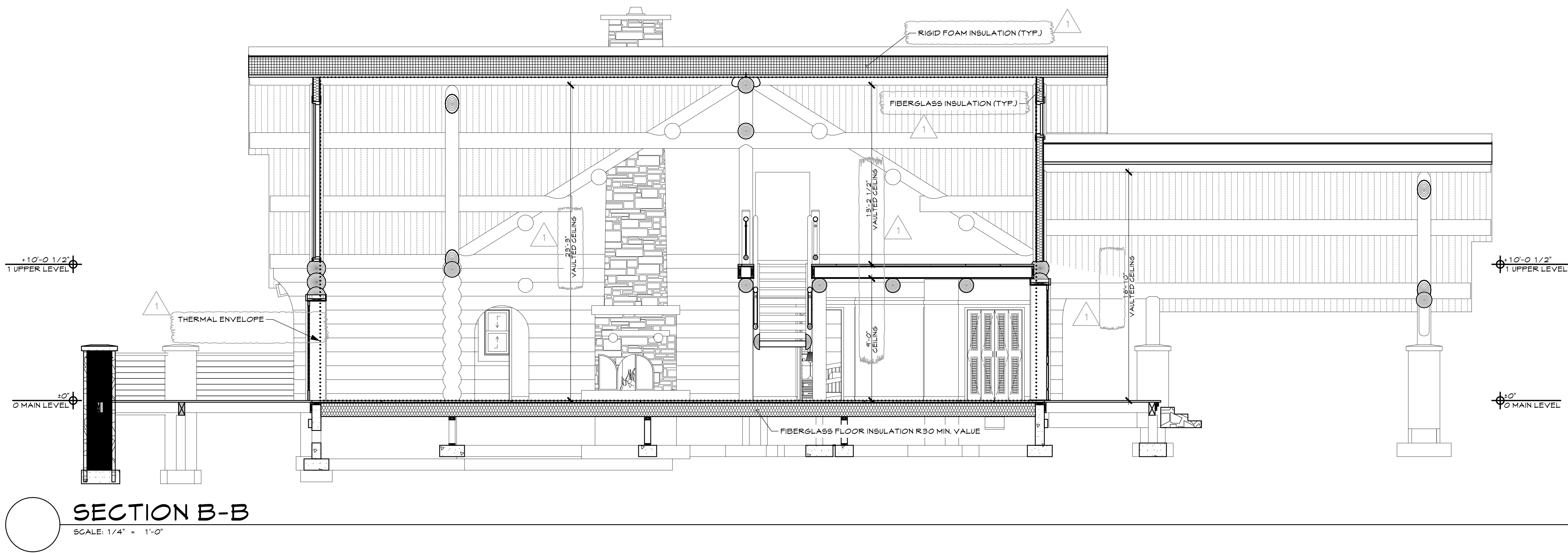
WILDLAND-URBAN INTERFACE NOTE



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



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



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

CONCEPTUAL IMAGES



SAMPLE LOG CABIN



SAMPLE ROOF



SAMPLE STONE



SAMPLE DECKING

COLOR & MATERIALS



METAL ROOF
CORTEN STANDING SEAM



NATURAL WOOD LOGS



NATURAL STONE VENEER



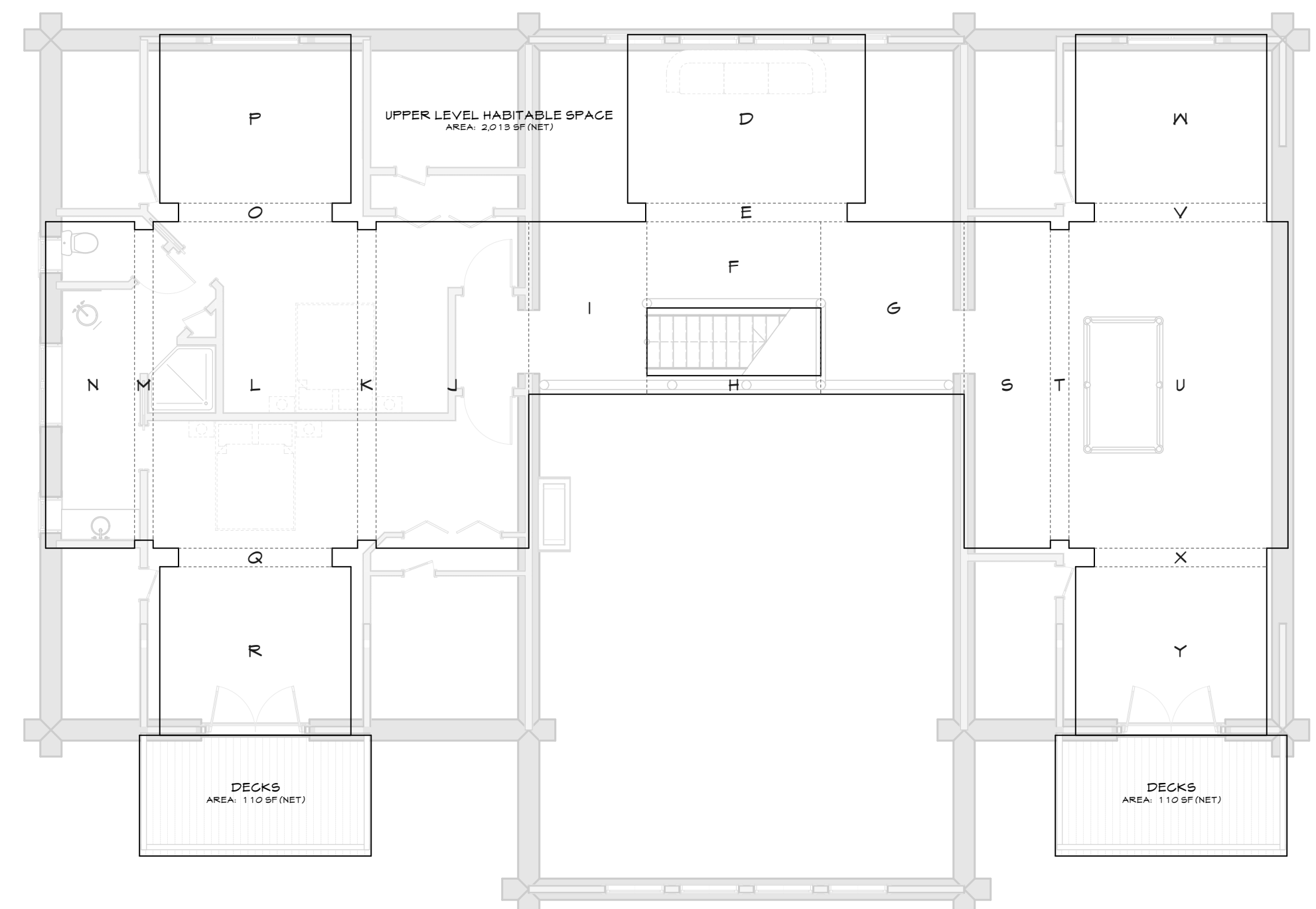
PELLA WINDOWS
HARTFORD GREEN



MOSO BAMBOO
NATURAL DECKING



GUTTERS & DOWNSPOUTS
CORTEN METAL



UPPER LEVEL HABITABLE AREA
SCALE: 1/8" = 1'-0"

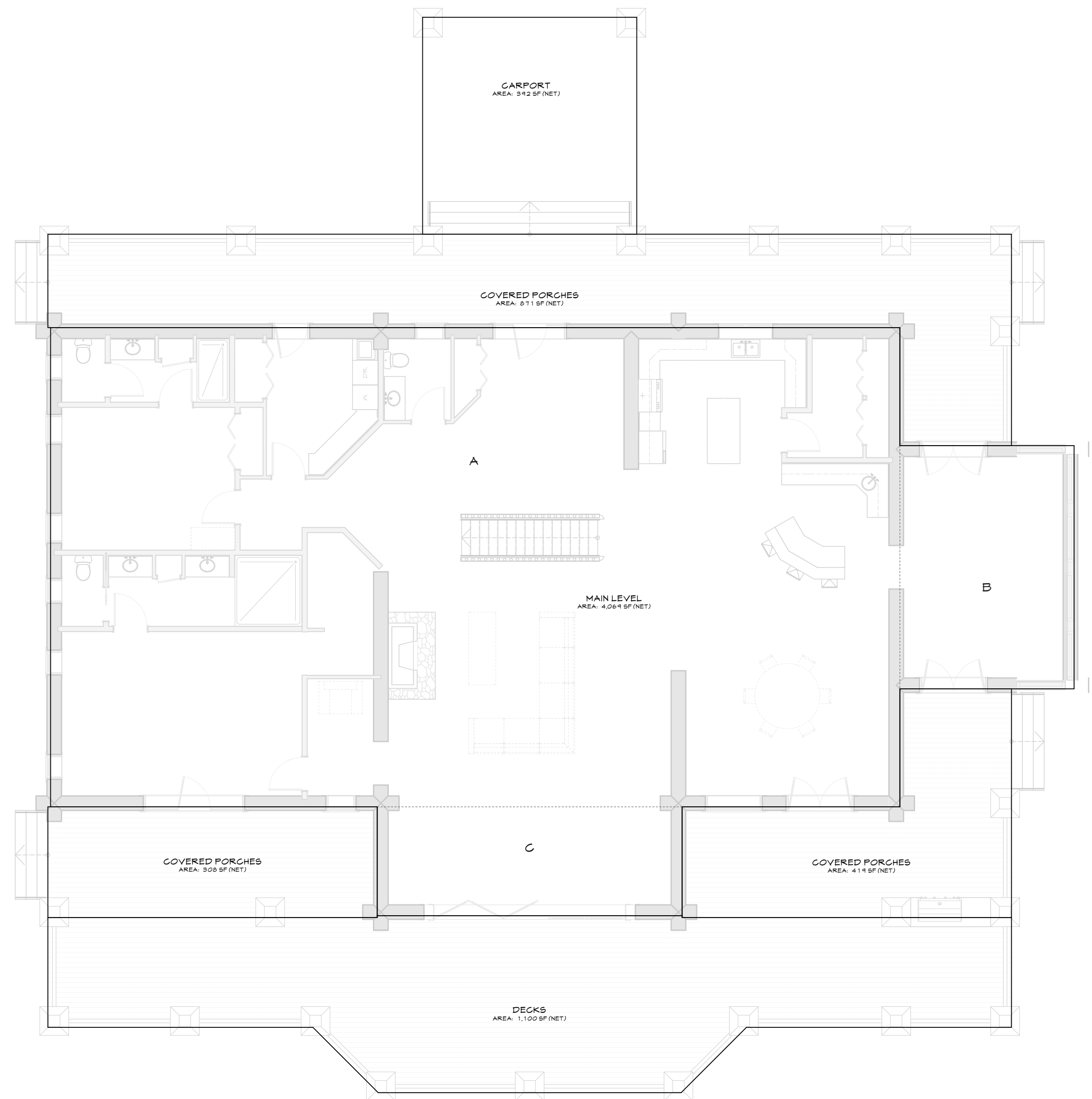
HABITABLE AREA CALCULATION		
LABEL	DIMENSION	AREA
A	18'-0"x44'-0"	949.2 SQ. FT.
B	16'-0"x22'-4"	35.1 SQ. FT.
C	28'-0"x10'-0"	280.0 SQ. FT.
D	14'-1 1/4"x10'-7"	150.0 SQ. FT.
E	12'-7 3/4"x1'-2"	15.0 SQ. FT.
F	10'-1 1/4"x5'-5"	54.9 SQ. FT.
G	9'-0"x10'-10"	9.1 SQ. FT.
H	10'-1 1/4"x1'-2"	13.0 SQ. FT.
I	7'-5"x10'-10"	80.0 SQ. FT.
J	9'-7"x20'-6"	196.0 SQ. FT.
K	1'-2"x14'-6"	23.0 SQ. FT.
L	12'-10"x20'-6"	263.0 SQ. FT.
M	1'-2"x14'-6"	23.0 SQ. FT.
N	5'-7"x20'-6"	114.0 SQ. FT.
O	9'-7 3/4"x1'-2"	11.0 SQ. FT.
P	12'-0"x10'-7"	12.1 SQ. FT.
Q	9'-7 3/4"x1'-2"	11.0 SQ. FT.
R	12'-0"x10'-7"	12.1 SQ. FT.
S	5'-5"x20'-6"	11.1 SQ. FT.
T	1'-2"x14'-6"	23.0 SQ. FT.
U	13'-9"x20'-6"	282.0 SQ. FT.
V	10'-4 7/8"x1'-2"	13.0 SQ. FT.
W	12'-0"x10'-7"	12.1 SQ. FT.
X	10'-4 7/8"x1'-2"	13.0 SQ. FT.
Y	12'-0"x10'-7"	12.1 SQ. FT.

MAIN LEVEL (A-C)	406.9 SQ. FT.
UPPER LEVEL (D-Y)	2013.0 SQ. FT.
TOTAL	6082.0 SQ. FT.

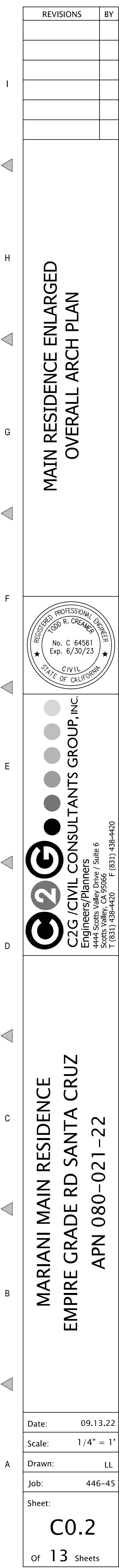
HABITABLE AREA NOTES

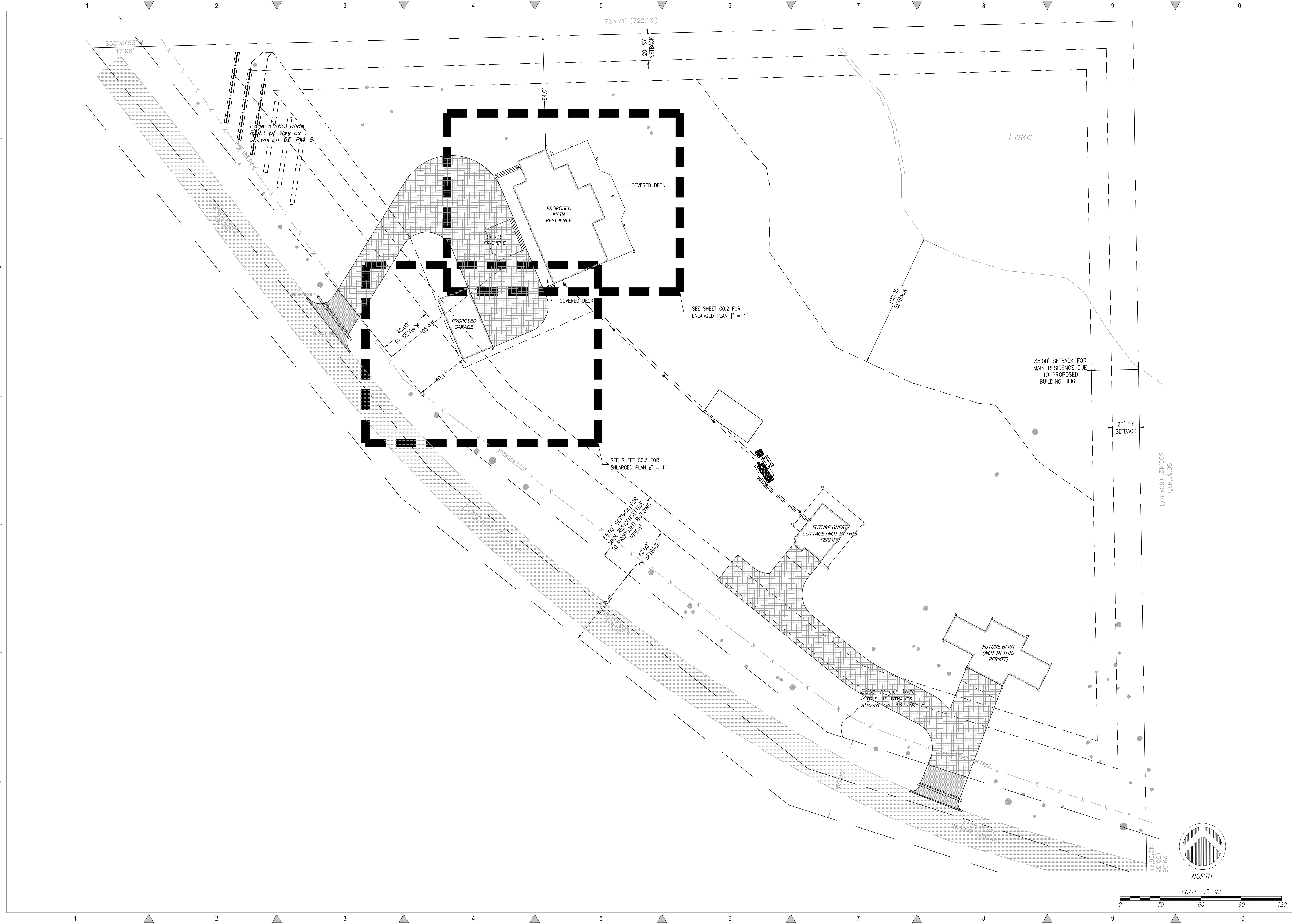
THE LOG WALL SYMBOLS AND NOTES CONTAINED IN THESE PLANS REPRESENT A LOG STACK OF NATURAL SURFACE TAPERING TREE TRUNKS AS THEY OCCUR IN NATURE. HABITABLE AREA AND SQUARE FOOTAGES ARE BASED ON THE EXTERIOR EDGE OF THE FOUNDATION DUE TO THE INFINITE NUMBER OF HORIZONTAL POINTS ON THE LOG STACK. REFERENCE THE LOG STACK EXAMPLE PHOTO BELOW. THE LEFT EDGE OF THE CARPENTER'S LEVEL SHOWN IN THE PHOTO REPRESENTS THE OUTER FOUNDATION EDGE.

THE UPPER LEVEL HABITABLE AREA HAS BOUNDARIES THAT ARE BASED ON A NATURAL SURFACE TAPERING LOG PURLIN. THE AS-BUILT UPPER LEVEL HABITABLE AREA WILL VARY SLIGHTLY DUE TO THESE NATURAL LOGS.



MAIN LEVEL HABITABLE AREA
SCALE: 1/8" = 1'-0"





REVISIONS		BY
1	COUNTY CORN DATED 1/21/22	LL
2	COUNTY CORN DATED 2/28/23	DD

ARCHITECTURAL
OVERALL SITE PLAN

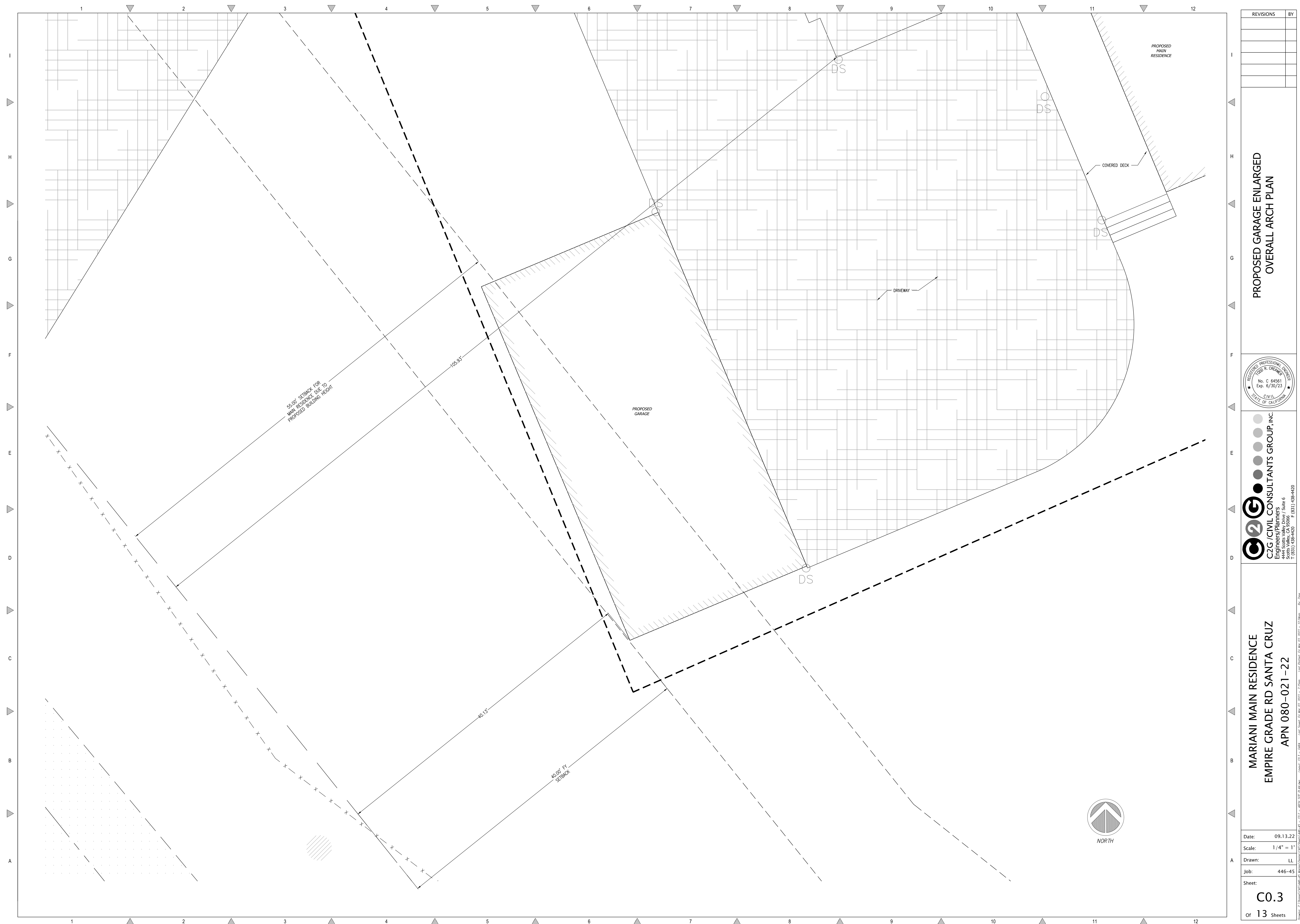


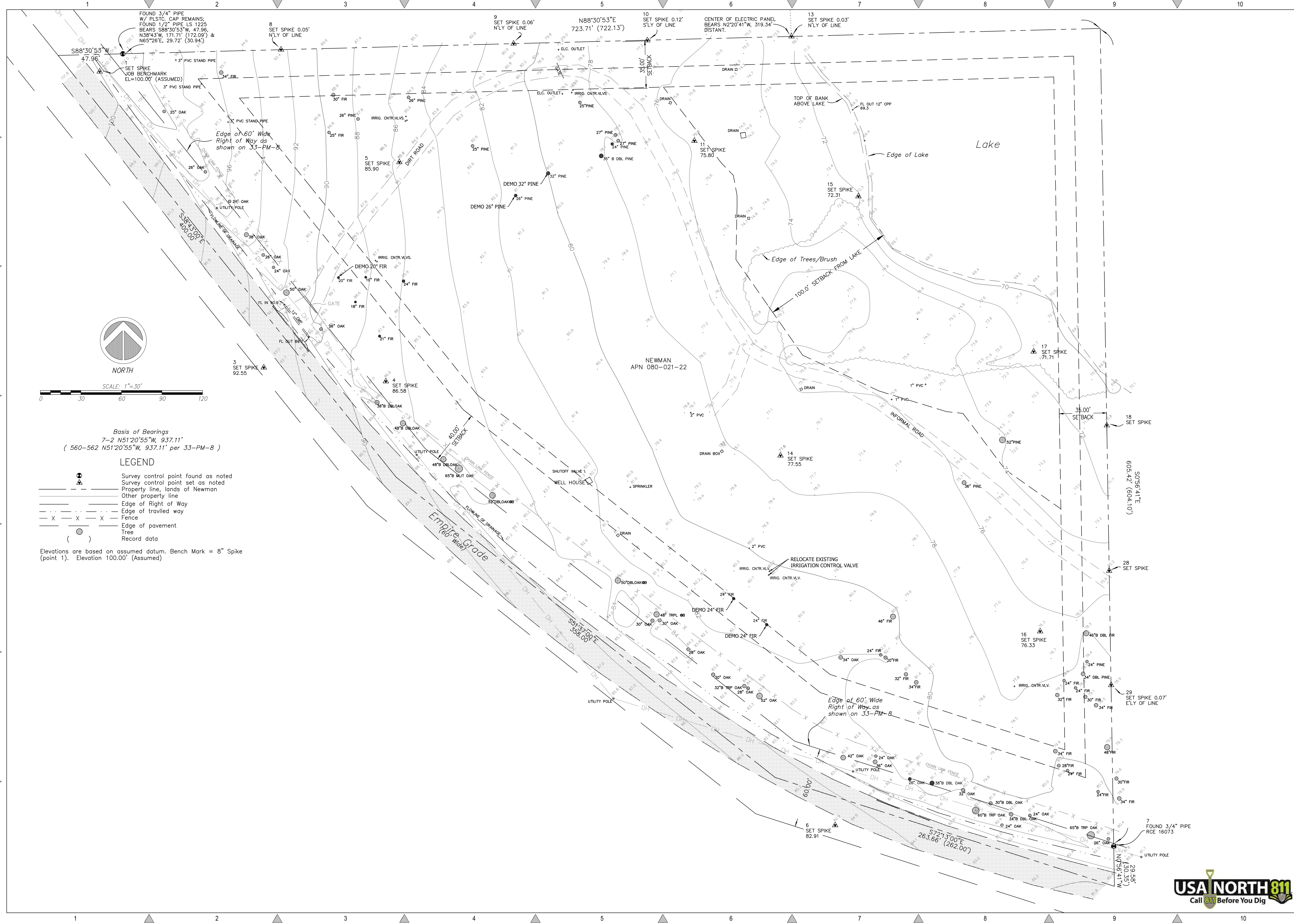
C2G CIVIL CONSULTANTS GROUP, INC.
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MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date:	11/17/22
Scale:	1"=30'
Drawn:	JW
Job:	446-45
Sheet:	C0.2
Of	14 sheets

Drawn: J. Wilson (202) 446-45; Checked: J. Wilson (202) 446-45; Project: C0.2 - 446-45; Date: 11/17/22; Scale: 1"=30'; Sheet: C0.2 of 14





REVISIONS		BY
1	COUNTY CORN DATED 1/21/22	LL
2	COUNTY CORN DATED 2/28/23	DD

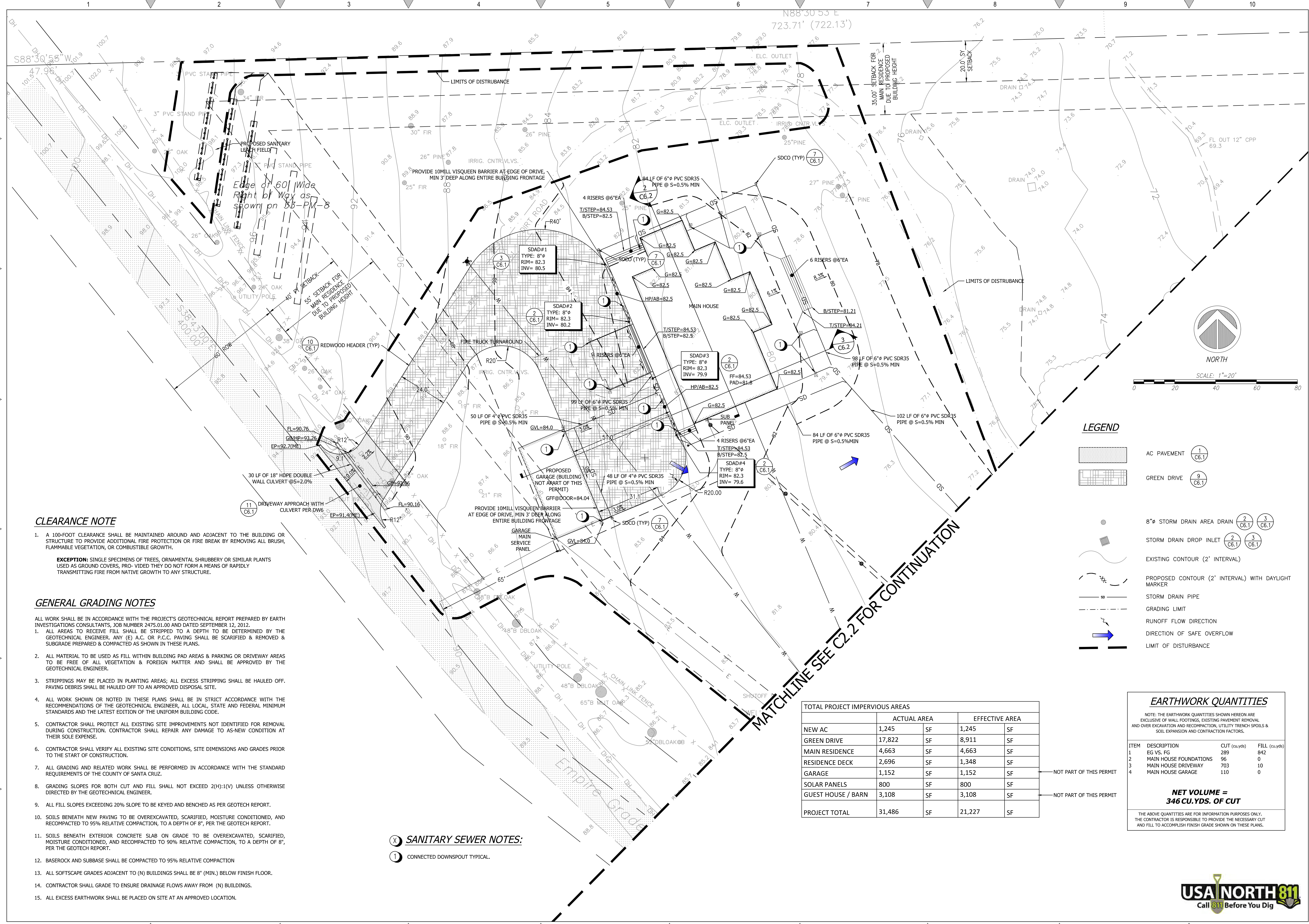
EXISTING CONDITIONS
AND DEMO PLAN



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Scale: 1"=30'
Drawn: JW
Job: 446-45
Sheet: C1.1
Of 14 sheets



CLEARANCE NOTE

1. A 100-FOOT CLEARANCE SHALL BE MAINTAINED AROUND AND ADJACENT TO THE BUILDING OR STRUCTURE TO PROVIDE ADDITIONAL FIRE PROTECTION OR FIRE BREAK BY REMOVING ALL BRUSH, FLAMMABLE VEGETATION, OR COMBUSTIBLE GROWTH.
- EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILAR PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM A MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.

GENERAL GRADING NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE PROJECT'S GEOTECHNICAL REPORT PREPARED BY EARTH INVESTIGATIONS CONSULTANTS, JOB NUMBER 2475.00.00 AND DATED SEPTEMBER 12, 2012.
1. ALL AREAS TO RECEIVE FILL SHALL BE STRIPPED TO A DEPTH TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER, ANY (E) A.C. OR P.C.C. PAVING SHALL BE SCARIFIED & REMOVED & SUBGRADE PREPARED & COMPACTED AS SHOWN IN THESE PLANS.
2. ALL MATERIAL TO BE USED AS FILL WITHIN BUILDING PAD AREAS & PARKING OR DRIVEWAY AREAS TO BE FREE OF ALL VEGETATION & FOREIGN MATTER AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
3. STRIPPINGS MAY BE PLACED IN PLANTING AREAS, ALL EXCESS STRIPPING SHALL BE HAULED OFF, PAVING DEBRIS SHALL BE HAULED OFF TO AN APPROVED DISPOSAL SITE.
4. ALL WORK SHOWN OR NOTED IN THESE PLANS SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, ALL LOCAL, STATE AND FEDERAL MINIMUM STANDARDS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
5. CONTRACTOR SHALL PROTECT ALL EXISTING SITE IMPROVEMENTS NOT IDENTIFIED FOR REMOVAL DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR ANY DAMAGE TO AS-NEW CONDITION AT THEIR SOLE EXPENSE.
6. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, SITE DIMENSIONS AND GRADES PRIOR TO THE START OF CONSTRUCTION.
7. ALL GRADING AND RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD REQUIREMENTS OF THE COUNTY OF SANTA CRUZ.
8. GRADING SLOPES FOR BOTH CUT AND FILL SHALL NOT EXCEED 2(H):1(V) UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
9. ALL FILL SLOPES EXCEEDING 20% SLOPE TO BE KEVED AND BENCHED AS PER GEOTECH REPORT.
10. SOILS BENEATH NEW PAVING TO BE OVEREXCAVATED, SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED TO 95% RELATIVE COMPACTION, TO A DEPTH OF 8", PER THE GEOTECH REPORT.
11. SOILS BENEATH EXISTING CONCRETE SLAB OR ON GRADE TO BE OVEREXCAVATED, SCARIFIED, MOISTURE CONDITIONED, AND RECOMPACTED TO 90% RELATIVE COMPACTION, TO A DEPTH OF 8", PER THE GEOTECH REPORT.
12. BASEROCK AND SUBBASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
13. ALL SOFTSCAPE GRADES ADJACENT TO (N) BUILDINGS SHALL BE 8" (MIN.) BELOW FINISH FLOOR.
14. CONTRACTOR SHALL GRADE TO ENSURE DRAINAGE FLOWS AWAY FROM (N) BUILDINGS.
15. ALL EXCESS EARTHWORK SHALL BE PLACED ON SITE AT AN APPROVED LOCATION.

SANITARY SEWER NOTES:

1. CONNECTED DOWNSPOUT TYPICAL.

TOTAL PROJECT IMPERVIOUS AREAS			
	ACTUAL AREA		EFFECTIVE AREA
NEW AC	1,245 SF	1,245	SF
GREEN DRIVE	17,822 SF	8,911	SF
MAIN RESIDENCE	4,663 SF	4,663	SF
RESIDENCE DECK	2,696 SF	1,348	SF
GARAGE	1,152 SF	1,152	SF
SOLAR PANELS	800 SF	800	SF
GUEST HOUSE / BARN	3,108 SF	3,108	SF
PROJECT TOTAL	31,486 SF	21,227	SF

EARTHWORK QUANTITIES

NOTE: THE EARTHWORK QUANTITIES SHOWN HEREON ARE EXCLUSIVE OF PAUL FOOTINGS, EXISTING PROPERTY REMOVAL AND OVER EXCAVATION AND RECONSTRUCTION, UTILITY TRENCH SPOOLS & SOILS REMOVAL AND CONSTRUCTION FACTORS.

ITEM	DESCRIPTION	CUT (cu yds)	FILL (cu yds)
1	EG VS. FG	289	842
2	MAIN HOUSE FOUNDATIONS	96	0
3	MAIN HOUSE DRIVEWAY	703	10
4	MAIN HOUSE GARAGE	110	0

NET VOLUME =
346 CU.YDS. OF CUT

THE ABOVE QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE NECESSARY CUT AND FILL TO ACCOMPLISH FINISH GRADE SHOWN ON THESE PLANS.

REVISIONS		BY
1	COUNTY CORN DATED 1/21/22	LL
2	COUNTY CORN DATED 2/28/23	DD

NORTH GRADING AND DRAINAGE PLAN



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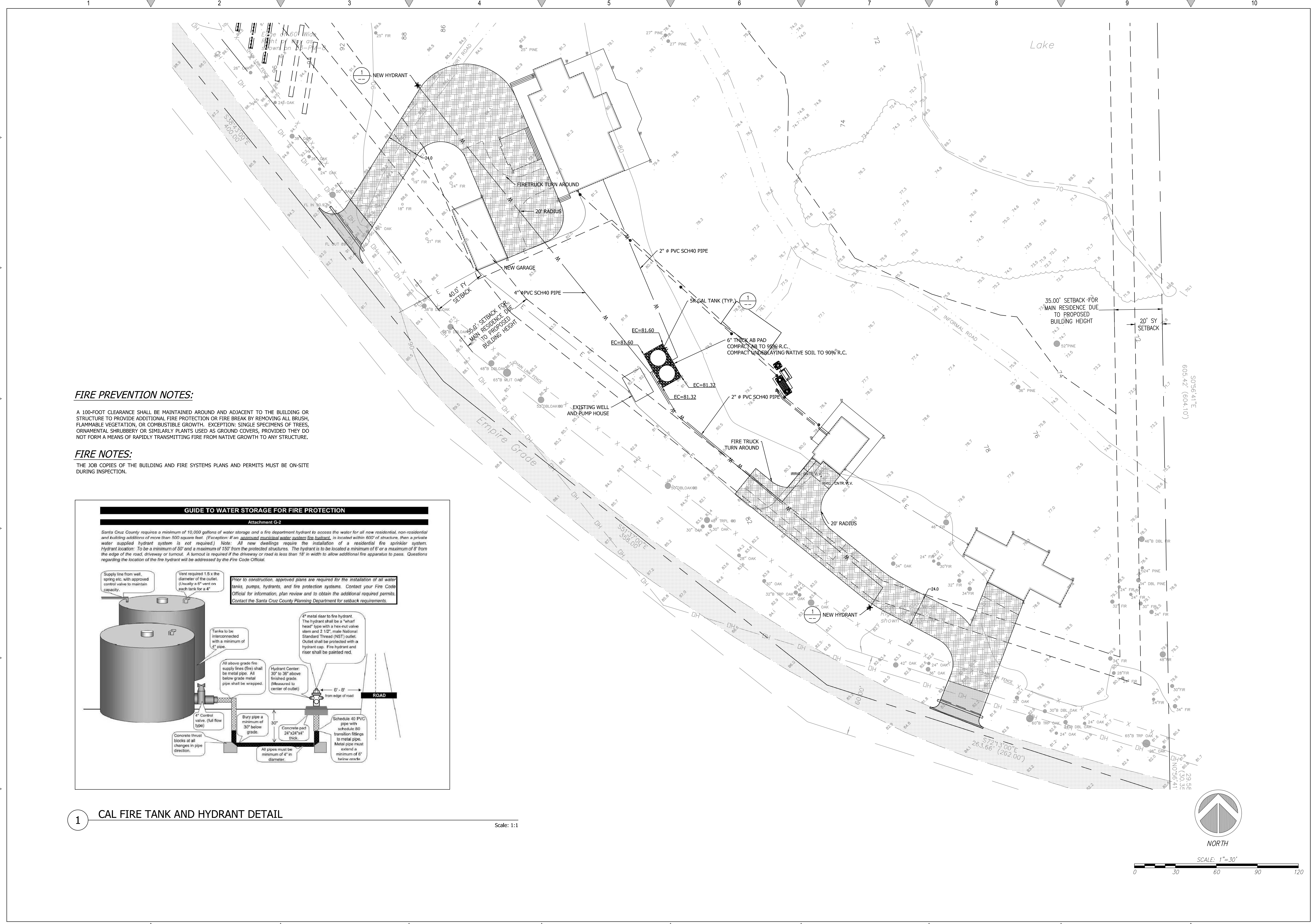
MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date: 11/17/22
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Job: 446-45
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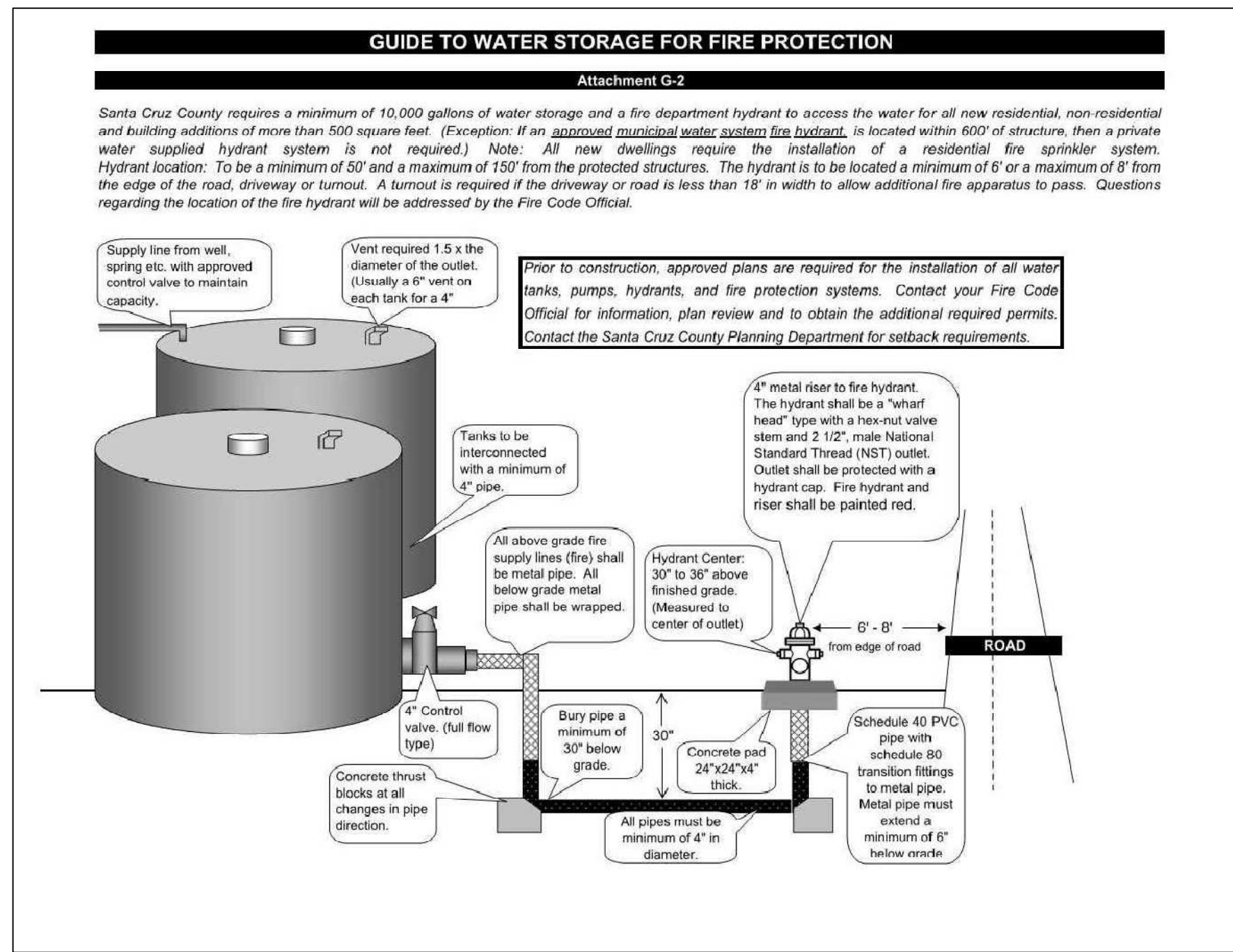


FIRE PREVENTION NOTES:

A 100-FOOT CLEARANCE SHALL BE MAINTAINED AROUND AND ADJACENT TO THE BUILDING OR STRUCTURE TO PROVIDE ADDITIONAL FIRE PROTECTION OR FIRE BREAK BY REMOVING ALL BRUSH, FLAMMABLE VEGETATION, OR COMBUSTIBLE GROWTH. EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILARLY PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM A MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.

FIRE NOTES:

THE JOB COPIES OF THE BUILDING AND FIRE SYSTEMS PLANS AND PERMITS MUST BE ON-SITE DURING INSPECTION.



1 CAL FIRE TANK AND HYDRANT DETAIL

Scale: 1:1

REVISIONS		BY
1	COUNTY CORN DATED 1/21/22	LL
2	COUNTY CORN DATED 2/28/23	DD

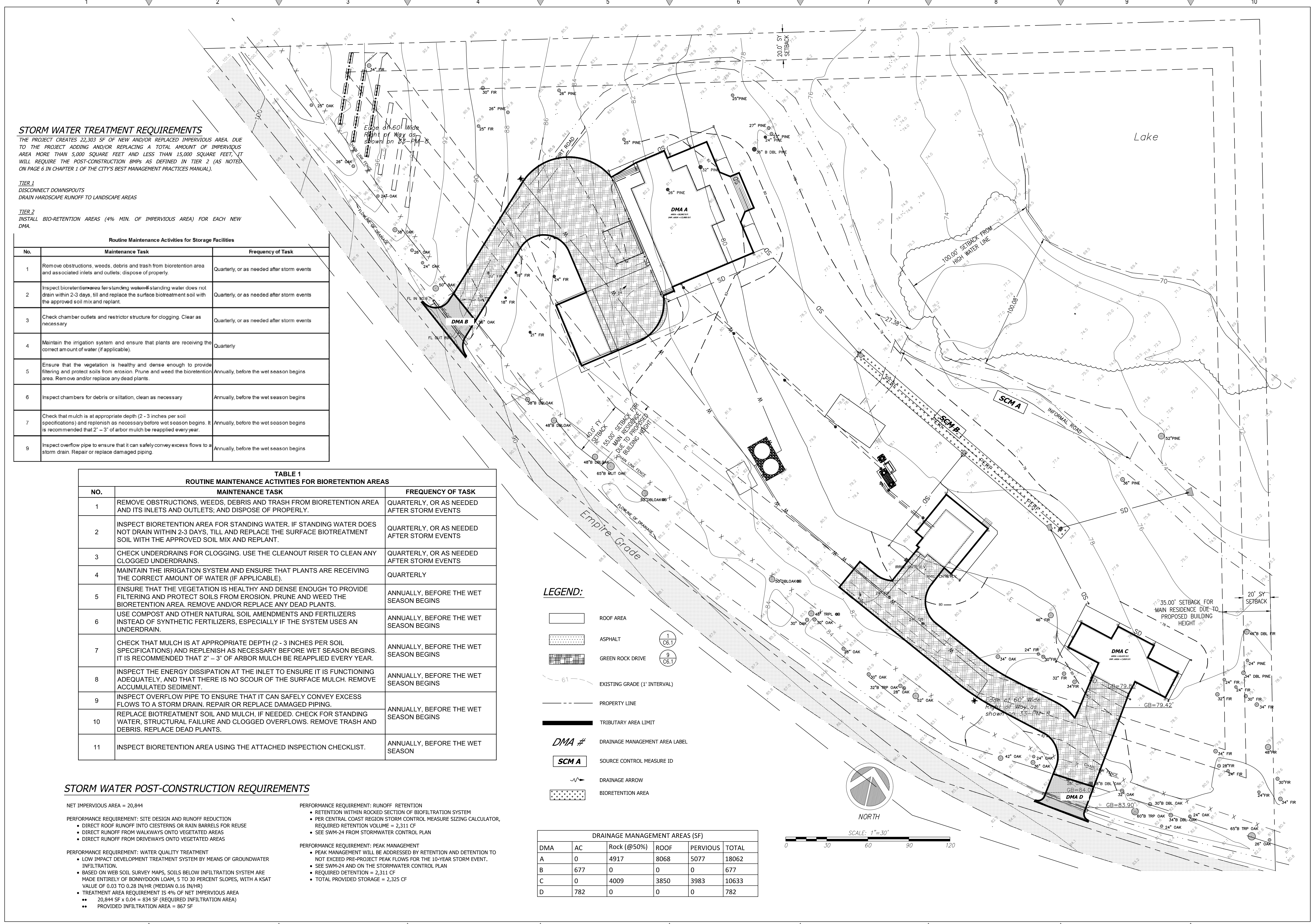
WATER STORAGE AND FIRE HYDRANT PLAN



C2G CIVIL CONSULTANTS GROUP, INC.
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10000 Santa Monica Blvd., Suite 6
Santa Monica, CA 90404
T (310) 438-4420 F (310) 438-4420

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EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date:	11/17/22
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Drawn:	JW
Job:	446-45
Sheet:	C3.1
Of 14 sheets	



STORM WATER TREATMENT REQUIREMENTS
THE PROJECT CREATES 22,301 SF OF NEW AND/OR IMPROVED IMPERVIOUS AREA DUE TO THE PROJECT ADDING AND/OR REPLACING A TOTAL AMOUNT OF IMPERVIOUS AREA MORE THAN 5,000 SQUARE FEET AND LESS THAN 15,000 SQUARE FEET. IT WILL REQUIRE THE POST-CONSTRUCTION BMPs AS DEFINED IN TIER 2 (AS NOTED ON PAGE 6 IN CHAPTER 1 OF THE CITY'S BEST MANAGEMENT PRACTICES MANUAL).

TIER 1
DISCONNECT DOWNSPOUTS
DRAIN HARDSCAPE RUNOFF TO LANDSCAPE AREAS

TIER 2
INSTALL BIO-RETENTION AREAS (4% MIN. OF IMPERVIOUS AREA) FOR EACH NEW DMA.

Routine Maintenance Activities for Storage Facilities		
No.	Maintenance Task	Frequency of Task
1	Remove obstructions, weeds, debris and trash from bioretention area and associated inlets and outlets; dispose of properly.	Quarterly, or as needed after storm events
2	Inspect bioretention area for standing water; if standing water does not drain within 2-3 days, till and replace the surface bioretention soil with the approved soil mix and replant.	Quarterly, or as needed after storm events
3	Check chamber outlets and restrictor structure for clogging; Clear as necessary.	Quarterly, or as needed after storm events
4	Maintain the irrigation system and ensure that plants are receiving the correct amount of water (if applicable).	Quarterly
5	Ensure that the vegetation is healthy and dense enough to provide filtering and protect soils from erosion. Prune and weed the bioretention area. Remove and/or replace any dead plants.	Annually, before the wet season begins
6	Inspect chambers for debris or siltation; clean as necessary.	Annually, before the wet season begins
7	Check that mulch is at appropriate depth (2 - 3 inches per soil specifications) and replenish as necessary before wet season begins. It is recommended that 2" - 3" of arbor mulch be reapplied every year.	Annually, before the wet season begins
9	Inspect overflow pipe to ensure that it can safely convey excess flows to a storm drain. Repair or replace damaged piping.	Annually, before the wet season begins

TABLE 1 ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS		
NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" - 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

STORM WATER POST-CONSTRUCTION REQUIREMENTS

NET IMPERVIOUS AREA = 20,844

- PERFORMANCE REQUIREMENT: SITE DESIGN AND RUNOFF REDUCTION
- DIRECT ROOF RUNOFF INTO CISTERNS OR RAIN BARRELS FOR REUSE
 - DIRECT RUNOFF FROM WALKWAYS ONTO VEGETATED AREAS
 - DIRECT RUNOFF FROM DRIVEWAYS ONTO VEGETATED AREAS

- PERFORMANCE REQUIREMENT: WATER QUALITY TREATMENT
- LOW IMPACT DEVELOPMENT TREATMENT SYSTEM BY MEANS OF GROUNDWATER INFILTRATION.
 - BASED ON WEB SOIL SURVEY MAPS, SOILS BELOW INFILTRATION SYSTEM ARE MADE ENTIRELY OF BONNYDOON LOAM, 5 TO 30 PERCENT SLOPES, WITH A KSAT VALUE OF 0.03 TO 0.20 IN/HR (MEDIAN 0.16 IN/HR).
 - TREATMENT AREA REQUIREMENT IS 4% OF NET IMPERVIOUS AREA
 - 20,844 SF x 0.04 = 834 SF (REQUIRED INFILTRATION AREA)
 - PROVIDED INFILTRATION AREA = 867 SF

- PERFORMANCE REQUIREMENT: RUNOFF RETENTION
- RETENTION WITHIN ROCKED SECTION OF INFILTRATION SYSTEM
 - PER CENTRAL COAST REGION STORM CONTROL MEASURE SIZING CALCULATOR, REQUIRED RETENTION VOLUME = 2,311 CF
 - SEE SOW-24 FROM STORMWATER CONTROL PLAN

- PERFORMANCE REQUIREMENT: PEAK MANAGEMENT
- PEAK MANAGEMENT WILL BE ADDRESSED BY RETENTION AND DETENTION TO NOT EXCEED PRE-PROJECT PEAK FLOWS FOR THE 10-YEAR STORM EVENT.
 - SEE SOW-24 AND ON THE STORMWATER CONTROL PLAN
 - REQUIRED DETENTION = 2,311 CF
 - TOTAL PROVIDED STORAGE = 2,325 CF

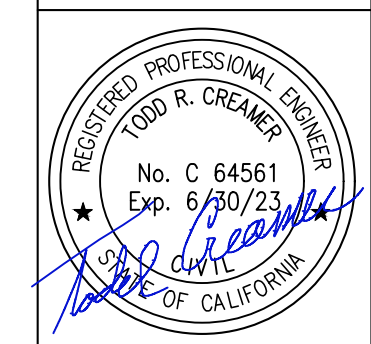
LEGEND:

- ROOF AREA
- ASPHALT
- GREEN ROCK DRIVE
- EXISTING GRADE (1' INTERVAL)
- PROPERTY LINE
- TRIBUTARY AREA LIMIT
- DMA #
- SCM A
- DRAINAGE ARROW
- BIORETENTION AREA

DRAINAGE MANAGEMENT AREAS (SF)				
DMA	AC	Rock (@50%)	ROOF	PERVIOUS
A	0	4917	8068	5077
B	677	0	0	0
C	0	4009	3850	3983
D	782	0	0	0

REVISIONS		BY
1	COUNTY CDRM DATED 1/21/22	LL
2	COUNTY CDRM DATED 2/28/23	DD

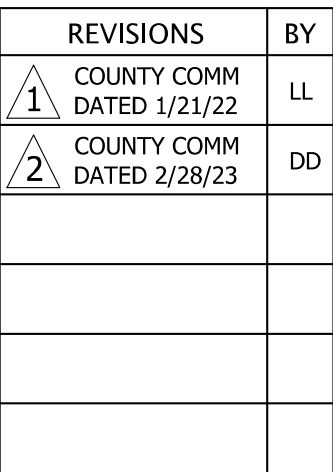
STORMWATER MANAGEMENT PLAN



C2G CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
10000 Wilshire Blvd., Suite 600
Beverly Hills, CA 90210
T (310) 438-4420 F (310) 438-4420

MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date: 11/17/22
Scale: 1" = 30'
Drawn: JW
Job: 446-45
Sheet: **C4.1**
Of 14 sheets



EROSION CONTROL PLAN



C2G C2G / CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Suite 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-4420

MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date:	11/17/22
Scale:	1"=50'
Drawn:	JW
Job:	446-45
Sheet:	C5.1
Of	14 Sheets

MARIANI GARAGE PLAN

EMPIRE GRADE SANTA CRUZ, CALIFORNIA

APN: 080-021-22

**NORTH
VICINITY MAP
NOT TO SCALE**

SCALE: 1"=50'

GENERAL NOTES

- NO CHANGE TO THE PLANS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE OWNER OR OWNERS REPRESENTATIVES.
- CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS AND INVERTS OF EXISTING UTILITY PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY OWNER OR OWNERS REPRESENTATIVES OF VARIANCE FROM THOSE SHOWN ON THE PLANS.
- UNDERGROUND FACILITIES AND UTILITIES HAVE BEEN SHOWN BASED ON RECORD DRAWINGS AND VISIBLE EVIDENCE FOUND IN FIELD. NO WARRANTY IS MADE REGARDING THE COMPLETENESS OR ACCURACY OF SUCH INFORMATION. PRIOR TO CONSTRUCTION, DETERMINE THE EXACT LOCATION OF UNDERGROUND FACILITIES AND UTILITIES, AND PRESERVE SAME FROM DAMAGE. PRIOR TO CONSTRUCTION, VERIFY LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AT THE CROSSING POINTS WITH PROPOSED UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNERS REPRESENTATIVES IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITION HAS BEEN EVALUATED. CONTACT UNDERGROUND SERVICES ALERT (USA) (CALL 811) TWO (2) WEEKS PRIOR TO DIGGING. REPAIR UNDERGROUND UTILITIES DAMAGED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES ASSOCIATED WITH CONTRACTORS FAILURE TO EXACTLY LOCATED AND PRESERVE UNDERGROUND FACILITIES AND UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES TO VERIFY THE EXISTENCE AND/OR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. AND SHALL NOTIFY U.S.A. @ 811 OR (800) 227-2600 AT LEAST 48-HOURS IN ADVANCE OF EXCAVATION.
- IF ANY INDICATIONS OF ARCHEOLOGICAL REMAINS ARE ENCOUNTERED DURING GRADING ACTIVITIES FOR ANY DEVELOPMENT WITHIN THE PROJECT SITE, ALL WORK SHALL BE HALTED WITHIN 200 FOOT RADIUS OF THE FIND. OWNERS SHALL RETAIN A QUALIFIED ARCHEOLOGIST RETAINED TO DETERMINE THE NATURE OF THE DISCOVERY AND RECOMMEND APPROPRIATE EVALUATION PROCEDURES.
- CONTRACTOR SHALL BE FAMILIAR WITH, KEEP AND MAINTAIN A COPY OF THE MITIGATION MONITORING AND REPORTING PROGRAM (MMRP) ON-SITE, IN THE JOB TRAILER AT ALL TIMES.

JOB COPY NOTE

- THE JOB COPIES OF THE BUILDINGS AND FIRE SYSTEMS PLANS AND PERMITS MUST BE ON-SITE DURING INSPECTIONS."

GEOTECHNICAL ENGINEER:
EARTH INVESTIGATIONS CONSULTANTS
P.O. BOX 755
PACIFICA, CA 94044
OFFICE: (650) 557-0262

SEPTIC ENGINEER
BIOSPHERE CONSULTING, INC.
1315 KING STREET
SANTA CRUZ, CA 95060
OFFICE: (831) 430-9116

CIVIL ENGINEER:
CSC/CIVIL CONSULTANTS GROUP, INC.
4444 SCOTT'S VALLEY DRIVE STE. B
SCOTT'S VALLEY, CA 95066
OFFICE: (831) 438-4420

OWNER
DAVID MARIANI
575 GABRIAN ST
LOS ALTOS, CA
(831) 236-6699

SURVEYOR:
EDMUNDSON & ASSOCIATES LAND SURVEYING
1512 SEABRIGHT AVENUE
SANTA CRUZ, CA 95062
OFFICE (831) 425-7796

ARCHITECT:
KALISPELL MONTANA LOG HOMES
3250 U.S. HWY 93 S.
KALISPELL, MT 59901
OFFICE (406) 752-9292

BIOLOGIST
JOSH MCGRAH CONSULTING
PO BOX 221
FREDRICK, CA 95019
OFFICE: (831) 768-6988

CONTRACTOR RESPONSIBILITY

CONTRACTOR AGREES THAT HE SHOULD ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT AND THAT REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED DURING WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE DESIGN PROFESSIONALS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE DESIGN PROFESSIONAL FOR ADJUSTMENT BEFORE PROCESSING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

UTILITY NOTE:

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS. CALL USA AT 811 OR (800) 227-2600. CONTRACTOR TO NOTIFY ENGINEER IF ANY APPARENT CONFLICTS FOR RESOLUTION PRIOR TO START OF CONSTRUCTION.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THE PLANS.

AS-BUILT NOTE

AN AS-BUILT PLAN SHALL BE PREPARED BY THE CONTRACTOR AND CERTIFIED BY THE PROJECT ENGINEER THAT ALL WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

INDEX

- C0.1 - COVER SHEET
- C0.2 - OVERALL ARCHITECTURAL SITE PLAN
- C0.2 - ENLARGED ARCHITECTURAL PLAN
- C0.3 - ENLARGED GARAGE ARCHITECTURAL PLAN
- C1.1 - EXISTING CONDITIONS AND DEMO PLAN
- C2.1 - NORTH GRADING AND DRAINAGE PLAN
- C2.2 - SOUTH GRADING AND DRAINAGE PLAN
- C2.3 - ROOF HEIGHT ANALYSIS
- C3.1 - WATER STORAGE AND FIRE HYDRANT PLAN
- C4.1 - STORMWATER MANAGEMENT PLAN
- C5.1 - EROSION CONTROL PLAN
- C6.1 - DETAILS
- C7.1 - ENVIRONMENTAL IMPACT MAP

ABBREVIATIONS

AB	AGGREGATE BASE	INV	INVERT
AC	ASPHALT CONCRETE	LP	LOW POINT
BFC	BOTTOM FACE OF CURB	ME	MATCH EXISTING
BFP	BACK FLOW PREVENTER	MB	MINIMUM
BFS	BOTTOM FACE OF STEP	NAP	NOT A PART
C	BOTTOM FACE OF WALL	NG	NATURAL GROUND
CB	CATCH BASIN	PL	PROPERTY LINE
CL	CENTELINE	PSE	PUBLIC SERVICE EASEMENT
CONC	CONCRETE	R/W	RIGHT OF WAY
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	STD	STANDARD
DH	DROP INLET/OUTLET INLET	TBC	TOP BACK OF CURB
DIP	DUCTILE IRON PIPE	TBW	TOP BACK OF WALL
DWP	DRAINWAY	TC	TOP OF CURB
EC	EDGE OF CONCRETE	TW	TOP OF WALL
EP	EDGE OF PAVEMENT	TYP	TYPICAL
EG	EXISTING GRADE	WV	WATER VALVE
(E)	EXISTING		
FF	FINISH FLOOR		
FG	FINISH GRADE		
FL	FLOW LINE		
G	GROUND		
GB	GRADE BREAK		
GF	GARAGE FINISH FLOOR @ GARAGE DOOR		
HP	HIGH POINT		

EARTHWORK QUANTITIES

NOTE: THE EARTHWORK QUANTITIES SHOWN HEREON ARE EXCLUSIVE OF WALL FOOTINGS, EXISTING PAVEMENT REMOVAL AND OVER EXCAVATION AND RECONSTRUCTION, UTILITY TRENDS, SPILLS & SOIL EXPANSION AND CONTRACTION FACTORS.

ITEM	DESCRIPTION	CUT (cu yds)	FILL (cu yds)
1	EG VS. FG	289	842
2	MAIN HOUSE FOUNDATIONS	95	0
3	MAIN HOUSE DRIVEWAY	703	10
4	MAIN HOUSE GARAGE	110	0

**NET VOLUME =
346 CU.YDS. OF CUT**

THE ABOVE QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE NECESSARY CUT AND FILL TO ACCOMPLISH FINISH GRADE SHOWN ON THESE PLANS.

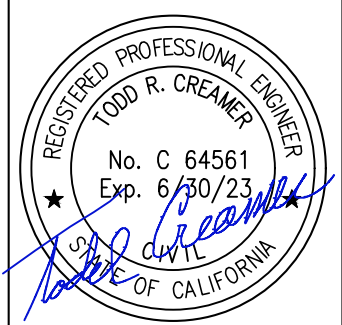
TOTAL PROJECT IMPERVIOUS AREAS			
	ACTUAL AREA	EFFECTIVE AREA	
NEW AC	1,245 SF	1,245	SF
GREEN DRIVE	17,822 SF	8,911	SF
MAIN RESIDENCE	4,663 SF	4,663	SF
RESIDENCE DECK	2,696 SF	1,348	SF
GARAGE	1,152 SF	1,152	SF
SOLAR PANELS	800 SF	800	SF
GUEST HOUSE / BARN	3,108 SF	3,108	SF
PROJECT TOTAL	31,486 SF	21,227	SF

NOT PART OF THIS PERMIT

NOT PART OF THIS PERMIT

REVISIONS		BY
1	COUNTY COMM DATED 1/21/22	LL
2	COUNTY COMM DATED 2/28/23	DD

COVER



C2G C2G / CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Suite 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-4420

MARIANI GARAGE PLAN
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22

Date:	11/17/22
Scale:	1" = 50'
Drawn:	JW
Job:	446-45
Sheet:	C0.1
	Of 14 Sheets

WINDOW SCHEDULE				
ID.	QTY.	ELEVATION	R.O. WIDTH	R.O. HEIGHT
W-01	6		5'-0 3/4"	2'-6 3/4"

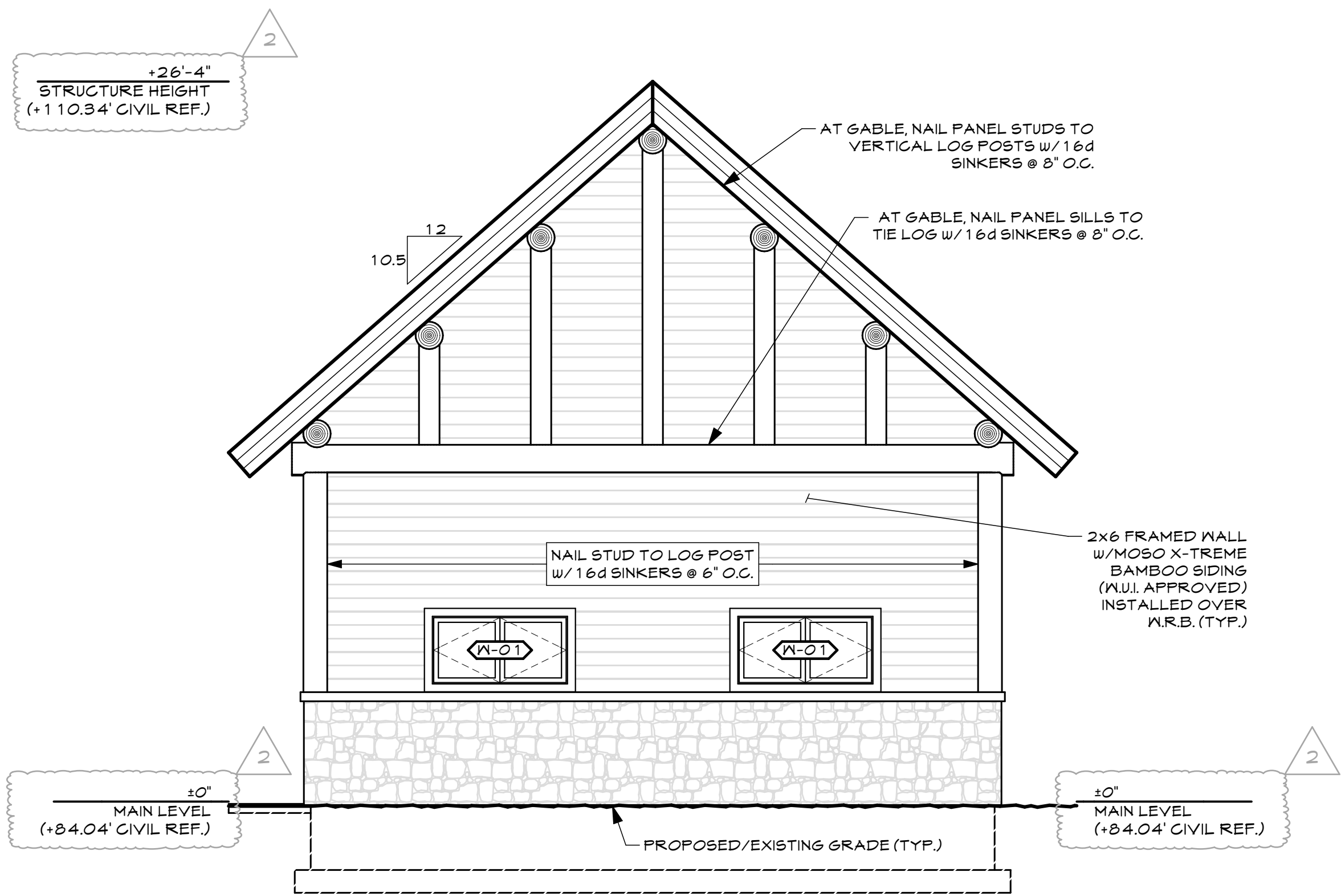
NOTE: WINDOW SIZES SHOWN ABOVE ARE APPROXIMATE. ACTUAL SIZES AND SPINGS ARE TO BE DETERMINED BY HOMEOWNER AND/OR GENERAL CONTRACTOR.
NOTE: ALL WINDOW GLAZING MUST BE FULLY TEMPERED.

ALL INSTALLED GUTTERS SHALL HAVE SCREENS TO PREVENT DEBRIS FROM ENTERING. THE SCREENS SHALL CONFORM TO THE MUI CODE REQUIREMENTS.

WILDLAND URBAN INTERFACE NOTE

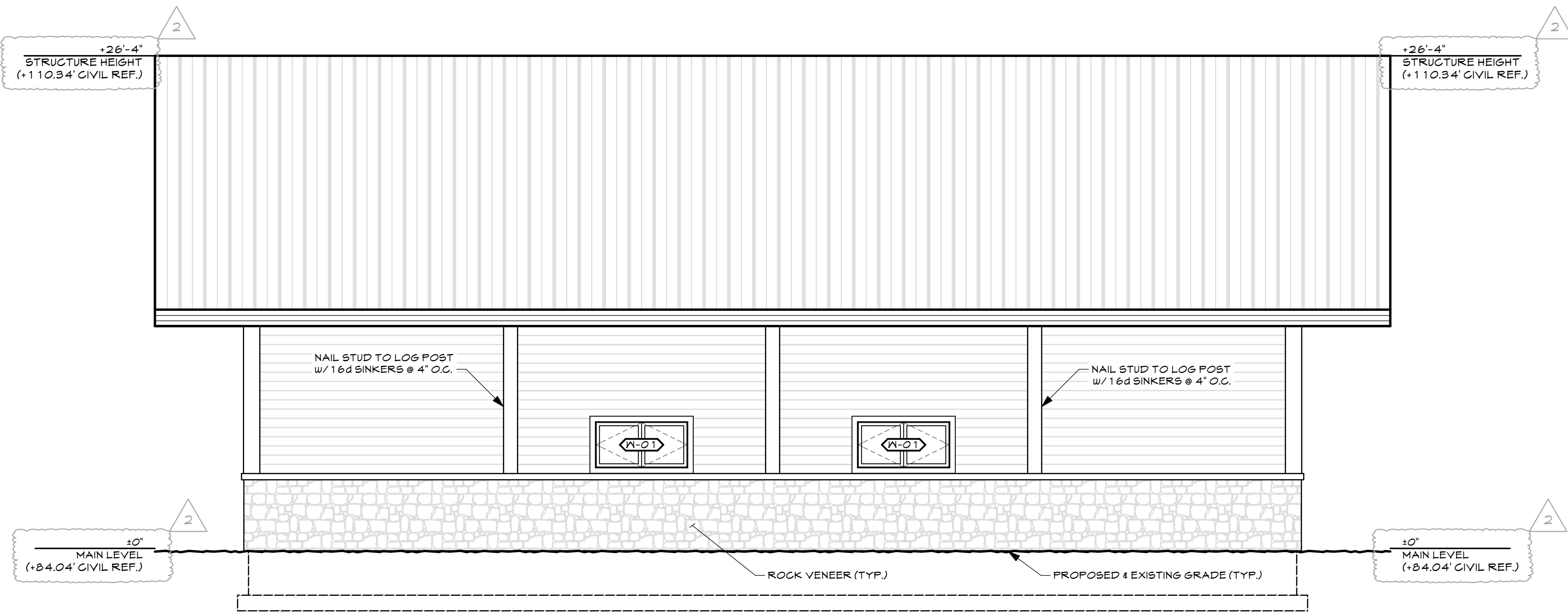
EXTERIOR DOOR SCHEDULE				
ID.	QTY.	ELEVATION	R.O. WIDTH	R.O. HEIGHT
D-01	1		3'-0 3/4"	6'-10"
D-02	1		6'-0 3/4"	6'-8"
D-03	3		10'-0"	9'-0"

NOTE: DOOR SIZES SHOWN ABOVE ARE APPROXIMATE. ACTUAL SIZES AND SPINGS ARE TO BE DETERMINED BY HOMEOWNER AND/OR GENERAL CONTRACTOR.



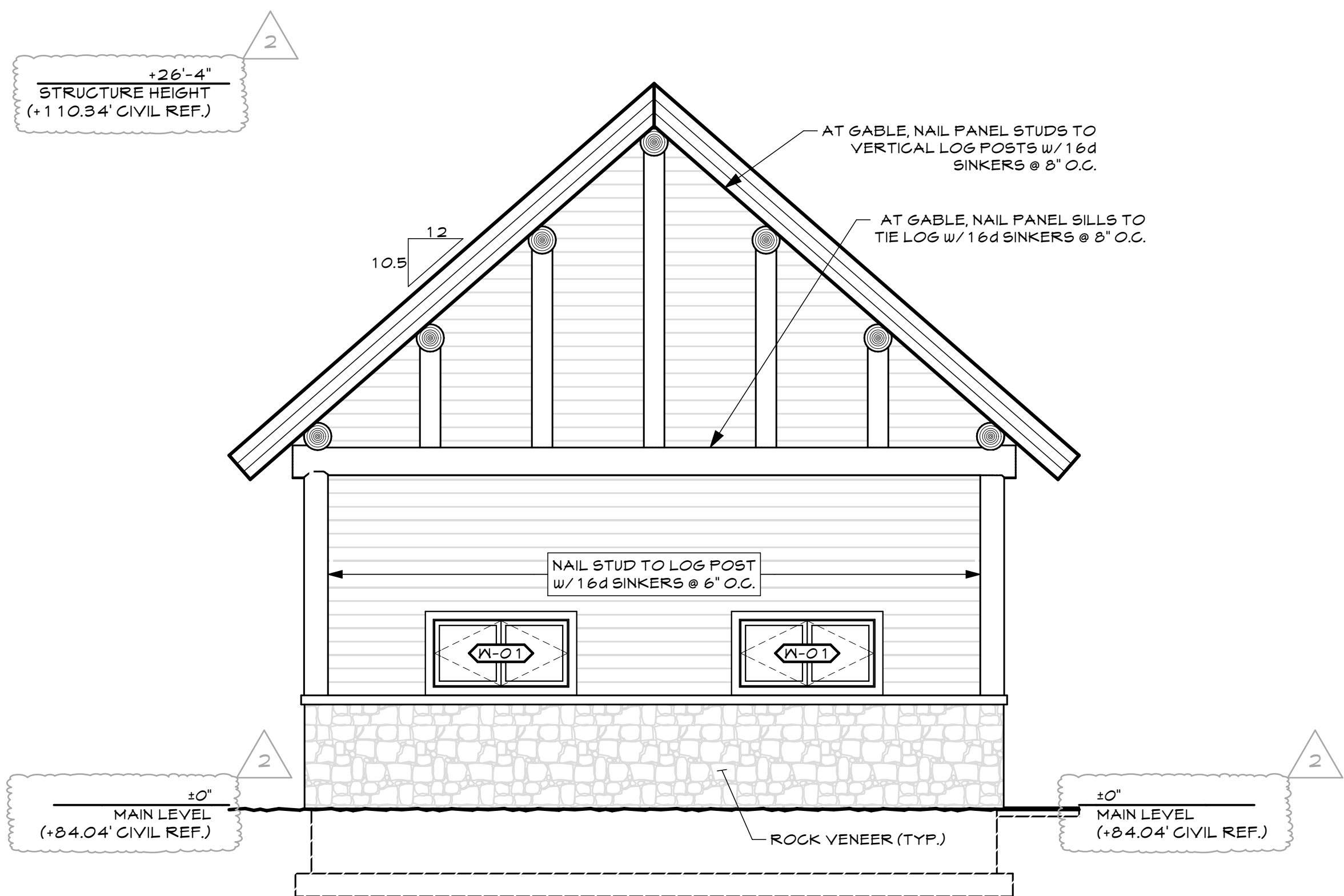
WEST ELEVATION

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



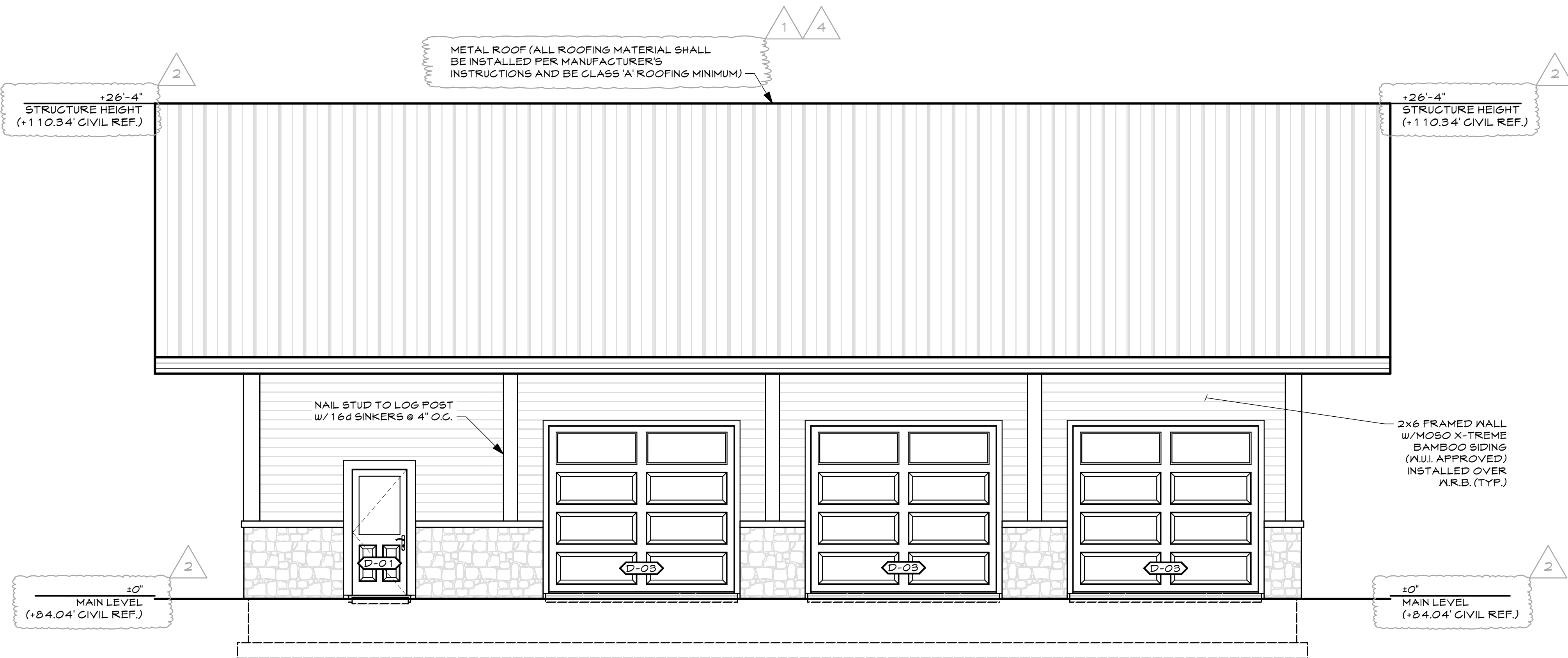
SOUTH ELEVATION

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



EAST ELEVATION

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



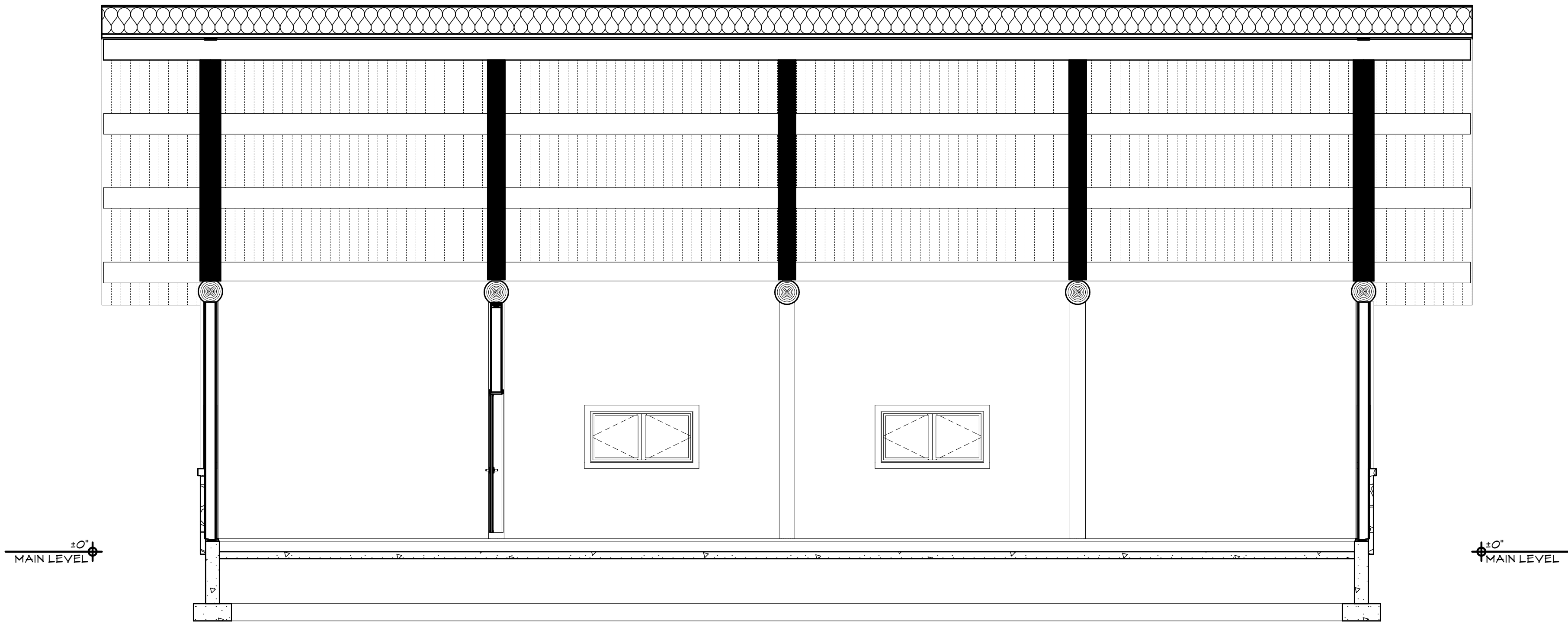
NORTH ELEVATION

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

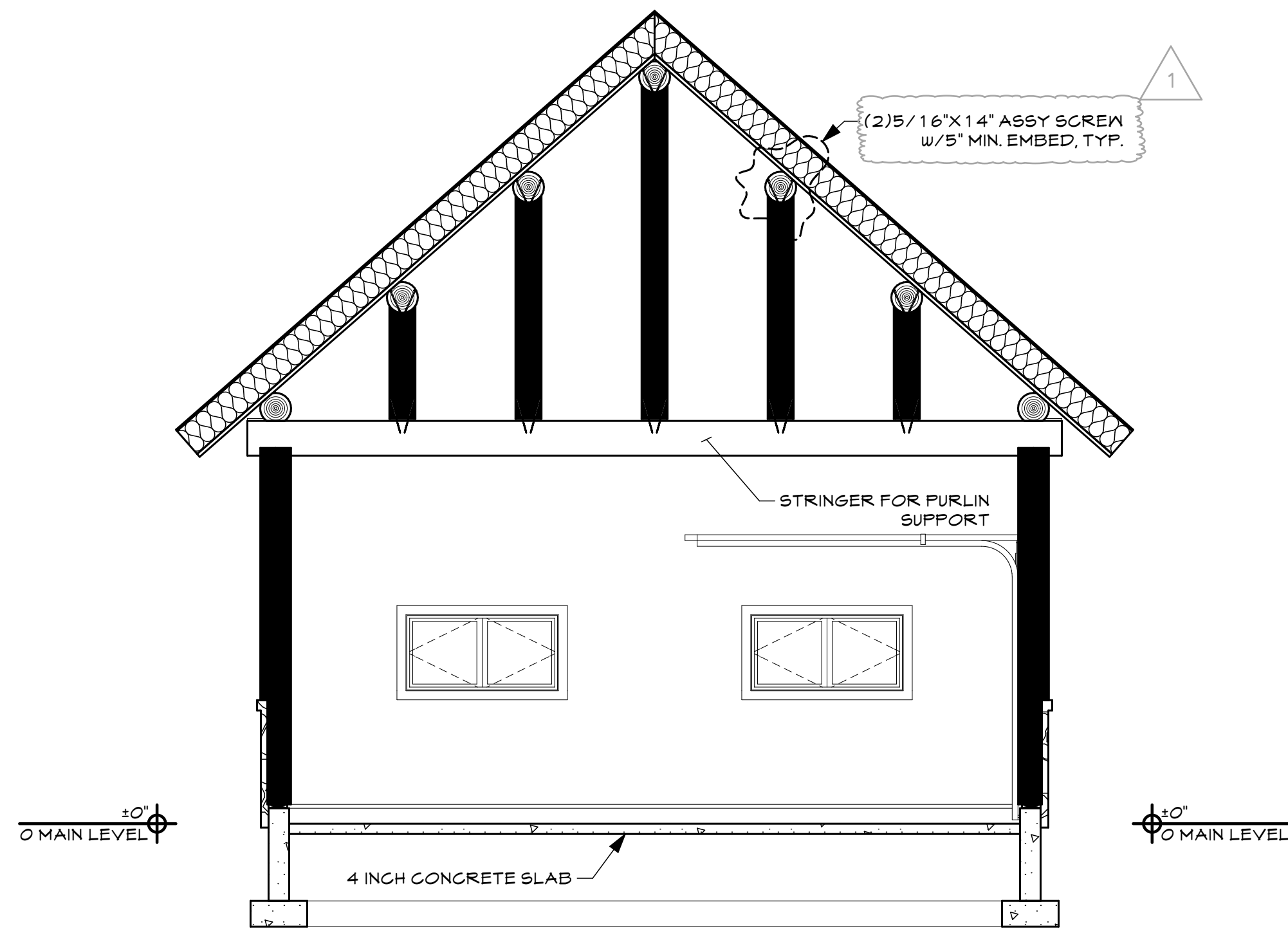
IRC FASTENING SCHEDULE		
BUILDING ELEMENT	NUMBER & TYPE OF FASTENER ^{ABC}	SPACING & LOCATION
ROOF		
BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE	4-8d BOX, or 3-8d COMMON, or 3-10d BOX, or 3-3"x0.131" NAILS	TOE NAIL
CEILING JOISTS TO TOP PLATE	4-8d BOX, or 3-8d COMMON, or 3-10d BOX, or 3-3"x0.131" NAILS	PER JOIST, TOE NAIL
CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPs OVER PARTITIONS	4-10d BOX, or 3-16d COMMON, or 4-3"x0.131" NAILS	FACE NAIL
CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT)	IRC TABLE R602.5.1(4)	FACE NAIL
COLLAR TIE TO RAFTER, FACE NAIL OR 1X2X20 GA. RIDGE STRAP TO RAFTER	4-10d BOX, or 3-10d COMMON, or 4-3"x0.131" NAILS	FACE NAIL EA. RAFTER
RAFTER OR ROOF TRUSS TO PLATE	3-16d BOX, or 3-10d COMMON, or 4-10d BOX, or 4-3"x0.131" NAILS	2 TOE NAILS ON ONE SIDE & 1 TOE NAIL ON OPPOSITE SIDE OF EA. RAFTER OR TRUSS
ROOF RAFTERS TO RIDGE, VALLEY OR HP RAFTERS OR ROOF RAFTER TO MIN. 2" RIDGE BEAM	4-16d BOX, or 3-10d COMMON, or 4-10d BOX, or 4-3"x0.131" NAILS	TOE NAIL
	3-16d BOX, or 2-16d COMMON, or 3-10d BOX, or 3-3"x0.131" NAILS	END NAIL
WALL		
STUD TO STUD (NOT @ BRACED WALL PANELS)	16d COMMON	24" O.C. FACE NAIL
	10d BOX, or 3"x0.131" NAILS	16" O.C. FACE NAIL
STUD TO STUD & ABUTTING STUDS @ INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d BOX, or 3"x0.131" NAILS	12" O.C. FACE NAIL
	16d COMMON	16" O.C. FACE NAIL
BUILT-UP HEADER (2" TO 2" HEADER w/ 1/2" SPACER)	16d COMMON	16" O.C. EA. EDGE FACE NAIL
	16d BOX	12" O.C. EA. EDGE FACE NAIL
CONTINUOUS HEADER TO STUD	3-8d BOX, or 4-8d COMMON, or 4-10d BOX	TOE NAIL
	16d COMMON	16" O.C. FACE NAIL
TOP PLATE TO TOP PLATE	10d BOX, or 3"x0.131" NAILS	12" O.C. FACE NAIL
	8-16d COMMON, or 12-16d BOX, or 12-3"x0.131" NAILS	FACE NAIL ON EA. SIDE OF END JOINT (MIN. 24" LAP SPLICE LENGTH EA. SIDE OF END JOINT)
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT @ BRACED WALL PANELS)	16d COMMON	16" O.C. FACE NAIL
BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (AT BRACED WALL PANELS)	3-16d BOX, or 2-16d COMMON, or 4-3"x0.131" NAILS	3 EA. 16" O.C. FACE NAIL 2 EA. 16" O.C. FACE NAIL 4 EA. 16" O.C. FACE NAIL
	4-8d BOX, or 3-16d BOX, or 4-8d COMMON, or 4-10d BOX, or 4-3"x0.131" NAILS	TOE NAIL
TOP OR BOTTOM PLATE TO STUD	3-16d BOX, or 3-10d COMMON, or 3-3"x0.131" NAILS	END NAIL
	3-10d BOX, or 2-16d COMMON, or 3-3"x0.131" NAILS	FACE NAIL
TOP PLATES, LAPs @ CORNERS & INTERSECTIONS	3-8d BOX, or 2-8d COMMON, or 2-10d BOX, or 2 STAPLES, MIN. 1 1/2" CROWN, 16 GA., 18" LONG	FACE NAIL
1" DIAGONAL BRACE TO EACH STUD AND PLATE	3-8d BOX, or 2-8d COMMON, or 2-10d BOX, or 2 STAPLES, MIN. 1 1/2" CROWN, 16 GA., 18" LONG	FACE NAIL
1"x6" SHEATHING TO EACH BEARING WALL	3-8d BOX, or 2-8d COMMON, or 2-10d BOX, or 2 STAPLES, 1" CROWN, 16 GA., 18" LONG	FACE NAIL

1"x6" WIDER SHEATHING TO EACH BEARING WALL	3-8d BOX, or 3-8d COMMON, or 3-10d BOX, or 3 STAPLES, 1" CROWN, 16 GA., 18" LONG	FACE NAIL
FLOOR		
JOIST TO BILL, TOP PLATE OR GIRDER	4-8d BOX, or 3-8d COMMON, or 3-10d BOX, or 3-3"x0.131" NAILS	TOE NAIL
RIM JOIST, BAND JOIST OR BLOCKING TO BILL OR TOP PLATE (ROOF APPLICATIONS ALSO)	8d BOX	4" O.C. TOE NAIL
	8d COMMON, or 10d BOX, or 3"x0.131" NAILS	6" O.C. TOE NAIL
1"x6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX, or 2-8d COMMON, or 3-10d BOX, or 2 STAPLES, 1" CROWN, 16 GA., 18" LONG	FACE NAIL
	3-16d BOX, or 2-16d COMMON, or 3-10d BOX, or 3"x0.131" NAILS	BLIND & FACE NAIL
2" PLANKs (PLANK & BEAM - FLOOR & ROOF)	3-16d BOX, or 2-16d COMMON	@ EACH BEARING, FACE NAIL
BAND OR RIM JOIST TO JOIST	3-16d COMMON, or 4-10d BOX, or 4-3"x0.131" NAILS, or 4-3"x14 GA. STAPLES, 1 1/2" CROWN	END NAIL
BUILT-UP GIRDER AND BEAMS, 2-INCH LUMBER LAYERS	20d COMMON, or	NAIL EA. LAYER AS FOLLOWS: 32" O.C. @ TOP & BOTTOM & STAGGERED
	10d BOX, or 3"x0.131" NAILS	24" O.C. FACE NAIL @ TOP & BOTTOM STAGGERED ON OPPOSITE SIDES
	AND: 2-20d COMMON, or 3-10d BOX, or 3-3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EACH SPLICE
LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	4-16d BOX, or 3-16d COMMON, or 4-10d BOX, or 4-3"x0.131" NAILS	AT EACH JOIST OR RAFTER, FACE NAIL
BRIDGING TO JOIST	2-10d BOX	EACH END, TOE NAIL
BUILDING ELEMENT	NUMBER & TYPE OF FASTENER	EDGE ^{DE} INTERMEDIATE SUPPORTS ^{DE}
WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF & INTERIOR WALL SHEATHING TO FRAMING & PARTICLEBOARD WALL SHEATHING TO FRAMING (SEE IRC TABLE R602.5(3) FOR WOOD STRUCTURAL PANEL EXTERIOR WALL SHEATHING TO WALL FRAMING)		
3/8" - 1/2"	8d COMMON NAIL (SUBFLOOR, WALL) 8d COMMON NAIL (ROOF)	6" 12"
1 1/32" - 1"	8d COMMON NAIL	6" 12"
1 1/8" - 1 1/2"	10d COMMON NAIL, or 8d DEFORMED NAIL	6" 12"
OTHER WALL SHEATHING ¹		
1/2" STRUCTURAL CELLULOSE FIBERBOARD SHEATHING	1X" GALVANIZED ROOFING NAIL 1 1/4" HEAD @, OR 1" CROWN STAPLE 16 GA., 18" LONG	3" 6"
25/32" STRUCTURAL CELLULOSE FIBERBOARD SHEATHING	1X" GALVANIZED ROOFING NAIL 1 1/4" HEAD @, OR 1" CROWN STAPLE 16 GA., 18" LONG	3" 6"
1/2" GYPSUM SHEATHING ²	1X" GALVANIZED ROOFING NAIL, STAPLE GALVANIZED, 1 1/2" LONG, 1X" SCREWS, TYPE W OR S	7" 7"
5/8" GYPSUM SHEATHING ²	1X" GALVANIZED ROOFING NAIL, STAPLE GALVANIZED, 1 1/2" LONG, 1 1/2" SCREWS, TYPE W OR S	7" 7"
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING		
1/2" AND LESS	8d DEFORMED NAIL, or 8d COMMON NAIL	6" 12"
7/8" - 1"	8d COMMON NAIL, or 8d DEFORMED NAIL	6" 12"
1 1/8" - 1 1/2"	10d COMMON NAIL, or 8d DEFORMED NAIL	6" 12"

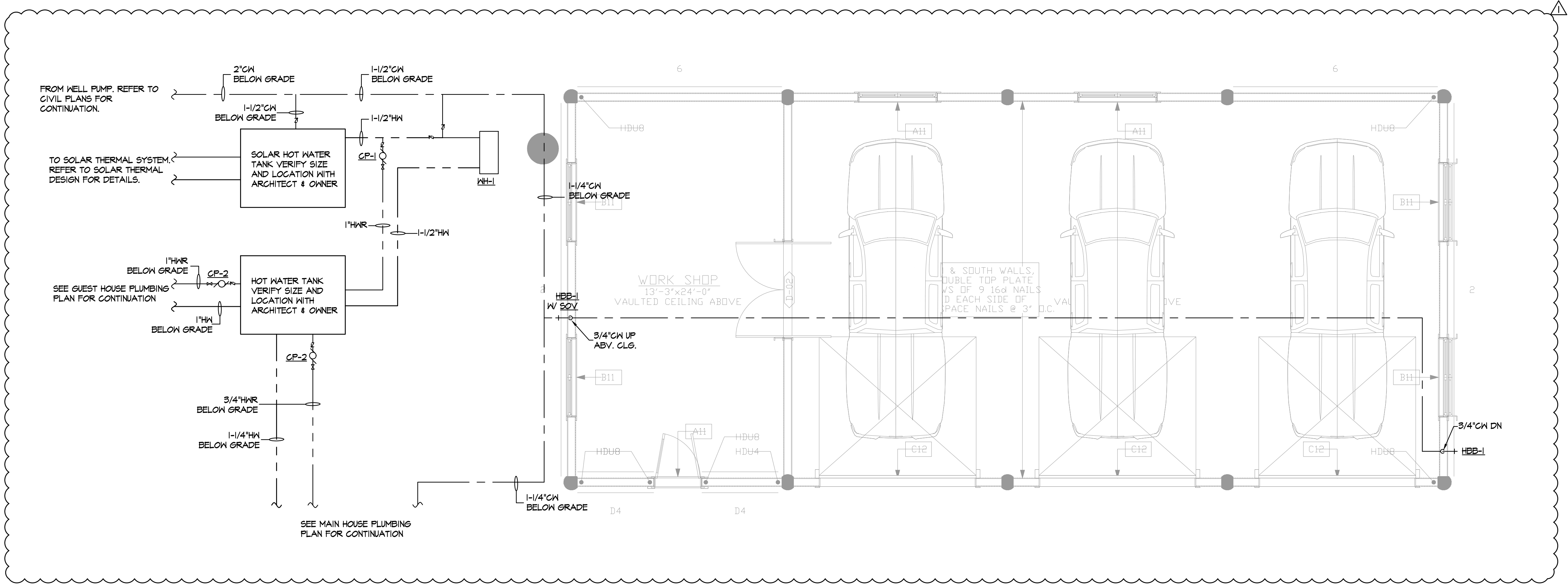
NOTES:
 A. NAILS ARE SMOOTH-COMMON BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING & SHEATHING CONNECTIONS SHALL HAVE MINIMUM AVERAGE BENDS: YIELD STRENGTHS AS SHOWN: 80 KSI FOR SHANK DIAMETER OF 0.142 INCH (20d COMMON NAIL), 90 KSI FOR SHANK DIAMETERS LARGER THAN 0.142 INCH BUT NOT LARGER THAN 0.171 INCH, AND 100 KSI FOR SHANK DIAMETERS OF 0.142 INCH OR LESS.
 B. STAPLES ARE 16 GA. WIRE & HAVE A MINIMUM 7 1/16" INCH ON DIAMETER CROWN WIDTH.
 C. NAILS SHALL BE SPACED AT NOT MORE THAN 6 INCHES ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.
 D. FOUR-FOOT BY 8-FOOT OR 4-FOOT BY 4-FOOT PANELS SHALL BE APPLIED VERTICALLY.
 E. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON IRC TABLE R602.5(2).
 F. WHERE THE ULTIMATE DESIGN WIND SPEED IS 130 MPH OR LESS, NAILS ATTACHING WOOD STRUCTURAL PANEL ROOF SHEATHING TO GABLE END WALL FRAMING SHALL BE SPACED 6 INCHES ON CENTER. WHERE THE ULTIMATE DESIGN WIND SPEED IS GREATER THAN 130 MPH, NAILS FOR ATTACHING PANEL ROOF SHEATHING TO INTERMEDIATE SUPPORTS SHALL BE SPACED 6 INCHES ON CENTER FOR MINIMUM 48-INCH DISTANCE FROM RIDGES, EAVES & GABLE WALL ENDS; AND 4 INCHES ON CENTER TO GABLE END WALL FRAMING.
 G. GYPSUM SHEATHING SHALL CONFORM TO ASTM C 1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 233. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C 208.
 H. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS & REQUIRED BLOCKING & AT FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS & REQUIRED BLOCKING. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS NEED NOT BE PROVIDED EXCEPT AS REQUIRED BY OTHER PROVISIONS OF THE IRC. FLOOR PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING.
 I. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE, PROVIDE 2 TOE NAILS ON ONE SIDE OF THE RAFTER & TOE NAILS FROM THE CEILING JOIST TO TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE. THE TOE NAIL ON THE OPPOSITE SIDE OF THE RAFTER SHALL NOT BE REQUIRED.



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



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



PLUMBING PLAN - GARAGE & HOT WATER SYSTEM - COLD/HOT WATER & GAS
SCALE: 1/4"=1'-0"

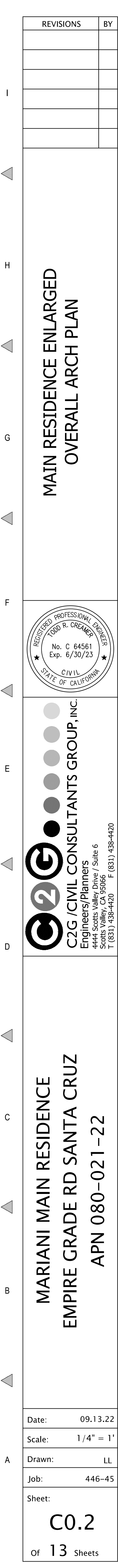
REVISIONS		
NO.	DATE	DESCRIPTION
1	08/02/21	1ST PLAN CHECK

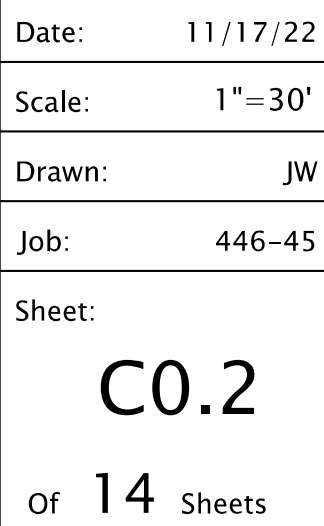


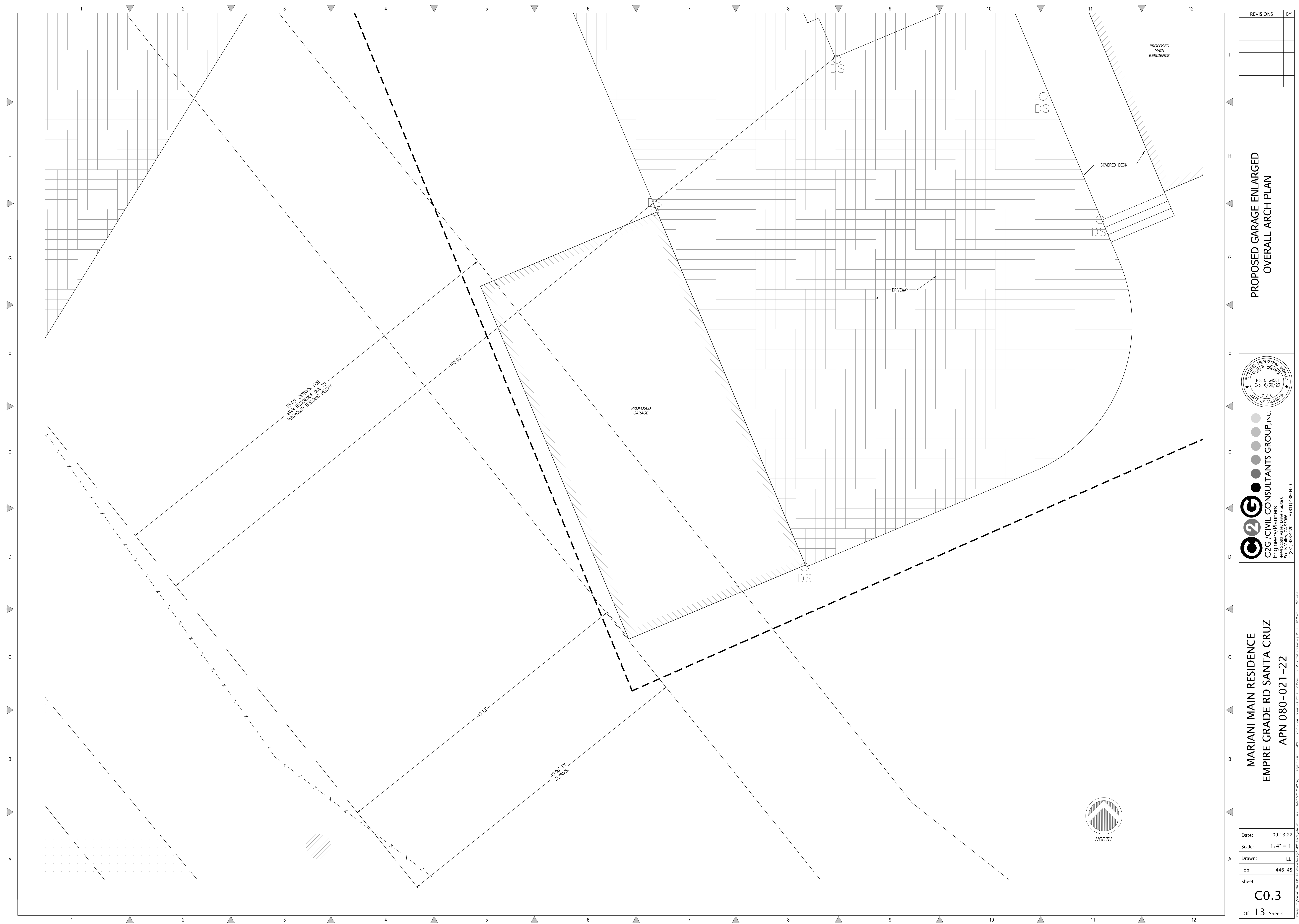
PROJECT NAME
MARIANI RESIDENCE
EMPIRE GRADE,
BONNY DOON, CA 95080

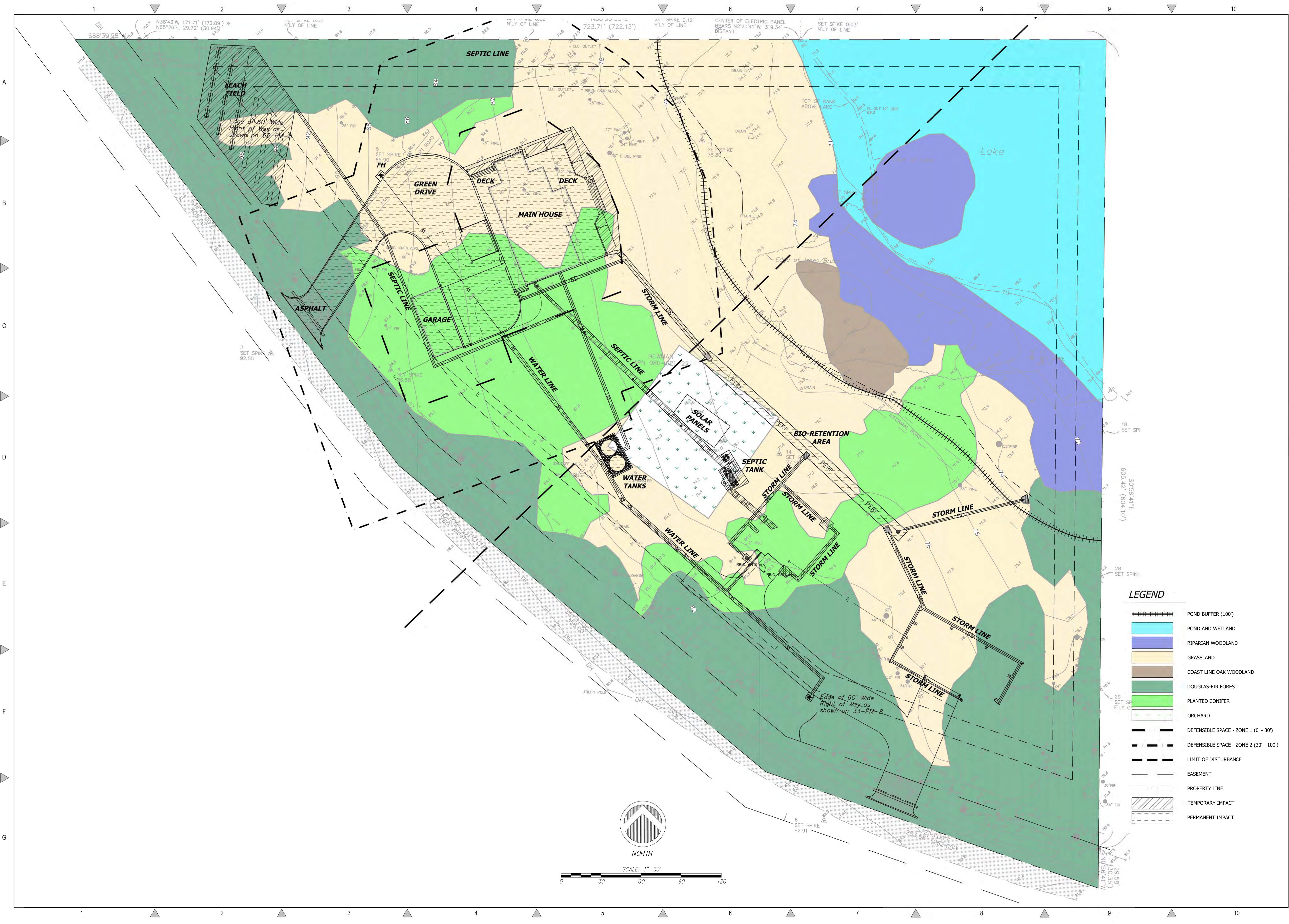
SHEET TITLE
PLUMBING PLAN
GARAGE & HOT WATER SYSTEM
COLD/HOT WATER

DRAWN	GMEP
CHECKED	GMEP
DATE	08/15/21
SCALE	AS NOTED
JOB NO.	20-279
SHEET	









REVISIONS		BY
1	COUNTY CORN DATED 1/21/22	LL
2	COUNTY CORN DATED 2/28/23	DD

**ENVIRONMENTAL
IMPACT MAP**

No. 64561
Exp. 9/30/23
State of California
R. C. Cramer
Professional Engineer

C2G CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
5000 Sycamore Way, Suite 6
San Jose, CA 95128
T (408) 438-4420 F (408) 438-4420

**MARIANI RESIDENCE
EMPIRE GRADE RD SANTA CRUZ
APN 080-021-22**

Date: 11/17/22
Scale: 1"=30'
Drawn: JW
Job: 446-45
Sheet: **C7.1**
Of 14 sheets

REV221176

080-021-22

Conditions of Approval

In order to conduct development activities on APN 080-021-22, the following conditions shall be adhered to. The Conditions of Approval below shall be incorporated into all phases of development for this project (221150) and shall also apply to all future development activities proposed on the property.

1. Prior to any site disturbance, a pre-construction meeting shall be conducted. The purpose of the meeting will be to ensure that the conditions set forth in the proposed project description and Conditions of Approval are communicated to the various parties responsible for constructing the project. The meeting shall involve all relevant parties including the project proponent, construction supervisor, Environmental Planning Staff, and the project biologist.
2. Recommended Protective Measures 1-12, starting on Page 12 in the attached Biotic Report dated December 3, 2022 prepared by Jodi McGraw Consulting, shall be adhered to.
3. Focused rare plant surveys (as outlined in Measure 1) shall be conducted during the evident and identifiable period for special-status species with potential to occur. The results shall be submitted with the building permit application for review by Environmental Planning Staff.
 - a. If protected rare plant species are found in the proposed project impact area, these species shall be avoided. Within 30 days prior to commencement of construction, the location and boundaries of any existing special-status plant species identified on the property shall be re-confirmed by a qualified biologist. High visibility construction fencing shall be installed around these plants as outlined in 6c below.
 - b. If protected rare plant species are found in the proposed project impact area and cannot be avoided during construction, additional impact analysis shall be completed and submitted for review by Environmental Planning Staff prior to issuance of the building permit. Additional biotic review and Conditions of Approval may apply.
4. If a special-status animal is identified at any time prior to or during construction, work shall cease immediately in the vicinity of the individual. The animal shall either be allowed to move out of harm's way on its own or a qualified biologist shall move the animal out of harm's way to a safe relocation site.
5. Every individual working on the Project must attend biological awareness training prior to working on the job site. The training shall be delivered by a qualified biologist and shall include information regarding the location and identification of sensitive habitats and all special-status species with potential to occur in the project area, the importance of avoiding impacts to special-status species and sensitive habitats, and the steps necessary if any special-status species is encountered at any time. See also Measure 2 of the attached report.
6. Prior to commencement of construction, high visibility fencing and/or flagging shall be installed with the assistance of a qualified biologist to indicate the limits of work and prevent inadvertent grading equipment staging, vehicular access, or other disturbance within the adjacent sensitive habitat areas.
 - a. Oak woodland habitat shall be protected at or outside of the dripline of overstory oaks as sensitive habitat and avoided during construction.
 - b. No work-related activity including equipment staging, vehicular access, grading and/or vegetation removal shall be allowed outside the designated limits of work.
 - c. Special-status plants located near or within the project impact area shall be identified, protected with high visibility fencing, and avoided during construction.
 - d. The fencing/flagging shall be inspected and maintained daily until project completion.

11560 Empire Grade - Biotic Review Conditions of Approval



CONSTRUCTION
DRAWINGS

CUSTOM Scribed LOG HOME PLANS FOR
David & Arlene Mariani
11560 Empire Grade Road (Parcel # - APN 08002122)
Bonny Doon, California
95060

Job Number 318
Plot Date 11/11/19
12/18/20
03/09/23

Released 03/09/23

Revisions
Delta 1: 08/26/2021
Delta 2: 04/26/2022
Delta 3: 09/16/2022
Delta 4: 12/12/2022
Delta 5: 03/09/2023

Set Date: 03/09/2023
Issue Date: 03/09/2023

Sheet
S-1A
Of 21 Sheets
CONDITIONS OF
APPROVAL

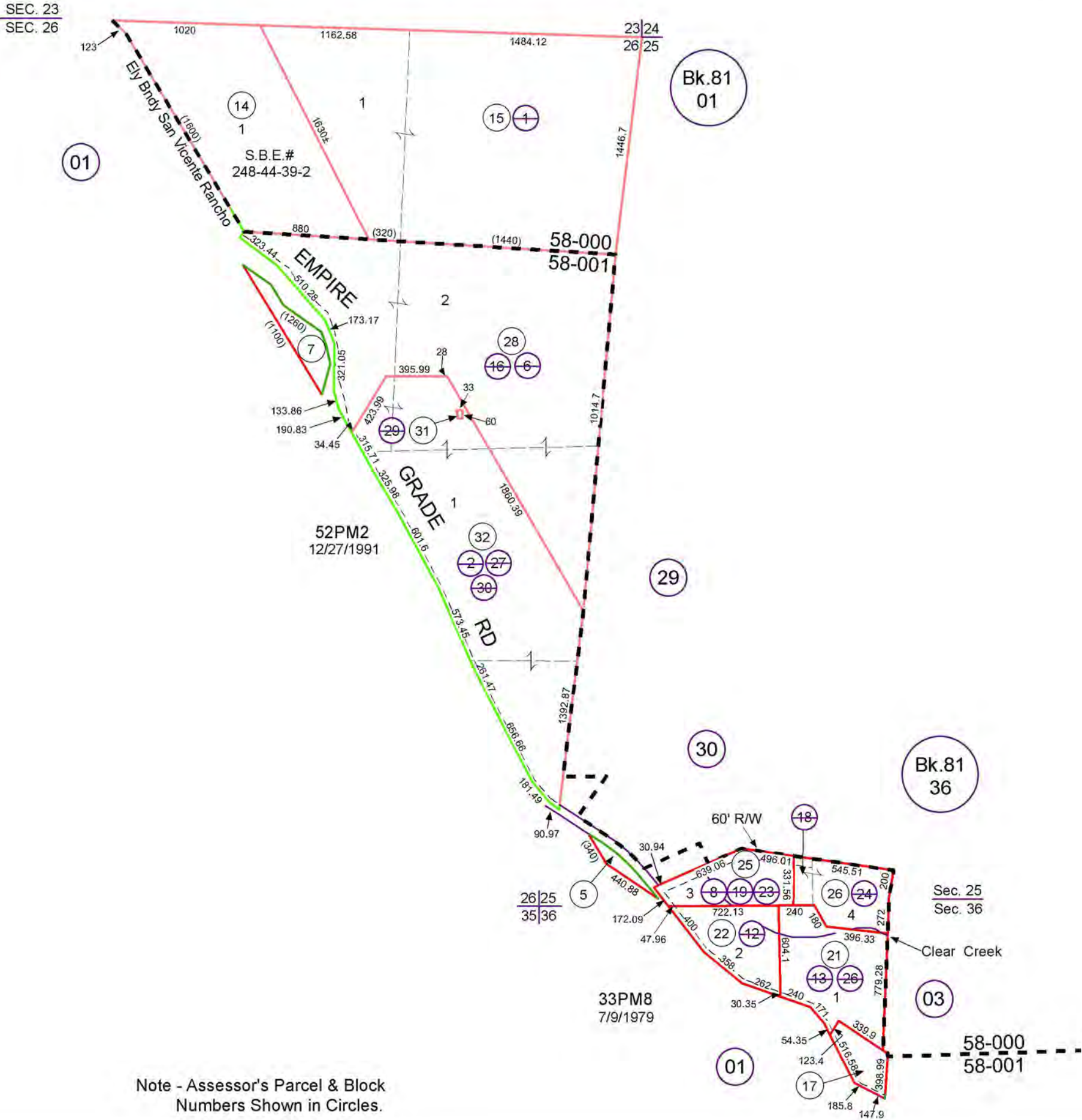
FOR TAX PURPOSES ONLY

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POR. SECS. 23, 24 & 25,
T.9S., R.3W., M.D.B. & M.

Tax Area Code
58-000 58-001

80-02



Note - Assessor's Parcel & Block
Numbers Shown in Circles.

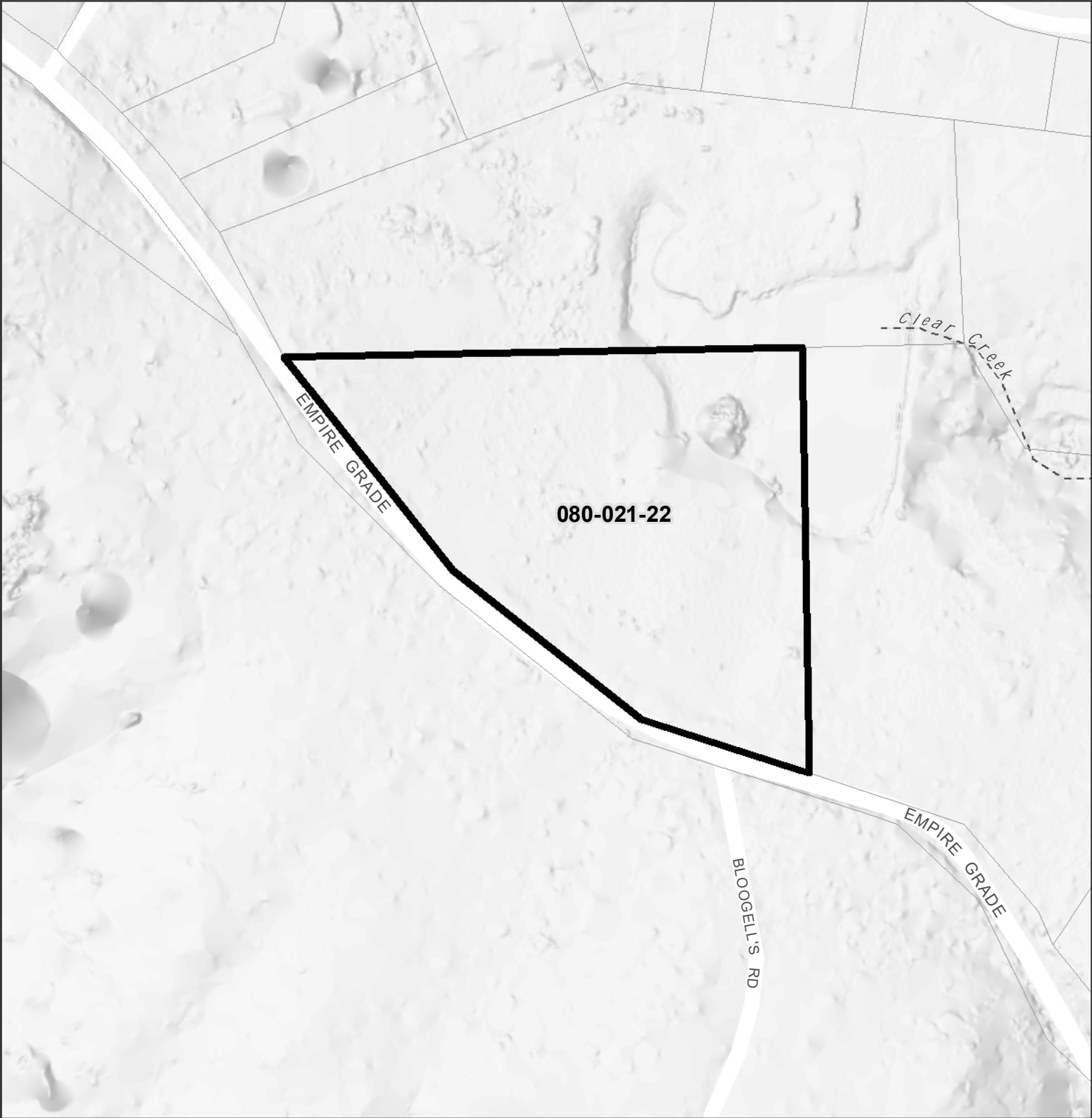
Assessor's Map No. 80-02
County of Santa Cruz, Calif.
Sept., 2000

EXHIBIT E

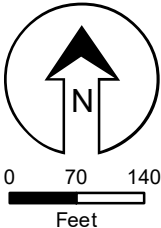
Electronically Redrawn 9/13/00 mvm
Rev 11/14/01 CB (Por of pg 80-01)
Rev 8/2/01 mvm (Changed Page Ref)
Rev 1/10/02 mvm (TCA)
Rev 7/15/15 CB (Cor dms as per 33PM8)
Rev 7/15/15 CB (14-0002673, Sp 1-29 & 30)
REV 11/29/17 CB (17-0022645, LBA 1-31 & 32)



SANTA CRUZ COUNTY PLANNING DEPARTMENT
Parcel Location Map



Parcel: 08002122
Study Parcel
Assessor Parcel Boundary

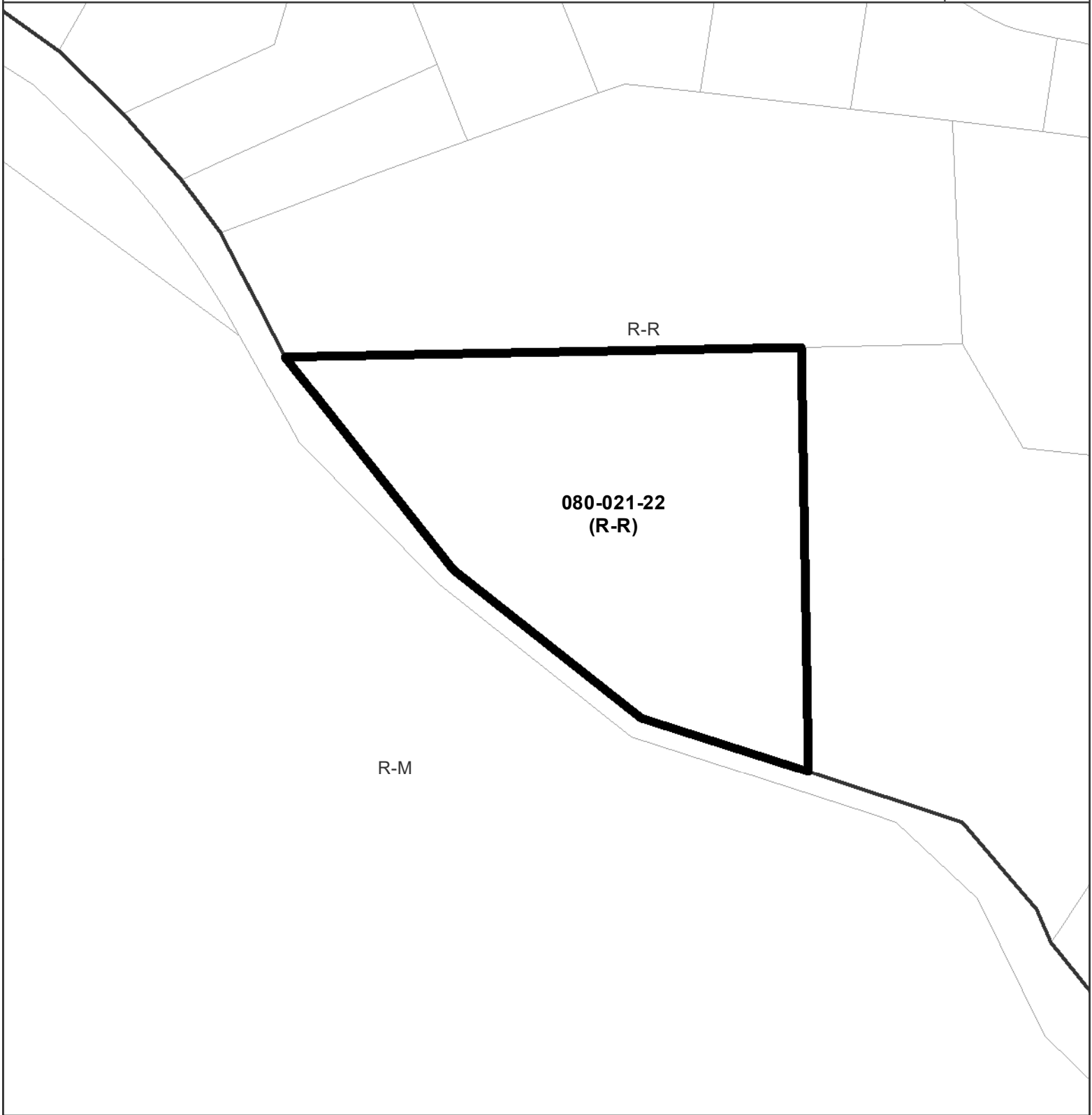




SANTA CRUZ COUNTY PLANNING DEPARTMENT
Parcel General Plan Map



Mapped
Area



- ☐ R-M *Residential Mountain*
- ☐ R-R *Residential Rural*

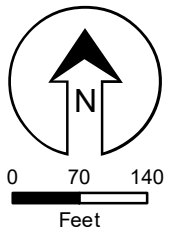





EXHIBIT E



Parcel Zoning Map



-  RA *Residential Agricultural*
-  RR *Residential Rural*
-  TP *Timber Production*

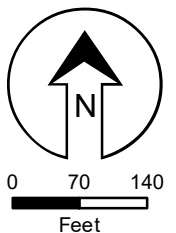


EXHIBIT E

Parcel Information

Services Information

Urban/Rural Services Line:	<input type="checkbox"/> Inside	<input checked="" type="checkbox"/> Outside
Water Supply:	Private Well	
Sewage Disposal:	Septic Maintained	
Fire District:	County Fire Protection District	
Drainage District:	Outside Flood Control District	

Parcel Information

Parcel Size:	7.01 Acres
Existing Land Use - Parcel:	Residential
Existing Land Use - Surrounding:	Residential
Project Access:	Empire Grade
Planning Area:	Bonny Doon
Land Use Designation:	R-R (Rural Residential)
Zone District:	RA (Residential Agricultural)
Coastal Zone:	<input type="checkbox"/> Inside <input checked="" type="checkbox"/> Outside
Appealable to Calif. Coastal Comm.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Technical Reviews

Biotic Report Review (REV221176), Archaeological Report Review (REV221151)

Environmental Information

Geologic Hazards:	Not mapped
Fire Hazard:	Not a mapped constraint
Slopes:	0% - 30%
Env. Sen. Habitat:	Mapped Biotic Resources/ REV221176
Grading:	346 Cubic Yards of Cut
Tree Removal:	Seven planted conifers/see REV221176
Scenic:	Not a mapped resource
Archeology:	No physical evidence on site/REV221151