CITY OF ANTIOCH CALIFORNIA

STAFF REPORT TO THE PLANNING COMMISSION

DATE: Regular Meeting of May 19, 2021

SUBMITTED BY: Zoe Merideth, Associate Planner ZM

APPROVED BY: Forrest Ebbs, Community Development Director HBB for FE

SUBJECT: Deer Valley Estates Project (PD-19-03, UP-19-12, AR-19-19)

RECOMMENDED ACTION

It is recommended that the Planning Commission take the following actions:

1. Adopt the resolution in Attachment A recommending certification of the Deer Valley Estates Project Environmental Impact Report, adopting findings of fact and statement of overriding considerations, and adopting the mitigation monitoring and reporting program.
2. Approve the resolution recommending that the City Council approve a Vesting Tentative Subdivision Map, Final Development Plan, Use Permit, and Design Review subject to conditions of approval (PD-19-03, UP-19-12, AR-19-19).

DISCUSSION

Project Overview/Requested Approvals

The applicant, Blue Mountain Communities, requests approval a Vesting Tentative Subdivision Map, Final Development Plan, Use Permit, and Design Review to subdivide two undeveloped parcels totaling 37.56 acres to construct 121 new single family homes with new infrastructure, parking, detention basin, lighting, landscaping, and a private park. The Project is located at 6100 Deer Valley Road (APNs 055-071-026 and 057-022-013).

The 37.56 acre project site is comprised of two contiguous parcels and is located in the southern portion of the City of Antioch. The site is located in the northeast corner of the intersection of Deer Valley Road and Wellness Way. The project site is situated within the Sand Creek Focus Area of the General Plan. The project site is rectangular, generally flat and currently vacant and generally consists of non-native annual grassland. There are a number of existing utility easements on the project site that generally run along the northern border and through the center of the project site. Specifically, a buried petroleum pipeline runs in a north-south direction through the approximate center of the site and continues west along the site's northern boundary within a 25-foot-wide easement. Additional easements on the project site include 10- to 16-foot-wide easements in this

area for pipelines and telephones lines, and a 25-foot storm drain easement along the eastern boundary. The project site is surrounded by existing and under construction residential uses, vacant land, and healthcare uses.

The proposed project involves the construction of 121 new single-family homes on the project site and associated open space, roadway, and utility improvements. The single-family residential units will range in size from approximately 2,252 square feet to approximately 3,445 square feet and will be located on individual lots that would be a minimum of 7,000 square feet. All the residential units will front onto internal streets within the project site, and none would front onto Deer Valley Road or Wellness Way. Each of the residential lots on the project site will include private backyards that would be an average of 2,240 square feet in size. The proposed project will include multiple common open space areas for project residents, including an approximately 1.12-acre private park, which will be in the center of the project site and will include a dog park and a playground. A trail will run through the northwest and center portions of the site and connect the proposed park to Deer Valley Road. Access to the proposed trail would be provided by a tubular steel fence with an access gate in the northwest corner of the project site. The applicant will also install a stormwater detention basin in the eastern portion of the site.

The project will have a homeowner's association (HOA). The HOA will be responsible for maintaining the stormwater detention basin, the private park, the trail parcels, and landscape parcels.

The applicant is requesting the following approvals:

1. *The Deer Valley Estates Project Environmental Impact Report.* The Planning Commission must recommend certification of the Environmental Impact Report and adoption of the findings of fact and statement of overriding considerations and mitigation monitoring and reporting program to City Council prior to acting on the other resolution for the project.

2. *Vesting Tentative Subdivision Map.* The proposed project requires approval of a Tentative Subdivision Map for the subdivision of the project site into multiple parcels to accommodate a total of 121 single-family residential units, as well as roadways, private park, and private open space parcels.

3. *Final Development Plan*. The project is in a previously approved Planned Development (PD) Zoning District, therefore, approval of a Final Development Plan is required.

4. *Use Permit*. The Zoning Ordinance requires that a use permit be approved prior to the construction of any phase of an approved PD district.

5. *Design Review*. Design review of the project's architecture, design and landscaping is required.

<u>Environmental</u>

An Environmental Impact Report (EIR) was prepared for this project in accordance with the California Environmental Quality Act (CEQA).

On February 26, 2008, an Initial Study/Mitigated Negative Declaration (2008 IS/MND) for the proposed Deer Valley Estates Master Development Plan Project was adopted by the Antioch City Council. The 2008 IS/MND evaluated the potential impacts associated with the development of 136 single-family residential units and an approximately 1.69-acre park on the project site.

Per *State CEQA Guideline*s Section 15152, "where an EIR [or negative declaration] has been prepared and certified [or adopted] for a program … consistent with the requirements of this section, any lead agency for a later project pursuant to or consistent with the program … should limit the EIR … on the later project to effects which: (1) were not examined as significant effects on the environment in the prior EIR; or (2) are susceptible to substantial reduction or avoidance by the choice of specific revisions in the project, by the imposition of conditions, or other means." The analysis provided in this EIR and Initial Study tiers from the 2008 IS/MND, as appropriate.

For the current project, an Environmental Impact Report (EIR) was prepared for this project in accordance with the California Environmental Quality Act (CEQA). A Notice of Preparation (NOP) for the Draft EIR was released for a 30-day review from December 16, 2020 to January 15, 2021. A Notice of Availability (NOA) of the Draft EIR was distributed and the Draft EIR was sent to the State Clearinghouse for distribution on January 29, 2021 for the 45-day public review period. The Draft EIR was published on the City's website at: at https://www.antiochca.gov/community-development-department/planning-divsion/environmetnal-documents/. Due to the State and Contra Costa County's Shelter-in-Place orders, publicly accessible locations to review the Draft EIR were closed. Consistent with the Governor's Executive Order, posting materials on the City's website is adequate. The City provided the opportunity for members of the public to review paper copies of the documents at City Hall by appointment.

A Final EIR, including response to comments, has also been prepared and is located on the City's website at the link above.

Findings of fact and statement of overriding considerations for the EIR and a Mitigation Monitoring and Reporting Program has been prepared and are included in the Resolution certifying the EIR (see Exhibit A to Attachment A).

Background

The project site is within the 2,700-acre Sand Creek Focus Area located in the southern portion of the City of Antioch, and as shown on the City's General Plan Land Use Map. The General Plan anticipates this Focus Area to evolve into a large-scale planned community that provides a mix of housing and commercial opportunities. Per the City's General Plan, the project site is designated as Low Density Residential. In 2005, the City Council adopted an Alternate Planning Process for the Sand Creek Focus Area. The process requires the submittal of a rezone to Planned Development, including submittal of a Master Development Plan.

As required by the Alternate Planning Process, a rezone to Planned Development and a Master Development Plan was submitted by a different applicant in 2007. The proposed project consisted of a development with up to 136 single-family residential units and an approximately 1.69-acre park on the project site. An Initial Study/Mitigated Negative Declaration (IS/MND) evaluated the impacts of the proposed development. On February 26, 2008, the City Council approved the IS/MND, adopted a Mitigation Monitoring and Reporting Program, approved a rezone from Study Zone (S) to the project's current Planned Development District (PD), and approved the Master Development Plan. The P-D zoning and associated standards, including lot size and setbacks, allow implementation of the previously approved Master Development Plan, which is a previous iteration of the currently proposed project. The project's PD zoning district does not expire. Attachment E to this staff report includes the Master Development Plan staff report and minutes. Attachment F includes the Planned Development ordinance. The proposed Vesting Tentative Map, Final Development Plan, and project architecture and landscaping is the

next and final stage of the entitlement process to allow development of residential uses on the site.

ANALYSIS

General Plan, Zoning, and Land Use

As discussed above, the General Plan designation is Sand Creek Focus Area – Low Density Residential. The Low Density Residential designation allows single family residential uses and densities up to 4 dwelling units an acre. The proposed project has a density of 3.2 dwelling units an acre. The zoning of the site is Planned Development, which was established in 2008. The currently proposed project adheres to the development standards of the Planned Development.

The surrounding land uses and zoning designations are noted below:

North:	Existing residential development / Planned Development (PD)
South:	Wellness Way and Kaiser Medical Center / Planned Development (PD)
East:	Aviano Farms residential development, currently under construction / Planned Development (PD)
West:	Deer Valley Road and the approved The Ranch development / Planned Development (PD)

After the project was deemed complete, the voters of the City of Antioch enacted Measure T which amended the General Plan to limit the number of units within the Sand Creek Focus Area to a maximum of 2,100 residential units. The State Department of Housing and Community Development (HCD) reviewed the enforceability of Measure T's reduction in land use intensity pursuant to the Housing Crisis Act of 2019. HCD determined that the reduction in development intensity, and the corresponding reduction in the maximum number of residential units, established in Measure T is impermissible and unenforceable under Government Code section 66300. Therefore, this project is not impacted by Measure T due to the project being deemed complete prior to the voters enacting Measure T and HCD finding Measure T to be impermissible and unenforceable.

Site Plan and Circulation

Access to the project site will be provided at four points. The site's main access will be from Wellness Way to the south of the project in the western half of the project site, off Deer Valley Road. The main entrance, labeled Street F on the project plans, leads to connected roads that create two general loops in the project, one in the western half of the project and one in the eastern half of the project. In the eastern half of the project streets bisect the lots main roads to create smaller blocks for residential lots, and the stormwater detention basin. The project plans, including a site plan, are included in Attachment C and the project description is included as Attachment D.

To connect to the existing residential neighborhood to the north of the project, the project will also construct extensions of Piute Way, Mojave Way, and Oneida Way, all of which are existing residential streets that currently have a terminus at the northern boundary of the project site. In consultation with City staff, the proposed project design has Oneida Way terminating within the project and not connecting through to a future extension of Wellness Way to the South, in order to prevent the neighborhood from being used as a future cut-through to Kaiser, Dozier Libby High School, and possibly the future Sand Creek Road. Lot 121 was configured to allow for an easement to benefit the City to allow for the extension of Oneida Way, should this be required in the future.

In the approximate center of the site is a 1.12 acre private park. The proposed park (Parcel A on the project plans) will feature turf with landscaping around the perimeter of the park. The park will have a fenced dog park in the northwestern corner of the park. In the eastern portion of the park, there will be a play structure and separate swing set. The play area will also feature a metal shade structure with picnic tables. The park will also feature a barbeque station.

The site plan also features a trail. The landscaped walking trail will be connected to the western edge of the park, travelling northward to the northern property line and then east to Deer Valley Road. The trail is Parcels C and D on the project plans. The proposed trail will end at Deer Valley Road and will feature a locked, tubular steel gate for site security. A recommended condition of approval requires the trail to be 10 feet wide and be made out of concrete. Currently, the proposed trail is made out of asphalt.

The other main feature of the project site is the proposed stormwater control bioretention basin (Parcel B) at the eastern side of the project, between Oneida way and Street J. The basin will be approximately 1.51 acres. The proposed project would include catch basins and storm drains throughout the project site that would connect to the bioretention basin and existing stormwater facilities. The HOA will be responsible for the maintenance of the basin.

<u>Private Park</u>

As described above, the project features a private park. Section 9-4.1011 of the Antioch Municipal Code requires that at the time of the review of the tentative subdivision map, the Parks and Recreation Commission shall determine, after a report and recommendation from the City Engineer/Director of Public Works, the land to be dedicated and/or the fees to be paid by the subdivider. The recommendation by the City Engineer/Director of Public Works and the action of the Parks and Recreation Commission shall be forwarded to the Planning Commission.

On November 19, 2020, the Park and Recreation Commission adopted a resolution which recommended to the Planning Commission acceptance of park-in-lieu fees in the amount of $181,500 to meet the park land obligation of the project and to condition the private park to meet all the City's park design standards current at the time of park construction. The recommendation to use the City's park design standards allows the City to take over

maintenance of the private park in the unlikely event the HOA is dissolved. The Commission also recommended that the park design include all access surfacing, a color scheme soothing for children with visual sensitivities, with more muted and earth tones. A similar color scheme was used at Chichibu Park. The Commission also recommended shade coverings over the playground elements. Finally, the Commission recommended that the specific park design should come back to the Commission for review and approval. All these recommendations have been incorporated as recommended conditions of approval. (The staff report and meeting minutes are included as Attachment G).

Traffic Study

The City's General Plan contains a Circulation element, which has policies on creating safe and convenient movement of people. To facilitate these policies, policy 7.3.2.h states, in relevant part, "Require traffic impact studies for all new developments that propose to increase the approved density or intensity of development or are projected to generate 50 peak hour trips or more at any intersection of Circulation Element roadways." As required in the General Plan, the traffic impact study evaluates the Level of Service (LOS) at the study intersections. LOS is a measure of how freely traffic and how much vehicle delay there is. LOS is designated A through F, with LOS A representing free-flowing conditions and LOS F representing severe congestion.

Historically, the traffic study and mitigations related to LOS have been included in the project's CEQA document, as allowed by CEQA Guidelines and the City's General Plan. On December 28, 2018, the California Office of Administrative Law cleared the revised CEQA Guidelines for use. Among the changes to the guidelines was removal of vehicle delay and LOS from consideration under CEQA. With the adopted guidelines, transportation impacts are to be evaluated based on a project's effect on Vehicle Miles Traveled (VMT). Lead agencies were required to use the new guidelines starting July 1, 2020. Therefore, this project's EIR only includes an evaluation of VMT and a standalone traffic study evaluates LOS. The traffic study is available at the following link: https://www.antiochca.gov/fc/community-development/planning/deer_valley_estates/Deer-Valley-Estates-TA_02-26-2021.pdf

The traffic study aides the City in determining compliance with the policies found in the Grown Management Element and Circulation Element of the General Plan. The Growth Management Element contains policy 3.4.1.1 Performance Standards for Routes of Regional Significance, which states, "discretionary projects that impact Routes of Regional Significance shall comply with the requirements of the adopted Action Plans." The Contra Costa Transportation Authority's East County Action Plan states that suburban arterial routes (Deer Valley Road and Lone Tree Way are listed) shall maintain LOS D or better at all signalized intersections (page 29).

Similarly, the Circulation Element contains policy 7.3.2.d. Vehicular Circulation Policies, which states, "Where feasible, design arterial roadways, including routes of regional significance, to provide better service than the minimum standards set forth in Measure

C and the Growth Management Element. Thus, where feasible, the City will strive to maintain a "High D" level of service within regional commercial areas and at intersections within 1,000 feet of a freeway interchange. The City will also strive where feasible to maintain Low-range "D' in all other areas of the City, including freeway interchanges."

The Deer Valley Estates traffic study analyzed the following conditions at 10 intersections around the project site:

- Existing Conditions;
- Existing Plus Project Conditions;
- Near-Term (2023) Conditions;
- Near-Term (2023) Plus Project Conditions;
- Cumulative (2040) Conditions; and
- Cumulative (2040) Plus Project Conditions.

The study found that under the existing condition, the intersection of Deer Valley Road/Prewett Ranch Drive is forecast to operate at an unsatisfactory LOS under existing conditions both without and plus project conditions. In the near term (2023), this unsatisfactory LOS condition is forecast to remain at the intersection. In the cumulative (2040) conditions, the intersection is forecast to operate at an unsatisfactory LOS under cumulative both without and plus project conditions. The study found that the intersection of Deer Valley Road/Lone Tree Way is forecast to operate at a satisfactory LOS under all conditions except the cumulative. Under the cumulative, the intersection would operate at an unsatisfactory LOS under both without and plus project conditions.

The traffic study evaluated improvements to the impacted intersections. At the intersection of Deer Valley Road/Prewett Ranch Drive, the study recommended that the signal phasing be changed and the signal timings be optimized. By implementing this improvement, the intersection is forecast to operate at a satisfactory LOS under existing and near-term conditions. However, under cumulative conditions, the intersection is forecast to operate at a deficient LOS, although the delay improves to better than the cumulative without project conditions. It was determined that no further improvements, such as adding an additional turn lane, are feasible at this intersection due to right-of-way constraints. The project's fair share for such improvements at this intersection would 3.79 percent, which is calculated based on project traffic as a percentage of total growth from existing to cumulative conditions. Additionally, the City is recommending that the project add bike lanes on Prewett Ranch Drive between Forty Niner Way and Deer Valley Road. The signal timings and bike lane mitigations have been added as recommended conditions of approval.

It was determined that no improvement is feasible at the intersection of Deer Valley Road/Lone Tree Way due to right-of way constraints as there is no additional right-of-way

at the intersection to construct additional traffic lanes. As such, this intersection will continue to operate at a deficient LOS under cumulative conditions. If any improvements are identified at this intersection prior to near-term conditions, the project's fair share will be 2.94 percent.

The project will have an impact on the LOS of Routes of Regional Significance, but the project itself will not be the sole cause of the unsatisfactory LOS and the project's contributing fair share to the intersections ranges from only 2.94 percent to 3.79 percent, depending on the intersection. Deer Valley Road/Prewett Ranch Drive is forecast to operate at an unsatisfactory LOS under existing conditions even without the project. Additionally, the cumulative conditions at Deer Valley Road/Lone Tree Way are forecast to operate at an unsatisfactory LOS under the cumulative with and without the project. Based on the traffic study, the Action Plan policy will not be fully met, but this will not be solely because of the traffic generated by the project, which only accounts for a small percentage of the impact. Additionally, as described above, the project will be required to mitigate its impacts to the extent feasible. These mitigation measures are included as recommended conditions of approval. The project complies with the General Plan's land use designation and standards, which allows for and anticipated a development of the proposed density at the project site. Therefore, the project meets the General Plan policies.

Architecture

In accordance with the Planned Development development standards, all the homes will have a minimum setback of 20 feet for both the front yard and the garage, and a minimum of 10 feet where the side yard abuts a street. Single-story units will include a minimum setback of 5 feet for side yards adjacent to other residential units; two-story units will include a minimum 10-foot setback on one side. Units that will be adjacent to Deer Valley Road and Wellness Way will have a minimum rear yard setback of 30 feet, while all other units will have a minimum rear yard setback of 25 feet.

The proposed project would include six different plan types, each of which would have three different architectural styles. Plans 1 and 2 are single story, with the remaining plans containing two stories. Plans 4 and 5 provides options for a rear loggia or rear deck. The layout and size of each residence would vary based on the plan type but would range from three bedrooms, with an option for only two, and two bathrooms in the smallest plan type to six bedrooms, as options, and four bathrooms in the largest. Many of the plans allow multiple options for the space within the home to be used either for flex spaces, dens, bonus rooms, additional bedrooms, or combinations of those options. Some plans also allow for additional bathrooms or for a bathroom to be either a full or half bath/powder room. For floor plans detailing the options, please refer to the project plans (Attachment C).

Home	Size (s.f.)	Bedrooms	Baths	Garage	Stories

Plan 1	2,252	3, with option for 2	2	2 car	1
Plan 2	2,213	3, with option for 4	3	2 car	1
Plan 2X	3,112	5, with options for 4 or 6	4	2 car	2
Plan 3	2,820	3, with options for 2, 4, or 5	2.5, with option for 3.5	2 car	2
Plan 4	3,779	4, with options for 5 or 6	3, with options for 2.5, 3.5 or 4	2 car, with optional 3rd tandem spot	2
Plan 5	3,445	5, with option for 4	4	3 car tandem	2

Each of the six plans are offered in three different architectural styles. The applicant stated in their project description (Attachment D) that the styles take inspiration from three popular 20th century design trends: ranch, prairie, and mid-century modern.

Contemporary Ranch
This style is an update of the traditional ranch style home. The homes feature a mix of gable and shed roofs, exposed beams, stone accents, and a warm color palette. The style features horizontal lap siding, which is reflective of traditional ranch homes.

Modern Prairie
This style emulates the original prairie style home with hipped roofs, broad eaves, horizontal banding, and alternating rhythm of piers and windows. The style has been updated with horizontal stone veneer, strong horizontal banding and trim elements, and hipped roofs that are low and broad.

Mid-Century Modern
These homes re-imagine the 1950s residential design with shed roof forms, larger windows and more horizontal windows, exposed beams, and touches of bright colors. The garage door and entry door feature vertically aligned windows that add to the mid-century modern aesthetic.

All the proposed home plans are 55 feet wide and have a minimum of 20’x20’ two-car garages. Plan 4 provides the option for either a third tandem garage spot or a bedroom. Plan 5 has a two-car garage with a third tandem space. The home plans have the garage recessed behind the main living portion, which is consistent with Section 6.1.3E1 of the Citywide Design Guidelines.

Staff has included recommended conditions of approval to help the project better conform to the Citywide Design Guidelines. Citywide Design Guideline 6.1.4.B focuses on how the

homes relate to the street using elements such as porches, front entry focal points, garages to be subordinate to the front of the home, and massing to providing visual interest. While all the plans incorporate porches, the porch elements are relatively small and do not always provide an inviting appearance or provide a prominent focal point to the home. Staff has added recommended conditions of approval to enhance the front entry focal points. Recommended conditions of approval include adding additional stone veneer on some plans, redesigning the porch entrance of Plan 2C and 2CX to better integrate the entrance with the main home, and extending the stone veneer in some Plan 4 elevations.

Staff has included recommended conditions of approval to address the massing of the homes. Citywide Design Guideline 6.1.4.C.11 states, Massing shall accentuate entries and minimize garage prominence" Plans 4 and 5, as designed, do not provide architectural elements that reduce the perceived scale of the structure. Staff has added a recommended condition of approval to revise the entrance feature of the homes to reduce the perceived massing and enhance the porch element to better align with the Citywide Design Guidelines. Design Guideline 6.1.4.D.3 states that corner lots shall feature single story homes to add visual interest. Staff has added a recommended condition of approval that the majority of the corner lots shall have single story homes to comply with the Design Guideline.

Landscaping

The applicant submitted preliminary landscaping plans as required in the Final Development Plan application checklist. The applicant is proposing a mix of plants with varying growth habits that are appropriate for the climate and many are drought tolerant.

For the front yard landscaping, the applicant has provided different plant palettes for each of the three architectural styles. Each of the plant palettes features a tree, shrubs, and ground cover. The Contemporary Ranch landscaping includes a flowering plum tree, English lavender, New Zealand flax, Australian rosemary, and dwarf rose. The Modern Prairie palette includes a western redbud tree, feather red grass, red fountain grass, dwarf olive, and dwarf juniper. Finally, the Mid-Century Modern plants include a ginkgo "maidenhair tree", dwarf myrtle, New Zealand flax, rosemary, and evergreen fountain grass. The use of some species of plant in multiple palettes, such as the New Zealand flax, and plants unique to each palette provides cohesive design elements that carry through landscaping while maintain distinct palettes.

The park and trail parcel will feature trees along the exterior boundaries. The park is proposed to feature red maple, Chinese pistache, flowering plum, and Chinese elm along with additional plantings and groundcover. The interior of the park will feature turf. The park will feature a fenced dog park and a play area, barbeque station, play structure, and decorative accent paving around a tree planter. The trail, which connects to the park, features some of the same trees as the park and street trees, including the Chinese pistache and saucer magnolis. The stormwater control basin will feature ginkgo "maidenhair tree". The use of the same trees throughout adds continuity to the project.

The applicant has also proposed landscaping along Deer Valley Road, Wellness Way, and the main project entrance at Street F. The landscape plans call out the proposed street trees to include saucer magnolia, London plane tree, and Chinese pistache. Many of the street trees shown appear to be London plane trees. Citywide Design Guideline 6.1.4.A states, "Residential neighborhood entries shall incorporate special paving, architectural elements, and landscaping treatments to set the overall tone for the community's character and design." The proposed project plans currently show Street F and the entry framed by Chinese elm trees, which will provide a contrast to the other street trees. In order to ensure that the entry and monument sign coordinate with the community's design and landscaping, a recommended condition of approval has been added stating, "The final landscaping plans shall show enhanced landscaping around the monument sign that coordinates with the front yard landscaping of the homes." With this added condition of approval, the interior landscaping will be reflected in the entry monument.

In compliance with Section 9-5.1003 of the Antioch Municipal Code, front yards would not be planted with any trees smaller than 15 gallons, any shrubs smaller than five gallons, or any groundcover smaller than one gallon. In compliance with Section 9-5.1002 of the Antioch Municipal Code, the applicant will submit final landscape plans that identify specific plant materials to be used, providing both common and botanical names, sizes and quantities when submitting for building permits.

<u>Sound Wall, Entry, and Fencing</u>

The applicant has proposed the installation of a six-foot precast sound wall along the northern property line, western property line along Deer Valley Road, and along part of the southern property line along Wellness Way. The northern property line of the project abuts existing residential homes with wooden fences. In order to install the proposed sound wall along the northern property line, the developer would either have to work with the individual property owners to install the sound wall, which not all property owners may agree to, or install the sound wall wholly on the Deer Valley Estates property, which would make the sound wall not sit on the property line. Additionally, typically in Antioch neighboring residential projects would only utilize a wooden fence to separate a project. Therefore, a recommended condition of approval has been added that the northern property line shall replace the proposed sound wall with the same fencing as the rest of the project.

Recommended conditions of approval have been added requiring a masonry sound wall be installed and that it shall be installed along the western and southern property lines. The project's mitigation measures from 2008 include the installation of a sound wall along Wellness Way, this condition of approval extends the wall along the entire southern property line. A sound wall will provide greater separation between the project and the Kaiser Medical Center. Consistent with the Residential Design Guidelines, a recommended condition of approval requires the sound wall to use materials and colors

that complement the neighborhood and feature decorative columns or pilasters at regular intervals to provide relief.

The entry at the corner of Deer Valley Road and Wellness Way features a three-foot tall, curved monument sign that includes the project's name. The monument sign would feature a stone veneer that coordinates with the project. As discussed above, staff has added a recommended condition of approval to add enhanced landscaping at the entryway.

Fencing around the stormwater detention basin is currently proposed as a vinyl clad chain link fencing. A recommended condition of approval requires the fencing to be wrought iron or a black powder coated tubular steel fencing. This fencing will coordinate with the proposed tubular steel gate at the trail entrance on Deer Valley Road. In addition to the other sound walls and project fencing, the side and rear fencing of the homes will feature six-foot-tall wood fencing.

ATTACHMENTS

A. Resolution Recommending that the City Council certify the Deer Valley Estates Project EIR
   Exhibit A: Mitigation and Monitoring Reporting Program
B. Resolution Recommending that the City Council approve the Vesting Tentative Map, Final Development Plan, Use Permit, and Design Review for the Project
C. Project Plans
D. Project Description
E. Master Development Plan City Council Staff Report and Minutes (February 26, 2008)
F. Planned Development Ordinance (2013-C-S)
G. Parks and Recreation Commission Staff Report and Meeting Minutes (November 19, 2020)
H. Contra Costa Fire Protection District Letter (August 25, 2020)

ATTACHMENT A

Resolution Recommending that the City Council Certify the Deer Vally Estates Project EIR

PLANNING COMMISSION
RESOLUTION NO. 2021-**

RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF ANTIOCH RECOMMENDING THE CITY COUNCIL CERTIFY THE ENVIRONMENTAL IMPACT REPORT FOR THE DEER VALLEY ESTATES PROJECT AS ADEQUATE FOR ADDRESSING THE ENVIRONMENTAL IMPACTS OF THE PROPOSED PROJECT AND ADOPTING CALIFORNIA ENVIRONMENTAL QUALITY ACT FINDINGS, STATEMENT OF OVERRIDING CONSIDERATIONS, AND MITIGATION MEASURES AND A MITIGATION MONITORING AND REPORTING PROGRAM

WHEREAS, the City of Antioch ("City") received an application from Blue Mountain Communities ("Applicant"), seeking City approval of the following: Vesting Tentative Subdivision Map, Final Development Plan, Use Permit, and Design Review for the development of a 121-unit residential community and associated improvements on approximately 37.56 acre project site, which is known as the Deer Valley Estates Project ("Project");

WHEREAS, The 37.56 acre project site is comprised of two contiguous parcels and is located in the southern portion of the City of Antioch. The site is located in the northeast corner of the intersection of Deer Valley Road and Wellness Way and is identified as 6100 Deer Valley Road and by Assessor's Parcel Numbers (APNs) 055-071-026 and 057-022-013. The project site is situated within the Sand Creek Focus Area of the General Plan and has a designation of Sand Creek Focus Area - Low Density Residential;

WHEREAS, the Project consists of development of 121 single-family homes and associated improvements. The Project improvements would include, but would not be limited to, infrastructure, parking, detention basins, lighting, landscaping, and a private park;

WHEREAS, the City, as lead agency under the California Environmental Quality Act ("CEQA"), has completed the Final Environmental Impact Report ("Final EIR" or "EIR") for the Project;

WHEREAS, this document contains the City's certification of the EIR, its CEQA findings, and its statement of overriding considerations supporting approval of the Project considered in the EIR. The Final EIR has State Clearinghouse No. 2020120352;

WHEREAS, a Draft Environmental Impact Report ("Draft EIR") was released for a 45-day public and agency review on January 29, 2021. The Draft EIR assesses the potential environmental effects of implementation of the Project, identifies means to eliminate or reduce potential adverse impacts, and evaluates a reasonable range of alternatives to the Project;

WHEREAS, the Final EIR comprises the Draft EIR together with one additional volume that includes the comments on the Draft EIR submitted by interested public agencies, organizations, and members of the public; written responses to the environmental issues raised in those comments; revisions to the text of the Draft EIR reflecting changes made in response to comments and other information; and other minor changes to the text of the Draft EIR. The Final EIR is hereby incorporated in this document by reference.

NOW, THEREFORE, BE IT RESOLVED AND DETERMINED, as follows:

CERTIFICATION OF THE FINAL EIR

The Planning Commission recommends the City Council of the City of Antioch (the "City Council") certify that it has been presented with the Final EIR and that it has reviewed and considered the information contained in the Final EIR prior to making the following findings.

Pursuant to CEQA Guidelines Section 15090 (Title 14 of the California Code of Regulations, Section 15090) the Planning Commission recommends the City Council certify that the Final EIR has been completed in compliance with CEQA and the State CEQA Guidelines, and that the City Council certify the Final EIR for the Project as described above.

The Planning Commission recommends the City Council further certify that the Final EIR reflects its independent judgment and analysis.

FINDINGS

Having received, reviewed, and considered the Final EIR and other information in the record of proceedings, the Planning Commission recommends the City Council hereby adopt the following findings in compliance with CEQA and the CEQA Guidelines:

Part 3.1: Findings regarding environmental effects of the project which are considered unavoidable significant impacts.

Part 3.2: Findings regarding environmental effects evaluated in the Final EIR which can be avoided or substantially lessened to less than significant levels with implementation of the identified mitigation measures.

Part 3.3 Findings regarding environmental effects found to be less than significant.

Part 3.4 Findings regarding environmental impacts found to be beneficial.

Part 4: Findings regarding considerations that make alternatives analyzed in the Final EIR infeasible.

Part 5: Statement of Overriding Considerations.

The Planning Commission recommends the City Council certify that these findings are based on full appraisal of all viewpoints, including all comments received up to the date of adoption of these findings, concerning the environmental issues identified and discussed in the Final EIR. The Planning Commission recommends the City Council adopt the findings and the statements in Parts 3.1, 3.2, 3.3, 3.4, 4, and 5 for the Project.

In addition to the findings regarding environmental impacts and mitigation measures, Part 6, below, identifies the custodian and location of the record of proceedings, as required by CEQA.

Part 7 describes the Mitigation Monitoring and Reporting Program for the Project. As described in Part 7, the Planning Commission recommends the City Council hereby adopt the Mitigation Monitoring and Reporting Program as set forth in Exhibit A to these findings.

1.0 INTRODUCTION

1.1 PURPOSE

This statement of Findings of Fact addresses the environmental effects associated with the Deer Valley Estates Project (proposed project) located in Antioch, California. These Findings are made pursuant to the California Environmental Quality Act (CEQA) under Sections 21081 and 21081.6 of the Public Resources Code and Sections 15091 of the CEQA Guidelines, Title 14, Cal. Code Regs. 15000, et. seq. The potentially significant impacts were identified in both the Draft Environmental Impact Report (EIR) and the Final EIR, as well as additional facts found in the complete record of proceedings.

Public Resources Code 21081 and Section 15091 of the CEQA Guidelines require that the lead agency prepare written findings for identified significant impacts, accompanied by a brief explanation for the rationale for each finding. The City of Antioch Community Development Department (City) is the lead agency responsible for preparation of the EIR in compliance with CEQA and the CEQA Guidelines. Section 15091 of the CEQA Guidelines states, in part, that:

a. No public agency shall approve or carry out a project for which an EIR has been certified which identifies one or more significant environmental effects of the project unless the public agency makes one or more written findings for each of those significant effects, accompanied by a brief explanation of the rationale for each finding. The possible findings are:

    1) Changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effect as identified in the Final EIR.

    2) Such changes or alterations are within the responsibility and jurisdiction of another public agency and not the agency making the finding. Such changes have been adopted by such other agency or can and should be adopted by such other agency.

    3) Specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers, make infeasible the mitigation measures or project alternatives identified in the Final EIR.

In accordance with Public Resource Code 21081 and Section 15093 of the CEQA Guidelines, whenever significant impacts cannot be mitigated to a level below significance, the lead agency is required to balance, as applicable, the benefits of the proposed project against its unavoidable environmental risks when determining whether to approve the project. If the benefits of a proposed project outweigh the unavoidable adverse environmental effects, the adverse effects may be considered "acceptable." In that case, the decision-making agency may prepare and adopt a Statement of Overriding Considerations, pursuant to the CEQA Guidelines.

Section 15093 of the CEQA Guidelines states that:

(a) CEQA requires the decision-making agency to balance, as applicable, the economic, legal, social, technological, or other benefits of a proposed project against its unavoidable environmental risks when determining whether to approve the project. If the

specific economic, legal, social, technological, or other benefits of a proposed project outweigh the unavoidable adverse environmental effects, the adverse environmental effects may be considered "acceptable."

(b) When the lead agency approves a project, which will result in the occurrence of significant effects which are identified in the Final EIR but are not avoided or substantially lessened, the agency shall state in writing the specific reasons to support its action based on the Final EIR and/or other information in the record. The statement of overriding considerations shall be supported by substantial evidence in the record.

(c) If an agency makes a statement of overriding considerations, the statement should be included in the record of the project approval and should be mentioned in the notice of determination. This statement does not substitute for, and shall be in addition to, findings required pursuant to Section 15091. As required by CEQA, the City, in adopting these findings, also adopts a Mitigation Monitoring and Reporting Program for the project. The City finds that the Mitigation Monitoring and Reporting Program, which is incorporated by reference and made a part of these findings, meets the requirements of Section 21081.6 of the Public Resources Code by providing for the implementation and monitoring of measures intended to mitigate potentially significant effects of the project.

The Final EIR for the project identified potentially significant effects that could result from project implementation. However, the Planning Commission recommends the City Council find that the inclusion of certain mitigation measures as part of the project approval will reduce most, but not all, of those effects to less than significant levels. Those impacts that are not reduced to less than significant levels are identified and overridden due to specific project benefits in a Statement of Overriding Considerations.

In accordance with CEQA and the CEQA Guidelines, the Planning Commission recommends the City Council adopt these findings as part of its certification of the Final EIR for the project. Pursuant to Section 21082.1(c)(3) of the Public Resources Code, the Planning Commission recommends the City Council also find that the Final EIR reflects the City's independent judgment as the lead agency for the project.

1.2 ORGANIZATION AND FORMAT OF FINDINGS

Section 1.0 contains a summary description of the project and background facts relative to the environmental review process. Section 2.0 discusses the CEQA finding of independent judgment. Section 3.0 identifies the impacts of the project that were studied in the EIR. Section 3.1 of these Findings identifies the significant impacts of the project that cannot be mitigated to a less than significant level, even though all feasible mitigation measures have been identified and incorporated into the project.

Section 3.2 identifies the potentially significant effects of the project that would be mitigated to a less than significant level with implementation of the identified mitigation measures. Section 3.3 identifies the project's potential environmental effects that were determined not to be significant and, therefore, do not require mitigation measures. Section 4.0 discusses the feasibility of project alternatives. Section 5.0 discusses findings with respect to mitigation of significant adverse impacts, and adoption of the Mitigation Monitoring and Reporting Program (MMRP).

1.3 SUMMARY OF PROJECT DESCRIPTION

The proposed project involves the construction of 121 new single-family homes on the project site and associated open space, roadway, and utility improvements. The single-family residential units would range in size from approximately 2,252 square feet to approximately 3,445 square feet and would be located on individual lots that would be a minimum of 7,000 square feet. All of the residential units would front onto internal streets within the project site, discussed below, and none would front onto either Deer Valley Road or Wellness Way.

Each of the residential lots on the project site would include private backyards that would be an average of 2,240 square feet in size. In total, the proposed project would provide approximately 15.2 acres (662,380 square feet) of common open space and private recreational space, including backyards. The proposed project would include multiple common open space areas for project residents, including an approximately 1.12-acre park, which would be located in the approximate center of the project site (as shown on Figure 3) and would include a dog park and a playground. An approximate total of 1.5 acres of the site would be improved with landscaping, including street trees and native grasses and an approximately 4- to 6-foot-wide trail that would run through the northwest and center portions of the site and connect the proposed park to Deer Valley Road. Access to the proposed trail would be provided by a tubular steel fence with an access gate in the northwest corner of the project site.

Refer to Chapter 3.0, Project Description, of the Draft EIR for a complete description of the proposed project.

1.4 PROJECT OBJECTIVES

CEQA states that the statement of project objectives should be clearly written and define the underlying purpose of the project, in order to permit the development of a reasonable range of alternatives and aid the Lead Agency in making findings.

As provided by the project sponsor, the objectives of the Deer Valley Estates Project are to:

- Develop a project consistent with the Sand Creek Focus Area of the General Plan that incorporates market-acceptable design features and promotes an attractive, well-maintained community.
- Establish a well-planned community that is family friendly or could accommodate senior residents and that incorporates the natural, historic, and physical elements of the land and the surrounding uses.
- Design a land use plan with uses complementary to existing neighborhoods and in symmetry with the larger Antioch community.
- Provide housing opportunities responsive to the needs of Antioch, the region and market conditions, to serve a range of family incomes and household types.
- Contribute to the City of Antioch's economic and social viability by creating a community that creates jobs and attracts investment and positive attention.

- Provide work force housing adjacent to Deer Valley Road and next to Kaiser Permanente Antioch Medical Center enhancing the attractiveness of the community to health care workers.

- Implement the County's Growth Management Program by providing for urban development within the Urban Limit Line. Preserving open space by relieving sprawl pressure and acting as an infill development placing new homes on parcels surrounded by existing development on three sides and adjacent to existing homes.

- Provide a land use plan and density that results in an adequate tax base, which at project buildout generates financial resources to pay for public services and infrastructure without financial burden to existing residents.

- Establish a land use and circulation system that promotes convenient mobility, while limiting circulation thru existing communities, and provides safe, accessible, pedestrian access to medical facilities next door.

- Provide a pedestrian-friendly community and comprehensive infrastructure system, including parks, open space, trails, stormwater quality facilities, public services, roadways, and utilities infrastructure sized to serve the proposed project and properties to the north complementing the existing Citywide infrastructure and ensures funding for the on-going maintenance needs of such infrastructure.

- Help the City of Antioch provide its fair share of housing, and help alleviate a regional housing shortage, by providing a mix of housing types and sizes, some moderately affordable, and which can meet the needs of a variety of different and growing household sizes.

- Provide housing near major transportation and regional trails connections, with increased land use intensities near regional transportation connections.

1.5 ENVIRONMENTAL REVIEW PROCESS

Initial Study: To determine the number, scope and extent of environmental issues, the Notice of Preparation (NOP) of the Draft Environmental Impact Report was circulated for public review for a period of 30 days, beginning on December 16, 2020, and ending on January 15, 2021. An Initial Study was circulated with the NOP. The Initial Study tiers from the analysis provided in the Initial Study/Mitigated Negative Declaration (2008 IS/MND) prepared for the proposed Deer Valley Estates Master Development Plan Project (2008 Project), which was adopted by the Antioch City Council.

A total of three written comments on the NOP were received by the City and were considered during preparation of the EIR. Copies of the NOP and comment letters received are included in Appendix A of the Draft EIR.

Draft EIR: In accordance with the requirements of CEQA and the CEQA Guidelines, a Draft EIR was prepared to address the potential significant environmental effects associated with the proposed project identified during the NOP process. Based on the NOP and Initial Study scoping process, the EIR addressed the following potential significant environmental issues:

- Transportation and Circulation

The Draft EIR was released for public and agency review 45-day period, from January 29, 2021, to March 15, 2021. During the Draft EIR public review period, the City received two comment letters.

Final EIR: Section 15088 of the CEQA Guidelines requires that the Lead Agency responsible for the preparation of an EIR evaluate comments on environmental issues and prepare a written response addressing each of the comments. The intent of the Final EIR is to provide a forum to address comments pertaining to the information and analysis contained within the Draft EIR, and to provide an opportunity for clarifications, corrections, or minor revisions to the Draft EIR as needed.

The Final EIR assembles in one document all of the environmental information and analysis prepared for the proposed project, including comments on the Draft EIR and responses by the City to those comments.

Pursuant to Section 15132 of the State CEQA Guidelines, the Final EIR consists of the following:

(a) The Draft EIR, including all of its appendices;

(b) The Response to Comments Document, which includes a list of persons, organizations, and public agencies commenting on the Draft EIR, copies of all letters received by the City during the Draft EIR public review period, and responses to the comments; and

(c) Any other information added by the Lead Agency.

1.6 ABSENCE OF SIGNFICANT NEW INFORMATION

CEQA Guidelines Section 15088.5 requires that a lead agency recirculate an EIR for further review and comment when significant new information is added to the EIR after public notice is given of the availability of a Draft EIR, but before certification of the Final EIR. New information added to an EIR is not “significant” unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect that the project proponent declines to implement. Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR. The Guidelines provide examples of significant new information under this standard, which include the following:

1. A new significant environmental impact that would result from the Project (or any alternative) or from a new mitigation measure proposed to be implemented.

2. A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.

3. A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the significant environmental impacts of the Project (or an alternative), but the Project's proponents decline to adopt it.

4. The Draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.

Having reviewed all the information in the record, the Planning Commission recommends the City Council find that no significant new information has been added to the Final EIR since public notice was given of the availability of the Draft EIR. No new or substantial changes to the Draft EIR were proposed as a result of the public comment process. The Final EIR responds to comments and makes only minor technical changes, clarifications or additions to the Draft EIR. The minor changes, clarifications, or additions to the Draft EIR do not identify any new significant impacts or substantial increase in the severity of any environmental impacts, and do not include any new mitigation measures that would have a potentially significant impact. Therefore, the Planning Commission recommends the City Council find that recirculation of the EIR is not required.

1.7 DIFFERENCES OF OPINION REGARDING THE IMPACTS OF THE PROJECT

In making its determination to certify the Final EIR and to approve the Project, the Planning Commission recommends the City Council recognize that a range of technical and scientific opinion exists with respect to certain environmental issues. The Planning Commission recommends the City Council acknowledge that it has acquired an understanding of the range of this technical and scientific opinion by its review of the Draft EIR, the comments received on the Draft EIR and the responses to those comments in the Final EIR, as well as testimony, letters, and reports regarding the Final EIR and its own experience and expertise in these environmental issues. The Planning Commission recommends the City Council acknowledge that it has reviewed and considered, as a whole, the evidence and analysis presented in the Draft EIR, the evidence and analysis presented in the comments on the Draft EIR, the evidence and analysis presented in the Final EIR, the information submitted on the Final EIR, and the reports prepared by the experts who prepared the EIR, by the City's consultants, and by staff, addressing those comments. The Planning Commission recommends the City Council acknowledge that it has gained a comprehensive and well-rounded understanding of the environmental issues presented by the Project. The Planning Commission recommends the City Council acknowledge that in turn, this understanding has enabled the City Council to make its decisions after weighing and considering the various viewpoints on these important issues. The Planning Commission recommends the City Council accordingly certify that its findings are based on full appraisal of all of the evidence contained in the Final EIR, as well as the evidence and other information in the record addressing the Final EIR.

2.0 CEQA FINDING OF INDEPENDENT JUDGMENT

The Final EIR reflects the City's independent judgment. The City has exercised independent judgment in accordance with Public Resources Code 21082.1(c)(3) in retaining its own environmental consultant in the preparation of the EIR, as well as reviewing, analyzing and revising material prepared by the consultant.

Having received, reviewed, and considered the information in the Final EIR, as well as any and all other information in the record, the Planning Commission recommends the City Council hereby makes findings pursuant to and in accordance with Sections 21081, 21081.5, and 21081.6 of the Public Resources Code.

3.0 FINDINGS OF FACT

3.1 ENVIRONMENTAL EFFECTS OF THE PROJECT WHICH ARE CONSIDERED UNAVOIDABLE SIGNIFICANT IMPACTS

This section identifies the significant unavoidable impact that requires a statement of overriding considerations to be issued by the City, pursuant to Section 15093 of the CEQA Guidelines, if the project is approved. Based on the analysis contained in the Final EIR, the following impact has been determined to be significant and unavoidable:

- The proposed project would exceed the applicable vehicle miles traveled (VMT) threshold of significance, and no feasible mitigation measures are available to reduce this impact to a less-than-significant level.

3.1.1 Project Impacts: Vehicle Miles Traveled

An evaluation of the project-specific and cumulative impact on transportation associated with the project is found in Chapter 4.0, Transportation, of the Final EIR.

The threshold of significance for determining VMT impacts is a 15 percent decrease compared to the region's existing VMT. A 15 percent reduction of the regional VMT would be 14.24. Therefore, the proposed project's VMT per capita of 22.19 is approximately 55.82 percent above the threshold of significance of 14.24 VMT per capita.

The estimated VMT does not account for the implementation of a potential transportation demand management (TDM) plan, which could be used to reduce the project VMT. A TDM plan would need to achieve a minimum of 55.82 percent reduction in VMT to reduce the project impacts to less-than-significant levels.

The range of effectiveness for VMT reductions is based on information included in the California Air Pollution Control Officers Association (CAPCOA) Quantifying Greenhouse Gas Mitigation Measures report (CAPCOA report).[1] The quantification methods provided in the CAPCOA report are based on an extensive literature review. The CAPCOA report identifies the global maximum reduction for all VMT as 75 percent for projects in urban areas, 40 percent for compact infill projects, 20 percent for suburban center projects (or suburban with a neighborhood electric vehicle (NEV) network), and 15 percent for suburban projects. The proposed project most closely resembles a suburban center project, which is characterized by dispersed, low-density, automobile-dependent land use patterns centered around a historic downtown that has become surrounded by its region's suburban growth pattern. Therefore, an aggressive TDM plan for the proposed project would be expected to achieve a maximum reduction in per capita VMT of 20 percent. A 20 percent reduction would result in 17.75 daily VMT per capita for the proposed project. Therefore, even with the implementation of an aggressive TDM plan, the proposed project's VMT would be 24.64 percent above the threshold of significance of 14.24 VMT per capita.

[1] California Air Pollution Control Officers Association (CAPCOA). 2010. *Quantifying Greenhouse Gas Mitigation Measures*. August. Website: www.capcoa.org/wp-content/uploads/2010/11/CAPCOA Quantification-Report-9-14-Final.pdf (accessed July 24, 2020).

Based on the above, there are no feasible or realistic mitigation measures currently available that would reduce this impact to a less-than-significant level. Therefore, this impact would be significant and unavoidable.

Findings for Impact TRA-1: The Planning Commission recommends the City Council find that the project-specific VMT impacts will remain significant and unavoidable. Pursuant to Section 21081(a)(3) of the Public Resources Code, as described in the Statement of Overriding Considerations, the City has determined that specific economic, legal, social, technological, or other benefits, make infeasible the alternatives identified in the EIR and the identified project-specific VMT impacts are thereby acceptable because of specific overriding considerations (see Statement of Overriding Considerations).

3.1.2 Cumulative Impacts: Vehicle Miles Traveled

Consistent with OPR's TA on Evaluating Transportation Impacts in CEQA,[2] a project's cumulative impacts are based on an assessment of whether the "incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probably future projects." A project that falls below an efficiency-based threshold that is aligned with long-term environmental goals and relevant plans would have no cumulative impact distinct from the project impact.

The proposed project would exceed the existing VMT thresholds of significance. Therefore, the proposed project would also have a cumulatively considerable impact with respect to VMT. The proposed project, in combination with cumulative projects, would exceed the existing VMT thresholds of significance.

Future buildout of the Sand Creek Focus area could create a built environment with a more diverse mix of uses and therefore result in a potential decrease in per capita VMT by reducing the distance required for residents of the proposed project to access services and places of employment. However, this efficient mix of uses cannot be guaranteed, as it would rely on future private development in the area. Therefore, the proposed project, in combination with cumulative projects, would have a significant unavoidable impact with respect to VMT.

Findings for Impact TRA-2: The Planning Commission recommends the City Council find that the cumulative VMT impacts will remain significant and unavoidable. Pursuant to Section 21081(a)(3) of the Public Resources Code, as described in the Statement of Overriding Considerations, the City has determined that specific economic, legal, social, technological, or other benefits, make infeasible the alternatives identified in the EIR and the identified cumulative VMT impacts are thereby acceptable because of specific overriding considerations (see Statement of Overriding Considerations).

3.2 ENVIRONMENTAL EFFECTS EVALUATED IN THE FINAL EIR WHICH CAN BE AVOIDED OR SUBSTANTIALLY LESSENED TO LESS THAN SIGNIFICANT LEVELS WITH IMPLEMENTATION OF THE IDENTIFIED MITIGATION MEASURES

This section identifies significant adverse impacts of the project that require findings to be made pursuant to Section 21081 of the Public Resources Code and Section 15091 of the CEQA

[2] Governor's Office of Planning and Research (OPR). 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA.* December.

Guidelines. Based on information in the Final EIR, the Planning Commission recommends the City Council find that, based upon substantial evidence in the record, adoption and implementation of the mitigation measures set forth below will reduce the identified significant impacts to less than significant levels. Based on the analysis contained in the Final EIR, the following impacts have been determined to be impacts that can be reduced to less-than-significant levels with implementation of the mitigation measures set forth below:

- AES-1: Project construction would result in new sources of glare that would adversely affect daytime views in the area.
- AIR-1: Construction of the proposed project would generate air pollutant emissions that could violate air quality standards.
- AIR-2: Construction of the proposed project would expose sensitive receptors to substantial pollutant concentrations.
- BIO-1: Project construction could result in substantial adverse impacts to vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander.
- BIO-2: Project construction could result in substantial adverse impacts to burrowing owls.
- BIO-3: Project construction could result in substantial adverse impacts to San Joaquin kit fox.
- BIO-4: Mismanagement of off-site mitigation lands would result in the loss of habitat for special status species.
- BIO-5: Project construction would result in the removal of suitable habitat for Swainson's hawk, Loggerhead shrike, and white-tailed kite.
- BIO-6: Construction and operation of the proposed project would result in incidental take of federal and State listed species.
- CULT-1: Project construction activities could cause a substantial adverse change in the significance of an archaeological resource.
- CULT-2: Project construction activities could disturb human remains, including those interred outside of formal cemeteries.
- GEO-1: Project construction activities could cause seismic-related ground failure.
- GEO-2: Project construction activities could result in caving at excavations and trenches and differential settlement.
- GEO-3: Project construction activities could disturb unique paleontological resources.
- HAZ-1: Project construction activities could release hazardous materials into the environment.

- HAZ-2: Project construction activities could expose construction workers and the public to hazardous materials, including from nearby pipelines.
- HYD-1: Project construction activities could result in pollutants being released into surface waters.
- HYD-2: Project operation could result in the release of pollutants into the City's storm drain system.
- HYD-3: Project implementation could result in a lack of capacity in the City's storm drain system.
- HYD-4: Project implementation could result in off-site flooding impacts.
- HYD-5: Project implementation would contribute to the degradation of regional drainage infrastructure.
- NOI-1: Project construction activities could generate a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of established standards.
- NOI-2: Project implementation could expose residents to excessive noise levels.

3.2.1 Aesthetic Resources

AES-1: Project construction would result in new sources of glare that would adversely affect daytime views in the area.

Mitigation Measure AES-1: Outdoor lighting shall be designed to minimize glare and spillover to surrounding properties. The proposed project shall incorporate non-mirrored glass to minimize daylight glare.

Findings for Impact AES-1: Mitigation Measure AES-1 requires that any outdoor lighting be designed to limit and minimize glare and spillover, and likewise requires the incorporation of non-mirrored glass to minimize glare. The purpose of this measure is to avoid any potential impact to daytime views due to glare. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on aesthetic resources, including potential impacts to daytime views due to glare.

3.2.2 Air Quality

AIR-1: Construction of the proposed project would generate air pollutant emissions that could violate air quality standards.

Mitigation Measure AIR-1: In order to meet the Bay Area Air Quality Management District (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.
- Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly visible sign shall be posted with the telephone number and person to contact at the City of Antioch regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

Findings for Impact AIR-1: Mitigation Measure AIR-1 requires the construction contractor to water exposed surfaces, cover haul trucks, remove tracked-out mud or dirt with wet power vacuum street sweepers, limit speeds to 15 mph, prioritize paving of roadways, driveways, and sidewalk and laying of building pads, minimize idling times, regularly maintain and tune equipment, and display contact information for dust complaints. The purpose of this measure is to avoid any potential impact due to fugitive dust emissions during construction. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the

potentially significant impact on air quality, including potential impacts due to fugitive dust emissions.

AIR-2: Construction of the proposed project would expose sensitive receptors to substantial pollutant concentrations.

Mitigation Measure AIR-2: During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the California Air Resources Board (CARB) Tier 2 emissions standards or equivalent equipped with Level 3 diesel particulate filters.

Findings for Impact AIR-2: Mitigation Measure AIR-2 requires the construction contractor ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the CARB Tier 2 emissions standards or equivalent, equipped with Level 3 diesel particulate filters. The purpose of this measure is to avoid any potential impact due to exposure of sensitive receptors to substantial pollutant concentrations. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on air quality, including potential impacts due to exposure of sensitive receptors to substantial pollutant concentrations.

3.2.3 Biological Resources

BIO-1: Project construction could result in substantial adverse impacts to vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander.

Mitigation Measure BIO-1a: Prior to issuance of grading or construction permits for the proposed project, a qualified biologist shall conduct protocol level surveys to determine the presence or absence of vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander on the project site. These surveys shall be conducted in consultation with the appropriate regulatory agencies to determine under what conditions surveys could occur. Some protocol level surveys may take up to two years to conduct. If these species are determined to be absent from the site, no further mitigation would be required. If suitable conditions do not exist for protocol level surveys prior to grading or construction activities, these species must be assumed present on the project site.

Mitigation Measure BIO-1b: If vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog or California tiger salamander are identified on the project site or are assumed present due to the absence of protocol level surveys, and avoidance is not feasible, the project applicant shall mitigate for the loss of habitat. Authorized take permits may

be required by the U.S. Fish and Wildlife Service (USFWS) for incidental take of individuals that may be present.

The project applicant shall purchase credits at an approved off-site mitigation bank or other lands approved by the applicable resource agencies and the City of Antioch (e.g., in fee-title or through conservation easement). Mitigation would be required at a replacement to loss ratio of 2:1 and a creation to loss ratio of 1:1 (a total mitigation ratio of 3:1) for vernal pool fairy shrimp and/or vernal pool tadpole shrimp (these are standard mitigation ratios used by the USFWS for impacts to these species).

The Elsie Gridley Multi-Species Conservation Bank includes Antioch within its service area and offers preservation and creation habitat. Loss of California red-legged frog or California tiger salamander habitat should be mitigated at a 1:1 mitigation to loss ratio (38 acres) at a suitable site that is known to support a breeding population. Because the project site supports low value California tiger salamander habitat, the preservation of high quality, known breeding habitat would duly compensate for the loss of low-quality habitat, especially if the site acquired is either in fee-title or via a conservation easement that preserves and enhances breeding and estivation habitat or preserves and enhances suitable estivation habitat adjacent to a known, protected breeding site.

Enhancement shall include a controlled grazing regime, limited public access, fencing, or other appropriate measures to be implemented by the bank using funds from the sale of credits. An authorized bank may offer~~s~~ California tiger salamander habitat and burrowing owl credits on the same acres if authorized. These 38 acres may also accommodate the potential loss of burrowing owl and Swainson's hawk habitat.

Findings for Impact BIO-1: Mitigation Measure BIO-1a requires the applicant to hire a qualified biologist to conduct protocol level surveys to determine the presence or absence of vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander on the project site. If vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog or California tiger salamander are identified on the project site, or are assumed present due to the absence of protocol level surveys, and avoidance is not feasible, Mitigation Measure BIO-1b requires the project applicant to mitigate for the loss of habitat, and states that authorized take permits may be required by the U.S. Fish and Wildlife Service (USFWS) for incidental take of individuals that may be present. The purpose of these measures is to avoid any potential impact to vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on

biological resources, including potential impacts to vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander.

BIO-2: Project construction could result in substantial adverse impacts to burrowing owls.

Mitigation Measure BIO-2a: Protocol level burrowing owl surveys shall be conducted during the height of the breeding season (April 15 to July 15) to determine the number of both individuals and breeding pairs present on the site. Preconstruction surveys shall also be conducted for burrowing owls prior to site preparation, grading, and construction. All surveys shall conform to the survey protocol established by the California Burrowing Owl Consortium. Preconstruction surveys shall be conducted no more than 30 days prior to the initiation of construction activities and at 30-day intervals if construction activities have not been initiated in an area.

Mitigation Measure BIO-2b: For grading and construction activities occurring during the non-breeding season (September 1 through January 31), burrowing owls may be evicted from the entire construction area using passive relocation techniques. One-way doors shall be installed in all suitable burrows (approximately 4 inches in diameter), left in place for a minimum of 48 hours, and monitored daily to evaluate the exclusion of owls from burrows and to maintain the one-way doors in good repair. Burrows shall then be excavated, using hand tools. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Once excavation is completed and no owls remain on-site, burrows shall be refilled to prevent reoccupation, or the entire site shall be managed until construction activities begin.

Mitigation Measure BIO-2c: For grading and construction activities occurring during the breeding season (February 1 through August 31), a 75-meter (250-foot) radius circular buffer shall be erected around each active burrow and a qualified biologist shall monitor construction activities to ensure effectiveness of the buffer area for breeding activities. Construction-related activity (e.g., site grading, staking, surveying) shall not occur within the exclusion zone until the burrows are confirmed to be unoccupied and/or juveniles from the nest are foraging independently and capable of independent survival. Only biologists familiar with burrowing owl behavior shall be permitted to determine whether juveniles are capable of independent survival. Once the burrows are unoccupied or the young are capable of independent survival, passive relocation techniques (as described above in Mitigation Measure BIO-2a) shall be implemented to evict the owls from the burrows. Burrows shall be excavated, using hand tools, and re-filled to prevent reoccupation prior to allowing construction within the exclusion

zone. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Due to the density of the burrowing owl population on the project site, it is possible that construction activities may not be able to avoid active burrows; in this case, construction activities shall not be permitted during the breeding season.

Mitigation Measure BIO-2d: The project applicant shall comply with all take avoidance measures contained in the Staff Report on Burrowing Owl Mitigation. Compensatory mitigation for loss of burrowing owl habitat shall be consistent with CDFW mitigation guidance for burrowing owls. Prior to issuance of grading or construction permits, the project applicant shall be required to purchase and protect in perpetuity compensatory mitigation lands at a minimum of a 1:1 mitigation ratio (or a minimum mitigation ratio of 3:1 if active burrows or winter roosts are identified on-site and take cannot be avoided). Mitigation lands shall be within 210 meters of an active breeding colony at minimum and shall have an active breeding colony if burrowing owls are be evicted from the project site. Mitigation lands shall be protected in perpetuity under a conservation easement and be managed in perpetuity through an endowment with an appointed land manager. Mitigation for burrowing owls may take place on California tiger salamander, kit fox, or Swainson's hawk (grassland) habitat provided it is suitable for this species.

Findings for Impact BIO-2: Mitigation Measure BIO-2a requires the applicant to hire a qualified biologist to conduct protocol level surveys during the height of the breeding season (April 15 to July 15) to determine the number of both individuals and breeding pairs or burrowing owls present on the site. For grading and construction activities occurring during the non-breeding season (September 1 through January 31), Mitigation Measure BIO-2b states that burrowing owls may be evicted from the entire construction area using passive relocation techniques, as outlined in the measure. For grading and construction activities occurring during the breeding season (February 1 through August 31), Mitigation Measure BIO-2c requires that a 75-meter (250-foot) radius circular buffer be erected around each active burrow and that a qualified biologist monitor construction activities to ensure effectiveness of the buffer area for breeding activities. Further, construction-related activity (e.g., site grading, staking, surveying) shall not occur within the exclusion zone until the burrows are confirmed to be unoccupied and/or juveniles from the nest are foraging independently and capable of independent survival. Once the burrows are unoccupied or the young are capable of independent survival, passive relocation techniques (as described above in Mitigation Measure BIO-2a) shall be implemented to evict the owls from the burrows. If burrowing owls are removed at the project site, Mitigation Measures BIO-2d requires that these removals, and any required compensatory mitigation, conform to the requirements of CDFG's Staff Report on Burrowing Owl Mitigation, as outlined in the measure. The purpose of these measures is to avoid any potential impact to burrowing owls and preserve habitat. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project

which mitigate or avoid the potentially significant impact on biological resources, including potential impacts to burrowing owls.

BIO-3: Project construction could result in substantial adverse impacts to San Joaquin kit fox.

Mitigation Measure BIO-3a: Pre-construction surveys for kit fox dens shall be conducted by a qualified biologist no less than 14 days or more than 30 days prior to any grading or construction activities on the project site. If an active den is detected within (or immediately adjacent to) the construction area, the USFWS shall be immediately contacted to determine the best course of action. If no kit fox activity is detected, a written report shall be submitted to the USFWS within 5 days of survey completion.

Mitigation Measure BIO-3b: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall follow the USFWS's Standardized Recommendations for Protection of the Kit Fox Prior to or During Ground Disturbance throughout the construction period.

Mitigation Measure BIO-3c: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall mitigate for the loss of San Joaquin Kit Fox habitat at a mitigation to loss ratio of 3:1 (114 acres). The project applicant shall obtain Incidental Take Permits (ITPs) from CDFW and the USFW and shall provide evidence of compliance with the permits to the City prior to project implementation. Issuance of a CESA Permit is subject to CEQA documentation; therefore, the CEQA document should specify impacts, mitigation measures, and fully describe a mitigation, monitoring and reporting program. These 114 acres may also accommodate the potential loss of estivation habitat for California tiger salamander, and grassland habitats for and burrowing owl, California tiger salamander, and Swainson's hawk habitat, as applicable. An equivalent number of credits at a mitigation bank approved for grassland species may be substituted for purchase of land provided the purchase is approved by the City, CDFW, and USFWS.

Findings for Impact BIO-3: Mitigation Measure BIO-3a requires the applicant to hire a qualified biologist to conduct pre-construction surveys for San Joaquin kit fox dens no less than 14 days or more than 30 days prior to any grading or construction activities on the project site. If active dens are identified within (or immediately adjacent to) the construction area, Mitigation Measure BIO-3b requires the project applicant to follow the USFWS's Standardized Recommendations for Protection of the Kit Fox Prior to or During Ground Disturbance, as described in the Biological Evaluation, throughout the construction period. If active dens are identified within (or immediately adjacent to) the construction area, Mitigation Measure BIO-3c requires the project applicant to mitigate for the loss of San Joaquin kit fox habitat at a mitigation to loss ratio of 3:1 (114 acres). The purpose of these measures is to avoid any potential impact to San Joaquin kit fox. Implementation of the identified mitigation measure would reduce the impact to a less-than-

significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on biological resources, including potential impacts to San Joaquin kit fox.

BIO-4: Mismanagement of off-site mitigation lands would result in the loss of habitat for special status species.

Mitigation Measure BIO-4: If mitigation lands are purchased through conservation easements or in fee-title, the project applicant shall implement the Resource Management Plan prepared for the proposed project. The plan shall include a monitoring protocol for the listed species, performance criteria to document success of the mitigation, and identification of the funding mechanism for plan implementation.

Findings for Impact BIO-4: If mitigation lands are purchased through conservation easements or in fee-title, Mitigation Measure BIO-4 requires the project applicant to implement the Resource Management Plan prepared for the proposed project. The purpose of this measure is to avoid any potential impacts due to mismanagement of off-site mitigation lands. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on biological resources, including potential impacts due to mismanagement of off-site mitigation lands.

BIO-5: Project construction would result in the removal of suitable habitat for Swainson's hawk, Loggerhead shrike, and white-tailed kite.

Mitigation Measure BIO-5a: The proposed project shall avoid any construction activities that result in vegetation removal, including grading and other ground-disturbing activities, during the bird nesting season (February 1 through August 31). If construction activities are scheduled during the nesting season, the project applicant shall retain a qualified biologist to conduct a pre-construction survey of all suitable nesting habitat (i.e., field, trees) within 250 feet of the project site (where accessible). The pre-construction survey shall be conducted no more than 5 days prior to the start of work. If the survey indicates the presence of nesting birds, protective buffer zones should be established around the nests as follows: for raptor nests, the size of the buffer zone should be a 250-foot radius centered on the nest; for other birds, the size of the buffer zone should be a 50- to 100-foot radius centered on the nest. In some cases, these buffers may be increased or decreased depending on the bird species and the level of disturbance that will occur near the nest.

If there is a pause in construction activities of 7 days or more during the nesting season, an additional nesting bird survey shall

be conducted to ensure that there are no new nests that require buffering.

Mitigation Measure BIO-5b: Prior to the initiation of construction activities, the project applicant should have a qualified biologist conduct surveys for Swainson's hawk in accordance with the Swainson's Hawk Technical Advisory Committee's (TAC) Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (2000). If an active nest is identified, a 0.25-mile protective buffer shall be maintained around the nest until the young fledge. If the 0.25-mile buffer must be reduced the project applicant shall obtain a California Endangered Species Act (CESA) ITP prior to ground disturbance.

If Swainson's hawk activity (foraging, not just nests) is identified on or within 0.25 mile of the project site, the project applicant shall mitigate for the permanent loss of foraging habitat at a minimum of a 1:1 mitigation ratio (mitigation:loss). Mitigation lands should be protected in perpetuity under a conservation easement and be managed in perpetuity through an endowment with an appointed land manager. A comprehensive plan should be prepared to specify how the mitigation land will be managed, funded, and monitored. The easement should be held by a governmental entity, special district, non-profit organization, for-profit entity, person, or another entity to hold title to and manage the property. Mitigation for Swainson's hawk may take place on California tiger salamander, burrowing owl, or kit fox habitat provided it is suitable for this species.

Findings for Impact BIO-5: Mitigation Measure BIO-5a requires the project applicant to, if feasible, conduct vegetation removal activities during the non-nesting season, or have a qualified biologist conduct a preconstruction survey for all suitable nesting habitat within 250 feet of the project site, no more than 5 days prior to the start of work. If any active nests or roosts are found, additional avoidance actions are required, as outlined in the measures. The purpose of this measure is to avoid any potential impact to nesting Swainson's hawk, loggerhead shrikes, nesting white-tailed kites, and other native birds protected under the California Fish and Game Code and/or federal Migratory Bird Treaty Act. Mitigation Measure BIO-5b requires compensatory mitigation for the loss of Swainson's hawk foraging habitat, if hawk activity is identified on the project site. Implementation of the identified mitigation measures would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on biological resources, including potential impacts to nesting birds.

BIO-6: Construction and operation of the proposed project would result in incidental take of federal and State listed species.

Mitigation Measure BIO-6: The project applicant shall obtain the appropriate federal and State Incidental Take Permits (ITPs) authorizing incidental take of

State and federal listed species that may be killed or injured during project development. The applicant shall provide proof to the City of Antioch Community Development Department of compliance with the terms and conditions of any required permits or ITPs prior to issuance of the grading permit. All work onsite shall be in compliance with the terms and conditions of the federal and State permits.

Findings for Impact BIO-6: Mitigation Measure BIO-6 requires the project applicant to obtain the appropriate State and federal permits from the CDFW and USFWS for incidental take of protected species. The permits would specify the avoidance measures and compensatory mitigation required by Mitigation Measures BIO-1 through BIO-5. Implementation of the identified mitigation measures would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on biological resources, including potential impacts to special status species.

Cultural Resources

CULT-1: Project construction activities could cause a substantial adverse change in the significance of an archaeological resource.

Mitigation Measure CULT-1: If deposits of prehistoric or historic archaeological materials are encountered during project activities, all work within 25 feet of the discovery shall be redirected and a qualified archeologist shall be contacted to assess the deposit finds and make recommendations.

While deposits of prehistoric or historic archeological materials should be avoided by project activities, if the deposits cannot be avoided, they shall be evaluated for their California Register eligibility. If the deposits are not eligible for the California Register, avoidance is not necessary. If the deposits are eligible for the California Register, they shall be avoided. If avoidance is not feasible, project impacts shall be mitigated in accordance with the recommendations of the evaluating archaeologist and CEQA Guidelines Section 15126.4 (b)(3)(C), which requires implementation of a data recovery plan and avoidance of human remains. Upon completion of the archaeologist's assessment, the archaeologist shall prepare a report documenting the methods and results and provide recommendations for the treatment of the discovered archaeological materials. The report shall be submitted to the project applicant, the City of Antioch, and the Northwest Information Center (NWIC).

Findings for Impact CULT-1: If deposits of prehistoric or historic archaeological materials are encountered during project activities, Mitigation Measure CULT-1 requires the project applicant to retain a qualified archaeologist to assess the deposit finds and make recommendations. If deposits cannot be avoided, further measures are required, as outlined in the mitigation measure. The purpose of this measure is to avoid destroying a unique prehistoric or historic archaeological resource or site. Implementation of the identified mitigation measure would

reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on prehistoric or historic archaeological resources that could be located within the project site.

CULT-2: Project construction activities could disturb human remains, including those interred outside of formal cemeteries.

Mitigation Measure CULT-2: If human remains are encountered, work within 25 feet of the discovery shall be redirected and the Contra Costa County Coroner notified immediately. At the same time, an archaeologist shall be contacted to assess the situation and consult with the appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

Findings for Impact CUL-2: Mitigation Measure CULT-2 requires the project applicant to contact the Contra Costa Coroner immediately upon discovery of human remains, and an archaeologist contacted to assess the situation and consult with appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission. The purpose of this measure is to avoid potential adverse effects to human remains and tribal cultural resources. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact related to disturbance of human remains, including potential impacts to Native American human remains.

3.2.5 Geology and Soils

GEO-1: Project construction activities could cause seismic-related ground failure.

Mitigation Measure GEO-1: Project design and construction shall be in conformance with, or exceed, current best standards for earthquake resistant construction in accordance with the California Building Code (Seismic Zone 4), applicable local codes, and in accordance with the generally accepted standards of geotechnical practice for seismic design in Northern California. In addition, project design shall follow the recommendations of a site-specific design level geotechnical investigation report to be prepared by a Certified Engineering Geologist or Geotechnical Engineer. The City Engineer shall approve all final design and engineering plans.

Findings for Impact GEO-1: Mitigation Measure GEO-1 requires project design and construction to conform with or exceed current best standards for earthquake resistant

construction in accordance with the California Building Code and applicable local codes, and to follow recommendations of a site-specific design level geotechnical investigation report prepared by a Certified Engineering Geologist or Geotechnical Engineer. The purpose of this measure is to avoid seismic-related ground failure. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact related to geology and soils including seismic-related ground failure.

GEO-2: Project construction activities could result in caving at excavations and trenches and differential settlement.

Mitigation Measure GEO-2: The applicant shall ensure that the requirements for worker health and safety as specified by the California Division of Occupational Safety and Health (DOSH) (which acts to protect workers from safety hazards through its California OSHA (Cal/OSHA)) are implemented. In particular, due to the caving proclivity of the soil types of the project site, shoring requirements for workers dealing with work in excavations, as specified in the California Code of Regulations, Title 8, Section 1540 et. al., Excavations, shall be observed. This article applies to all open excavations made in the earth's surface (including trenches).

Mitigation Measure GEO-3: The applicant shall incorporate all recommendations of a final site-specific design-level geotechnical investigation as prepared by a licensed Geotechnical Engineer and approved by the City of Antioch into all development plans submitted for the project, including recommendations for grading, placement of fill materials, pretreatment of expansive soils, and avoidance of settlement and/or differential settlement of infrastructure and buildings.

Findings for Impact GEO-2: Mitigation Measure GEO-2 requires observation of worker health and safety requirements, particularly shoring requirements for workers dealing with work in excavations. Mitigation Measure GEO-3 requires the project applicant to incorporate all recommendations of a final site-specific design-level geotechnical investigation as prepared by a licensed Geotechnical Engineer and approved by the City of Antioch into all development plans submitted for the project. The purpose of this measure is to avoid caving at excavations and trenches and differential settlement. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact related to geology and soils including caving at excavations and trenches and differential settlement.

GEO-4: Project construction activities could disturb unique paleontological resources.

Mitigation Measure GEO-4: If paleontological resources are encountered during site preparation or grading activities, all work within 25 feet of the discovery shall be redirected until a qualified paleontologist has

assessed the discoveries and made recommendations. If the paleontological resources are found to be significant, adverse effects to such resources shall be avoided by project activities. If project activities cannot avoid the resources, the adverse effects shall be mitigated. Mitigation shall include data recovery and analysis, preparation of a final report, and the formal transmission or delivery of any fossil material recovered to a paleontological repository, such as the University of California Museum of Paleontology (UCMP). Upon completion of project activities, a final report documenting methods and findings of the mitigation shall be prepared and submitted to the project applicant, the City of Antioch, and a suitable paleontological repository.

Findings for Impact GEO-4: If paleontological resources are encountered during site preparation or grading activities, Mitigation Measure CUL-2 requires the project applicant to retain a qualified paleontologist to assess the discoveries and make recommendations. The purpose of this measure is to avoid destroying a unique paleontological resource or site. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on paleontological resources that could be located within the project site.

3.2.6 Greenhouse Gas Emissions

GHG-1: The proposed project would generate greenhouse gas emissions (GHGs) during both the construction and operation periods.

Mitigation Measure AIR-1: In order to meet the Bay Area Air Quality Management District (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 mph.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible.

- Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.

- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

- All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.

- A publicly visible sign shall be posted with the telephone number and person to contact at the City of Antioch regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

Findings for Impact GHG-1: Mitigation Measure AIR-1 requires the construction contractor reduce the amount of construction vehicle idling and also requires the use of properly maintained equipment. The purpose of this measure is to avoid any potential impact due to fugitive dust emissions during construction and therefore greenhouse gas emissions. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact related to greenhouse gas emissions.

3.2.7 Hazards and Hazardous Materials

HAZ-1: Project construction activities could release hazardous materials into the environment.

Mitigation Measure HAZ-1: Prior to the issuance of grading or construction permits for the project site, a qualified environmental professional shall conduct an environmental investigation at the project site in accordance with California Department of Toxic Substances Control (DTSC) Interim Guidance for Sampling Former Agricultural Fields (Interim Guidance). As specified in the Interim Guidance, any detected organic compounds or metals above naturally occurring concentrations must be evaluated in a risk assessment, and additional remedial action such as soils removal may be required, depending on the results of the environmental investigation and risk assessment. The investigation report and certification that required further actions have been completed shall be submitted to the City of Antioch for review and approval.

Findings for Impact HAZ-1: Mitigation Measure HAZ-1 requires the project applicant to hire a qualified environmental professional to conduct an environmental investigation at the project site in accordance with California Department of Toxic Substances Control (DTSC) Interim Guidance for Sampling Former Agricultural Fields (Interim Guidance). The investigation report and certification that required further actions have been completed shall be submitted to the City of Antioch for review and approval. The purpose of this measure is to avoid the release of lead, asbestos, PCBs, and other hazardous materials into the environment. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact related to hazardous materials, including potential impacts related to the release of lead, asbestos, PCBs, and other hazardous materials.

HAZ-2: Project construction activities could expose construction workers and the public to hazardous materials, including from nearby pipelines.

Mitigation Measure HAZ-2: Prior to the issuance of grading or construction permits for the project site, a Construction Risk Management Plan (CRMP) should be prepared to address potential hazardous material issues during construction of the project. The CRMP should include any available data from sampling conducted for the project, including the sampling specified in Mitigation Measure HAZ-1. The CRMP shall include provisions to protect construction workers and the nearby public from health risks from pipeline hazards and potential historic releases associated with oil and natural gas production in the project vicinity.

The CRMP shall incorporate Best Practices defined by the Common Ground Alliance to protect construction worker safety and prevent accidental releases from oil and natural gas pipelines. The CRMP shall also require site inspections during initial grading activities at the site; provide procedures to be undertaken in the event that previously unreported petroleum contamination or subsurface hazards are discovered during construction; incorporate construction safety measures for excavation and other construction activities; establish detailed procedures for the safe storage, stockpiling, use, and disposal of hazardous materials at the project site; provide emergency response procedures; and designate personnel responsible for implementation of the CRMP. The CRMP shall be submitted to the City of Antioch for review and approval.

Findings for Impact HAZ-2: Mitigation Measure HAZ-2 requires the project applicant to prepare a Construction Risk Management Plan (CRMP). The purpose of this measure is to protect construction workers, the public, and the environment from hazardous materials, including risks from pipeline hazards and potential historic releases associated with oil and natural gas production in the project vicinity. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission

recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on hazards materials, including potential impacts to construction workers, the public, and the environment.

3.2.8 Hydrology and Water Quality

HYD-1: Project construction activities could result in pollutants being released into surface waters.

Mitigation Measure HYD-1a: The project proponent shall prepare a SWPPP designed to reduce potential impacts to surface water quality through the project construction period. The SWPPP must be maintained on-site and made available to City inspectors and/or Regional Water Quality Control Board (RWQCB) staff upon request. The SWPPP shall include specific and detailed BMPs designed to mitigate construction-related pollutants. At minimum, BMPs shall include practices to minimize the contact of construction materials, equipment, and maintenance supplies (e.g., fuels, lubricants, paints, solvents, adhesives) with stormwater. The SWPPP shall specify properly designed centralized storage areas that keep these materials out of the rain.

An important component of the stormwater quality protection effort is the knowledge of the site supervisors and workers. To educate on-site personnel and maintain awareness of the importance of stormwater quality protection, site supervisors shall conduct regular tailgate meetings to discuss pollution prevention. The frequency of the meetings and required personnel attendance list shall be specified in the SWPPP.

The SWPPP shall specify a monitoring program to be implemented by the construction site supervisor, which must include both dry and wet weather inspections. RWQCB and /or City personnel, who may make unannounced site inspections, are empowered to levy considerable fines if it is determined that the SWPPP has not been properly prepared and implemented.

BMPs designed to reduce erosion of exposed soil may include, but are not limited to: soil stabilization controls, watering for dust control, perimeter silt fences, placement of hay bales, and sediment basins. The potential for erosion is generally increased if grading is performed during the rainy season as disturbed soil can be exposed to rainfall and storm runoff. If grading must be conducted during the rainy season, the primary BMPs selected shall focus on erosion control; that is, keeping sediment on the site. End-of-pipe sediment control measures (e.g., basins and traps) shall be used only as secondary measures. Entry and egress from the construction site shall be carefully controlled to minimize off-site tracking of sediment. Vehicle and equipment wash-down facilities shall be designed to be accessible and

functional during both dry and wet conditions. The City of Antioch Community Development Department shall review and approve the SWPPP prior to approval of the grading plan.

Findings for Impact HYD-1: Mitigation Measure HYD-1a requires the project applicant to prepare a Storm Water Pollution Prevention Plan (SWPPP). The purpose of this measure is to prevent release of pollutants into surface waters during construction. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impacts to water quality, including the release of pollutants into surface waters during construction.

HYD-2: Project operation could result in the release of pollutants into the City's storm drain system.

Mitigation Measure HYD-1b: The project applicant shall design Best Management Practices into the project to reduce potential impacts to surface water quality associated with operation of the project. These features shall be included in the final development drawings. Specifically, the final design shall include measures designed to mitigate potential water quality degradation of runoff from all portions of the completed development, and to detain and treat 75 percent of the runoff from a major storm event. The design team for the development project shall review and incorporate as many concepts as practicable from Start at the Source, Design Guidance Manual for Stormwater Quality Protection.

Mitigation Measure HYD-2: The City of Antioch Community Development Department shall review and approve the design-level stormwater control plan prior to approval of the grading plan. If it is determined by the City that the stormwater control plan for the proposed project does not include adequate measures to treat runoff to the maximum extent practicable in compliance with the County NPDES permit, then the applicant shall work closely with the City to revise the stormwater control plan so that the Maximum Extent Practical (MEP) requirement is achieved.

Findings for Impact HYD-2: Mitigation Measure HYD-1b requires the project applicant to design Best Management Practices into the project aimed at reducing operational impacts to surface water quality. Mitigation Measure HYD-2 requires the City to review and approve the design-level stormwater control plan prior to approval of the grading plan. The purpose of these measures is to avoid and prevent the release of pollutants into the City's storm drain system. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the

potentially significant impact to water quality, including the release of pollutants into the City's storm drain system during operation.

HYD-3: Project implementation could result in a lack of capacity in the City's storm drain system.

Mitigation Measure HYD-3: As a condition of approval of the final grading and drainage plans for the project, the project applicant shall demonstrate through detailed hydraulic analysis that implementation of the proposed drainage plans will not create potential hydromodification impacts downstream by implementing the following:

- The project applicant's licensed professional engineer shall work cooperatively with the City of Antioch and the RWQCB to incorporate BMPs into the final drainage plan that will result in a post-project runoff curve (i.e., storm water flow/duration graphs) that closely resembles the pre-project curve;
- Include drainage components that are designed in compliance with City of Antioch standards. The grading and drainage plans shall be reviewed for compliance with these requirements by the City of Antioch; and
- The project applicant shall establish a self-perpetuating drainage system maintenance program (to be managed by a homeowner association or similar entity) that includes annual inspections of detention basins, sedimentation basins, drainage ditches, swales, and drainage inlets. Any accumulation of sediment or other debris shall be promptly removed and necessary maintenance to insure continued efficient operation shall be performed.

Findings for Impact HYD-3: Mitigation Measure HYD-3 requires the project applicant to prepare a detailed hydraulic analysis that will demonstrate that implementation of the proposed drainage plans will not create potential hydromodification impacts downstream. The purpose of this measure is to prevent capacity-reducing impacts to the City's storm drain system. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact to water quality, including the potential to result in a lack of capacity in the City's storm drain system.

HYD-4: Project implementation could result in off-site flooding impacts.

Mitigation Measure HYD-4: The project applicant's licensed professional engineer shall analyze the potential for the project to contribute to downstream flooding impacts. The final drainage plan shall include a design that, when implemented, would not increase peak flows or exacerbate downstream flooding. Properly implemented

hydrograph modification mitigation (required under Mitigation Measure HYD-3) will also mitigate the potential for impacting downstream flooding impacts.

Findings for Impact HYD-4: Mitigation Measure HYD-4 requires the project applicant's licensed professional engineer to analyze the potential for the project to contribute to downstream flooding impacts. The purpose of this measure is to prevent off-site flooding impacts resulting from the proposed project. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact to water quality, including the potential to result in off-site flooding impacts.

HYD-5: Project implementation would contribute to the degradation of regional drainage infrastructure.

Mitigation Measure HYD-5: As required by Ordinance 90-74, the applicant shall contribute to the construction and maintenance of regional drainage infrastructure by paying applicable fees associated with the amount of new impervious cover proposed by the project.

Findings for Impact HYD-5: Mitigation Measure HYD-5 requires the project applicant to contribute to the construction and maintenance of regional drainage infrastructure by paying applicable fees associated with the amount of new impervious cover proposed by the project. The purpose of this measure is to reduce the proposed project's contribution to the degradation of regional drainage infrastructure. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact to water quality, including the potential to contribute to the degradation of regional drainage infrastructure.

3.2.9 Noise

NOI-1: Project construction activities could generate a substantial temporary increase in ambient noise levels in the vicinity of the project in excess of established standards.

Mitigation Measure Noise-1a: The project contractor ensure that all construction related activities are restricted to the hours of 7:00 a.m. to 6:00 p.m. on weekdays, within 300 feet of occupied dwelling spaces between 8:00 a.m. and 5:00 p.m. on weekends, and between 9:00 a.m. and 5:00 p.m. on weekends and holidays, irrespective of the distance from the occupied dwelling.

Mitigation Measure NOI-1b: During all project site excavation and on-site grading, the construction contractor shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.

Mitigation Measure NOI-1c: The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.

Mitigation Measure NOI-1d: The construction contractor shall locate equipment staging in areas that will create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the project site during all project construction.

Mitigation Measure NOI-1e: The construction contractor shall use temporary noise attenuation fences at least 6 feet in height to protect all sensitive receptors along the project site's northern property line that are not currently protected by a sound wall of at least 6 feet in height. Noise attenuation fencing shall consist of a solid, continuous fence (with no horizontal or vertical gaps) at least 6 feet in height and of equivalent mass as that of solid wood fencing boards (e.g., made of plywood of at least ¾ inch thickness).

Findings for Impact NOI-1: Mitigation Measures NOI-1a through 1e require the project applicant to comply with the City's noise ordinance, including restrictions on construction activity during certain days and hours, requirements to install and operate mufflers for all construction equipment, specifications about stationary equipment placement and equipment staging area locations, and requirements for the use of temporary noise attenuation fences. The purpose of this measure is to reduce any substantial temporary increase in ambient noise levels in the vicinity of the project in excess of established standards. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact associated with increased ambient noise levels related to construction.

NOI-2: Project implementation could expose residents to excessive noise levels.

Mitigation Measure Noise-2a: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall be constructed along the project property line bordering Deer Valley Road. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.

Mitigation Measure Noise-2b: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall also be constructed along the project property line bordering Wellness Way. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.

Findings for Impact NOI-2: Mitigation Measure NOI-2a and Mitigation Measure NOI-2b require the project proponent to construct sound walls along the project property line bordering Deer Valley Road and along the project property line bordering Wellness Way. The purpose of this

measure is to reduce exposure of residents to excessive noise levels. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant noise impacts, including potential impacts related to exposure of residents to excessive noise levels related to traffic on Deer Valley Road and on Wellness Way.

3.2.10 Tribal Cultural Resources

TCR-1: Project construction activities could cause a substantial adverse change in the significance of a tribal cultural resource, including disturbance of previously undiscovered human remains, including those interred outside of formal cemeteries.

Mitigation Measure CULT-1: If deposits of prehistoric or historic archaeological materials are encountered during project activities, all work within 25 feet of the discovery shall be redirected and a qualified archeologist shall be contacted to assess the deposit finds and make recommendations.

While deposits of prehistoric or historic archeological materials should be avoided by project activities, if the deposits cannot be avoided, they shall be evaluated for their California Register eligibility. If the deposits are not eligible for the California Register, avoidance is not necessary. If the deposits are eligible for the California Register, they shall be avoided. If avoidance is not feasible, project impacts shall be mitigated in accordance with the recommendations of the evaluating archaeologist and CEQA Guidelines Section 15126.4 (b)(3)(C), which requires implementation of a data recovery plan and avoidance of human remains. Upon completion of the archaeologist's assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the discovered archaeological materials. The report shall be submitted to the project applicant, the City of Antioch, and the Northwest Information Center (NWIC).

Mitigation Measure CULT-2: If human remains are encountered, work within 25 feet of the discovery shall be redirected and the Contra Costa County Coroner notified immediately. At the same time, an archaeologist shall be contacted to assess the situation and consult with the appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

Findings for Impact TRC-1: If deposits of prehistoric or historic archaeological materials are encountered during project activities, Mitigation Measure CULT-1 requires the project applicant

to retain a qualified archaeologist to assess the deposit finds and make recommendations. Mitigation Measure CULT-2 requires the project applicant to contact the Contra Costa Coroner immediately upon discovery of human remains, and an archaeologist contacted to assess the situation and consult with appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission. The purpose of these measures are to avoid potential adverse effects to human remains and tribal cultural resources. Implementation of the identified mitigation measure would reduce the impact to a less-than-significant level. Pursuant to Public Resources Code Section 21081(a)(1) and CEQA Guidelines Section 15091(a)(1), the Planning Commission recommends the City Council find that changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the potentially significant impact on tribal cultural resources, including potential impacts to Native American human remains.

3.3 ENVIRONMENTAL EFFECTS FOUND TO BE LESS THAN SIGNIFICANT

This section identifies impacts of the project that are less than significant and do not require mitigation measures. Based on information in the Final EIR, the Planning Commission recommends the City Council find that based upon substantial evidence in the record, the following impacts have been determined to be less than significant: growth inducement: significant irreversible changes; agriculture and forestry resources; energy; land use and planning; mineral resources; population and housing; public services; recreation; utilities and service systems; and wildfire.

3.3.1 Growth Inducement

A project is considered growth-inducing if it would directly or indirectly foster substantial economic or population growth or the construction of additional housing, either directly or indirectly, in the surrounding environment. Examples of projects likely to have significant growth-inducing impacts include extensions or expansions of infrastructure systems beyond what is needed to serve project-specific demand, and development of new residential subdivisions or industrial parks in areas that are only sparsely developed or are underdeveloped. Typically, development projects on sites that are designated for development and surrounded by existing suburban uses are not considered adversely growth-inducing because growth in areas that already have development and infrastructure available to serve new development are generally considered environmentally beneficial.

Implementation of the proposed Deer Valley Estates Project would result in direct population growth within Antioch and specifically within the Sand Creek Focus Area through the construction of 121 dwelling units. As discussed in Section 4.14, Population and Housing, of the Initial Study (Appendix B of the Draft EIR), the proposed project could increase the local population by approximately 372 persons. This growth would account for approximately 3 percent of the population growth anticipated under the General Plan buildout of the Sand Creek Focus Area and evaluated in the Initial Study. Furthermore, this growth accounts for less than 1 percent of the projected and planned for growth within Antioch. As such, the proposed project would neither directly or indirectly lead to substantial or unforeseen economic or population growth, but would instead contribute to the anticipated local and regional housing supply.

Additionally, the project site is located immediately south of and adjacent to existing residential development and immediately north of the Kaiser Permanente Antioch Medical Center (Kaiser

Medical Center); the Aviano Farms Project[3] is currently under construction to the east. The proposed project would not require the extension of utilities or roads into undeveloped areas that are not planned for the expansion of infrastructure or directly or indirectly lead to development of greenfield sites that are not planned for development. Due to the location of the project site, the presence of existing uses in the vicinity of the site, and consistency with proposed development within the Sand Creek Focus Area, development of the proposed project would not induce unplanned growth in the area. Therefore, the growth that would occur as a result of the proposed project would not be substantial or adverse.

3.3.2 Significant Irreversible Changes

CEQA requires an assessment of whether the proposed project would result in significant irreversible changes to the physical environment. The State CEQA Guidelines discuss three categories of significant irreversible changes that should be considered. Each is addressed below.

3.3.2.1 Changes in Land Use Which Commit Future Generations

The project site is located within the Sand Creek Focus Area of Antioch and is generally surrounded by residential and medical uses. The approximately 37.56-acre project site is currently undeveloped; however, construction of the proposed project would occur on land that is designated for urban uses. Additionally, the proposed project would be consistent with existing zoning for the site, which is Planned Development (P-D). In the future, the site could be rezoned, in which case, at the end of the useful life of the proposed project, the use could change. Therefore, the proposed project would not commit future generations to a significant change in land use.

3.3.2.2 Irreversible Damage from Environmental Accidents

No significant environmental damage, such as accidental spills or explosion of a hazardous material, is anticipated to occur with development of the proposed project. As described in Section 4.9, Hazards and Hazardous Materials, of the Initial Study (Appendix B of the Draft EIR), the Phase I Environmental Site Assessment (ESA) prepared for the project site identified potential environmental concerns associated with the site's past agricultural uses, contamination from nearby or unmapped oil/natural gas wells in the vicinity, and potential damage to pipelines in the vicinity of the project site. However, the Initial Study determined that implementation of Mitigation Measures HAZ-1 and HAZ-2 would reduce this impact to a less-than-significant level through preconstruction environmental investigations for hazardous materials and the preparation of a Construction Risk Management Plan. No irreversible changes—such as those that might result from construction of a large-scale mining project, a hydroelectric dam project, or other institutional project—would result from development of the proposed project.

3.3.2.3 Consumption of Nonrenewable Resources

Consumption of nonrenewable resources includes increased energy consumption, conversion of agricultural lands, and lost access to mining reserves. As discussed in Section 4.2 of the Initial Study (Appendix B of the Draft EIR), the State Department of Conservation designates the site as "Farmland of Local Importance," which includes land of importance to the local agricultural economy, as determined by each county's board of supervisors and a local advisory

[3] The Aviano Farms Project, which was approved by the Antioch City Council on September 8, 2015, consists of approximately 553 one- to two-story single-family detached homes.

committee. However, the project site is not currently in agricultural production, and although it previously been used for seasonal cattle grazing, it has not been used for grazing for at least the last 2 years. Therefore, no existing agricultural lands would be converted to nonagricultural uses. In addition, as discussed in Section 4.12 of the Initial Study (Appendix B of the Draft EIR), the project site does not contain known mineral resources and does not serve as a mining reserve; thus, development of the proposed project would not result in the loss of access to mining reserves. Please refer to the Initial Study included in Appendix B of the Draft EIR for a discussion of impacts related to agricultural and mining resources.

Construction of the proposed project would require the use of energy, including energy produced from nonrenewable resources. Energy consumption would also occur during the operational period of the proposed project. The proposed project is expected to be relatively energy efficient and would incorporate green building measures in compliance with the latest California Green Building Standards Code (CALGreen) standard building measures for residential buildings and Title 24 requirements. As discussed in Section 4.6, Energy, of the Initial Study (Appendix B of the Draft EIR), the proposed project would not result in the wasteful, inefficient, or unnecessary consumption of fuel or energy and would incorporate renewable energy or energy efficiency measures into building design, equipment use, and transportation. Implementation of Mitigation Measure AIR-1, as identified in Section 4.3, Air Quality, would increase energy efficiency on the site during project construction by restricting equipment idling times to 5 minutes or less and requiring construction workers to shut off idle equipment. Energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the State's available energy sources. Therefore, the proposed project would not result in a significant impact associated with the consumption of nonrenewable resources.

3.3.3 Agriculture and Forestry Resources

The proposed project would have no impacts related to agriculture and forestry resources. The project site is located within the P-D zoning district and is classified as "Farmland of Local Importance" by the State Department of Conservation.[4] Although the project site had previously been used for seasonal cattle grazing, it has not been used for grazing for at least the last 2 years. The project site is not used for agricultural production, nor does it support forestry resources

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, there would be no project impacts related to agriculture and forestry resources and no mitigation measures are required.

3.3.4 Energy

Energy usage on the project site during construction would be temporary in nature. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the State's available energy sources, and energy impacts would be negligible at the regional level. Because California's energy conservation planning actions are conducted at a regional level and because the proposed project's total impact to regional energy supplies would be minor, the proposed project would not conflict with California's energy conservation plans as described in the 2019 Integrated Energy Policy Report. Additionally, the proposed

[4] California Department of Conservation. 2016. California Important Farmland Finder (map). Website: maps.conservation.ca.gov/dlrp/ciff (accessed December 2020).

project would be constructed to CALGreen standards, which would help to reduce energy and natural gas consumption. The proposed project would avoid or reduce the inefficient, wasteful, and unnecessary consumption of energy and not result in any irreversible or irretrievable commitments of energy. Therefore, potential impacts related to energy use would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact on the consumption of energy resources is less than significant and no mitigation measures are required.

3.3.5 Land Use and Planning

The proposed project would not create any physical barriers to travel in the vicinity of the project site. The proposed project would include the development of single-family residential uses on an undeveloped site surrounded by existing and under-construction residential uses, vacant land, and healthcare uses. The proposed project would include new connections to Piute Way, Mojave Way, and Oneida Way and therefore would increase opportunities for vehicular and pedestrian access in the area. Therefore, the proposed project would not physically divide an established community.

The proposed project would be consistent with the City of Antioch General Plan as it would include a density of approximately 3.2 dwelling units per net acre, where the maximum is 4 dwelling units per acre for the Low-Density Residential designation. The project site is located within the P-D zoning district, which is intended to encourage a wider variety of densities, product types, and setbacks than would otherwise be possible under conventional residential zoning. The proposed project would be consistent with the development standards in the P-D district, including the maximum density and maximum number of units, minimum lot size, landscape and open space requirements, architectural guidelines, maximum building heights, and lot coverage. As noted throughout the Initial Study and this Final EIR, the proposed project would generally not conflict with land use plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, impacts related to land use and planning for CEQA purposes would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to land use and planning is less than significant and no mitigation measures are required.

3.3.6 Mineral Resources

The project site located within the outer margins of the Brentwood oil field. However, given the marginal economic viability of the Brentwood oil field, development of the site would not result in the loss of availability of a known mineral resource of value. The project site also contains two wells that are no longer in use but are not abandoned to current California Department of Conservation Division of Oil, Gas, and Geothermal Resources requirements. However, the project sponsor would be required to bring the abandonment of these wells into compliance as a part of the proposed project. Therefore, impacts related to mineral resources would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to mineral resources is less than significant and no mitigation measures are required.

3.3.7 Population and Housing

The proposed project would not result in substantial unplanned for growth in the area, as the project would contribute to the overall number of housing units as contemplated under the General Plan buildout of the Sand Creek Focus Area, which includes residential among its allowable uses. Based on the City's current average household size of 3.07 persons,[5] the proposed project would increase the City's population by 372 persons. This growth would account for approximately 3 percent of the population growth anticipated under the General Plan buildout of the Sand Creek Focus Area and less than 1 percent of the projected and planned for growth within Antioch. The proposed project would not include the removal of any existing residential uses and therefore would not require the construction of replacement housing elsewhere. Therefore, impacts related to population and housing would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to population and housing is less than significant and no mitigation measures are required.

3.3.8 Public Services

The Contra Costa County Fire Protection District (CCCFPD) would provide adequate service to the project site, as written verification from CCCFPD is required prior to the approval of discretionary permits. In addition, the payment of the fire protection fee would ensure that any impacts related to fire protection would be less than significant.

Because the proposed project would represent less than 1 percent of the overall projected growth for Antioch, new police protection facilities would not be required to serve the site. In addition, the payment of the police impact fee and annexation of the project site into Community Facilities District No. 2018-02 (Police Protection), which requires residents to pay a special tax to fund police protection services including maintenance or upkeep of facilities, would ensure that any impacts related to police protection would be less than significant.

The proposed project would be subject to the payment of development impact fees, which under Senate Bill 50 are deemed to be full and complete mitigation for the generation of new students.

The proposed project would include private and public open space and contribute development impact fees that would address infrastructure and service needs and would not result in substantial deterioration of parks or other public facilities. Therefore, the proposed project's impacts to public services would be less than significant.

[5] United States Census Bureau. 2020. American Community Survey. Table B25010. Website: data.census.gov/cedsci (accessed October 2020).

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to public services is less than significant and no mitigation measures are required.

3.3.9 Recreation

Each lot in the proposed project would include a private backyard and a front landscaped area. In addition, a total of 1.5 acres of landscaped area, a 1.12-acre park, and an approximately 4- to 6-footwide trail would be developed. Therefore, the proposed project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration could result. Impacts associated with the development of these facilities can all be mitigated to a less than significant level with the recommended mitigation measures. Therefore, the proposed project's impacts on recreational facilities would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to recreation is less than significant and no mitigation measures are required.

3.3.10 Utilities and Service Systems

The Initial Study determined that the proposed project would be adequately served by wastewater, water, and storm water facilities and that existing water entitlements and solid waste capacity would be sufficient. Therefore, impacts to utilities and service systems would be less than significant.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project impact related to utilities and service systems is less than significant and no mitigation measures are required.

3.3.11 Wildfire

The project site is not located within a State Responsibility Area (SRA) for fire protection and is not located within a very high fire hazard severity zone. Therefore, the proposed project would have no impact related to wildfire.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, there would be no potential project impacts related to wildfire and no mitigation measures are required.

3.4 ENVIRONMENTAL IMPACTS FOUND TO BE BENEFICIAL

The Final EIR identifies the following project-specific and cumulative effects of the proposed project that are beneficial:

- Developing on a site designated for development with existing infrastructure: Growth in areas designated for development, that already have infrastructure available to serve new development, is generally considered environmentally beneficial.

Findings. The Planning Commission recommends the City Council find that, based upon substantial evidence in the record, the potential project-specific and cumulative effects of the

implementing proposed project on a site designated for development, with existing infrastructure, are beneficial and no mitigation measures are required.

4.0 FINDINGS REGARDING CONSIDERATIONS THAT MAKE ALTERNATIVES ANALYZED IN THE FINAL EIR INFEASIBLE

The analysis of alternatives to the project is found in Section 6.0 of the Final EIR. Based on the analysis and the entire record, the Planning Commission recommends the City Council find as follows:

4.1 NO PROJECT ALTERNATIVE

The "No Project" alternative, required to be evaluated in the EIR, considers "existing conditions…as well as what would be reasonably expected to occur in the foreseeable future if the project were not approved, based on current plans and consistent with available infrastructure and community services" [CEQA Guidelines Section15126.6(e)(2)].

The No Project alternative assumes that the proposed project would not be developed and that the project site would generally remain in its current condition. The project site would remain vacant and no modifications to existing site access, easements, or infrastructure would occur.

Environmental Effects: Implementation of the No Project alternative would not result in any increases in automobile, transit, bicycle, or pedestrian travel to or from the project site. Therefore, compared to the less-than-significant impacts of the proposed project, there would be no impact related to conflicts with applicable transportation-related plans, policies, and ordinances; design hazards; and emergency access. The significant and unavoidable impact related to VMT would not occur. However, the No Project alternative would also not achieve any of the objectives of the proposed project.

Relation to Proposed Project Objectives: The No Project alternative would not achieve the basic project objectives as it would not help the City of Antioch provide its fair share of housing, and help alleviate a regional housing shortage, by providing a mix of housing types and sizes, some moderately affordable, and which can meet the needs of a variety of different and growing household sizes, Provide work force housing adjacent to Deer Valley Road and next to Kaiser Permanente Antioch Medical Center enhancing the attractiveness of the community to health care workers, or implement the County's Growth Management Program by providing for urban development within the Urban Limit Line.

4.2 SENIOR HOUSING ALTERNATIVE

The Senior Housing alternative assumes that the proposed project would be developed with age-restricted units that would be available to residents ages 55 and above. This alternative assumes that lot sizes would be roughly the same as those included in the proposed project; therefore, a total of 121 units would be provided and the project would continue to include the proposed parking and landscaping amenities. Similar to the proposed project, the Senior Housing alternative would include units that would range in size from approximately 2,252 square feet to approximately 3,445 square feet. The Senior Housing alternative would not include any modifications to the site access, floor plans, or setbacks compared to the proposed project.

Environmental Effects: The Senior Housing alternative would require implementation of the same mitigation measures as those required for the proposed project (identified in Table 2.A in Chapter 2.0, Summary, of this EIR and as further detailed in Appendix B, Initial Study). The Senior Housing alternative would include a similar level of development intensity and the same number of units on the project site as compared to the proposed project and would therefore include similar construction activities and similar operations associated with residential development of the project site.

Data supports that residents of an age-restricted senior housing development typically have a lower rate of vehicle ownership, and therefore could generate fewer daily VMT per capita. However, the project site is not located in a transit-rich or amenity-rich area that would support relying solely on alternative transit. Additionally, the Senior Housing alternative would consist of single-family detached housing with ample parking available to residents, and therefore would not realize the VMT reductions that would be associated with an attached single-family or higher density age-restricted community. These communities typically include managed shuttle programs for use by residents, therefore reducing the need for a car. Therefore, the VMT for the Senior Housing alternative would be the same as under the proposed project (22.19 daily VMT per capita). The estimated average daily VMT per capita for residential uses in the region is 16.75, which would make the threshold of significance 14.24. Similar to the proposed project, an aggressive Transportation Demand Management (TDM) plan would be expected to achieve a maximum reduction in per capita VMT of 20 percent, resulting in a daily per capita VMT of 17.75. Therefore, the Senior Housing alternative would continue to have a significant and unavoidable impact related to VMT.

Relation to Proposed Project Objectives: The Senior Housing alternative would achieve most of the project objectives, although some to a lesser extent than the proposed project. In particular, objectives related to providing a project that would be consistent with applicable land use plans, consistency with existing neighborhoods, a pedestrian-friendly community, providing housing near major transportation and regional trails connections and creating a community that could accommodate senior residents would be achieved. However, objectives related to providing housing that serves a range of family incomes and household types and providing a mix of housing types and sizes would not be achieved to the same extent as the proposed project as the site would only be developed with age-restricted units. In addition, the goal of providing workforce housing adjacent to Deer Valley Road and next to the Kaiser Medical Center would not be achieved.

4.3 LARGE LOT ALTERNATIVE

Under the Large Lot alternative, the project site would be developed with large-lot single-family residential uses. This alternative assumes that lot sizes on the project site would be an average of 18,000 square feet and would not exceed 20,000 square feet per lot, for a maximum of 57 lots/residential units on the project site. The Large Lot alternative would include a smaller park and a smaller landscaped area as compared to the proposed project, while units would increase in size from a maximum of approximately 3,445 square feet to a maximum of approximately 4,000 square feet. Minor modifications to the site access and setbacks would be required.

Environmental Effects: The Large Lot alternative would require implementation of the same mitigation measures as those required for the proposed project (identified in Table 2.A in Chapter 2.0, Summary, of this Final EIR and as further detailed in the Initial Study, found in Appendix B of the Draft EIR) as the Large Lot alternative would also include development of the site with residential uses and associated improvements. However, construction-related impacts would be slightly reduced given that construction activities on the project site would be reduced with fewer residential units, as compared to the proposed project.

As described in Section 4.0, Transportation, VMT is calculated based on the land use and location of a proposed project and largely depends on the surrounding land uses as opposed to the overall level of development or number of units. Any residential use located on the project site that is not accompanied by a significant increase in transit availability would be expected to have the same VMT as it would not result in a reduction of the distance residents would need to travel for goods or services or change in the mode of travel. The VMT for the Large Lot alternative is the same as under the proposed project (22.19 daily VMT per capita). The estimated average daily VMT per capita for residential uses in the region is 16.75, which would make the threshold of significance 14.24.[6] Similar to the proposed project, an aggressive Transportation Demand Management (TDM) plan would be expected to achieve a maximum reduction in per capita VMT of 20 percent, resulting in a daily per capita VMT of 17.75.[7] Therefore, the Large Lot alternative would continue to have a significant and unavoidable impact related to VMT.

Relation to Proposed Project Objectives: The Large Lot alternative would achieve most of the project objectives, although to a lesser extent than the proposed project. In particular, objectives related to providing a project that would be consistent with land use plans, consistency with existing neighborhoods, a pedestrian-friendly community, providing housing near major transportation and regional trails connections and creating a community that is family friendly would be achieved. However, objectives related to providing housing that serves a range of family incomes and household types, providing workforce housing, contributing to the City's economic and social viability, and providing a mix of housing types and sizes would not be achieved to the same extent as the proposed project as the site would be developed with fewer residential units that would be larger than those included in the proposed project.

5.0 STATEMENT OF OVERRIDING CONSIDERATIONS

CEQA requires the decision-making agency to balance, as applicable, the economic, legal, social, technological or other benefits of the project against its unavoidable environmental risks when determining whether to approve the project. If the specific economic, legal, social, technological or other benefits of the project outweigh the unavoidable adverse environmental effects, those effects may be considered "acceptable" (CEQA Guidelines 15093(a)). CEQA requires the agency to state, in writing, the specific reasons for considering a project acceptable when significant impacts are not avoided or substantially lessened. Those reasons must be based on substantial evidence in the Final EIR or elsewhere in the administrative record (CEQA Guidelines 15093(b)).

In accordance with the requirements of CEQA and the CEQA Guidelines, the Planning Commission recommends the City Council find that the mitigation measures identified in the

[6] A 15 percent reduction from 16.75 is 14.24.
[7] A 20 percent reduction from 22.19 is 17.75.

Final EIR and the Mitigation Monitoring Program, when implemented, will avoid or substantially lessen many of the significant effects identified in the Final EIR for the Deer Valley Estates Project. However, a significant impact to transportation is unavoidable even after incorporation of all feasible mitigation measures. The Final EIR provides detailed information regarding this impact.

The Planning Commission recommends the City Council find that all feasible mitigation measures identified in the Final EIR within the purview of the project applicant will be implemented with the project, and that the remaining significant unavoidable effect is outweighed and found to be acceptable due to the following specific overriding economic, legal, social, technological, or other benefits based upon the facts set forth above, the Final EIR, and the record, because implementation of the Deer Valley Estate Project will:

- Develop a project consistent with the Sand Creek Focus Area of the General Plan that incorporates market-acceptable design features and promotes an attractive, well-maintained community.

- Establish a well-planned community that is family friendly or could accommodate senior residents and that incorporates the natural, historic, and physical elements of the land and the surrounding uses.

- Design a land use plan with uses complementary to existing neighborhoods and in symmetry with the larger Antioch community.

- Provide housing opportunities responsive to the needs of Antioch, the region and market conditions, to serve a range of family incomes and household types.

- Contribute to the City of Antioch's economic and social viability by creating a community that creates jobs and attracts investment and positive attention.

- Provide work force housing adjacent to Deer Valley Road and next to Kaiser Permanente Antioch Medical Center enhancing the attractiveness of the community to health care workers.

- Implement the County's Growth Management Program by providing for urban development within the Urban Limit Line. Preserving open space by relieving sprawl pressure and acting as an infill development placing new homes on parcels surrounded by existing development on three sides and adjacent to existing homes.

- Provide a land use plan and density that results in an adequate tax base, which at project buildout generates financial resources to pay for public services and infrastructure without financial burden to existing residents.

- Establish a land use and circulation system that promotes convenient mobility, while limiting circulation through existing communities, and provides safe, accessible, pedestrian access to medical facilities next door.

- Provide a pedestrian-friendly community and comprehensive infrastructure system, including parks, open space, trails, stormwater quality facilities, public services, roadways, and utilities infrastructure sized to serve the proposed project and properties to the north complementing

the existing Citywide infrastructure and ensures funding for the on-going maintenance needs of such infrastructure.

- Help the City of Antioch provide its fair share of housing, and help alleviate a regional housing shortage, by providing a mix of housing types and sizes, some moderately affordable, and which can meet the needs of a variety of different and growing household sizes.

- Provide housing near major transportation and regional trails connections, with increased land use intensities near regional transportation connections.

Considering all factors, the Planning Commission recommends the City Council finds that there are specific economic, legal, social, technological, and other considerations associated with the project that outweigh the project's significant unavoidable effect, and the adverse effect is therefore considered acceptable.

6.0 RECORD OF PROCEEDINGS

Various documents and other materials constitute the record upon which the Planning Commission recommends the City Council base these findings and the approvals contained herein. The location and custodian of these documents and materials is: Forrest Ebbs, Community Development Director, City of Antioch, 200 H Street, Antioch, CA 94531.

7.0 FINDINGS WITH RESPECT TO MITIGATION OF SIGNIFICANT ADVERSE IMPACTS, AND ADOPTION OF MITIGATION MONITORING PROGRAM

Based on the entire record before the City and having considered the unavoidable significant impacts of the project, the Planning Commission recommends the City Council hereby determine that all feasible mitigation within the responsibility and jurisdiction of the project applicant has been adopted to reduce or avoid the potentially significant impacts identified in the Final EIR, and that no additional feasible mitigation is available to further reduce significant impacts. The feasible mitigation measures are discussed in Section 3.1 and 3.2, above, and are set forth in the MMRP.

Section 21081.6 of the Public Resources Code requires the City to adopt a monitoring or compliance program regarding the changes in the project and mitigation measures imposed to lessen or avoid significant effects on the environment. The Planning Commission recommends the City Council adopt the MMRP for the Deer Valley Estates Project, attached to these findings as Exhibit A, because it fulfills the CEQA mitigation monitoring requirements:

- The Mitigation Monitoring and Reporting Program is designed to ensure compliance with the changes in the project and mitigation measures imposed on the project during project implementation; and

- Measures to mitigate or avoid significant effects on the environment are fully enforceable through conditions of approval, permit conditions, agreements, or other measures.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Environmental Impact Report for the Deer Valley Estates Project is HEREBY RECOMMENDED FOR CERTIFICATION pursuant to the California Environmental Quality Act. All feasible mitigation measures for the Project identified in the EIR and accompanying studies are hereby incorporated into this approval.

* * * * * * * *

I HEREBY CERTIFY that the foregoing resolution was adopted by the Planning Commission of the City of Antioch at a regular meeting thereof held on the 19th day of May 2021, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
FORREST EBBS
Secretary to the Planning Commission

ATTACHMENT A

Exhibit A:

Mitigation and Monitoring Reporting Program

MITIGATION MONITORING AND REPORTING PROGRAM

This Draft Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Environmental Impact Report (EIR) prepared for the Deer Valley Estates Project (project) submitted by Blue Mountain Communities (the project sponsor) for which the City of Antioch (City) is the CEQA Lead Agency for environmental review. The MMRP, which is provided in Table A, lists mitigation measures recommended in the EIR for the proposed project and identifies mitigation monitoring requirements. The Final MMRP must be adopted when the City makes a final decision on the project.

This MMRP has been prepared to comply with the requirements of State law (Public Resources Code Section 21081.6). State law requires the adoption of an MMRP when mitigation measures are required to avoid significant impacts. The MMRP is intended to ensure compliance during implementation of the project.

The MMRP is organized in a matrix format:

- The first column identifies the mitigation measure that would be implemented for each project impact.
- The second column refers to the party or agency responsible for implementing the mitigation measure.
- The third column refers to the action that prompts implementation and/or implementation timing.
- The fourth column refers to the agency responsible for oversight or ensuring that the mitigation measure is implemented.
- The fifth column refers to the action that prompts the commencement of monitoring.
- The sixth column refers to when the monitoring will occur to ensure that the mitigation action is completed.
- The seventh and final column is where the lead agency contact initials and dates are provided as verification of mitigation measure implementation.

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Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
3.1 AESTHETICS						
Mitigation Measure AES-1: Outdoor lighting shall be designed to minimize glare and spillover to surrounding properties. The proposed project shall incorporate non-mirrored glass to minimize daylight glare.	Project Applicant	Prior to issuance of a building permit	City of Antioch Community Development Department	Lighting designs review and approval	Before the start of construction	Initials:_____ Date:_____
3.3 AIR QUALITY						
Mitigation Measure AIR-1: In order to meet the Bay Area Air Quality Management District (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented: ● All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day. ● All haul trucks transporting soil, sand, or other loose material off-site shall be covered. ● All visible mud or dirt tracked-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. ● All vehicle speeds on unpaved roads shall be limited to 15 mph. ● All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. ● Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used. ● Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.	Construction Manager	During grading and construction activities	City of Antioch Public Works Department	Construction schedule, equipment, and site to be reviewed and inspected for compliance with BAAQMD Basic Construction Mitigation Measures	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure AIR-1 (continued)*:* ● All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation. ● A publicly visible sign shall be posted with the telephone number and person to contact at the City of Antioch regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.						
Mitigation Measure AIR-2: During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the California Air Resources Board (CARB) Tier 2 emissions standards or equivalent equipped with Level 3 diesel particulate filters equipped with Level 3 diesel particulate filters.	Construction Manager	During grading and construction activities	City of Antioch Public Works Department	Review and inspection of equipment	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
3.4 BIOLOGICAL RESOURCES						
Mitigation Measure BIO-1a: Prior to issuance of grading or construction permits for the proposed project, a qualified biologist shall conduct protocol level surveys to determine the presence or absence of vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander on the project site. These surveys shall be conducted in consultation with the appropriate regulatory agencies to determine under what conditions surveys could occur. Some protocol level surveys may take up to two years to conduct. If these species are determined to be absent from the site, no further mitigation would be required. If suitable conditions do not exist for protocol level surveys prior to grading or construction activities, these species must be assumed present on the project site.	Project Applicant/ Project Biologist	Prior to issuance of a grading or construction permit	City of Antioch Community Development Department	Protocol level surveys for vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog, and California tiger salamander completed	Before the start of construction and continually during construction	Initials:_____ Date:_____
Mitigation Measure BIO-1b: If vernal pool fairy shrimp, vernal pool tadpole shrimp, California red-legged frog or California tiger salamander are identified on the project site, or are assumed present due to the absence of protocol level surveys, and avoidance is not feasible, the project applicant shall mitigate for the loss of habitat. Authorized take permits may be required by the U.S. Fish and Wildlife Service (USFWS) for incidental take of individuals that may be present. The project applicant shall purchase credits at an approved off-site mitigation bank or other lands approved by the applicable resources agencies and the City of Antioch (e.g., in fee-title or through conservation easement). Mitigation would be required at a replacement to loss ratio of 2:1 and a creation to loss ratio of 1:1 (a total mitigation ratio of 3:1) for vernal pool fairy shrimp and/or vernal pool tadpole	Project Applicant/ Project Biologist	Prior to issuance of a grading or construction permit and in the event that vernal pool fairy shrimp, vernal pool tad-pole shrimp, California red-legged frog or California tiger salamander are identified on the project site, or are assumed present due to the absence of protocol level surveys	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	Mitigation for loss of habitat and acquisition of take permits from USFWS as necessary	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-1b (continued): shrimp (these are standard mitigation ratios used by the USFWS for impacts to these species). The Elsie Gridley Multi-Species Conservation Bank includes Antioch within its service area and offers preservation and creation habitat. Loss of California red-legged frog or California tiger salamander habitat should be mitigated at a 1:1 mitigation to loss ratio (38 acres) at a suitable site that is known to support a breeding population. Because the project site supports low value California tiger salamander habitat, the preservation of high quality, known breeding habitat would duly compensate for the loss of low-quality habitat, especially if the site acquired is either in fee-title or via a conservation easement that preserves and enhances breeding and estivation habitat or preserves and enhances suitable estivation habitat adjacent to a known, protected breeding site. Enhancement shall include a controlled grazing regime, limited public access, fencing, or other appropriate measures to be implemented by the bank using funds from the sale of credits. An authorized bank may offer California tiger salamander habitat and burrowing owl credits on the same acres if authorized. These 38 acres may also accommodate the potential loss of burrowing owl and Swainson's hawk habitat.						

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-2a: Protocol level burrowing owl surveys shall be conducted during the height of the breeding season (April 15 to July 15) to determine the number of both individuals and breeding pairs present on the site. Preconstruction surveys shall also be conducted for burrowing owls prior to site preparation, grading, and construction. All surveys shall conform to the survey protocol established by the California Burrowing Owl Consortium. Preconstruction surveys shall be conducted no more than 30 days prior to the initiation of construction activities and at 30-day intervals if construction activities have not been initiated in an area.	Project Applicant/ Project Biologist	Protocol level surveys shall occur during the height of the breeding period (April 15 to July 15) Preconstruction surveys shall occur no more than 30 days prior to initiation of construction activities in any given area	City of Antioch Community Development Department	Protocol level and preconstruction surveys for burrowing owl completed	Before the start of construction and continually during construction	Initials:_____ Date:_____
Mitigation Measure BIO-2b: For grading and construction activities occurring during the non-breeding season (September 1 through January 31), burrowing owls may be evicted from the entire construction area using passive relocation techniques. One-way doors shall be installed in all suitable burrows (approximately 4 inches in diameter), left in place for a minimum of 48 hours, and monitored daily to evaluate the exclusion of owls from burrows and to maintain the one-way doors in good repair. Burrows shall then be excavated, using hand tools. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Once excavation is completed and no owls remain on-site, burrows shall be refilled to prevent reoccupation, or the entire site shall be managed until construction activities begin.	Project Applicant/ Project Biologist	During the non-breeding season (September 1 through January 31)	City of Antioch Community Development Department	Following burrowing owl surveys, burrowing owl exclusion and monitoring between September 1 and January 31	Continually September 1 through January 31	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-2c: For grading and construction activities occurring during the breeding season (February 1 through August 31), a 75-meter (250-foot) radius circular buffer shall be erected around each active burrow and a qualified biologist shall monitor construction activities to ensure effectiveness of the buffer area for breeding activities. Construction-related activity (e.g., site grading, staking, surveying) shall not occur within the exclusion zone until the burrows are confirmed to be unoccupied and/or juveniles from the nest are foraging independently and capable of independent survival. Only biologists familiar with burrowing owl behavior shall be permitted to determine whether juveniles are capable of independent survival. Once the burrows are unoccupied or the young are capable of independent survival, passive relocation techniques (as described above in Mitigation Measure BIO-2a) shall be implemented to evict the owls from the burrows. Burrows shall be excavated, using hand tools, and re-filled to prevent reoccupation prior to allowing construction within the exclusion zone. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Due to the density of the burrowing owl population on the project site, it is possible that construction activities may not be able to avoid active burrows; in this case, construction activities shall not be permitted during the breeding season.	Project Applicant/ Project Biologist/ Construction Manager	During the breeding season (February 1 through August 31)	City of Antioch Community Development Department	Following burrowing owl surveys, burrowing owl protection and monitoring between September 1 and January 31	Continually between February 1 through August 31	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-2d: The project applicant shall comply with all take avoidance measures contained in the Staff Report on Burrowing Owl Mitigation. Compensatory mitigation for loss of burrowing owl habitat shall be consistent with CDFW mitigation guidance for burrowing owls. Prior to issuance of grading or construction permits, the project applicant shall be required to purchase and protect in perpetuity compensatory mitigation lands at a minimum of a 1:1 mitigation ratio (or a minimum mitigation ratio of 3:1 if active burrows or winter roosts are identified on-site and take cannot be avoided). Mitigation lands shall be within 210 meters of an active breeding colony at minimum and shall have an active breeding colony if burrowing owls are be evicted from the project site. Mitigation lands shall be protected in perpetuity under a conservation easement and be managed in perpetuity through an endowment with an appointed land manager. Mitigation for burrowing owls may take place on California tiger salamander, kit fox, or Swainson's hawk (grassland) habitat provided it is suitable for this species.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to issuance of a grading or construction permit	Habitat mitigation triggered by removal of burrowing owls at the project site	Before the start of construction and continually during construction	Initials:_____ Date:_____
Mitigation Measure BIO-3a: Pre-construction surveys for kit fox dens shall be conducted by a qualified biologist no less than 14 days or more than 30 days prior to any grading or construction activities on the project site. If an active den is detected within (or immediately adjacent to) the construction area, the USFWS shall be immediately contacted to determine the best course of action. If no kit fox activity is detected, a written report shall be submitted to the USFWS within 5 days of survey completion.	Project Applicant/ Project Biologist	No less than 14 days or more than 30 days prior to grading or construction activities	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	Completion of pre-construction surveys and submittal of written report to USFWS	Before the start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-3b: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall follow the USFWS's Standardized Recommendations for Protection of the Kit Fox Prior to or During Ground Disturbance throughout the construction period.	Project Applicant/ Project Biologist/ Construction Manager	During the construction period	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	Identification of active dens within or immediately adjacent to construction area	Before the start of construction and continually during construction	Initials:_____ Date:_____
Mitigation Measure BIO-3c: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall mitigate for the loss of San Joaquin Kit Fox habitat at a mitigation to loss ratio of 3:1 (114 acres). The project applicant shall obtain Incidental Take Permits (ITPs) from CDFW and the USFW and shall provide evidence of compliance with the permits to the City prior to project implementation. Issuance of a CESA Permit is subject to CEQA documentation; therefore, the CEQA document should specify impacts, mitigation measures, and fully describe a mitigation, monitoring and reporting program. The~~se~~ 114 acres may also accommodate the potential loss of estivation habitat for California tiger salamander, and grassland habitats for ~~and~~ burrowing owl, California tiger salamander, and Swainson's hawk~~habitat~~, as applicable. An equivalent number of credits at a mitigation bank approved for grassland species may be substituted for purchase of land provided the purchase is approved by the City, CDFW, and USFWS.	Project Applicant/ Project Biologist	Prior to the issuance of a grading or construction permit	City of Antioch Community Development Department	Identification of active dens within or immediately adjacent to construction area	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-4: If mitigation lands are purchased through conservation easements or in fee-title, the project applicant shall implement the Resource Management Plan prepared for the proposed project. The plan shall include a monitoring protocol for the listed species, performance criteria to document success of the mitigation, and identification of the funding mechanism for plan implementation.	Project Applicant/ Project Biologist	Prior to the issuance of a grading or construction permit	City of Antioch Community Development Department	Implementa-tion of Resource Management Plan	Before the start of construction	Initials:_____ Date:_____
Mitigation Measure BIO-5a: The proposed project shall avoid any construction activities that result in vegetation removal, including grading and other ground-disturbing activities, during the bird nesting season (February 1 through August 31). If construction activities are scheduled during the nesting season, the project applicant shall retain a qualified biologist to conduct a pre-construction survey of all suitable nesting habitat (i.e., field, trees) within 250 feet of the project site (where accessible). The pre-construction survey shall be conducted no more than 5 days prior to the start of work. If the survey indicates the presence of nesting birds, protective buffer zones should be established around the nests as follows: for raptor nests, the size of the buffer zone should be a 250-foot radius centered on the nest; for other birds, the size of the buffer zone should be a 50- to 100-foot radius centered on the nest. In some cases, these buffers may be increased or decreased depending on the bird species and the level of disturbance that will occur near the nest. If there is a pause in construction activities of 7 days or more during the nesting season, an additional nesting bird survey shall be conducted to ensure that there are no new nests that require buffering.	Project Applicant/ Project Biologist	Prior to the issuance of a grading permit	City of Antioch Community Development Department	Construction schedule review and approval, completion of pre-construction survey	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-5b: Prior to the initiation of construction activities, the project applicant should have a qualified biologist conduct surveys for Swainson's hawk in accordance with the Swainson's Hawk Technical Advisory Committee's (TAC) Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (2000). If an active nest is identified, a 0.25-mile protective buffer shall be maintained around the nest until the young fledge. If the 0.25-mile buffer must be reduced the project applicant shall obtain a California Endangered Species Act (CESA) ITP prior to ground disturbance. If Swainson's hawk activity (foraging, not just nests) is identified on or within 0.25 mile of the project site, the project applicant shall mitigate for the permanent loss of foraging habitat at a minimum of a 1:1 mitigation ratio (mitigation:loss). Mitigation lands should be protected in perpetuity under a conservation easement and be managed in perpetuity through an endowment with an appointed land manager. A comprehensive plan should be prepared to specify how the mitigation land will be managed, funded, and monitored. The easement should be held by a governmental entity, special district, non-profit organization, for-profit entity, person, or another entity to hold title to and manage the property. Mitigation for Swainson's hawk may take place on California tiger salamander, burrowing owl, or kit fox habitat provided it is suitable for this species.	Project Applicant/ Project Biologist	Prior to the issuance of a grading permit	City of Antioch Community Development Department	Construction schedule review and approval, completion of pre-construction survey Habitat mitigation triggered by identification of Swainson's hawk activity at the project site	Before the start of construction and continually during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure BIO-6: The project applicant shall obtain the appropriate federal and State ITPs authorizing incidental take of State and federal listed species that may be killed or injured during project development. The applicant shall provide proof to the City of Antioch Community Development Department of compliance with the terms and conditions of any required permits or ITPs prior to issuance of the grading permit. All work onsite shall be in compliance with the terms and conditions of the federal and State permits.	Project Applicant/ Project Biologist	Prior to the issuance of a grading permit	City of Antioch Community Development Department	Acquisition of take permits from CDFW and USFWS as necessary	Before the start of construction and continually during construction	Initials:_____ Date:_____
3.5 CULTURAL RESOURCES						
Mitigation Measure CULT-1: If deposits of prehistoric or historic archeological materials are encountered during project activities, all work within 25 feet of the discovery shall be redirected and a qualified archeologist shall be contacted to assess the deposit finds and make recommendations. While deposits of prehistoric or historic archeological materials should be avoided by project activities, if the deposits cannot be avoided, they shall be evaluated for their California Register eligibility. If the deposits are not eligible for the California Register, avoidance is not necessary. If the deposits are eligible for the California Register, they shall be avoided. If avoidance is not feasible, project impacts shall be mitigated in accordance with the recommendations of the evaluating archaeologist and CEQA Guidelines Section 15126.4 (b)(3)(C), which requires implementation of a data recovery plan and avoidance of human remains. Upon completion of the archaeologist's assessment, the archaeologist shall prepare a report documenting the methods and results and provide recommendations for the treatment of the discovered archaeological materials. The report shall be submitted to the project applicant, the City of Antioch, and the Northwest Information Center (NWIC).	Project Applicant/ Construction Manager/ Qualified Archaeologist	During all ground-disturbing activities and after resources are identified	City of Antioch Community Development Department	Initiated in the event that a find is made during construction	During regularly scheduled site inspections that would be initiated in the event that a find is made during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure CULT-2: If human remains are encountered, work within 25 feet of the discovery shall be redirected and the Contra Costa County Coroner notified immediately. At the same time, an archaeologist shall be contacted to assess the situation and consult with the appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.	Project Applicant/ Construction Manager/ Qualified Archaeologist	During all ground-disturbing activities and after resources are identified	City of Antioch Community Development Department	Initiated in the event that a find is made during construction	During regularly scheduled site inspections initiated after a find is made during construction	Initials:_____ Date:_____
3.7 GEOLOGY AND SOILS						
Mitigation Measure GEO-1: Project design and construction shall be in conformance with, or exceed, current best standards for earthquake resistant construction in accordance with the California Building Code (Seismic Zone 4), applicable local codes, and in accordance with the generally accepted standards of geotechnical practice for seismic design in Northern California. In addition, project design shall follow the recommendations of a site-specific design level geotechnical investigation report to be prepared by a Certified Engineering Geologist or Geotechnical Engineer. The City Engineer shall approve all final design and engineering plans.	Project Appli-cant/ Project Geotechnical Engineer	Prior to final development plan approval	City of Antioch Community Development Department	Review of geotechnical investigation report, final design and engineering plan review and approval	Before the start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure GEO-2: The applicant shall ensure that the requirements for worker health and safety as specified by the California Division of Occupational Safety and Health (DOSH) (which acts to protect workers from safety hazards through its California OSHA (Cal/OSHA)) are implemented. In particular, due to the caving proclivity of the soil types of the project site, shoring requirements for workers dealing with work in excavations, as specified in the California Code of Regulations, Title 8, Section 1540 et. al., Excavations, shall be observed. This article applies to all open excavations made in the earth's surface (including trenches).	Project Applicant/ Construction Manager	Prior to issuance of a grading permit and during the construction period	City of Antioch Community Development Department	Worker safety plan review and approval	Before the start of construction	Initials:_____ Date:_____
Mitigation Measure GEO-3: The applicant shall incorporate all recommendations of a final site-specific design-level geotechnical investigation as prepared by a licensed Geotechnical Engineer and approved by the City of Antioch into all development plans submitted for the project, including recommendations for grading, placement of fill materials, pretreatment of expansive soils, and avoidance of settlement and/or differential settlement of infrastructure and buildings.	Project Appli-cant/ Project Geotechnical Engineer	Prior to final development plan approval	City of Antioch Community Development Department	Incorporation of recommendations of geotechnical investigations		Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure GEO-4: If paleontological resources are encountered during site preparation or grading activities, all work within 25 feet of the discovery shall be redirected until a qualified paleontologist has assessed the discoveries and made recommendations. If the paleontological resources are found to be significant, adverse effects to such resources shall be avoided by project activities. If project activities cannot avoid the resources, the adverse effects shall be mitigated. Mitigation shall include data recovery and analysis, preparation of a final report, and the formal transmission or delivery of any fossil material recovered to a paleontological repository, such as the University of California Museum of Paleontology (UCMP). Upon completion of project activities, a final report documenting methods and findings of the mitigation shall be prepared and submitted to the project applicant, the City of Antioch, and a suitable paleontological repository.	Project Applicant/ Construction Manager/ Qualified Paleontologist	During all ground-disturbing activities and after resources are identified	City of Antioch Community Development Department	Initiated in the event that a find is made during construction	During regularly scheduled site inspections initiated after a find is made during construction	Initials:_____ Date:_____
3.9 HAZARDS AND HAZARDOUS MATERIALS						
Mitigation Measure HAZ-1: Prior to the issuance of grading or construction permits for the project site, a qualified environmental professional shall conduct an environmental investigation at the project site in accordance with California Department of Toxic Substances Control (DTSC) Interim Guidance for Sampling Former Agricultural Fields (Interim Guidance). As specified in the Interim Guidance, any detected organic compounds or metals above naturally-occurring concentrations must be evaluated in a risk assessment, and additional remedial action such as soils removal may be required, depending on the results of the environmental investigation and risk assessment. The investigation report and certification that required further actions have been completed shall be submitted to the City of Antioch for review and approval.	Project Applicant/ Qualified Environmental Professional	Prior to issuance of grading or construction permits	City of Antioch Community Development Department	Environmental investigation and certification review and approval	Before the start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure HAZ-2: Prior to the issuance of grading or construction permits for the project site, a Construction Risk Management Plan (CRMP) should be prepared to address potential hazardous material issues during construction of the project. The CRMP should include any available data from sampling conducted for the project, including the sampling specified in Mitigation Measure HAZ-1. The CRMP shall include provisions to protect construction workers and the nearby public from health risks from pipeline hazards and potential historic releases associated with oil and natural gas production in the project vicinity. The CRMP shall incorporate Best Practices defined by the Common Ground Alliance to protect construction worker safety and prevent accidental releases from oil and natural gas pipelines. The CRMP shall also require site inspections during initial grading activities at the site; provide procedures to be undertaken in the event that previously unreported petroleum contamination or subsurface hazards are discovered during construction; incorporate construction safety measures for excavation and other construction activities; establish detailed procedures for the safe storage, stockpiling, use, and disposal of hazardous materials at the project site; provide emergency response procedures; and designate personnel responsible for implementation of the CRMP. The CRMP shall be submitted to the City of Antioch for review and approval.	Project Applicant/ Qualified Environmental Professional	Prior to issuance of grading or construction permit	City of Antioch Community Development Department	Construction Risk Management Plan review and approval	Before the start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
3.10 HYDROLOGY AND WATER QUALITY						
Mitigation Measure HYD-1a: The project proponent shall prepare a SWPPP designed to reduce potential impacts to surface water quality through the project construction period. The SWPPP must be maintained on-site and made available to City inspectors and/or RWQCB staff upon request. The SWPPP shall include specific and detailed BMPs designed to mitigate construction-related pollutants. At minimum, BMPs shall include practices to minimize the contact of construction materials, equipment, and maintenance supplies (e.g., fuels, lubricants, paints, solvents, adhesives) with stormwater. The SWPPP shall specify properly designed centralized storage areas that keep these materials out of the rain. An important component of the stormwater quality protection effort is the knowledge of the site supervisors and workers. To educate on-site personnel and maintain awareness of the importance of stormwater quality protection, site supervisors shall conduct regular tailgate meetings to discuss pollution prevention. The frequency of the meetings and required personnel attendance list shall be specified in the SWPPP. The SWPPP shall specify a monitoring program to be implemented by the construction site supervisor, which must include both dry and wet weather inspections. RWQCB and /or City personnel, who may make unannounced site inspections, are empowered to levy considerable fines if it is determined that the SWPPP has not been properly prepared and implemented. BMPs designed to reduce erosion of exposed soil may include, but are not limited to: soil stabilization controls, watering for dust control, perimeter silt fences, placement of hay bales, and sediment basins.	Project Applicant/ Construction Manager	Prior to approval of the grading plan	City of Antioch Community Development Department	SWPPP review and approval	Before start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure HYD-1a: (continued): The potential for erosionis generally increased if grading is performed during the rainy season as disturbed soil can be exposed to rainfall and storm runoff. If grading must be conducted during the rainy season, the primary BMPs selected shall focus on erosion control; that is, keeping sediment on the site. End-of-pipe sediment control measures (e.g., basins and traps) shall be used only as secondary measures. Entry and egress from the construction site shall be carefully controlled to minimize off-site tracking of sediment. Vehicle and equipment wash-down facilities shall be designed to be accessible and functional during both dry and wet conditions. The City of Antioch Community Development Department shall review and approve the SWPPP prior to approval of the grading plan.						
Mitigation Measure HYD-1b: The project applicant shall design Best Management Practices into the project to reduce potential impacts to surface water quality associated with operation of the project. These features shall be included in the final development drawings. Specifically, the final design shall include measures designed to mitigate potential water quality degradation of runoff from all portions of the completed development, and to detain and treat 75 percent of the runoff from a major storm event. The design team for the development project shall review and incorporate as many concepts as practicable from Start at the Source, Design Guidance Manual for Stormwater Quality Protection.	Project Applicant/ Project Engineer	Prior to final development plan approval	City of Antioch Community Development Department	BMPs incorporated into final development drawings, reviewed and approved	Before start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure HYD-2: The City of Antioch Community Development Department shall review and approve the design-level stormwater control plan prior to approval of the grading plan. If it is determined by the City that the stormwater control plan for the proposed project does not include adequate measures to treat runoff to the maximum extent practicable in compliance with the County NPDES permit, then the applicant shall work closely with the City to revise the stormwater control plan so the Maximum Extent Practical (MEP) requirement is achieved.	Project Applicant/ Project Engineer	Prior to approval of the final grading plan	City of Antioch Community Development Department	Design-level stormwater control plan review and approval	Before start of construction	Initials:_____ Date:_____
Mitigation Measure HYD-3: As a condition of approval of the final grading and drainage plans for the project, the project applicant shall demonstrate through detailed hydraulic analysis that implementation of the proposed drainage plans will not create potential hydromodification impacts downstream by implementing the following: ● The project applicant's licensed professional engineer shall work cooperatively with the City of Antioch and the RWQCB to incorporate BMPs into the final drainage plan that will result in a post-project runoff curve (i.e., storm water flow/duration graphs) that closely resembles the pre-project curve; ● Include drainage components that are designed in compliance with City of Antioch standards. The grading and drainage plans shall be reviewed for compliance with these requirements by the City of Antioch; and ● The project applicant shall establish a self-perpetuating drainage system maintenance program (to be managed by a homeowner association or similar entity) that includes annual inspections of detention basins, sedimentation basins, drainage ditches, swales, and drainage inlets. Any accumulation of sediment or other debris shall be promptly removed and necessary maintenance to insure continued efficient operation shall be performed.	Project Applicant/ Project Hydrologist	Prior to approval of the final grading and drainage plans	City of Antioch Community Development Department	Hydraulic analysis, grading and drainage plans review and approval	Before start of construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure HYD-4: The project applicant's licensed professional engineer shall analyze the potential for the project to contribute to downstream flooding impacts. The final drainage plan shall include a design that, when implemented, would not increase peak flows or exacerbate downstream flooding. Properly implemented hydrograph modification mitigation (required under Mitigation Measure HYD-3) will also mitigate the potential for impacting downstream flooding impacts.	Project Applicant/ Project Hydrologist	Prior to approval of the final drainage plan	City of Antioch Community Development Department	Final drainage plan review and approval	Before start of construction	Initials:_____ Date:_____
Mitigation Measure HYD-5: As required by Ordinance 90-74, the applicant shall contribute to the construction and maintenance of regional drainage infrastructure by paying applicable fees associated with the amount of new impervious cover proposed by the project.	Project Applicant	Prior to issuance of a grading permit	City of Antioch Community Development Department	Payment prior to grading permit application	Before start of construction	Initials:_____ Date:_____
3.13 NOISE						
Mitigation Measure Noise-1a: The project contractor ensure that all construction related activities are restricted to the hours of 7:00 a.m. to 6:00 p.m. on weekdays, within 300 feet of occupied dwelling spaces between 8:00 a.m. and 5:00 p.m. on weekends, and between 9:00 a.m. and 5:00 p.m. on weekends and holidays, irrespective of the distance from the occupied dwelling.	Project Applicant/ Construction Manager	During the construction period	City of Antioch Community Development Department	Schedule review and approval	During construction	Initials:_____ Date:_____
Mitigation Measure NOI-1b: During all project site excavation and on-site grading, the construction contractor shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.	Project Applicant/ Construction Manager	During excavation and grading activities	City of Antioch Community Development Department	Equipment review and approval	Before start of construction and regularly during construction	Initials:_____ Date:_____
Mitigation Measure NOI-1c: The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.	Project Applicant/ Construction Manager	During grading and construction activities	City of Antioch Community Development Department	Stationary equipment site review and approval	Before start of construction and regularly during construction	Initials:_____ Date:_____

Table A: Mitigation Monitoring and Reporting Program

Mitigation Measures	Party Responsible for Implementation	Implementation Trigger/Timing	Agency Responsible for Monitoring	Monitoring Action	Monitoring Frequency	Verified Implementation
Mitigation Measure NOI-1d: The construction contractor shall locate equipment staging in areas that will create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the project site during all project construction.	Project Applicant/ Construction Manager	During grading and construction activities	City of Antioch Community Development Department	Staging area review and approval	Before start of construction and regularly during construction	Initials:_____ Date:_____
Mitigation Measure NOI-1e: The construction contractor shall use temporary noise attenuation fences at least 6 feet in height to protect all sensitive receptors along the project site's northern property line that are not currently protected by a sound wall of at least 6 feet in height. Noise attenuation fencing shall consist of a solid, continuous fence (with no horizontal or vertical gaps) at least 6 feet in height and of equivalent mass as that of solid wood fencing boards (e.g., made of plywood of at least ¾ inch thickness).	Project Applicant/ Construction Manager	Prior to and during grading and construction activities	City of Antioch Community Development Department	Noise attenuation fencing plan review and approval	Before start of construction	Initials:_____ Date:_____
Mitigation Measure Noise-2a: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall be constructed along the project property line bordering Deer Valley Road. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.	Project Applicant/ Project Engineer	Prior to issuance of an occupancy permit	City of Antioch Community Development Department	Sound wall plans review and approval	Before start of construction	Initials:_____ Date:_____
Mitigation Measure Noise-2b: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall also be constructed along the project property line bordering Wellness Way. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.	Project Applicant/ Project Engineer	Prior to issuance of an occupancy permit	City of Antioch Community Development Department	Sound wall plans review and approval	Before start of construction	Initials:_____ Date:_____

Source: LSA (2021).

ATTACHMENT B

Resolution Recommending that the City Council approve the Vesting Tentative Map, Final Development Plan, Use Permit, and Design Review for the Project

PLANNING COMMISSION
RESOLUTION NO. 2021-**

RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF ANTIOCH RECOMMENDING APPROVAL OF A VESTING TENTATIVE SUBDIVISION MAP, FINAL DEVELOPMENT PLAN, USE PERMIT, AND DESIGN REVIEW FOR THE DEER VALLEY ESTATES ZOCCHI PROPERTY (PD-19-03, UP-19-12, AR-19-19)

WHEREAS, the City of Antioch received an application from Blue Mountain Communities for approval of a Vesting Tentative Subdivision Map, Final Development Plan, Use Permit, and Design Review to subdivide two undeveloped parcels totaling 37.56 acres to construct 121 new single family homes with new infrastructure, parking, detention basins, lighting, and landscaping, and a private park (PD-19-03, UP-19-12, AR-19-19). The Project is located at 6100 Deer Valley Road (APNs 055-071-026 and 057-022-013);

WHEREAS, a Final Environmental Impact Report and Mitigation Monitoring and Reporting Program was prepared in accordance with the California Environmental Quality Act (CEQA) Guidelines Section 15162, and considered by the Planning Commission on May 5, 2021;

WHEREAS, on May 19, 2021, the Planning Commission recommended adoption of the Final Environmental Impact Report based on the findings of fact and adopting a Statement of Overriding Considerations and Mitigation Monitoring and Reporting Program to the City Council;

WHEREAS, on November 19, 2020, the Parks and Recreation Commission considered the Deer Valley Estates Project and did recommend to the Planning Commission that the project be obligated to pay $181,500 in parkland dedication in lieu fees;

WHEREAS, the Planning Commission duly gave notice of public hearing as required by law; and,

WHEREAS, on May 19, 2021, the Planning Commission duly held a public hearing on the matter, and received and considered evidence, both oral and documentary.

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission makes the following required findings for approval of a Vesting Tentative Subdivision Map:

1. That the Vesting Tentative Subdivision Map, design and improvements are consistent with the General Plan, as required by Section 66473.5 of the Subdivision Map Act and the City's Subdivision Regulations. The site has a General Plan Designation of Sand Creek Focus Area - Low Density Residential and the Vesting Tentative Subdivision Map will accommodate uses that are consistent with the proposed General Plan designation.

2. That the subdivision proposed by the Vesting Tentative Subdivision Map complies with the rules, regulations, standards and criteria of the City's Subdivision Regulations. The City's Planning and Engineering staff have reviewed the Tentative Parcel Map and evaluated the effects of the map proposed and have determined that the Vesting Tentative Map, as conditioned, complies with and conforms to all the applicable rules, regulations, standards, and criteria of the City's Subdivision Regulations.

3. The Project's conditions of approval protect the public safety, health and general welfare of the users of the project and surrounding area. In addition, the conditions ensure the project is consistent with all applicable City standards.

BE IT RESOLVED, that the Planning Commission makes the following findings for approval of a Final Development Plan:

1. Each individual unit of the development can exist as an independent unit capable of creating an environment of sustained desirability and stability because each parcel has its own independent parking and access. The uses proposed will not be detrimental to present or potential surrounding uses but instead will have a beneficial effect which could not be achieved under the current General Plan Land Use designation or zoning for the project site. The project will provide new housing options to the area and is designed to function independently while remaining interconnected through pathways and access for both vehicles and pedestrians.

2. The streets and thoroughfares proposed meet the standards of the City's Growth Management Program and adequate utility service can be supplied to all phases of the development because the project will be constructing all the required streets and utilities to serve the project. The final design, location and size of these improvements will be subject to the approval of the City Engineer. The Project design minimizes traffic impacts to the existing street system.

3. There are no commercial components of the project.

4. The residential components will be in harmony with the character of the surrounding neighborhood and community and will result in densities no higher than that permitted by the General Plan because the single-family project is in substantial conformance with the applicable zoning requirements for residential development and the Planned Development District development standards established for the project site. The project has been designed to comply with City density standards as the proposed densities are within General Plan allowances. The Project locates single-family homes adjacent to similar, existing homes.

5. There are no industrial components of the project.

6. Any deviation from the standard zoning requirements is warranted by the design and additional amenities incorporated in the final development plan which offer certain unusual redeeming features to compensate for any deviations that may be permitted. The proposed final development plan is substantially in conformance with the established P-D District for the site, which was established in 2008.

7. The area surrounding the P-D District can be planned and zoned in coordination and substantial compatibility with the proposed development because the proposed development is surrounded by properties developed with health care and residential uses that are consistent with the proposed development and the undeveloped area around the Project will also be required to develop according to the General Plan policies.

8. The Project and the PD District conform to the General Plan of the City in that the single-family residential use is consistent with the General Plan designation of Sand Creek Focus Area - Low Density Residential.

BE IT FURTHER RESOLVED that the Planning Commission does hereby make the following findings for approval of the requested Use Permit:

1. The granting of such use permit will not be detrimental to the public health or welfare or injurious to the property or improvements in such zone or vicinity because the project has been designed to comply with the City of Antioch Municipal Code requirements.

2. The use applied at the location indicated is properly one for which a use permit is authorized because the City of Antioch Zoning Ordinance requires a use permit for all Planned Development District (PD) applications.

3. That the site for the proposed use is adequate in size and shape to accommodate such use, and all yards, fences, parking, loading, landscaping, and other features required, to other uses in the neighborhood. The site plan complies with the Planned Development standards established for the project's Planned Development District.

4. That the site abuts streets and highways adequate in width and pavement type to carry the kind of traffic generated by the proposed use. The project site will improve Wellness Way to serve as the project entrance. The street extensions are designed to meet City standards for adequate width and pavement.

5. That the granting of such use permit will not adversely affect the comprehensive General Plan because the proposed uses and design are consistent with the General Plan. The General Plan designation for project site is Sand Creek Focus Area - Low Density Residential, which allows for the type of residential development proposed by the project.

6. The Conditions of approval protect the public safety, health and general welfare of the users of the project and surrounding area. In addition, the conditions ensure the project is consistent with City standards.

BE IT FURTHER RESOLVED that the Planning Commission of the City of Antioch does hereby recommend APPROVAL of a Vesting Tentative Subdivision Map, Final Development Plan, Use Permit, and Design Review to subdivide two undeveloped parcels totaling 37.56 acres to construct 121 new single-family homes with new infrastructure, parking, detention basins, lighting, and landscaping, and a private park (PD-19-03, UP-19-12, AR-19-19). The Project is located at 6100 Deer Valley Road (APNs 055-071-026 and 057-022-013) subject to the following conditions:

A. GENERAL CONDITIONS

1. The development shall comply with the City of Antioch Municipal Code, unless a specific exception is granted thereto, or is otherwise modified in these conditions or in the Development Agreement.

2. Concurrent with the first submittal of grading or improvement plans, the developer shall submit a site plan exhibit showing the site plan as modified by conditions and approvals.

3. This approval expires two years from the date of approval (Expires May 19, 2023), unless a building permit has been issued and construction has diligently commenced thereon and has not expired, or an extension has been approved by the Zoning Administrator. Requests for extensions must be received in writing with the appropriate fees prior to the expiration of this approval. No more than one, one-year extension shall be granted.

4. The developer shall defend, indemnify, and hold harmless the City in any action brought challenging any land use approval or environmental review for the Project. In addition, developer shall pay any and all costs associated with any challenge to the land use approval or environmental review for the Project, including, without limitation, the costs associated with any election challenging the Project.

5. A final and unchallenged approval of this project supersedes previous approvals that have been granted for this site.

6. Permits or approvals, whether discretionary or ministerial, will not be considered if the developer is not current on fees, reimbursement and/or other payments that are due the City.

7. All advertising signs shall be consistent with the Sign Ordinance or as approved by the Community Development Director.

8. All required easements or rights-of-way for improvements shall be obtained by the developer at no cost to the City of Antioch. Advance permission shall be obtained from any property or, if required from easement holders, for any work done within such property or easements.

9. All easements of record that are no longer required and affect individual lots or parcels within this project shall be removed prior to or concurrently with the recordation of the final map or subsequent separate document as approved by City Engineer.

B. VESTING TENTATIVE MAP CONDITIONS

1. The Vesting Tentative Map approval is subject to the time lines established in the State of California Subdivision Map Act or as extended by the Development Agreement.

2. Approval is based upon substantial conformance with the Vesting Tentative Map prepared on May 4, 2020 and stamped received by Community Development on May 21, 2020.

3. Approval of this Vesting Tentative map shall not constitute the approval of any improvements shown on the Vesting Tentative map and shall not be construed as a guarantee of future extension or re-approvals of this or similar maps, nor is it an indication of future availability of water or sewer facilities or permission to develop beyond the capacities of these facilities.

C. DISTRICTS AND ANNEXATION

1. Prior to filing of a final map for recording, the developer shall annex into CFD 2018-02 (Police Protection).

2. The property shall annex into CFD 2018-01 (Public Services) and accept a level of annual assessments sufficient to maintain public facilities in the vicinity of the project area at no cost to the City. The annual assessment shall cover the actual annual cost of maintenance as described in the Engineer's Report.

D. HOME OWNERS ASSOCATION AND CC&RS

1. The developer shall establish a Home Owners Association (HOA) for this project in conformance with the regulations set forth by the California Department of Real Estate. The HOA shall be responsible for maintaining:

   - All HOA owned parcels, including structures, walls, and facilities within (Parcels 'A', 'B', 'C', 'D', 'E', 'F', 'G', and 'H').
   - Bio-retention storm drain facilities (pipes, structures, and Parcel 'B' basin)
   - The City shall be reimbursed for maintenance of landscape, roadway (including striping and signing), concrete (including sidewalk, curb, gutter and curb ramps), storm drain facilities, street lighting, and all other HOA facilities and amenities not maintained by the HOA to an acceptable City level.

2. Subject to approval by the state, the Codes, Covenants and Restrictions (CC&Rs) for the subdivision shall include a provision indicating that the City of Antioch is named as a third-party beneficiary with the right, but not the obligation, to enforce the provisions of the CC&Rs relating to the maintenance and repair of the property and improvements, including but not limited to landscaping, streets, curbs, gutters, street lights, parking, open space, storm water facilities and the prohibition of nuisances. The City shall have the same rights and remedies as the Association, Manager or Owners are afforded under the CC&Rs, including but not limited to rights of entry. This right of enforcement is in addition to all other legal and equitable remedies available to the City, including the right to refuse to issue building permits for any building or structure that is not in compliance with applicable federal, state or local laws, regulations, permits or approvals. Neither action nor inaction by the City shall constitute a waiver or relinquishment of any rights or remedies. In addition, the CC&Rs shall include a provision that any design approvals required by the CC&RS for construction, reconstruction and remodeling are in addition to any approvals needed from the City as well. Further, the CC&Rs cannot be terminated or amended materially without the prior written consent of the Community Development Director and the City Attorney of the City of Antioch. Material changes are those that would change the fundamental purpose of the development including but not limited to:

   - City approvals of uses or external modifications.
   - Property ownership or maintenance obligations including, but not limited to, common areas, storm water and landscaping.

The CC&Rs for this project shall be reviewed and approved by the City Attorney and the Community Development Director prior to the issuance of the 1st building permit.

3. The property shall annex into or establish and participate in a Lighting and Landscape District (LLD) and accept a level of annual assessments sufficient to maintain:

- The street lights within the development.
- Landscaping along frontage of Deer Valley Road and Wellness Way

E. CONSTRUCTION CONDITIONS

1. The use of construction equipment shall be as outlined in the Antioch Municipal Code and is restricted to weekdays between the hours 8:00 A.M. and 5:00 P.M., or as approved in writing by the City Manager. Requests for alternative days/time may be submitted in writing to the City Engineer for consideration.

2. The project shall be in compliance with and supply all the necessary documentation for Antioch Municipal Code § 6-3.2: Construction and Demolition Debris Recycling.

3. Standard dust control methods and designs shall be used to stabilize the dust generated by construction activities. The developer shall post dust control signage with a contact number of the developer, City staff, and the air quality control board.

4. The site shall be kept clean of all debris (boxes, junk, garbage, etc.) at all times.

5. Wellness Way shall be utilized as sole access point for construction; entrances coming from Piute Way, Mojave Way, and Oneida Way shall be barricaded until the issuance of the 1st certificate of occupancy.

F. SITE AND PROJECT DESIGN

1. Provisions for mail delivery and locations of mailbox facilities shall be reviewed by the USPS and approved by the City Engineer prior to the approval of each final map.

2. All proposed improvements shall be constructed to City standards or as approved by the City Engineer.

3. All public streets shall intersect at approximately 90 degrees and meet the requirements of Caltrans Highway Design Manual for Intersection Design Standards (Topic 405), as approved by the City Engineer.

4. All driveways shall be perpendicular or radial to the street centerline, or as approved by the City Engineer.

5. Maximum driveway slope shall be 12% or as approved by the City Engineer.

6. All driveways shall be a minimum of five feet (5') from the curb return.

7. All public road right-of-way shall be located ten feet (10') behind the face-of-curb or as approved by City Engineer.

8. Curb ramps shall meet the latest version of Caltrans ramps.

9. All lot sidelines shall be perpendicular or radial to the fronting street centerline, or as approved by the City Engineer.

10. Monolithic sidewalks with beveled curb shall be six inches (6") thick and reinforced as approved by the City Engineer. Sidewalks at driveway approaches shall be ADA complaint. Minimum sidewalks widths shall be as follows:

    - Adjacent to beveled curb, 4 feet excluding curb (bevel curb to be 12" deep by 3" high with ½" lip and 18" gutter).
    - Adjacent to vertical curb, 4.5 feet excluding curb.

11. Sight distance triangles shall be maintained per Antioch Municipal Code § 9-5.1101 Site Obstructions at Intersections, or as approved by the City Engineer.

12. A minimum of a twenty-foot (20') tangent shall extend beyond the return at intersections at public streets for the maintenance of adequate sight distance, or as approved by the City Engineer.

13. All lot sidelines shall be perpendicular or radial to the fronting street centerline at public streets for a distance of 20 feet, or as approved by the City Engineer.

14. Rear and side yard fencing shall be provided for all units. All fences shall be located at the top of slope, or as approved by the City Engineer.

15. In cases where a fence is to be built in conjunction with a retaining wall, and the wall face is exposed to a side street, the fence shall be setback a minimum of three feet (3') behind the retaining wall per Antioch Municipal Code § 9-5.1603, or as approved by the City Engineer.

16. The street names in the development shall be as follows. Changes to street names shall require Planning Commission review and approval.
    - Deer Valley Road (Existing)
    - Wellness Way (Existing)
    - Mojave Way (Existing)
    - Oneida Way (Existing)
    - Golden Eagle Street (Street 'A')
    - Golden Eagle Court (Court 'K')
    - Cardinal Street (Street 'B')
    - Cardinal Court (Unidentified Court extending from Street 'B')
    - Kestrel Street (Street 'C')
    - Kestrel Court (Court 'L')
    - Oriole Street (Street 'D')
    - Harrier Way (Street 'E')
    - Raptor Way (Street 'F')
    - Raven Way (Street 'G')
    - Shrike Way (Street 'H')
    - Partridge Way (Street 'I')
    - Lark Way (Street 'J')

17. The developer shall provide a "checklist" of universal design accessibility features to home buyers as required by Health and Safety Code § 17959.6.

18. All improvements for each lot (water meters, sewer cleanouts, etc.) shall be contained outside of the driveway and within the lot and the projection of its sidelines, or as approved by the City Engineer.

19. The developer shall install streetlights within the project area at no cost to the City. Streetlights will be owned by the City and maintained as part of the LLD.

20. One (1) on-street parking space per lot shall be located within close proximity to the unit served, as shown on the vesting tentative map prepared

May 4, 2020 and stamped received by the Planning Division on May 21, 2020, or as approved by the City Engineer.

21. Cul-de-sac parking shall be provided as required by the City Engineer.

22. All fencing adjacent to open space (trails and basins) shall be wrought iron and shall be located at the top of slope.

23. All two-car garages shall be a minimum of twenty feet by twenty feet (20' x 20') clear inside dimensions.

24. The developer and then the HOA, once the CC&Rs are operative, shall maintain all undeveloped areas within this subdivision in an attractive manner, which shall also ensure fire safety.

25. The open space trail and park and associated improvements shall be constructed and completed by the developer prior to the issuance of the 45th building permit.

G. <u>UTILITIES</u>

1. Public utilities shall be constructed to their ultimate size and configuration with the road construction in which they are to be located.

2. All existing and proposed utilities shall be undergrounded (e.g. transformers and PMH boxes) and subsurface in accordance with the Antioch Municipal Code, or as approved by the City Engineer.

3. All sewage shall flow by gravity to the intersecting street sewer main.

4. Sewer system shall be designed to drain easterly and connect northerly to Oneida Way.

5. All public utilities, including storm drain pipes and ditches, shall be installed in streets avoiding between lot locations. All proposed drainage facilities, including open ditches, be constructed of Portland Concrete Cement or as approved by the City Engineer.

6. Prior to the recordation of the first final map, the developer shall submit hydrology and hydraulic analyses with a storm water control plan that proves the adequacy of the in-tract drainage system and downstream drainage system to the City for review and approval and to Contra Costa

County Flood Control for review at no cost to the City as directed by the City Engineer.

7. Developer shall design and construct storm drain facilities to adequately collect and convey stormwater entering or originating within the development to the nearest adequate man-made drainage facility or natural watercourse, without diversion of the watershed.

8. Storm drain system shall flow easterly into detention basin system and eventually flow into the existing southerly 72” storm drain along Oneida Way to Upper Sand Creek Detention Basin.

9. The detention basin and associated improvements shall be constructed prior to issuance of 1st building permit for residential structures.

10. Detention basins shall be designed with an emergency spillway to provide controlled overflow relief for large storm events an Operations and Maintenance Manual shall be submitted for basins.

11. The developer shall provide adequate water pressure and volume to serve this development. This will include a minimum residual pressure of 20 psi with all losses included at the highest point of water service and a minimum static pressure of 50 psi or as approved by the City Engineer. See Fire Requirements for additional water flow conditions.

12. Water systems shall be designed as a looped distribution system, if not already connecting as a looped system, developer shall be responsible for installing any water mains to create a looped system at no cost to the City.

13. The houses shall contain rain gutters and downspouts that direct water away from the foundation as approved by the City Engineer.

14. Prior to acceptance of public utilities, the developer shall provide GPS coordinates of all in and above ground assets. This includes all Water Distribution Utility features, Collection Utility features, Storm Water Utility features, and inverts associated with these features. Developer shall also include GPS coordinates of metal subdivision entryway signs, street signs, light poles, and irrigation controllers. These GPS coordinates must be taken on a survey-grade sub-meter GPS data receiver/collector and provided in GIS shapefile format using the North American 1983 Coordinate System.

H. LANDSCAPING

1. Landscaping on all slopes, medians, C.3 basins and open space areas shall be approved by the City Engineer and shall be installed, at no cost to the City.

2. One (1) fifteen-gallon tree shall be located within the front yard of each lot prior to the issuance of the certificate of occupancy for each lot. The type and location of the tree shall be in substantial conformance with the preliminary landscape plan submitted to the City on and dated received by Community Development on May 21, 2020.

3. Landscaping for the project shall be designed to comply with the applicable requirements of City of Antioch Ordinance No. 2162-C-S The State Model Water Efficient Landscape Ordinance (MWELO). Prior to issuance of a building permit, the applicant shall demonstrate compliance with the applicable requirements of the MWELO in the landscape and irrigation plans submitted to the City.

4. Based on drought conditions, the City Engineer has the authority to delay some or all of the landscape Conditions of Approval.

5. The applicant shall submit final landscape plans that identify specific plant materials to be used, including all shrubs and groundcover, providing both common and botanical names, sizes and quantities when submitting for building permits.

I. FIRE REQUIREMENTS

1. The applicant shall comply with the following conditions provided by the Contra Costa County Fire Protection District in the letter dated August 25, 2020:

   a. The applicant shall agree to participate and/or assist in the formation of a Community Facilities District (CFD) to fund the incremental cost of fire protection and ambulance service delivery. The developer shall contact the Office of the Fire Chief for specific details on the CFD.

   b. Access shall comply with Fire District requirements.

      Provide emergency apparatus access roadways with all-weather (paved) driving surfaces of not less than 20-feet unobstructed width, and not less than 13 feet 6 inches of vertical clearance, to within 150 feet of travel distance to all portions of the exterior walls of every

building. Access shall have a minimum outside turning radius of 45 feet, and must be capable of supporting the imposed fire apparatus loading of 37 tons. Access roadways shall not exceed 20% grade. Grades exceeding 16% shall be constructed of grooved concrete per the attached Fire District standard. (503) CFC

c. Access roadways of less than 28-feet unobstructed width shall have signs posted or curbs painted red with the words NO PARKING - FIRE LANE clearly marked. (22500.1) CVC, (503.3) CFC

   Access roadways of 28 feet or greater, but less than 36-feet unobstructed width shall have NO PARKING - FIRE LANE signs posted, allowing for parking on one side only or curbs painted red with the words NO PARKING - FIRE LANE clearly marked. (22500.1) CVC, (503.3) CFC

d. Turnarounds shall comply with Fire District Requirements

e. The developer shall provide an adequate and reliable water supply for fire protection with a minimum fire flow of 1000 GPM. Required flow must be delivered from not more than 1 hydrant flowing for a duration of 120 minutes while maintaining 20-pounds residual pressure in the main. (507.1), (8105) CFC

f. The developer shall provide hydrants of the East Bay type in compliance with Chapter 5 and Appendix D of the California Fire Code. (C103.1) CFC

g. The developer shall submit a minimum of two (2) copies of full size, scaled site improvement plans indicating:

   i. All existing or proposed hydrant locations

   ii. Fire apparatus access

   iii. Size of building and type of construction

   iv. Striping and signage plan

   This is a separate submittal from the building construction plans. These plans shall be approved prior to submitting building plans for review. (501.3) CFC

h. Emergency apparatus access roadways and hydrants shall be installed, in service, and inspected by the Fire District prior to construction or combustible storage on site. (501.4) CFC

   Note: A temporary aggregate base or asphalt grindings roadway is not considered an all-weather surface for emergency apparatus access.

The first lift of asphalt concrete paving shall be installed as the minimum roadway material and must be engineered to support the designated gross vehicle weight of 37 tons.

i. The homes as proposed shall be protected with an approved automatic fire sprinkler system complying with the 2019 edition of NFPA 13D or Section R313.3 of the 2019 California Residential Code. Submit a minimum of two (2) sets of plans to this office for review and approval prior to installation. (903.2) CFC, (R313.3) CRC, Contra Costa County Ordinance 2019-37.

j. The developer shall provide traffic signal pre-emption systems (Opticom) on any new or modified traffic signals installed with this development. (21351) CVC

k. Flammable or combustible liquid storage tanks shall not be located on the site without obtaining approval and necessary permits from the Fire District. (3401.4) CFC

l. The owner shall cut down and remove all weeds, grass, vines, or other growth that is capable of being ignited and endangering property. (304.1.2) CFC

m. Development on any parcel in this subdivision shall be subject to review and approval by the Fire District to ensure compliance with minimum requirements related to fire and life safety. Submit three (3) sets of plans to the Fire District prior to obtaining a building permit. (501.3) CFC

n. The owner or the owner's authorized agent shall be responsible for the development, implementation and maintenance of a written plan establishing a fire prevention program at the project site applicable throughout all phases of the construction. The plan shall be made available for review by the fire code official upon request. (Ch.33) CFC

o. The fire prevention program superintendent shall develop and maintain an approved prefire plan in cooperation with the fire chief. The fire chief and fire code official shall be notified of changes affecting the utilization of information contained in such prefire plans. (Ch.33) CFC

p. The applicant shall agree to participate and/or assist in the formation of a Community Facilities District (CFD) to fund the incremental cost of fire protection and ambulance service delivery. The developer shall contact the Office of the Fire Chief for specific details on the CFD.

J. FEES

1. The developer shall pay all City fees which have been established by the City Council and as required by the Antioch Municipal Code.

2. The developer shall pay all pass-through fees. Fees include but are not limited to:

   a. East Contra Costa Regional Fee and Financing Authority (ECCRFFA) Fee in effect at the time of building permit issuance.
   b. Contra Costa County Fire Protection District Fire Development Fee in place at the time of building permit issuance.
   c. Contra Costa County Map Maintenance Fee in affect at the time of recordation of the final map(s).
   d. Contra Costa County Flood Control District Drainage Area fee.
   e. School Impact Fees.
   f. Delta Diablo Sanitation Sewer Fees.
   g. Contra Costa Water District Fees.

K. MODEL HOMES

1. If developer requests model homes or sales trailer, prior to the placement of any sales trailers, plans shall be submitted to the Engineering Department for review and approval. Any trailer shall be placed out of the public right-of-way and shall have its own parking lot.

2. The model home complex parking lot location and design shall be subject to the City Engineer's approval.

3. The model home landscaping shall be drought tolerant, with total area of spray irrigation for the complex not to exceed 50 percent of the landscaping area.

L. GRADING

1. Prior to the approval of the grading plan(s), the City Engineer shall determine if it is necessary to engage soils and structural engineers, as well as any other professionals, deemed necessary to review and verify the adequacy of the building plans submitted for this project. If deemed necessary by the City Engineer, this condition may include field inspections by such professionals to verify implementation of the plans. Costs for these services shall be borne by the developer.

2. The grading operation shall take place at a time, and in a manner, so as not to allow erosion and sedimentation. The slopes shall be landscaped and reseeded as soon as possible after the grading operation ceases. Erosion measures shall be implemented during all construction phases in accordance with an approved erosion and sedimentation control plan.

3. A grading permit shall be required prior to any grading operations.

4. All lots and slopes shall drain to approved drainage facilities as approved by the City Engineer.

5. All grading shall be accomplished in a manner that precludes surface water drainage across any property line.

6. All lots shall be graded to drain positively from the rear to the street or as approved by the City Engineer.

7. The swales adjacent to the house structure shall have a minimum of a two percent (2%) slope or as directed by the City Engineer.

8. All off-site grading is subject to the coordination and approval of the affected property owners and the City Engineer. The developer shall submit written authorization to “access, enter, or grade” adjacent properties prior to performing any work.

9. Any sale of a portion (or portions) of this project to multiple developers shall include the necessary agreement and/or grading easements to assure that project-wide grading conforms to the approved map and conditions of this resolution.

10. The grading plan for this development shall be approved by the City Engineer.

11. All elevations shown on the plans shall be on the USGS 1929 sea level datum or NAVD 88 with conversion information, as approved by the City Engineer.

12. Retaining walls shall not be constructed in City right-of-way or other City maintained parcels unless approved by the City Engineer.

13. All retaining walls shall be of concrete masonry unit construction.

14. Wall and fence locations shall be included on the grading plan.

15. All retaining walls shall be reduced in height to the maximum extent practicable and the walls shall meet the height requirements in the front yard setback and sight distance triangles as required by the City Engineer.

16. The back-to-back or side-to-side grading transitions from lot-to-lot shall have a maximum slope of 2:1, and shall be accommodated entirely on the lower lot or as approved by the City Engineer.

17. The minimum concrete gutter flow slope shall be 0.75%.

18. All property lines shall be located at the top of slope.

M. CONSERVATION/NPDES

1. Water conservation measures, including low volume toilets, flow restrictors in showers and the use of drought tolerant landscaping, shall be used.

2. The Project shall meet or exceed Tier 1 of the CALGreen Building Code.

3. The project shall comply with all Federal, State, and City regulations for the National Pollution Discharge Elimination System (NPDES) (AMC§6-9). (Note: Per State Regulations, NPDES Requirements are those in affect at the time of the Final Discretional Approval.) Under NPDES regulations, the project is subject to provision C.3: New development and redevelopment regulations for storm water treatment. Provision C.3 requires that the project include storm water treatment and source control measures, as well run-off flow controls, so that post-project runoff does not exceed estimated pre-project runoff. C.3 regulations require the submittal of a Storm Water Control Plan (SWCP) that demonstrates how compliance will be achieved. The SWCP shall be submitted simultaneously with the project plans. For the treatment and flow-controls identified in the approved SWCP, a separate Operation and Maintenance Plan (O&M) shall be submitted and approved before the Building Department will issue Certificate of Occupancy permits. Both the approved SWCP and O&M plans shall be included in the project CC&Rs. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall execute any agreements identified in the Storm Water Control Plan that pertain to the transfer of ownership and/or long-term maintenance of storm water treatment or

hydrograph modification BMPs. Already stated in COAs below, 5.c and 5.h.w.

4. Additional information regarding the project SWCP is necessary and modifications to the SWCP shown on the proposed Vesting Tentative Map may be required in order to comply with C.3 regulations.

5. The following requirements of the federally mandated NPDES program (National Pollutant Discharge Elimination System) shall be complied with as appropriate, or as required by the City Engineer:

   a. Prior to issuance of permits for building, site improvements, or landscaping, the developer shall submit a permit application consistent with the developer's approved Storm Water Control Plan, and include drawings and specifications necessary for construction of site design features, measures to limit directly connected impervious area, pervious pavements, self-retaining areas, treatment BMPs, permanent source control BMPs, and other features that control storm water flow and potential storm water pollutants.

   b. The Storm Water Control Plan shall be certified by a registered civil engineer, and by a registered architect or landscape architect as applicable. Professionals certifying the Storm Water Control Plan shall be registered in the State of California and submit verification of training, on design of treatment measures for water quality, not more than three years prior to the signature date by an organization with storm water treatment measure design expertise (e.g., a university, American Society of Civil Engineers, American Society of Landscape Architects, American Public Works Association, or the California Water Environment Association), and verify understanding of groundwater protection principles applicable to the project site (see Provision C.3.i of Regional Water Quality Control Board Order R2 2003 0022).

   c. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall submit, for review and approval by the City, a final Storm Water BMP Operation and Maintenance Plan in accordance with City of Antioch guidelines. This O&M plan shall incorporate City comments on the draft O&M plan and any revisions resulting from changes made during construction. The O&M plan shall be incorporated into the CC&Rs for the Project.

d. Prior to building permit final and issuance of a Certificate of Occupancy, the developer shall execute and record any agreements identified in the Storm Water Control Plan which pertain to the transfer of ownership and/or long-term maintenance of storm water treatment or hydrograph modification BMPs.

e. Prevent site drainage from draining across sidewalks and driveways in a concentrated manner.

f. Collect and convey all storm water entering, and/or originating from, the site to an adequate downstream drainage facility without diversion of the watershed. Submit hydrologic and hydraulic calculations with the Improvement Plans to Engineering Services for review and approval.

g. Prior to issuance of the grading permit, submit proof of filing of a Notice of Intent (NOI) by providing the unique Waste Discharge Identification Number (WDID#) issued from the Regional Water Quality Control Board.

h. Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP) for review to the Engineering Department prior to issuance of a building and/or grading permit. The general contractor and all subcontractors and suppliers of materials and equipment shall implement these BMP's. Construction site cleanup and control of construction debris shall also be addressed in this program. Failure to comply with the approved construction BMP may result in the issuance of correction notices, citations, or a project stop work order.

i. Install appropriate clean water devices at all private storm drain locations immediately prior to entering the public storm drain system. Implement Best Management Practices (BMP's) at all times.

j. Install on all catch basins "No Dumping, Drains to River" decal buttons.

k. If sidewalks are pressure washed, debris shall be trapped and collected to prevent entry into the storm drain system. No cleaning agent may be discharged into the storm drain. If any cleaning agent or degreaser is used, wash water shall be collected and discharged to the sanitary sewer, subject to the approval of the sanitary sewer District.

l. Include erosion control/storm water quality measures in the final grading plan that specifically address measures to prevent soil, dirt, and debris from entering the storm drain system. Such measures may include, but

are not limited to, hydro seeding, gravel bags and siltation fences and are subject to review and approval of the City Engineer. If no grading plan is required, necessary erosion control/storm water quality measures shall be shown on the site plan submitted for an on-site permit, subject to review and approval of the City Engineer. The developer shall be responsible for ensuring that all contractors and subcontractors are aware of and implement such measures.

m. Sweep or vacuum the parking lot(s) a minimum of once a month and prevent the accumulation of litter and debris on the site. Corners and hard to reach areas shall be swept manually.

n. Ensure that the area surrounding the project such as the streets stay free and clear of construction debris such as silt, dirt, dust, and tracked mud coming in from or in any way related to project construction. Areas that are exposed for extended periods shall be watered regularly to reduce wind erosion. Paved areas and access roads shall be swept on a regular basis. All trucks shall be covered.

o. Clean all on-site storm drain facilities a minimum of twice a year, once immediately prior to October 15 and once in January. Additional cleaning may be required if found necessary by City Inspectors and/or City Engineer.

6. Per State Regulations, all impervious surfaces including off-site roadways to be constructed as part of the project, are subject to C.3 requirements.

N. FINAL SUBDIVISION MAP REQUIREMENTS

1. The Final Subdivision Map submittal shall include all of the required information described in Title 9, Chapter 4, Article 5: Final Maps, of the Antioch Municipal Code, including, but not limited to:

a. Improvement security in one of the following forms:

i. Bond or bonds issued by one or more duly authorized corporate securities in an amount equal to 100% of the total estimated costs of the improvements for faithful performance, and in an amount equal to 100% of the total estimated costs of the improvements for labor and materials.

ii. A deposit, either with the city or a responsible escrow agent or trust company, at the option of the City Engineer, of money or negotiable bonds of the kind approved for securing deposits of public moneys, in the amounts and for security as specified above, to be released in the same manner as described above for bonds.

iii. An irrevocable letter of credit in form acceptable to the City Attorney issued by a financial institution acceptable to the City Attorney in an amount equal to 100% of the total estimated costs of the improvements for faithful performance, no part thereof to be released until such time as specified by state law.

b. An original, signed subdivision agreement, to be executed by the subdivider or his agent, guaranteeing the completion of the construction of the improvements required by the governing body within a specified time and payment therefore, satisfactory to the City Attorney as to legality and satisfactory to the City Engineer as to amount.

c. A letter from the Tax Collector showing that all payable taxes have been paid and a bond for the payment of taxes then a lien but not yet payable, as required by the Subdivision Map Act.

d. A cash payment, or receipt therefore, of all the fees required for the checking and filing of the maps and the inspections of the construction; payment for the street signs to be furnished and installed by the city, if required by the subdivider; a cash deposit for the payment of such fire hydrant rental fees as may be established by the respective fire districts or water company or district having jurisdiction; and any other applicable fees or deposits.

e. Deeds for the easements or rights-of-way for road purposes map.

f. Written evidence acceptable to the city, in the form of rights of entry or permanent easements across private property outside the subdivision, permitting or granting access to perform the necessary construction work and permitting the maintenance of the facility.

g. Agreements acceptable to the city, executed by the owners of existing utility easements within the proposed roads rights-of-way, consenting to the dedication of roads or consenting to the joint use

of the rights-of-way as may be required by the city for the purpose use and convenience of the roads.

h. A surety bond acceptable to the city, guaranteeing the payment of the taxes and assessments which will be a lien on the property, as set forth in the Subdivision Map Act, when applicable.

i. Payment of map maintenance fee.

j. Payment of the assessment district apportionment fee, if applicable.

k. Evidence of annexation into Police Services Fee CFD

l. Evidence of payment of Contra Costa County Flood Control District fees.

m. A preliminary soil report, prepared by a civil engineer who is registered by the state, based upon adequate test borings or excavations of every subdivision, as defined in Cal. Gov't Code §§ 66490 and 66491. The preliminary soil report may be waived if the City Engineer shall determine that, due to the knowledge of such department as to the soil qualities of the subdivision, no preliminary analysis is necessary.

2. Concurrent with, or prior to, submittal of the Final Subdivision Map, the developer shall submit evidence of annexation into all required districts, including Community Facilities District and Lighting and Landscape District.

O. MITIGATION MONITORING AND REPORTING PROGRAM

1. The developer shall comply with all mitigation measures identified in the Mitigation Monitoring and Reporting Program for the Deer Valley Estates Project.

P. PROJECT SPECIFIC CONDITIONS

1. This approval applies to the vesting tentative map, landscape plans, architectural elevations, utility plans, grading plans, storm water control plan and other design drawings provided to the City of Antioch on May 21, 2020.

2. The project shall be built continuously in one phase. If the project will become a phased project, then the developer shall provide a phasing plan to the Community Development Department.

3. The developer shall comply with all requirements of the California Department of Conservation Geologic Energy Management Division regarding the oil wells on the property.

4. To ensure that present and future property owners are aware of (a) the existence of all wells located on the property, and (b) potentially significant issues associated with any improvements near oil or gas wells, information regarding the wells and any other pertinent information shall be communicated to the appropriate county recorder with the recordation of the final map for inclusion in the title information of the subject real property, or on the adjacent lot if the well is in the right-of-way, by the developer. Copies of the recorded documents shall be provided to the Community Development Department

5. Any soil containing hydrocarbons shall be disposed of in accordance with local, state, and federal laws. The developer shall notify the appropriate authorities if soil containing significant amounts of hydrocarbons is discovered during development.

6. All plans shall have the design treatments on the front elevations wrapped to the fence line on each side, at a minimum.

7. No two like elevations of the same plan shall be constructed side by side. Building plot plans submitted by the applicant shall indicate the front elevation style (i.e. Contemporary Ranch, Mid-Century Modern, or Modern Prairie) to ensure that no two identical plans are built adjacent to one another on the same street.

8. The houses shall feature rain gutters and downspouts, with the downspouts and runoff of water adjacent to the foundations being collected into an underground conduit and discharged as approved by the City Engineer. The design and location of these gutters and downspouts shall be complementary to the house that they are installed upon, as approved by staff.

9. Windows on all elevations shall be articulated with built out trim and sills, as required for the design, that are compatible with the architectural style of the home.

10. The final landscaping plans shall show enhanced landscaping around the monument sign that coordinates with the front yard landscaping of the homes.

11. The color of the vinyl clad chain link fencing shown in Parcel A, the private park, shown on Sheet L1, shall be green.

12. If the right elevation of Plan 4 shall face a street side, an enhanced elevation shall be provided for the right elevation. Designs for the enhanced elevation shall be shown on the building permit submittal for review and approval by the Community Development Department.

13. All three front entryway columns of Plan 4C – Mid-Century Modern shall have stone veneer. These changes shall be shown on the building permit submittal for review and approval by the Community Development Department.

14. Plan 4B – Modern Prairie and Plan 4C – Mid-Century Modern shall have the stone veneers extended to the garage side of the homes and wrap to the fence lines on the left elevations. These changes shall be shown on the building permit submittal for review and approval by the Community Development Department.

15. The porch entrance of Plan 2C and 2CX – Mid-Century Modern elevations shall be redesigned to better integrate the entrance with the main body of the building and be constructed of columns instead of solid walls. The roof element shall be modified to include a coordinating trim. The redesigned entrance shall be shown on the building permit submittal for review and approval by the Community Development Department.

16. Plan 5C shall have the stone veneer on the entrance wrap fully around the right elevation entrance. The top of the entrance feature shall be capped with trim on all sides. These changes shall be shown on the building permit submittal for review and approval by the Community Development Department.

17. Plans 4 and 5 shall be revised to make the entrance feature more prominent in order to minimize massing of the home. These changes shall be shown on the building permit submittal for review and approval by the Community Development Department.

18. Homes taking advantage of the master deck option shall not have the deck overlooking onto side yards. The deck shall only overlook other back yards for privacy.

19. The front setbacks shall be varied, to the extent possible.

20. Interior streets shall have a right-of-way width of 56', street width of 36' from face-of-curb to face-of curb, 5' sidewalk on both sides of street, a minimum traffic index (TI) of 6, and a minimum pavement thickness of 4" AC over 12" Class II AB.

21. Mojave Way, Oneida Way, Piute Way, and Street 'F' entrances shall have a right-of-way width of 60', street width of 40' from face-of-curb to face-of curb, 5' sidewalk on both sides of street, a minimum traffic index (TI) of 6, and a minimum pavement thickness of 4" AC over 12" Class II AB.

22. Wellness Way shall have a right-of way width of 84' up until the intersection onto Street 'F' and a right-of way width of 62' from the section between Street 'F' and the terminus. Wellness Way shall be designed with a minimum traffic index (TI) of 7 and a minimum pavement thickness of 6" AC over 12" Class II AB.

23. A 1'-wide strip shall be dedicated to the City on the final map at the southern end of Oneida Way for the maintenance of access restrictions.

24. Prior to the issuance of the 1st building permit, Wellness Way shall be fully constructed.

25. Prior to the issuance of the 25th building permit, landscaping and structures on parcel 'F', located at the frontage of Deer Valley Road, shall be fully constructed.

26. Trail system pathways shall be a minimum width of 10 feet and concrete.

27. A six foot tall decorative concrete masonry unit sound wall shall be installed on the full southerly and westerly boundary of property prior to the issuance of the 7th building permit.

28. The sound wall shall use materials and colors that complement the neighborhood. The sound wall shall feature decorative columns or pilasters at regular intervals to provide relief. These changes shall be shown on the building permit submittal for review and approval by the Community Development Department.

29. The majority of the corner lots shall have single story homes plotted on them.

30. The wall shown to be built on the northern property line shall be replaced with wooden fencing that matches the rest of the rear and side yard fencing.

31. Fencing around Parcel ‘B’ stormwater detention basin shall be wrought iron or a black powder coated tubular steel fencing and a gate shall be provided for maintenance access.

32. Landscaping for Parcel ‘B’ stormwater detention basin shall be constructed and completed prior to the issuance of certificates of occupancy for Lots 68-76 and 108-121.

33. A driveway approach shall be constructed for Parcel ‘B’ stormwater detention basin maintenance to prevent vehicles being driven over sidewalk.

34. Project to comply with City Council Resolution No. 2006/79 and pay all costs and fees and accumulated interests apportioned by Public Benefits District (PW 628-BD) for this development.

35. As recommended by the Parks and Recreation Commission on November 19, 2020, the following condition shall apply prior to the issuance of the 1st building permit:

    a. Park-in-lieu fees in the amount of $181,500 shall be paid to the City of Antioch to meet the Project’s park land dedication obligation.

36. As recommended by the Parks and Recreation Commission on November 19, 2020, the “Private Park” shall meet all the City’s park design standards current at the time of park construction, shall include all access surfacing, and shall include a color scheme soothing for children with visual sensitivities.

37. The final private park design shall be reviewed and approved by the Parks and Recreation Commission prior to the issuance of a building permit for the park.

38. Project shall comply with all recommendations from the Traffic Impact Analysis (TIA) and Initial Study (IS) prior to the issuance of the 1st building permit:

    a. Intersection of Deer Valley Road/Prewett Ranch Drive shall utilize protected phasing for the eastbound and westbound left turn movements and optimize the signal timings.

    b. Bike lanes shall be added on Prewett Ranch Drive at the section between Forty Niner Way and Deer Valley Road.

39. With the submittal of all grading plans, improvement plans, and building permit plans, the applicant shall submit to the Community Development Department a Conditions and Mitigation Measures Compliance Matrix that lists: each Condition of Approval and Mitigation Measure, the City division responsible for review, and how the applicant meets the Condition of Approval or Mitigation Measure. The applicant shall update the compliance matrix and provide it with each submittal.

* * * * * * * *

I HEREBY CERTIFY that the foregoing recommendation was passed and adopted by the Planning Commission of the City of Antioch, at a regular meeting thereof, held on the 19th day of May 2021 by following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
FORREST EBBS
Secretary to the Planning Commission

ATTACHMENT C

Project Plans

Deer Valley, Antioch

Response to 2nd Incomplete letter

6 pages Civil: CBG VTM, Site Plan, Grading, Utility, Storm Water and Development Plan Dated 05/04/2020
8 pages Landscape: Ripley Design: Preliminary Landscape Site Plan date 05/07/2020
58 pages Architecture: KTGY Planning Submittal dated 05/01/2020

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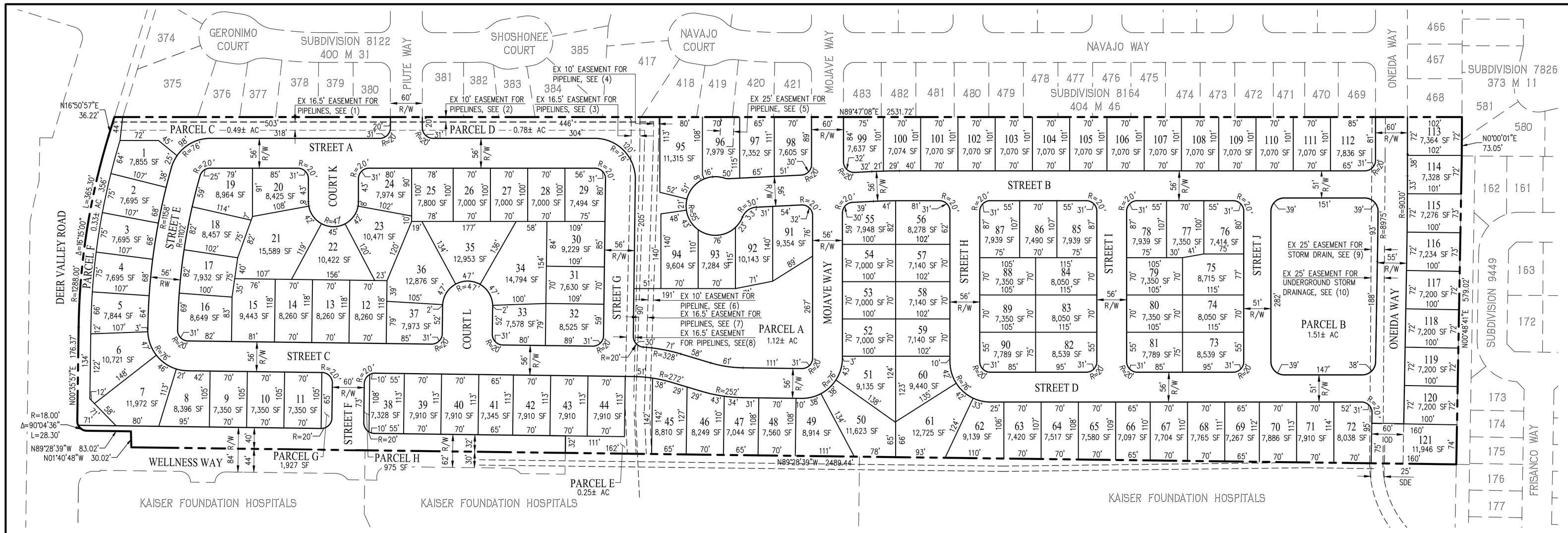

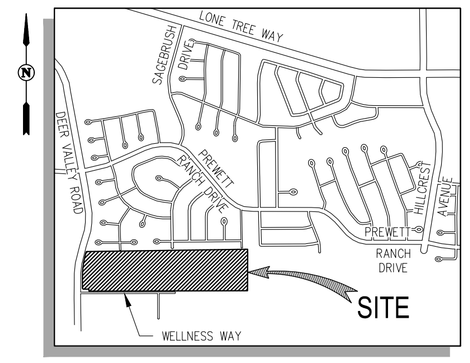

VICINITY MAP

NOT TO SCALE

LEGEND

EXISTING

	SUBDIVISION BOUNDARY
	LOT LINE
100	LOT NUMBER

PROPOSED

	LOT LINE
	RIGHT OF WAY
	EASEMENT
	CENTERLINE
	CURB
100	LOT NUMBER
45'	LOT DIMENSION
4,000 SF	LOT AREA

SHEET INDEX

SHEET NO.	DESCRIPTION	DATE
	CIVIL	
1	VESTING TENTATIVE MAP	5/4/2020
2	SITE PLAN	5/4/2020
3	CONCEPTUAL GRADING PLAN	5/4/2020
4	CONCEPTUAL UTILITY PLAN	5/4/2020
5	PRELIMINARY STORMWATER CONTROL PLAN	5/4/2020
6	PRELIMINARY DEVELOPMENT PLAN	5/4/2020
	ARCHITECTURE	
A0-01	COVER SHEET	5/1/2020
A1-10	PLAN 1 – STYLE 'A' – FLOOR PLAN	5/1/2020
A1-11	PLAN 1 – STYLE 'B' – FLOOR PLAN	5/1/2020
A1-12	PLAN 1 – STYLE 'C' – FLOOR PLAN	5/1/2020
A1-20	PLAN 1 – PERSPECTIVES	5/1/2020
A1-21	PLAN 1 – FRONT ELEVATIONS	5/1/2020
A1-22	PLAN 1 – STYLE 'A' – EXT EL. & ROOF PLAN	5/1/2020
A1-23	PLAN 1 – STYLE 'B' – EXT EL. & ROOF PLAN	5/1/2020
A1-24	PLAN 1 – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A2-10	PLAN 2 – STYLE 'A' – FLOOR PLAN	5/1/2020
A2-11	PLAN 2 – STYLE 'B' – FLOOR PLAN	5/1/2020
A2-12	PLAN 2 – STYLE 'C' – FLOOR PLAN	5/1/2020
A2-20	PLAN 2 – PERSPECTIVES	5/1/2020
A2-21	PLAN 2 – FRONT ELEVATIONS	5/1/2020
A2-22	PLAN 2 – STYLE 'A' – EXT EL. & ROOF PLAN	5/1/2020
A2-23	PLAN 2 – STYLE 'B' – EXT EL. & ROOF PLAN	5/1/2020
A2-24	PLAN 2 – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A2X-10	PLAN 2X – STYLE 'A' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A2X-11	PLAN 2X – FLOOR PLAN OPTIONS	5/1/2020
A2X-12	PLAN 2X – STYLE 'B' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A2X-13	PLAN 2X – STYLE 'C' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A2X-20	PLAN 2X – PERSPECTIVES	5/1/2020
A2X-21	PLAN 2X – FRONT ELEVATIONS	5/1/2020
A2X-22	PLAN 2X – STYLE 'A' – EXT. EL. & ROOF PLAN	5/1/2020
A2X-23	PLAN 2X – STYLE 'B' – EXT EL. & ROOF PLAN	5/1/2020
A2X-24	PLAN 2X – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A2X-25	PLAN 2X – OPTIONAL DECK	5/1/2020
A3-10	PLAN 3 – STYLE 'A' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A3-11	PLAN 3 – FLOOR PLAN OPTIONS	5/1/2020
A3-12	PLAN 3 – STYLE 'B' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A3-13	PLAN 3 – STYLE 'C' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A3-20	PLAN 3 – PERSPECTIVES	5/1/2020

SHEET INDEX (CONTINUED)

SHEET NO.	DESCRIPTION	DATE
A3-21	PLAN 3 – FRONT ELEVATIONS	5/1/2020
A3-22	PLAN 3 – STYLE 'A' – EXT. EL. & ROOF PLAN	5/1/2020
A3-23	PLAN 3 – STYLE 'B' – EXT EL. & ROOF PLAN	5/1/2020
A3-24	PLAN 3 – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A3-25	PLAN 3 – OPTIONAL LOGGIA	5/1/2020
A3-26	PLAN 3 – OPTIONAL DECK	5/1/2020
A4-10	PLAN 4 – STYLE 'A' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A4-11	PLAN 4 – FLOOR PLAN OPTIONS	5/1/2020
A4-12	PLAN 4 – STYLE 'B' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A4-13	PLAN 4 – STYLE 'C' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A4-20	PLAN 4 – PERSPECTIVES	5/1/2020
A4-21	PLAN 4 – FRONT ELEVATIONS	5/1/2020
A4-22	PLAN 4 – STYLE 'A' – EXT. EL. & ROOF PLAN	5/1/2020
A4-23	PLAN 4 – STYLE 'B' – EXT EL. & ROOF PLAN	5/1/2020
A4-24	PLAN 4 – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A4-25	PLAN 4 – OPTIONAL LOGGIA	5/1/2020
A4-26	PLAN 4 – OPTIONAL DECK	5/1/2020
A5-10	PLAN 5 – STYLE 'A' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A5-11	PLAN 5 – FLOOR PLAN OPTIONS	5/1/2020
A5-12	PLAN 5 – STYLE 'B' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A5-13	PLAN 5 – STYLE 'C' – FIRST AND SECOND FLOOR PLAN	5/1/2020
A5-20	PLAN 5 – PERSPECTIVES	5/1/2020
A5-21	PLAN 5 – FRONT ELEVATIONS	5/1/2020
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A5-24	PLAN 5 – STYLE 'C' – EXT. EL. & ROOF PLAN	5/1/2020
A5-25	PLAN 5 – OPTIONAL LOGGIA	5/1/2020
A5-26	PLAN 5 – OPTIONAL DECK	5/1/2020
	LANDSCAPE	
L1	SITE PLAN	3/17/2020
L2	COMMUNITY PARK PLAN ENLARGEMENT	3/17/2020
L3	TRAIL PLAN ENLARGEMENT	3/17/2020
L4	SITE DETAILS	3/17/2020
L5	FRONT YARD TYPICALS	3/17/2020
L6	FRONT YARD TYPICALS	3/17/2020
L7	SITE DATA – WELO CONFORMANCE	3/17/2020
L8	SITE DATA – WELO CONFORMANCE	3/17/2020

GENERAL NOTES

1. PROPERTY OWNER: WEST STATE COMPANY, A CALIFORNIA LIMITED PARTNERSHIP
440 FIFTH STREET WEST, SUITE B
SONOMA, CA 95476
ATTN: ROBERT MAREK

2. APPLICANT/DEVELOPER: BLUE MOUNTAIN COMMUNITIES, INC.
707 ALDRIDGE ROAD, SUITE B
VACAVILLE, CA 95688
ATTN: CARLOS YANEZ

3. ENGINEER: CARLSON, BARBEE, & GIBSON, INC.
2633 CAMINO RAMON, SUITE 350
SAN RAMON, CA 94583
PHONE: (925) 866-0322
ATTN: ANDREA BELLANCA, RCE 61806

4. SOILS ENGINEER: ENGEO, INC.
17278 GOLDEN VALLEY PARKWAY
LATHROP, CA 95330
PHONE: (209) 835-0610
SOILS REPORT #15896.000.000

5. SUBJECT PROPERTY: APN 055-071-026 (3.31 AC), APN 057-022-013 (34.25 AC)

6. USE: EXISTING: AGRICULTURAL/ VACANT LAND
PROPOSED: SINGLE FAMILY DETACHED RESIDENTIAL

7. GENERAL PLAN: EXISTING: SAND CREEK FOCUS AREA–LOW DENSITY RESIDENTIAL
PROPOSED: SAND CREEK FOCUS AREA – LOW DENSITY RESIDENTIAL

8. ZONING: EXISTING: PLANNED DEVELOPMENT (PD)
PROPOSED: PLANNED DEVELOPMENT (PD)

9. LAND AREA SUMMARY:

RESIDENTIAL LOT AREA (LOT 1–121)	22.80± AC
PRIVATE OPEN SPACE (PARCELS A, C, & D)	2.41± AC
PRIVATE LANDSCAPE (PARCELS E–H)	0.65±AC
PUBLIC STREET	10.19± AC
WATER QUALITY/DETENTION (PARCEL B)	1.51± AC
TOTAL AREA	37.56± AC

10. TOTAL NO. OF EX LOTS: 2

PARCEL SUMMARY

PARCEL	LAND USE	ACREAGE	OWNER
PARCEL A	PARK	1.12 AC	HOA
PARCEL B	WATER QUALITY/ DETENTION	1.51 AC	HOA
PARCEL C	LANDSCAPE	0.49 AC	HOA
PARCEL D	LANDSCAPE	0.78 AC	HOA
PARCEL E	LANDSCAPE	0.25 AC	HOA
PARCEL F	LANDSCAPE	0.25 AC	HOA
PARCEL G	LANDSCAPE	1,927 SF	HOA
PARCEL H	LANDSCAPE	975 SF	HOA

GENERAL NOTES (CONTINUED)

11. TOTAL NO. OF PR. LOTS: 121
MIN LOT SIZE: 7,000± SF
AVG LOT SIZE: 8,172± SF
MAX LOT COVERAGE: 40%

12. TOTAL NO. OF PROPOSED PARCELS: 8

13. DENSITY: 121 DWELLING UNITS/37.56 ACRES = 3.2 DWELLING UNITS/AC (GROSS)
121 DWELLING UNITS/34.44 ACRES = 3.5 DWELLING UNITS/AC (NET)

14. UTILITIES:
WATER: CITY OF ANTIOCH
SEWER: CITY OF ANTIOCH
STORM DRAIN: CITY OF ANTIOCH
GAS & ELECTRIC: PACIFIC GAS & ELECTRIC
TELEPHONE: AT&T
CABLE TV: COMCAST

15. CONTOUR INTERVALS: EXISTING – 1 FOOT
PROPOSED – 1 FOOT

16. PROPOSED GRADING AS SHOWN IS PRELIMINARY. FINAL GRADING IS SUBJECT TO FINAL DESIGN.

17. ALL GRADING WILL BE IN CONFORMANCE WITH THE RECOMMENDATIONS AND CONDITIONS OF THE GEOTECHNICAL ENGINEER AND REPORT REGARDING THIS PROJECT.

18. ASSUMED MAXIMUM CUT OR FILL SLOPE IS 2:1. (TO BE VERIFIED WITH DESIGN LEVEL GEOTECHNICAL REPORT)

19. ALL TREES AND FENCES WITHIN DEVELOPED AREA TO BE REMOVED, UNLESS NOTED OTHERWISE. NO TREES WITH TRUNK DIAMETER 4" OR GREATER WERE FOUND ON THE SITE.

20. BOUNDARY IS PER FIELD SURVEY.

21. PROPOSED PROPERTY IS NOT SUBJECT TO INUNDATION.
FLOOD HAZARD DESIGNATION: ZONE X (AREA OF MINIMAL FLOOD HAZARD)
SOURCE: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA),
FLOOD INSURANCE RATE MAP, MAP NUMBER 06013C0335F, EFFECTIVE JUNE 16, 2009

22. ALL STREETS ARE PUBLIC, TO BE MAINTAINED BY THE CITY OF ANTIOCH.

23. MULTIPLE FINAL MAPS MAY BE FILED ON THE LANDS SHOWN ON THIS MAP.
A MASTER FINAL MAP MAY BE FILED TO CREATE SELLABLE PARCELS.

EXISTING EASEMENTS

(1) 16.5' EASEMENT FOR PIPELINES IN FAVOR OF CHEVRON U.S.A AND STANDARD GASOLINE COMPANY PER BK 16702, OR PG 203

(2) 10' EASEMENT FOR PIPELINES IN FAVOR OF SFPP PER BK 16702, OR PG 207

(3) 16.5' EASEMENT FOR PIPELINES, TELEPHONE AND TELEGRAPH LINES IN FAVOR OF STANDARD OIL COMPANY OF CALIFORNIA AND STANDARD GASOLINE COMPANY PER BK 823, OR PG 137

(4) 10' EASEMENT FOR PIPELINES AND APPURTENANCES IN FAVOR OF SOUTHERN PACIFIC PIPE LINES PER BK 11573, OR PG 733

(5) 25' EASEMENT FOR PIPELINES IN FAVOR OF SHELL OIL COMPANY PER BK 4867, OR PG 77, TO BE QUITCLAIMED

(6) 10' EASEMENT FOR PIPELINES IN FAVOR OF SOUTHERN PACIFIC PIPE LINES PER BK 12562, OR PG 572

(7) 16.5' EASEMENT FOR PIPELINES, TELEPHONE AND TELEGRAPH LINES IN FAVOR OF STANDARD OIL COMPANY OF CALIFORNIA AND STANDARD GASOLINE COMPANY PER BK 847, OR PG 218 AND BK 859, OR PG 62

(8) 16.5' EASEMENT FOR PIPELINES, TELEPHONE AND TELEGRAPH LINES IN FAVOR OF STANDARD OIL COMPANY OF CALIFORNIA AND STANDARD GASOLINE COMPANY PER BK 826, OR PG 470

(9) 25' EASEMENT FOR STORM DRAIN AS DISCLOSED BY OFF-RECORD MATTERS

(10) 25' EASEMENT FOR UNDERGROUND STORM DRAINAGE IN FAVOR OF CITY OF ANTIOCH PER BK 17916 OR PG 343, TO BE QUITCLAIMED

ABBREVIATIONS

BW	BACK OF WALK
CL	CENTERLINE
DU	DWELLING UNIT
EG	EXISTING GROUND
ELEV	ELEVATION
EX	EXISTING
FG	FINISHED GROUND
GB	GRADE BREAK
HOA	HOMEOWNERS ASSOCIATION
IOD	IRREVOCABLE OFFER OF DEDICATION
LL	LOT LINE
LS	LANDSCAPE
P	PAD
PL	PROPERTY LINE
R	RADIUS
R/W	RIGHT OF WAY
SD	STORM DRAIN
SDE	STORM DRAIN EASEMENT
SF	SQUARE FOOTAGE
SS	SANITARY SEWER
SW	SIDEWALK
TC	TOP OF CURB
T.O.P	TOP OF PIPE
TW	TOP OF WALL
W	WATER

VESTING TENTATIVE MAP
DEER VALLEY ESTATES
SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 100' 300' 400'

SCALE: 1" = 100'

DATE: MAY 4, 2020
JOB NO.: 2689-010

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SHEET NO. 1 OF 6 SHEETS

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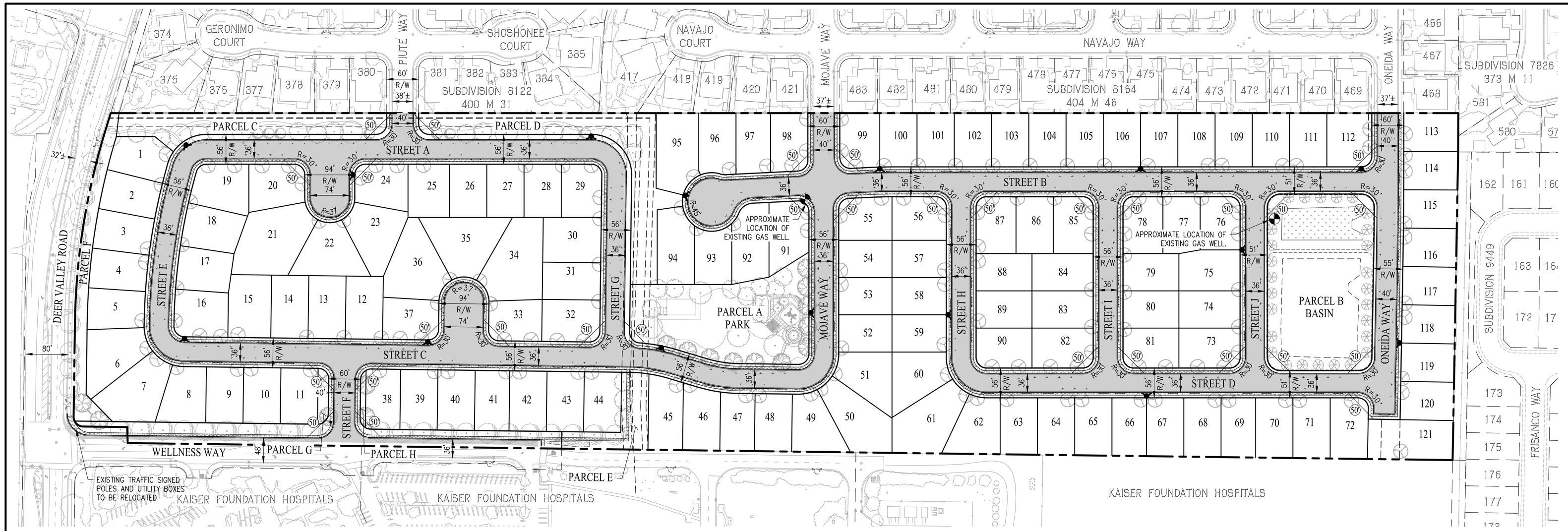
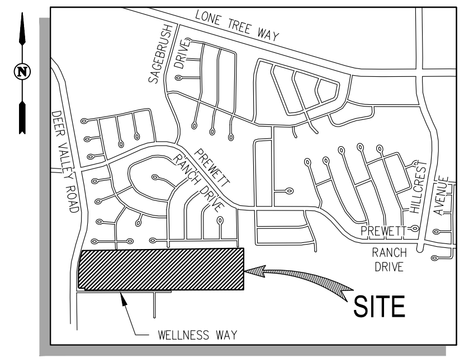
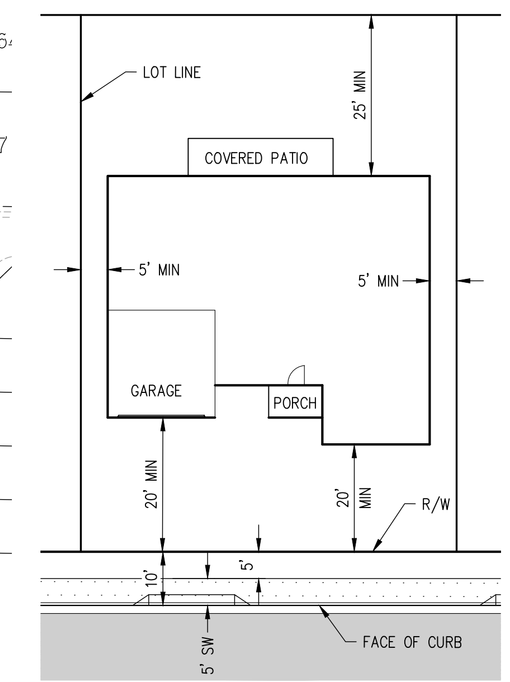




VICINITY MAP

NOT TO SCALE

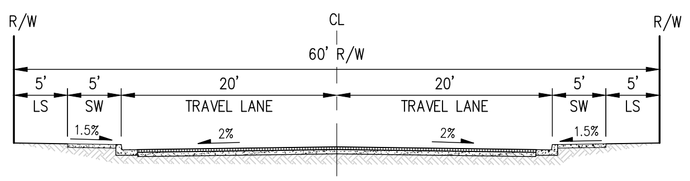


MINIMUM LOT SETBACKS

SCALE: 1" = 20'

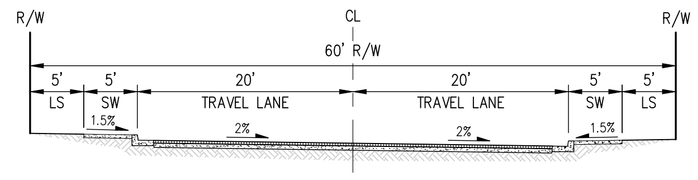
SETBACK NOTES:

1. CORNER LOTS SHALL HOME A 10-FOOT MINIMUM SIDE YARD SETBACK ON THE STREET SIDE.
2. TWO-STORY HOMES SHALL HAVE A 10-FOOT MINIMUM SIDE YARD ON ONE SIDE.



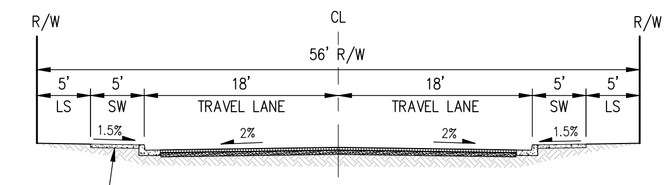
PIUTE WAY AND MOJAVE WAY (60' R/W)

NOT TO SCALE



ONEIDA WAY (60' R/W)

NOT TO SCALE



STREET A AND STREET G WILL HAVE SIDEWALK ON ONE SIDE OF THE STREET ONLY

56' R/W

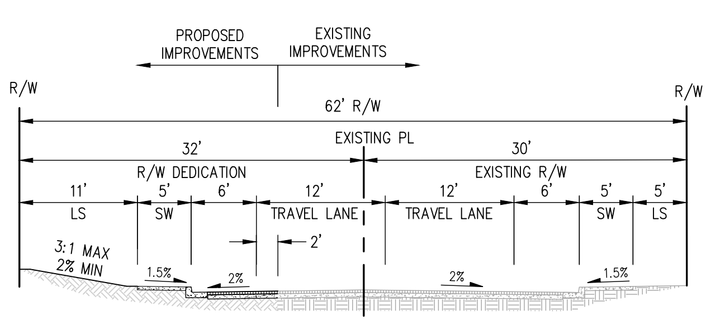
TYPICAL INTERNAL STREET
NOT TO SCALE

PARKING SUMMARY

PARKING TYPE	PARKING REQUIRED	PARKING PROVIDED
GARAGE (COVERED)	242 SPACES (2 PER DU)	267 SPACES
GUEST PARKING (ON-STREET)	121 SPACES (1 PER DU)	232 SPACES
TOTAL	363 SPACES	495 SPACES

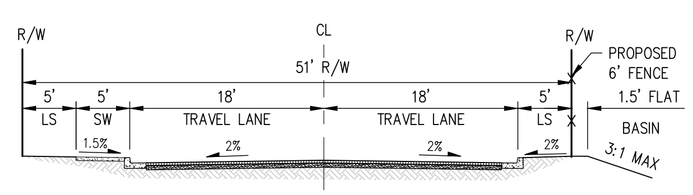
PARKING NOTES:

1. GARAGE PARKING PROVIDED IS THE MINIMUM NUMBER POSSIBLE BASED ON ARCHITECTURE PLANS PROVIDED BY KTGY DATED OCTOBER 21, 2019. PLAN 1, PLAN 2, AND PLAN 2X HAVE A 2-CAR GARAGE. PLAN 3 HAS A STANDARD 3-CAR GARAGE WITH A 2-CAR GARAGE OPTION. PLAN 4 HAS A 3-CAR GARAGE.



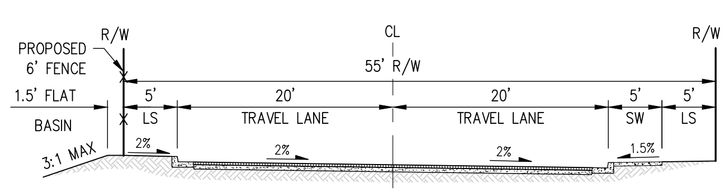
WELLNESS WAY(62' R/W)

(LOOKING EAST)
NOT TO SCALE



51' R/W (AROUND PARCEL B)

SIDEWALK ON ONE SIDE ONLY
NOT TO SCALE

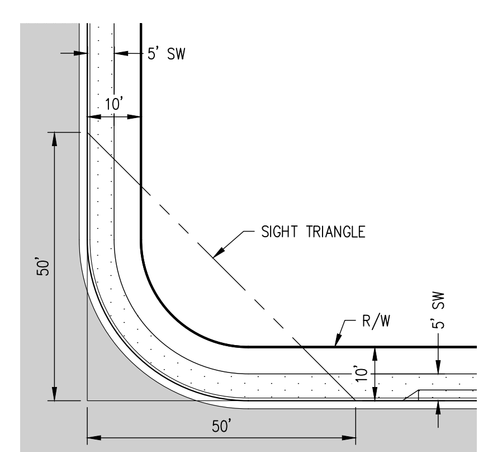


55' R/W (AROUND PARCEL B)

SIDEWALK ON ONE SIDE ONLY
NOT TO SCALE

NOTES:

1. 50-FOOT SIGHT VISIBILITY TRIANGLE APPLIES ONLY AT UNCONTROLLED, UNSIGNALIZED INTERSECTIONS PER CITY OF ANTIOCH MUNICIPAL CODE SECTION 9-5.1101. DOES NOT APPLY AT ELBOWS AND KNUCKLES.
2. ON-STREET PARKING WILL NOT BE STRIPED. STRIPED PARKING STALLS ARE SHOWN TO DEMONSTRATE COMPLIANCE WITH THE SINGLE-FAMILY RESIDENTIAL (DETACHED) GUEST PARKING REQUIREMENT SET FORTH IN CITY OF ANTIOCH MUNICIPAL CODE SECTION 9-5.1703.1.
3. PARALLEL PARKING SPACES ARE SHOWN AT 23 FEET LONG.
4. LANDSCAPING IS SHOWN FOR REFERENCE ONLY. SEE SHEET L1-L8 FOR MORE INFORMATION.

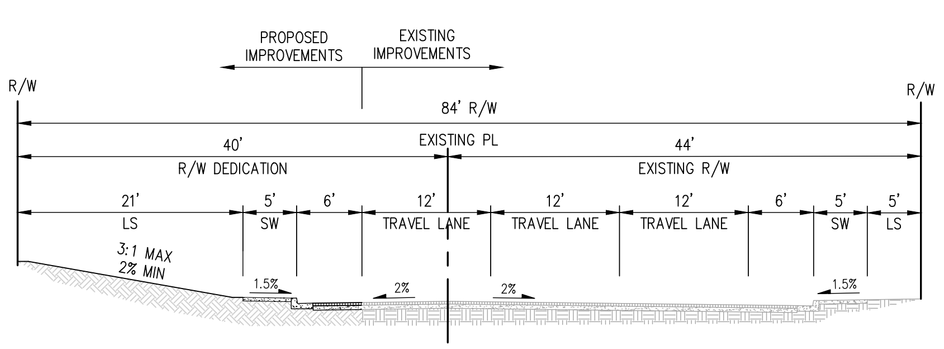


50' SIGHT TRIANGLE

SCALE: 1" = 20'

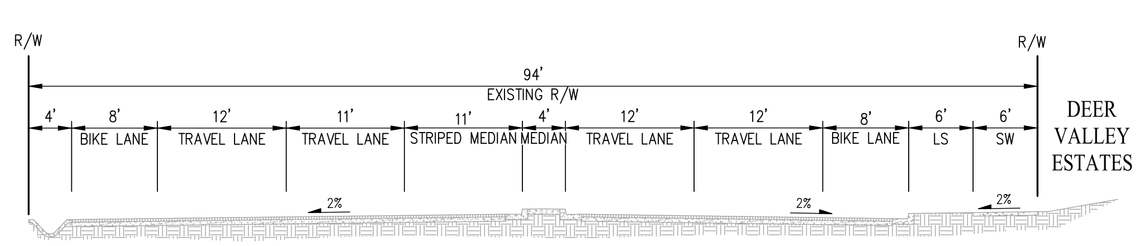
LEGEND

EXISTING	PROPOSED	
		SUBDIVISION BOUNDARY
		LOT LINE
		RIGHT OF WAY
		EASEMENT
		CENTERLINE
		CURB
		FIRE HYDRANT
		WATER VALVE
		50' SIGHT VISIBILITY TRIANGLE
		STREET SIGN



WELLNESS WAY(84' R/W)

(LOOKING EAST)
NOT TO SCALE



DEER VALLEY ROAD (EXISTING)

NOT TO SCALE

SITE PLAN

DEER VALLEY ESTATES

SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 100' 300' 400'

SCALE: 1" = 100'

DATE: MAY 4, 2020
JOB NO.: 2689-010

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SHEET NO. 2 OF 6 SHEETS

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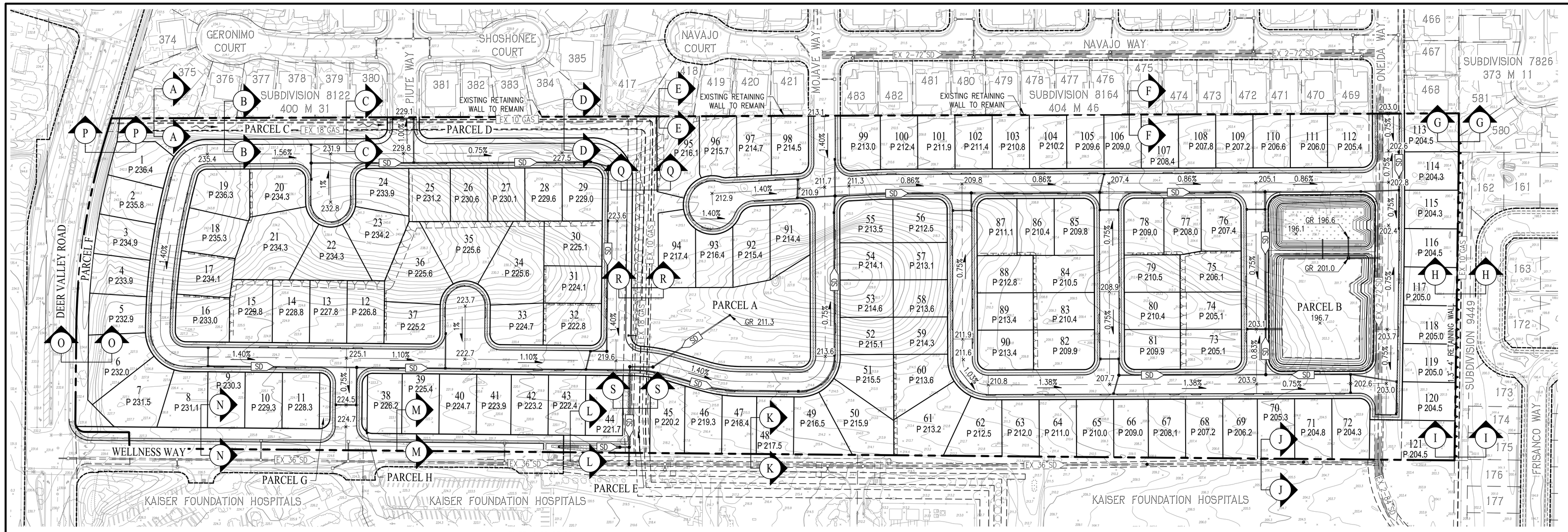
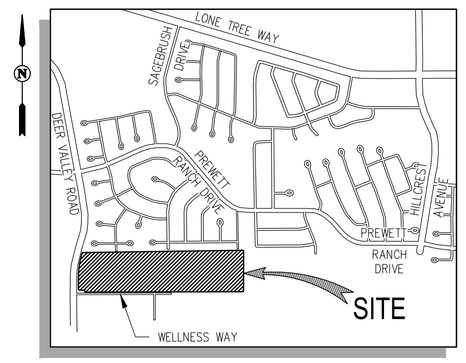




VICINITY MAP

NOT TO SCALE

NOTES:

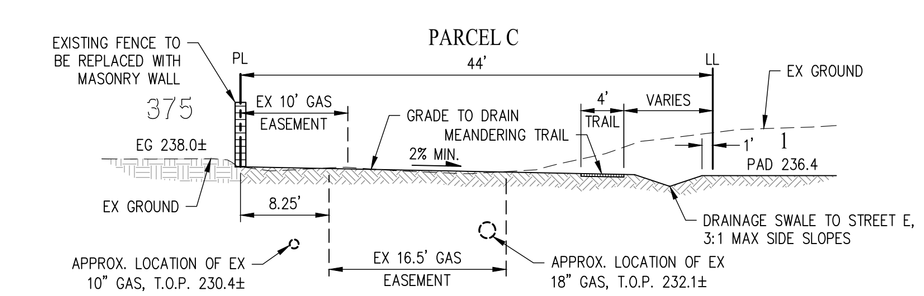
1. PADS ARE DESIGNED FOR A MAXIMUM DRIVEWAY SLOPE OF 12%

EARTHWORK SUMMARY

DESCRIPTION	CUT (CY)	FILL (CY)
ROUGH GRADING	114,380	96,880
SHRINKAGE (10%, ASSUMED)	(11,440)	–
CONSOLIDATION (0.1' OVER GRADED AREA, ASSUMED)	(6,060)	–
TOTAL	96,880	96,880

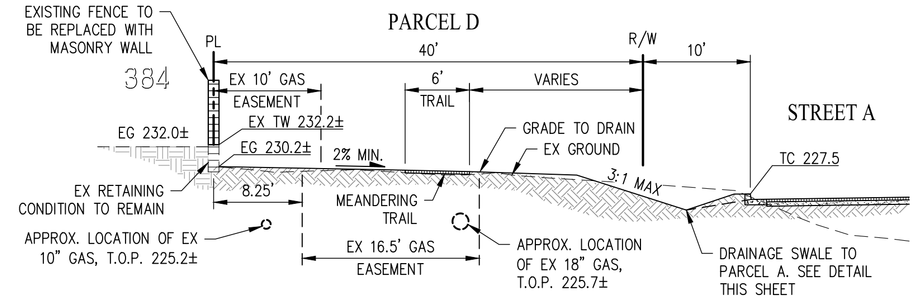
EARTHWORK NOTES:

1. A STREET UNDERCUT OF 6" WAS ASSUMED TO ACCOUNT FOR UTILITY SPOILS.
2. FINAL DESIGN GRADES MAY BE ADJUSTED.



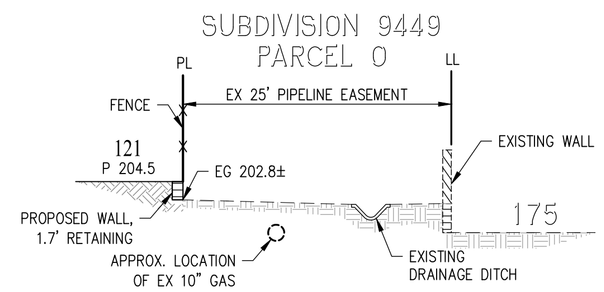
SECTION A-A

SCALE: 1"=10'



SECTION D-D

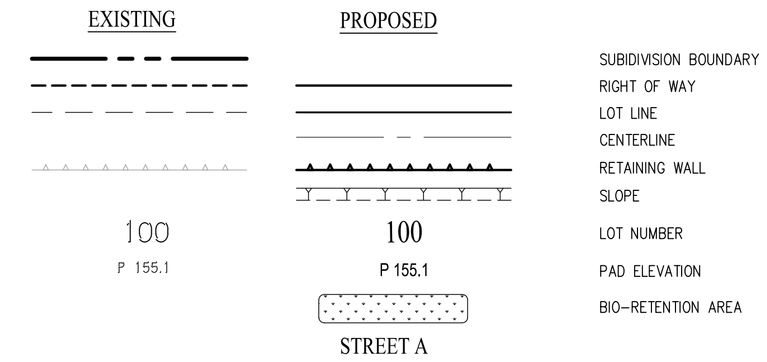
NOT TO SCALE

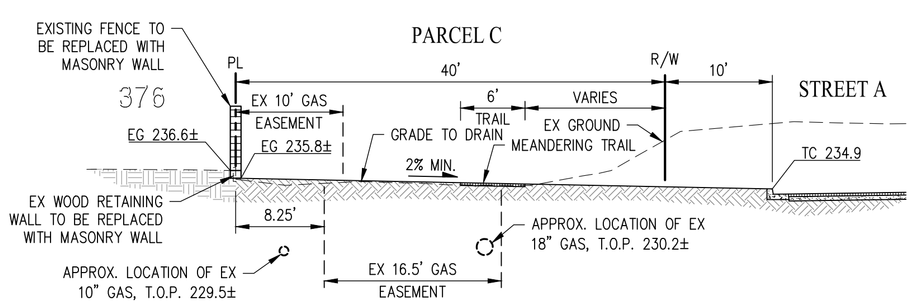


SECTION I-I

SCALE: 1"=10'

LEGEND





SECTION B-B

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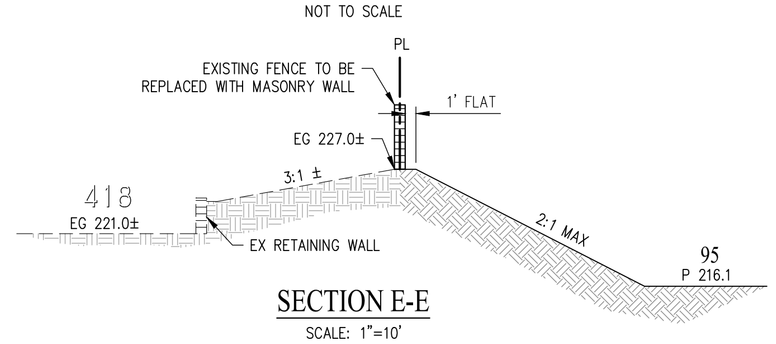

SECTION E-E

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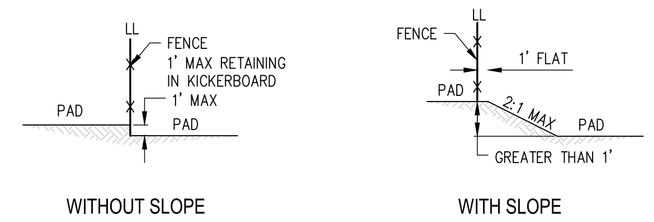
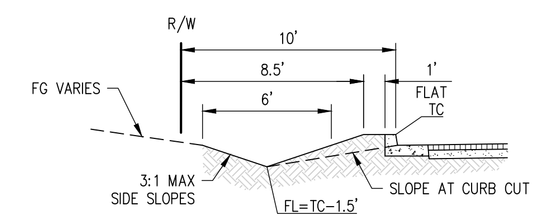


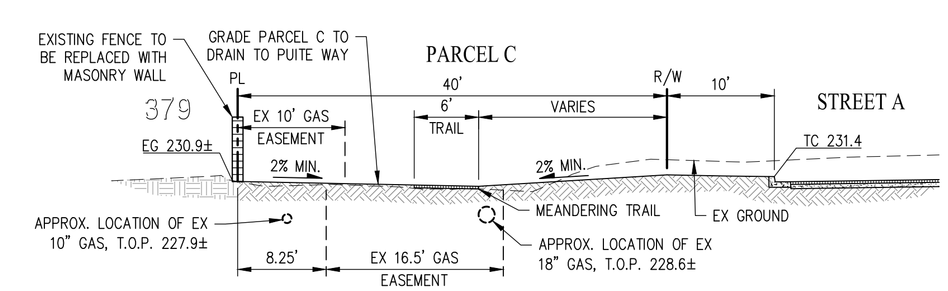
TYPICAL GRADING ACROSS LOT LINES

NOT TO SCALE



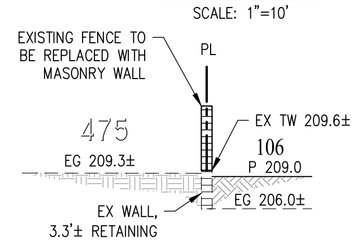
DRAINAGE SWALE DETAIL

NOT TO SCALE



SECTION C-C

SCALE: 1"=10'



SECTION F-F

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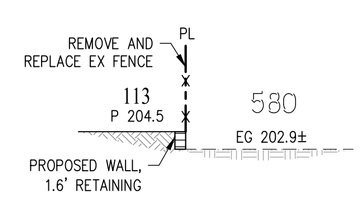
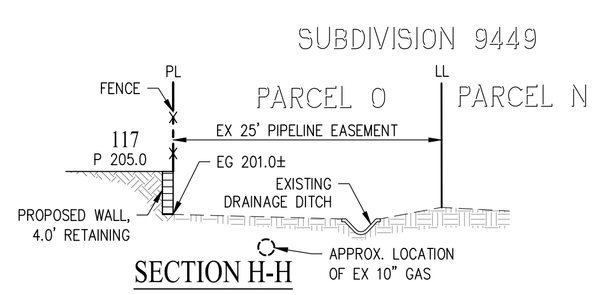


SECTION G-G

SCALE: 1"=10'

NOTE: GRADING SECTIONS ARE CONTINUED ON SHEET 4



SECTION H-H

SCALE: 1"=10'

CONCEPTUAL GRADING PLAN

DEER VALLEY ESTATES

SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 100' 300' 400'

SCALE: 1" = 100'

DATE: MAY 4, 2020

JOB NO.: 2689-010

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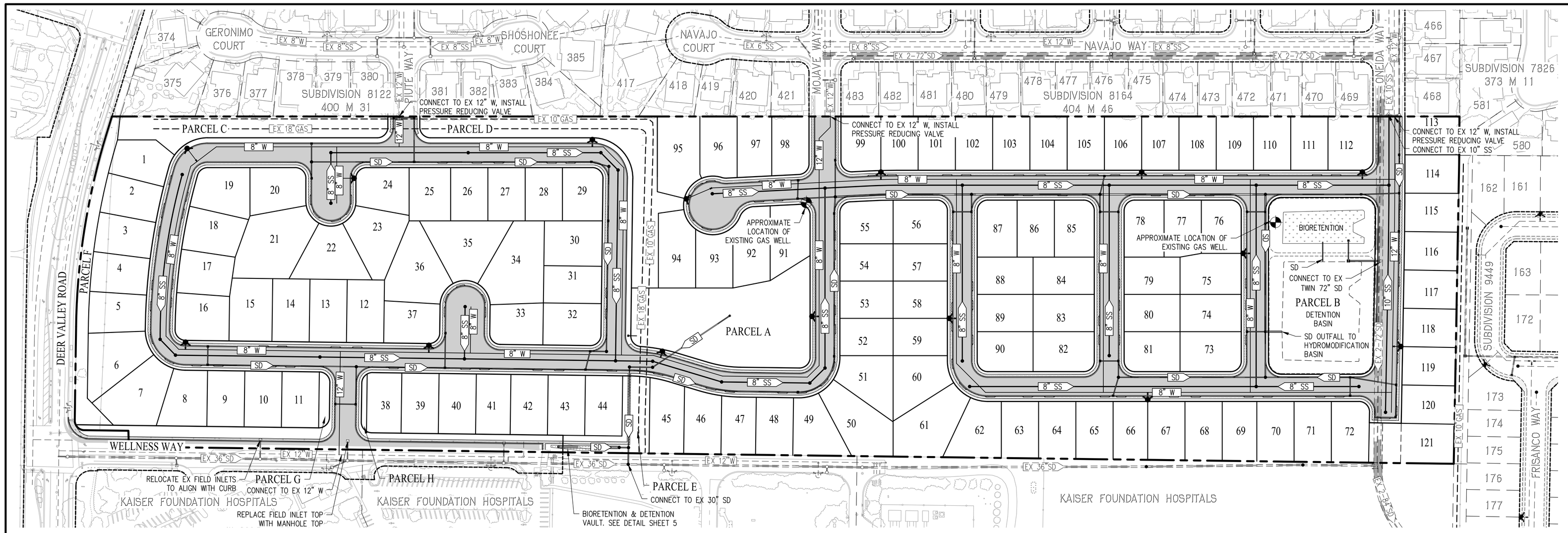
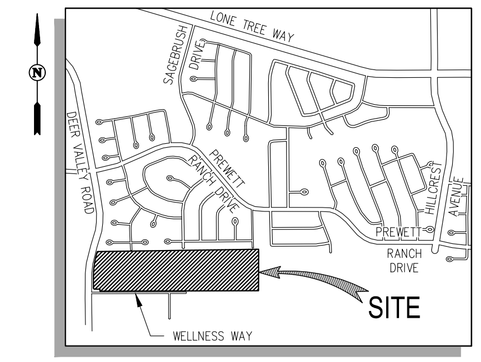
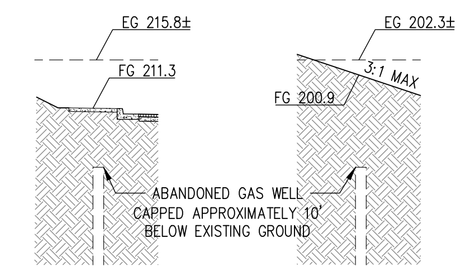




VICINITY MAP

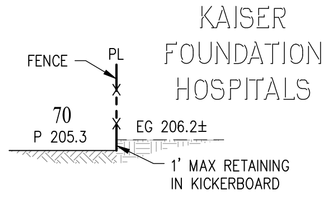
NOT TO SCALE



NOTE: GAS WELL CAPPED DEPTH IS BASED ON RECORD INFORMATION AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

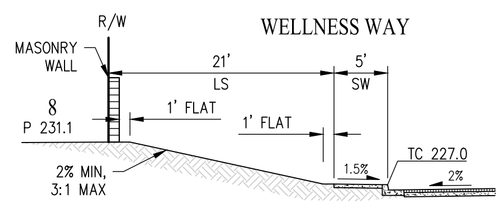
GAS WELL SCHEMATIC

NOT TO SCALE



SECTION J-J

SCALE: 1"=10'



SECTION N-N

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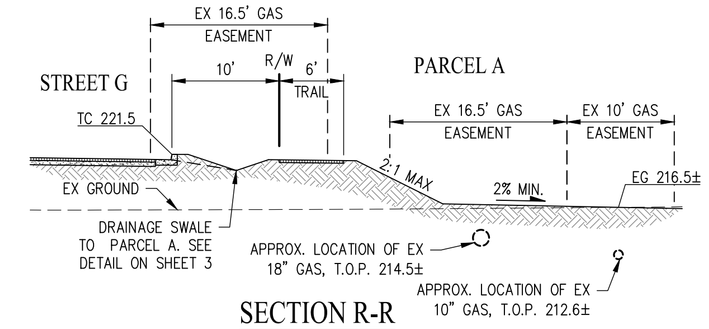

SECTION R-R

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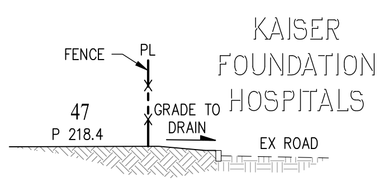

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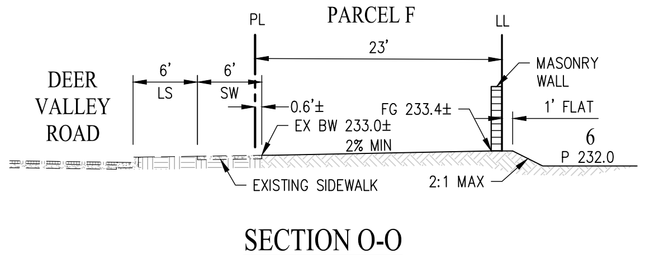

SECTION O-O

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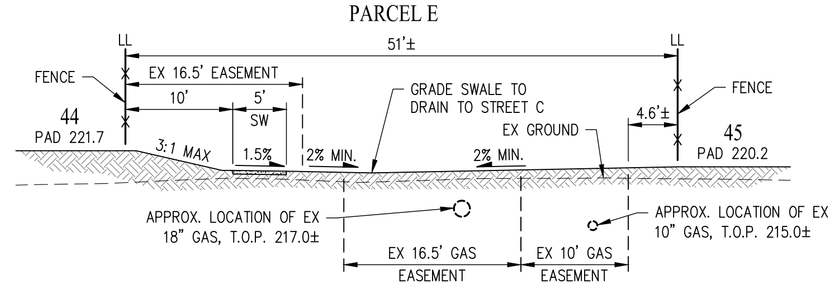
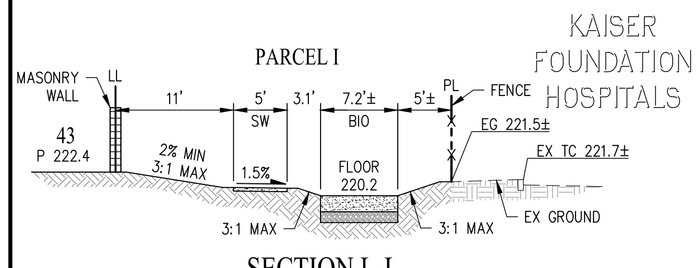


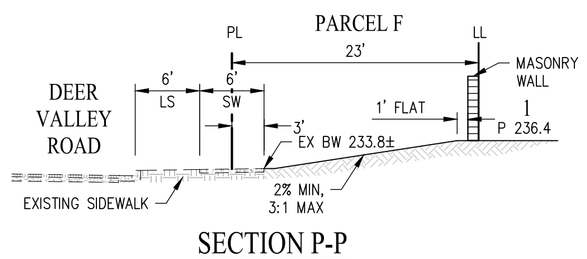
SECTION S-S

SCALE: 1"=10'



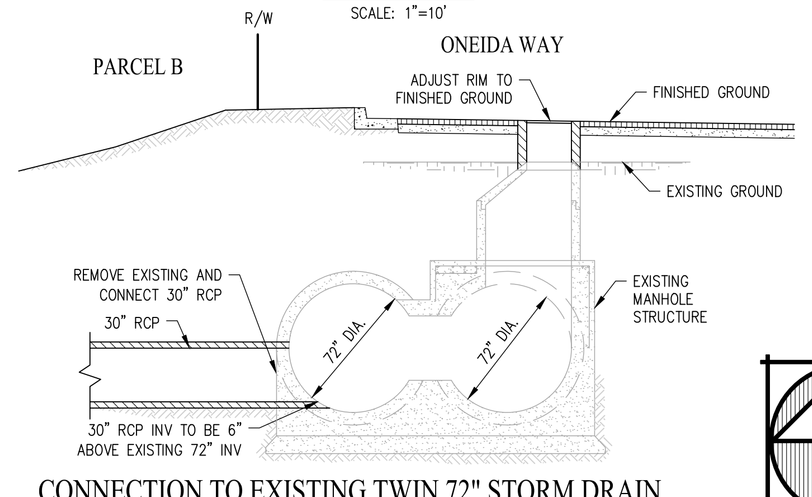
SECTION L-L

SCALE: 1"=10'



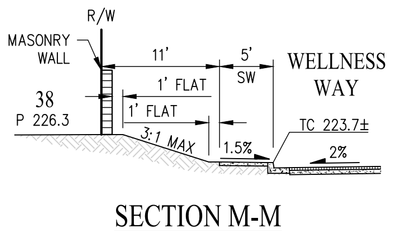
SECTION P-P

SCALE: 1"=10'



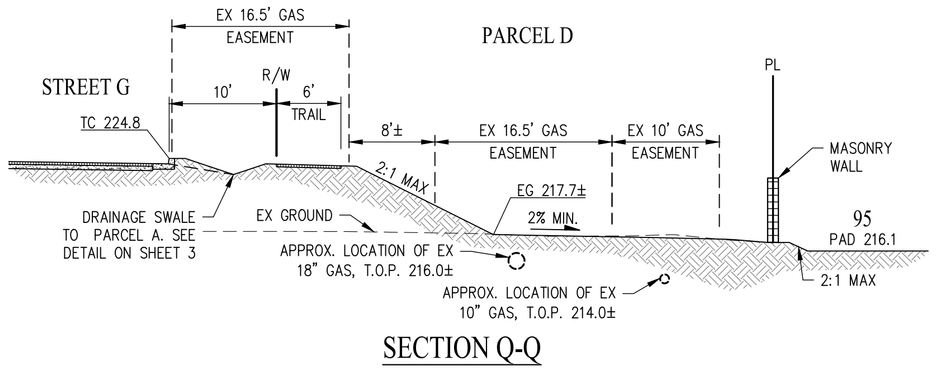
CONNECTION TO EXISTING TWIN 72" STORM DRAIN

NOT TO SCALE



SECTION M-M

SCALE: 1"=10'



SECTION Q-Q

SCALE: 1"=10'

LEGEND

EXISTING	PROPOSED	
EX SD	SD	STORM DRAIN LINE
EX SS	SS	SANITARY SEWER LINE
EX W	W	WATER LINE
EX GAS		GAS PIPE
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		CATCH BASIN
		FIELD INLET
		FIRE HYDRANT
		WATER VALVE
		BIO-RETENTION AREA

NOTE: GRADING SECTION LOCATIONS ARE SHOWN ON SHEET 3

CONCEPTUAL UTILITY PLAN
DEER VALLEY ESTATES
SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 100' 300' 400'

SCALE: 1" = 100'

DATE: MAY 4, 2020
JOB NO.: 2689-010

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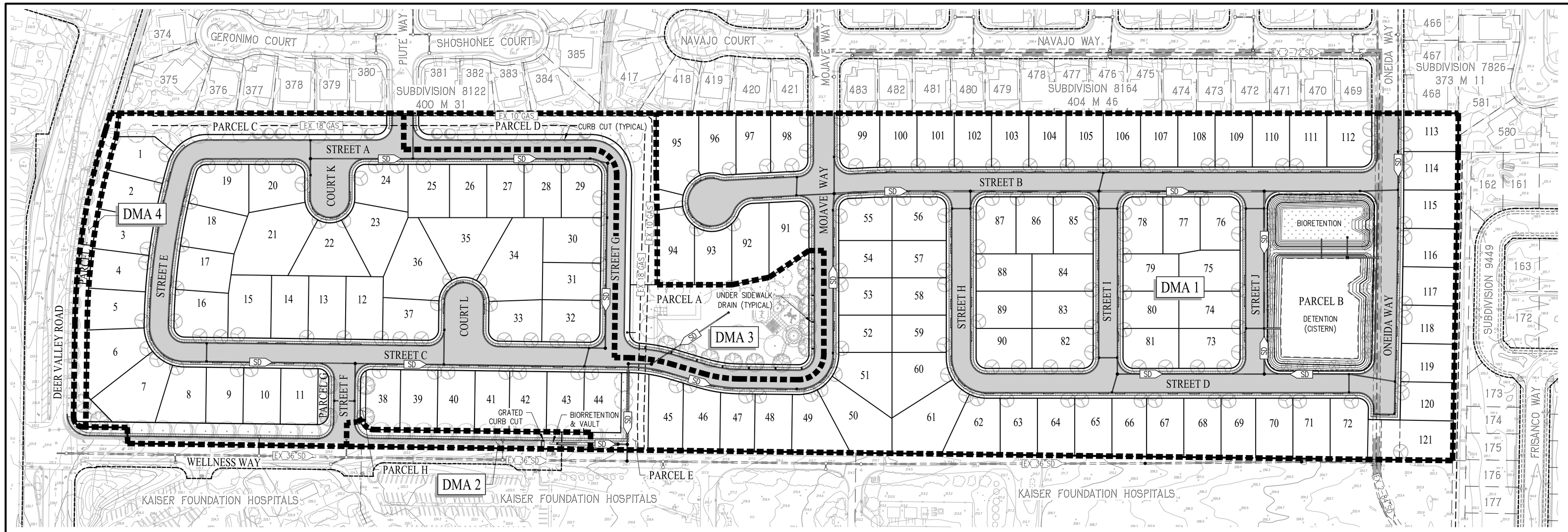


VICINITY MAP

NOT TO SCALE

LEGEND

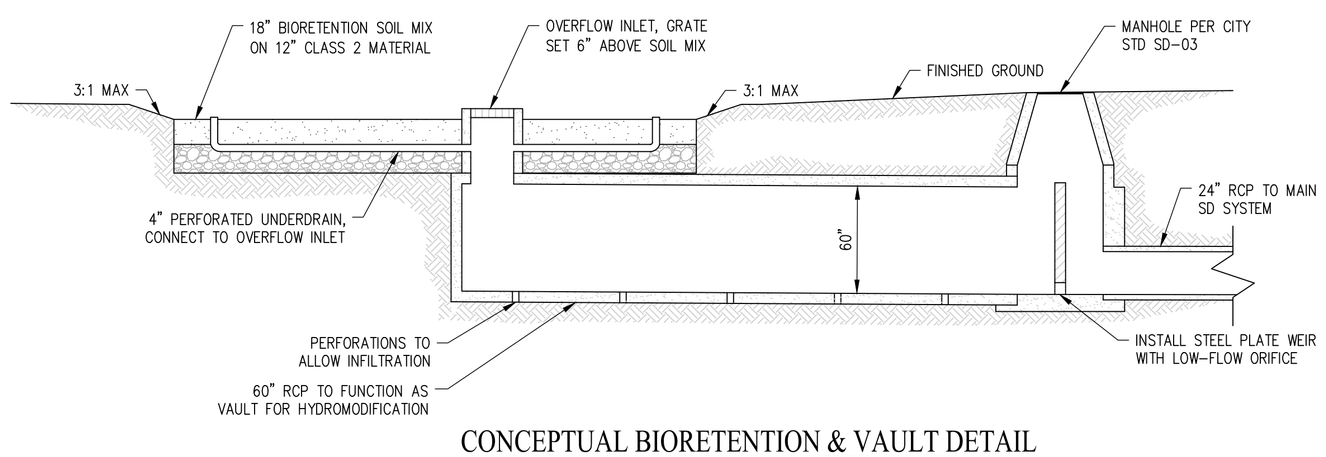
- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- DMA — DRAINAGE MANAGEMENT AREA (DMA) DESIGNATION
- BIORETENTION AREA
- AC PAVEMENT
- SIDEWALK

NOTES:

1. THIS PROJECT IS DESIGNED TO COMPLY WITH THE REQUIREMENTS OUTLINED IN THE CONTRA COSTA CLEAN WATER PROGRAM'S (CCCWP) STORMWATER C.3 GUIDEBOOK, 7TH EDITION.
2. LID TREATMENT IS SIZED USING THE CCCWP IMP SIZING CALCULATOR.
3. THE SITE SOIL IS CLASSIFIED AS HYDROLOGIC SOIL GROUP C PER THE USDA WEB SOIL SURVEY.
4. FOR DMA 1 RESIDENTIAL LOTS AND LANDSCAPING WITHIN THE RIGHT-OF-WAY IS ASSUMED TO BE 40% IMPERVIOUS.

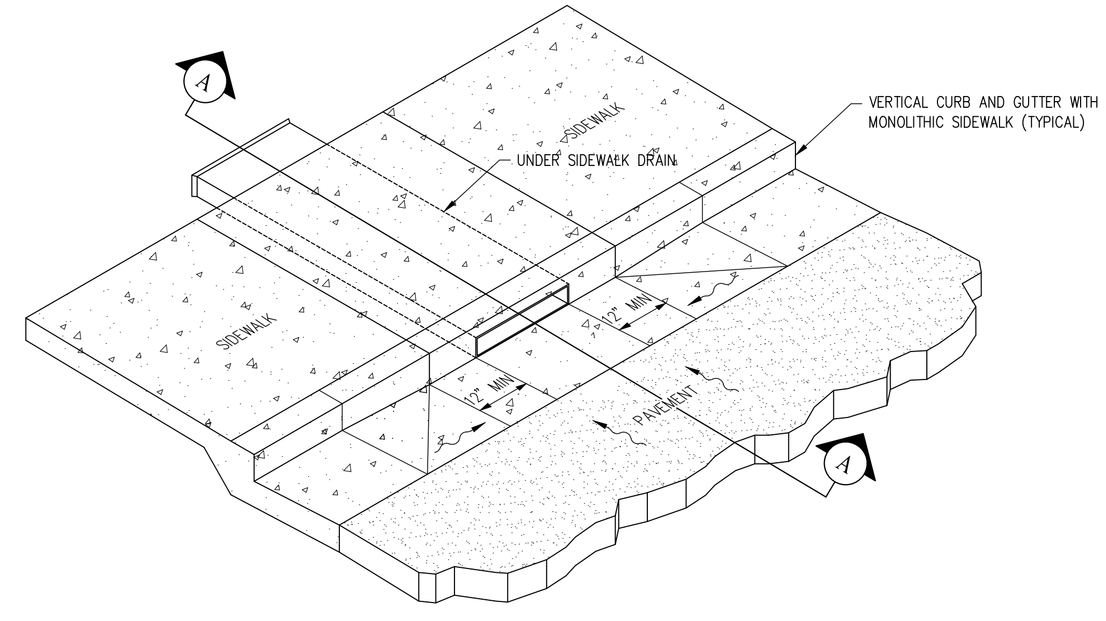
DMA SUMMARY

DMA	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	TOTAL AREA (SF)	C.3 COMPLIANCE
DMA 1	744,052	742,432	1,486,484	CISTERN + BIORETENTION
DMA 2	8,982	6,200	15,182	BIORETENTION + VAULT
DMA 3	38,541	82,590	121,131	SELF RETAINING
DMA 4	850 (EXISTING)	12,608	13,458	NO IMPERVIOUS AREA CREATED
TOTAL	786,621	849,634	1,636,255	–



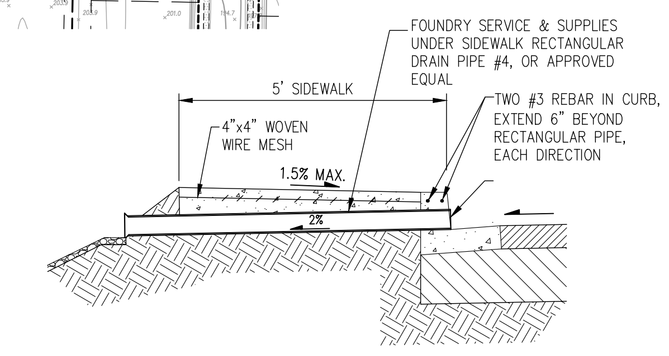
CONCEPTUAL BIORETENTION & VAULT DETAIL

NOT TO SCALE



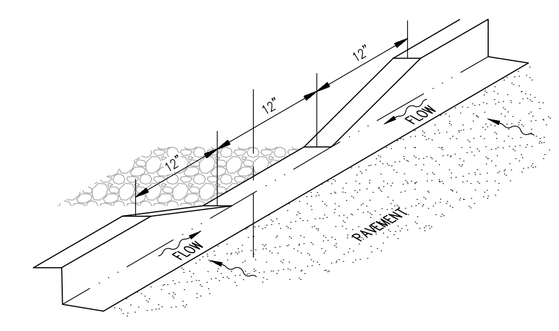
UNDER SIDEWALK DRAIN DETAIL

NOT TO SCALE



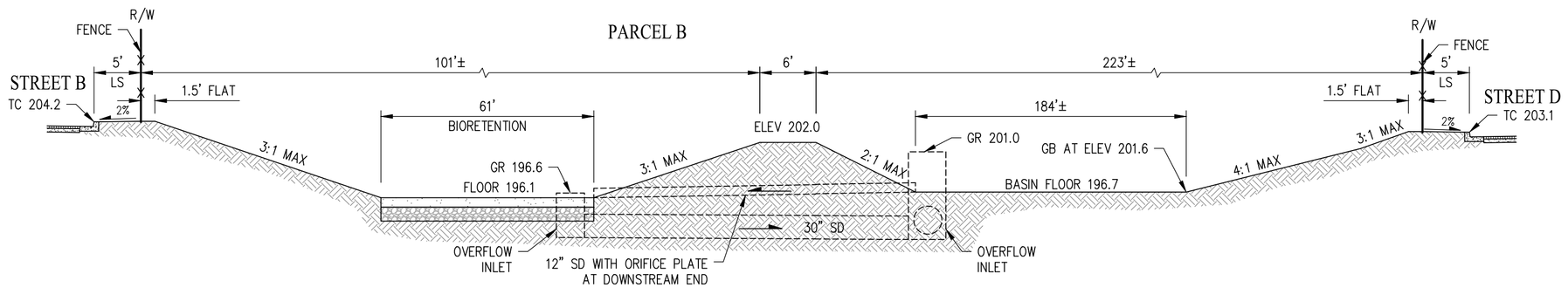
SECTION A-A

NOT TO SCALE



CURB CUT DETAIL

NOT TO SCALE



PARCEL B CROSS SECTION

NOT TO SCALE

PRELIMINARY STORMWATER CONTROL PLAN

DEER VALLEY ESTATES

SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 100' 300' 400'

SCALE: 1" = 100'

DATE: MAY 4, 2020

JOB NO.: 2689-010

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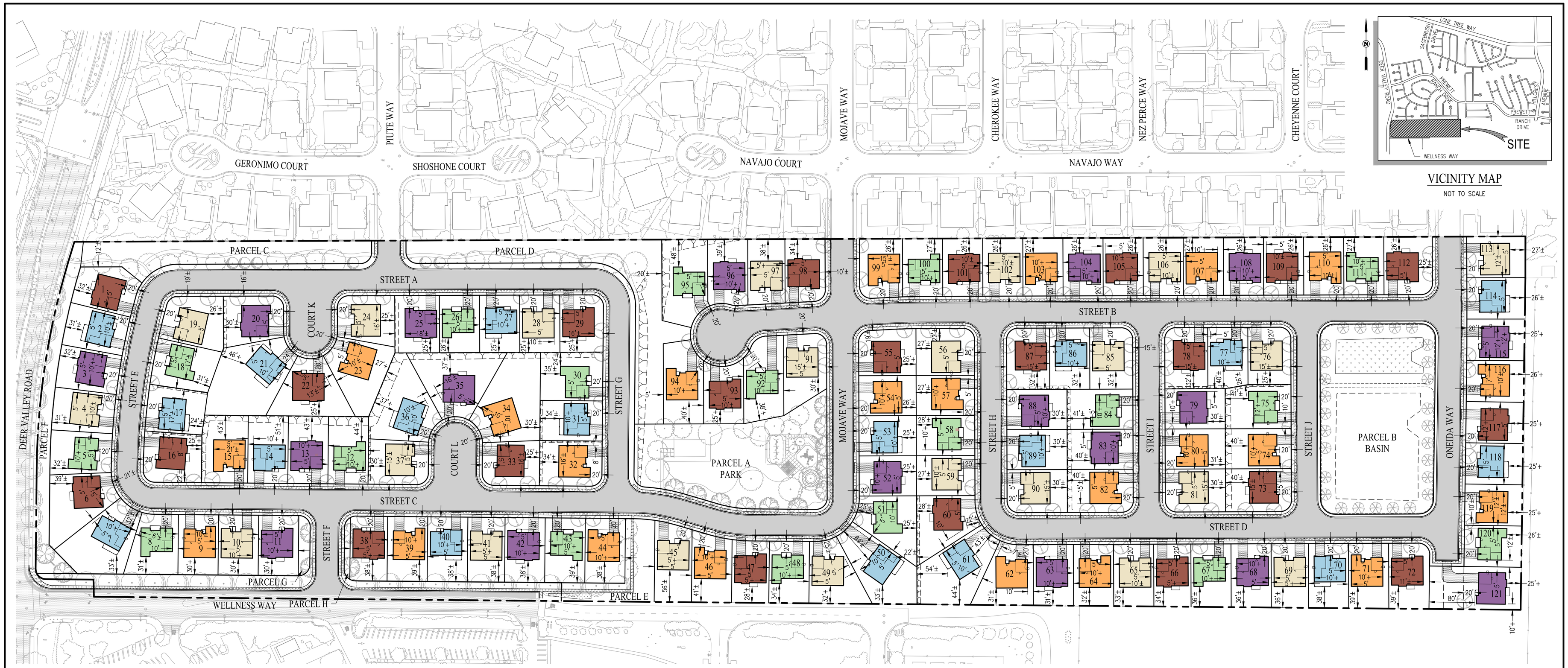
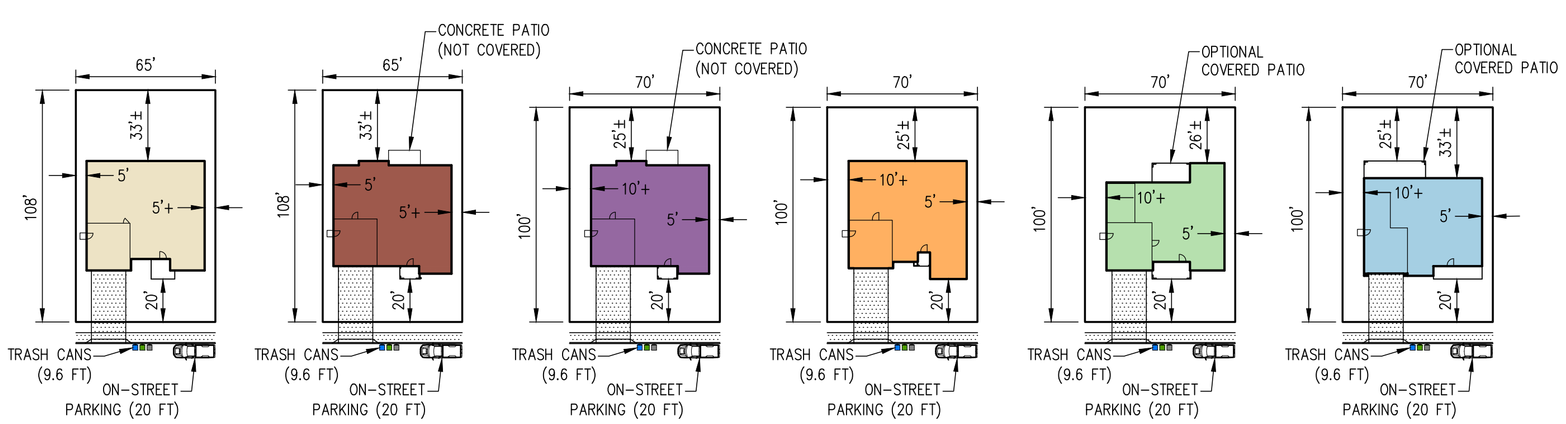


VICINITY MAP

NOT TO SCALE



TYPICAL FIT ILLUSTRATION

SCALE 1" = 50'

NOTES:

1. PLAN SQUARE FOOTAGE IS APPROXIMATE AND MAY VARY WITH ELEVATION.
2. PLAN PLOTTING IS PRELIMINARY AND SUBJECT TO CHANGE.
3. SINGLE STORY HOMES REQUIRE 5' MINIMUM SIDE YARD SETBACK ON BOTH SIDES. (PLANS 1 & 2).
4. TWO-STORY HOMES REQUIRE 5' MINIMUM SIDE YARD SETBACK ON ONE SIDE AND 10' MINIMUM SIDE YARD SETBACK ON THE OTHER SIDE. (PLANS 2X, 3, 4 & 5).
5. ON-STREET PARKING IS SHOWN TO DEMONSTRATE SATISFACTION OF PARKING REQUIREMENT OF 1 ON-STREET SPACE IN FRONT OF EACH HOUSE.
6. TRASH CANS ARE SHOWN TO DEMONSTRATE AMPLE SPACE FOR TRASH CANS ON COLLECTION DAY.

SUBDIVISION 9518

PLAN	# OF LOTS	% OF TOTAL
1	22	18%
2	22	18%
2X	18	15%
3	23	19%
4	18	15%
5	18	15%
TOTAL	121	100%

MINIMUM SETBACK REQUIREMENTS:

FRONT YARD:	20'
GARAGE:	20'
SIDE YARD:	5' BOTH SIDES (SINGLE STORY HOME) 5' AND 10' (TWO-STORY HOME)
STREET SIDE SETBACK:	10'
REAR YARD:	25' (INTERIOR LOTS) 30' (ADJACENT TO DEER VALLEY ROAD AND WELLNESS WAY)

PRELIMINARY DEVELOPMENT PLAN
DEER VALLEY ESTATES
SUBDIVISION 9518

CITY OF ANTIOCH CONTRA COSTA COUNTY CALIFORNIA

0' 80' 240' 320'

SCALE: 1" = 80'

DATE: MAY 4, 2020
JOB NO.: 2689-010

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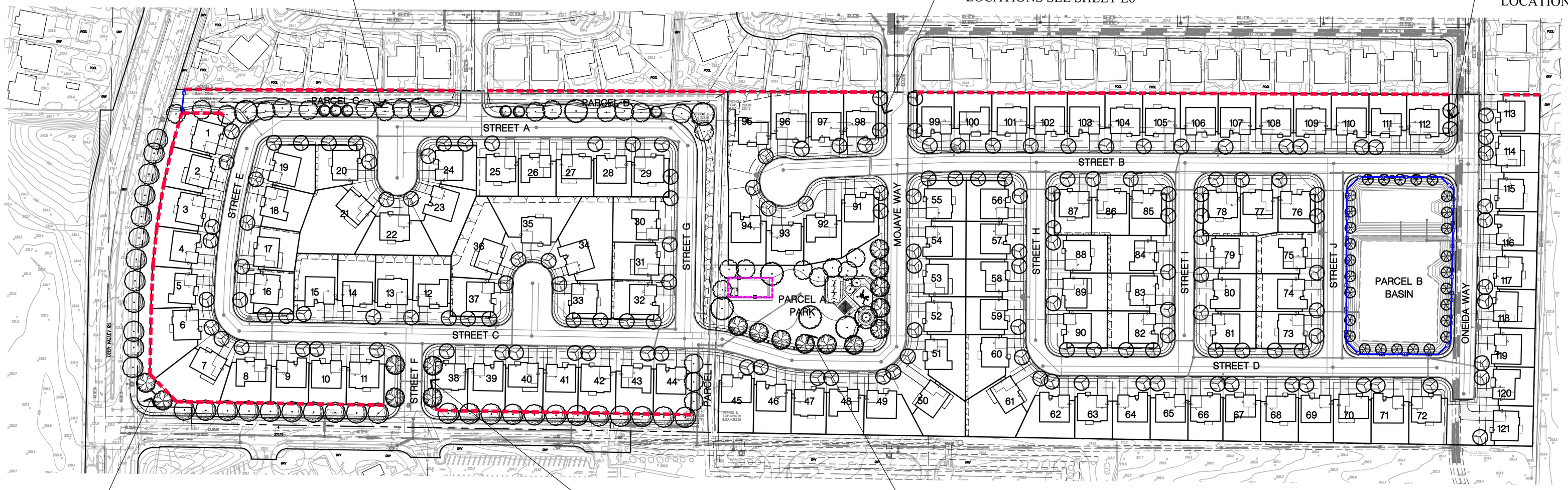


FENCE LEGEND

SYMBOL	FENCE TYPE
	6'-0" PRECAST SOUNDWALL
	3'-6" VINYL CLAD CHAIN-LINK FENCE
	4'-0" VINYL CLAD CHAIN-LINK FENCE
	6'-0" HIGH WOOD FENCE

PRELIMINARY PROPOSED TREE PALETTE

BOTANICAL NAME	COMMON NAME	SIZE	WIDTH / HEIGHT	WATER USE
STREET TREES				
MAGNOLIA X SOULANGEANA	SAUCER MAGNOLIA	24" BOX	25' WIDE/25' HIGH	MEDIUM
PLATANUS A. 'BLOODGOOD'	LONDON PLANE TREE	24" BOX	30' WIDE/60' HIGH	MEDIUM
PISTACIA CHINENSIS	CHINESE PISTACHE	24" BOX	25' WIDE/35' HIGH	MEDIUM
PARK TREES				
ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	24" BOX	25' WIDE/40' HIGH	MEDIUM
PISTACIA CHINENSIS	CHINESE PISTACHE	24" BOX	30' WIDE/30' HIGH	MEDIUM
PRUNUS C. 'KRAUTER VESUVIUS'	FLOWERING PLUM	24" BOX	15' WIDE/20' HIGH	MEDIUM
ULMUS PARVIFOLIA 'DYNASTY'	CHINESE ELM	24" BOX	40' WIDE/35' HIGH	MEDIUM
BASIN TREES				
GINKGO BILOBA 'FASTIGIATA'	MAIDENHAIR TREE	24" BOX	15' WIDE/50' HIGH	MEDIUM

NOTES:

1. ALL TREES SHALL BE PLANTED AND STAKED PER CITY STANDARDS.
2. TREES BE PLANTED WITHIN 3' OF HARDSCAPE ELEMENTS, SHALL HAVE A LINEAR ROOT BARRIER INSTALLED ADJACENT TO THE HARDSCAPE ELEMENT AT TIME OF TREE PLANTING.
3. LANDSCAPE AND IRRIGATION SHALL COMPLY WITH CITY'S CURRENT WATER-EFFICIENT LANDSCAPE ORDINANCE.
4. ALL PLANTING AREAS SHALL BE AUTOMATICALLY IRRIGATED PER CITY STANDARDS. USING LOW-FLOW SPRAY, BUBBLERS OR DRIP METHODS.
5. ALL PLANTING AREAS SHALL BE MULCHED TO A MINIMUM DEPTH OF 3".

N

GRAPHIC SCALE

0 100 200 250

(IN FEET)
1 inch = 100 ft.

CONCEPTUAL LANDSCAPE STATEMENT

REGIONAL AND MICRO-CLIMATE CONDITIONS, SOLAR ORIENTATION AND SOIL CONDITIONS WILL BE TAKEN INTO ACCOUNT WITH REGARDS TO PLANT SELECTION AND PLACEMENT. THE PLANT PALETTE PROVIDES MANY PLANTS WITH VARYING GROWTH HABITS, PREFERENCES AND TOLERANCES, SO SELECTION OF JUST THE RIGHT PLANT SHOULD NOT BE DIFFICULT. A HIGH PERCENTAGE OF PLANTS SELECTED WILL BE DROUGHT TOLERANT AND APPROPRIATE FOR THE CLIMATE. THIS PALETTE, ALONG WITH A DRIP IRRIGATION SYSTEM WILL CONSERVE WATER WITHIN THE PROJECT.

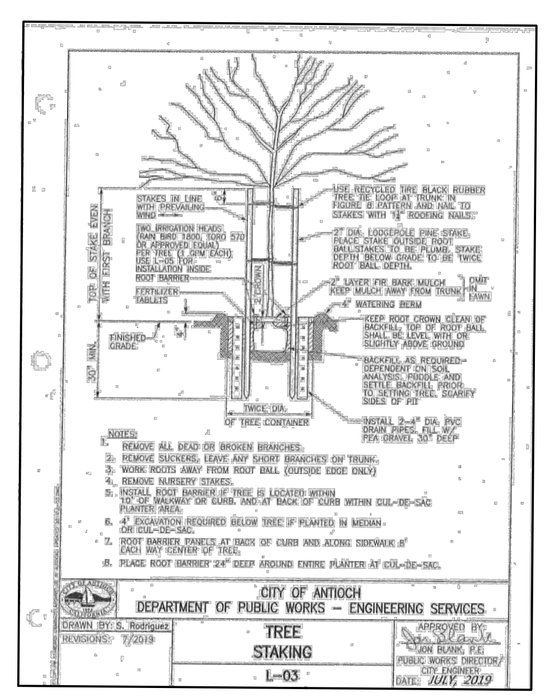
BY SPECIFYING PLANTS WHICH REQUIRE LITTLE TO NO PRUNING, THE GREEN WASTE WILL BE REDUCED. PLANTS SELECTED WILL COMPLEMENT THE ARCHITECTURE.

ENTRYWAYS AND PICTURE WINDOWS WILL BE FRAMED BY SPECIMEN SHRUBS AND NODES WILL HAVE ACCENT PLANTINGS. PLANT SPECIES WHICH ENHANCE THE ARCHITECTURAL ELEVATIONS SHALL BE USED. A DIVERSE USE OF PLANT SPECIES WILL DISPLAY VARIOUS TEXTURES, FORMS, FOLIAGE COLOR, AND FLOWERS; WILL CREATE A BEAUTIFUL LANDSCAPE TO CONTRIBUTE AESTHETICALLY TO THE SURROUNDING NEIGHBORHOODS.

THE TREES HAVE BEEN SELECTED TO HAVE NON-INVASIVE ROOT SYSTEMS, AND PLACED WITH ADEQUATE SETBACKS TO ENSURE NO CONFLICT WITH UTILITIES AND HARDSCAPE, OR CONFLICT WITH ANY SITE LINE DISTANCES. ROOT BARRIERS WILL BE INSTALLED ON ALL TREES NEAR PAVING AND UTILITIES. WHERE FEASIBLE, TREES HAVE BEEN PLACED TO MITIGATE SOLID BUILDING SURFACES AND FENCES. TALLER SHRUBS WILL ALSO BE LOCATED AT SOLID BUILDING SURFACES AND FENCES, WHILE LOWER SHRUBS WILL BE LOCATED WHERE GROUND LEVEL WINDOWS AND ARCHITECTURAL FEATURES OCCUR, AND AT CORNERS TO MAINTAIN SITE LINE DISTANCES.

THE PROJECT FEATURES A COMMON PARK SPACE THAT ENHANCES CIRCULATION BY PROVIDING OPPORTUNITIES FOR ADULTS AND CHILDREN TO TRAVERSE THROUGHOUT THE PARK. PLAY EQUIPMENT AND SEATING PROVIDE A FAMILY FRIENDLY SPACE THAT ALLOWS ITS USERS TO ENJOY THE OUTDOORS, WHILE A TRAIL THAT CONNECTS TO THE COMMON PARK AND DOG PARK ALLOWS PET LOVERS TO TAKE THEIR FURY FRIENDS ON DAILY WALKS.

THE IRRIGATION SYSTEM WILL USE WEATHER-BASED CONTROLLERS TO CONSERVE THE USE OF WATER. SPRAY IRRIGATION WILL ONLY OCCUR AT TURF AREAS, AND SPRAY HEADS WITH LOW PRECIPITATION RATES WILL BE USED TO MINIMIZE RUNOFF, EROSION AND OVERSPRAY. THE BALANCE OF THE PLANTING AREAS WILL BE IRRIGATED USING DRIP IRRIGATION METHODS. THE TREES WILL BE ON SEPARATE VALVES AND WILL BE IRRIGATED WITH BUBBLERS. SHRUBS WILL BE HYDROZONED ACCORDING TO THEIR WATER REQUIREMENTS AND MICROCLIMATES.



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DEER VALLEY
Antioch, CA

Preliminary Landscape Site Plan

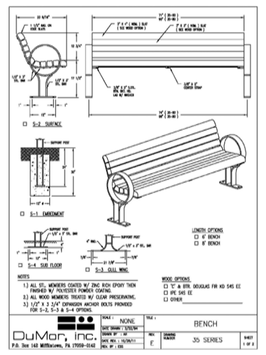
Revised 05/07/2020

L1

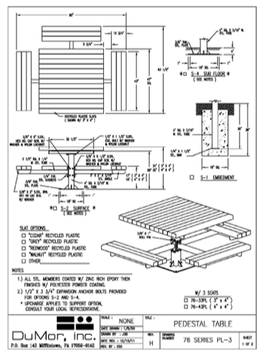
PLAYGROUND STRUCTURE

PLAYGROUND SWINGS

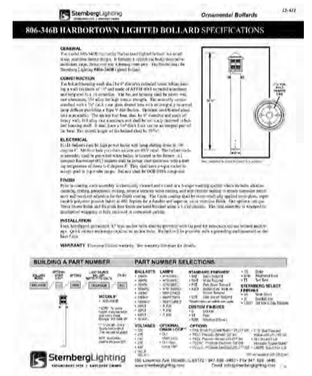
PLAYGROUND BENCH BOULDER



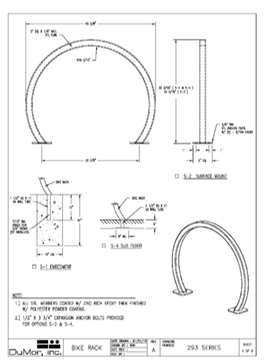
DUMOR BENCH



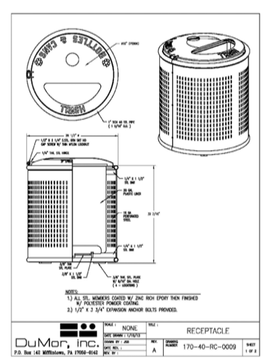
DUMOR PICNIC TABLE



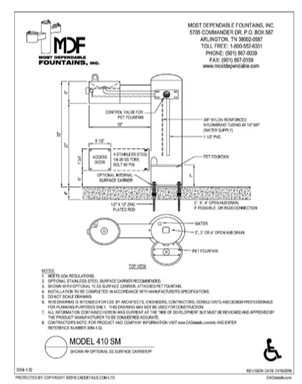
STERNBERG LIGHT BOLLARD



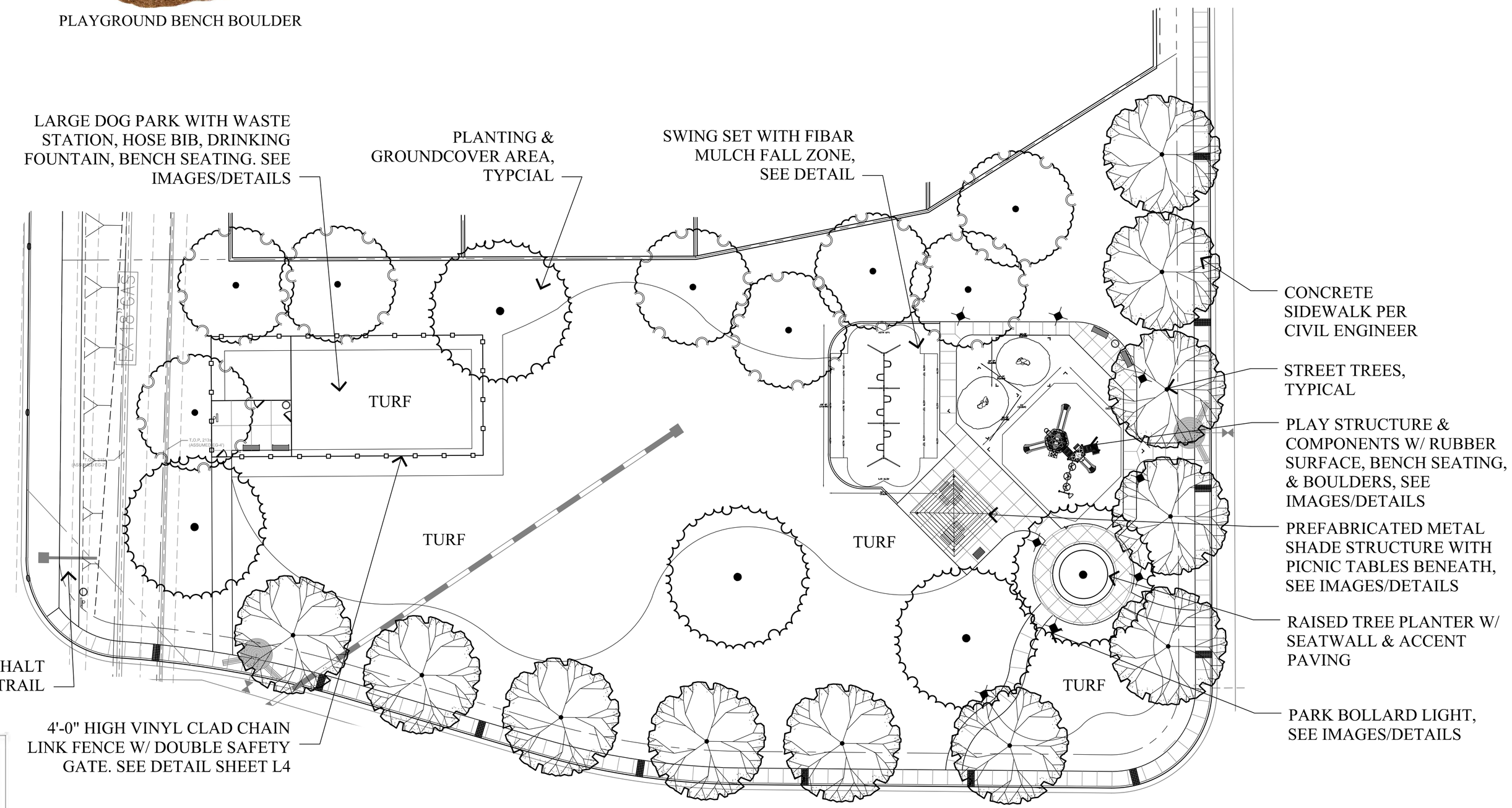
DUMOR BIKE RACK



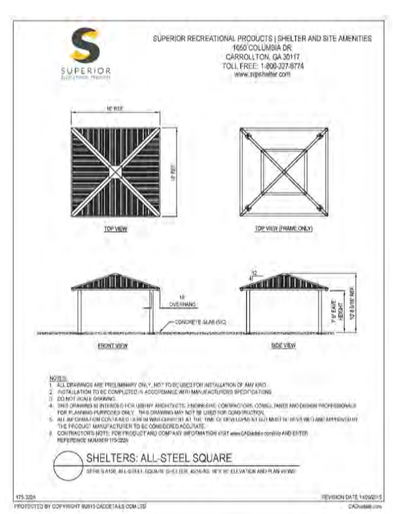
DUMOR TRASH RECEPTACLE



DRINKING FOUNTAIN W/ PET FOUNTAIN



SHADE STRUCTURE



NOTES:

1. SHADE STRUCTURE TO BE 16'X16' SINGLE TIER SQUARE STEEL FRAME SHELTER MODEL #8116: STANDARD POSTS, 24-GAUGE R-PANEL ROOF, W/OPTIONAL "CIRCLE PATTERN" LATTICE TRIM ALL FOUR SIDES.
2. AVAILABLE FROM SUPERIOR RECREATION PRODUCTS OR EQUAL
3. SRPSHELTER.COM (800) 327-8774
4. FRAME COLOR & POST COLOR TO BE POWDER COATED GREEN, ROOF COLOR TO BE EVERGREEN.
5. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

BARBEQUE STATION

WASTE STATION

DOG PARK RULES SIGN

GRAPHIC SCALE

0 20 40 60

(IN FEET)
1 inch = 20 ft.

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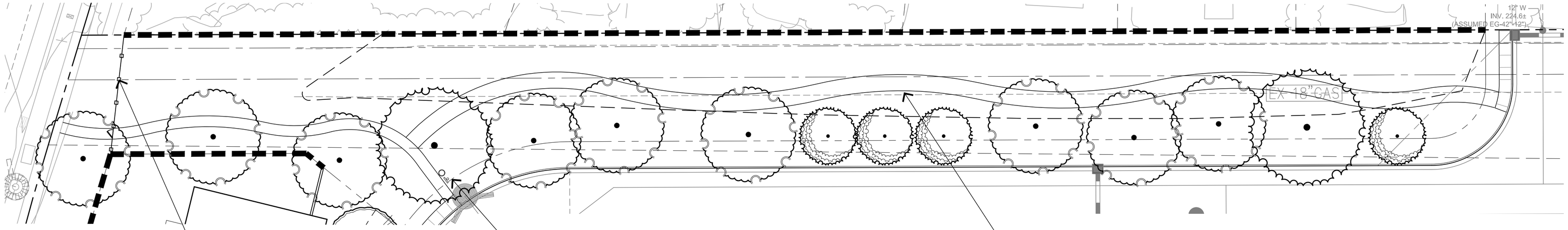
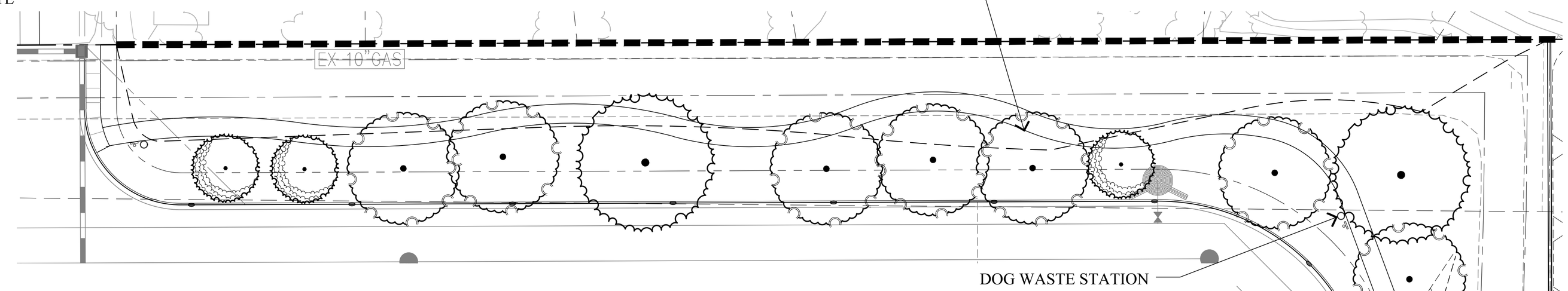
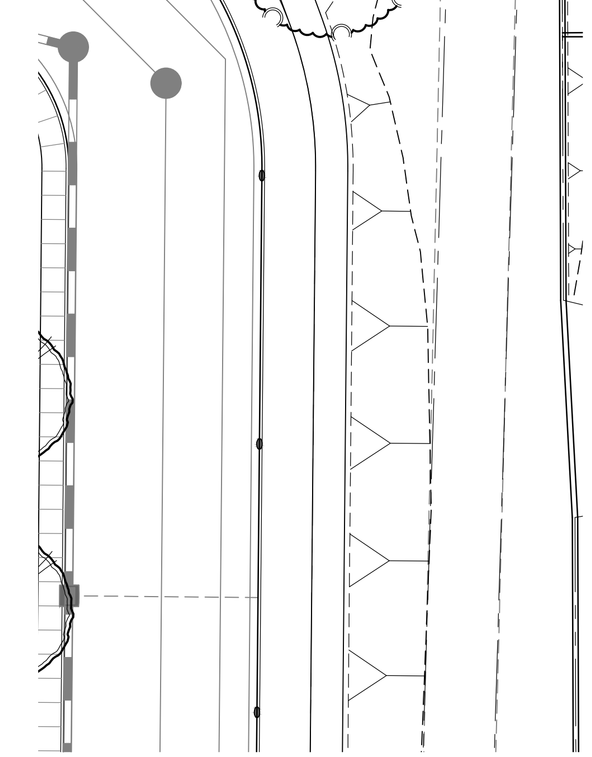
Preliminary Landscape Community Park Plan Enlargement

L2

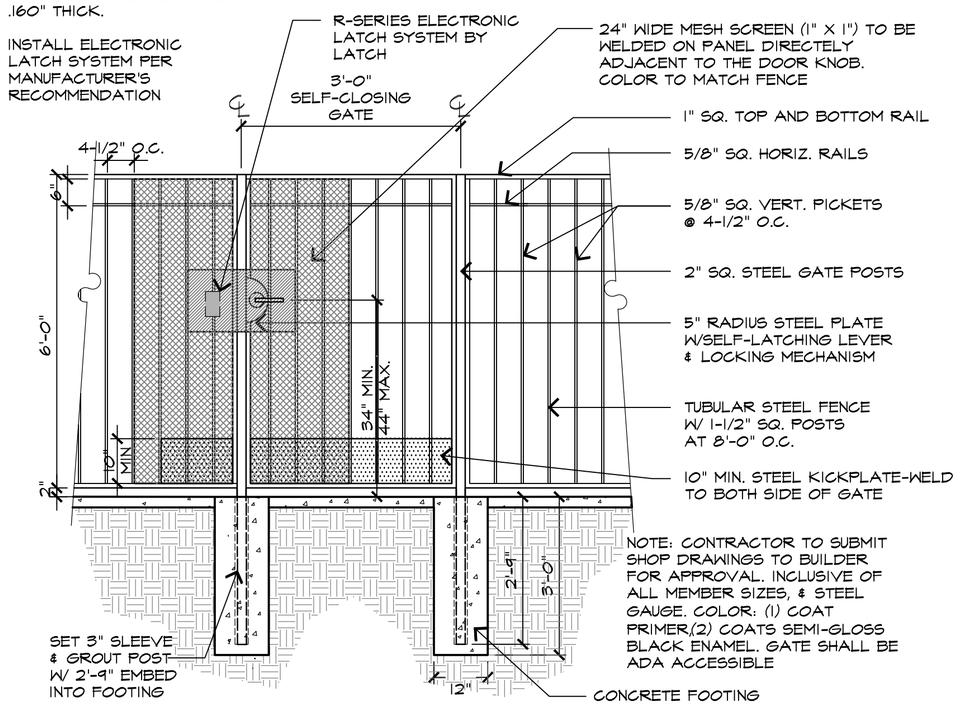






NOTE:
ALL CONNECTIONS TO BE WELDED. FILLET WELD/SMOOTH GRIND ALL JOINTS. ALL METAL TO BE .160" THICK.

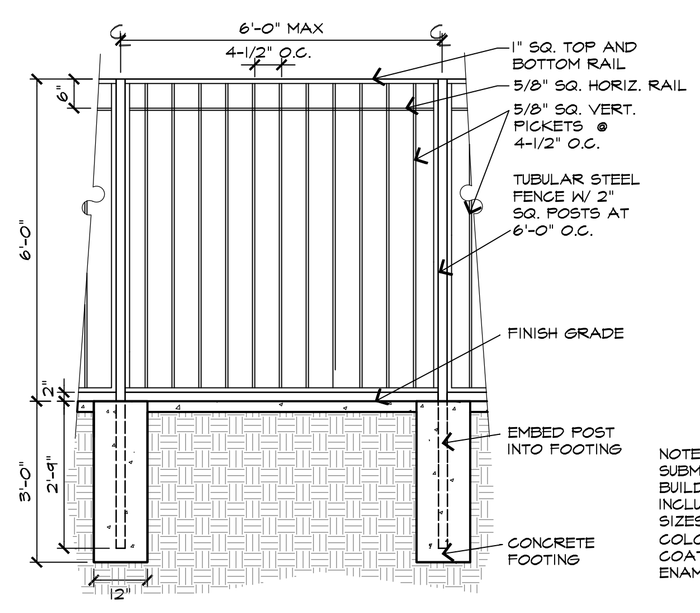
INSTALL ELECTRONIC LATCH SYSTEM PER MANUFACTURER'S RECOMMENDATION



NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS TO BUILDER FOR APPROVAL. INCLUSIVE OF ALL MEMBER SIZES, & STEEL GAUGE. COLOR: (1) COAT PRIMER,(2) COATS SEMI-GLOSS BLACK ENAMEL. GATE SHALL BE ADA ACCESSIBLE

TUBULAR STEEL GATE SCALE : 1/2"=1'-0"

024 - TrackHimGate

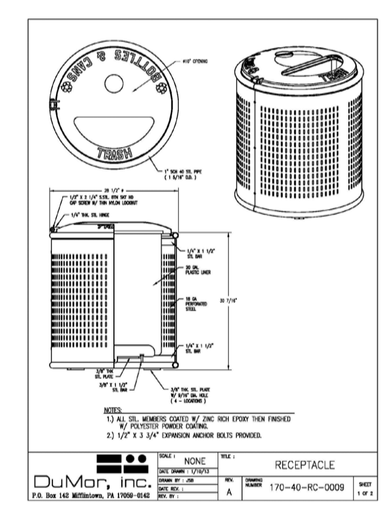


TUBULAR STEEL FENCE SCALE : 1/2"=1'-0"

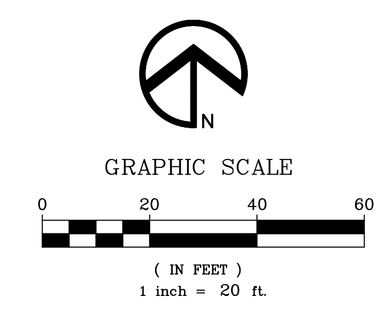
024 - TrackHim

NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS TO BUILDER FOR APPROVAL. INCLUSIVE OF ALL MEMBER SIZES, & STEEL GAUGE. COLOR: (1) COAT PRIMER,(2) COATS SEMI-GLOSS BLACK ENAMEL.

WASTE STATION



DUMOR TRASH RECEPTACLE



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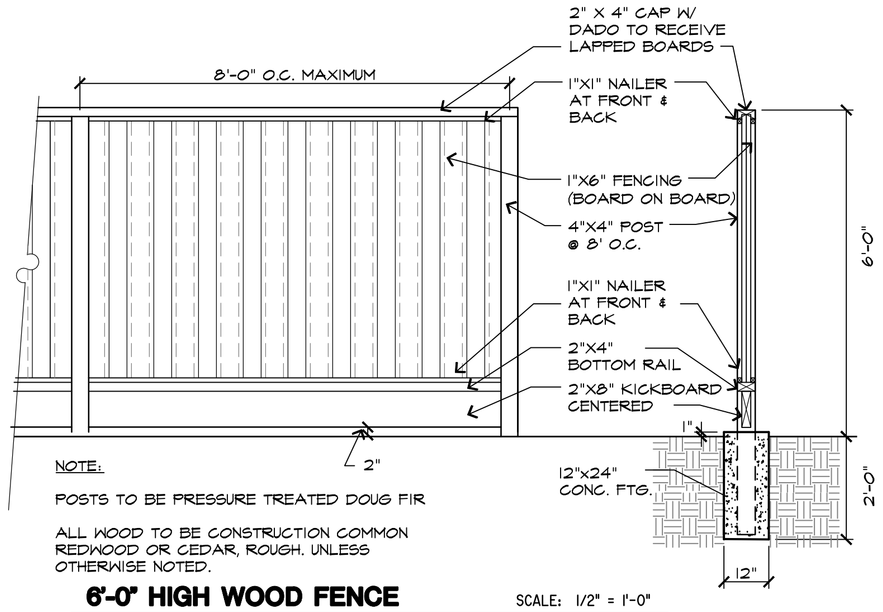
Preliminary Landscape Trail Plan Enlargement

L3



NOTE:

POSTS TO BE PRESSURE TREATED DOUG FIR

ALL WOOD TO BE CONSTRUCTION COMMON REDWOOD OR CEDAR, ROUGH, UNLESS OTHERWISE NOTED.

6'-0" HIGH WOOD FENCE W/ GATE

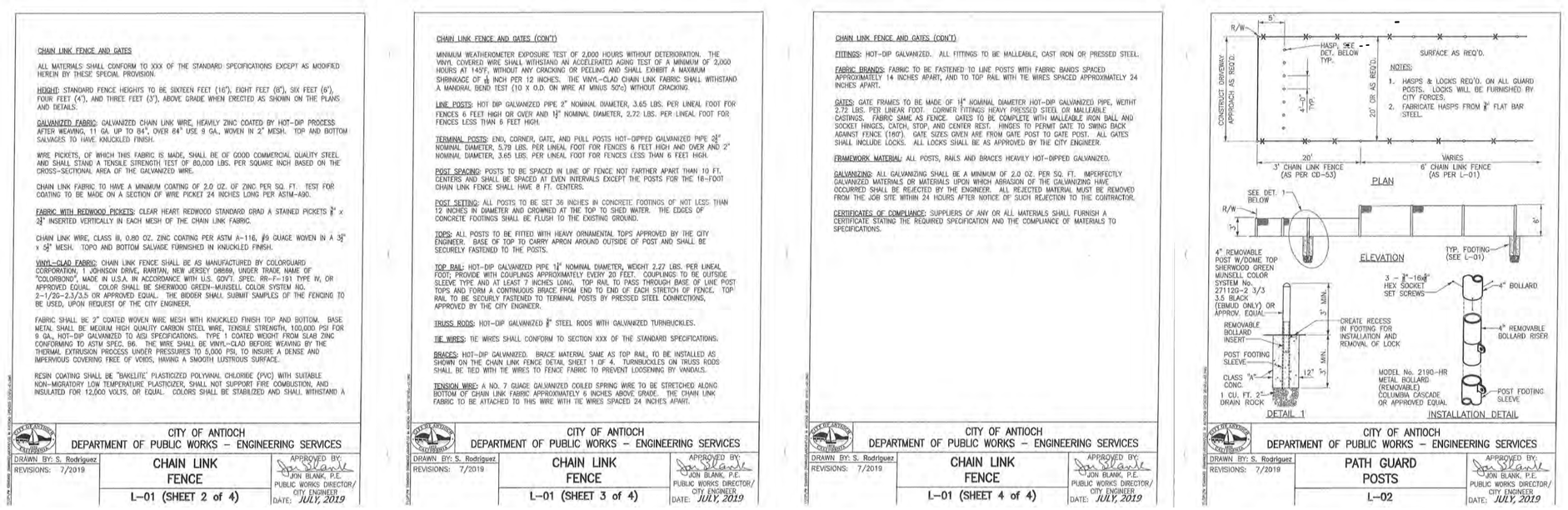
SCALE: 1/2" = 1'-0"

024 -FncRur

STONETREE PRECAST FENCE WALL SYSTEM BY JENSEN PRECAST

NOTES:

1. SOUNDWALL FOOTINGS/PIERS SHALL NOT BE INSTALLED IN WATERLINE OR ANY OTHER UTILITY EASEMENTS
2. PUBLIC FACING WALLS SHALL HAVE ANTI-GRAFFITI COATING
3. WALL FACE TEXTURE TO BE ASHLAR, COLOR TBD.



'CHAIN LINK FENCE AND GATES

ALL MATERIALS SHALL CONFORM TO XXX OF THE STANDARD SPECIFICATIONS EXCEPT AS MODIFIED HEREIN BY THESE SPECIAL PROVISION.

HEIGHT: STANDARD FENCE HEIGHTS TO BE SIXTEEN FEET (16'), EIGHT FEET (8'), SIX FEET (6'), FOUR FEET (4'), AND THREE FEET (3'), ABOVE GRADE WHEN ERECTED AS SHOWN ON THE PLANS AND DETAILS.

GALVANIZED FABRIC: GALVANIZED CHAIN LINK WIRE, HEAVILY ZINC COATED BY HOT-DIP PROCESS AFTER WEAVING, 11 GA. UP TO 84", OVER 84" USE 9 GA., WOVEN IN 2" MESH. TOP AND BOTTOM SALVAGES TO HAVE, KNUCKLED FINISH.

WIRE PICKETS, OF WHICH THIS FABRIC IS MADE, SHALL BE OF GOOD COMMERCIAL QUALITY STEEL AND SHALL STAND A TENSILE STRENGTH TEST OF 80,000 LBS. PER SQUARE INCH BASED ON THE CROSS-SECTIONAL AREA OF THE GALVANIZED WIRE.

CHAIN LINK FABRIC TO HAVE A MINIMUM COATING OF 2.0 OZ. OF ZINC PER SQ. FT. TEST FOR COATING TO BE MADE ON A SECTION OF WIRE PICKET 24 INCHES LONG PER ASTM-A90.

FABRIC WITH REDWOOD PICKETS: CLEAR HEART REDWOOD STANDARD GRAD A STAINED PICKETS 3/4" x 3 1/2" INSERTED VERTICALLY IN EACH MESH OF THE CHAIN LINK FABRIC.

CHAIN LINK WIRE, CLASS III, 0.080 OZ. ZINC COATING PER ASTM A-116, #9 GUAGE WOVEN IN A 3 1/2" x 3 1/2" MESH. TOPO AND BOTTOM SALVAGE FURNISHED IN KNUCKLED FINISH.

VINYL-CLAD FABRIC: CHAIN LINK FENCE SHALL BE AS MANUFACTURED BY COLORGUARD CORPORATION, 1 JOHNSON DRIVE, RAMSEAN, NEW JERSEY 08869, UNDER TRADE NAME OF "COLORBOND", MADE IN U.S.A. IN ACCORDANCE WITH U.S. GOVT. SPEC. RR-F-191 TYPE IV, OR APPROVED EQUAL. COLOR SHALL BE SHERWOOD GREEN-MUNSELL COLOR SYSTEM NO. 7-1/2G-3.2/3.5 OR APPROVED EQUAL. THE BIDDER SHALL SUBMIT SAMPLES OF THE FENCING TO BE USED, UPON REQUEST OF THE CITY ENGINEER.

FABRIC SHALL BE 2" COATED WOVEN WIRE MESH WITH KNUCKLED FINISH TOP AND BOTTOM. BASE METAL SHALL BE MEDIUM HIGH QUALITY CARBON STEEL WIRE, TENSILE STRENGTH, 100,000 PSI FOR 9 GA., HOT-DIP GALVANIZED TO ASTM SPECIFICATIONS. TYPE 1 COATED WEIGHT FROM SLAB ZINC CONFORMING TO ASTM SPEC. 98. THE WIRE SHALL BE VINYL-CLAD BEFORE WEAVING BY THE THERMAL EXTRUSION PROCESS UNDER PRESSURES TO 5,000 PSI, TO INSURE A DENSE AND IMPERVIOUS COVERING FREE OF VOIDS, HAVING A SMOOTH LUSTROUS SURFACE.

RESIN COATING SHALL BE "BAKELITE" PLASTICIZED POLYVINYL CHLORIDE (PVC) WITH SUITABLE NON-MIGRATORY LOW TEMPERATURE PLASTICIZER, SHALL NOT SUPPORT FIRE COMBUSTION, AND INSULATED FOR 12,000 VOLTS, OR EQUAL. COLORS SHALL BE STABILIZED AND SHALL WITHSTAND A

CITY OF ANTIOCH
DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES
DRAWN BY: S. Rodriguez | CHAIN LINK FENCE | APPROVED BY: JON BLANK, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER
REVISIONS: 7/2019 | L-01 (SHEET 2 of 4) | DATE: JULY, 2019

CHAIN LINK FENCE AND GATES (CONT)

MINIMUM WEATHEROMETER EXPOSURE TEST OF 2,000 HOURS WITHOUT DETERIORATION. THE VINYL COVERED WIRE SHALL WITHSTAND AN ACCELERATED AGING TEST OF A MINIMUM OF 2,000 HOURS AT 140°F, WITHOUT ANY CRACKING OR PEELING AND SHALL EXHIBIT A MAXIMUM SHRINKAGE OF 1/8 INCH PER 12 INCHES. THE VINYL-CLAD CHAIN LINK FABRIC SHALL WITHSTAND A MANDREL BEND TEST (10 X O.D. ON WIRE AT MINUS 50°C) WITHOUT CRACKING.

LINE POSTS: HOT DIP GALVANIZED PIPE 2" NOMINAL DIAMETER, 3.65 LBS. PER LINEAL FOOT FOR FENCES 8 FEET HIGH OR OVER AND 1 1/2" NOMINAL DIAMETER, 2.72 LBS. PER LINEAL FOOT FOR FENCES LESS THAN 8 FEET HIGH.

TERMINAL POSTS: END, CORNER, GATE, AND PULL POSTS HOT-DIPPED GALVANIZED PIPE 2 1/2" NOMINAL DIAMETER, 5.79 LBS. PER LINEAL FOOT FOR FENCES 8 FEET HIGH AND OVER AND 2" NOMINAL DIAMETER, 3.65 LBS. PER LINEAL FOOT FOR FENCES LESS THAN 8 FEET HIGH.

POST SPACING: POSTS TO BE SPACED ON LINE OF FENCE NOT FARTHER APART THAN 10 FT. CENTERS AND SHALL BE SPACED AT EVEN INTERVALS EXCEPT THE POSTS FOR THE 16-FOOT CHAIN LINK FENCE SHALL HAVE 8 FT. CENTERS.

POST SETTING: ALL POSTS TO BE SET 36 INCHES IN CONCRETE FOOTINGS, OF NOT LESS THAN 12 INCHES IN DIAMETER AND CROWNED AT THE TOP TO SHED WATER. THE EDGES OF CONCRETE FOOTINGS SHALL BE FLUSH TO THE EXISTING GROUND.

TOPS: ALL POSTS TO BE FITTED WITH HEAVY ORNAMENTAL TOPS APPROVED BY THE CITY ENGINEER. BASE OF TOP TO CARRY APRON AROUND OUTSIDE OF POST AND SHALL BE SECURELY FASTENED TO THE POSTS.

TOP RAIL: HOT-DIP GALVANIZED PIPE 1 5/8" NOMINAL DIAMETER, WEIGHT 2.27 LBS. PER LINEAL FOOT, PROVIDE WITH COUPLINGS APPROXIMATELY EVERY 20 FEET. COUPLINGS TO BE OUTSIDE SLEEVE TYPE AND AT LEAST 7 INCHES LONG. TOP RAIL TO PASS THROUGH BASE OF LINE POST TOPS AND FORM A CONTINUOUS BRACE FROM END TO END OF EACH STRETCH OF FENCE. TOP RAIL TO BE SECURELY FASTENED TO TERMINAL POSTS BY PRESSED STEEL CONNECTIONS, APPROVED BY THE CITY ENGINEER.

TRUSS RODS: HOT-DIP GALVANIZED 3/8" STEEL RODS WITH GALVANIZED TURNBUCKLES.

TIE WIRES: TIE WIRES SHALL CONFORM TO SECTION XXX OF THE STANDARD SPECIFICATIONS.

BRACES: HOT-DIP GALVANIZED. BRACE MATERIAL SAME AS TOP RAIL, TO BE INSTALLED AS SHOWN ON THE CHAIN LINK FENCE DETAIL SHEET 1 OF 4. TURNBUCKLES ON TRUSS RODS SHALL BE TIED WITH TIE WIRES TO FENCE FABRIC TO PREVENT LOOSENING BY VANDALS.

TENSION WIRE: A NO. 7 GUAGE GALVANIZED COILED SPRING WIRE TO BE STRETCHED ALONG BOTTOM OF CHAIN LINK FABRIC APPROXIMATELY 6 INCHES ABOVE GRADE. THE CHAIN LINK FABRIC TO BE ATTACHED TO THIS WIRE WITH TIE WIRES SPACED 24 INCHES APART.

CITY OF ANTIOCH
DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES
DRAWN BY: S. Rodriguez | CHAIN LINK FENCE | APPROVED BY: JON BLANK, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER
REVISIONS: 7/2019 | L-01 (SHEET 3 of 4) | DATE: JULY, 2019

CHAIN LINK FENCE AND GATES (CONT)

FITTINGS: HOT-DIP GALVANIZED. ALL FITTINGS TO BE MALLEABLE, CAST IRON OR PRESSED STEEL.

FABRIC BRANDS: FABRIC TO BE FASTENED TO LINE POSTS WITH FABRIC BANDS SPACED APPROXIMATELY 14 INCHES APART, AND TO TOP RAIL WITH TIE WIRES SPACED APPROXIMATELY 24 INCHES APART.

GATES: GATE FRAMES TO BE MADE OF 1 1/4" NOMINAL DIAMETER HOT-DIP GALVANIZED PIPE, WEIGHT 2.72 LBS. PER LINEAL FOOT. CORNER FITTINGS HEAVY PRESSED STEEL OR MALLEABLE CASTINGS. FABRIC SAME AS FENCE. GATES TO BE COMPLETE WITH MALLEABLE IRON BALL AND SOCKET HINGES, CATCH, STOP, AND CENTER REST. HINGES TO PERMIT GATE TO SWING BACK AGAINST FENCE (180°). GATE SIZES GIVEN ARE FROM GATE POST TO GATE POST. ALL GATES SHALL INCLUDE LOCKS. ALL LOCKS SHALL BE AS APPROVED BY THE CITY ENGINEER.

FRAMEWORK MATERIAL: ALL POSTS, RAILS AND BRACES HEAVILY HOT-DIPPED GALVANIZED.

GALVANIZING: ALL GALVANIZING SHALL BE A MINIMUM OF 2.0 OZ. PER SQ. FT. IMPERFECTLY GALVANIZED MATERIALS OR MATERIALS UPON WHICH ABRASION OF THE GALVANIZING HAVE OCCURRED SHALL BE REJECTED BY THE ENGINEER. ALL REJECTED MATERIAL MUST BE REMOVED FROM THE JOB SITE WITHIN 24 HOURS AFTER NOTICE OF SUCH REJECTION TO THE CONTRACTOR.

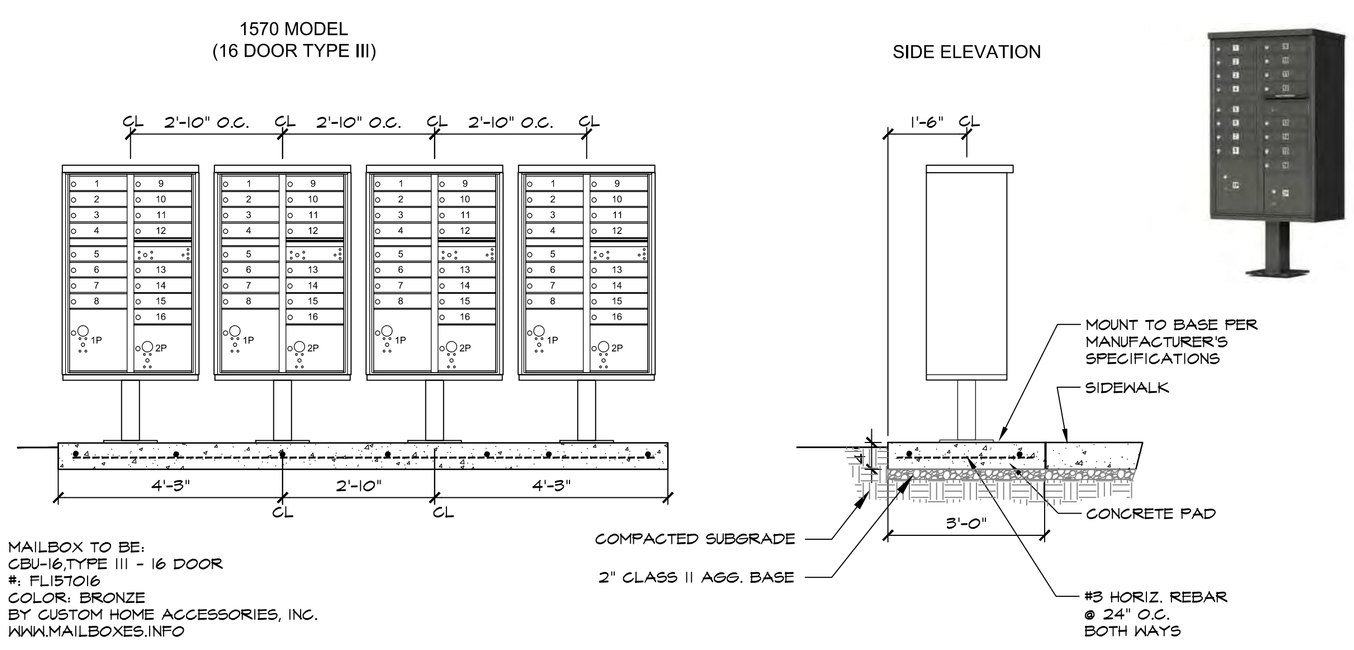
CERTIFICATES OF COMPLIANCE: SUPPLIERS OF ANY OR ALL MATERIALS SHALL FURNISH A CERTIFICATE STATING THE REQUIRED SPECIFICATION AND THE COMPLIANCE OF MATERIALS TO SPECIFICATIONS.

CITY OF ANTIOCH
DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES
DRAWN BY: S. Rodriguez | CHAIN LINK FENCE | APPROVED BY: JON BLANK, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER
REVISIONS: 7/2019 | L-01 (SHEET 4 of 4) | DATE: JULY, 2019

CITY OF ANTIOCH
DEPARTMENT OF PUBLIC WORKS – ENGINEERING SERVICES
DRAWN BY: S. Rodriguez | PATH GUARD POSTS | APPROVED BY: JON BLANK, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER
REVISIONS: 7/2019 | L-02 | DATE: JULY, 2019

NOTES:

1. MONUMENT VENEER TO BE ELDORADO STONE FIELDLEDGE OR SIMILAR
2. COLOR PADOVA
3. FINAL MATERIAL SELECTION TO BE APPROVED BY BUILDER PRIOR TO INSTALLATION

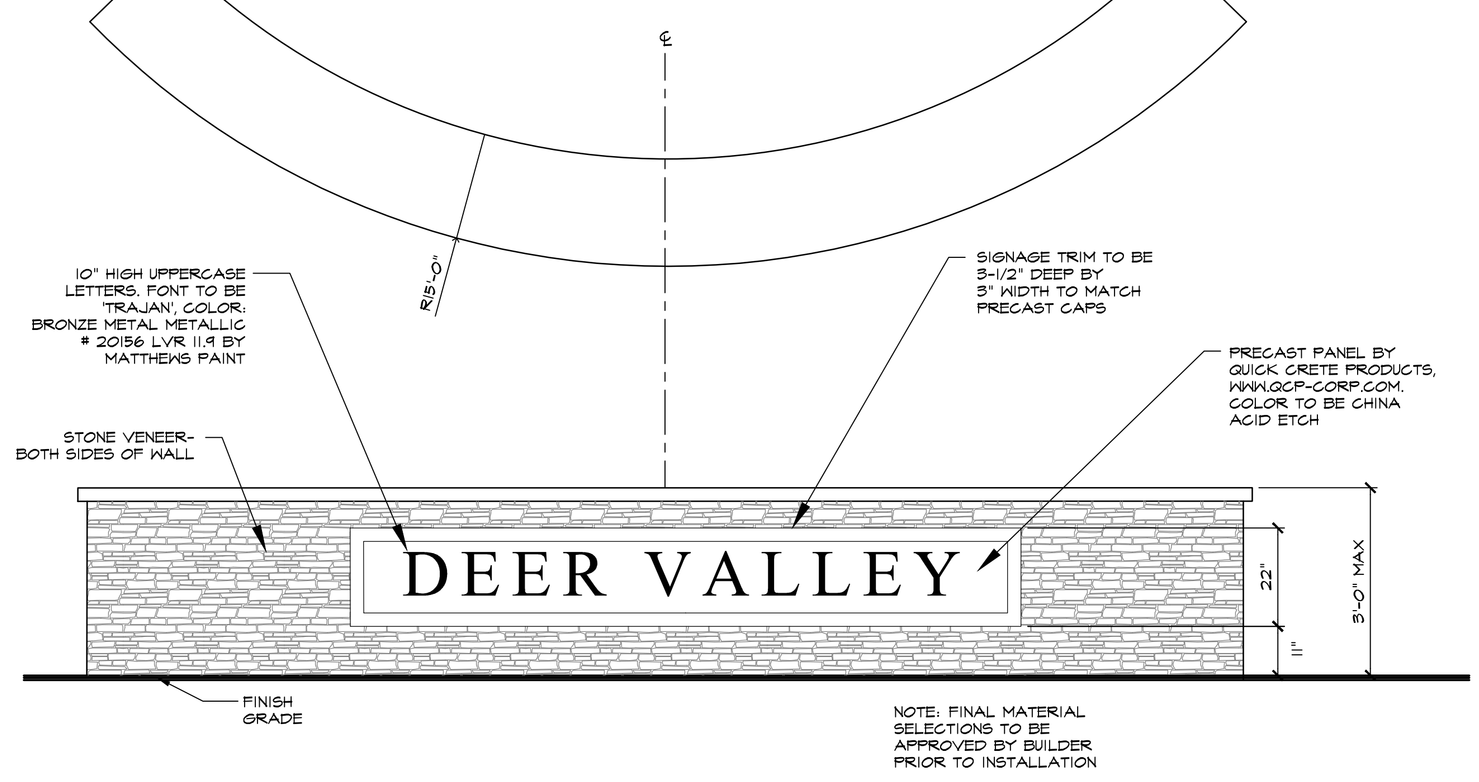


MAILBOX TO BE:
CBU-16,TYPE III - 16 DOOR
#: FL157016
COLOR: BRONZE
BY CUSTOM HOME ACCESSORIES, INC.
WWW.MAILBOXES.INFO

COMMUNITY MAILBOXES

SCALE: 1/2" = 1'-0"

024 -



STONE MONUMENT AT ENTRY

SCALE: 1/2" = 1'-0"

024 -

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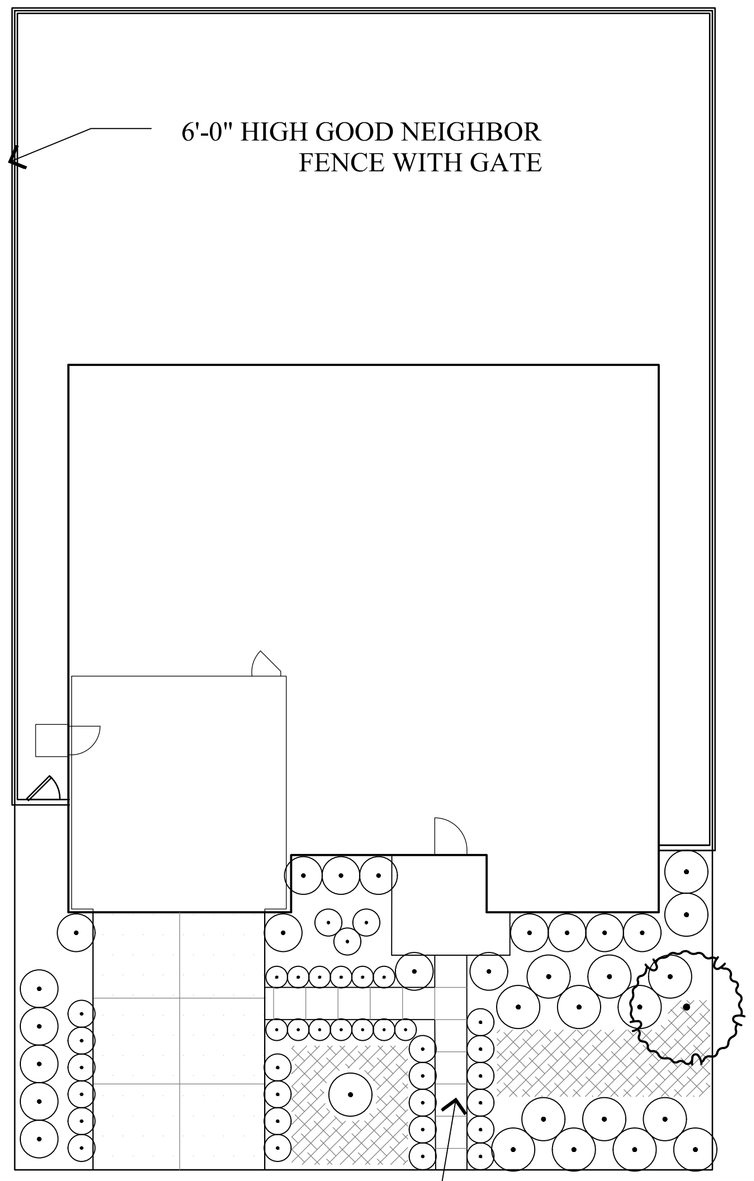
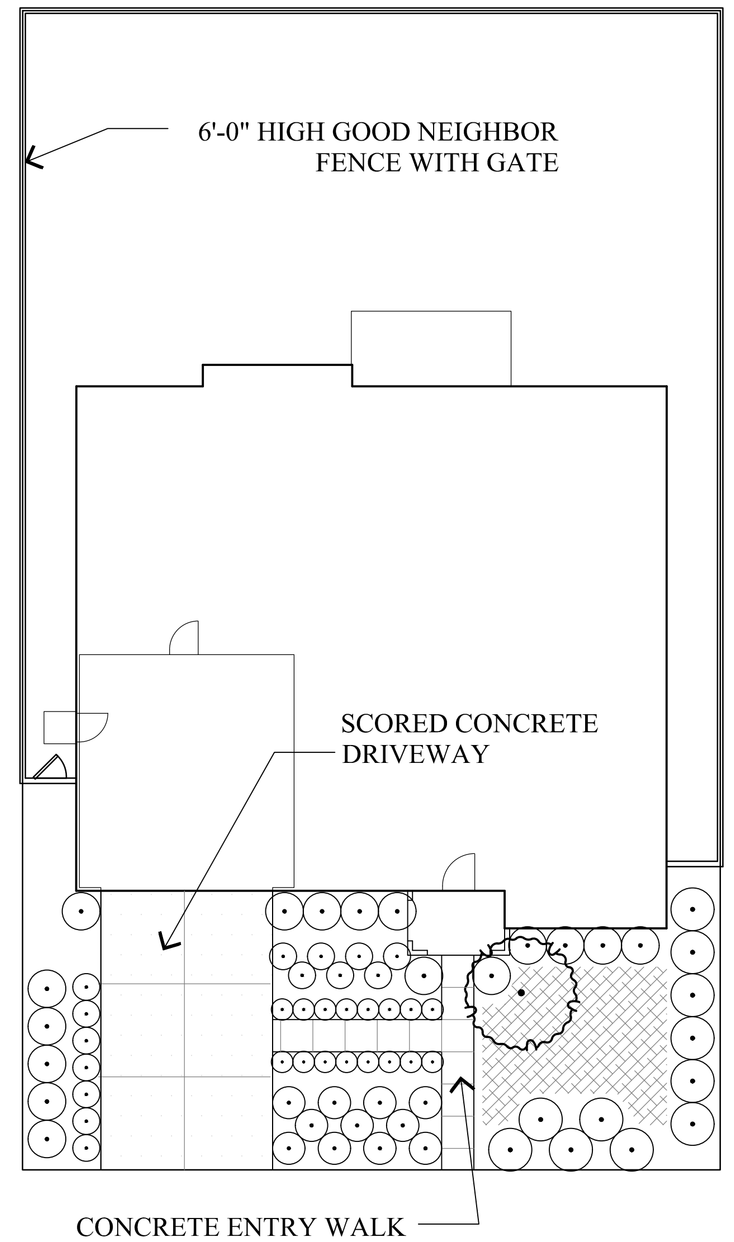
Preliminary Landscape Site Details

L4

C11



PLAN 1



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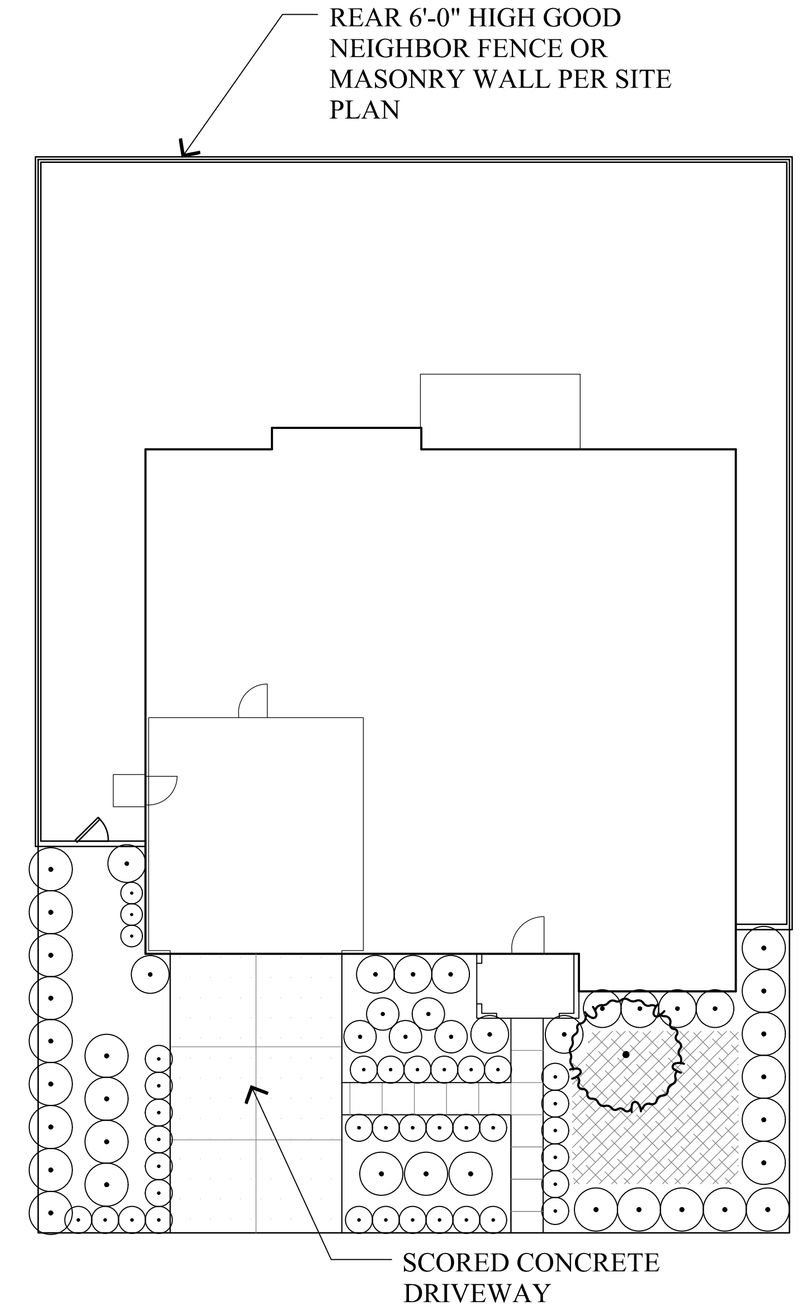


PLAN 2X

PRELIMINARY PROPOSED PLANT PALETTES

CONTEMPORARY RANCH

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
PRUNUS BLIREANA	FLOWERING PLUM	15 GALLON	LOW
SHRUBS			
CALLISTEMON 'LITTLE JOHN'	DWARF CALLISTEMON	5 GALLON	LOW
CAREX DIVULSA	BERKELEY SEDGE	5 GALLON	LOW
LAVANDULA ANGUSTIFOLIA 'MUNSTEAD'	ENGLISH LAVENDER	5 GALLON	LOW
LEUCADENDRON 'CLOUDBANK GINNY'	CONEBUSH	5 GALLON	LOW
MUHLENBERGIA DUBIA	PINE MUHLY	5 GALLON	LOW
PENNISETUM S. 'HAMELN'	DWARF FOUNTAIN GRASS	5 GALLON	LOW
PHORMIUM 'DARK DELIGHT'	NEW ZEALAND FLAX	5 GALLON	LOW
WESTRINGIA 'WYNYABBIE HIGHLIGHT'	AUSTRALIAN ROSEMARY	5 GALLON	LOW
GROUND COVERS			
COTONEASTER DAMMERI CORAL BEAUTY' 60" O.C	BEARBERRY COTONEASTER	1 GALLON	LOW
ROSMARINUS O. HUNTINGTON CARPET' 48" O.C	DWARF ROSEMARY	1 GALLON	LOW

MODERN PRAIRIE

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GALLON	LOW
SHRUBS			
ANIGOZANTHOS 'BUSH DAWN'	YELLOW KANGAROO PAW	5 GALLON	LOW
CALAMAGROSTIS A. 'KARL FOERSTER'	FEATHER REED GRASS	5 GALLON	LOW
LEYMUS C. 'CANYON PRINCE'	CANYON PRINCE WILD RYE	5 GALLON	LOW
MUHLENBERGIA CAPILLARIS	HAIRY AWN MUHLY	5 GALLON	LOW
OLEA E. 'LITTLE OLLIE'	DWARF OLIVE	5 GALLON	LOW
PENNISETUM A. 'RUBRUM'	RED FOUNTAIN GRASS	5 GALLON	LOW
SALVIA LEUCANTHA	MEXICAN SAGE	5 GALLON	LOW
TEUCRIUM CHAMAEDRYS	GERMANDER	5 GALLON	LOW
GROUND COVERS			
VERBENA LILACINA 'DE LA MINA' 42" O.C	CEDROS ISLAND VERBENA	1 GALLON	LOW
JUNIPERUS PROCUMBENS 'NANA' 48" O.C	DWARF JUNIPER	1 GALLON	LOW

MIDCENTURY MODERN

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
GINKGO BILOBA 'FASTIGIATA'	MAIDENHAIR TREE	15 GALLON	LOW
SHRUBS			
CHORONDOPETALUM TECTORUM	CAPE RUSH	5 GALLON	LOW
GREVILLEA NOELLII'	NOEL'S GREVILLEA	5 GALLON	LOW
LOMANDRA LONGIFOLIA BREEZE	DWARF MAT RUSH	5 GALLON	LOW
MYRTUS COMMUNIS COMPACTA'	DWARF MYRTLE	5 GALLON	LOW
PENNISETUM 'FAIRY TAILS'	EVERGREEN FOUNTAIN GRASS	5 GALLON	LOW
PHORMIUM 'YELLOW WAVE'	NEW ZEALAND FLAX	5 GALLON	LOW
ROSMARINUS OFFICINALIS	ROSEMARY	5 GALLON	LOW
SANTOLINA CHAMAECYPARISSUS	GRAY LAVENDER COTTON	5 GALLON	LOW
SANTOLINA VIRENS	GREEN LAVENDER COTTON	5 GALLON	LOW
GROUND COVERS			
MYOPORUM PARVIFOLIUM 'PINK' 48" O.C	PINK CREEPING MYOPORUM	1 GALLON	LOW
SENECIO MANDRALISCAE 24" O.C	BLUE CHALK STICKS	1 GALLON	LOW

GRAPHIC SCALE

0 10 20 30

(IN FEET)
1 inch = 10 ft.

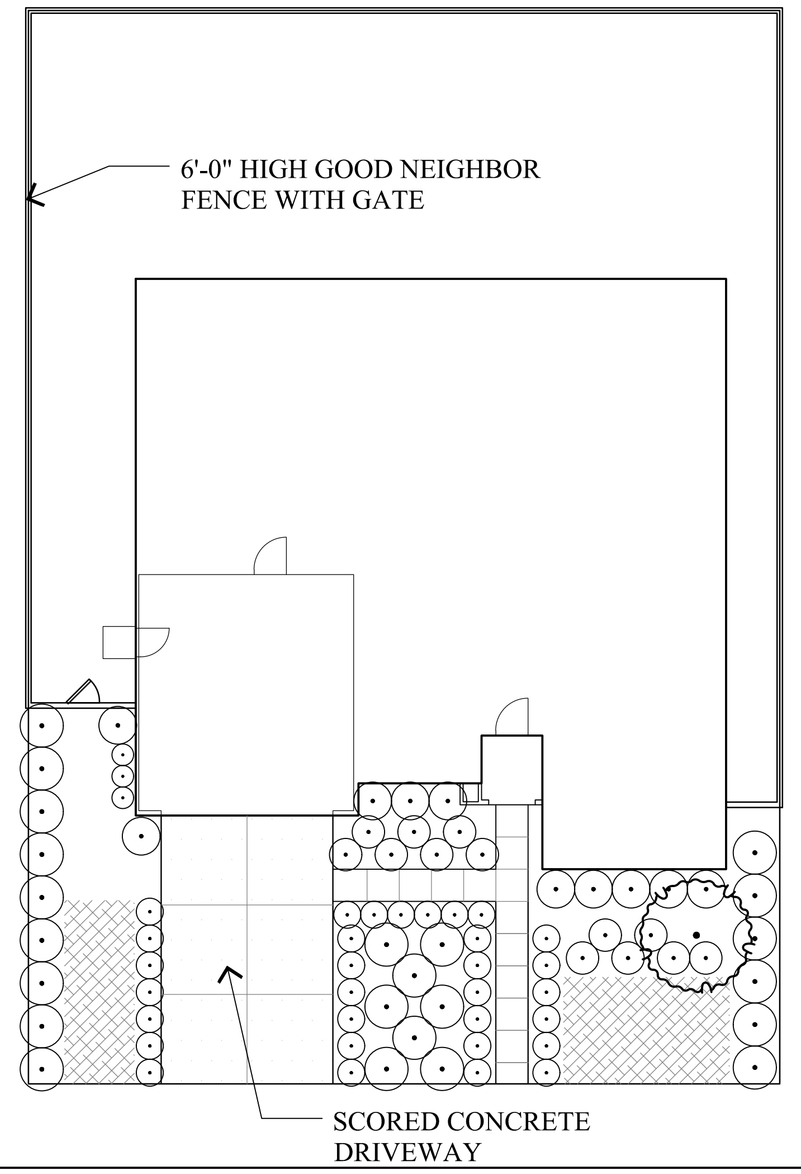
RIPLEY DESIGN GROUP
LANDSCAPE ARCHITECTURE
LAND PLANNING
1615 BONANZA STREET
SUITE 314
WALNUT CREEK, CA 94596
TEL: 925.938.7377
www.ripleydesign.com

BLUE MOUNTAIN COMMUNITIES
707 Aldridge Road
Vacaville, Ca 95688
TEL: 707.451.8111

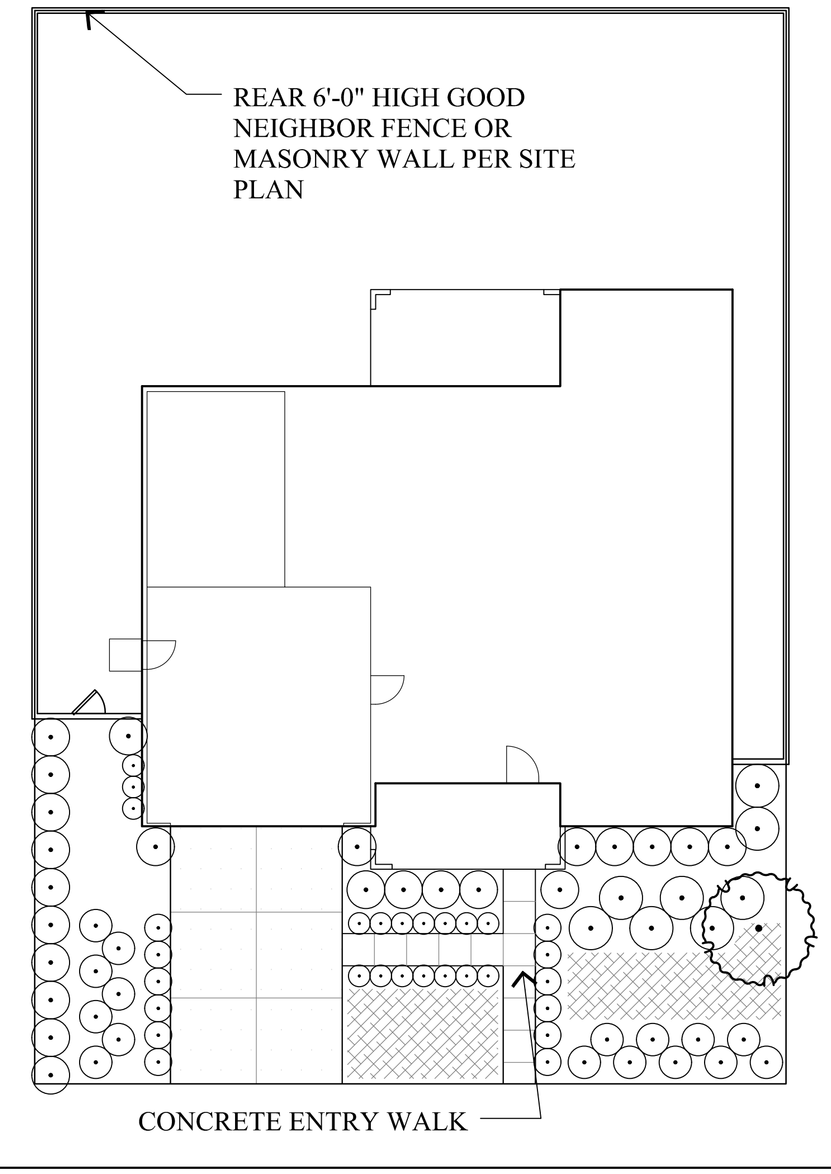
DEER VALLEY
Antioch, CA

Preliminary Landscape Front Yard Typicals

L5



PLAN 3



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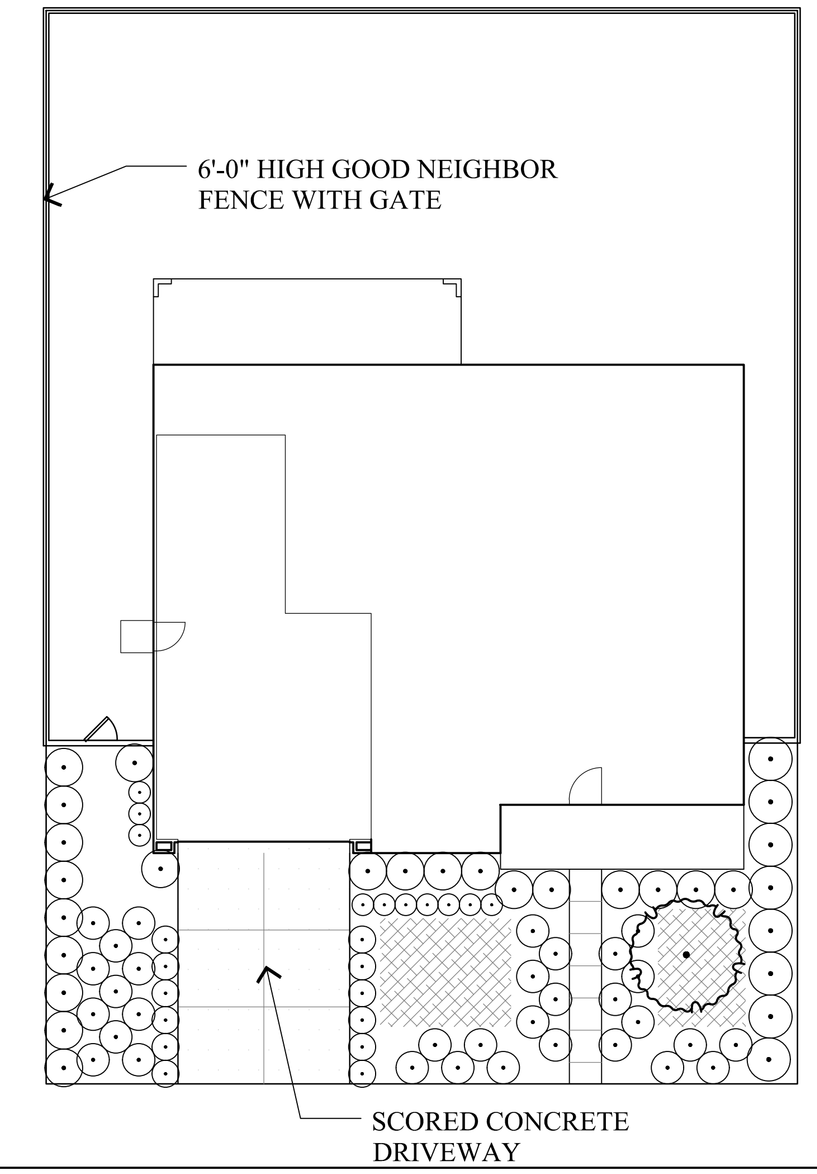

PLAN 5

PRELIMINARY PROPOSED PLANT PALETTES

CONTEMPORARY RANCH

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
PRUNUS BLIREANA	FLOWERING PLUM	15 GALLON	LOW
SHRUBS			
CALLISTEMON 'LITTLE JOHN'	DWARF CALLISTEMON	5 GALLON	LOW
CAREX DIVULSA	BERKELEY SEDGE	5 GALLON	LOW
LAVANDULA ANGUSTIFOLIA 'MUNSTEAD'	ENGLISH LAVENDER	5 GALLON	LOW
LEUCADENDRON 'CLOUDBANK GINNY'	CONEBUSH	5 GALLON	LOW
MUHLENBERGIA DUBIA	PINE MUHLY	5 GALLON	LOW
PENNISETUM S. 'HAMELN'	DWARF FOUNTAIN GRASS	5 GALLON	LOW
PHORMIUM 'DARK DELIGHT'	NEW ZEALAND FLAX	5 GALLON	LOW
WESTRINGIA 'WYNYABBIE HIGHLIGHT'	AUSTRALIAN ROSEMARY	5 GALLON	LOW
GROUND COVERS			
COTONEASTER DAMMERI 'CORAL BEAUTY' 60" O.C	BEARBERRY COTONEASTER	1 GALLON	LOW
ROSMARINUS O. 'HUNTINGTON CARPET' 48" O.C	DWARF ROSEMARY	1 GALLON	LOW

MODERN PRAIRIE

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
CERCIS OCCIDENTALIS	WESTERN REDBUD	15 GALLON	LOW
SHRUBS			
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OLEA E. 'LITTLE OLLIE'	DWARF OLIVE	5 GALLON	LOW
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TEUCRIUM CHAMAEDRYS	GERMANDER	5 GALLON	LOW
GROUND COVERS			
VERBENA LILACINA DE LA MINA' 42" O.C	CEDROS ISLAND VERBENA	1 GALLON	LOW
JUNIPERUS PROCUMBENS NANA' 48" O.C	DWARF JUNIPER	1 GALLON	LOW

MIDCENTURY MODERN

BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
TREES			
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SHRUBS			
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LOMANDRA LONGIFOLIA BREEZE	DWARF MAT RUSH	5 GALLON	LOW
MYRTUS COMMUNIS COMPACTA'	DWARF MYRTLE	5 GALLON	LOW
PENNISETUM 'FAIRY TAILS'	EVERGREEN FOUNTAIN GRASS	5 GALLON	LOW
PHORMIUM 'YELLOW WAVE'	NEW ZEALAND FLAX	5 GALLON	LOW
ROSMARINUS OFFICINALIS	ROSEMARY	5 GALLON	LOW
SANTOLINA CHAMAECYPARISSUS	GRAY LAVENDER COTTON	5 GALLON	LOW
SANTOLINA VIRENS	GREEN LAVENDER COTTON	5 GALLON	LOW
GROUND COVERS			
MYOPORUM PARVIFOLIUM PINK' 48" O.C	PINK CREEPING MYOPORUM	1 GALLON	LOW
SENECIO MANDRALISCAE 24" O.C	BLUE CHALK STICKS	1 GALLON	LOW

GRAPHIC SCALE

0 10 20 30

(IN FEET)
1 inch = 10 ft.

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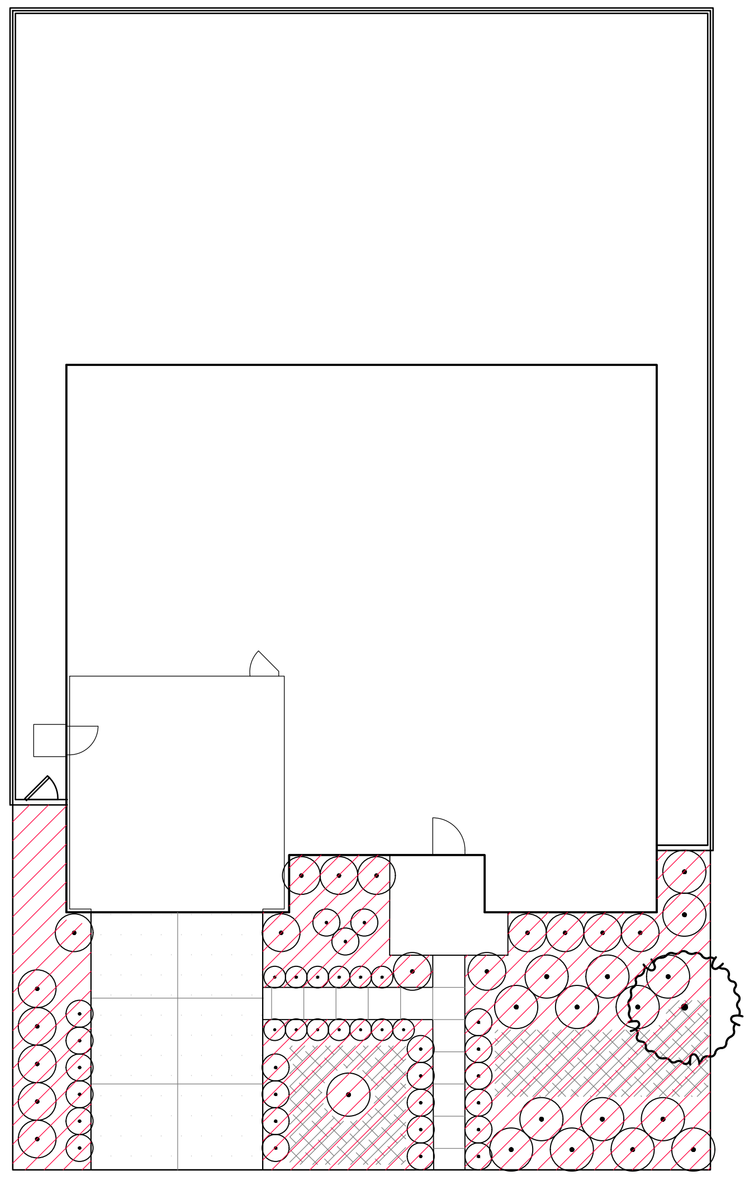
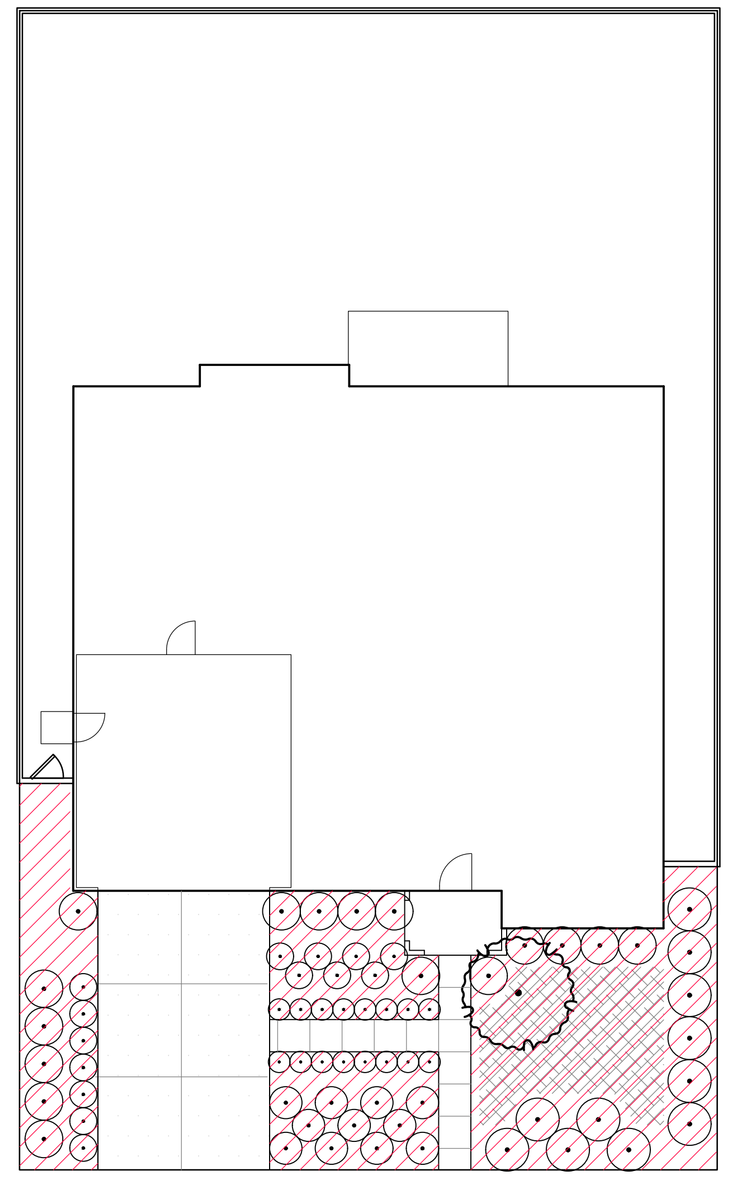
DEER VALLEY
Antioch, CA

Preliminary Landscape Front Yard Typicals

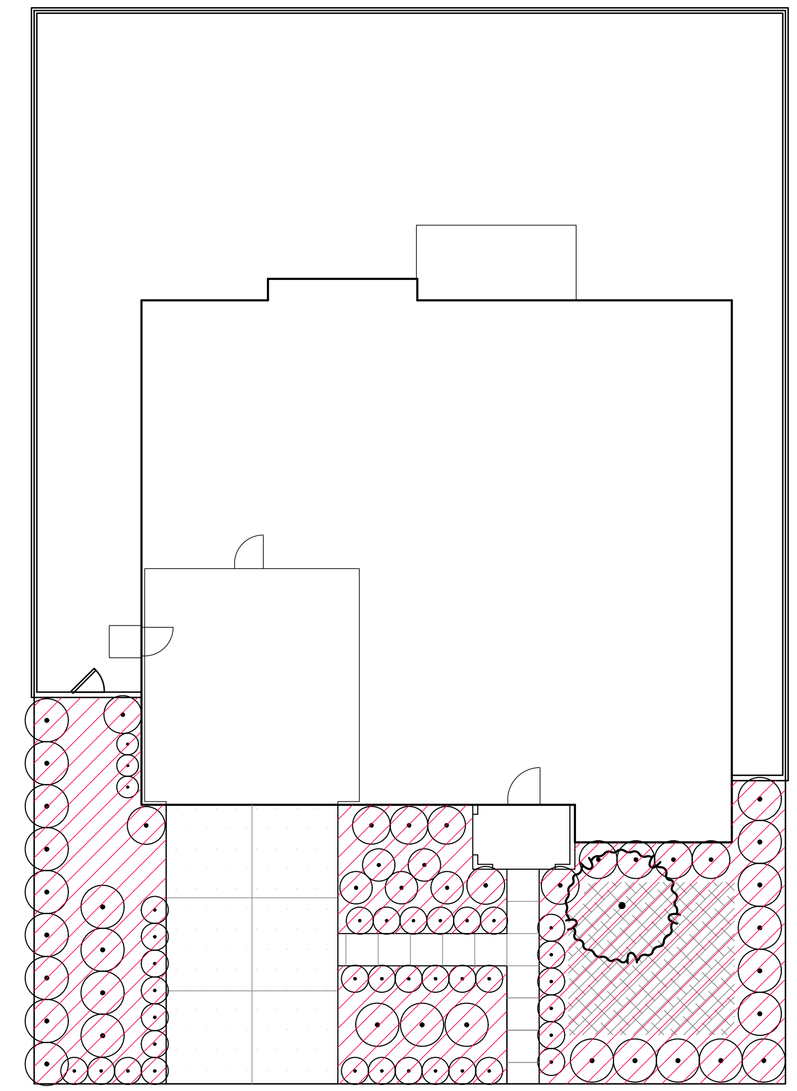
L6



PLAN 1



PLAN 2



PLAN 2X

WATER USE CALCULATIONS:

THE MAXIMUM APPLIED WATER ALLOWANCE (MAWA) IN GALLONS PER YEAR IS BASE ON THE FOLLOWING FORMULA:

MAWA = (ETo)(0.62)(0.55 X LA)

THE ESTIMATED TOTAL WATER USE (ETWU) IS THE SUM TOTAL OF ESTIMATED WATER USE FOR EACH HYDROZONE IN GALLONS PER YEAR AND IS BASED ON THE FOLLOWING FORMULA:

$$ETWU = (ETo)(0.62)\left(\frac{PF \times HA}{IE} + SLA\right)$$

ETo = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)
LA = LANDSCAPE AREA
HA = HYDROZONE AREA (SQUARE FEET)
PF = PLANT FACTOR FROM WUCOLS
IE = IRRIGATION EFFICIENCY (0.71)
0.55 = ET ADJUSTMENT FACTOR
0.62 = CONVERSION FACTOR (TO GALLONS)

REFERENCE EVAPOTRASNPIRATION (ETo) : 48.3

MAXIMUM APPLIED WATER ALLOWANCE:

MAWA = (48.3) X (0.62) X (0.55 X LA SF) = GAL/YR

ESTIMATED TOTAL WATER USE:

$$ETWU = (48.3) \times (0.62) \times \left(\frac{0.20 \times LA\ SF}{0.71}\right) = GAL/YR$$

HYDROZONE KEY

SYMBOL	DESCRIPTION
	LOW WATER USE

HYDROZONE INFORMATION TABLE - PLAN 1

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,150 SF	99%
LOW	A-2	BUBBLER	7 SF	7%
		TOTAL	1,157 SF	100%
		MAWA	19,056 GAL/YR	
		ETWU	9,497 GAL/YR	

HYDROZONE INFORMATION TABLE - PLAN 2

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,124 SF	99%
LOW	A-2	BUBBLER	7 SF	1%
		TOTAL	1,131 SF	100%
		MAWA	18,627 GAL/YR	
		ETWU	9,540 GAL/YR	

HYDROZONE INFORMATION TABLE - PLAN 2X

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,299 SF	99%
LOW	A-2	BUBBLER	7 SF	1%
		TOTAL	1,306 SF	100%
		MAWA	21,510 GAL/YR	
		ETWU	11,016 GAL/YR	

GRAPHIC SCALE

0 10 20 30

(IN FEET)
1 inch = 10 ft.

RIPLEY DESIGN GROUP
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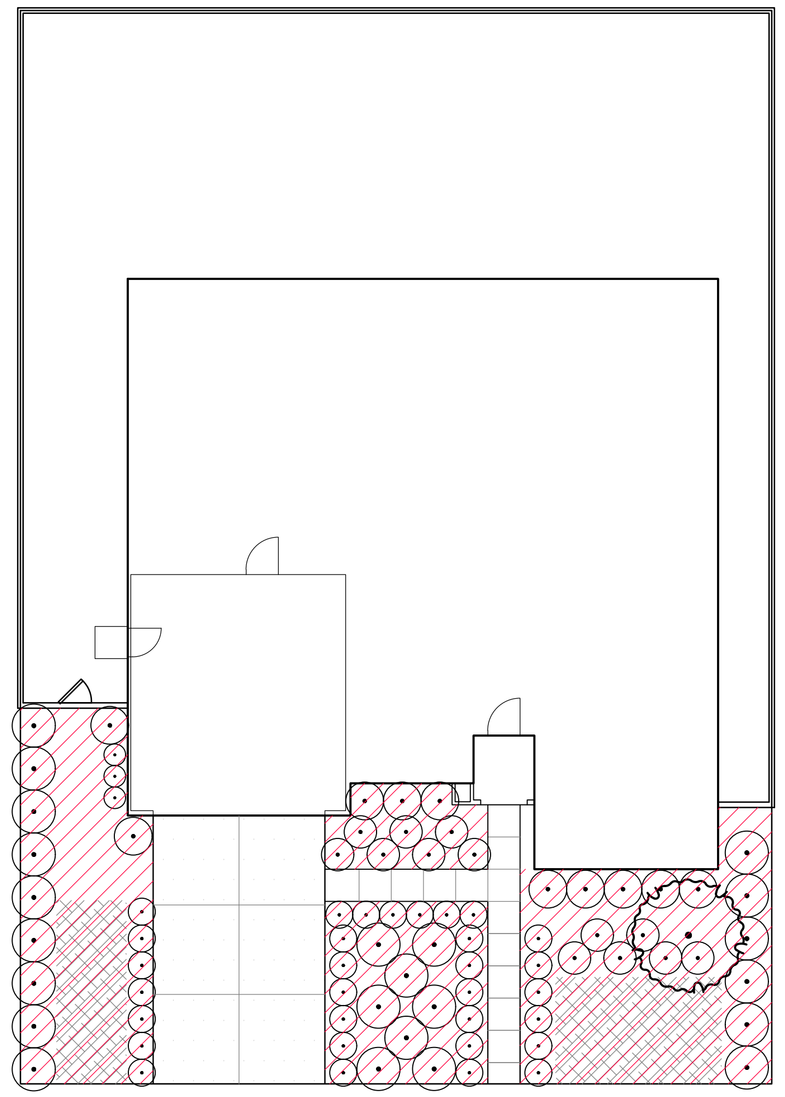
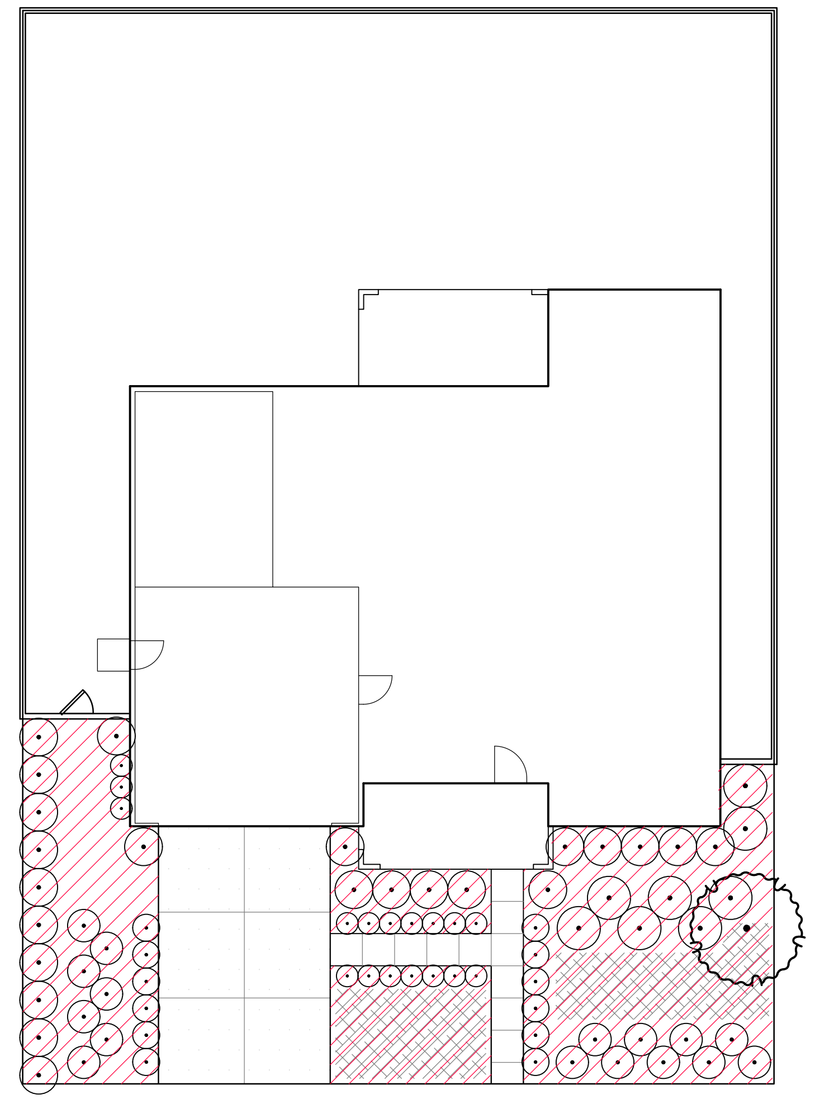
DEER VALLEY
Antioch, CA

Preliminary Landscape Site Data - Welo Conformance

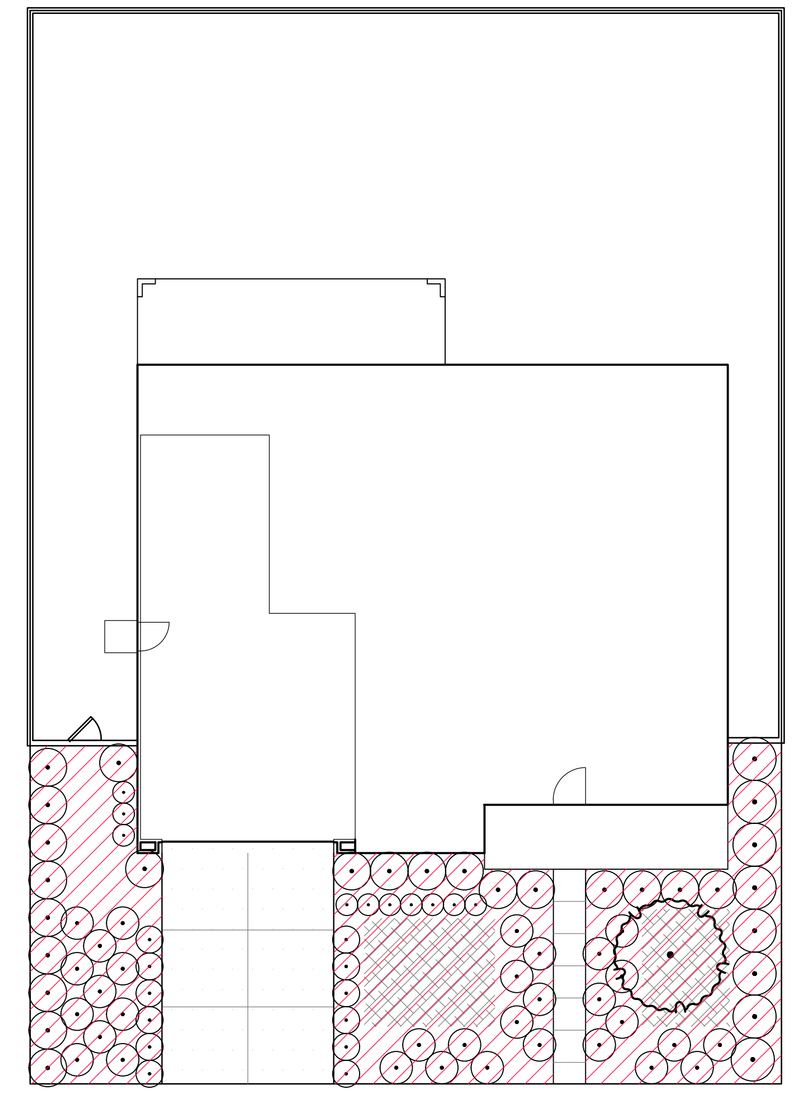
L7



PLAN 3



PLAN 4



PLAN 5

WATER USE CALCULATIONS:

THE MAXIMUM APPLIED WATER ALLOWANCE (MAWA) IN GALLONS PER YEAR IS BASE ON THE FOLLOWING FORMULA:

MAWA = (ETo)(0.62)(0.55 X LA)

THE ESTIMATED TOTAL WATER USE (ETWU) IS THE SUM TOTAL OF ESTIMATED WATER USE FOR EACH HYDROZONE IN GALLONS PER YEAR AND IS BASED ON THE FOLLOWING FORMULA:

$$ETWU = (ETo)(0.62)[\frac{(PF \times HA)}{IE} + SLA]$$

ETo = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)
LA = LANDSCAPE AREA
HA = HYDROZONE AREA (SQUARE FEET)
PF = PLANT FACTOR FROM WUCOLS
IE = IRRIGATION EFFICIENCY (0.71)
0.55 = ET ADJUSTMENT FACTOR
0.62 = CONVERSION FACTOR (TO GALLONS)

REFERENCE EVAPOTRASNPIRATION (ETo) : 48.3

MAXIMUM APPLIED WATER ALLOWANCE:

MAWA = (48.3) X (0.62) X (0.55 X LA SF) = GAL/YR

ESTIMATED TOTAL WATER USE:

$$ETWU = (48.3) \times (0.62) \times \frac{(0.20 \times LA\ SF)}{0.71} = GAL/YR$$

HYDROZONE KEY

SYMBOL	DESCRIPTION
	LOW WATER USE

HYDROZONE INFORMATION TABLE - PLAN 3

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,280 SF	99%
LOW	A-2	BUBBLER	7 SF	7%
		TOTAL	1,287 SF	100%
		MAWA	21,197 GAL/YR	
		ETWU	10,856 GAL/YR	

HYDROZONE INFORMATION TABLE - PLAN 4

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,241 SF	99%
LOW	A-2	BUBBLER	7 SF	7%
		TOTAL	1,248 SF	100%
		MAWA	20,554 GAL/YR	
		ETWU	10,527 GAL/YR	

HYDROZONE INFORMATION TABLE - PLAN 5

HYDROZONE (WATER USE)	ZONE/ VALVE	IRRIG. METHOD	AREA	% OF LANDSCAPE AREA
LOW	A-1	DRIP	1,220 SF	99%
LOW	A-2	BUBBLER	7 SF	1%
		TOTAL	1,227 SF	100%
		MAWA	20,209 GAL/YR	
		ETWU	10,350 GAL/YR	

GRAPHIC SCALE
0 10 20 30
(IN FEET)
1 inch = 10 ft.

RIPLEY DESIGN GROUP
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DEER VALLEY
Antioch, CA

Preliminary Landscape Site Data - Welo Conformance

L8

ANTIOCH, CA
KTGY PROJECT #190072

PLAN 1A

CONTEMPORARY RANCH

PLAN 2B

MODERN PRAIRIE

PLAN 2XC

MID-CENTURY MODERN

PLAN 3C

MID-CENTURY MODERN

PLAN 4A

CONTEMPORARY RANCH

PLAN 5B

MODERN PRAIRIE

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707 Aldridge Road, Ste. B
Vacaville, CA 95688

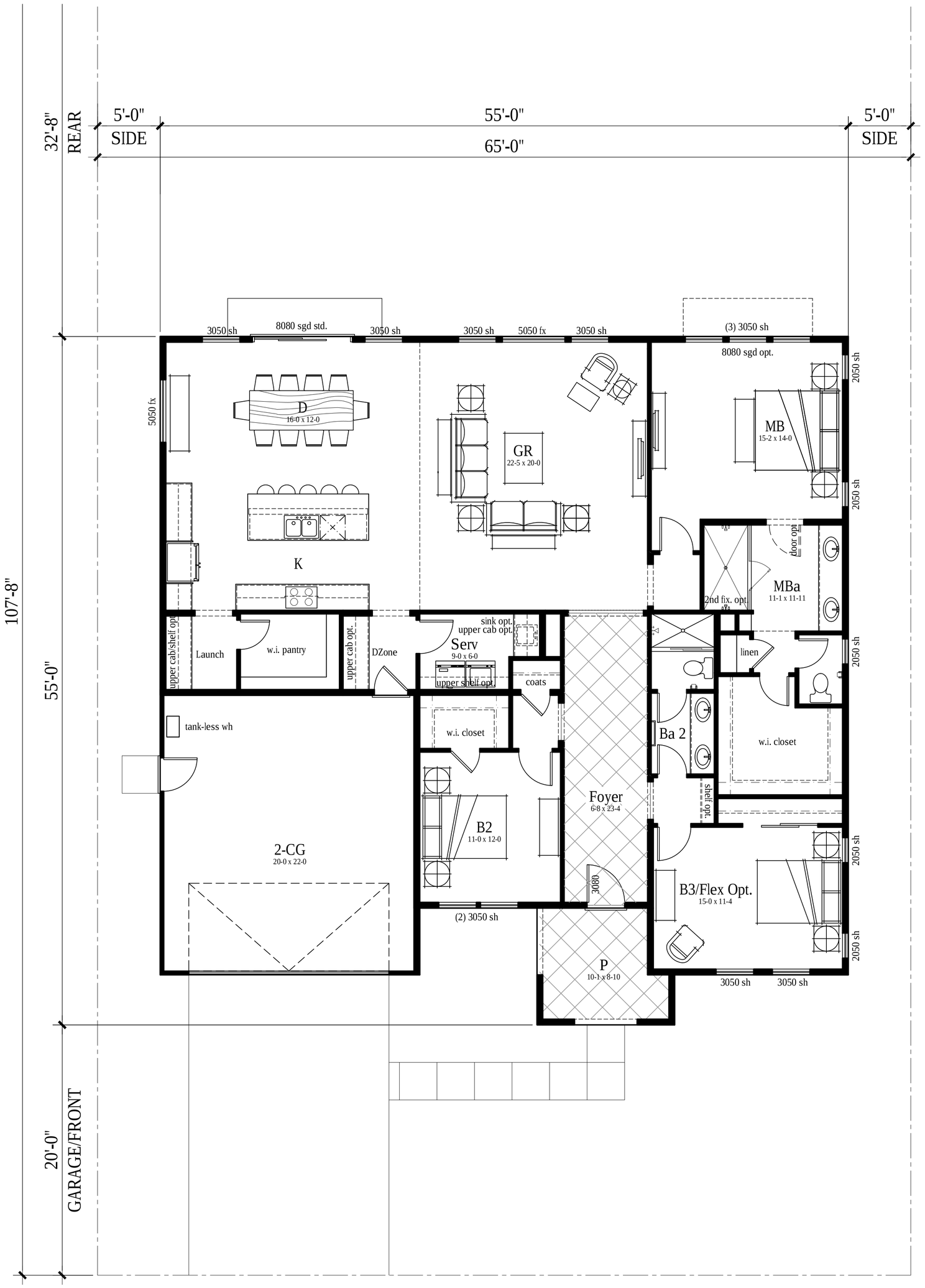
DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

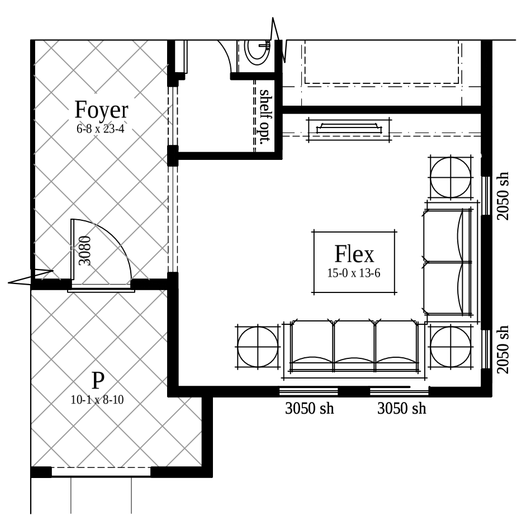
0 4' 8' 12'

PLANNING SUBMITTAL
05/01/2020

COVER SHEET

A0-01





FLEX OPTION

IN LIEU OF BEDROOM 3

SQUARE FOOTAGE SUMMARY	
PLAN 1	
FIRST FLOOR	2,252 S.F.
TOTAL	2,252 S.F.
TOTAL LOT COVERAGE	2,799 S.F.
PORCH	91 S.F.
2-CAR GARAGE	456 S.F.

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Blue Mountain Communities
707 Aldridge Road, Ste. B
Vacaville, CA 95688

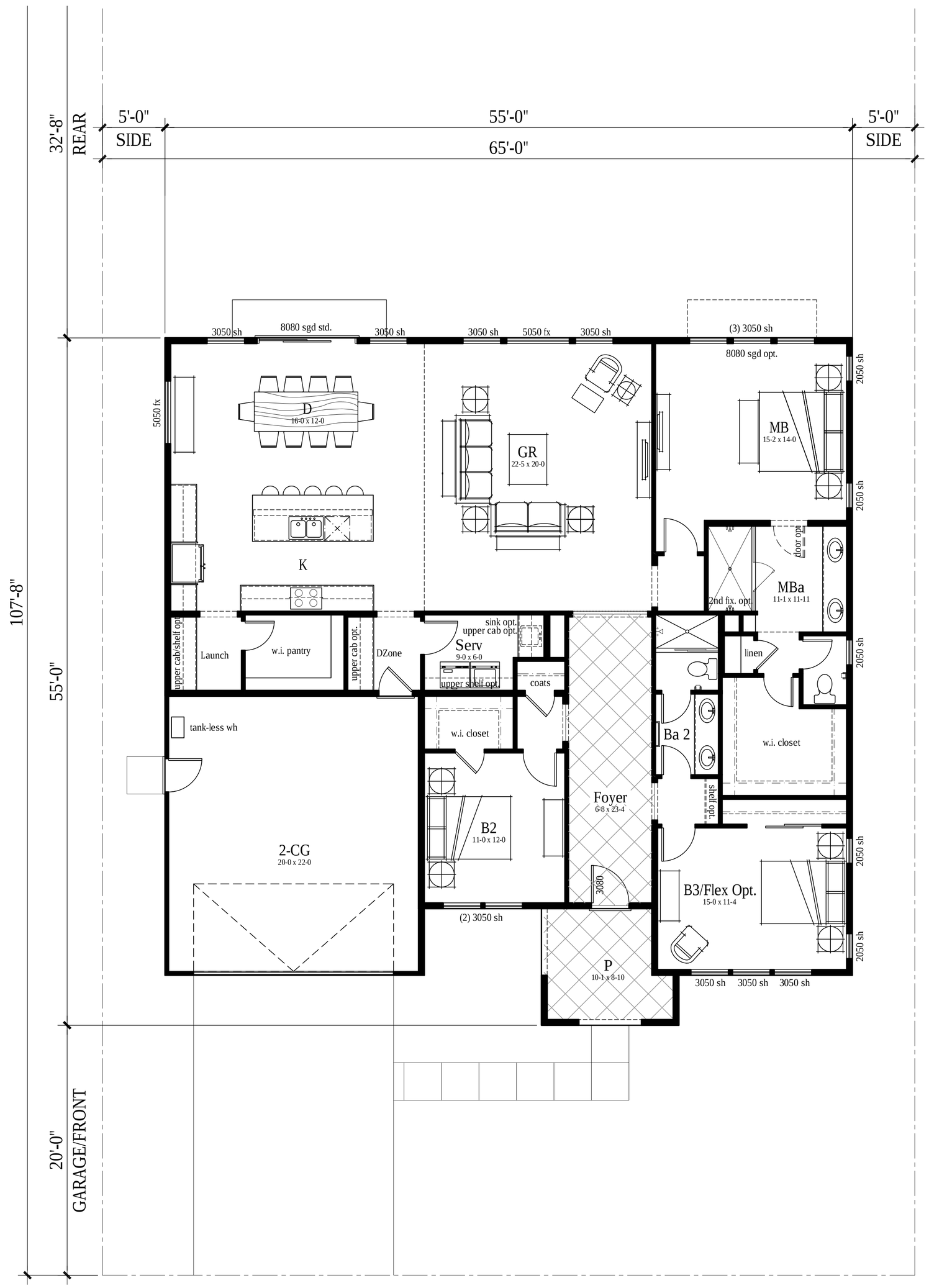
DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 4' 8' 12'

PLANNING SUBMITTAL
05/01/2020

PLAN 1 - STYLE 'A' - FLOOR PLAN

A1-10



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Vacaville, CA 95688

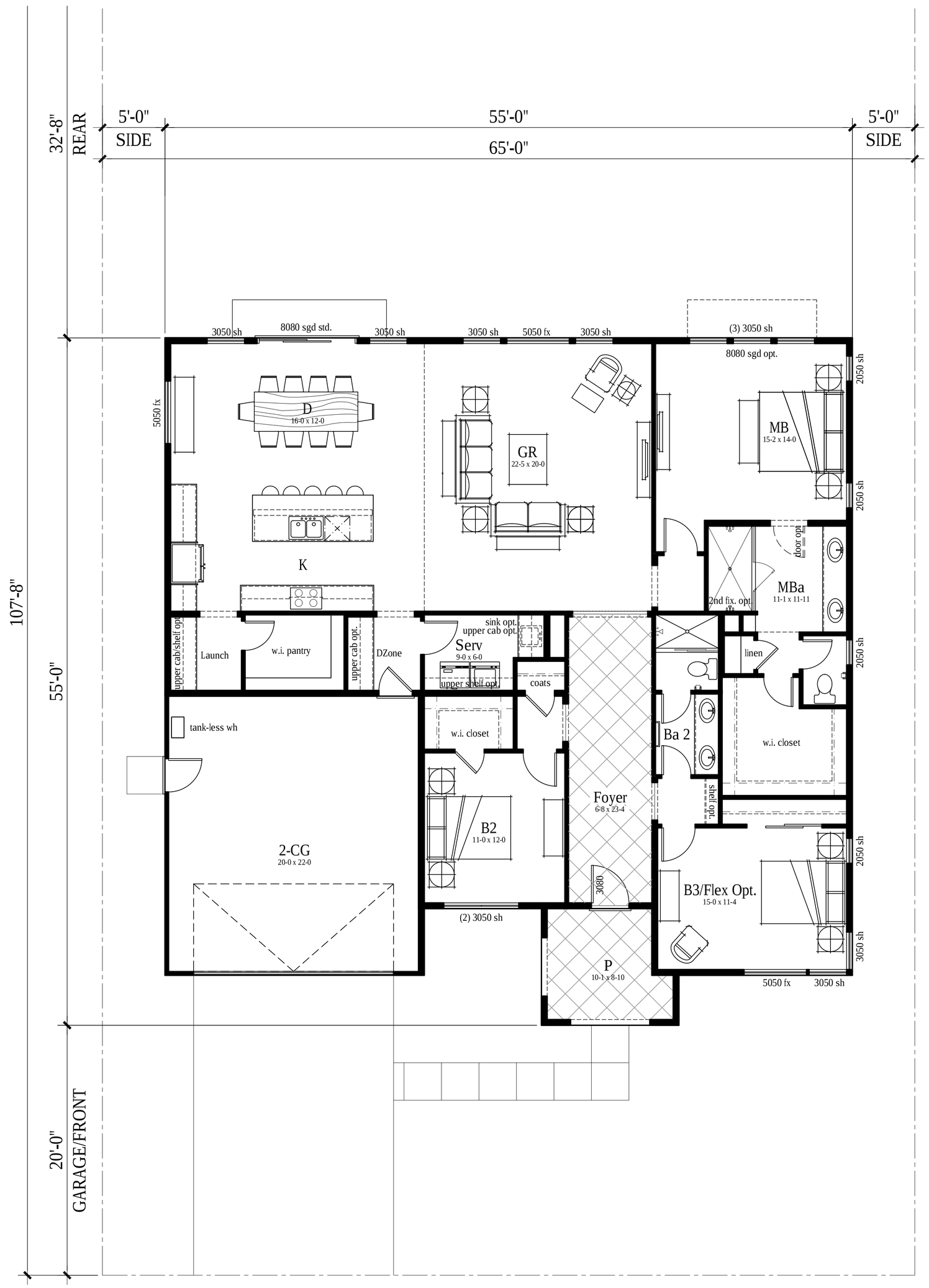
DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 4' 8' 12'

PLANNING SUBMITTAL
05/01/2020

PLAN 1 - STYLE 'B' - FLOOR PLAN

A1-11



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Vacaville, CA 95688

DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 4' 8' 12'

PLANNING SUBMITTAL
05/01/2020

PLAN 1 - STYLE 'C' - FLOOR PLAN

A1-12

PLAN 1A

CONTEMPORARY RANCH

PLAN 1B

MODERN PRAIRIE

PLAN 1C

MID-CENTURY MODERN

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
11. Exterior Light Fixture
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco

PLAN 1A

CONTEMPORARY RANCH

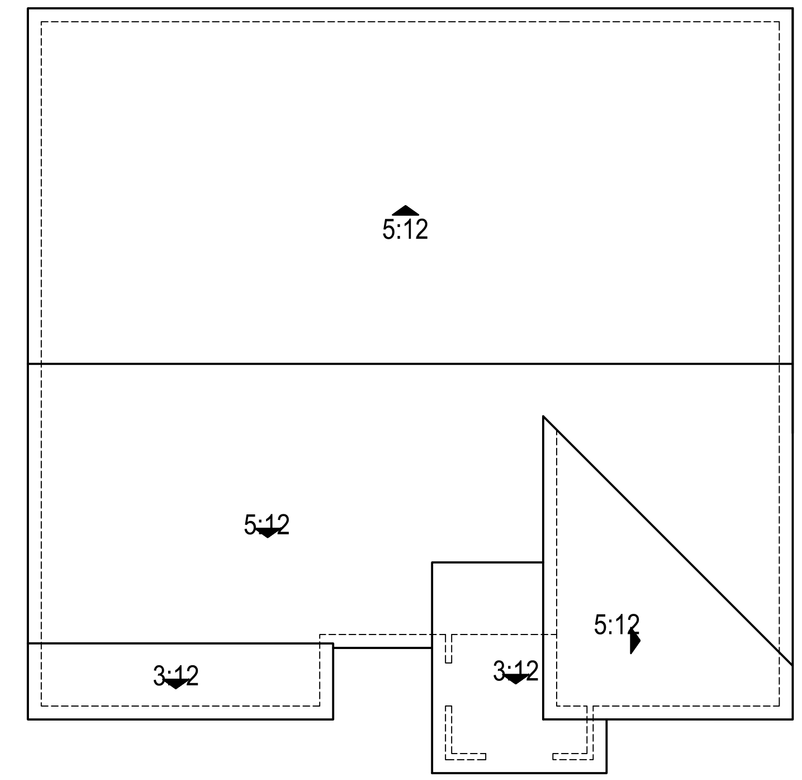
PLAN 1B

MODERN PRAIRIE

PLAN 1C

MID-CENTURY MODERN

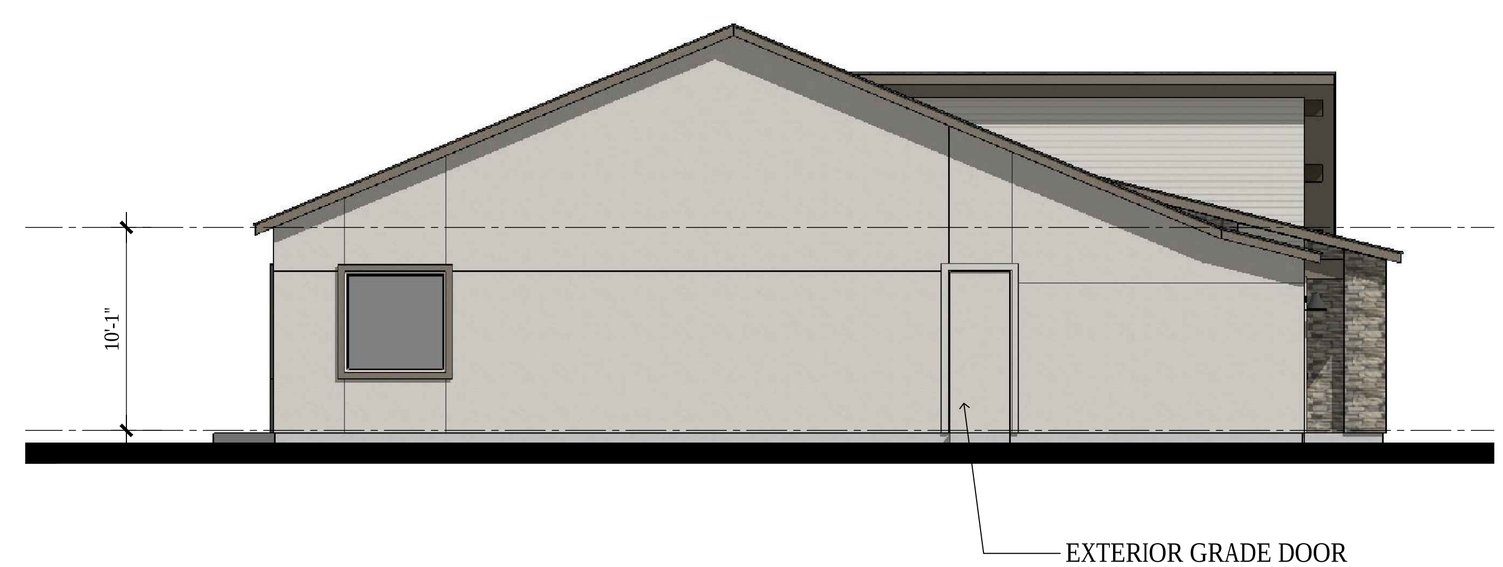
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 8' 16' 24'

PLANNING SUBMITTAL
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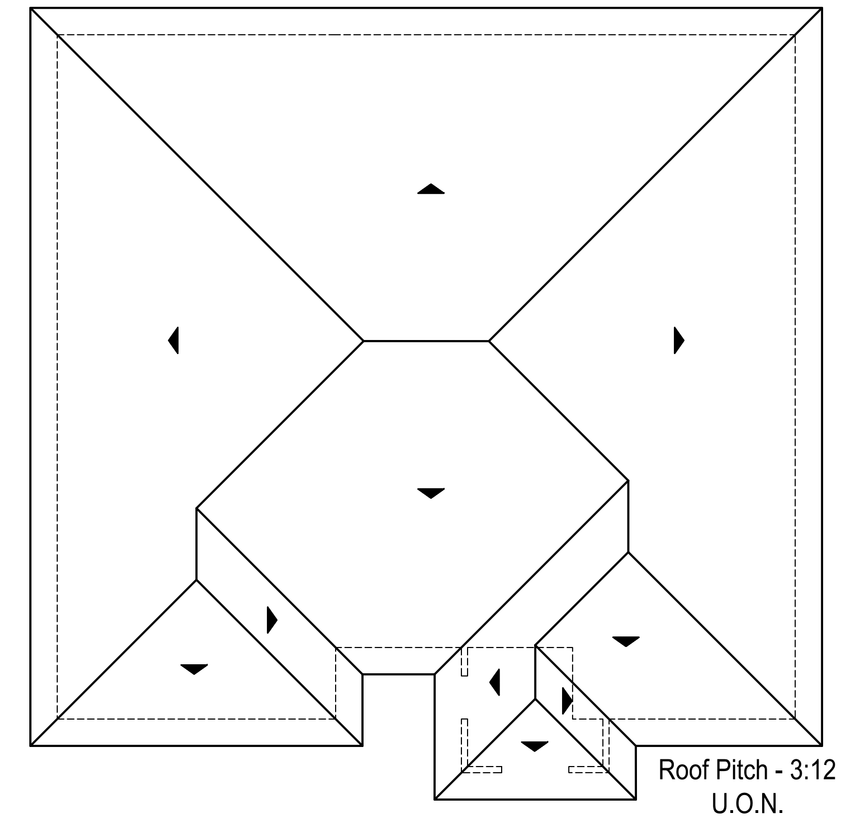
PLAN 1 - STYLE 'A' - EXT. EL. & ROOF PLAN

A1-22

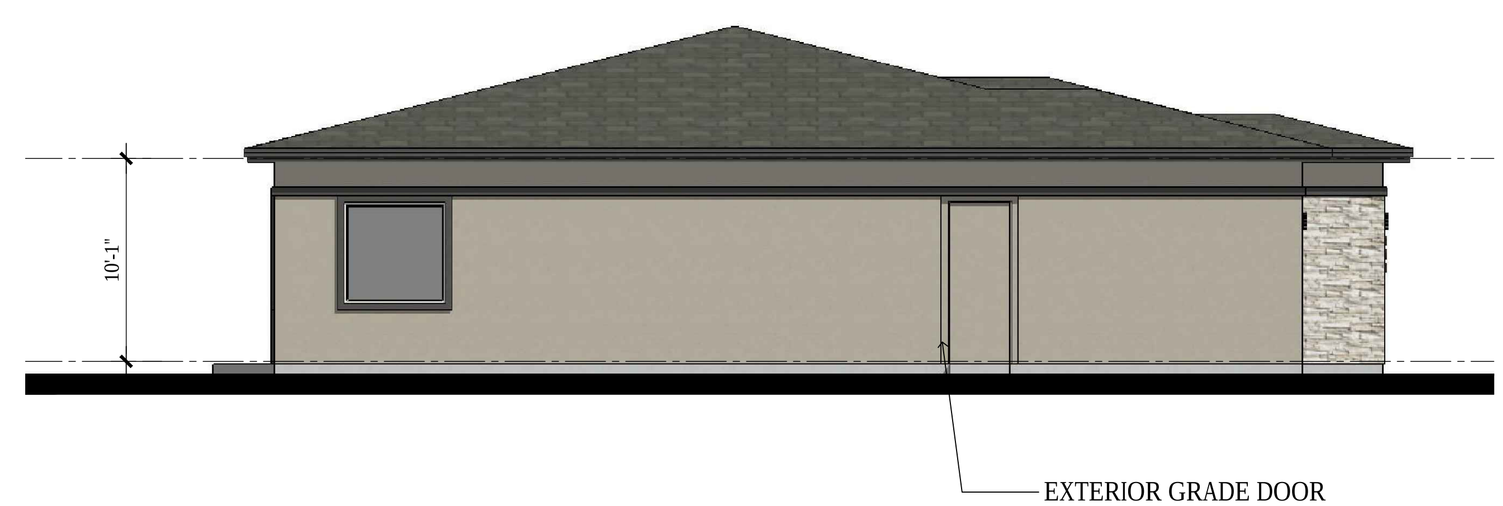
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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DEER VALLEY ESTATES
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0 8' 16' 24'

PLANNING SUBMITTAL
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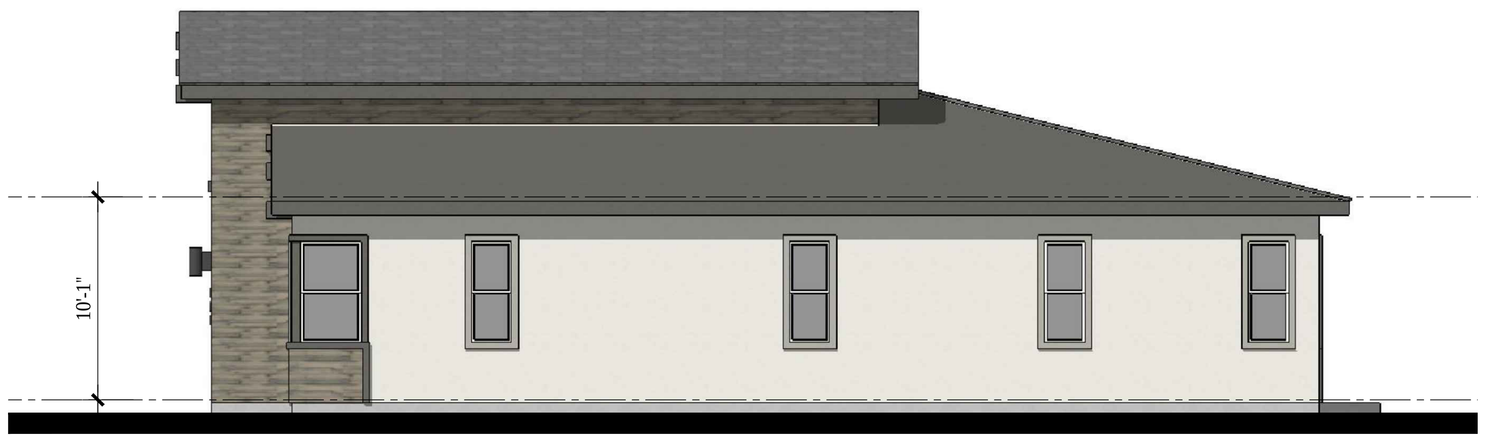
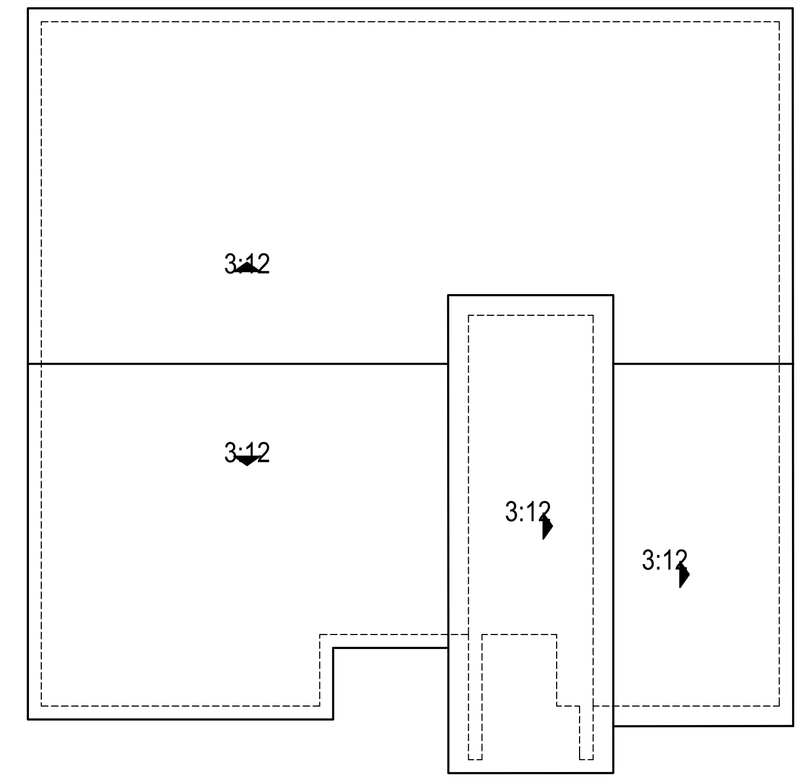
PLAN 1 - STYLE 'B' - EXT. EL. & ROOF PLAN

A1-23



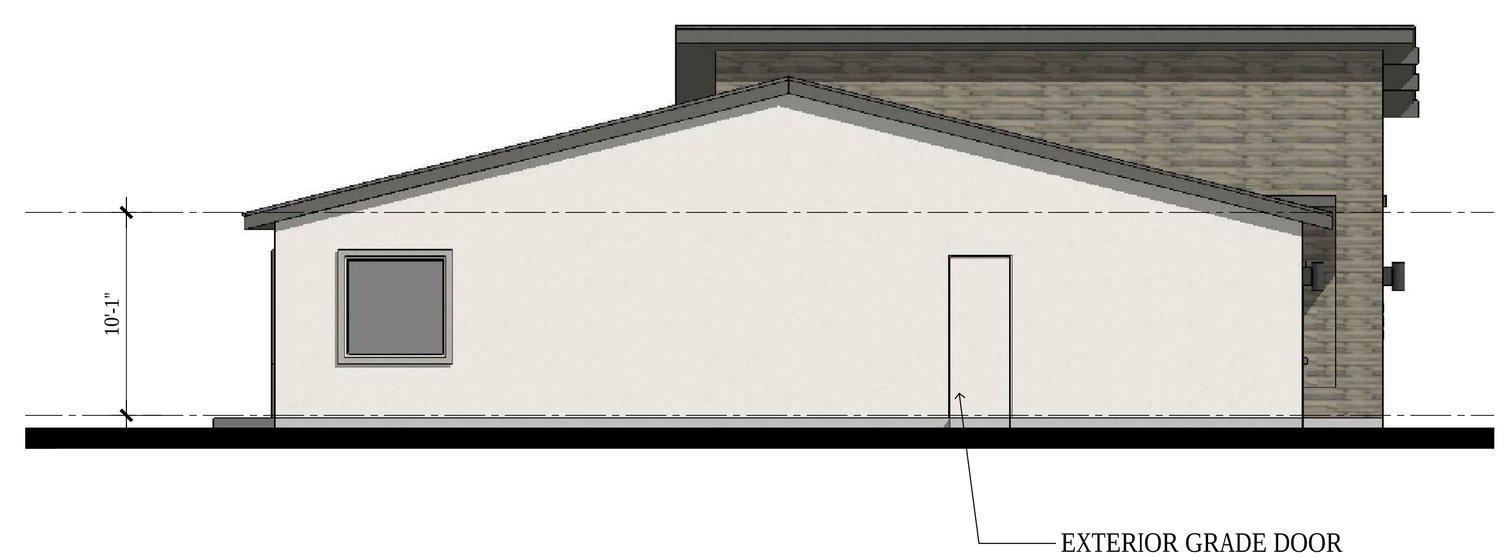
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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0 8' 16' 24'

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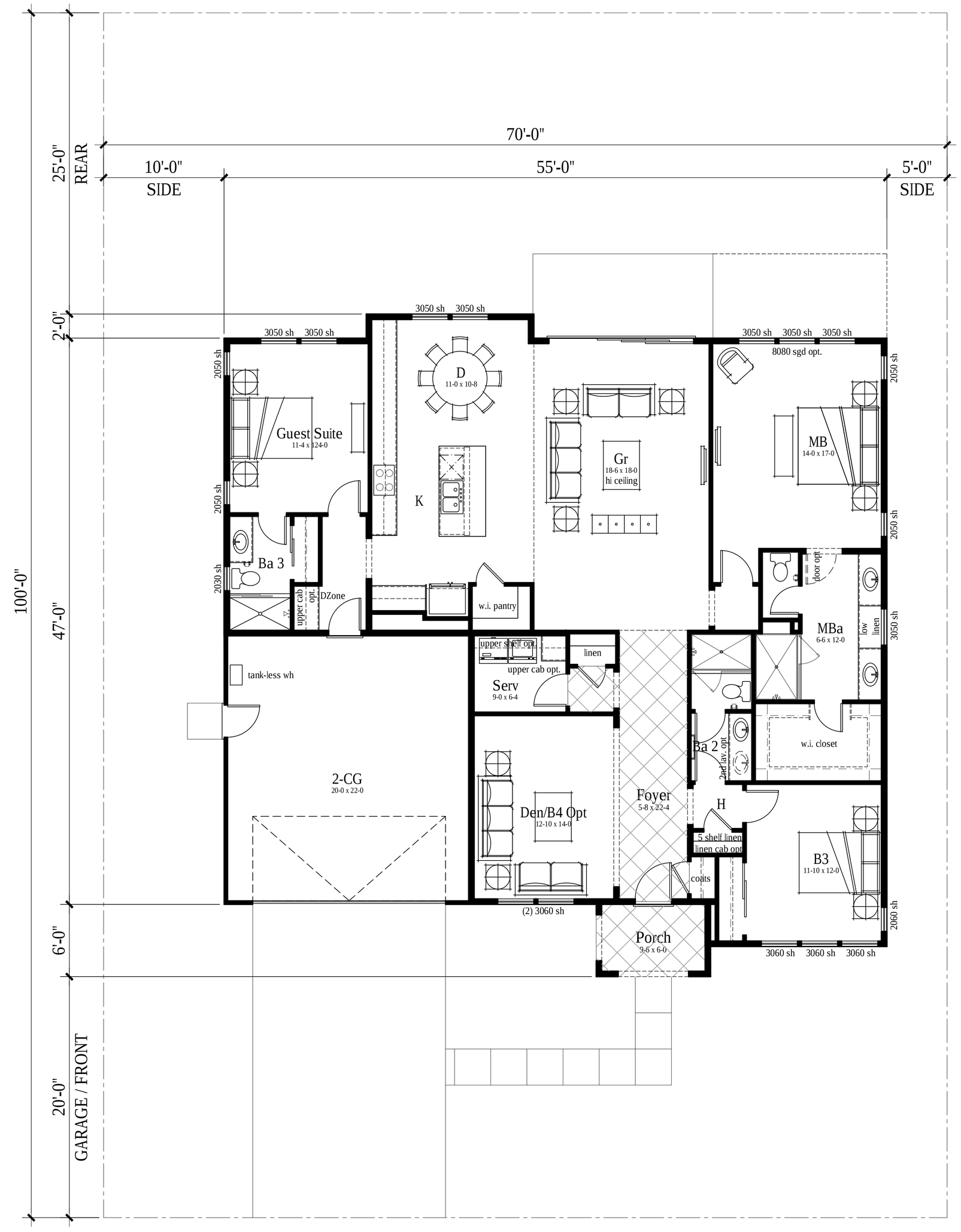
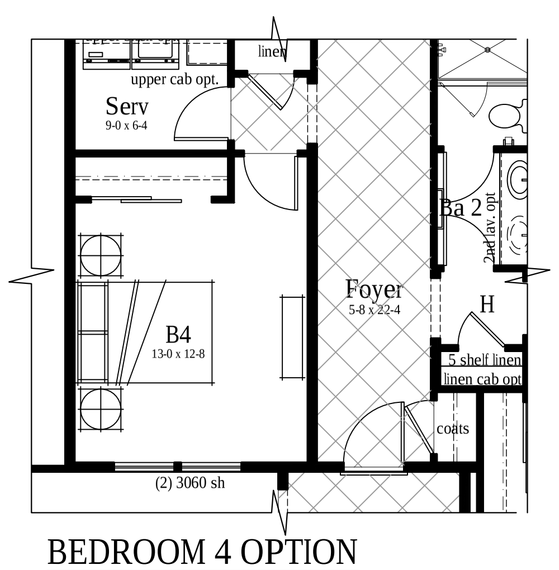
PLAN 1 - STYLE 'C' - EXT. EL. & ROOF PLAN

A1-24





BEDROOM 4 OPTION

IN LIEU OF DEN

SQUARE FOOTAGE SUMMARY	
PLAN 2	
FIRST FLOOR	2,213 S.F.
TOTAL	2,213 S.F.
TOTAL LOT COVERAGE	2,720 S.F.
PORCH	55 S.F.
2-CAR GARAGE	452 S.F.

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0 4' 8' 12'

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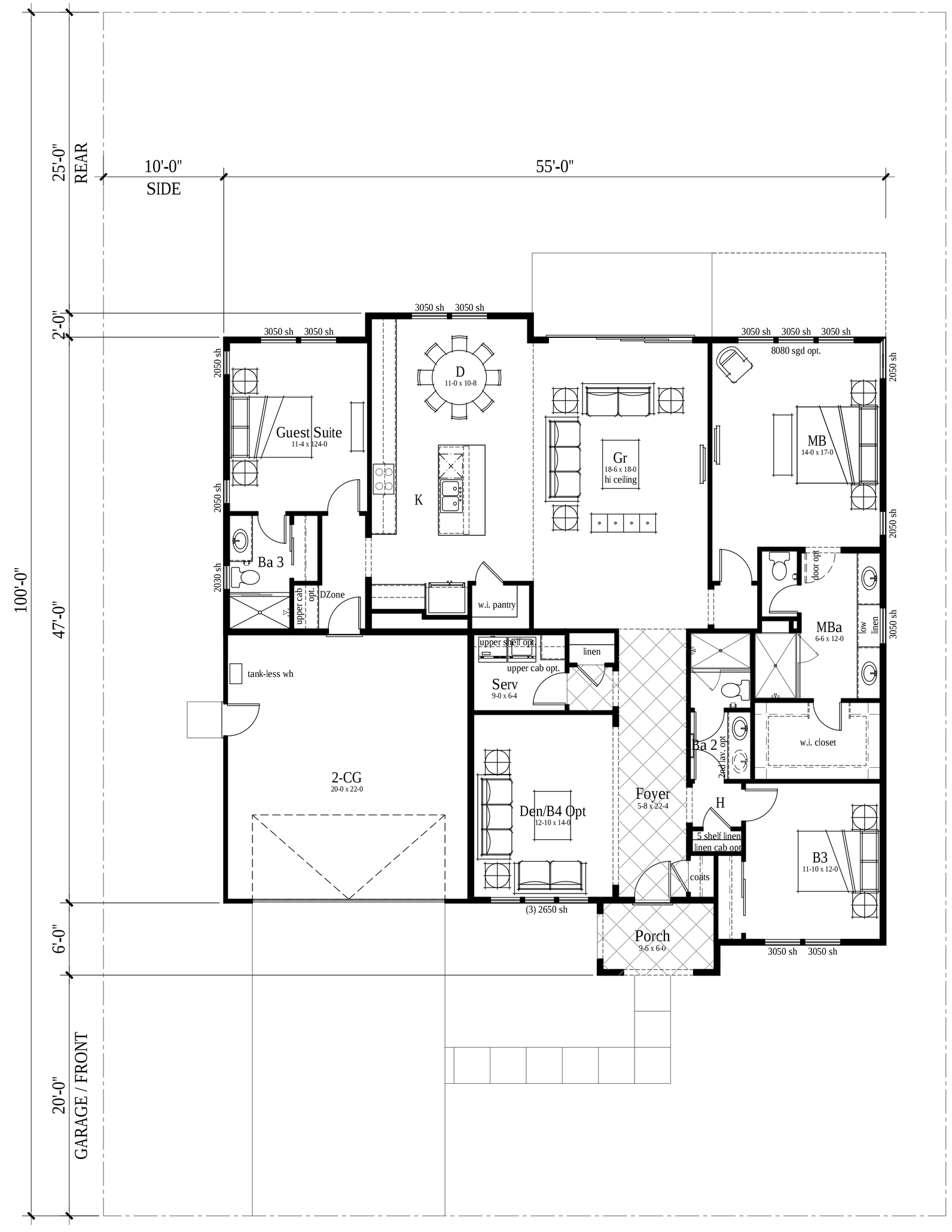
PLAN 2 - STYLE 'A' - FLOOR PLAN

A2-10



SQUARE FOOTAGE SUMMARY	
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0 4' 8' 12'

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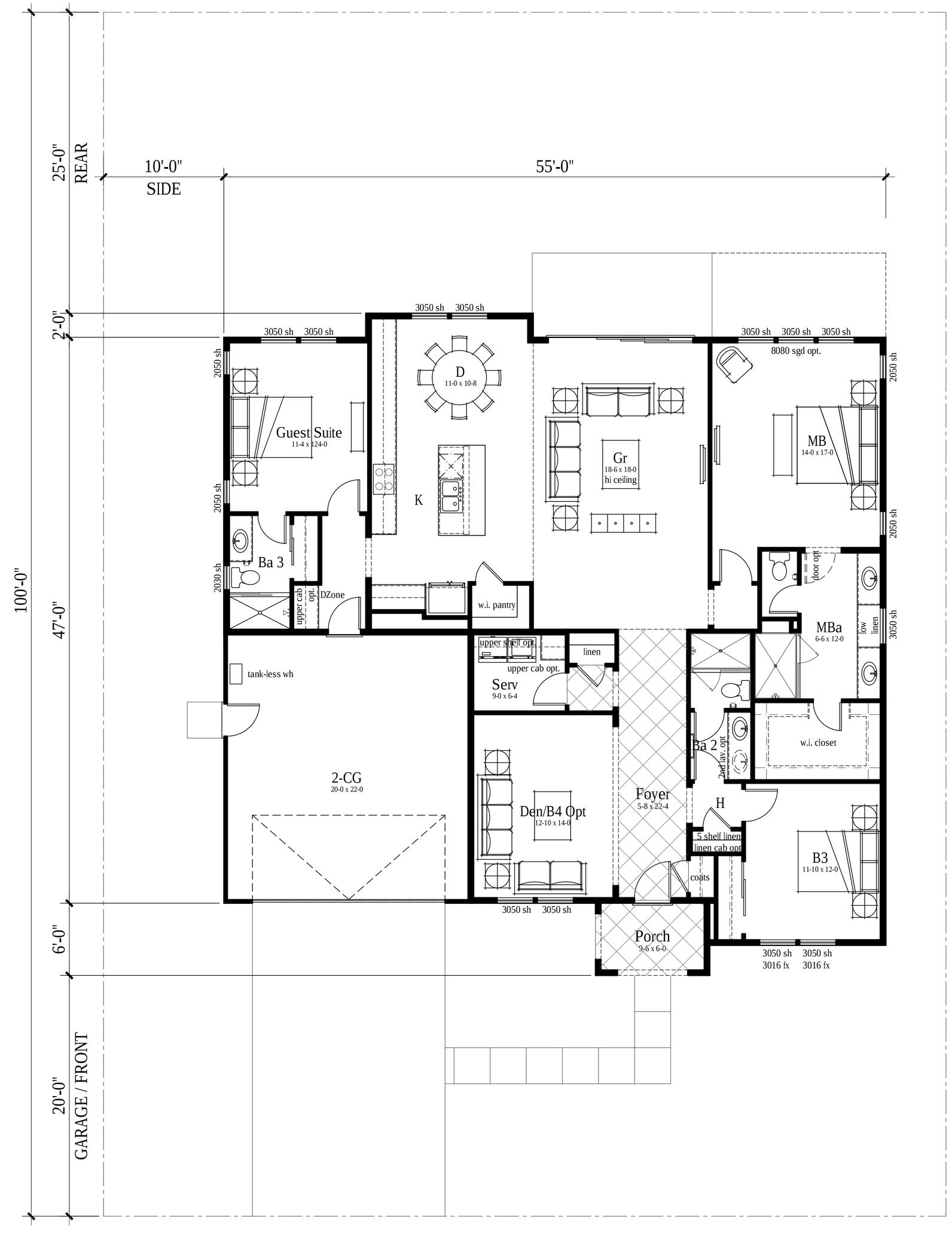
PLAN 2 - STYLE 'B' - FLOOR PLAN

A2-11



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PLAN 2 - STYLE 'C' - FLOOR PLAN

A2-12

PLAN 2A

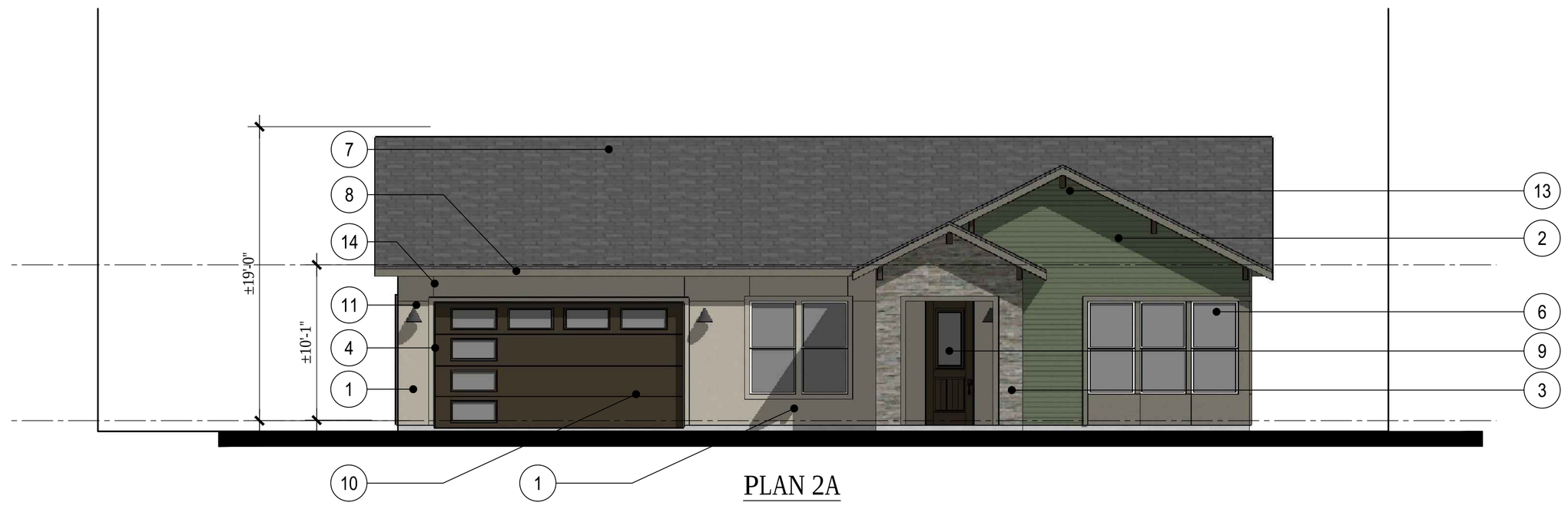
CONTEMPORARY RANCH

PLAN 2B

MODERN PRAIRIE

PLAN 2C

MID-CENTURY MODERN

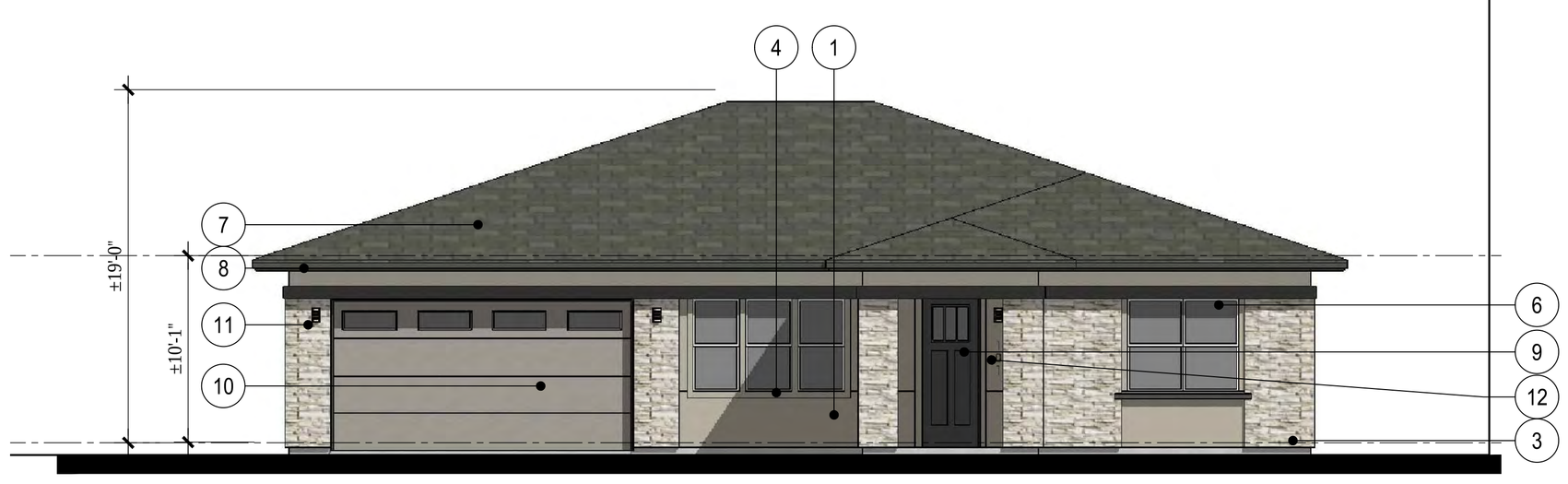


PLAN 2A

CONTEMPORARY RANCH

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
11. Exterior Light Fixture
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco



PLAN 2B

MODERN PRAIRIE

PLAN 2C

MID-CENTURY MODERN

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0 4' 8' 12'

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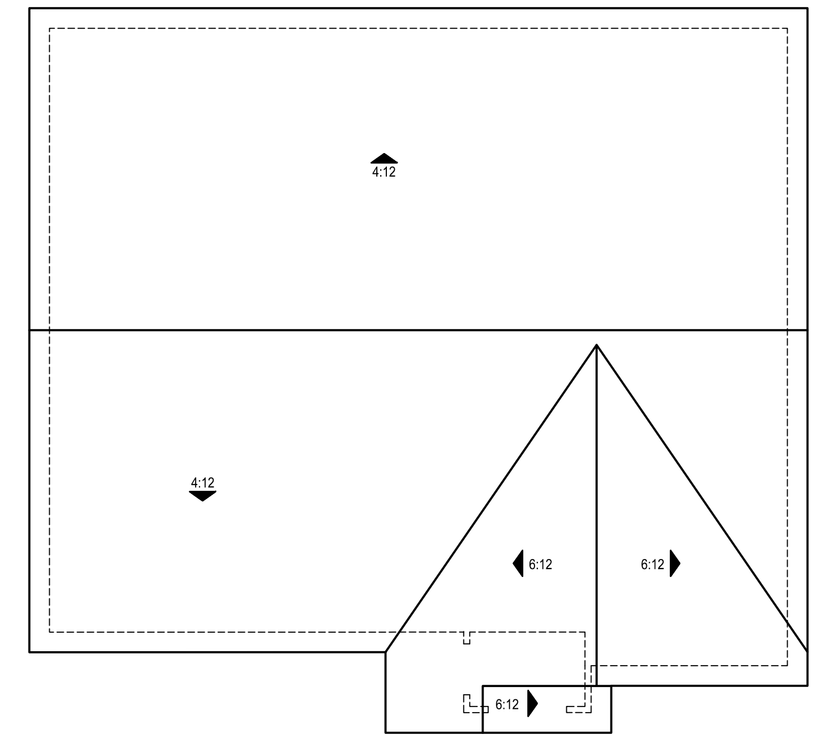
PLAN 2 - FRONT ELEVATIONS

A2-21

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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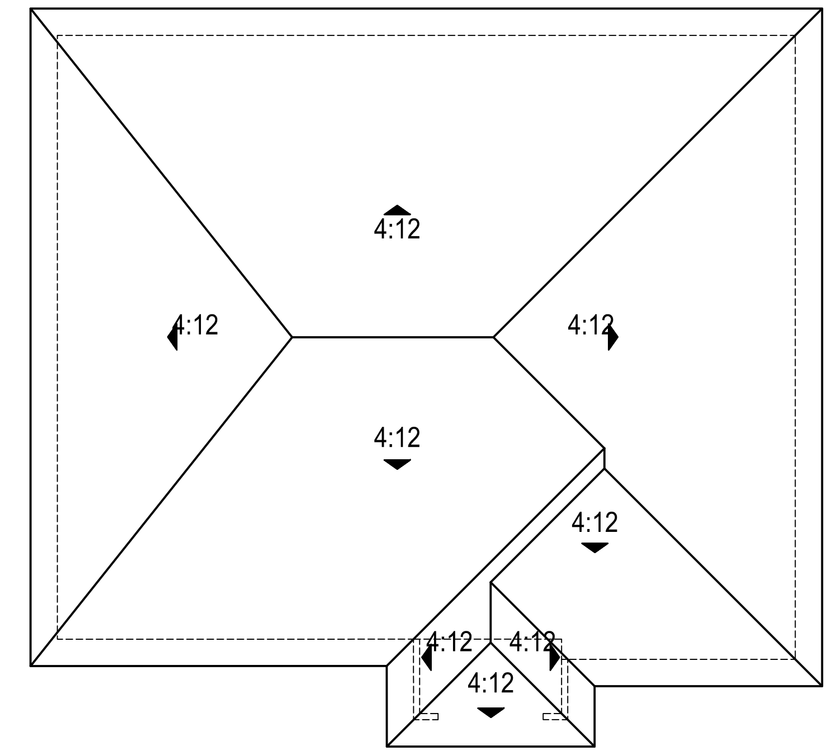
PLAN 2 - STYLE 'A' - EXT. EL. & ROOF PLAN

A2-22

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

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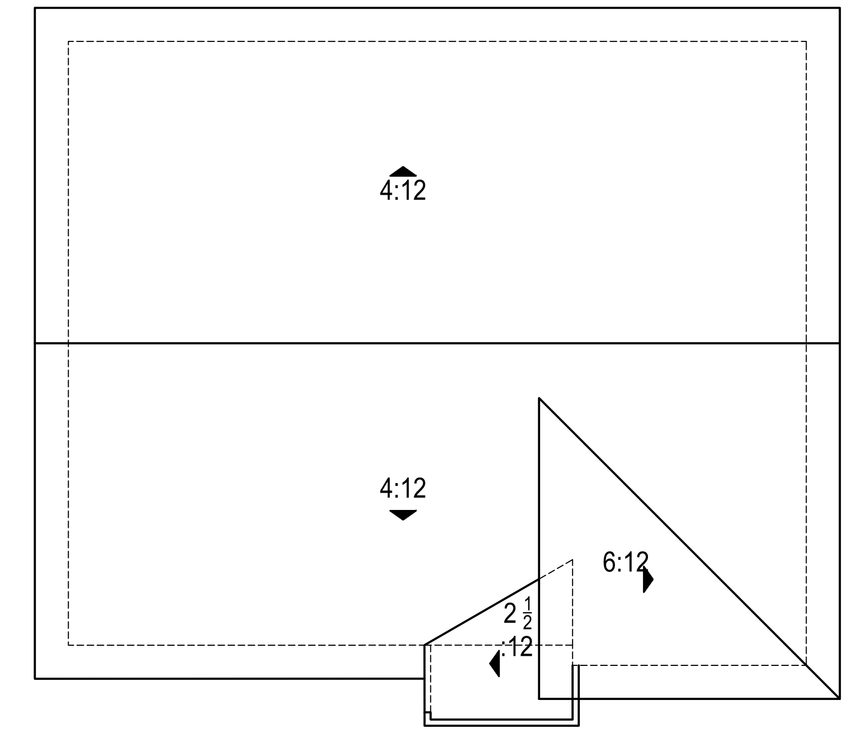
PLAN 2 - STYLE 'B' - EXT. EL. & ROOF PLAN

A2-23

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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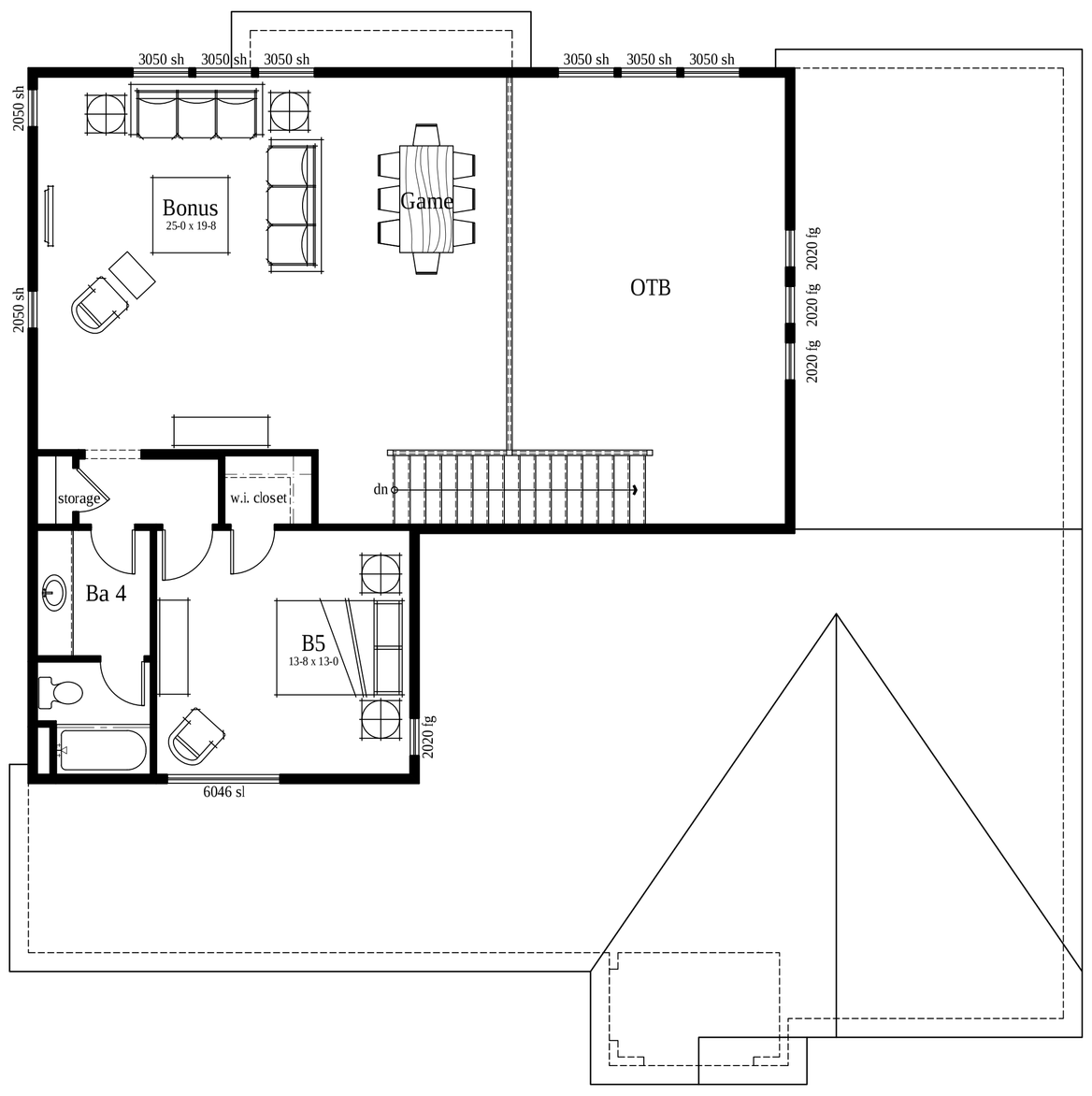
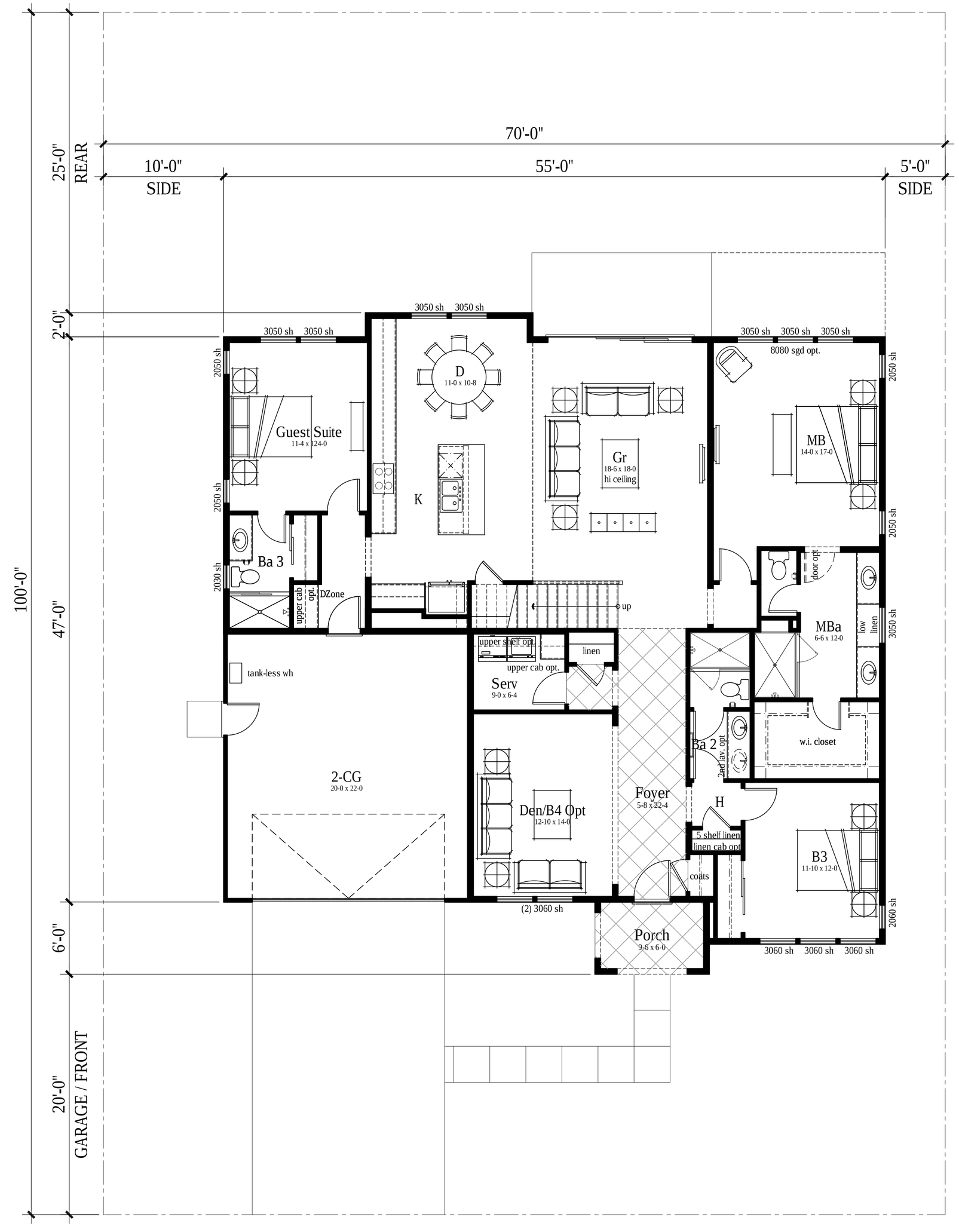
PLAN 2 - STYLE 'C' - EXT. EL. & ROOF PLAN

A2-24





SQUARE FOOTAGE SUMMARY	
PLAN 2X	
FIRST FLOOR	2,213 S.F.
SECOND FLOOR	899 S.F.
TOTAL	3,112 S.F.
TOTAL LOT COVERAGE	2,722 S.F.
PORCH	57 S.F.
2-CAR GARAGE	452 S.F.
2ND FLOOR DECK OPT.	-162 S.F.

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0 4' 8' 12'

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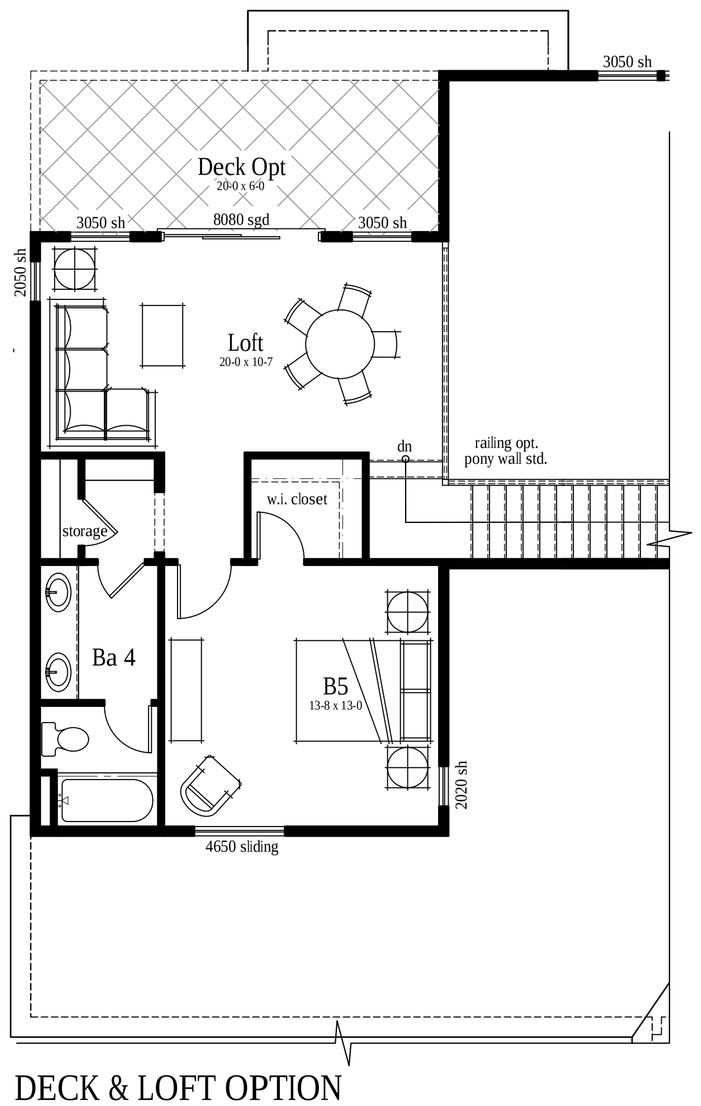
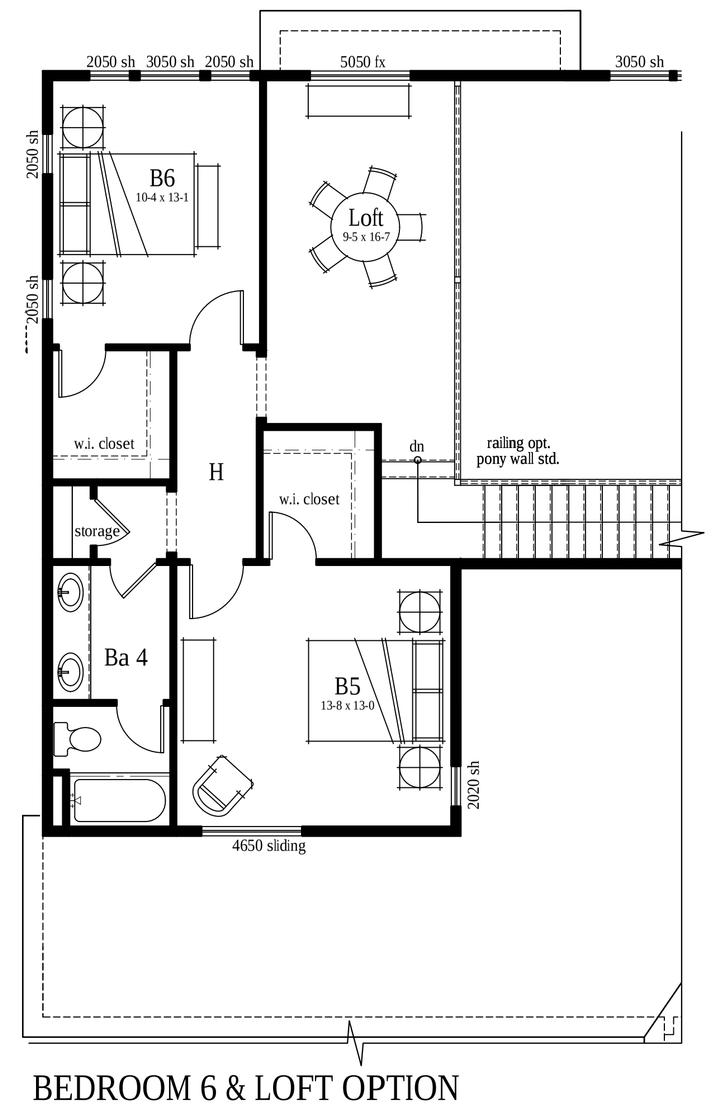
PLAN 2X - STYLE 'A' - FIRST AND SECOND FLOOR PLAN

A2X-10



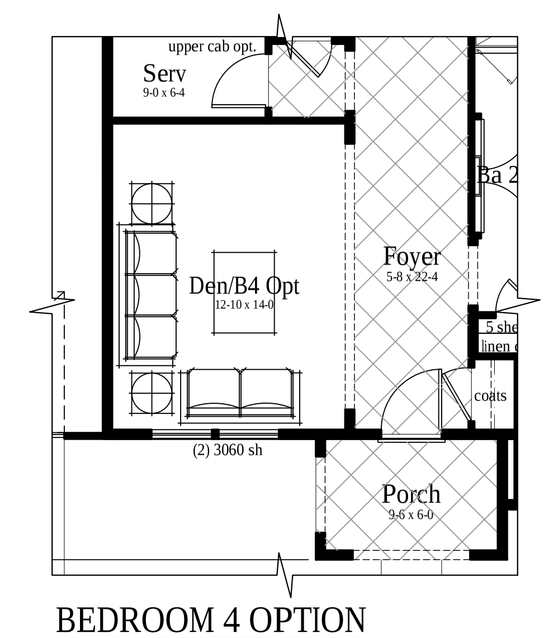
DECK & LOFT OPTION

IN LIEU OF BONUS



BEDROOM 6 & LOFT OPTION

IN LIEU OF BONUS



BEDROOM 4 OPTION

IN LIEU OF DEN

SQUARE FOOTAGE SUMMARY	
PLAN 2X	
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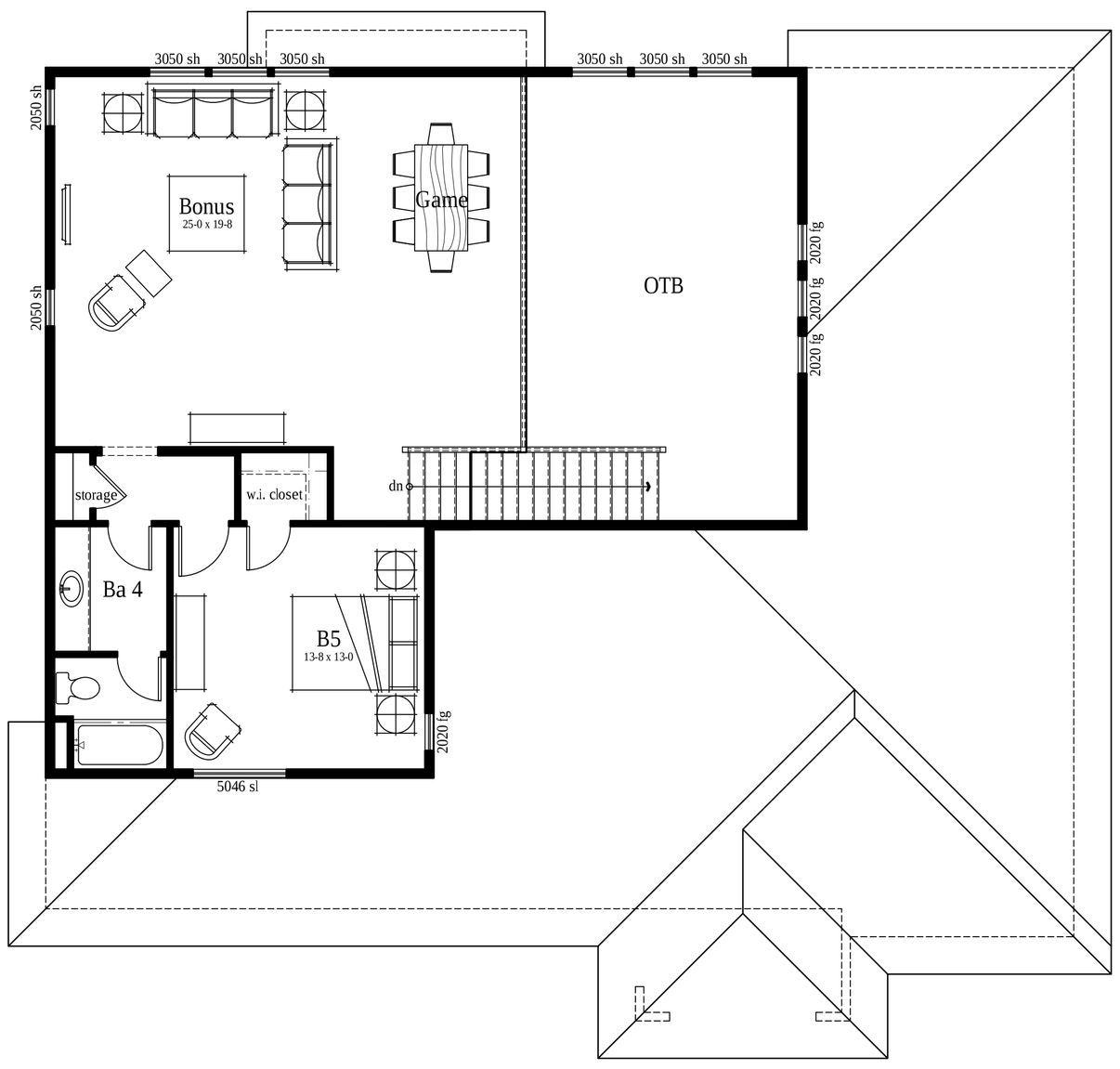
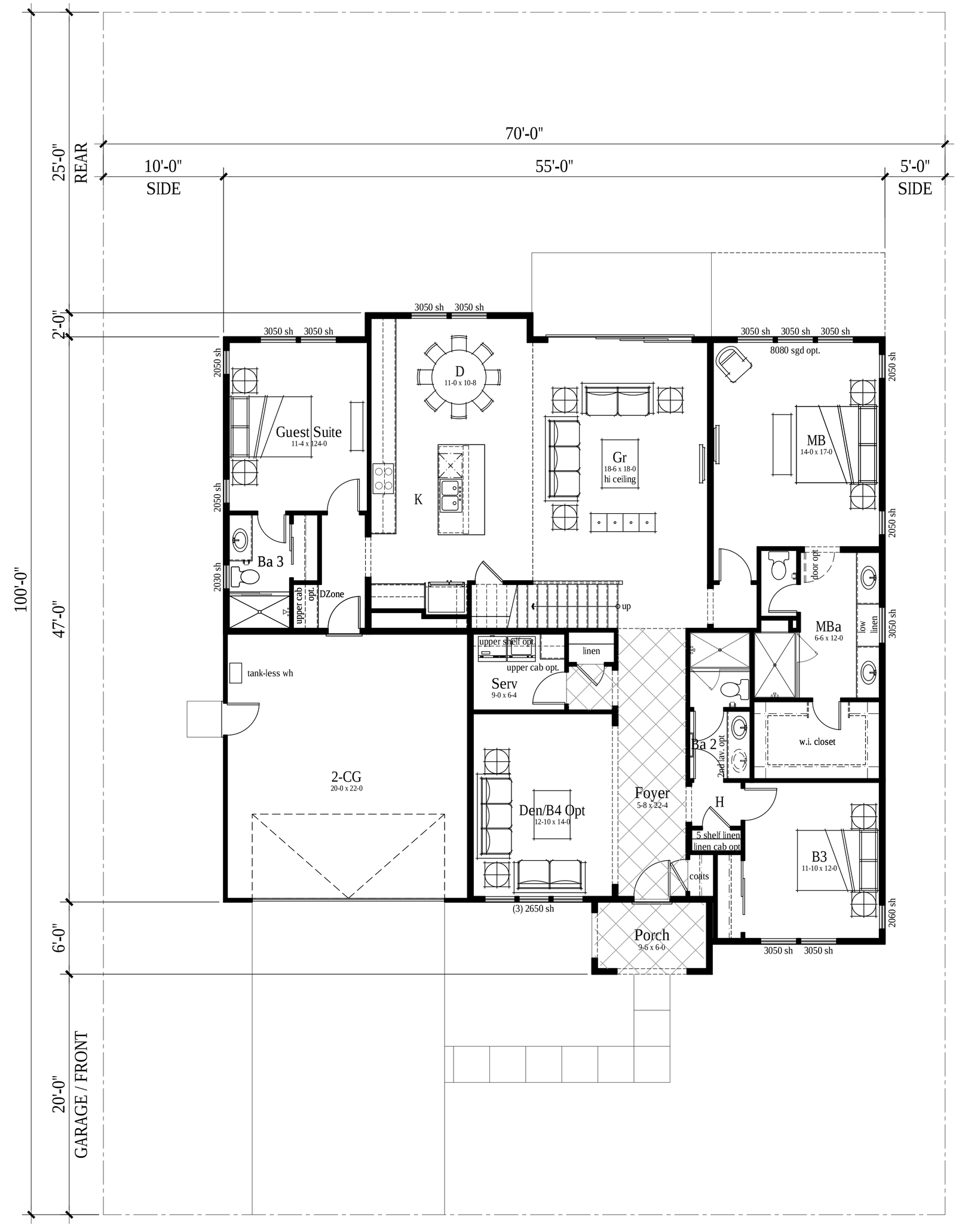
PLAN 2X - FLOOR PLAN OPTIONS

A2X-11





SQUARE FOOTAGE SUMMARY	
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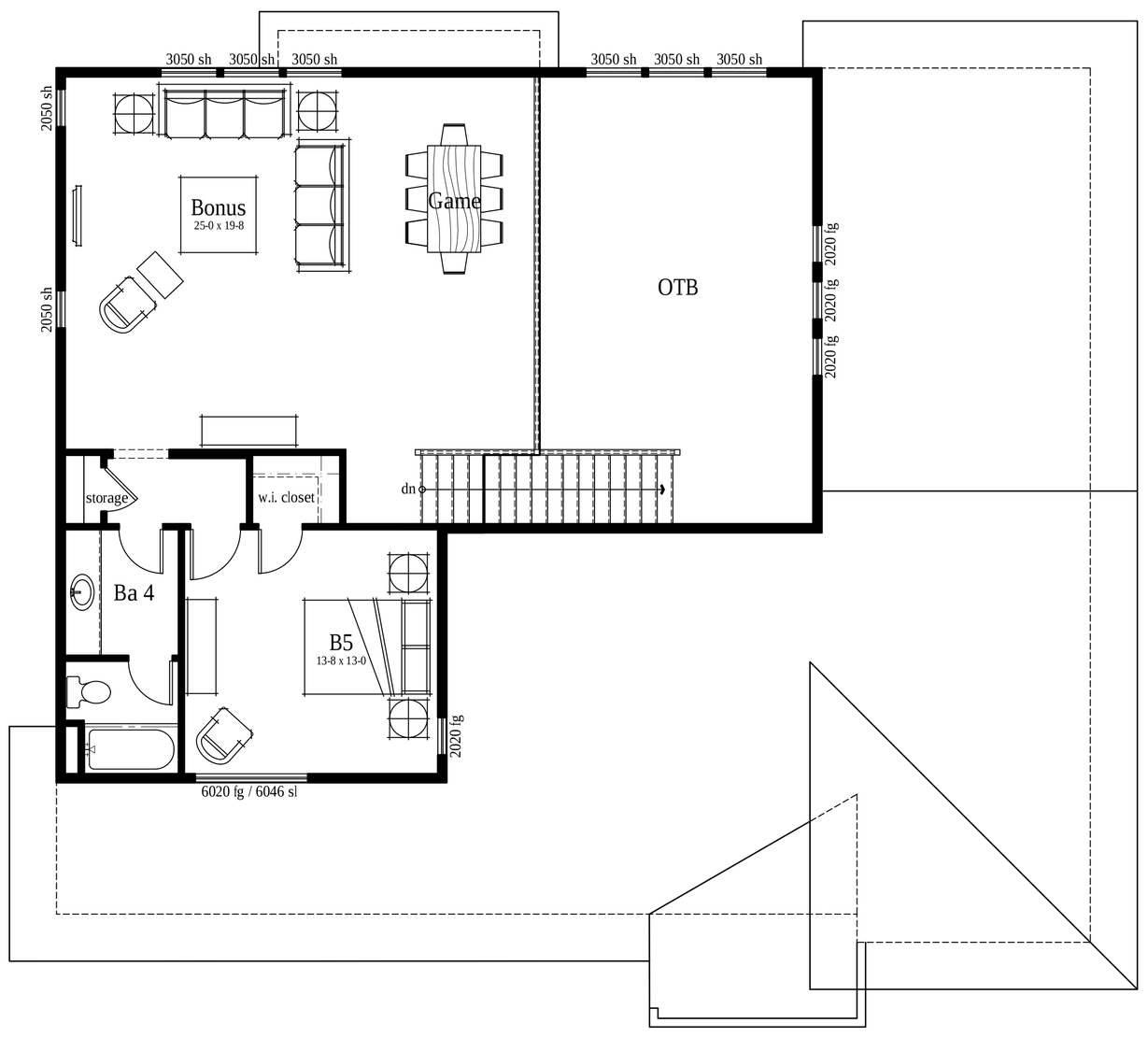
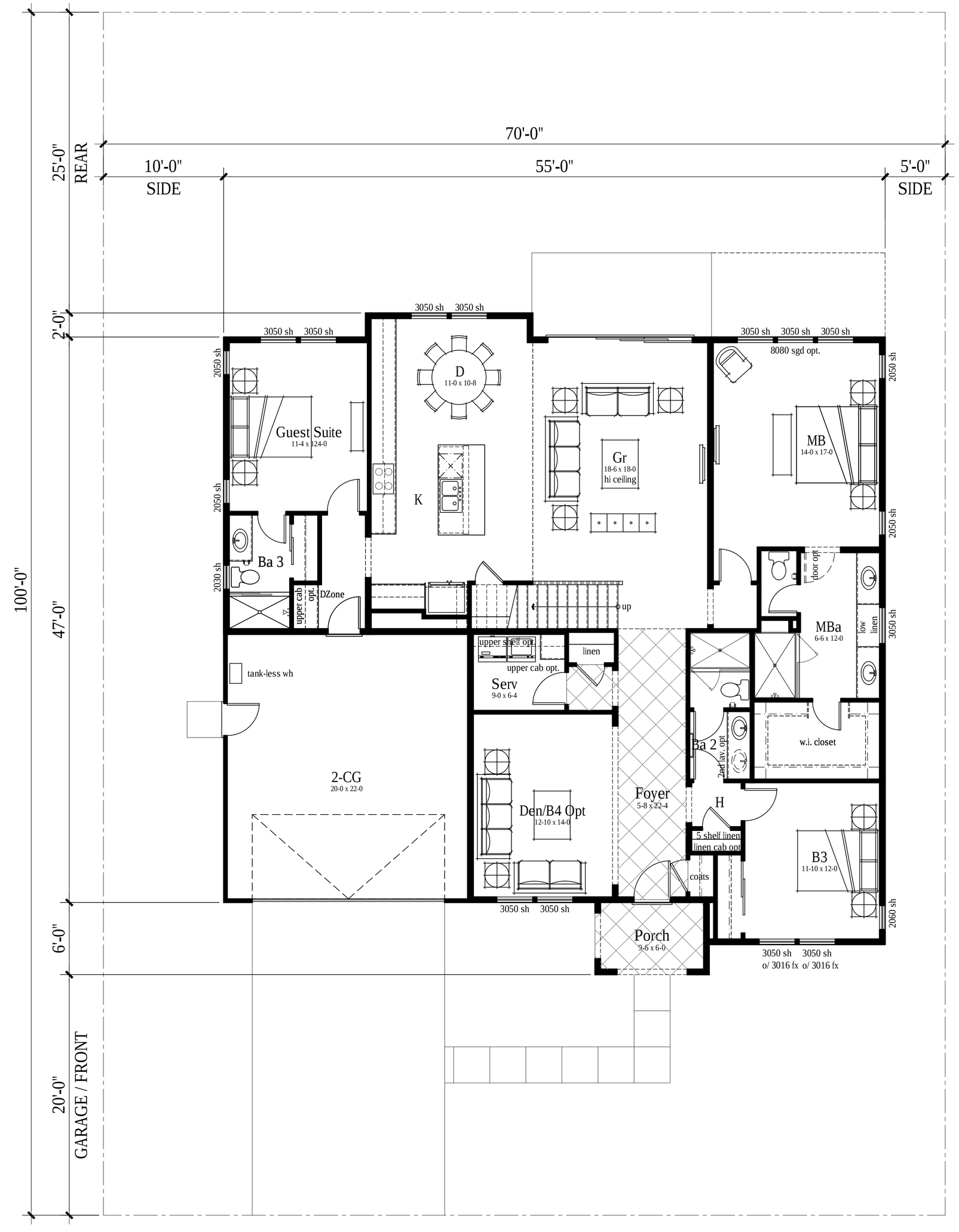
PLAN 2X - STYLE 'B' - FIRST AND SECOND FLOOR PLAN

A2X-12



Second Floor Plan 2X



SQUARE FOOTAGE SUMMARY	
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PLAN 2X - STYLE 'C' -FIRST AND SECOND FLOOR PLAN

A2X-13

PLAN 2XA

CONTEMPORARY RANCH

PLAN 2XB

MODERN PRAIRIE

PLAN 2XC

MID-CENTURY MODERN

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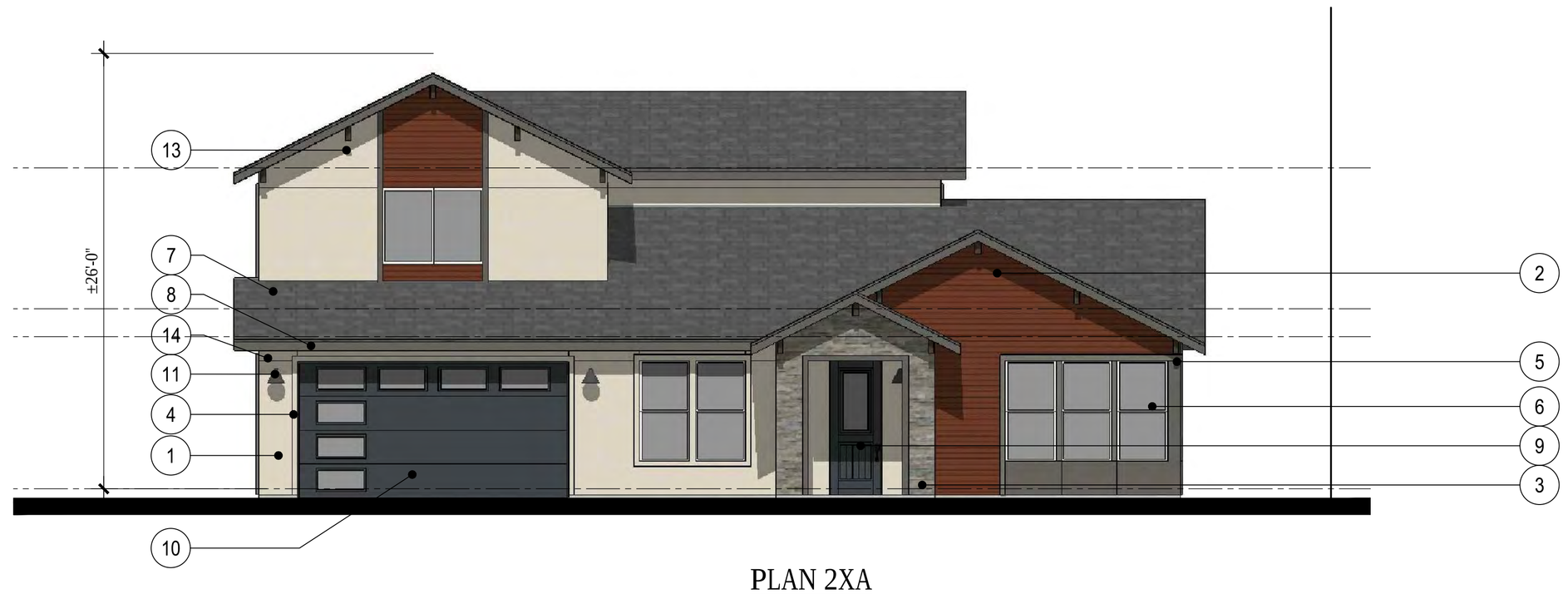
PLAN 2X - PERSPECTIVES

A2X-20



PLAN 2XA

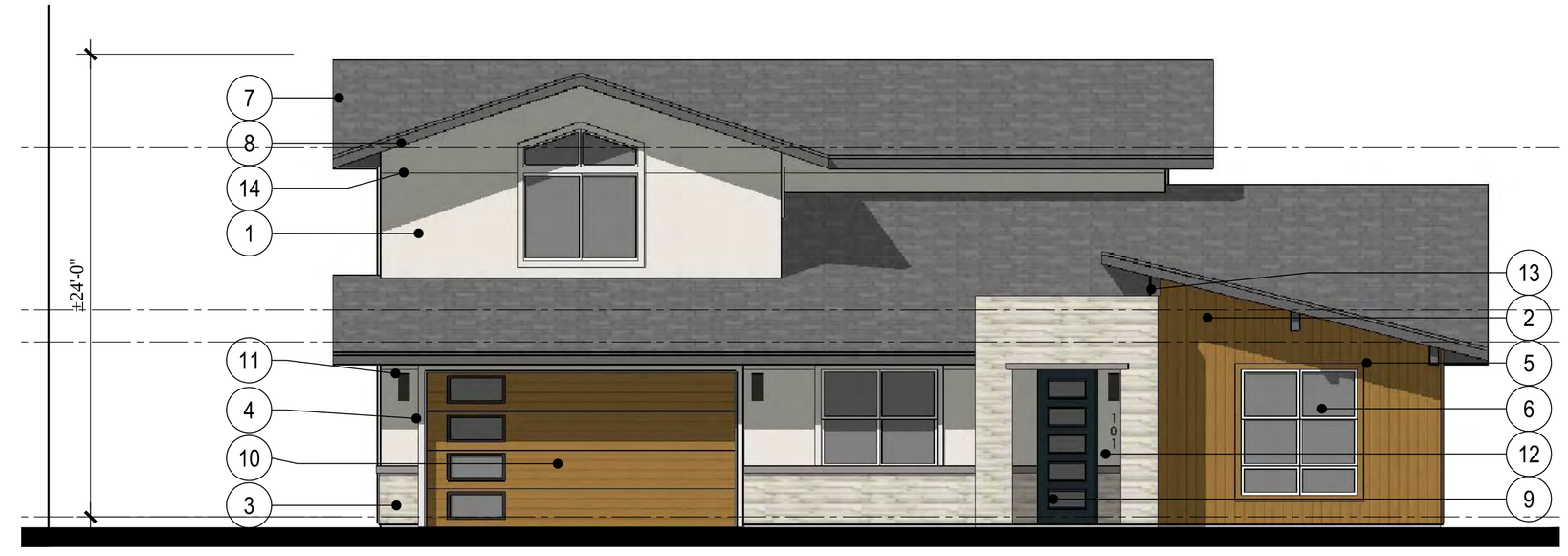
CONTEMPORARY RANCH

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
11. Exterior Light Fixture
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco

PLAN 2XB

MODERN PRAIRIE



PLAN 2XC

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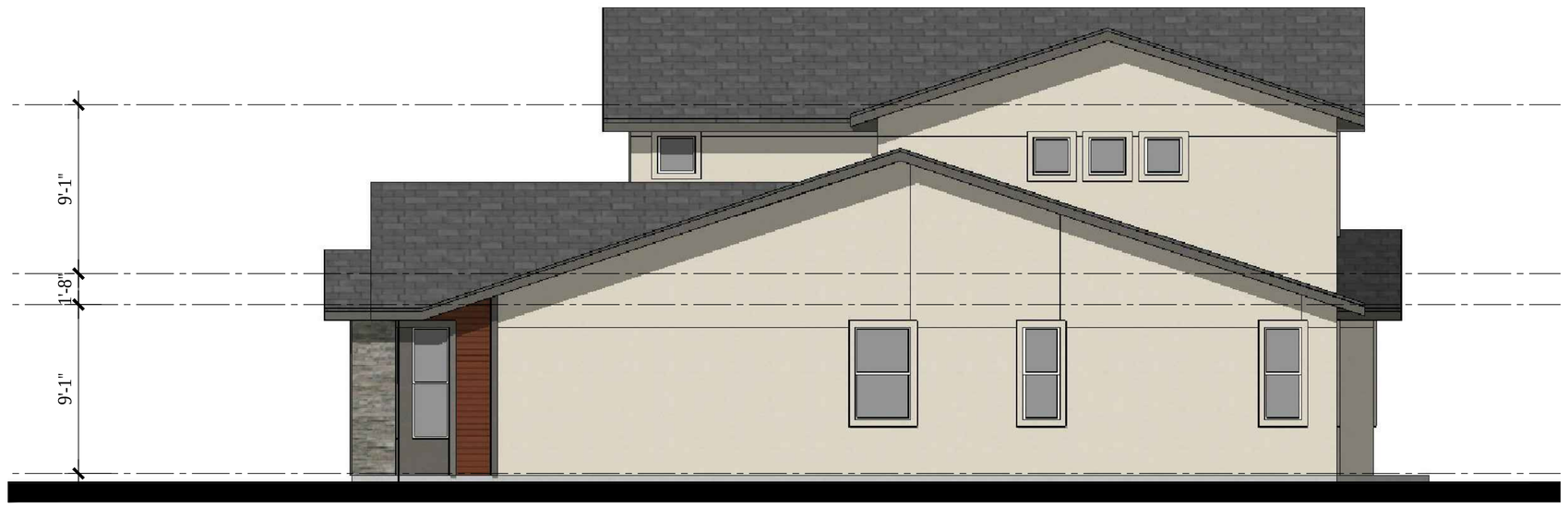
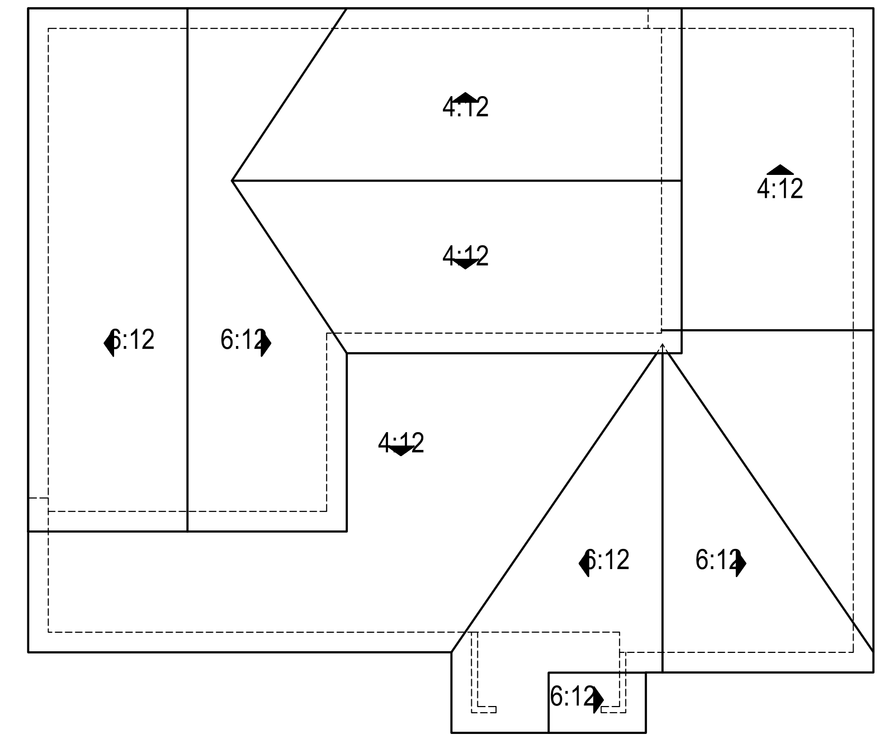
PLAN 2X - FRONT ELEVATIONS

A2X-21



RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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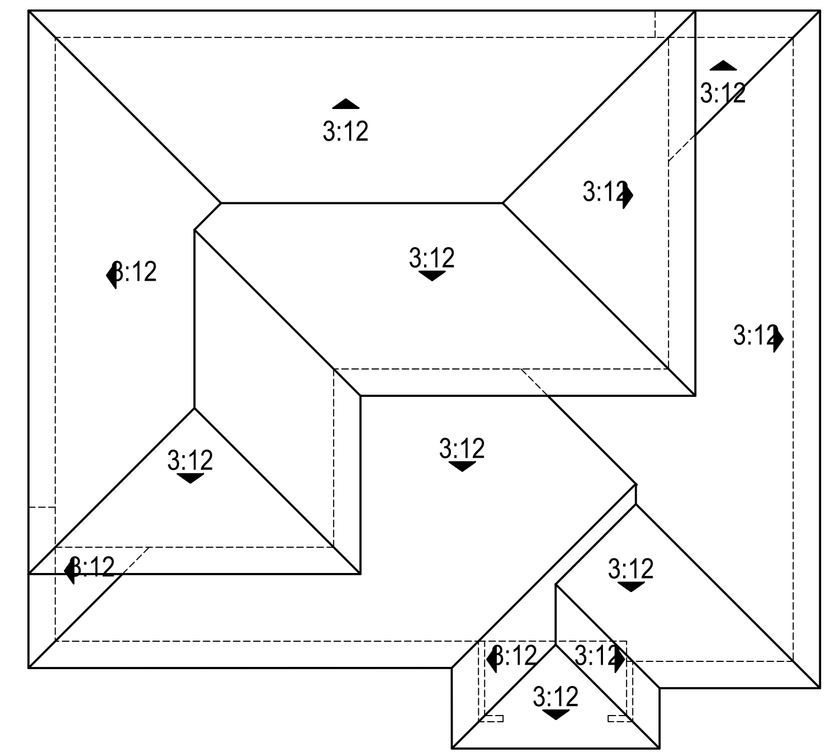
PLAN 2X - STYLE 'A' - EXT. EL. & ROOF PLAN

A2X-22

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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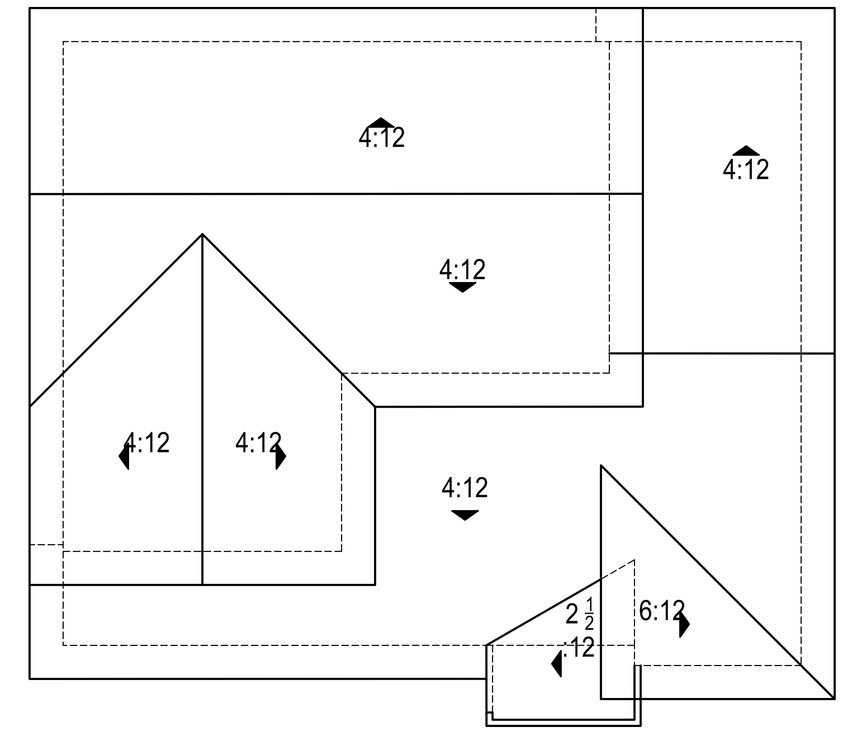
PLAN 2X - STYLE 'B' - EXT. EL. & ROOF PLAN

A2X-23

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

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PLAN 2X - STYLE 'C' - EXT. EL. & ROOF PLAN

A2X-24

STYLE C

STYLE B

STYLE A

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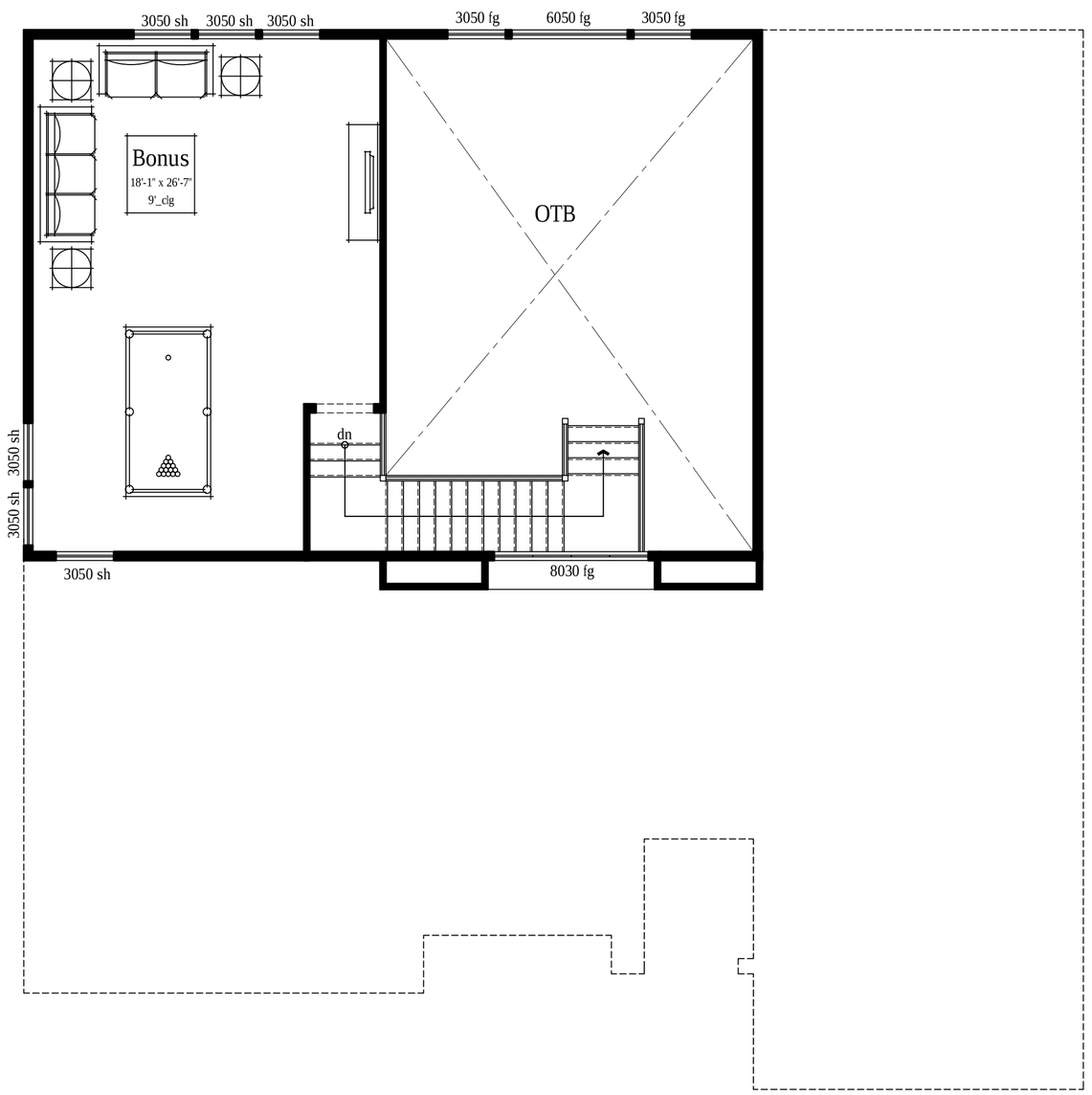
DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

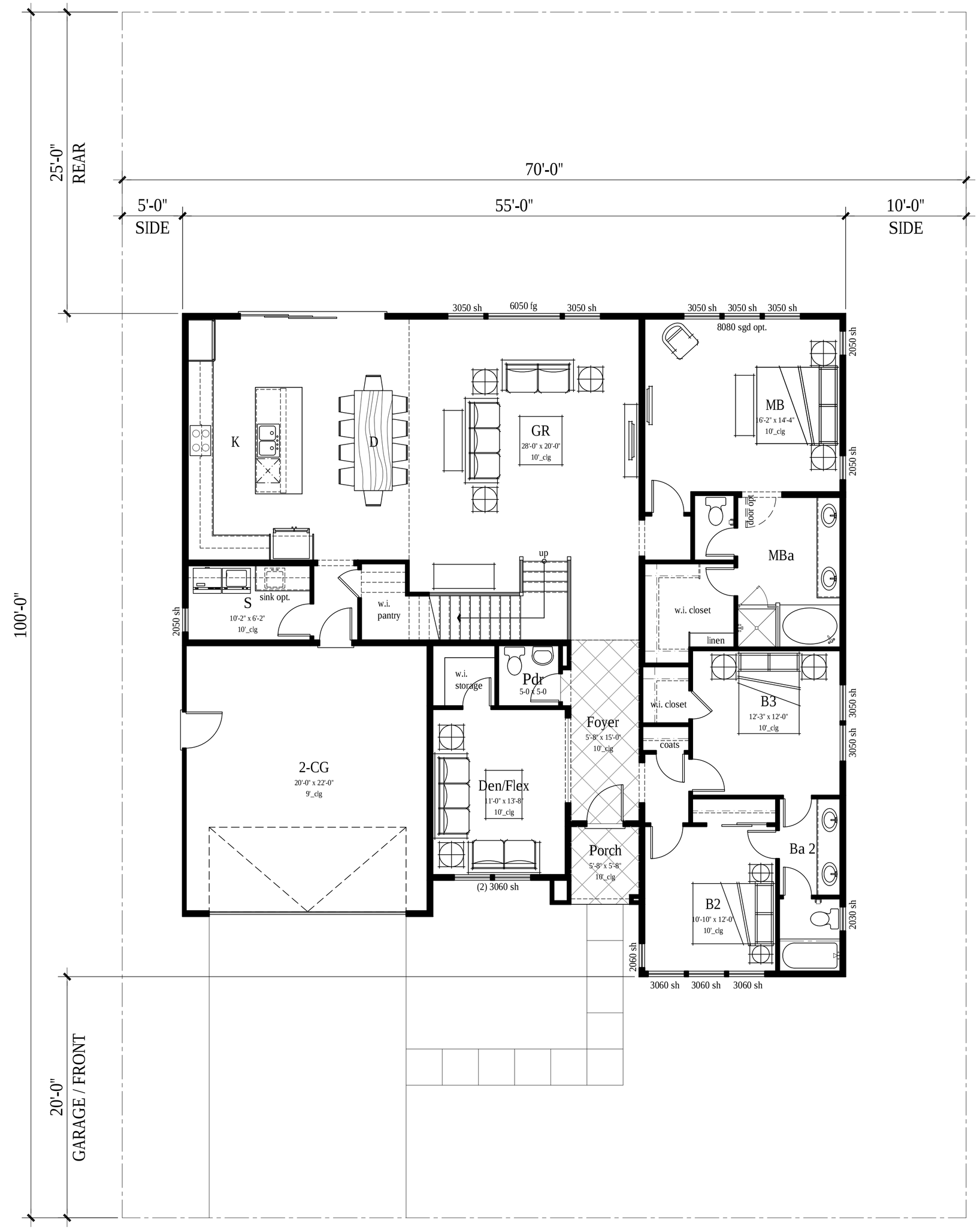
0 8' 16' 24'

PLANNING SUBMITTAL
05/01/2020

PLAN 2X - OPTIONAL DECK

A2X-25





SQUARE FOOTAGE SUMMARY	
PLAN 3	
FIRST FLOOR	2,302 S.F.
SECOND FLOOR	518 S.F.
TOTAL	2,820 S.F.
TOTAL LOT COVERAGE	2,796 S.F.
PORCH	37 S.F.
2-CAR GARAGE	457 S.F.

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0 4' 8' 12'

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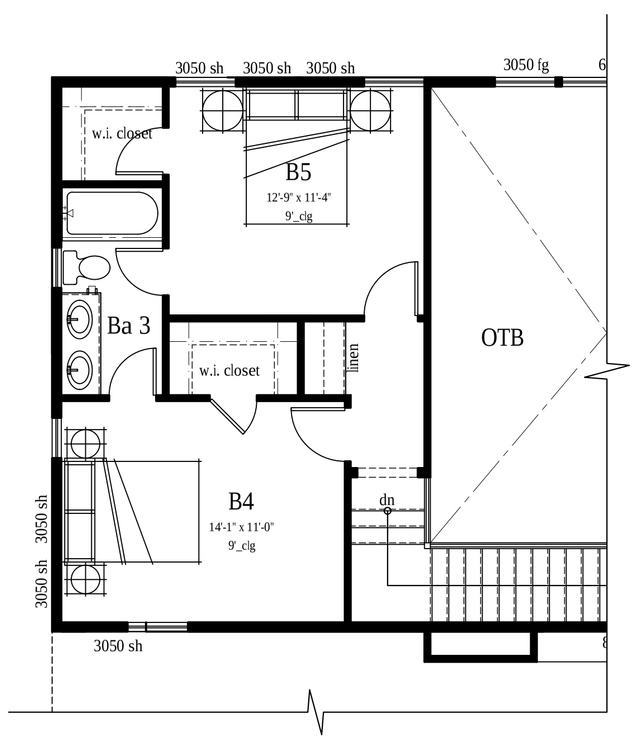
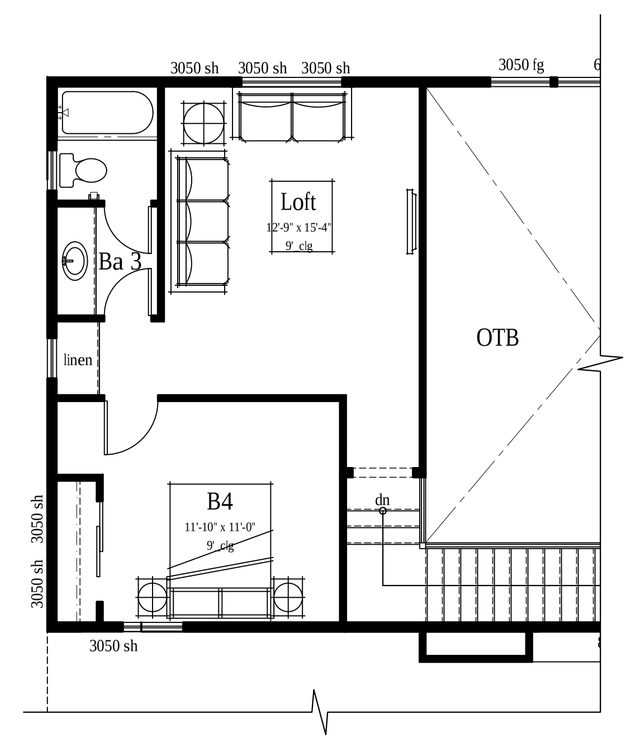
PLAN 3 - STYLE 'A' - FIRST AND SECOND FLOOR PLAN

A3-10



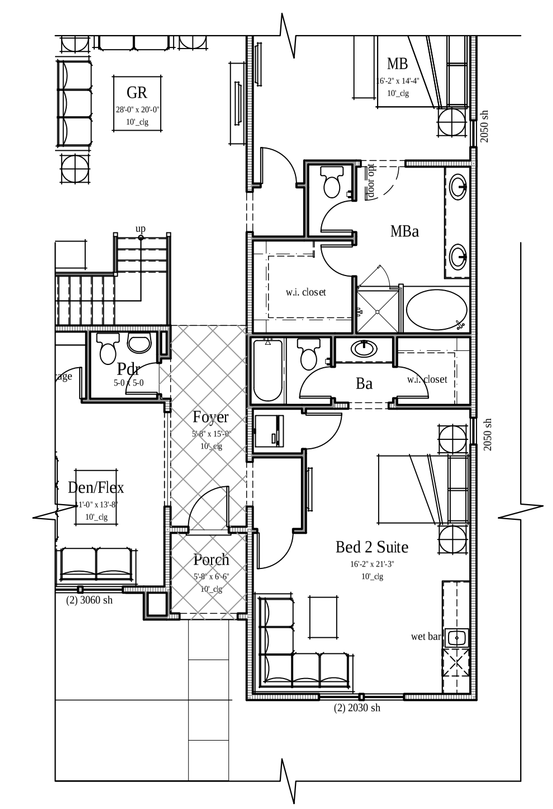
BEDROOMS 4 & 5 OPTION

IN LIEU OF BONUS



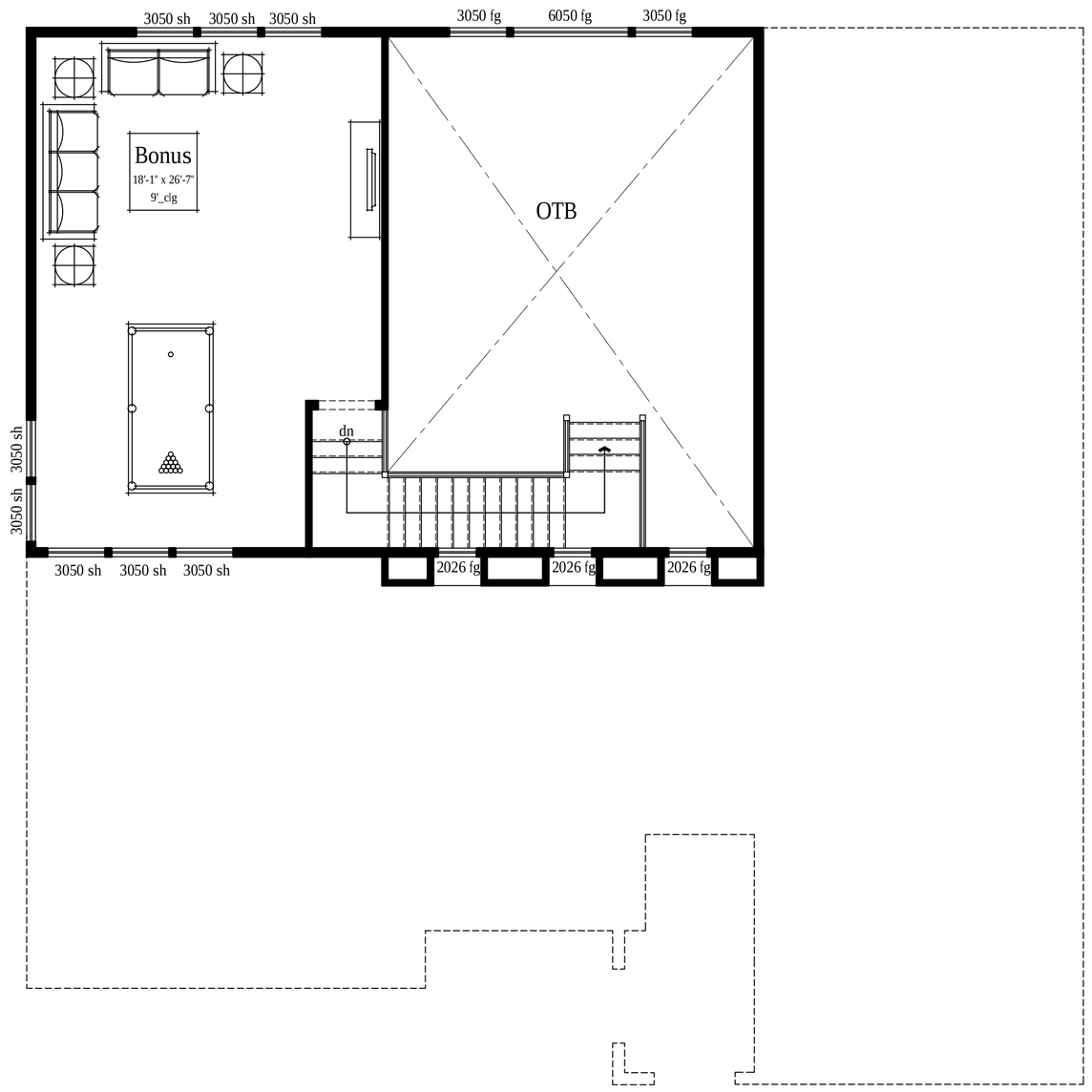
LOFT & BEDROOM 4 OPTION

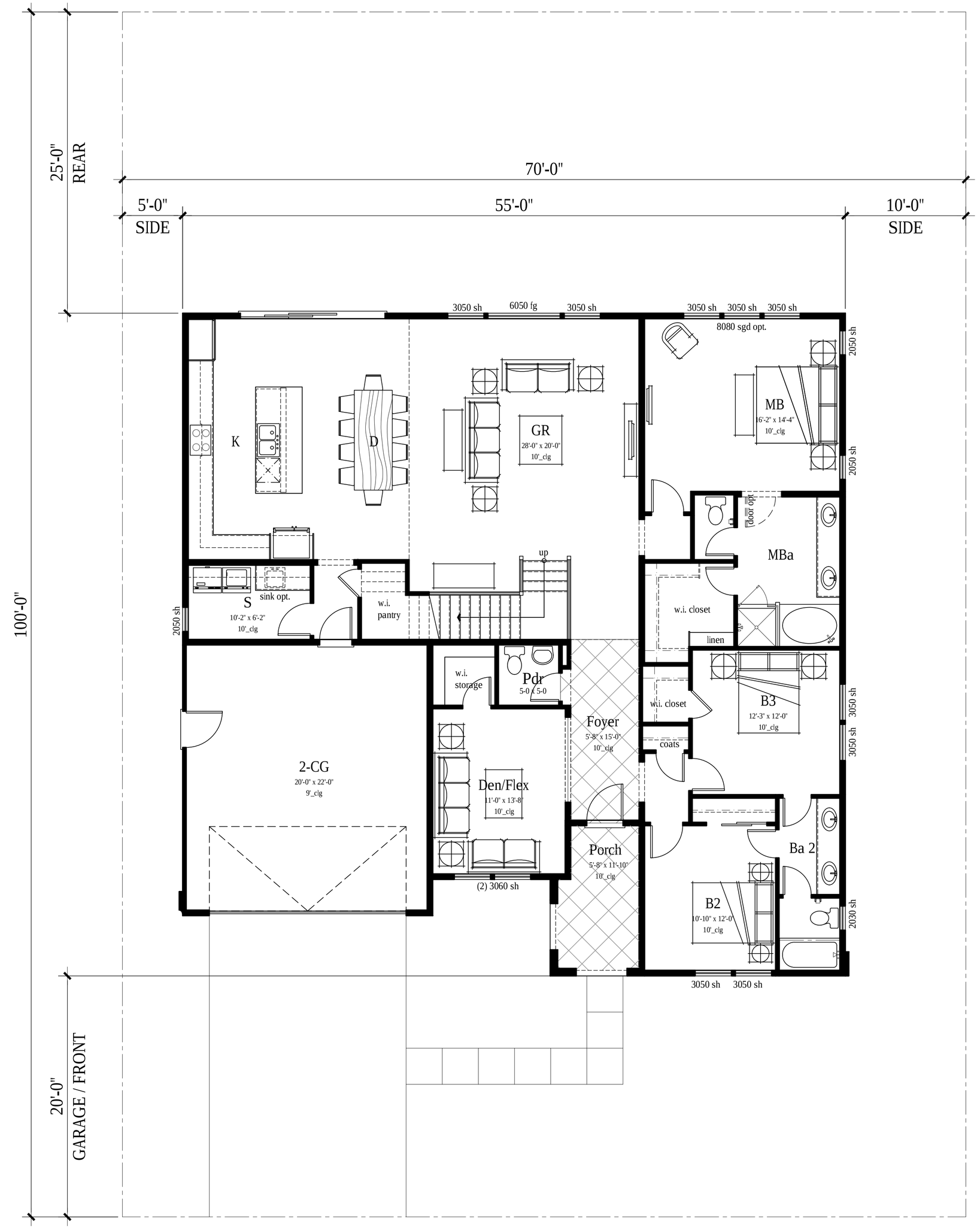
IN LIEU OF BONUS



BEDROOM 2 SUITE OPTION

IN LIEU OF BEDROOMS 2 & 3





SQUARE FOOTAGE SUMMARY	
PLAN 3	
FIRST FLOOR	2,302 S.F.
SECOND FLOOR	518 S.F.
TOTAL	2,820 S.F.
TOTAL LOT COVERAGE	2,843 S.F.
PORCH	84 S.F.
2-CAR GARAGE	457 S.F.

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DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 4' 8' 12'

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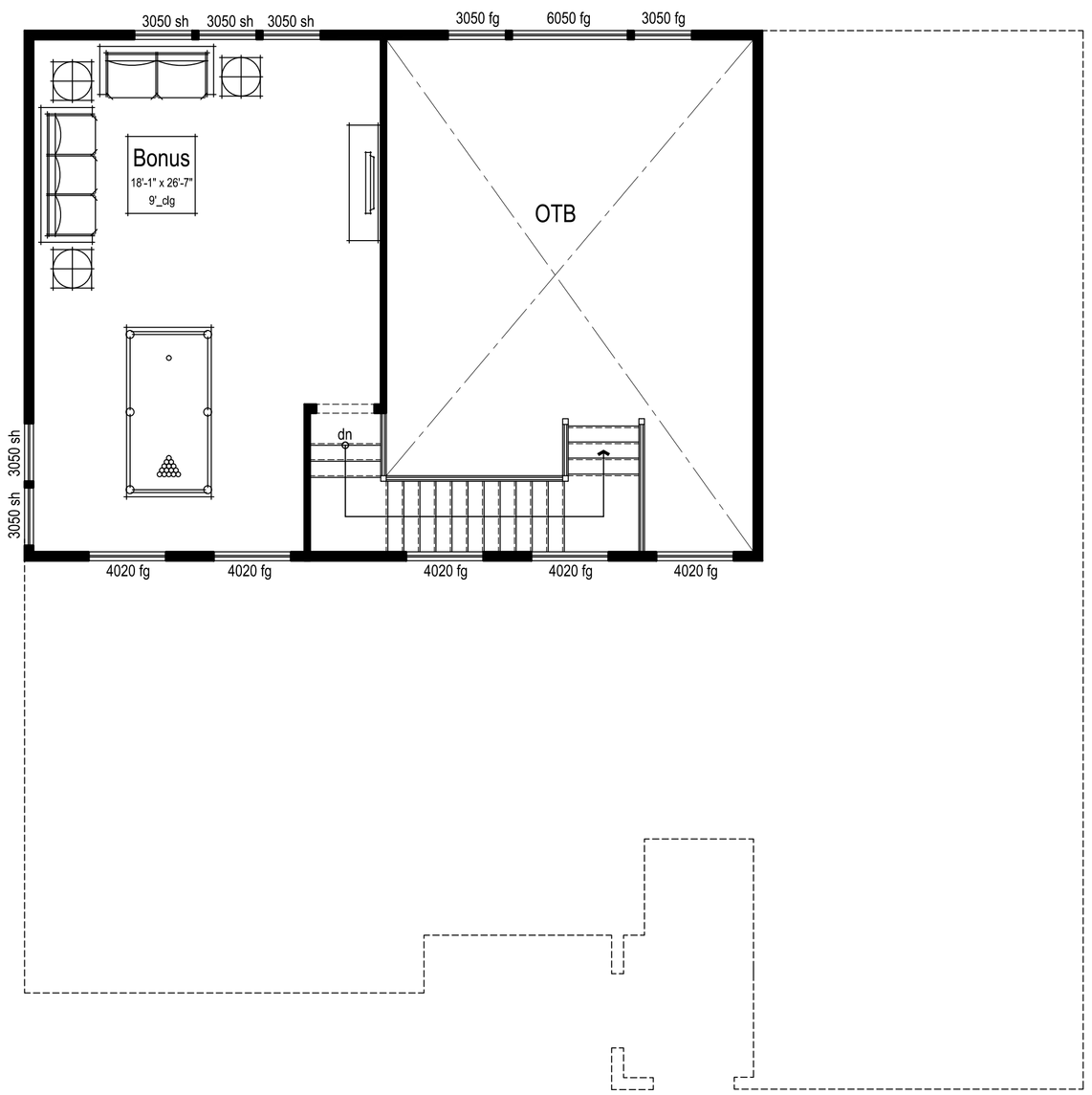
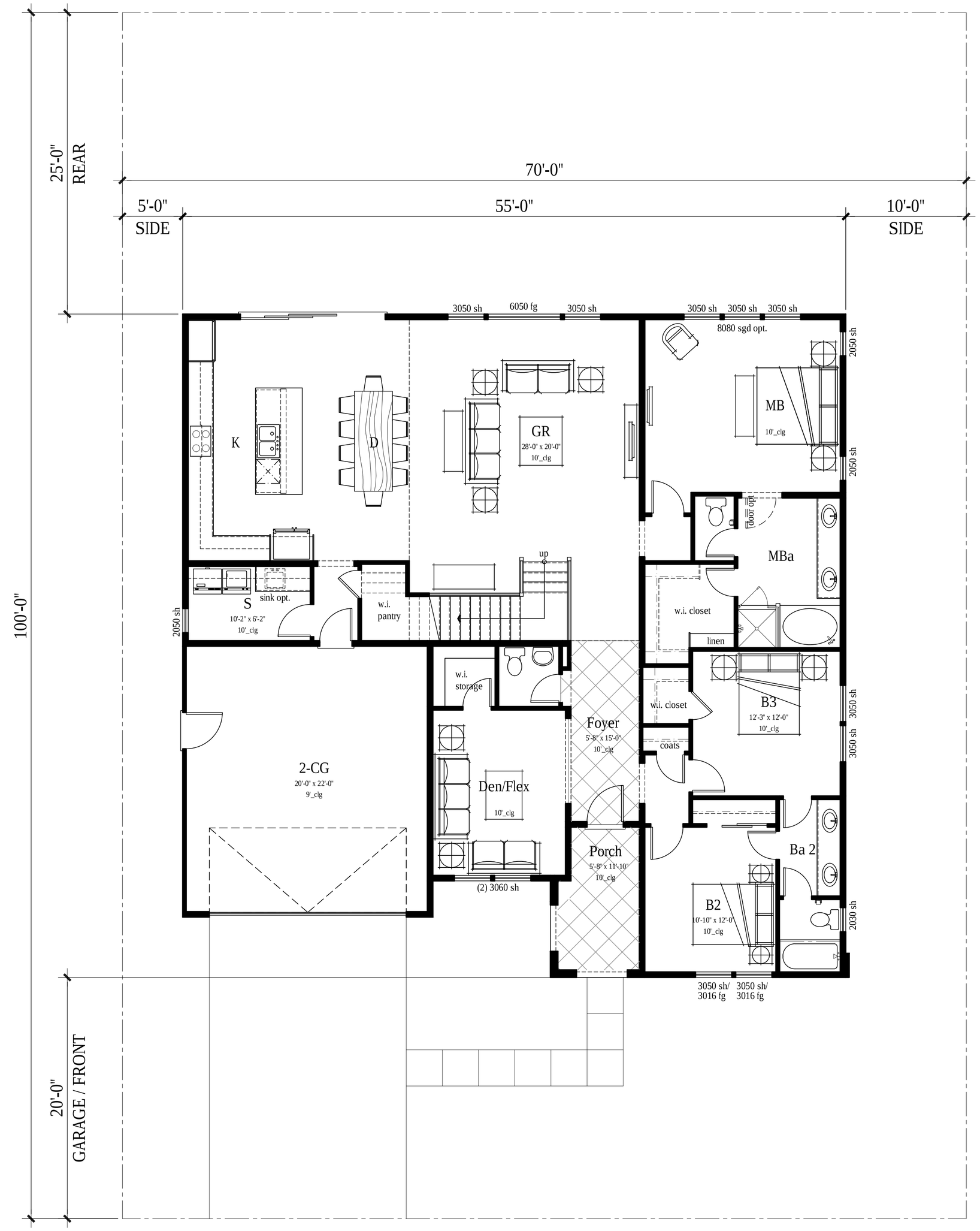
PLAN 3 - STYLE 'B' - FIRST AND SECOND FLOOR PLAN

A3-12





SQUARE FOOTAGE SUMMARY	
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0 4' 8' 12'

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PLAN 3 - STYLE 'C' -FIRST AND SECOND FLOOR PLAN

A3-13

PLAN 3A

CONTEMPORARY RANCH

PLAN 3B

MODERN PRAIRIE

PLAN 3C

MID-CENTURY MODERN

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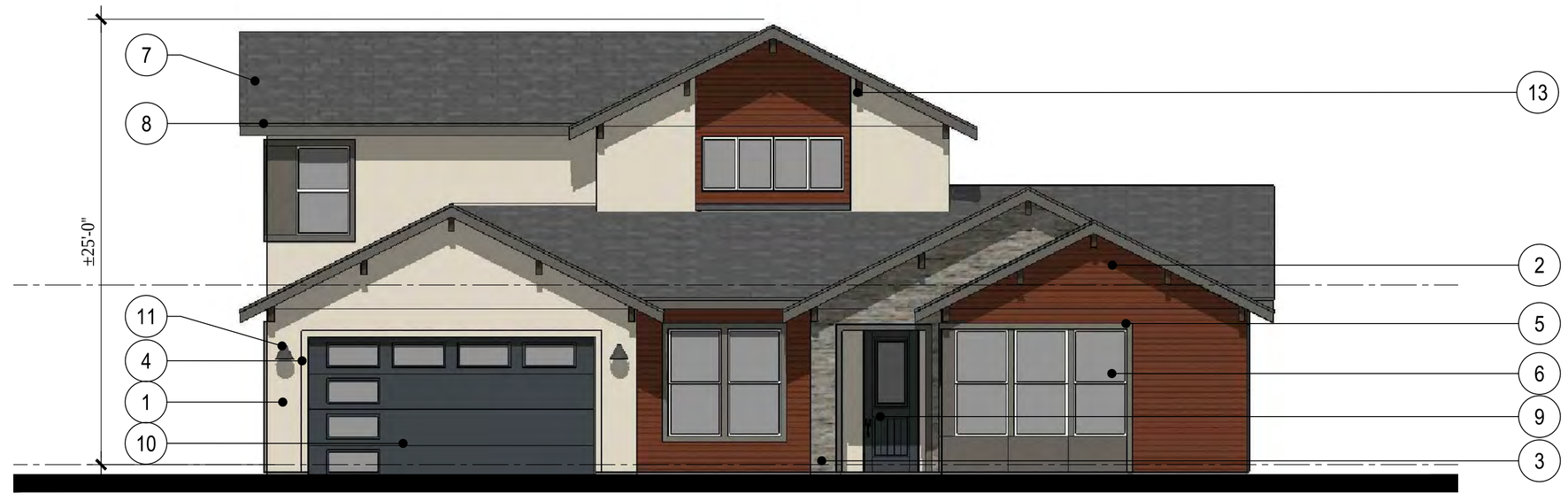
PLAN 3 - PERSPECTIVES

A3-20

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
11. Exterior Light Fixture
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco



PLAN 3A

CONTEMPORARY RANCH

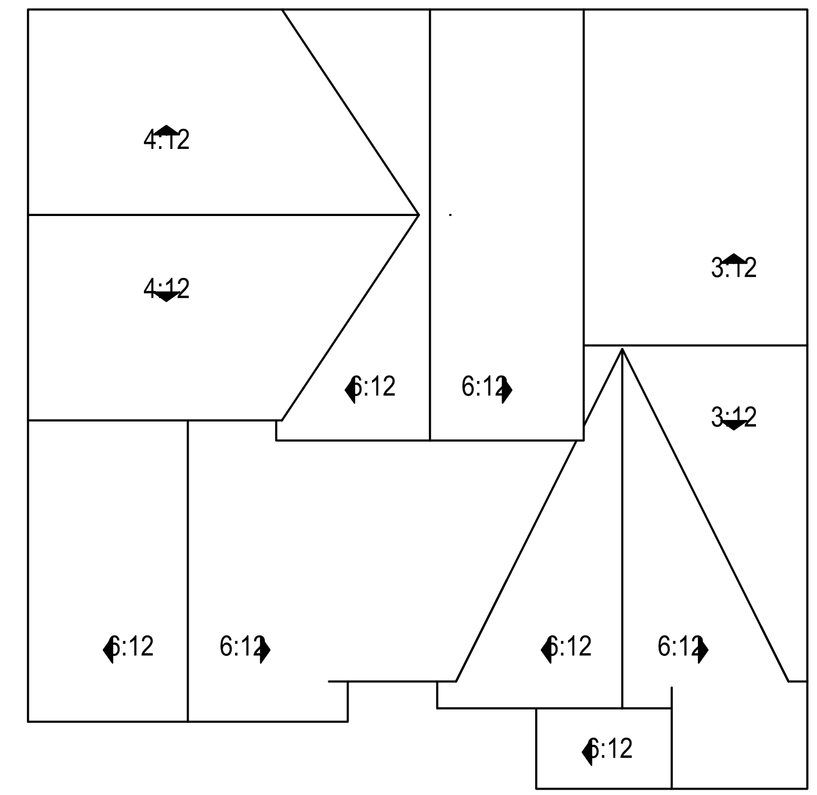
PLAN 3B

MODERN PRAIRIE

PLAN 3C

MID-CENTURY MODERN

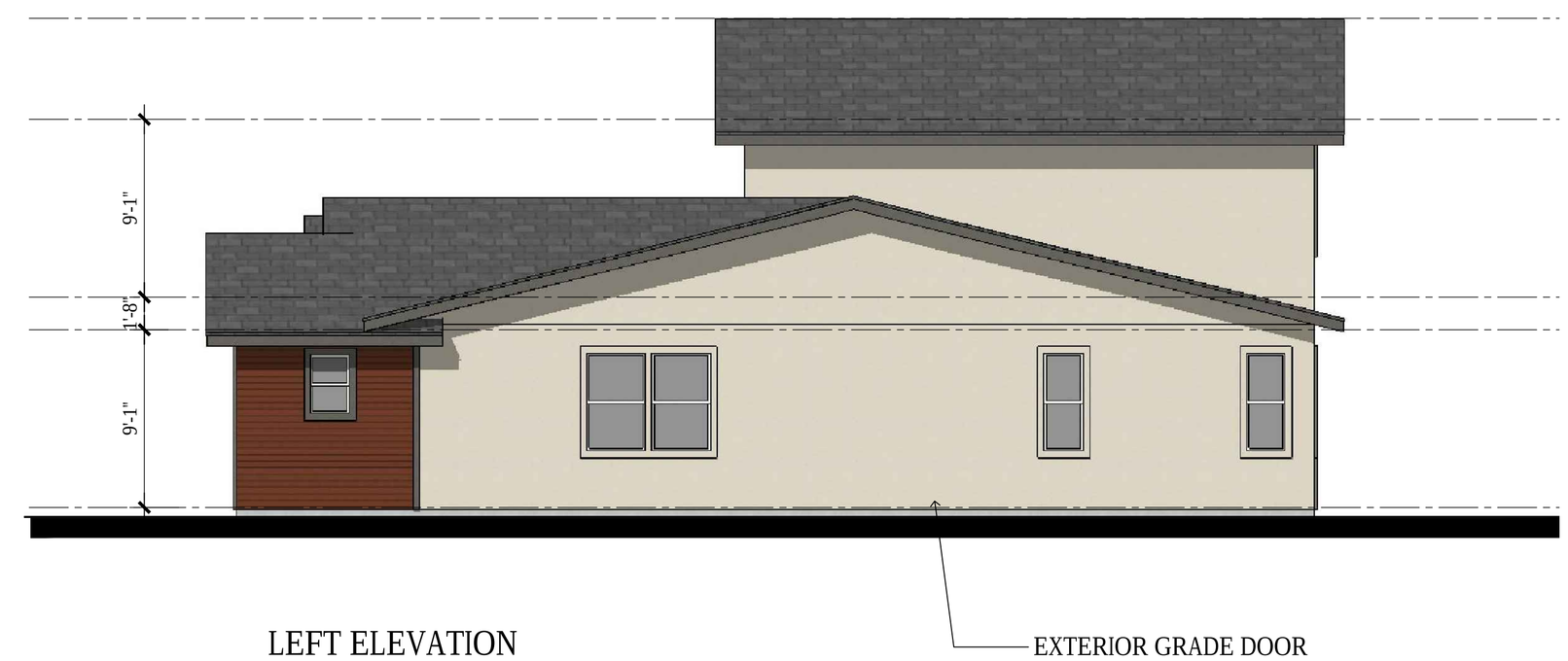
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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DEER VALLEY ESTATES
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0 8' 16' 24'

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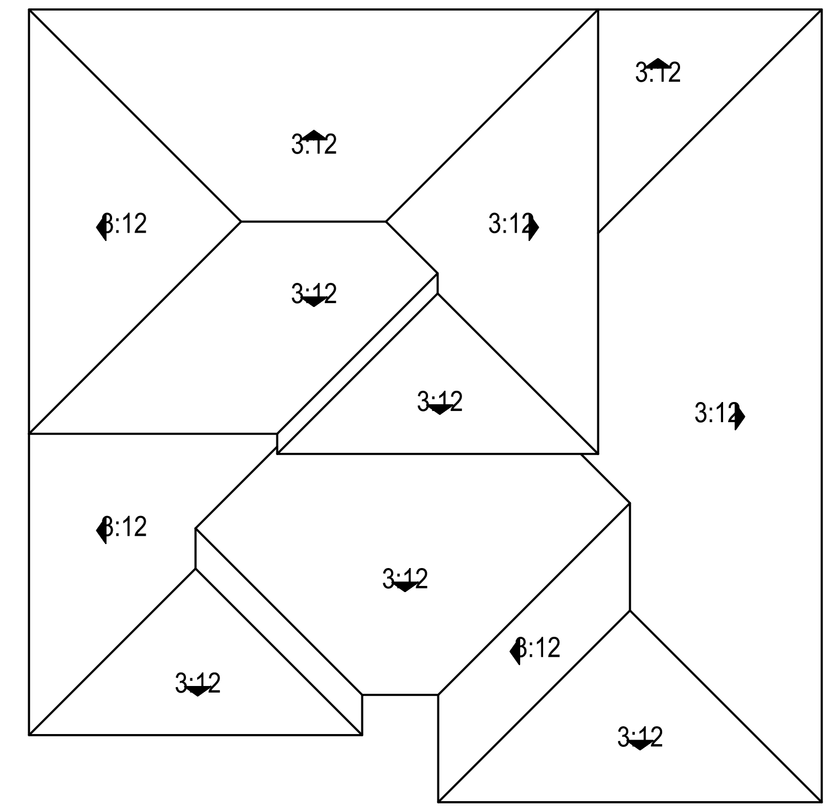
PLAN 3 - STYLE 'A' - EXT. EL. & ROOF PLAN

A3-22

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

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0 8' 16' 24'

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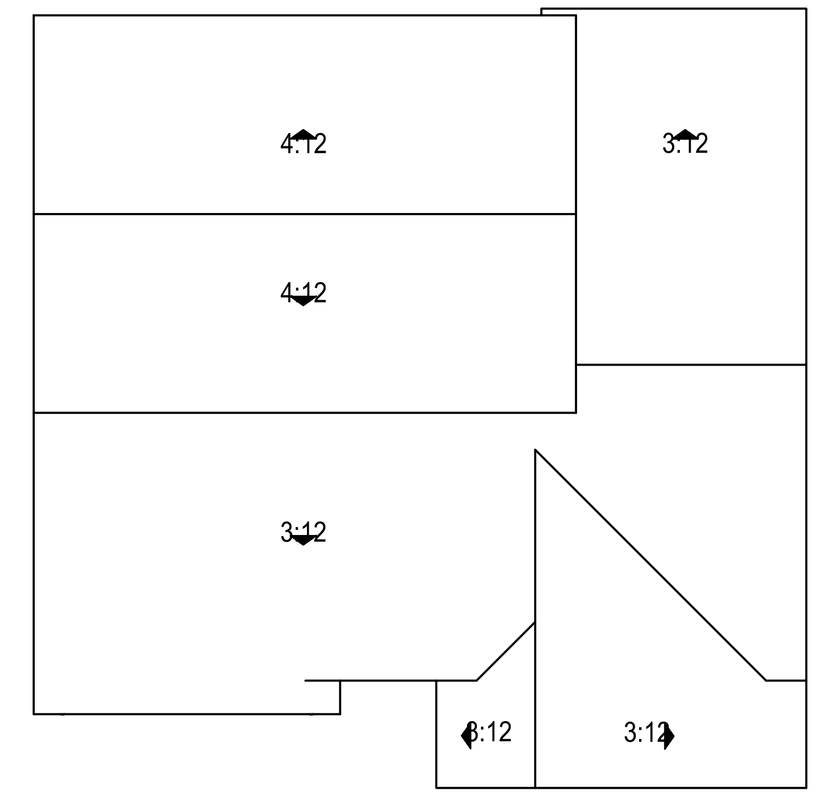
PLAN 3 - STYLE 'B' - EXT. EL. & ROOF PLAN

A3-23

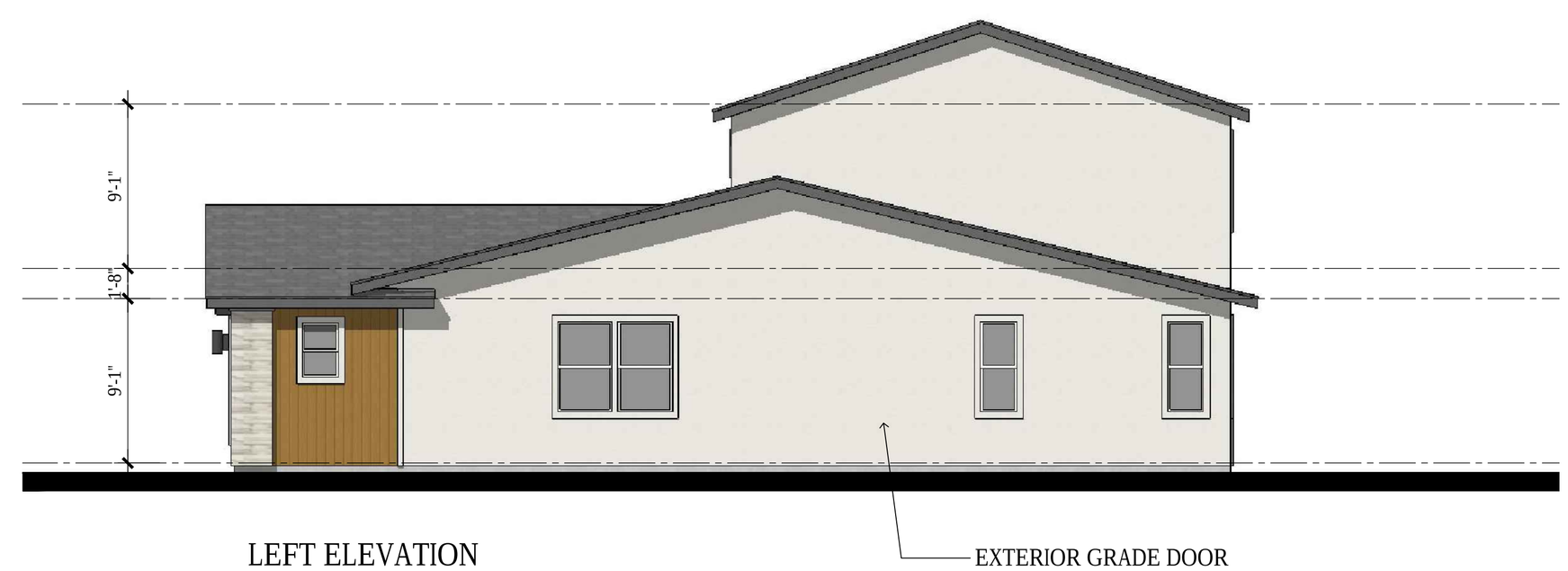
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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0 8' 16' 24'

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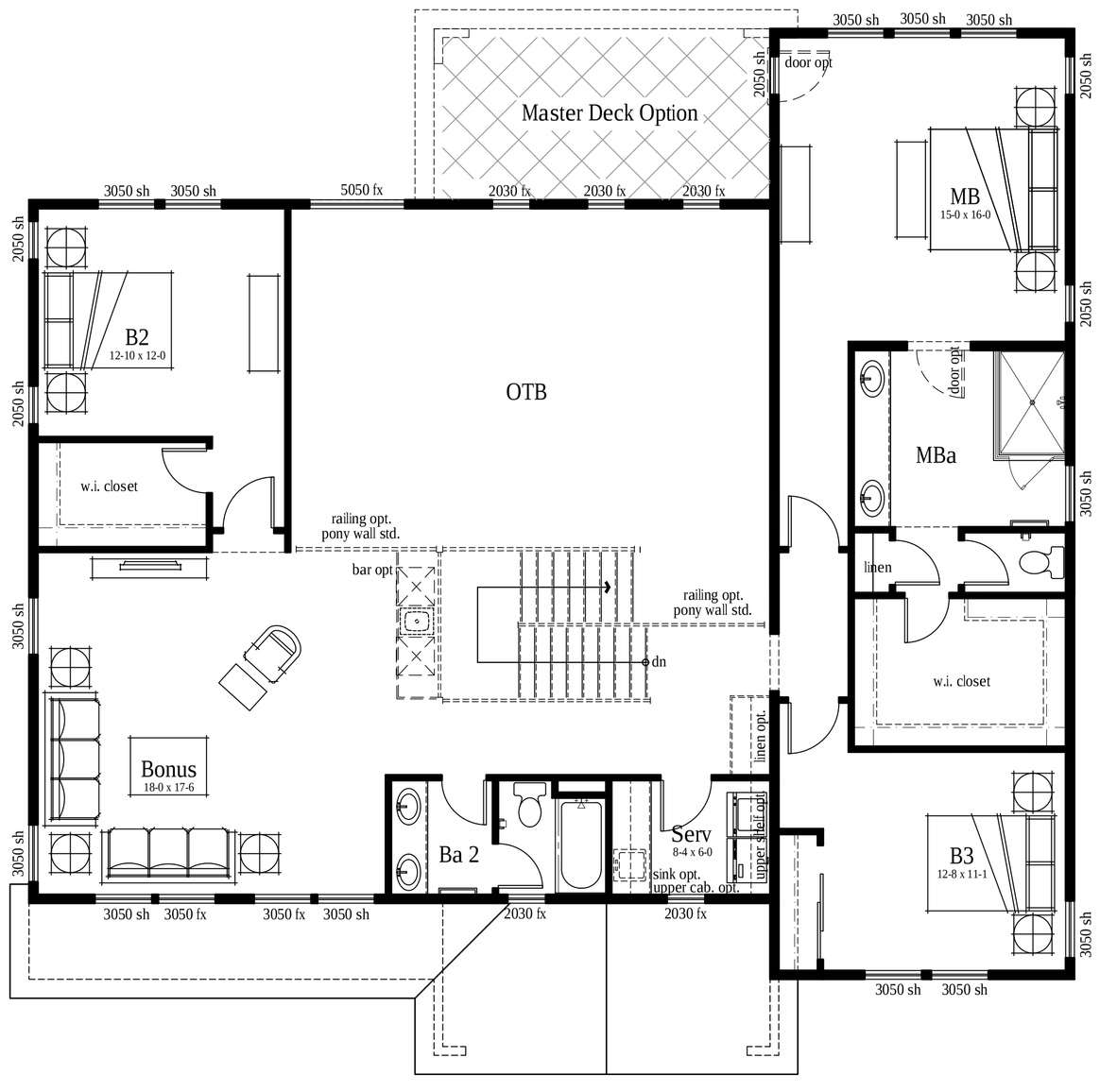
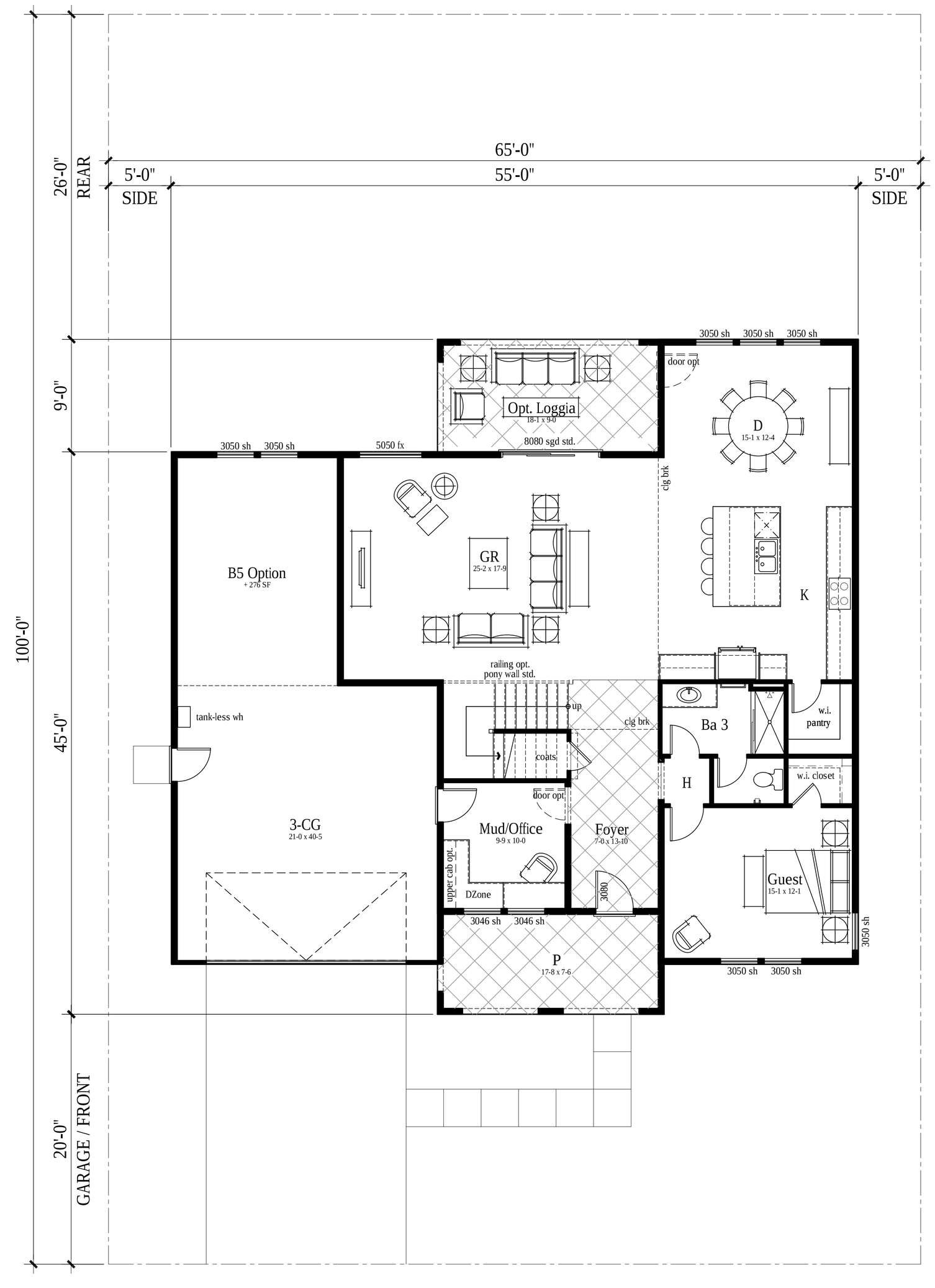
PLAN 3 - STYLE 'C' - EXT. EL. & ROOF PLAN

A3-24





SQUARE FOOTAGE SUMMARY	
PLAN 4	
FIRST FLOOR	1,603 S.F.
SECOND FLOOR	2,176 S.F.
TOTAL	3,779 S.F.
TOTAL LOT COVERAGE	2,469 S.F.
PORCH	141 S.F.
2-CAR GARAGE	476 S.F.
STORAGE @ GARAGE	249 S.F.
BEDROOM 5 OPT.	+249 S.F.
LOGGIA OPT.	159 S.F.
2ND FLOOR DECK OPT.	159 S.F.

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0 4' 8' 12'

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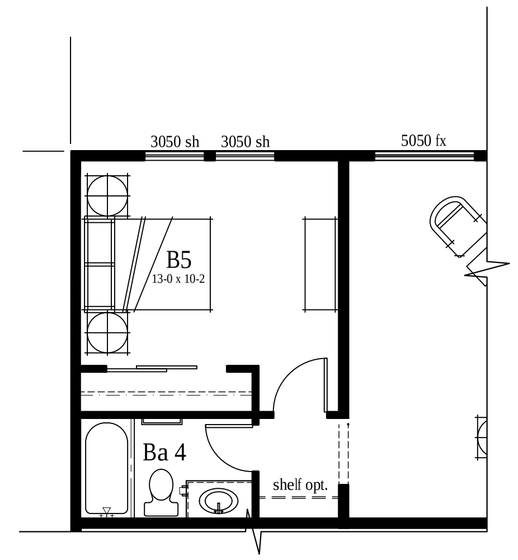
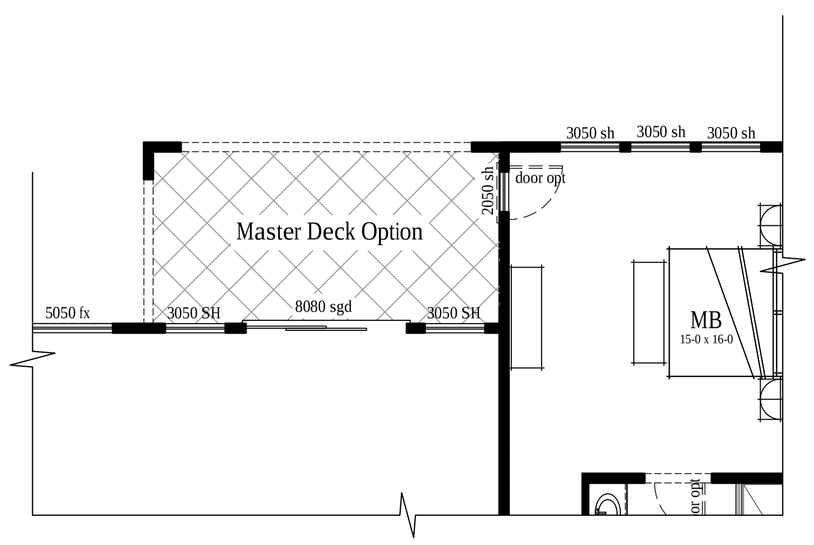
PLAN 4 - STYLE 'A' - FIRST AND SECOND FLOOR PLAN

A4-10

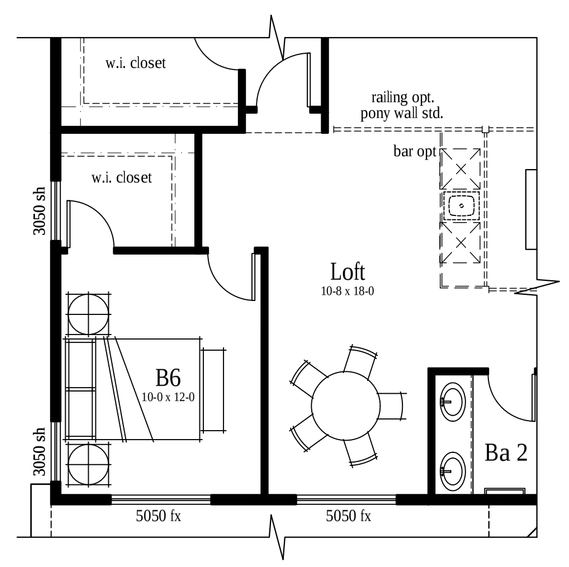


FLEX OPTION

IN LIEU OF STORAGE

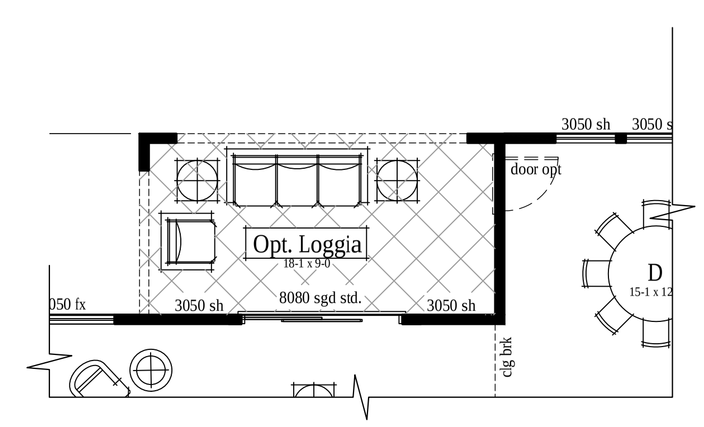


MASTER DECK OPTION

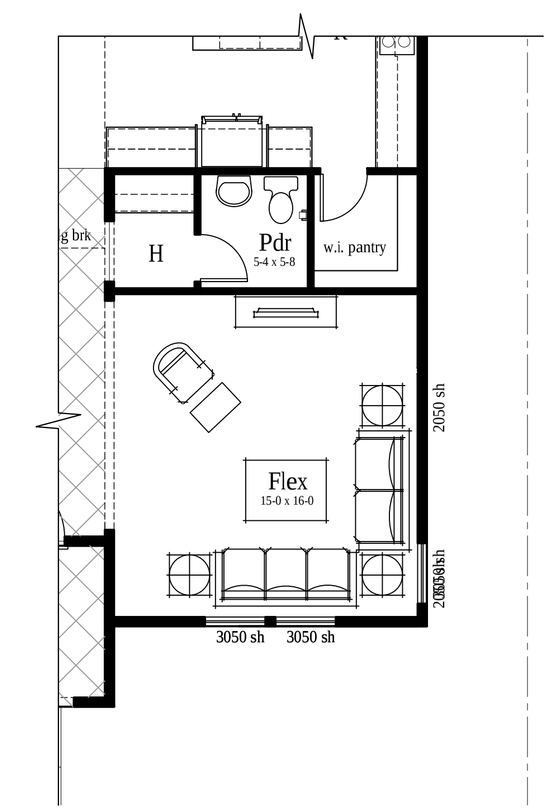


BEDROOM 6 OPTION

IN LIEU OF BONUS



LOGGIA OPTION



FLEX OPTION

IN LIEU OF GUEST BEDROOM

SQUARE FOOTAGE SUMMARY	
PLAN 4	
FIRST FLOOR	1,603 S.F.
SECOND FLOOR	2,176 S.F.
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2-CAR GARAGE	476 S.F.
STORAGE @ GARAGE	249 S.F.
BEDROOM 5 OPT.	+249 S.F.
LOGGIA OPT.	159 S.F.
2ND FLOOR DECK OPT.	159 S.F.

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0 4' 8' 12'

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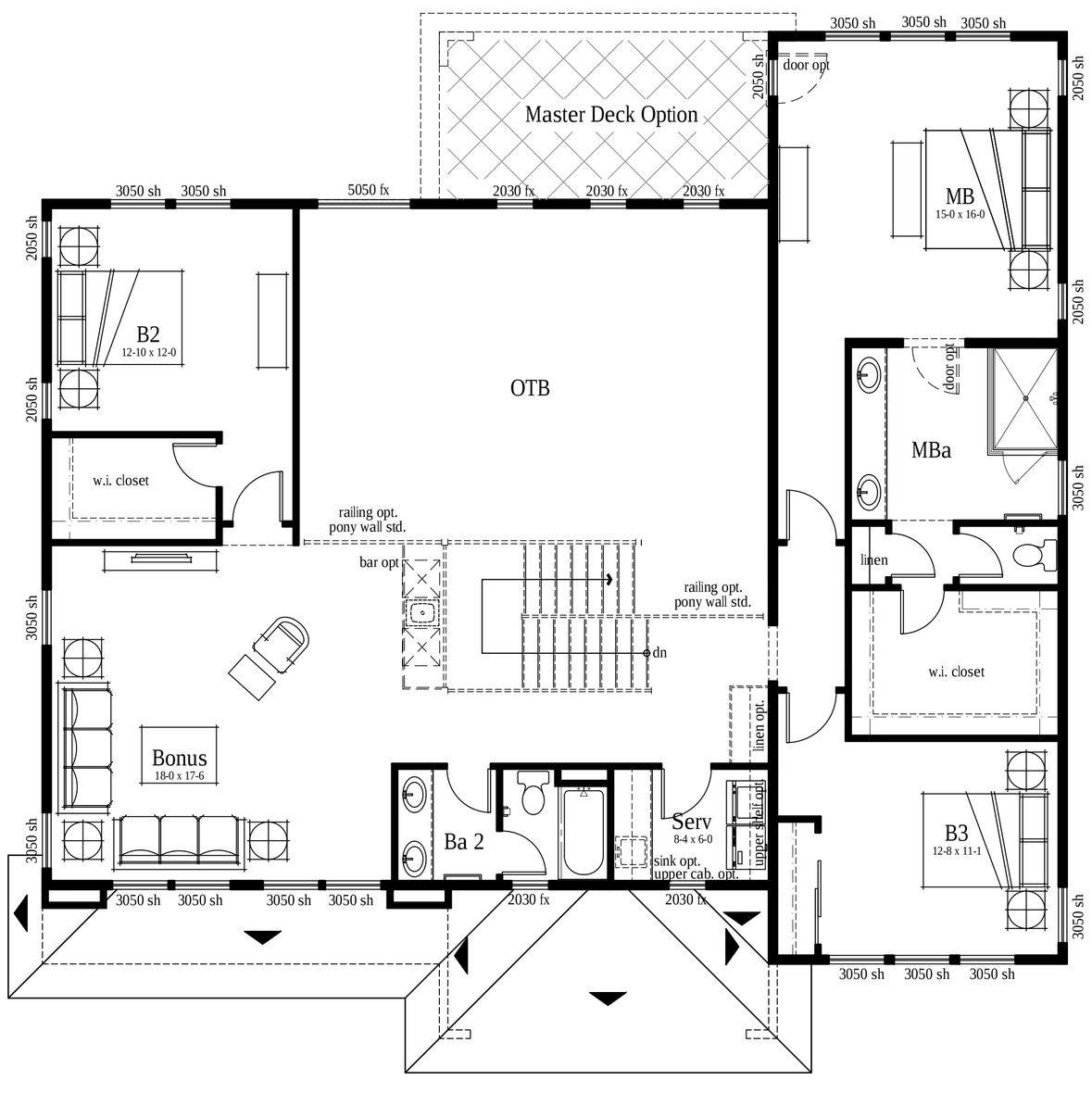
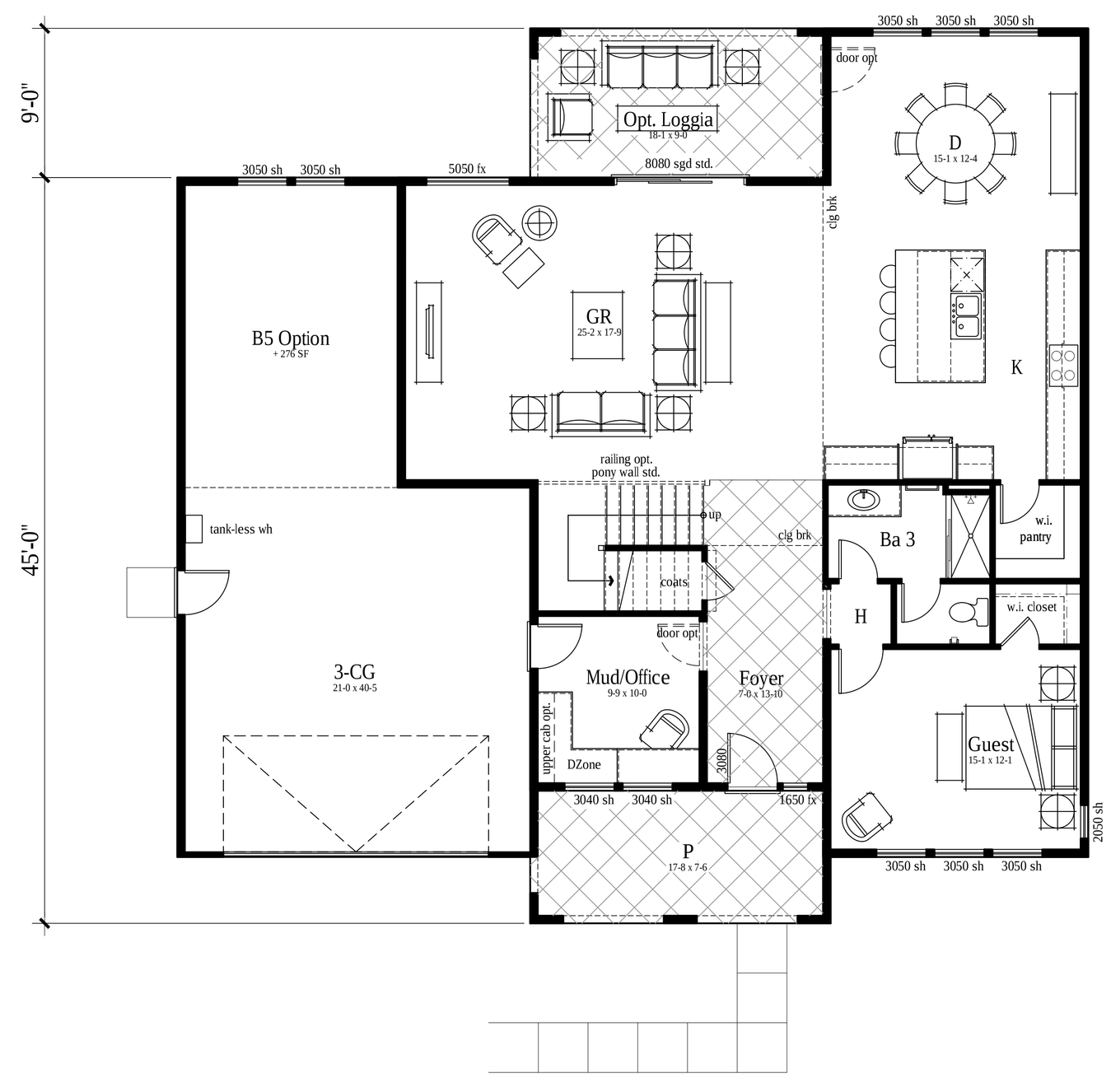
PLAN 4 - FLOOR PLAN OPTIONS

A4-11





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0 4' 8' 12'

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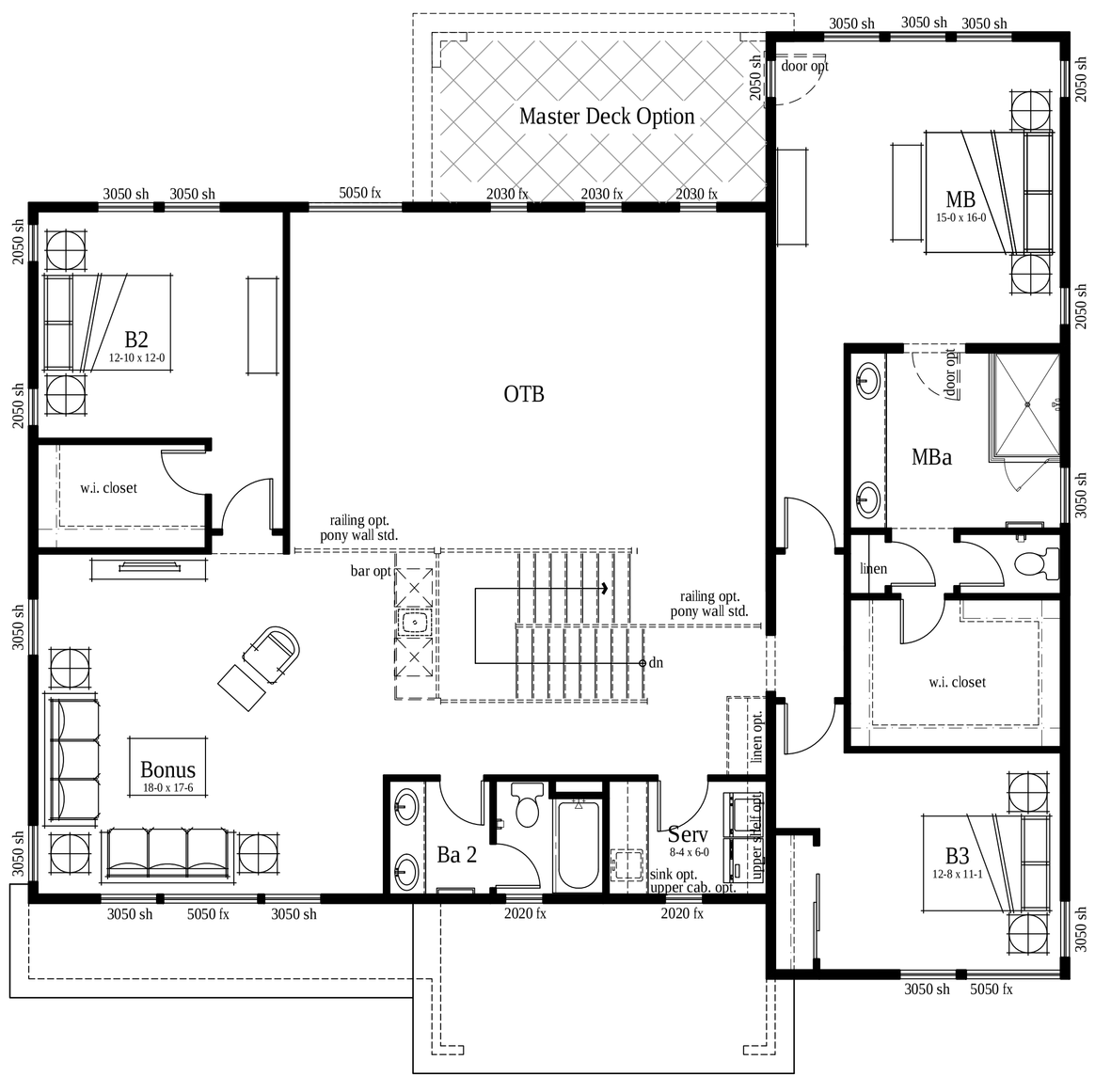
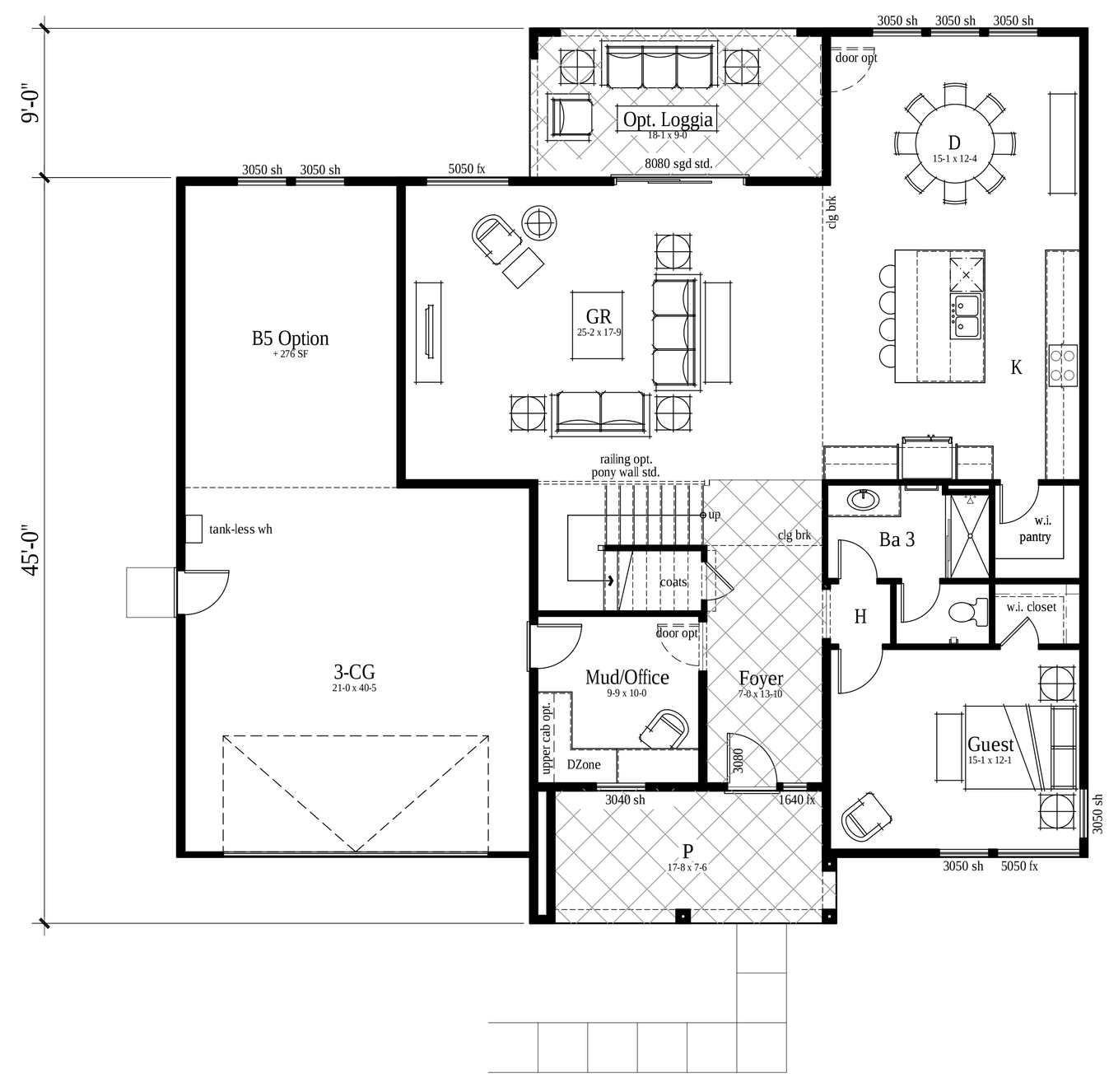
PLAN 4 - STYLE 'B' - FIRST AND SECOND FLOOR PLAN

A4-12





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PLAN 4 - STYLE 'C' - FIRST AND SECOND FLOOR PLAN

A4-13

PLAN 4A

CONTEMPORARY RANCH

PLAN 4B

MODERN PRAIRIE

PLAN 4C

MID-CENTURY MODERN

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PLAN 4 - PERSPECTIVES

A4-20

PLAN 4A

CONTEMPORARY RANCH

PLAN 4B

MODERN PRAIRIE

PLAN 4C

MID-CENTURY MODERN

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
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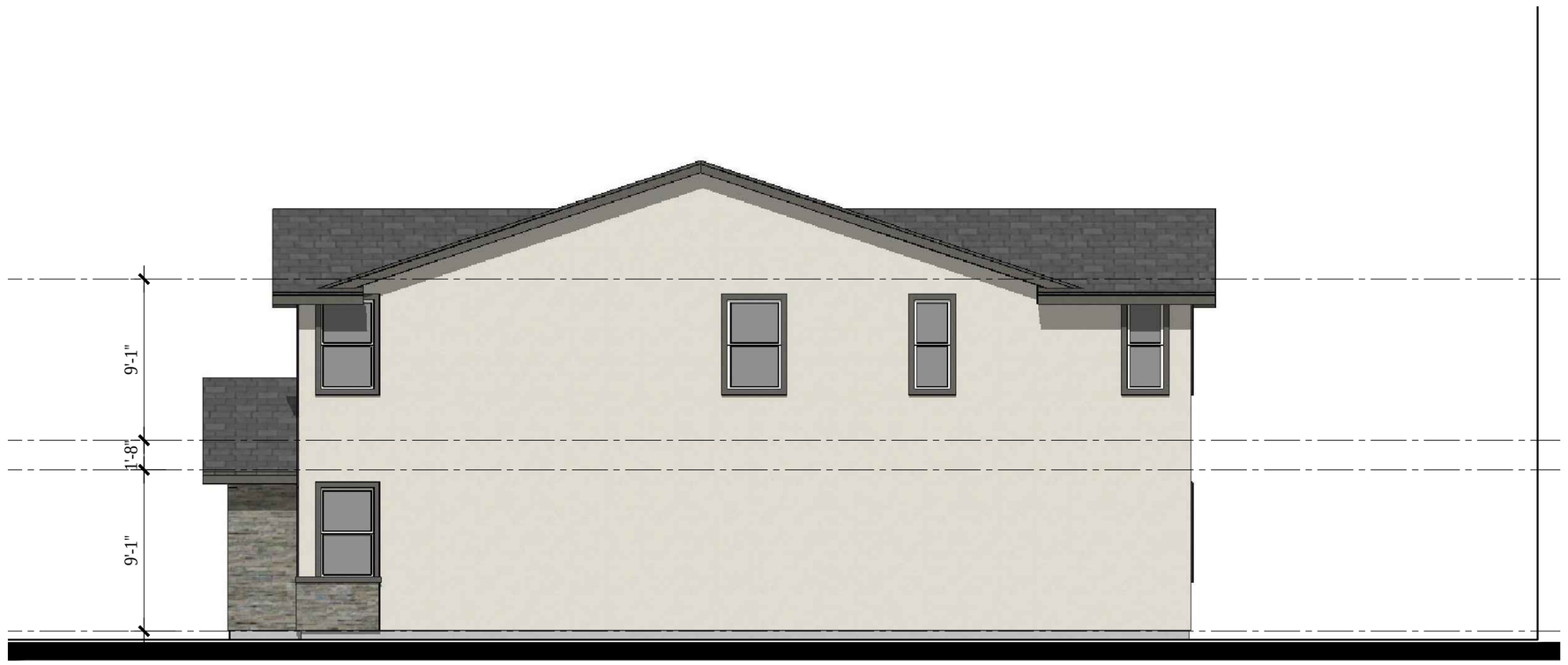
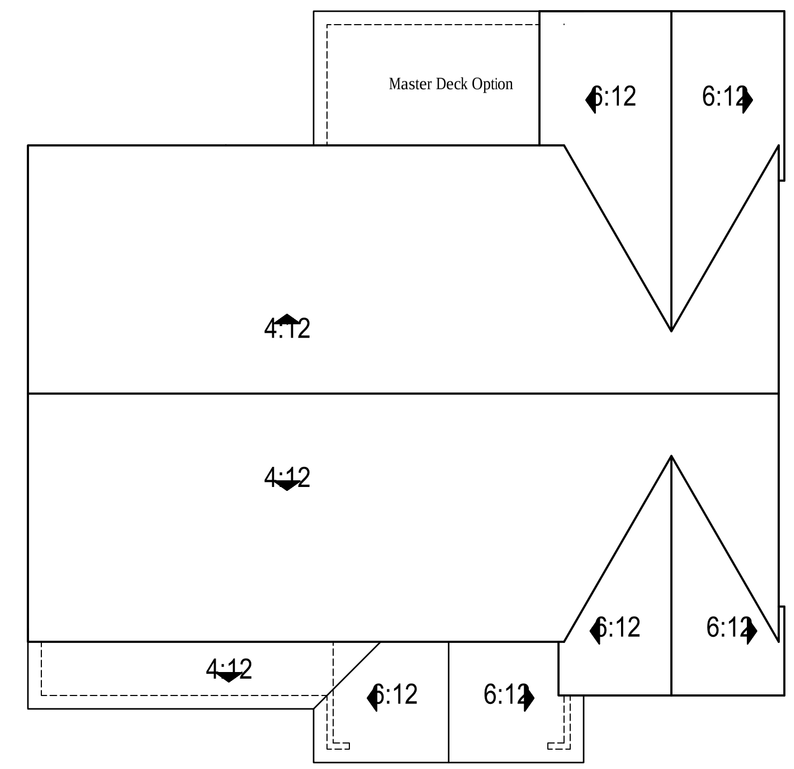
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco



RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

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ANTIOCH, CA # 2019-0072

0 8' 16' 24'

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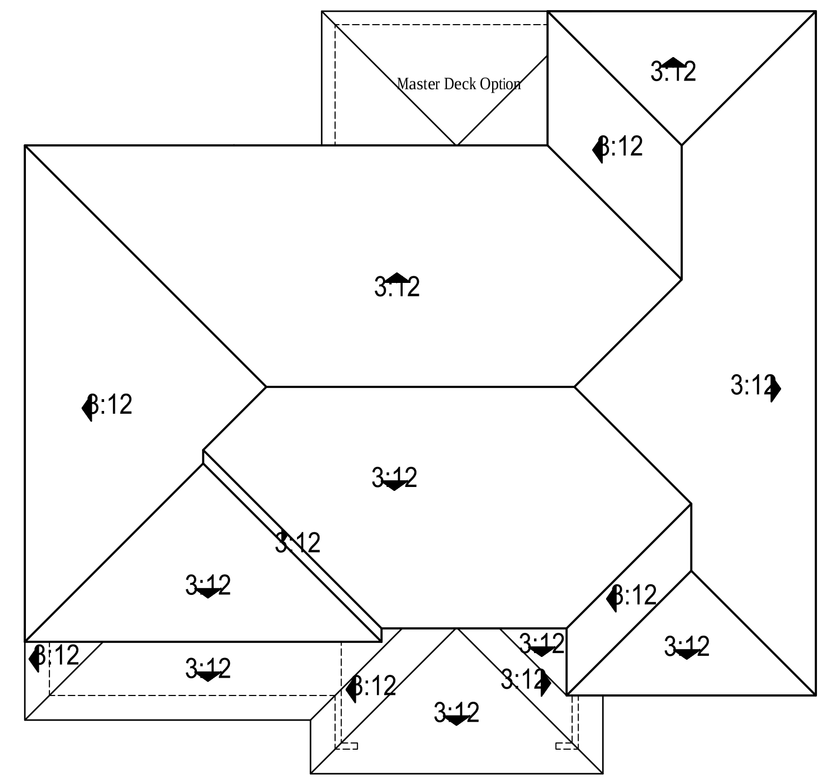
PLAN 4 - STYLE 'A' - EXT. EL. & ROOF PLAN

A4-22

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

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0 8' 16' 24'

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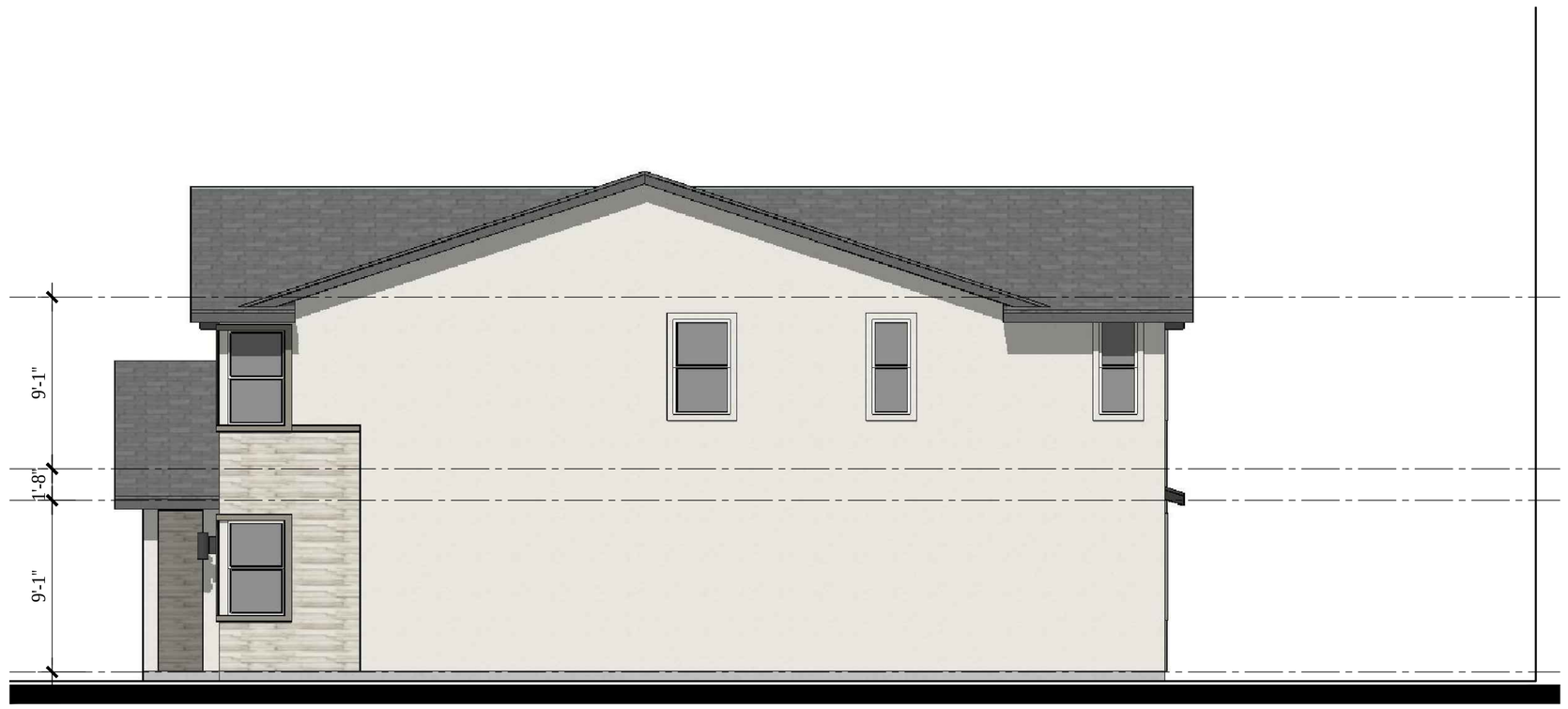
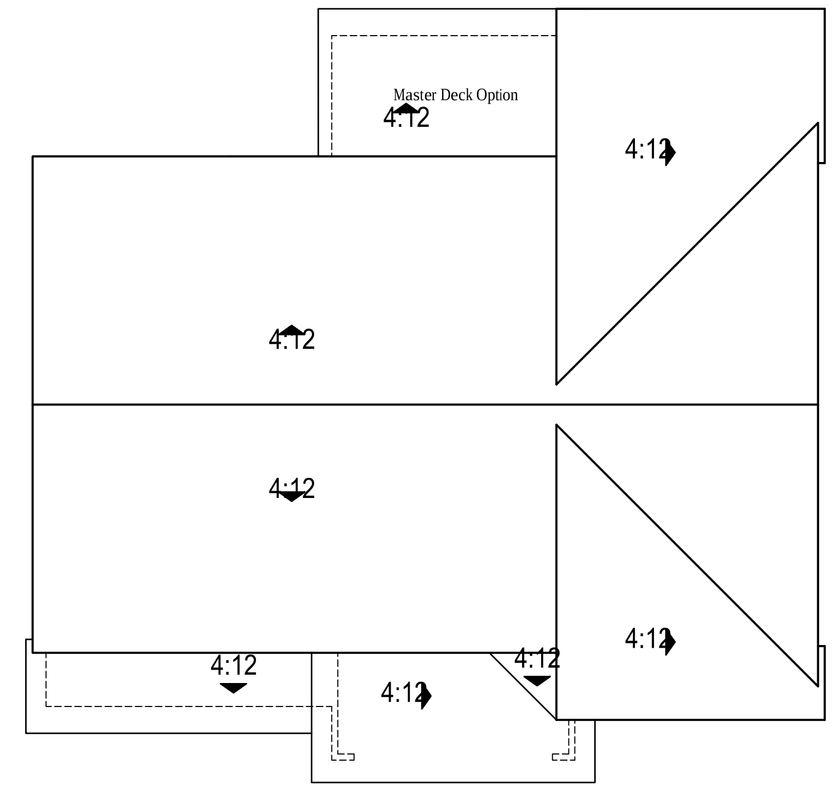
PLAN 4 - STYLE 'B' - EXT. EL. & ROOF PLAN

A4-23



RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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0 8' 16' 24'

PLANNING SUBMITTAL
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PLAN 4 - STYLE 'C' - EXT. EL. & ROOF PLAN

A4-24

STYLE C

STYLE B

STYLE A

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DEER VALLEY ESTATES
ANTIOCH, CA # 2019-0072

0 8' 16' 24'

PLANNING SUBMITTAL
05/01/2020

PLAN 4 - OPTIONAL LOGGIA

A4-25

STYLE C

STYLE B

STYLE A

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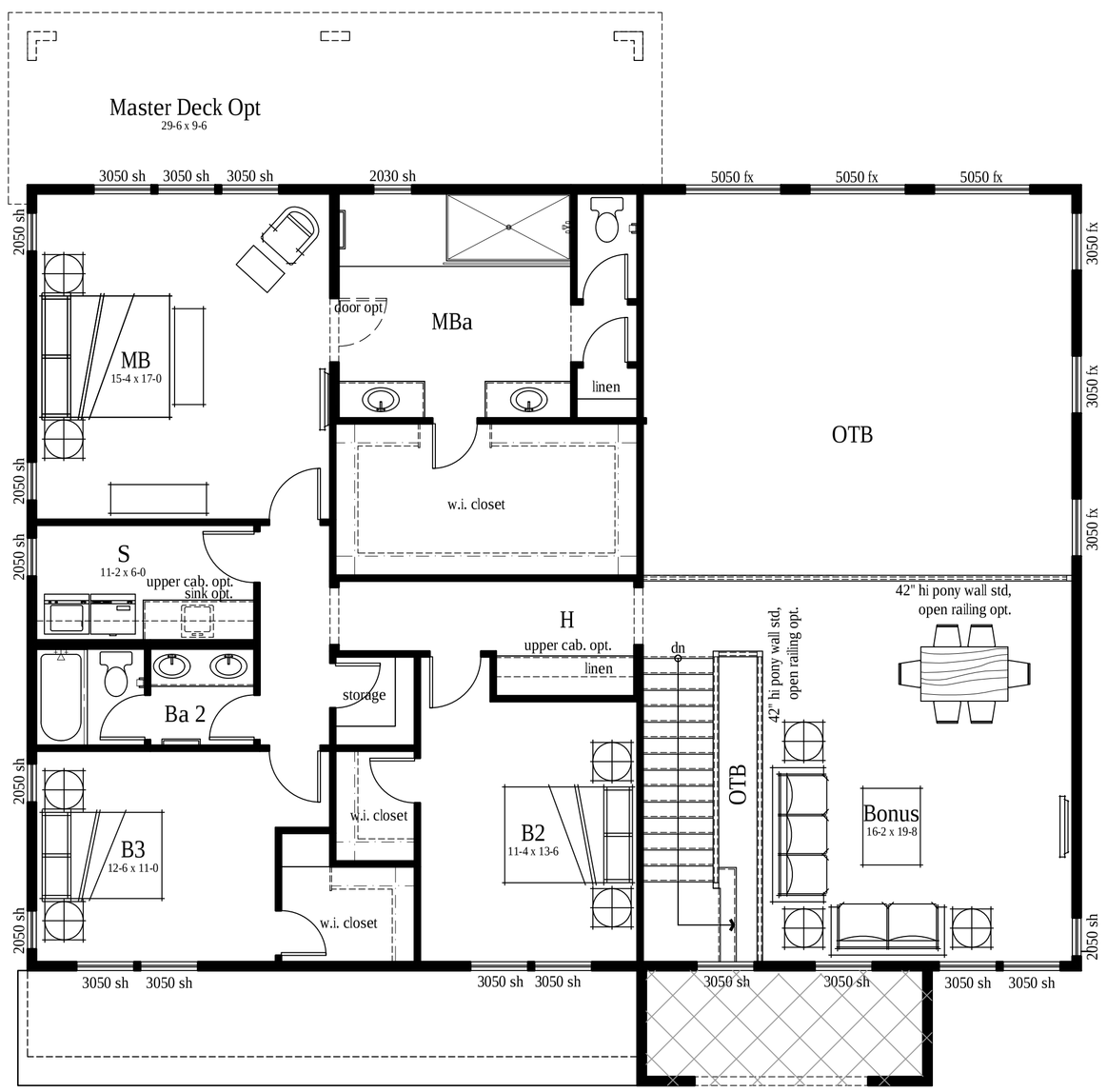
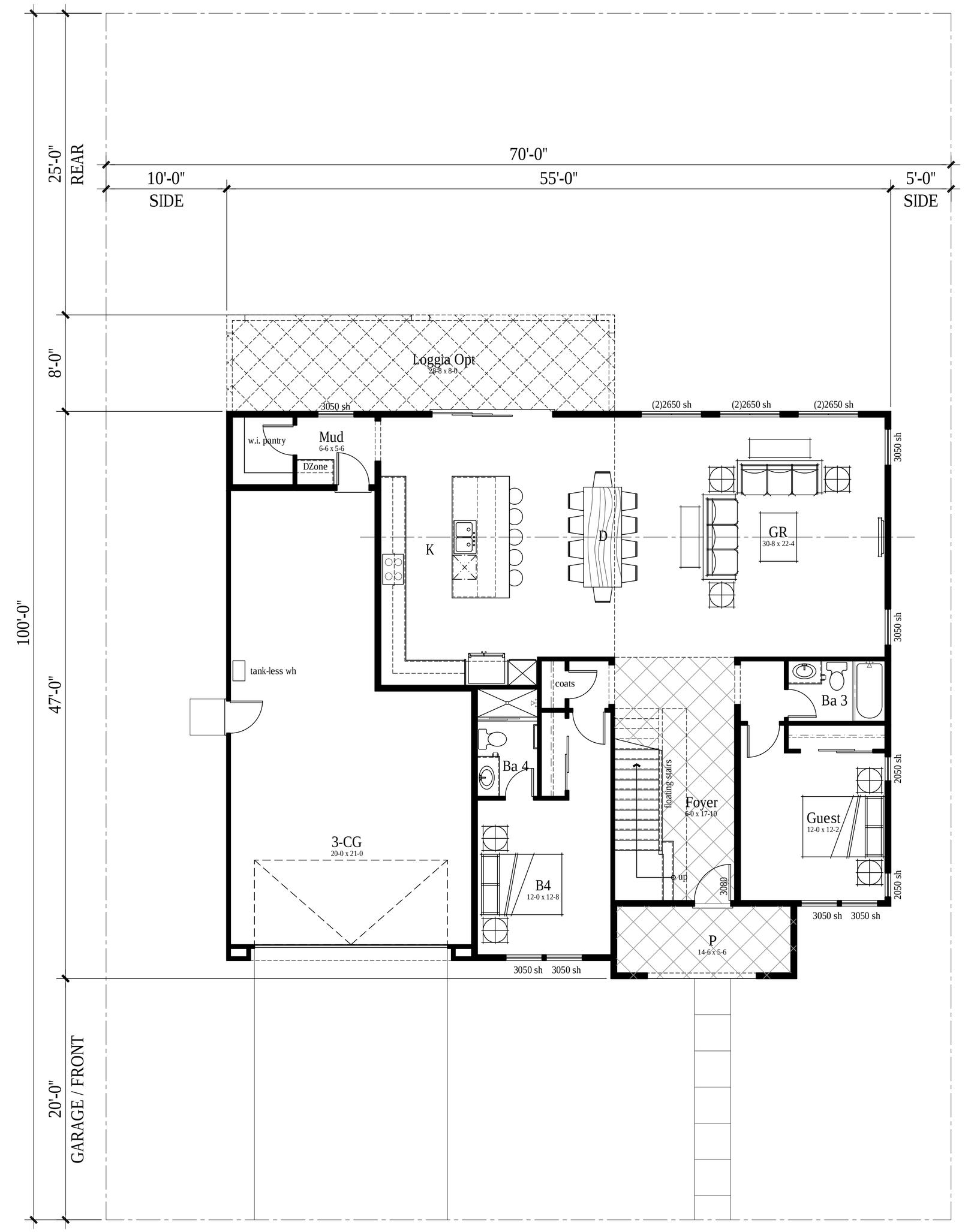
PLAN 4 - OPTIONAL DECK

A4-26





SQUARE FOOTAGE SUMMARY

PLAN 5	
FIRST FLOOR	1,743 S.F.
SECOND FLOOR	1,702 S.F.
TOTAL	3,445 S.F.
TOTAL LOT COVERAGE	2,496 S.F.
PORCH	90 S.F.
3-CAR GARAGE	663 S.F.
LOGGIA OPT.	257 S.F.
2ND FLOOR DECK OPT.	230 S.F.

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0 4' 8' 12'

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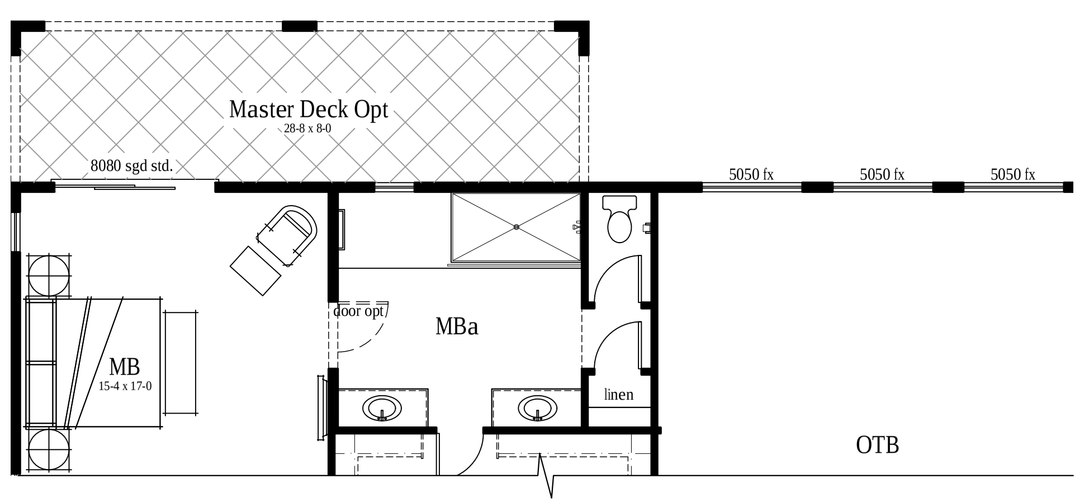
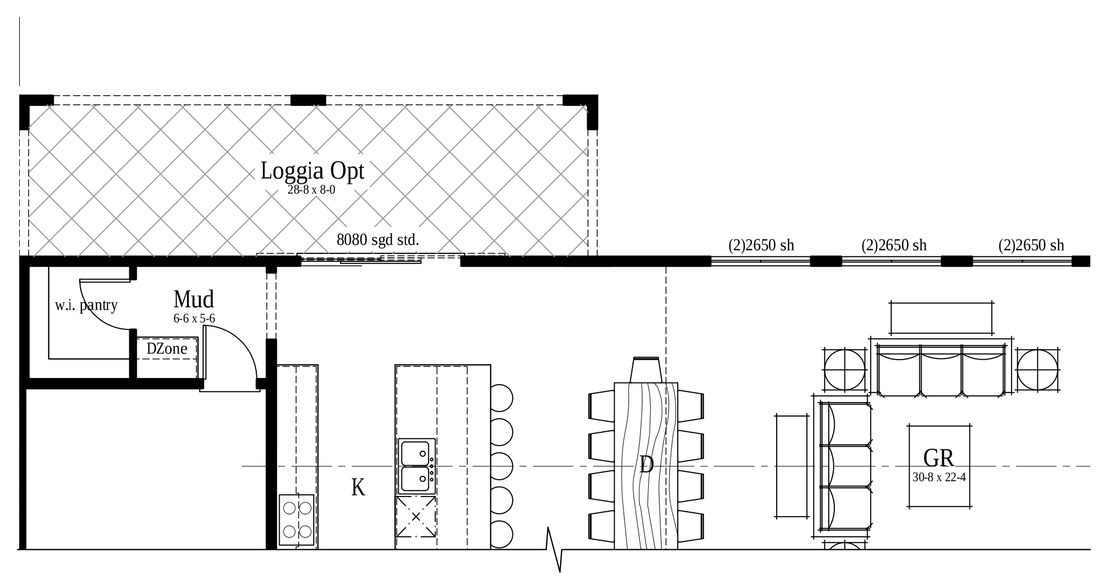
PLAN 5 - STYLE 'A' - FIRST AND SECOND FLOOR PLAN

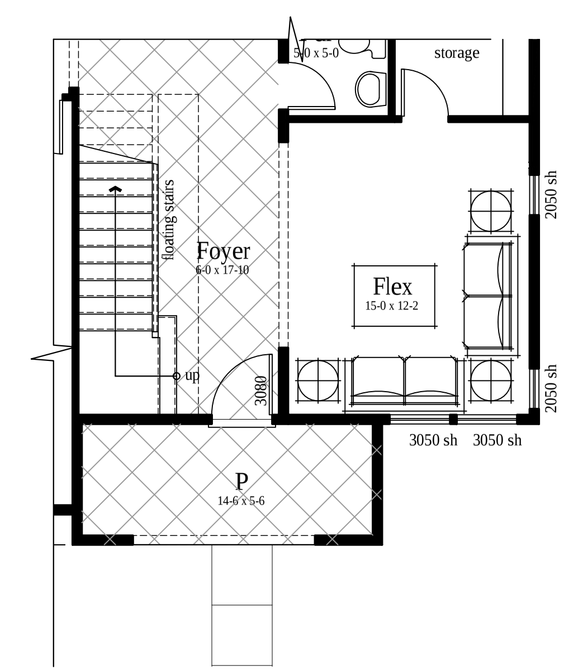
A5-10



MASTER DECK OPTION



LOGGIA OPTION



FLEX OPTION

IN LIEU OF GUEST BEDROOM

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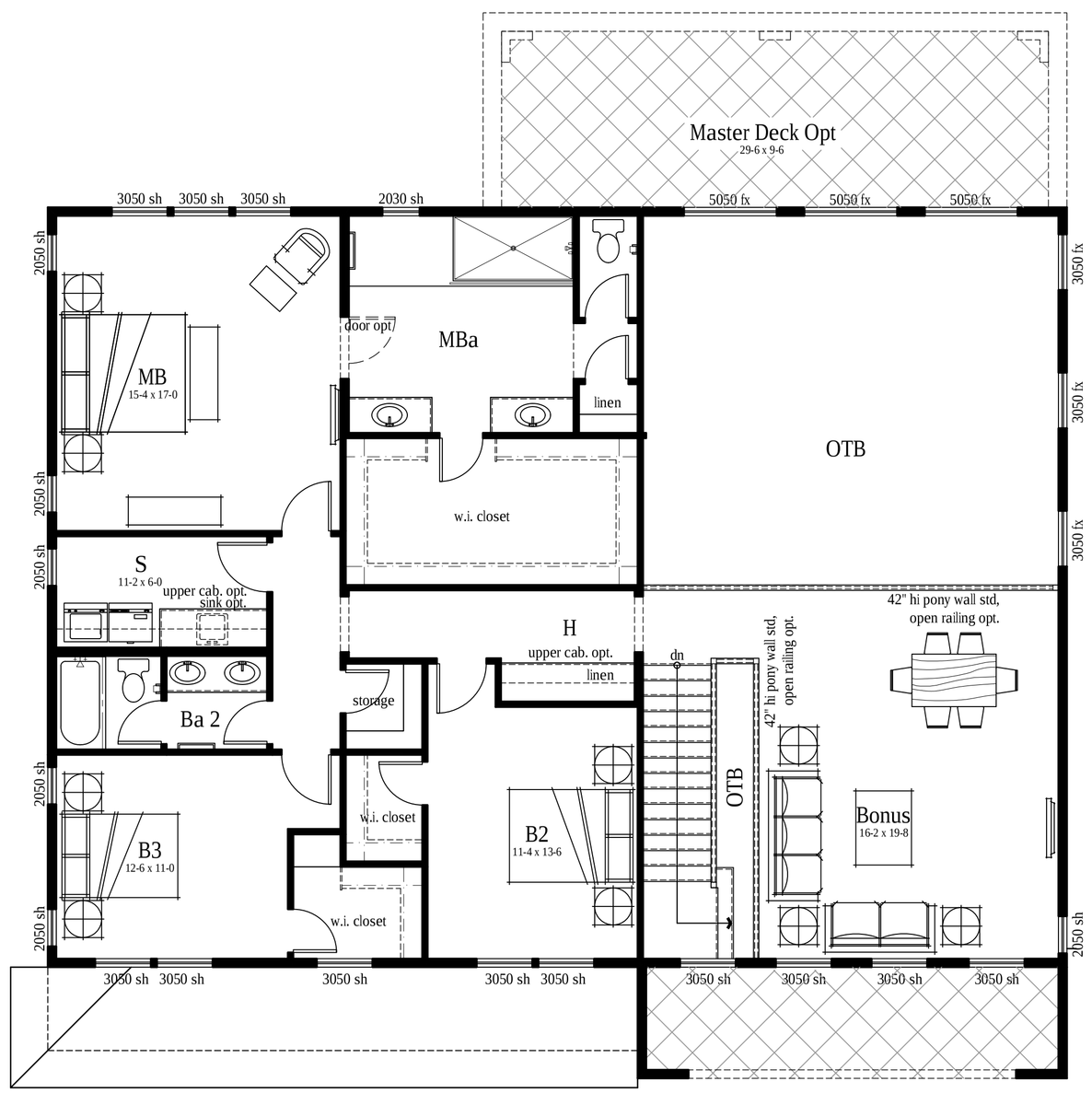
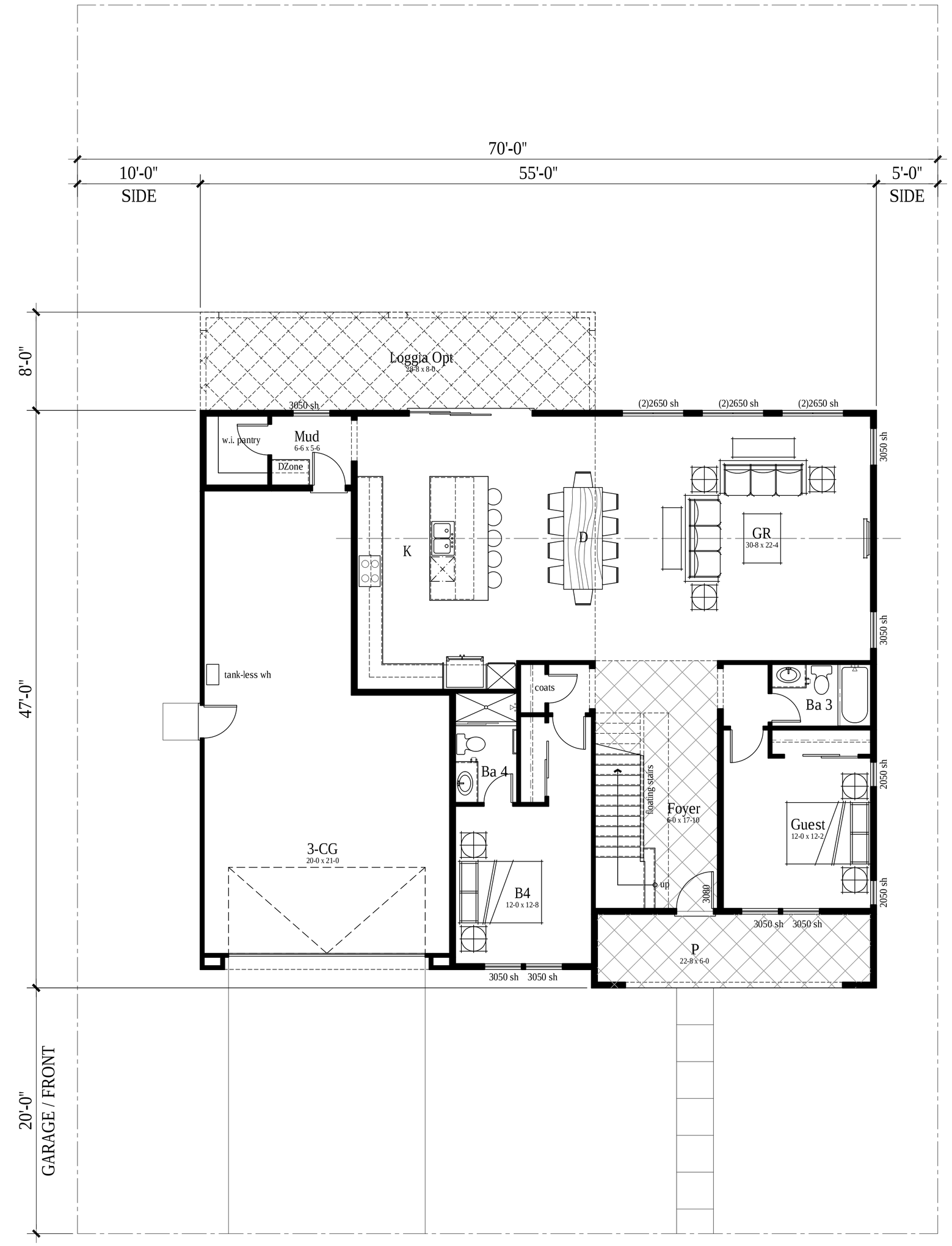
PLAN 5 - FLOOR PLAN OPTIONS

A5-11





SQUARE FOOTAGE SUMMARY

PLAN 5	
FIRST FLOOR	1,743 S.F.
SECOND FLOOR	1,702 S.F.
TOTAL	3,445 S.F.
TOTAL LOT COVERAGE	2,543 S.F.
PORCH	137 S.F.
3-CAR GARAGE	663 S.F.
LOGGIA OPT.	257 S.F.
2ND FLOOR DECK OPT.	230 S.F.

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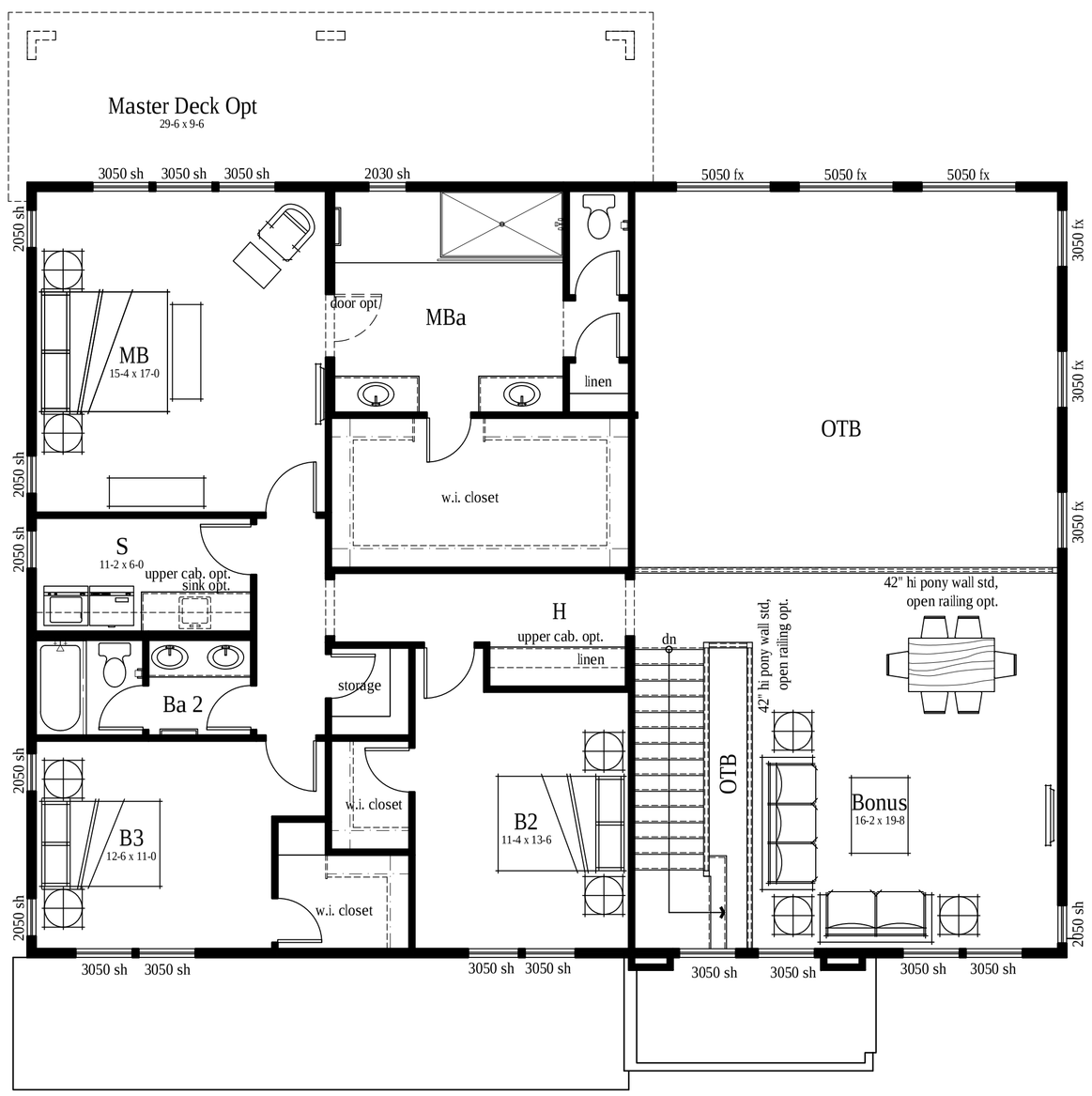
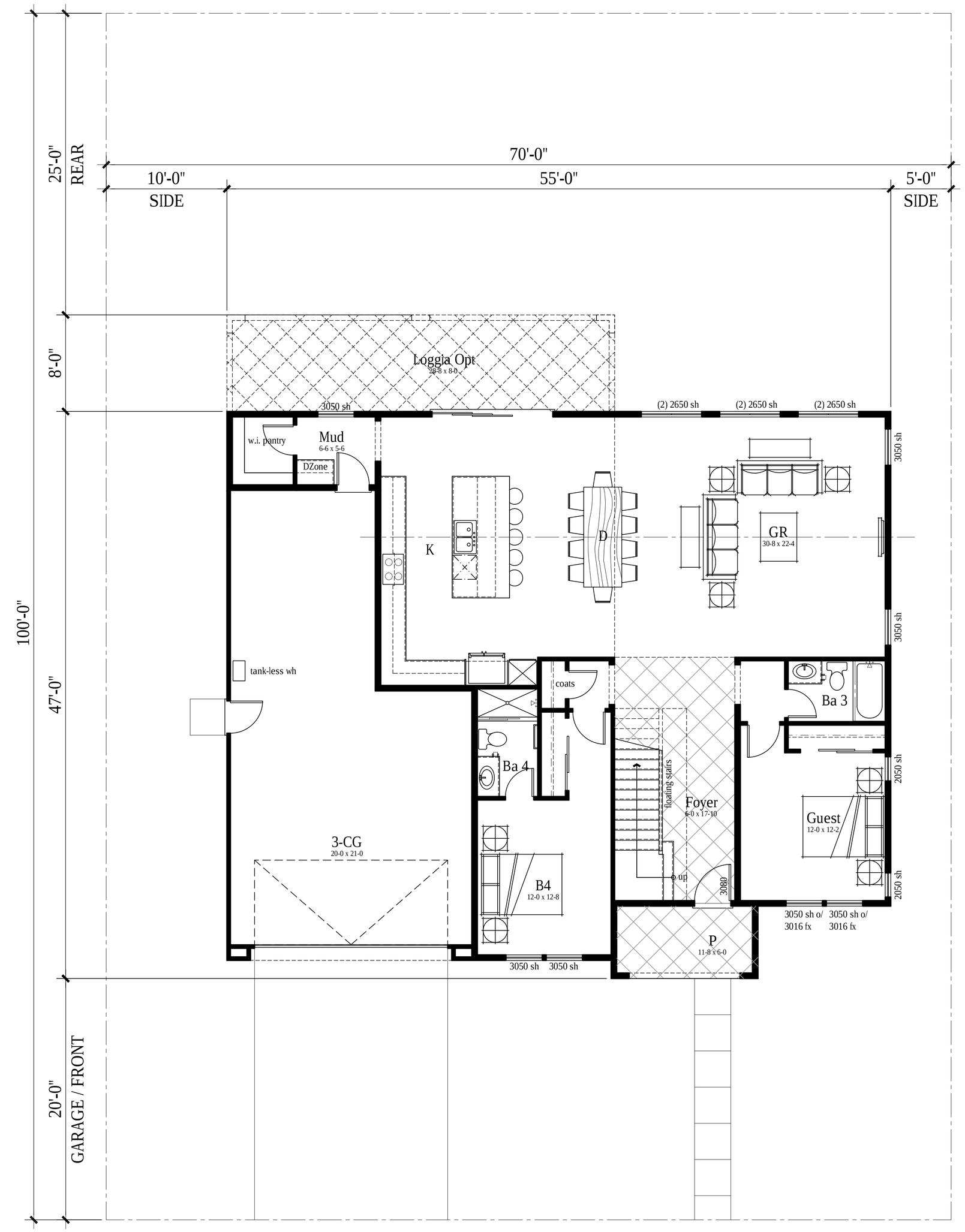
PLAN 5 - STYLE 'B' - FIRST AND SECOND FLOOR PLAN

A5-12





SQUARE FOOTAGE SUMMARY

PLAN 5	
FIRST FLOOR	1,743 S.F.
SECOND FLOOR	1,702 S.F.
TOTAL	3,445 S.F.
TOTAL LOT COVERAGE	2,477 S.F.
PORCH	71 S.F.
3-CAR GARAGE	663 S.F.
LOGGIA OPT.	257 S.F.
2ND FLOOR DECK OPT.	230 S.F.

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05/01/2020

PLAN 5 - STYLE 'C' - FIRST AND SECOND FLOOR PLAN

A5-13

PLAN 5A

CONTEMPORARY RANCH

PLAN 5B

MODERN PRAIRIE

PLAN 5C

MID-CENTURY MODERN

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PLAN 5 - PERSPECTIVES

A5-20

Building Materials List

1. Stucco
2. Fiber Cement Lap Siding
3. Stone Veneer
4. Stucco Trim
5. Fiber Cement Trim
6. Vinyl Windows
7. Concrete Tile Roof
8. Fascia Board
9. Entry Door
10. Metal Garage Door
11. Exterior Light Fixture
12. Unit Address
13. Wood Corbel
14. Stucco Control Joint
15. Stucco Column
16. Scored Stucco

PLAN 5A

CONTEMPORARY RANCH

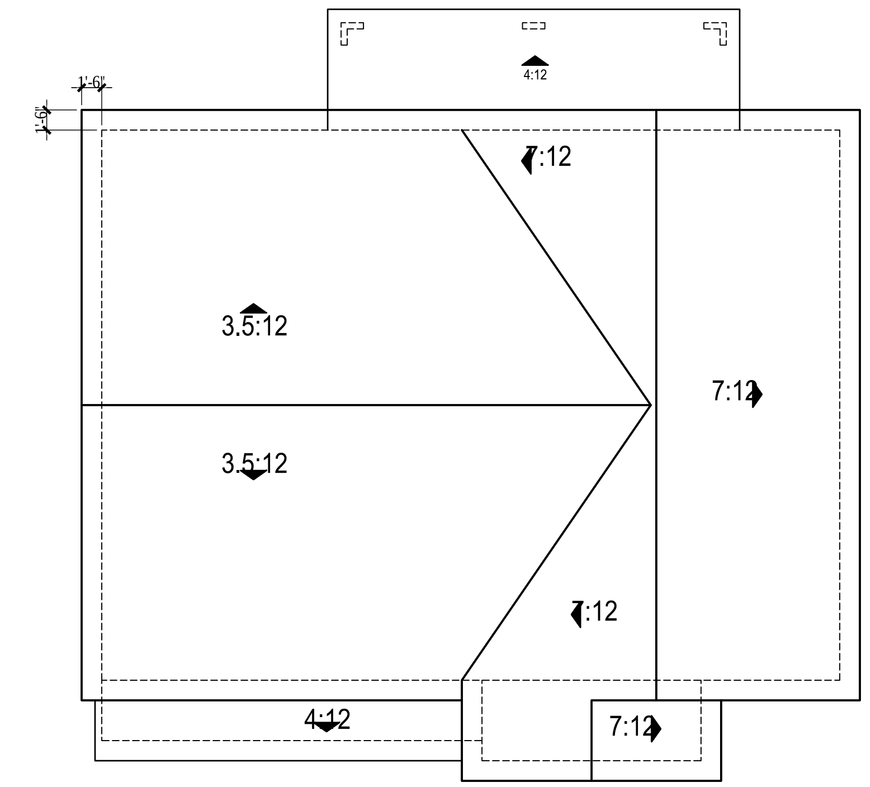
PLAN 5B

MODERN PRAIRIE

PLAN 5C

MID-CENTURY MODERN

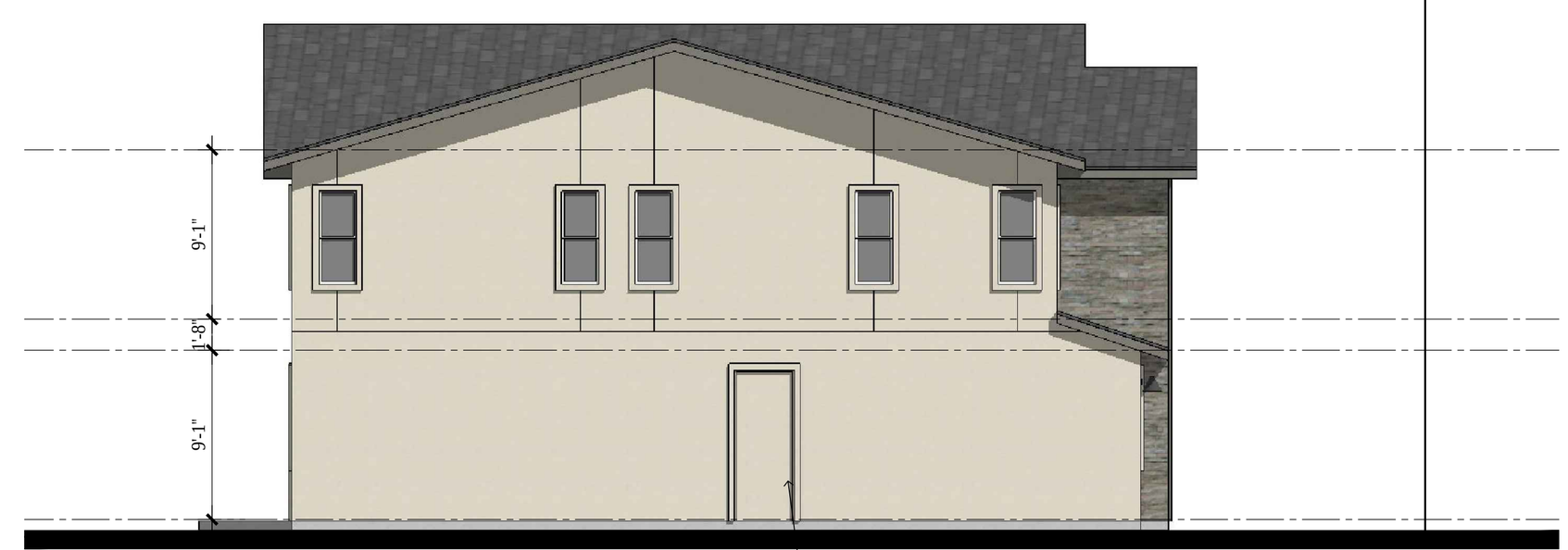
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

EXTERIOR GRADE DOOR

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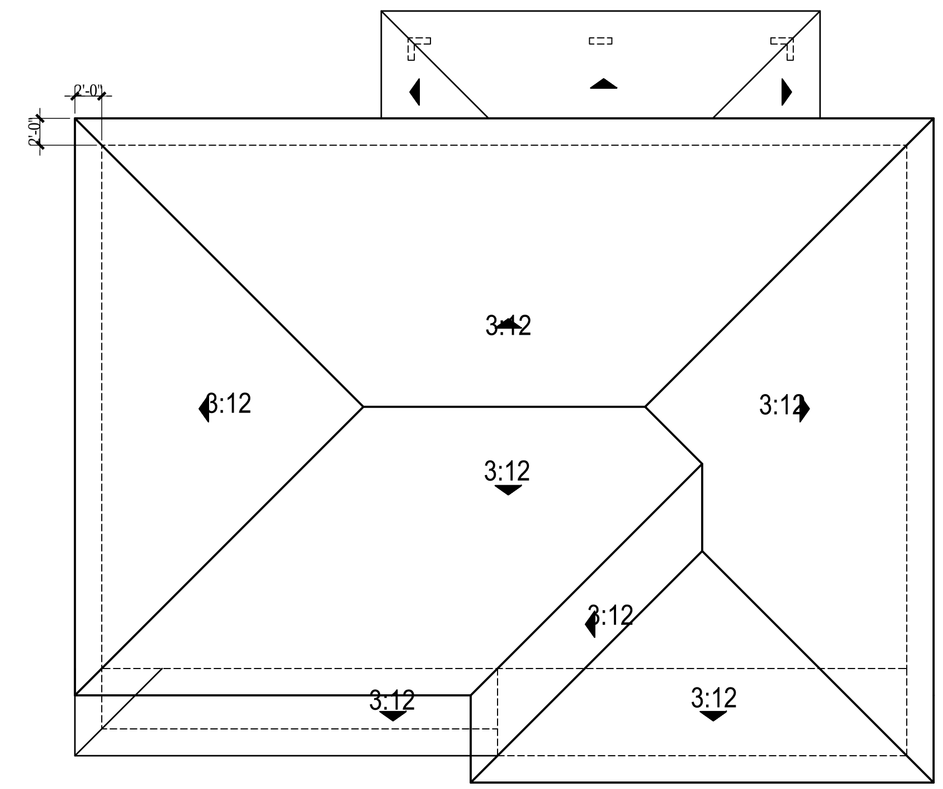
PLAN 5 - STYLE 'A' - EXT. EL. & ROOF PLAN

A5-22

RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION

LEFT ELEVATION

EXTERIOR GRADE DOOR

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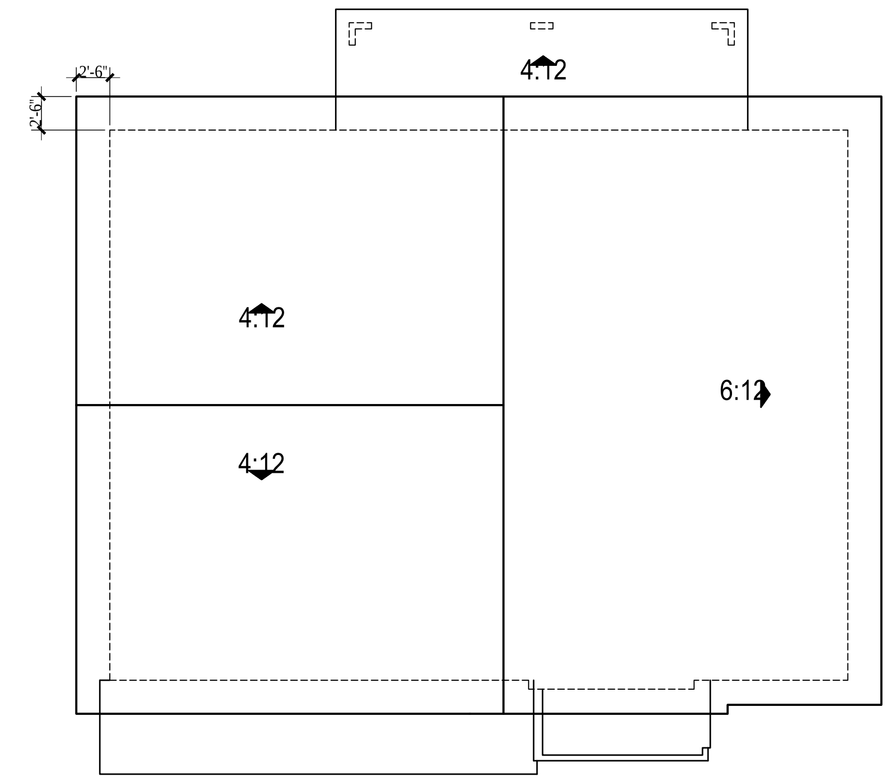
PLAN 5 - STYLE 'B' - EXT. EL. & ROOF PLAN

A5-23

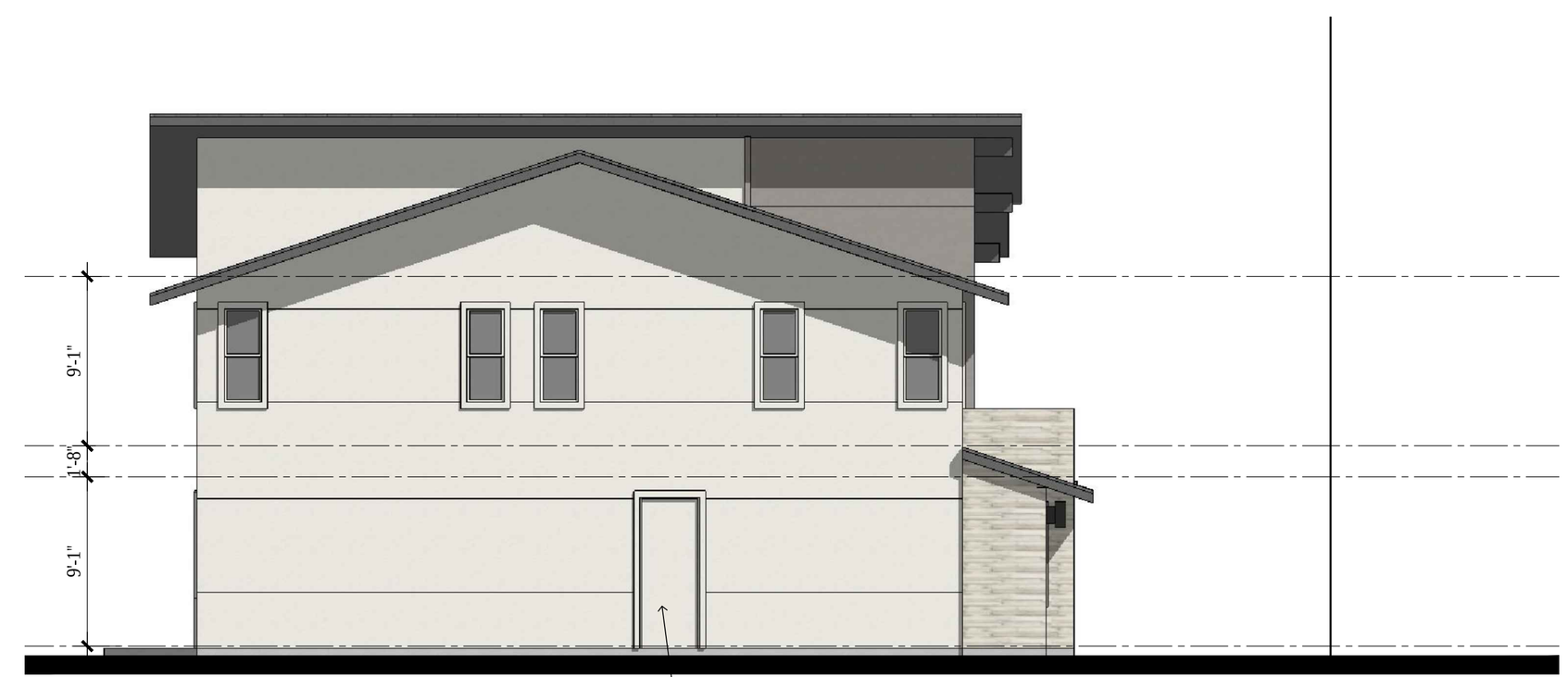
RIGHT ELEVATION



ROOF PLAN

SCALE: $\frac{1}{8}$" = 1--0"

REAR ELEVATION



LEFT ELEVATION

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PLAN 5 - STYLE 'C' - EXT. EL. & ROOF PLAN

A5-24

STYLE C

STYLE B

STYLE A

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PLAN 5 - OPTIONAL LOGGIA

A5-25

STYLE C

STYLE B

STYLE A

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PLAN 5 - OPTIONAL DECK

A5-26

ATTACHMENT D

Project Description

Exhibit A
Deer Valley Estates Antioch
Detailed Project Description

Owner/Applicant		
Property Owner	Western State Company a CA LP Attn: Carl Zocchi 5075 Commercial Circle, Suite A, Concord, CA 94520 csz@zcproperties.com	
Applicant/Developer	Blue Mountain Communities Attn: Mike Howl or Carlos Yanez 707 Aldridge Road Suite B Vacaville, CA 95688 707-471-7479	
Design Team		
Engineer	Carlson, Barbee & Gibson, Inc Attn: Andrea Bellanca 2633 Camino Ramon, Suite 350 San Ramon, CA 94583 925-866-0322	
Soils Engineer	Engeo, Inc 17278 Golden Valley Parkway Lathrop, CA 95330 209-835-0610	
Architect	KTGY Architecture + Planning Attn: Jonathan Jaeger 1814 Franklin St, Suite 400 Oakland, CA 94612 510-463-2064	
Landscape Architect	Ripley Design Group Attn: Annika Carpenter 1615 Bonanza St, Suite 314 Walnut Creek, CA 94596 925-938-7377	

Site Info			
Address	1600 Deer Valley Road, Antioch, California Contra Costa County		
APN	057-022-013 and 055-071-026		
Area	37.56 Acres		
General Plan	Existing	055-071-026	Medium Low Density Residential
		057-022-013	Sand Creek Focus Area Low Density Residential
	Proposed	Sand Creek Focus Area Low Density Residential	
Zoning	Existing	PD- Planned Development	
	Proposed	PD- Planned Development	

PROJECT SITE CHARACTERISTICS:

The project site consists of 37.56 acres of primarily undeveloped gently sloping land. Currently, the site includes a limited cattle-grazing operation. Historical uses of the site include grazing and limited natural gas exploration. The site is traversed by several gas line easements which are all retained in open space.

Proposed Use: Construction of 121 single family detached homes on minimum 7,000 square foot lots, plus public streets, and private open space composed of park, playground, dog park, walkways, and detention basin. The proposed density is 3.2 dwelling per acre.

Existing streets are proposed to be extended completing existing dead ends in the community to the north. They would be built to city standards and deeded to the City. Deer Valley green way adjoining the parcel, internal park, walkways and retention basin would be maintained by a new HOA to be formed for the community. The main entry into the project is proposed to be at a widened Wellness Way at the south side of the project across from the main entry into the Kaiser Hospital complex.

Surrounding land uses are:

North: single family homes,
East: single family homes approved and under construction.
South: Kaiser Hospital and PG&E substation.
West: Deer Valley Road and open space approved for mixed use development per the Sand Creek Focus Area plan

Entitlement Requested:

General Plan Amendment: The smaller of the two parcels, 055-071-026 has a general plan designation of Medium Low Density Residential. The large parcel has a general plan designation of Sand Creek Focus Area Low Density Residential. Applicant seeks a General Plan Amendment to make the smaller parcel consistent with the larger parcel. So both would have the same general plan designation of Sand Creek Focus Area Low Density Residential.

Tentative Map: Application seeks approval of a vesting tentative map

Final Development Plan: The development plan includes 4 hours plans each with three unique elevations. The homes would be a mix of 1 and 2 story raging in size from 2,799 square foot 3 bedroom 2 bath to a 3,363 square foot 5 bedroom 4 bath home. All set backs, lot coverage and other lot requirements are met. Masonry walls will be built to surround the project. Stormwater retention is on site.

Public Facilities and Amenities
Proposed public facilities and recreational amenities, including open space and trails, and park.

• **Deer Valley Road:** The project fronts on Deer Valley Road and would create an extension of the Deer Valley parkway landscape design.

• **Open Space and Trails:** In addition to the Deer Valley Road parkway improvements the project would include a landscaped and trail improvements over existing gas line pipelines. Setting aside approximately 1.5 acres as open space.

• **Parks and Landscape Areas.** The proposed project would include a 1.12 acre neighborhood park. Landscaped areas would also be provided throughout the development.

• **Retention Basin.** The proposed project includes a 1.51 acre stormwater control retention basin.

Design Review: The architecture for Deer Valley Estates springs from an intention to create a community that is rooted in tradition and at the same time is looking to the future. Residential design in the 20th century took many shapes and forms, and 3 innovative styles that enjoyed popularity and success were Prairie Style, Ranch Style, and Mid-Century Modern. These three styles have distinct characters, but also share some common attitudes in their emphasis on horizontality, connection to the land, and an honest use of materials. The homes at Deer Valley Estates take these three styles as inspiration and reinterpret them with an eye towards today's lifestyles and contemporary materials.

The Modern Prairie style is inspired by the hipped roofs, broad eaves, horizontal banding, and alternating rhythm of piers and glazing typical of the original Prairie Style reinterpreted using horizontal stone veneer, strong horizontal banding, and broad hipped roofs.
The Contemporary Ranch style is an updated take on ranch style homes with a mix of gable and shed roofs, exposed beams, stone accents, and a warm color palette.
The Mid-Century Modern style is a 21st century take on classic 1950's residential design, employing strong shed roof forms, larger groupings of glazing, exposed beams, cooler tones, and pops of color.

ATTACHMENT E

Master Development Plan City Council Staff Report and Minutes (February 26,2008)

STAFF REPORT TO THE CITY COUNCIL
FOR CONSIDERATION AT THE MEETING OF FEBRUARY 26, 2008

Prepared by: Brenda Gillarde, Planning Consultant

Reviewed by: Tina Wehrmeister, Deputy Director of Community Development

Approved by: Joseph Brandt, Director of Community Development

Date: February 21, 2008

Subject: Deer Valley Estates Master Development Plan (MDP), Planned Development Rezone and Mitigated Negative Declaration

RECOMMENDATION

It is recommended that the City Council take the following actions:

1. Motion to approve the resolution adopting the Deer Valley Estates Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program.

2. Motion to introduce the ordinance by title only.

3. Motion to Introduce the ordinance rezoning the project site from Study Zone (S) to Planned Development District (PD); and

4. Provide recommendations on the Deer Valley Estates Master Development Plan.

REQUEST

Allied Investments requests review of a Master Development Plan and approval of a Planned Development Rezone, for the development of a 136 unit single family home subdivision on an approximately 38 acre parcel. The project site is located in the southern portion of the City of Antioch and is bound by Deer Valley Road to the west, single-family residential development to the north; grazing land to the east; and Wellness Way and the Kaiser Hospital medical facilities to the south.

BACKGROUND INFORMATION

The proposed project is located in the Sand Creek Focus Policy Area of the General Plan. In 2004 the City Council decided to cease the processing of a Specific Plan for the Focus Area. The General Plan requires that either a Specific Plan be prepared or an alternative planning process be created for the area. Since a specific plan was not adopted, the City Council adopted an alternative planning process in 2005. This planning process requires all projects seeking development entitlements to submit an application to rezone the subject property from "S" Study Zone to a Planned

Development (PD) zone. The process also requires that a Master Development Plan (MDP) be submitted concurrently with the PD Rezoning application. The Deer Valley Estates application is the first PD rezone and Master Development Plan to be processed in the Focus Area. A chart that describes the planning process for the Sand Creek Focus Area is provided as Attachment "D".

The adopted alternative planning process for the Sand Creek Focus Policy Area describes the Master Development Plan as more conceptual in nature than a Final Development Plan, but that the Master Development Plan should provide the framework for subsequent development entitlements for the subject property. The proposed PD Rezone sets the development standards for the project site, including the maximum density, maximum number of units, minimum lot size, lot coverage, maximum building height and landscape requirements.

The PD rezone required by the alternate planning process requires CEQA review. A draft Mitigated Negative Declaration was prepared for this project. The following section provides additional discussion of the environmental review process.

The Planning Commission conducted a public hearing on this application on January 16, 2008. One member of the public spoke against the project. The Commission recommended City Council adoption of the Mitigated Negative Declaration, the Mitigation Monitoring and Reporting Program and the ordinance rezoning the property. The Commission's recommendations for the Master Plan are listed in this staff report at the end of the section entitled "Issue #4: Master Development Plan." Minutes from the Planning Commission meeting are included as Attachment "E".

ENVIRONMENTAL

A Draft Mitigated Negative Declaration (MND) with a Mitigation Monitoring and Reporting Program (MMRP) was prepared for the Deer Valley Estates project in conformance with the California Environmental Quality Act. The public review period of 30 days was from November 8, 2007 to December 7, 2007. The Planning Commission and City Council received the MND on November 14, 2007. No comments were received on the MND. The MMRP was prepared separately from the draft MND and is attached to this staff report for the Council's review and approval.

The MND determined that all potential environmental effects could be mitigated to a less-than-significant level. Refer to the MMRP (attached) for a complete list of all recommended mitigations.

Additional environmental review may be required for the Final Development Plan/Tentative Map submittal. The need for additional environmental review at subsequent entitlement stages will depend in part upon the lapse of time since certification of the MND for the PD rezone/MDP, any new information that may be available that might affect the conclusions contained in the MND, and the scope of any changes to either the project or parcels surrounding the project.

ANALYSIS

Issue #1: Project Overview

The proposed project is a single family subdivision consisting of 136 units and a 1.7 acre park. The project site is on the east side of Deer Valley Road, south of an existing residential subdivision and immediately north of the Kaiser Medical Facility. The property is relatively long and narrow and is crossed by large easements for a petroleum pipeline and two 72-inch storm drain lines. The project's main entrance is from Wellness Way, which is on the project's southern boundary. A second access is proposed from the north via Oneida Way.

Internal circulation would be provided by several roadways, three of which terminate in cul de sacs. Internal streets would be sufficiently wide to accommodate on-street parking and sidewalks on both sides. The stormwater drainage system would incorporate vegetated swales that would lead to two existing 72-inch storm mains. To reduce noise impacts, sound walls would be constructed along the property lines bordering Deer Valley Road and Wellness Way.

Issue #2: General Plan Consistency

The project site is located within the Sand Creek Focus Area as shown on the City of Antioch General Plan Land Use Map. Development in this area is intended to function as a large-scale planned community providing housing and employment opportunities within this region of the City. Because the previously prepared Specific Plan for the Focus Area was not adopted, the General Plan land use and policy guidelines govern uses on the project site.

The General Plan designates the project site as Low Density Residential, which allows 4 dwelling units per gross developable acre. Development under this designation is characterized by single-family homes in traditional subdivisions on lots ranging from 7,000 to 10,000 square feet.

The proposal for the project site would subdivide the 38-acre parcel into 136 lots ranging in size from 7,000 to 7,500 square feet with an average density of 3.6 dwelling units per acre. The proposed subdivision of the property and its use for a single-family development would be consistent with the General Plan designation for the site. One minor note is the fact that the General Plan range of lot sizes is between 7,000 and 10,000 square feet, which suggests that perhaps a mix of lot sizes was desired in this area, to provide more diversity in housing type. The proposed lot pattern would provide for essentially one type of housing product – standard-sized single family homes.

Issue #3: Zoning and Planned Development (PD) Standards

The project site is presently zoned Study District (S) on the City of Antioch Zoning Map, which is intended as an interim designation until all necessary detailed land use studies are completed for a given area.

The PD district allows site-specific development standards to be established for a given site. The chart below contains the proposed development standards for the Deer Valley Estates PD District. For comparison, the standards of the R-4 zone are included. As indicated in the chart, the proposed PD district would provide for a larger minimum lot size, slightly larger rear yard setbacks, more generous side yards on certain lots, and slightly lower structure height.

Development Standards for the Proposed Deer Valley Estates Planned Development District

Standard	Standard R-4 Zoning	Proposed PD Zoning
Maximum Density	4 dwelling units per gross developable acre	3.8 dwelling units per gross developable acre
Maximum Number of Units	143 units	136 units
Minimum Lot Size	6,000 sq. ft.	7,000 sq. ft.
Minimum Lot Width	Interior lot: 60 feet Corner lot: 65 feet	Same as R-4 zoning district.
Minimum Front Yard Setbacks	20 ft (reserved for landscaping only, excluding driveways)	At garage door: 20 feet At living space: 20 feet
Minimum Side Yard Setbacks	Interior lot: 5 feet Corner lot: 10 feet (reserved for landscaping only) For at least 25% of the lots in a given subdivision, one side yard of an interior lot shall be 10 feet in width and the other side yard can be five feet. The 10 foot side yard area shall remain as unrestricted open area. This shall also apply to 100% of the two-story single-family residential lots.	Same as R-4 zoning district.
Minimum Rear Yard Setbacks	20 feet	Interior lot: 25 feet Adjacent to Deer Valley Road / Wellness Way: 30 feet
Accessory Structure Setbacks	Interior lot: side yard and rear yard setback is zero (unless double frontage lot). Corner lot: street side yard is 20 feet and rear /interior side yard is zero Double frontage lot: 10-foot rear yard.	Same as R-4 zoning district.
Maximum Building Height	35 feet	32 feet
Maximum Lot Coverage	40%	Same as R-4 zoning district.
Parking and Driveways	20-foot setback to garage provides off-street parking (at least two spaces). One on-street parking space must be provided in front of each house (at least 20 feet of vertical curb with exceptions for cul de sacs).	Same as R-4 zoning district.

Standard	Standard R-4 Zoning	Proposed PD Zoning
Interior Roads	56-foot right of way 36 feet curb	Same as R-4 zoning district.
Cul de Sacs	45-foot radius per Fire District standards	Same as R-4 zoning district.
Wellness Way	88-foot right of way 68 feet curb to curb	Same as R-4 zoning district.
Landscape Requirements	30-foot landscaped setback on arterial street (Deer Valley Road)	35-foot landscaped setback on Deer Valley Road.

At the Planning Commission's public hearing the applicant requested that the maximum number of units (136) be stricken but the 4 units per gross developable acre remain. Under that density factor, 143 units could be built on the project. However the Planning Commission recommended that the 136 unit maximum remain. To enforce a cap of 136 units, the density factor would need to be reduced to 3.8 units per gross developable acre, slightly below but consistent with the General Plan designation for the site (Low Density Residential, up to 4 units per gross developable acre). The lower density would be in keeping with the Plan's vision that lot sizes in this area should range from 7,000 to 10,000 square feet. The proposed lots on the site currently range from 7,000 to 7,500 square feet.

The Council is requested to provide direction on whether the unit cap should remain at 136 with commensurate density at 3.8 units per gross developable acre, or whether the density factor should be up to 4 units per gross developable acreage, which increases the maximum number of units permitted on the site to 143.

The proposed development standards in the above chart will work in tandem with the City's Zoning Ordinance to regulate the type of development allowed on the site. The final development plan/tentative map will have to comply with the standards contained in the approved PD District for the project. Alternatively, the applicant will need to request a variance or request another rezone of the property. The proposed PD District standards in the chart have been incorporated into the Ordinance attached to this staff report.

Issue #4: Master Development Plan

Under the Sand Creek Focus Area, alternative planning process properties are required to subsequently submit a Final Development Plan/Tentative Map. The following paragraphs describe various aspects of the proposed Deer Valley Estates MDP for the applicant to consider when preparing subsequent applications.

Site Layout

The project layout is a typical suburban subdivision with homes facing each other along medium length residential streets. On the western portion of the project, three of the internal streets dead end into cul de sacs thereby providing minimal connectivity to the rest of the neighborhood or the park that is located in this portion of the project. The eastern portion of the project is divided into smaller

blocks that are partially laid out on a grid-type street pattern. This provides for greater connectivity between residences. However, the park's location in the far western portion of the project reduces its pedestrian accessibility from the eastern portion of the project. Consideration should be given to relocating the park to a more central location so that it is readily accessible by all residents of the project.

Homes backing up to Deer Valley and Wellness Way indicate rear yard setbacks varying from 15 to 43 feet. To offset potential noise impacts from these two roadways and to provide visual relief from the roadways, the lots and/or placement of homes would need to be revised to meet the minimum 35-foot setback stipulated in the Development Standard chart.

Several lots, particularly those along the northwest portion of the site, have pipeline easements in the backyard. This poses a public safety risk in staff's opinion. In many cases the homes are shown as built up to the easement line preventing certain rear yard improvements typically desired in a single family neighborhood, such as swimming pools and accessory structures. This situation impacts lots 27 through 31 most significantly. The easements are also located in other lots but they have more yard space free of easements to accommodate yard improvements. Staff recommends that the developer work with the City and the easement holder to address this issue. Alternatives include but are not limited to site plan modifications and pipeline relocation.

A soundwall is indicated on the southern property line between the developer's property and the Kaiser property. The project plans indicate that Kaiser is responsible for the cost and construction of 1,901 linear foot of this masonry soundwall. However, there were no requirements placed on the Kaiser project to build a masonry wall in this location. That aside, Kaiser has indicated a willingness to construct a portion of this wall adjacent to their developed property if future grading issues can be resolved to the City's satisfaction.

Architecture

The proposed project will consist of single and two-story dwellings; presently the conceptual plan indicates four different model types. Three of the model types have the garage fronting the street; one appears to locate it to the rear of the lot. The Design Review Board will review the architectural details of the project when the applicant submits the Final Development Plan/Tentative Map.

Regarding visual impacts of the project, the MND found that the project would not adversely affect public view corridors and that it would be similar in scale to existing residential development to the north. While some views of the surrounding foothills would be partially blocked by the project, views would still be possible from the roadway, resulting in a less-than-significant impact.

Landscaping

Per the MDP, the project entrance and internal roadways would be lined with street and accent trees, with additional landscaping at the entrance. A single row of trees is indicated along the entire perimeter of the site, with an expanded landscaped area along Deer Valley Road. The project will also include vegetated swales that will convey stormwater runoff in compliance with C3 requirements. The Design Review Board will evaluate the adequacy of the landscaping when it reviews the Final MDP and Tentative Map at a future date.

Parks

The project proposes to provide a 1.69 acre neighborhood park at the center of the western portion of the site. The park would include a circular pathway, trees and lawn areas. The applicant proposes to dedicate the park to the City; however it does not meet the minimum size for dedication. The park will, therefore, need to be maintained privately through a Homeowners Association or similar entity.

In addition to the construction of the proposed park, the developer will be responsible for payment of current park-in-lieu fees. Credit for a portion of those fees may be available, even though the park is privately maintained, as defined in the Municipal Code.

The following is a list of items that should be incorporated into the Final Development Plan/Tentative Map. The list is based on staff's assessment of the Master Development Plan and additional recommendations made by the Planning Commission at their January 16, 2008 hearing.

- The project's site plan should be rethought. It is disappointing and does not exhibit a lot of imagination.
- The lot design should contain more varied lots to eliminate the present 'cookie cutter' pattern.
- The lots should have varied setbacks so that the houses are staggered, versus the linear lineup now provided by the site layout.
- More diversity is needed in the housing product provided by the project.
- The project's internal circulation should be rethought. Traffic should be dispersed more evenly throughout the project, rather than funneling onto a few streets. The internal roadway system should reflect a more natural traffic calming design.
- The interior noise mitigation for future homeowners needs additional attention.
- The noise issues with the Kaiser Medical Facility must be addressed, but they should not be cause to preclude development of the site.

- The applicant must submit documentation confirming that outdoor ambient noise levels on the project site comply with the noise standards in the City's General Plan.
- The developer shall work with the City and the easement holder to address the public safety concerns associated with the petroleum pipeline easement.
- The landscaped setback on Deer Valley Road should be 35 feet to match the property and the setback to the north.
- The developer should provide a number of lots that can accommodate RV parking in excess of the minimum 25% required by Code.
- Payment of the pro-rata share of the Mello-Roos 89-1 fee for community parks, or payment of a proposed City Regional Park fee will be required.
- If an HOA is not implemented and the park is less than 5 acres, the park should be eliminated.
- If a park is provided, to facilitate pedestrian access by all project residents, it should be relocated to a more central location within the project.
- The project will be required to participate in the funding source for infrastructure serving the Sand Creek Focus Area.
- The project entrance on Wellness Way should be moved east to align with the Kaiser driveway.
- Dimensions for street sections/setbacks should be those that were developed for the FUA 1 Specific Plan.
- A hold harmless agreement regarding the former Antioch Fault line will be required, approved as to form by the City Attorney.
- The project must demonstrate compliance with the City's residential Design Guidelines, once they are adopted.
- The project shall provide a distinctive entry feature on Deer Valley Road.
- Crow and Miwok intersection as shown may not meet the project's PD standards.
- The signal at Wellness Way will need to be relocated to the curb returns constructed by this project.

Issue #5: Public Comments

The public review period for the Mitigated Negative Declaration was November 8, 2007 to December 7, 2007. No comments were received on the document.

Two letters were received from the public about the project itself (see attached). Staff comments on the two letters are provided below.

The first letter (from K. Jakabcin) poses several questions. The first raises concerns about whether the project should be built, given current market conditions. This is an economic decision the applicant will make and is not something the City evaluates or comments on. The second and third questions raise issues with internal and external circulation. At the meeting Ms. Jakabcin spoke and requested a copy of the displayed map. She also felt that a resolution could be reached between the City's Public Works and Engineering Departments regarding her concerns.

The second letter (from J. Cleese) identified a concern with noise emanating from the Kaiser facility and its impact on the project. The MND discussed potential impacts from stationary noise impacts (page 58 of the draft MND). To abate noise from the power generation facilities located on the northern portion of the Kaiser facility, Kaiser was required (by the EIR for that project) to ensure that the hourly average noise level during daytime (7:00 a.m. to 10:00 p.m.) was no higher than 50 dBA and during the nighttime (10:00 p.m. to 7:00 a.m.) was no higher than 45 dBA (Kaiser EIR Mitigation D-4). Kaiser constructed a sound wall around the central utilities plant to aid in meeting this mitigation requirement. The MND for the Deer Valley Estates project assumed that if this mitigation were correctly implemented, there would be no significant impacts on adjacent properties from stationary noise.

Mr. Cleese raises the possibility that the noise emanating from Kaiser might not be properly mitigated. Staff will investigate and address with Kaiser if appropriate.

ATTACHMENTS

A. Mitigation Monitoring and Reporting Program, dated December 2007
B. Comment letter from K. Jakabcin, December 5, 2007
C. Comment email from J. Cleese, December 11, 2007
D. Planning Process Chart
E. Planning Commission Meeting Minutes, January 16, 2008

RESOLUTION NO. 2008/**

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ANTIOCH ADOPTING THE DEER VALLEY ESTATES MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM FOR THE DEER VALLEY ESTATES PROJECT (APN 057-022-013)

WHEREAS, the City of Antioch did receive an application from Allied Investments for approval of a Master Development Plan to rezone 38 acres (APN 057-022-013), located on the east side of Deer Valley Road, directly north of the newly constructed Kaiser Medical Facility to the Planned Development District (PD) (MDP-06-02); and

WHEREAS, a Mitigated Negative Declaration was prepared in conformance with the California Environmental Quality Act, was duly circulated for purposes of public comment for a period of 30 days from November 8 to December 7, 2007, and a Mitigation Monitoring and Report Program was subsequently prepared and considered by the City Council on January 16, 2008; and

WHEREAS, this project is consistent with the City of Antioch General Plan and does not create additional impacts that were not evaluated in the Mitigated Negative Declaration prepared for the project; and

WHEREAS, on January 16, 2008, the Planning Commission held a duly noticed public hearing on the matter, received and considered evidence, both oral and documentary, and recommended City Council approval of the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program; and

WHEREAS, on February 26, 2008, the City Council held a duly noticed public hearing on the matter, and received and considered evidence, both oral and documentary; and

WHEREAS, the City Council of the City of Antioch finds that the Mitigated Negative Declaration and the Mitigation Monitoring and Reporting Program were prepared in conformance with the requirements of the California Environmental Quality Act, that all potential impacts were identified and mitigated to a less-than-significant-level, and that no public comments were received on the Mitigated Negative Declaration.

NOW THEREFORE BE IT RESOLVED that the City Council of the City of Antioch adopts the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Deer Valley Estates project (APN 057-022-013).

* * * * * * * *

I HEREBY CERTIFY that the foregoing resolution was passed and adopted by the City Council of the City of Antioch, at a regular meeting thereof, held on the 26th day of February 2008 by following vote:

AYES:

NOES:

ABSENT:

L. JOLENE MARTIN, City Clerk

ORDINANCE NO. ____

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ANTIOCH TO REZONE APPROXIMATELY 38 ACRES, COMPRISING THE DEER VALLEY ESTATES PROJECT SITE (APN 057-022-013), FROM STUDY ZONE (S) TO THE PLANNED DEVELOPMENT DISTRICT (PD)

The City Council of the City of Antioch does ordain as follows:

SECTION 1:

The City Council determined on February 26, 2008 that, pursuant to Section 15074 of the Guidelines of the California Environmental Quality Act, and after full consideration of the Initial Study prepared for the project, and on the basis of the whole record before it, the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Deer Valley Estates project should be adopted.

SECTION 2:

At its regular meeting of January 16, 2008, the Planning Commission recommended that the City Council adopt the Ordinance to rezone the subject property from Study Zone (S) to Planned Development District (PD).

SECTION 3:

The real property described in Exhibit A, attached hereto, is hereby rezoned from Study Zone (S) to Planned Development District (PD), and the zoning map is hereby amended accordingly.

SECTION 4:

The development standards, as defined below, for the subject property (APN 057-022-013), known as the Deer Valley Estates Project, are herein incorporated into this ordinance, and are binding upon said property.

Development Standards for the Deer Valley Estates Planned Development District

Standard	Planned Development District Requirement
Maximum Density	3.8 dwelling units per gross developable acre
Maximum Number of Units	Up to 136
Minimum Lot Size	7,000 sq. ft.
Minimum Lot Width	Interior lot: 60 feet Corner lot: 65 feet
Minimum Front Yard Setbacks	At garage door: 20 feet At living space: 20 feet
Minimum Side Yard Setbacks	Interior lot: 5 feet Corner lot: 10 feet (reserved for landscaping only) For at least 25% of the lots in a given subdivision, one side yard of an interior lot shall be 10 feet in width and the other side yard can be five feet. The 10 foot side yard area shall remain as unrestricted open area. This shall also apply to all two-story single-family residential lots.
Minimum Rear Yard Setbacks	Interior lot: 25 feet Adjacent to Deer Valley Road / Wellness Way: 30 feet
Accessory Structure Setbacks	Interior lot: side yard and rear yard setback is zero (unless double frontage lot). Corner lot: street side yard is 20 feet and rear /interior side yard is zero Double frontage lot: 10-foot rear yard.
Maximum Building Height	32 feet
Maximum Lot Coverage	40 %
Parking and Driveways	20-foot setback to garage provides off-street parking (at least two spaces). One on-street parking space must be provided in front of each house (at least 20 feet of vertical curb with exceptions for cul de sacs).
Interior Roads	56-foot right of way 36 feet curb
Cul de Sacs	45-foot radius per Fire District standards
Wellness Way	88-foot right of way 68 feet curb to curb
Landscape Requirements	35-foot landscaped setback on Deer Valley Road.

SECTION 5:

The City Council finds that the public necessity requires the proposed zone change, that the subject property is suitable to the use permitted in the proposed zone change that said permitted use is not detrimental to the surrounding property, and that the proposed zone change is in conformance with the Antioch General Plan.

SECTION 6:

This ordinance shall take effect and be enforced thirty (30) days from and after the date of its adoption and shall be published once within fifteen (15) days upon passage and adoption in a newspaper of general circulation printed and published in the City of Antioch.

* * * * * * *

I HEREBY CERTIFY that the foregoing ordinance was introduced at a regular meeting of the City Council of the City of Antioch, held on the 26th day of February and passed and adopted at a regular meeting thereof, held on the ____ day of _____, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Mayor of the City of Antioch

ATTEST:

_____
City Clerk of the City of Antioch

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EXHIBIT A
LEGAL DESCRIPTION

ATTACHMENT "A"

APPENDIX F

MITIGATION MONITORING AND REPORTING PROGRAM

MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program (MMRP) was formulated based on the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) prepared for the Deer Valley Estates Master Plan. This MMRP is in compliance with Section 15097 of the *CEQA Guidelines*, which requires that the Lead Agency "adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects." The MMRP lists mitigation measures recommended in the IS/MND and identifies mitigation monitoring requirements.

Table 1 presents the mitigation measures identified for the proposed project. Each mitigation measure is numbered according to the topical section to which it pertains in the IS/MND. As an example, Mitigation Measure AES-1 is the first mitigation measure identified in the IS/MND.

The column entitled "Mitigation Responsibility" identifies the party responsible for carrying out the required actions. The columns entitled "Monitoring/Reporting Agency and "Monitoring Schedule" identify the party ultimately responsible for ensuring that the mitigation measure is implemented and the approximate timeframe for the oversight agency to ensure implementation of the mitigation measure. The column entitled "Verification of Compliance" will be used by the lead agency to document the person who verified the implementation of the mitigation measure and the date on which this verification occurred.

Table V-1: Mitigation Monitoring and Reporting Program

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
I. Aesthetics				
AES-1: Outdoor lighting shall be designed to minimize glare and spillover to surrounding properties. The proposed project shall incorporate non-mirrored glass to minimize daylight glare.	Project Applicant	City of Antioch Community Development Department	Prior to issuance of a building permit	*Verified by:* *Date:*
II. Agricultural Resources				
No mitigation required				
III. Air Quality				
AIR-1: Consistent with guidance from the BAAQMD, the following measures shall be implemented on the project site during the construction period: • Water all active construction areas at least twice daily. • Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard. • Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas and staging areas at construction sites. • Sweep daily (preferably with water sweepers) all paved access roads, parking areas and staging areas at construction sites. • Sweep streets daily (preferably with water sweepers) if visible soil material is carried onto adjacent public streets.	Construction Manager	City of Antioch Public Works Department	During grading and construction activities	*Verified by:* *Date:*
IV. Biological Resources				
BIO-1a: Prior to issuance of grading or construction permits for the proposed project, a qualified biologist shall conduct protocol level surveys to determine the presence or absence of vernal pool fairy shrimp, vernal pool tadpole shrimp, and California tiger salamander on the project site. These surveys shall be conducted in consultation with the appropriate regulatory agencies to determine under what conditions surveys could occur. Some protocol level surveys may take up to two years to conduct. If these species are determined to be absent from the site, no further mitigation would be required. If suitable conditions do not exist for protocol level surveys prior to grading or construction activities, these species must be assumed present on the project site.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to issuance of a grading or construction permit	*Verified by:* *Date:*
BIO-1b: If vernal pool fairy shrimp and/or vernal pool tadpole shrimp are identified on the project site, or are assumed present due to the absence of protocol level surveys, the seasonal wetland located on the site shall be avoided. If the seasonal wetland is avoided, all development shall be setback at least 250-feet from the edges of the wetland. Siltation fencing should be erected between the wetland and the development area.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to issuance of a grading or construction permit	*Verified by:* *Date:*

E18A3

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
BIO-1c: If vernal pool fairy shrimp, vernal pool tadpole shrimp, or California tiger salamander are identified on the project site, or are assumed present due to the absence of protocol level surveys, and avoidance is not feasible, the project applicant shall mitigate for the loss of habitat. Authorized take permits may be required by the U.S. Fish and Wildlife Service for incidental take of individuals that may be present. If avoidance of the seasonal wetland is not feasible, the project applicant shall purchase lands at an approved off-site mitigation bank or other lands approved by the applicable resources agencies and the City of Antioch (e.g., in fee-title or through conservation easement). Mitigation would be required at a replacement to loss ratio of 2:1 and a creation to loss ratio of 1:1 (a total mitigation ratio of 3:1) for vernal pool fairy shrimp and/or vernal pool tadpole shrimp (these are standard mitigation ratios accepted by the U.S. Fish and Wildlife Service for impacts to these species). The project applicant shall preserve 0.74 acres of known vernal pool fairy shrimp and/or vernal pool tadpole shrimp habitat and create another 0.37 acres of suitable habitat for each species, as applicable. These acreages are based on an estimated 0.37 acres of seasonal wetland habitat located on the project site; verification of the correct acreage is required by Mitigation Measure BIO-5a. The Elsie Gridley Multi-Species Conservation Bank includes Antioch within its service area and offers preservation habitat for $140,000 per acre, and creation habitat for $165,000 per acre. Loss of California tiger salamander habitat should be mitigated at a 1:1 mitigation to loss ratio (38 acres) at a suitable site that is known to support a breeding population. Because the project site supports low value California tiger salamander habitat, purchasing high quality, known breeding habitat would duly compensate for the loss of low quality habitat, especially if the site acquired is either in fee-title or via a conservation easement that preserves and enhances breeding and estivation habitat or preserves and enhances suitable estivation habitat adjacent to a known, protected breeding site. Enhancement shall include a controlled grazing regime, limited public access, fencing, or other appropriate measure. The Elsie Gridley Multi-Species Conservation Bank offers California tiger salamander habitat for $8,500 per acre. These 38 acres may also accommodate the potential loss of burrowing owl and San Joaquin kit fox habitat, as applicable.	Project Applicant/ Project Biologist	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	Prior to issuance of a grading or construction permit	*Verified by:* *Date:*

E19A4

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
BIO-2a: Protocol level burrowing owl surveys shall be conducted during the height of the breeding season (April 15 to July 15) to determine the number of both individuals and breeding pairs present on the site. Preconstruction surveys shall also be conducted for burrowing owls prior to site preparation, grading, and construction. All surveys shall conform to the survey protocol established by the California Burrowing Owl Consortium.[1] Preconstruction surveys shall be conducted no more than 30 days prior to the initiation of construction activities and at 30-day intervals if construction activities have not been initiated in an area.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Protocol level surveys shall occur during the height of the breeding period (April 15 to July 15) Preconstruction surveys shall occur no more than 30 days prior to initiation of construction activities in any given area	*Verified by:* *Date:*
BIO-2b: For grading and construction activities occurring during the non-breeding season (September 1 through January 31), burrowing owls may be evicted from the entire construction area using passive relocation techniques. One-way doors shall be installed in all suitable burrows (approximately 4 inches in diameter), left in place for a minimum of 48 hours, and monitored daily to evaluate the exclusion of owls from burrows and to maintain the one-way doors in good repair. Burrows shall then be excavated, using hand tools. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Once excavation is completed and no owls remain on-site, burrows shall be refilled to prevent reoccupation, or the entire site shall be disced and managed until construction activities begin.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	During the non-breeding season (September 1 through January 31)	*Verified by:* *Date:*
BIO-2c: For grading and construction activities occurring during the breeding season (February 1 through August 31), a 75-meter (250-foot) radius circular buffer shall be erected around each active burrow and a qualified biologist shall monitor construction activities to ensure effectiveness of the buffer area for breeding activities. Construction-related activity (e.g., site grading, staking, surveying) shall not occur within the exclusion zone until the burrows are confirmed to be unoccupied and/or juveniles from the nest are foraging independently and capable of independent survival. Only biologists familiar with burrowing owl behavior shall be permitted to determine whether juveniles are capable of independent survival. Once the burrows are unoccupied or the young are capable of independent survival, passive relocation	Project Applicant/ Project Biologist/ Construction Manager	City of Antioch Community Development Department	During the breeding season (February 1 through August 31)	*Verified by:* *Date:*

[1] California Burrowing Owl Consortium, 1997. Burrowing Owl Survey Protocol and Mitigation Guidelines. Appendix B, pp. 171–177 in Lincer, J.L. and K. Steenhof, eds. The Burrowing Owl, Its Biology and Management; Including the Proceedings of the First International Burrowing Owl Symposium. Raptor Research Report No. 9.

E20 A5

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
BIO-2c *Continued* techniques (as described above in Mitigation Measure BIO-2a) shall be implemented to evict the owls from the burrows. Burrows shall be excavated, using hand tools, and re-filled to prevent reoccupation prior to allowing construction within the exclusion zone, or the site shall be disced. Sections of flexible plastic pipe shall also be inserted into burrows during excavation to maintain an escape route for any animals inside the burrow. Due to the density of the burrowing owl population on the project site, it is possible that construction activities may not be able to avoid active burrows; in this case, construction activities shall not be permitted during the breeding season.				
BIO-2d: Removal of burrowing owls at the project site shall conform to the requirements of CDFG's *Staff Report on Burrowing Owl Mitigation*.[2] This shall entail establishing 6.5 acres of suitable habitat for each individual or pair of burrowing owls displaced from the project site. This may be accomplished through the purchase of credits at an established mitigation bank approved for this species or preservation of grassland habitat (through conservation easement, fee-title, or other applicable measure) at another suitable location within eastern Contra Costa County that currently supports a burrowing owl population. Habitat used for burrowing owl mitigation may also accommodate the potential loss of estivation habitat for California tiger salamander and San Joaquin kit fox habitat, as applicable.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to issuance of a grading or construction permit	*Verified by:* *Date:*
BIO-3a: Pre-construction surveys for kit fox dens shall be conducted by a qualified biologist no less than 14 days or more than 30 days prior to any grading or construction activities on the project site. If an active den is detected within (or immediately adjacent to) the construction area, the U.S. Fish and Wildlife Service shall be immediately contacted to determine the best course of action. If no kit fox activity is detected, a written report shall be submitted to the U.S. Fish and Wildlife Service within 5 days of survey completion.	Project Applicant/ Project Biologist	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	No less than 14 days or more than 30 days prior to grading or construction activities	*Verified by:* *Date:*
BIO-3b: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall follow the U.S. Fish and Wildlife Service's *Standardized Recommendations for Protection of the Kit Fox Prior to or During Ground Disturbance* throughout the construction period. Specific measures are detailed in the Biological Evaluation prepared for the project site (see Appendix A).	Project Applicant/ Project Biologist/ Construction Manager	City of Antioch Community Development Department and U.S. Fish and Wildlife Service	During the construction period	*Verified by:* *Date:*

[2] California Department of Fish and Game (CDFG), 1995. Staff Report on Burrowing Owl Mitigation. California Department of Fish and Game. Sacramento, CA. 8 pp. October 17.

E21 A6

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
BIO-3c: If active dens are identified within (or immediately adjacent to) the construction area, the project applicant shall mitigate for the loss of San Joaquin Kit Fox habitat at a mitigation to loss ratio of 1:1 (38 acres). These 38 acres may also accommodate the potential loss of estivation habitat for California tiger salamander and burrowing owl habitat, as applicable.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to the issuance of grading or construction permits	*Verified by:* *Date:*
BIO-4. If mitigation lands are purchased through conservation easements or in fee-title, the project applicant shall implement the Resource Management Plan prepared for the proposed project.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to issuance of grading or construction permits	*Verified by:* *Date:*
BIO-5a: The project applicant shall conduct a formal wetland delineation to determine the extent of jurisdictional waters of the United States on the project site. Potential impacts to jurisdictional waters shall be avoided where feasible. The applicant shall submit the wetland delineation to the City of Antioch Community Development Department prior to the issuance of a grading permit.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to the issuance of a grading permit	*Verified by:* *Date:*
BIO-5b: The project applicant shall obtain the appropriate federal and State permits authorizing the fill of any jurisdictional wetlands identified on the project site. The applicant shall provide proof to the City of Antioch Community Development Department of compliance with the terms and conditions of any required permits prior to issuance of the grading permit. All work in jurisdictional areas shall be in compliance with the terms and conditions of the federal and State permits.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to the issuance of a grading permit	*Verified by:* *Date:*
BIO-5c: The project applicant shall preserve off-site seasonal wetlands at a mitigation-to-loss ratio of 1:1 (currently identified as approximately 0.37 acres), to mitigate for the loss of the seasonal wetland. The exact acreage shall be determined based on the final mapping results of the formal wetland delineation approved by the Corps. This may be accomplished through the purchase of credits at an established mitigation bank or preservation of seasonal wetland habitat (through conservation easement or other applicable measure) at another suitable location approved by the City of Antioch and the applicable resource agencies. Should the provision of off-site seasonal wetland habitat be required to mitigate the loss of special status species, a 2:1 or higher mitigation ratio may be required by the resource agencies. Preservation of 0.37 acres (or appropriate 1:1 ratio) or higher of off-site seasonal wetland habitat would off-set the loss of the seasonal wetland itself and no further mitigation would be required.	Project Applicant/ Project Biologist	City of Antioch Community Development Department	Prior to the issuance of a grading permit	*Verified by:* *Date:*

E22A

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
BIO-6: The 12 trees removed from the project site shall be replaced with 36 (a 3:1 mitigation to loss ratio) native trees indigenous to the region (e.g., native oaks adapted to the climate of Antioch). A 3:1 mitigation ratio is required to off-set the temporal loss of the mature trees. These trees shall be planted on-site using d-pots[3] from local stock. D-pots are recommended because smaller trees are more likely to establish a deep root system and out perform larger box trees. Replacement trees would require irrigation for 3 to 5 years to ensure an 80 percent survival rate. A landscape management plan shall be developed and shall specify when, where, and what trees are planted on-site, and how they would be cared for. The landscape management plan shall be submitted to the City for approval.	Project Applicant/ Project Landscape Architect	City of Antioch Community Development Department	Prior to final development plan approval	*Verified by:* *Date:*
V. Cultural Resources				
CULT-1: If deposits of prehistoric[4] or historic archeological materials are encountered during project activities, all work within 25 feet of the discovery shall be redirected and a qualified archeologist shall be contacted to assess the deposit finds and make recommendations. While deposits of prehistoric or historic archeological materials should be avoided by project activities, if the deposits cannot be avoided, they shall be evaluated for their California Register eligibility. If the deposits are not eligible for the California Register, avoidance is not necessary. If the deposits are eligible for the California Register, they shall be avoided. If avoidance is not feasible, project impacts shall be mitigated in accordance with the recommendations of the evaluating archaeologist and CEQA Guidelines Section 15126.4 (b)(3)(C), which requires implementation of a data recovery plan and avoidance of human remains. Upon completion of the archaeologist's assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the discovered archaeological materials. The report shall be submitted to the project applicant, the City of Antioch, and the Northwest Information Center (NWIC).	Project Applicant/ Construction Manager/ Qualified Archaeologist	City of Antioch Community Development Department	During all ground-disturbing activities and after resources are identified	*Verified by:* *Date:*

[3] A d-pot is a 2.5- to 3-inch diameter by 10- to 12-inch deep container (usually bound by plastic mesh) that houses the root system of sapling trees.

[4] Prehistoric materials include flaked-stone tools (e.g. projectile points, knives, choppers) or obsidian, chert, or quartzite toolmaking debris; culturally darkened soil (i.e., midden soil often containing heat affected rock, ash and charcoal, shellfish remains, and cultural materials); and stone milling equipment (e.g., mortars, pestles, handstones). Historical materials can include wood, stone, concrete, or adobe footings, walls and other structural remains; debris-filled wells or privies; and deposits of wood, glass, ceramics, and other refuse.

E23-18

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
CULT-2: If paleontological resources[5] are encountered during site preparation or grading activities, all work within 25 feet of the discovery shall be redirected until a qualified paleontologist has assessed the discoveries and made recommendations. If the paleontological resources are found to be significant, adverse effects to such resources shall be avoided by project activities. If project activities cannot avoid the resources, the adverse effects shall be mitigated. Mitigation shall include data recovery and analysis, preparation of a final report, and the formal transmission or delivery of any fossil material recovered to a paleontological repository, such as the University of California Museum of Paleontology (UCMP). Upon completion of project activities, a final report documenting methods and findings of the mitigation shall be prepared and submitted to the project applicant, the City of Antioch, and a suitable paleontological repository.	Project Applicant/ Construction Manager/ Qualified Paleontologist	City of Antioch Community Development Department	During all ground-disturbing activities and after resources are identified	*Verified by:* *Date:*
CULT-3: If human remains are encountered, work within 25 feet of the discovery shall be redirected and the Contra Costa County Coroner notified immediately. At the same time, an archaeologist shall be contacted to assess the situation and consult with the appropriate agencies. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Most Likely Descendant (MLD) to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods. Upon completion of the assessment, the archaeologist shall prepare a report documenting the methods and results, and provide recommendations for the treatment of the human remains and any associated cultural materials, as appropriate and in coordination with the recommendations of the MLD. The report shall be submitted to the project applicant, the City of Antioch, and the Northwest Information Center.	Project Applicant/ Construction Manager/ Qualified Archaeologist	City of Antioch Community Development Department and Contra Costa County Coroner	During ground disturbing activities and after resources are identified	*Verified by:* *Date:*

[5] Paleontological resources include fossil plants and animals, and evidence of past life such as trace fossils and tracks. Ancient marine sediments may contain invertebrate fossils such as snails, clam and oyster shells, sponges, and protozoa; and vertebrate fossils such as fish, whale, and sea lion bones. Vertebrate land mammals may include bones of mammoth, camel, saber tooth cat, horse, and bison. Paleontological resources may also include plant imprints, petrified wood, and animal tracks.

E24

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
VI. Geology and Soils				
GEO-1: Project design and construction shall be in conformance with, or exceed, current best standards for earthquake resistant construction in accordance with the California Building Code (Seismic Zone 4), applicable local codes, and in accordance with the generally accepted standards of geotechnical practice for seismic design in Northern California. In addition, project design shall follow the recommendations of a site-specific design level geotechnical investigation report to be prepared by a Certified Engineering Geologist or Geotechnical Engineer. The City Engineer shall approve all final design and engineering plans.	Project Applicant/ Project Geotechnical Engineer	City of Antioch Community Development Department	Prior to final development plan approval	*Verified by:* *Date:*
GEO-2: The applicant shall ensure that the requirements for worker health and safety as specified by the California Division of Occupational Safety and Health (DOSH) (which acts to protect workers from safety hazards through its California OSHA (Cal/OSHA)) are implemented. In particular, due to the caving proclivity of the soil types of the project site, shoring requirements for workers dealing with work in excavations, as specified in the California Code of Regulations, Title 8, Section 1540 et. al., Excavations, shall be observed.[6] This article applies to all open excavations made in the earth's surface (including trenches).	Project Applicant/ Construction Manager	City of Antioch Community Development Department	Prior to issuance of a grading permit and during the construction period	*Verified by:* *Date:*
GEO-3: The applicant shall incorporate all recommendations of a final site-specific design-level geotechnical investigation as prepared by a licensed Geotechnical Engineer and approved by the City of Antioch into all development plans submitted for the project, including recommendations for grading, placement of fill materials, pretreatment of expansive soils, and avoidance of settlement and/or differential settlement of infrastructure and buildings.	Project Applicant/ Project Geotechnical Engineer	City of Antioch Community Development Department	Prior to final development plan approval	*Verified by:* *Date:*
GEO-4: Implement the recommendations in the geotechnical report related to demolition/clearing, grading, drainage, foundations, post-tensioned slab foundation, concrete flatwork, and retaining walls.	Project Applicant/ Construction Manager	City of Antioch Community Development Department	Prior to issuance of a grading permit and during the construction period	*Verified by:* *Date:*

[6] Title 8, California Code of Regulations, Sections 1539-1543. Website: www.dir.ca.gov/Title8/sub4.html.

E25 A10

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
VII. Hazards and Hazardous Materials				
HAZ-1: Prior to the issuance of grading or construction permits for the project site, a qualified environmental professional shall conduct an environmental investigation at the project site in accordance with California Department of Toxic Substances Control (DTSC) Interim Guidance for Sampling Former Agricultural Fields (Interim Guidance).[7] As specified in the Interim Guidance, any detected organic compounds or metals above naturally-occurring concentrations must be evaluated in a risk assessment, and additional remedial action such as soils removal may be required, depending on the results of the environmental investigation and risk assessment. The investigation report and certification that required further actions have been completed shall be submitted to the City of Antioch for review and approval.	Project Applicant/ Qualified Environmental Professional	City of Antioch Community Development Department	Prior to issuance of grading or construction permits	*Verified by:* *Date:*
HAZ-2: Prior to the issuance of grading or construction permits for the project site, a Construction Risk Management Plan (CRMP) should be prepared to address potential hazardous material issues during construction of the project. The CRMP should include any available data from sampling conducted for the project, including the sampling specified in Mitigation Measure HAZ-1. The CRMP shall include provisions to protect construction workers and the nearby public from health risks from pipeline hazards and potential historic releases associated with oil and natural gas production in the project vicinity. The CRMP shall incorporate Best Practices defined by the Common Ground Alliance[8] to protect construction worker safety and prevent accidental releases from oil and natural gas pipelines. The CRMP shall also require site inspections during initial grading activities at the site; provide procedures to be undertaken in the event that previously unreported petroleum contamination or subsurface hazards are discovered during construction; incorporate construction safety measures for excavation and other construction activities; establish detailed procedures for the safe storage, stockpiling, use, and disposal of hazardous materials at the project site; provide emergency response procedures; and designate personnel responsible for implementation of the CRMP. The CRMP shall be submitted to the City of Antioch for review and approval.	Project Applicant/ Qualified Environmental Professional	City of Antioch Community Development Department	Prior to issuance of grading or construction permit	*Verified by:* *Date:*
VIII. Hydrology and Water Quality				
HYD-1: The project proponent shall prepare a SWPPP designed to reduce potential impacts to surface water quality through the project construction period. The SWPPP must be maintained on-site and made available to City inspectors and/or RWQCB staff upon request. The SWPPP shall include specific and detailed BMPs designed to mitigate construction-related pollutants. At minimum, BMPs shall include practices to minimize the contact of	Project Applicant/ Construction Manager	City of Antioch Community Development Department	Prior to approval of the grading plan	*Verified by:* *Date:*

[7] Department of Toxic Substances Control, 2002. Interim Guidance for Sampling Agricultural Fields for School Sites (Second Revision). August 26.

[8] Common Ground Alliance (CGA), 2004. Best Practices, Version 2.0. December.

E26 A11

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
HYD-1 *Continued* construction materials, equipment, and maintenance supplies (e.g., fuels, lubricants, paints, solvents, adhesives) with stormwater. The SWPPP shall specify properly designed centralized storage areas that keep these materials out of the rain. An important component of the stormwater quality protection effort is the knowledge of the site supervisors and workers. To educate on-site personnel and maintain awareness of the importance of stormwater quality protection, site supervisors shall conduct regular tailgate meetings to discuss pollution prevention. The frequency of the meetings and required personnel attendance list shall be specified in the SWPPP. The SWPPP shall specify a monitoring program to be implemented by the construction site supervisor, which must include both dry and wet weather inspections. RWQCB and /or City personnel, who may make unannounced site inspections, are empowered to levy considerable fines if it is determined that the SWPPP has not been properly prepared and implemented. BMPs designed to reduce erosion of exposed soil may include, but are not limited to: soil stabilization controls, watering for dust control, perimeter silt fences, placement of hay bales, and sediment basins. The potential for erosion is generally increased if grading is performed during the rainy season as disturbed soil can be exposed to rainfall and storm runoff. If grading must be conducted during the rainy season, the primary BMPs selected shall focus on erosion control; that is, keeping sediment on the site. End-of-pipe sediment control measures (e.g., basins and traps) shall be used only as secondary measures. Entry and egress from the construction site shall be carefully controlled to minimize off-site tracking of sediment. Vehicle and equipment wash-down facilities shall be designed to be accessible and functional during both dry and wet conditions. The City of Antioch Community Development Department shall review and approve the SWPPP prior to approval of the grading plan.				
HYD-1b: The project applicant shall design Best Management Practices into the project to reduce potential impacts to surface water quality associated with operation of the project. These features shall be included in the final development drawings. Specifically, the final design shall include measures designed to mitigate potential water quality degradation of runoff from all portions of the completed development, and to detain and treat 75 percent of the runoff from a major storm event. The design team for the development project shall review and incorporate as many concepts as practicable from *Start at the Source, Design Guidance Manual for Stormwater Quality Protection.*[9]	Project Applicant/ Project Engineer	City of Antioch Community Development Department	Prior to final development plan approval	*Verified by:* *Date:*

[9] Bay Area Stormwater Management Agencies Association, 1999. *Start at the Source, Design Guidance Manual for Stormwater Quality Protection.*

E27 A12

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
HYD-2: The City of Antioch Community Development Department shall review and approve the design-level stormwater control plan prior to approval of the grading plan. If it is determined by the City that the stormwater control plan for the proposed project does not include adequate measures to treat runoff to the maximum extent practicable in compliance with the County NPDES permit, then the applicant shall work closely with the City to revise the stormwater control plan so the Maximum Extent Practical (MEP) requirement is achieved.	Project Applicant/ Project Engineer	City of Antioch Community Development Department	Prior to approval of the final grading plan	*Verified by:* *Date:*
HYD-3: As a condition of approval of the final grading and drainage plans for the project, the project applicant shall demonstrate through detailed hydraulic analysis that implementation of the proposed drainage plans will not create potential hydromodification impacts downstream by implementing the following: The project applicant's licensed professional engineer shall work cooperatively with the City of Antioch and the RWQCB to incorporate BMPs into the final drainage plan that will result in a post-project runoff curve (i.e., storm water flow/duration graphs) that closely resembles the pre-project curve; Include drainage components that are designed in compliance with City of Antioch standards. The grading and drainage plans shall be reviewed for compliance with these requirements by the City of Antioch; and The project applicant shall establish a self-perpetuating drainage system maintenance program (to be managed by a homeowners association or similar entity) that includes annual inspections of detention basins, sedimentation basins, drainage ditches, swales, and drainage inlets. Any accumulation of sediment or other debris shall be promptly removed and necessary maintenance to insure continued efficient operation shall be performed.	Project Applicant/ Project Hydrologist	City of Antioch Community Development Department	Prior to approval of the final grading and drainage plans	*Verified by:* *Date:*
HYD-4: The project applicant's licensed professional engineer shall analyze the potential for the project to contribute to downstream flooding impacts. The final drainage plan shall include a design that, when implemented, would not increase peak flows or exacerbate downstream flooding. Properly implemented hydrograph modification mitigation (required under Mitigation Measure HYD-3) will also mitigate the potential for impacting downstream flooding impacts.	Project Applicant/ Project Hydrologist	City of Antioch Community Development Department	Prior to approval of the final drainage plan	*Verified by:* *Date:*
HYD-5: As required by Ordinance 90-74, the applicant shall contribute to the construction and maintenance of regional drainage infrastructure by paying applicable fees associated with the amount of new impervious cover proposed by the project.	Project Applicant	City of Antioch Community Development Department	Prior to issuance of a grading permit	*Verified by:* *Date:*
IX. Land Use And Planning				
No mitigation required				
X. Mineral Resources				
No mitigation required				

E28 A13

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
XI. Noise				
NOISE-1a: The construction contractor shall limit all noise producing construction related activities, including haul truck deliveries or warming up and idling of heavy construction equipment, to the hours of 8:00 a.m. to 5:00 p.m. on weekdays. No construction shall be allowed on weekends and public holidays.	Project Applicant/ Construction Manager	City of Antioch Community Development Department	During the construction period	*Verified by:* *Date:*
NOISE-1b: During all project site excavation and on-site grading, the construction contractor shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers consistent with manufacturers' standards.	Project Applicant/ Construction Manager	City of Antioch Community Development Department	During excavation and grading activities	*Verified by:* *Date:*
NOISE-1c: The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site.	Project Applicant/ Construction Manager	City of Antioch Community Development Department	During grading and construction activities	*Verified by:* *Date:*
NOISE-1d: The construction contractor shall locate equipment staging in areas that will create the greatest possible distance between construction-related noise sources and noise-sensitive receptors nearest the project site during all project construction.	Project Applicant/ Construction Manager	City of Antioch Community Development Department	During grading and construction activities	*Verified by:* *Date:*
NOISE-1e: The construction contractor shall use temporary noise attenuation fences at least 6 feet in height to protect all sensitive receptors along the project site's northern property line that are not currently protected by a sound wall of at least 6 feet in height. Noise attenuation fencing shall consist of a solid, continuous fence (with no horizontal or vertical gaps) at least 6 feet in height and of equivalent mass as that of solid wood fencing boards (e.g., made of plywood of at least ¾ inch thickness).	Project Applicant/ Construction Manager	City of Antioch Community Development Department	Prior to and during grading and construction activities	*Verified by:* *Date:*
NOISE-2a: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall be constructed along the project property line bordering Deer Valley Road. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.	Project Applicant/ Project Engineer	City of Antioch Community Development Department	Prior to issuance of an occupancy permit	*Verified by:* *Date:*
NOISE-2b: A sound wall a minimum of 6 feet in height (measured above the finished roadway elevation) shall also be constructed along the project property line bordering Wellness Way. The sound wall must be constructed without gaps (including at the bottom) and must be at least 1 inch thick and have equivalent mass to that of solid wood fencing boards.	Project Applicant/ Project Engineer	City of Antioch Community Development Department	Prior to issuance of an occupancy permit	*Verified by:* *Date:*
XII. Population And Housing				
No mitigation required				
XII. Public Services				
No mitigation required				

E29 A14

Table 1 *continued*

Mitigation Measures	Mitigation Responsibility	Monitoring/ Reporting Agency	Monitoring Schedule	Verification of Compliance
XIII. Recreation				
No mitigation required				
XV. Traffic				
TRANS-1: The Deer Valley Road/Lone Tree Way intersection should be re-striped to a through-shared right-turn lane. Because the proposed project does not itself trigger the impact, but adds to the eastbound right queue, the project applicant shall pay a pro-rata fair-share cost of intersection improvements.	Project Applicant/ City of Antioch	City of Antioch Community Development Department	Prior to issuance of an occupancy permit	*Verified by:* *Date:*
TRANS-2: The Deer Valley Road/Prewett Ranch Drive southbound left-turn lane should be extended an additional 50 feet to a total length of 190 feet plus 120 feet of the deceleration and taper. The project applicant shall be responsible for the full cost of the modification to the intersection. This intersection improvement shall be completed prior to occupation of the proposed project.	Project Applicant/ City of Antioch	City of Antioch Community Development Department	Prior to issuance of an occupancy permit	*Verified by:* *Date:*
XVI. Utilities And Services				
No mitigation required				

E30 A15

ATTACHMENT "B"

RECEIVED
DEC 05 2007
CITY OF ANTIOCH
COMMUNITY DEVELOPMENT

5425 Piute Way
Antioch, CA. 94531

December 5, 2007

Planning Commission
City Hall
3rd & H Streets
Antioch, CA. 94509

Dear Sir,

Please read this 2-page letter into the minutes originally scheduled for the meeting @ 7:30pm this evening.

This is to put the City of Antioch on notice that I am against the Master Development Plan submitted in regards to MDP-06-02 – Deer Valley Estates for the following reasons:

1. I received conflicting information from your office just last week stating that the meeting scheduled for tonight has been moved to December 19, 2007, although your contact person Alexis Morris could not confirm this. If this meeting has been re-scheduled without notification to the existing residents, I would ask that it be held over until January 2008, allowing us to enjoy the holiday season which is upon us. If you truly engage the community's comments, then this issue should be postponed.

2. The first point to be made is why are we building another 135 homes, when our economy is at its worse state in years, that the foreclosure rate in Antioch is the largest in Contra Costa County, while there are many homes already available for purchase???

The foreclosures and state of our current economy has caused our home values to drop considerably in the past year. Adding 135 additional homes at this time would only cause our values to further decline. This land is not being wasted as it can still be used for grazing purposes, until a more appropriate time, where it is reasonably to build out.

3. I would like you to comment on the map of our existing neighborhood. You can see that there are 3 dead-ends in our neighborhood: Piute Way, Mojave Way & Oneida Way. To be fair to all existing residents, this future traffic should be spread evenly throughout our neighborhood and that requires opening up these three thoroughfares already in existence to this new neighborhood. On your map, you are planning to only build out Piute Way & Oneida, which will cause most of the traffic to head my way. Since my street is closest to the Diablo Vista Elementary School & Deer Valley High School, these new residents will be driving day and night on my street to drop off and pick up their kids, going to the grocery store, etc. This could be in excess of 270 cars per day, which allots for 2 cars per household and that's only 1 trip per day. So I'm asking that all thoroughfares in existence be built out to absorb the traffic and pollution equally.

4. Towards the South side of this proposed development, you only have one street dumping onto Wellness Way. Again, there needs to be multiple streets accessing Wellness Way to encourage people to avoid congesting our current neighborhood. Just because Kaiser built out this street doesn't mean that the citizens of this city cannot have access to it. The City approved the extension of this street, Wellness Way, knowing that another development would be built out someday. The developer can redesign their plans by taking out 3 homes to accommodate my suggestions. I have submitted two plans of my own to show how this could be done. We want our voices heard about the changes requested and want to be involved.

5. I do not like the tree barriers being suggested. Barriers are used to keep the traffic flowing. I would like to see stop signs, so people have to actually stop. There are too many kids located @ the end of Piute Way who play in the street and if these cars are not required to stop, someone could get severely hurt. If stop signs are not possible, then I would suggest "speed humps" as used throughout Brentwood. You have permission to put one in front of my house if this helps.

I can be reached anytime @ (925) 623-4336.

Thank you for your time.

Sincerely,

Kathy Jakabcin

SUGGESTED PLAN #1

136

14,000

7,000 +

A: STOP SIGNS

MASTER DEVELOPMENT PLAN AND PLANNED DEVELOPMENT REZONE

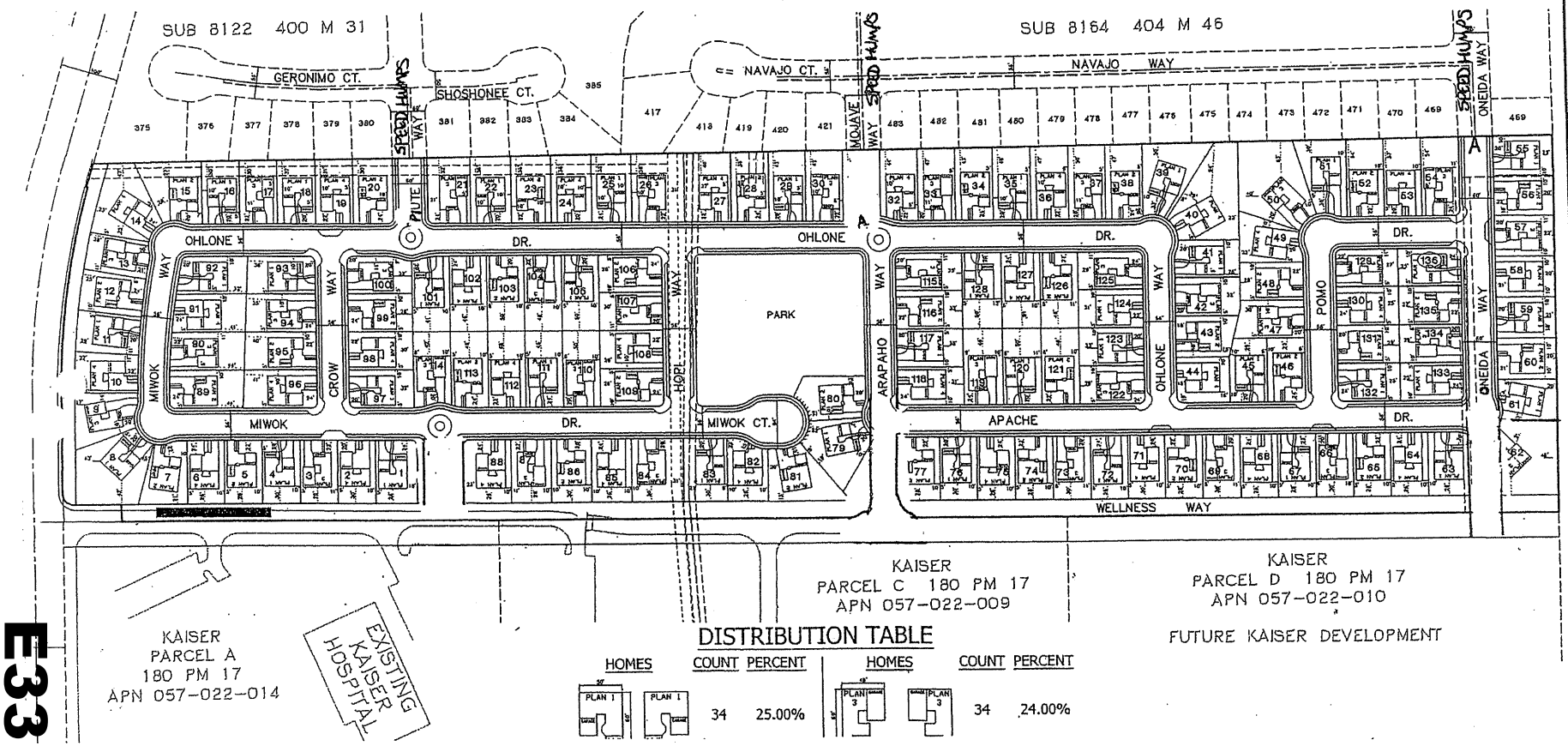
SUBDIVISION 9146

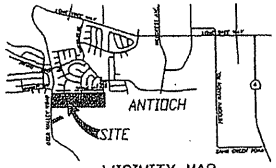
CITY OF ANTIOCH

SCALE: 1"=100' AUGUST, 2006

DEER VALLEY ESTATES

PARCEL A (139 PM 30)





DISTRIBUTION TABLE

HOMES	COUNT	PERCENT	HOMES	COUNT	PERCENT
PLAN 1	34	25.00%	PLAN 3	34	24.00%

VELOPMENT PLAN AND PLANNED DEVELOPMENT REZONE (SUB 9146) 08-30-2006

E33

B3

SUGGESTED PLAN #2

MASTER DEVELOPMENT PLAN AND PLANNED DEVELOPMENT REZONE

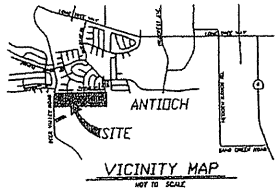
SUBDIVISION 9146

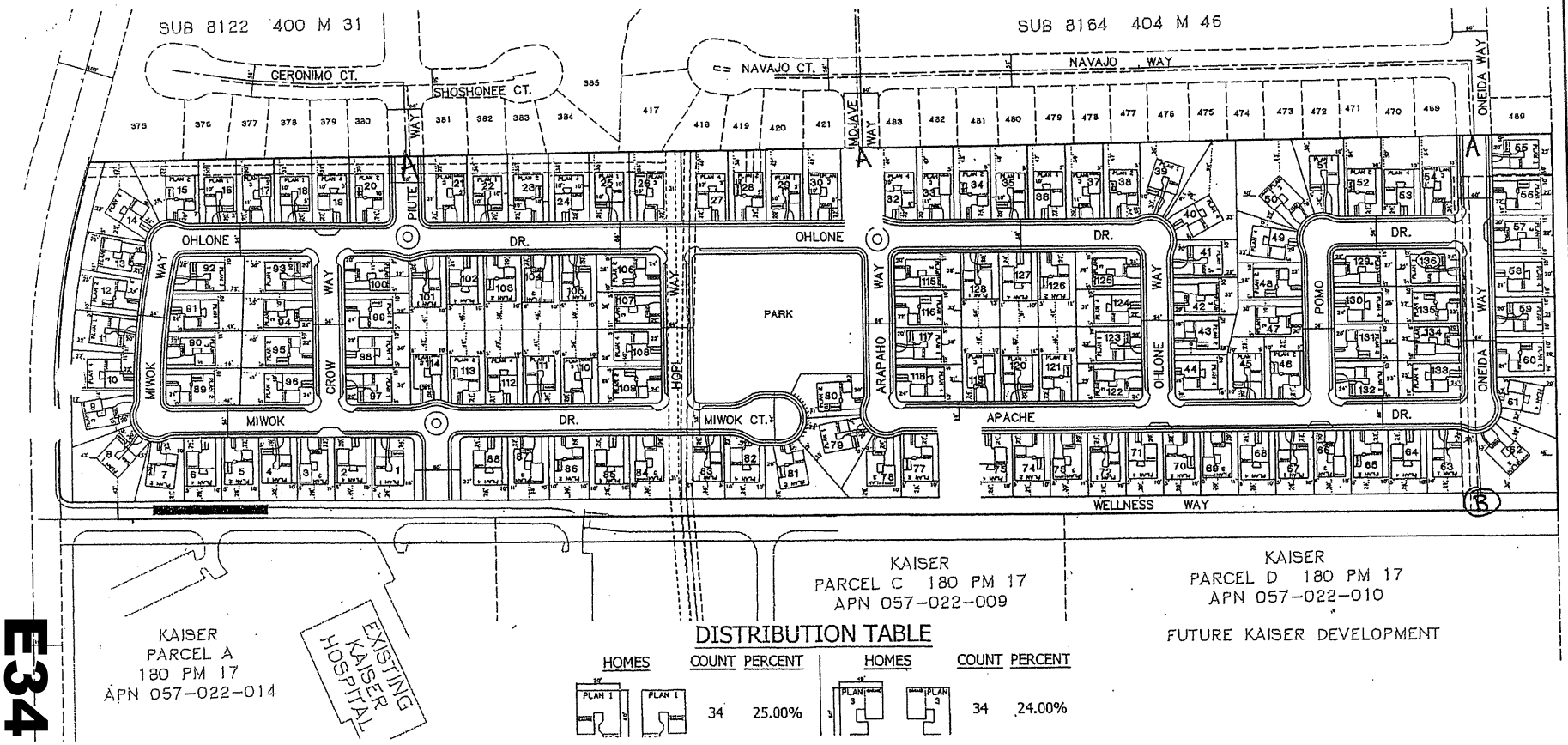
CITY OF ANTIOCH

SCALE: 1"=100' AUGUST, 2006

DEER VALLEY ESTATES

PARCEL A (139 PM 30)





KAISER
PARCEL A
180 PM 17
APN 057-022-014

EXISTING KAISER HOSPITAL

KAISER
PARCEL C 180 PM 17
APN 057-022-009

KAISER
PARCEL D 180 PM 17
APN 057-022-010

FUTURE KAISER DEVELOPMENT

DISTRIBUTION TABLE

HOMES	COUNT	PERCENT	HOMES	COUNT	PERCENT
PLAN 1 / PLAN 1	34	25.00%	PLAN 3 / PLAN 3	34	24.00%

136

14,000

7,000 +

A: STOP SIGNS OR SPEED HUMPS ON EXISTING ST. PIUTE WY MOJAVE WY. ONEIDA WY.

(B) CONSIDER OPENING UP ONEIDA TO WELLNESS WY. TO HELP ELEVIATE TRAFFIC IN NEIGHBORHOOD

VELOPMENT PLAN AND PLANNED DEVELOPMENT REZONE (SUB 9146) 08-30-2006

E34

134

ATTACHMENT "C"

To: Alexis Morris - City of Antioch, Department of Community Development
From: Jim Cleese - Resident of the City of Antioch
RE: Deer Valley Estates Project MDP-06-02
Date: December 10, 2007

Hi Alexis,

I am writing as a follow-up to our meeting and review on Monday 12/3/2007 of the new Deer Valley Estates construction project #MDP-06-02 which is currently in the planning phase. I had received the Notice of Public Hearing in my mail earlier and the notice provided me the opportunity to respond with any concerns.

The new Kaiser Hospital on Deer Valley Road is now up and in operation as of November 7, 2007. I have been aware of the construction of this new hospital since its beginning, since it is located on property about 1500 feet south of my residence. Over the past 6 months or more, at certain times I have noticed, and my neighbors adjacent to me have noticed, a very distinct and loud medium-to high-pitch tone that I believe originates from the hospitals HVAC (heating/air conditioning/ventilation system), most likely from the Northeast roof area of the hospital buildings. In the 2-3 months prior to the official opening of the hospital, the tone was very noticeable, and seemed to be coming from the facility many (but not totally all) days and hours, including nights and weekends. It seemed that the tone would be part of the regular operation of the hospital, probably depending of the air processing requirements of the facility at any given time. I and a few of my neighbors realized that if the tone would be a permanent part of operation of the hospital then something would likely need to be done to reduce the level of noise that we receive here in our neighborhood. The tone is of a pitch and frequency that it permeates through walls and structures easily, and through the backyards and even front yards of the neighborhood. It is a constant tone, and something that becomes irritating almost immediately when present, especially when it permeates into the household with all doors and windows closed.

My immediate concern is the noise (tone) from Kaiser. I have already been in contact in September and October 2007 with various representatives of Kaiser to discuss the situation, with the hope that a plan can be developed and implemented to reduce the noise. Since my discussions in September and October I have noticed that Kaiser has been running the facility in a manner that seems to reduce the tone and amount of noise coming from the HVAC systems. This appears to be helpful as a near-term solution, if indeed that is the case. It could be possible that the load on the HVAC system is reduced during winter months. I am definitely worried that when the warmer weather comes starting in about March April May June etc that the load will be much higher on the Kaiser HVAC systems and then the noise and tone will then become much louder and more of an immediate real issue. Also, when the warm weather is here everyone in the neighborhood likely will be leaving their windows and doors open.

The concern for the construction project of new homes close to Kaiser is of course that the new homes will be exposed to any Kaiser HVAC noise if nothing is done to change the situation. For me, and my neighbors, if new homes are constructed between us and the hospital, it may actually be better for us, as the new homes may insulate us from the sound. I realize that construction of the new homes will probably not happen for over a year, which provides some time for this situation to be addressed. For myself and my neighbors, though, we still have an immediate concern, especially as the new year starts, that as the warmer weather comes we will be forced to deal with finding a solution to the tone/noise coming from the Kaiser facility.

In the mean time I will be continuing my inquiries and discussions with all available parties to see how we all can work together on this issue as we move forward.

Below I am including the names and contact information for two of the persons that I have spoken with to-date regarding the Kaiser noise issue.

(Mr. Wetter below had mentioned in October 2007 that he believes that the City of Antioch Community Development Departments Mr. Joseph Brandt was also already aware of the Kaiser noise situation).

Mr. Ronald A. Wetter
Community & Government Relations Manager
Diablo Service Area
Kaiser Foundation Health Plan, Inc.
200 Muir Road, Hacienda Building
Martinez, CA 94553
(925) 372-1475
Ronald.Wetter@kp.org

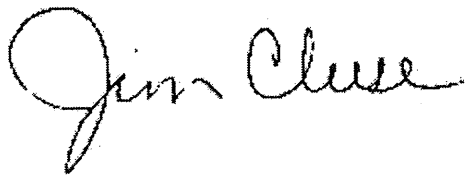
Kathy Villavicencio
Project Manager
NFS Capital Projects, Antioch Team
Kaiser Foundation Health Plan, Inc.
5601 Deer Valley Road
Antioch, CA 94531
(925) 813-6604
Kathy.Villavicencio@kp.org

Thank you so much for spending time with me on 12/3/2007 to review the construction plans for the new Deer Valley Estates housing project.

Please include a copy of this memo as part of the review record for this project #MDP-06-02.

You may contact me at any time if there are any questions.

Regards,
Jim Cleese



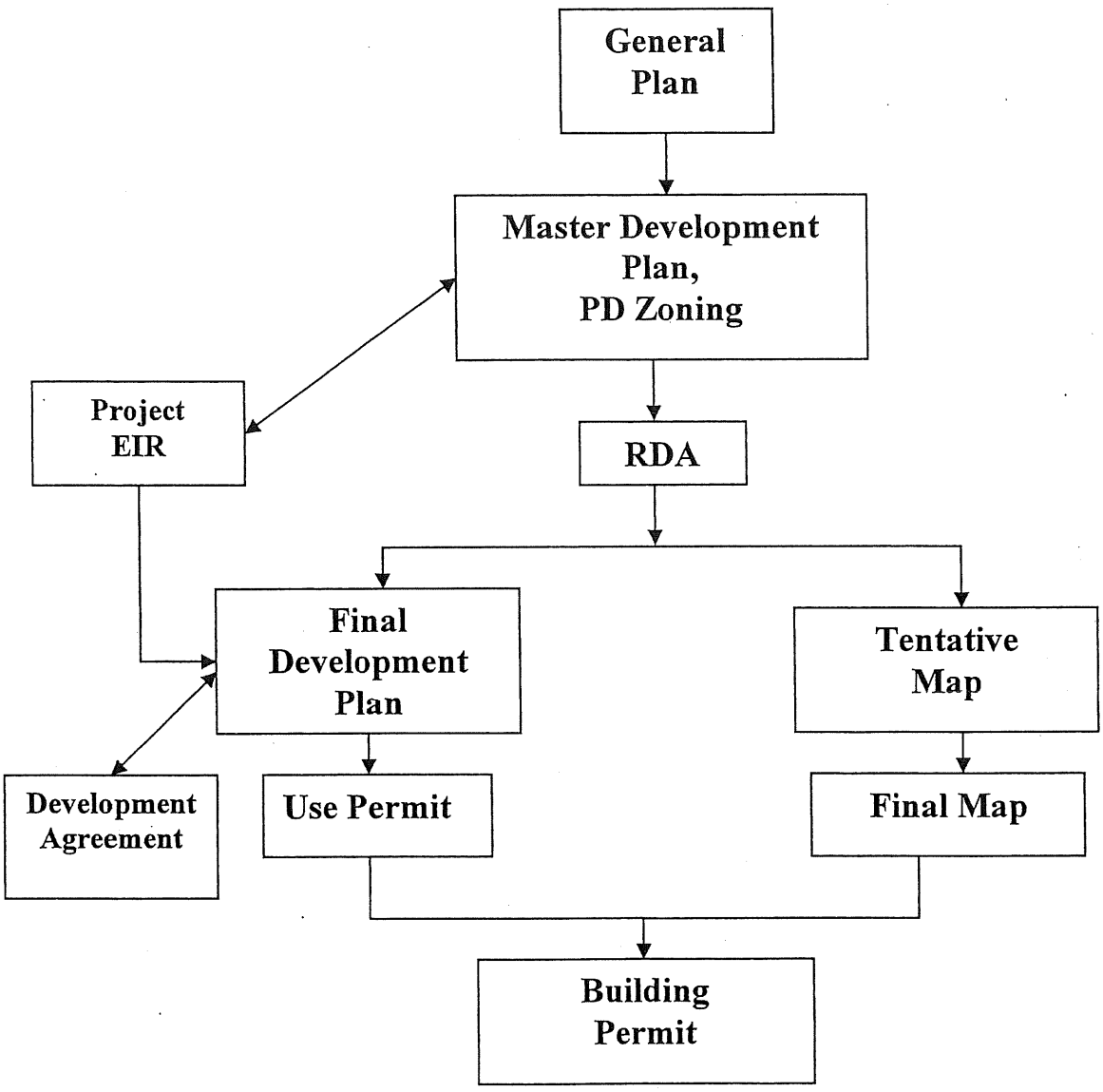
5419 Navajo Ct
Antioch, CA 94531
1-408-472-8632 Cell #
jcleese@comcast.net

- End -

ATTACHMENT "D"

ATTACHMENT A

Sand Creek Focus Area
Entitlement Process



END OF CONSENT CALENDAR

CONTINUED PUBLIC HEARINGS

2. **UP-07-16 – In Shape Health Club Exterior Pool Features – In Shape Health Club, Inc., requests approval of a Use Permit to install three exterior water features including two pool slides and a spray fountain at the existing health club. The project is located at 4065 Lone Tree Way (APN 072-012-212).**

Item No. 2 was pulled from the agenda and will be re-noticed when the applicant resubmits.

3. **MDP-06-02 – Deer Valley Estates – Allied Investments requests review of a Master Development Plan and a Planned Development Rezone for a 136 unit single family home subdivision on an approximately 38 acre parcel. The project site is located in the southern portion of the City of Antioch and is bounded by Deer Valley Road to the west and Wellness Way and the Kaiser Hospital medical facilities to the south.**

Planning Consultant Gillarde provided an overview of the Staff Report dated January 11, 2008, and referred to a displayed wall map that depicted the proposed project site. She further noted that the applicant has requested that a change be made to the Development Standards on page 4 of the Staff Report and that the maximum number of units of "Up to 136" be stricken. Staff has agreed with this request given that the density would remain at four dwelling units per acre, which is consistent with the General Plan.

OPENED PUBLIC HEARING

Paul Lopez, Allied Investments, representing the Applicant, stated that he agreed with staff and the Staff Report, in regards to the recommendations and changes that have been made. He further stated that the applicant would conform to City Standards, in terms of the streetscape, and that discussions are ongoing with the holder of the pipeline easement regarding its relocation. He requested that he reserve the right to address this issue at a later date, if discussions fail, but felt the applicant was on the correct path to having this issue resolved.

In responding to Commissioner Westerman regarding the storm drain, Mr. Lopez stated that the pipeline is already in place and is designed to meet the setbacks required by the City, with respect to gaining access to the storm drain, as well as street maintenance. Commissioner Westerman clarified that his main concern was to address the petroleum pipelines.

In response to Commissioner Brandt, Mr. Lopez stated that the applicant preferred not to have a Homeowner's Association (HOA), but this issue is being investigated and the applicant will do his due diligence to minimize the costs to the homeowners if an HOA is applied to the project. Commissioner Brandt felt this was important, in terms of the park. The applicant further addressed noise mitigation measures, in terms of daily hospital related noises, and noted that he was currently in discussions with Kaiser regarding the sound wall and would submit a copy of the agreement at the time an agreement is reached.

Commissioner Azevedo wanted to ensure that RV parking is addressed due to the recent City Ordinance passed by the City Council.

Kathy Jakabcin, resident, referred to her letter that was addressed and included within the Staff Report, dated December 5, 2007. She requested a copy of the displayed map and felt that a resolution could be reached between the City's Public Works and Engineering Departments regarding her concerns.

CLOSED PUBLIC HEARING

Commissioner Trail expressed a concern to the project being too close in proximity to the hospital, in terms of noise and activity and stated that she was not inclined to support the project.

Commissioner Brandt made the following comments on the Master Development Plan:

- The interior noise mitigation for future homeowners needed additional attention.
- The lot design should contain more varied lots to eliminate the present 'cookie cutter' pattern.
- The RV parking issue must be addressed.
- The landscaped setback on Deer Valley Road should be 35 feet to match the property and the setback to the north.
- If an HOA is not implemented and the park is less than 5 acres, the park should be eliminated.
- If the pipeline is not relocated, Lot Nos. 27-31 should be reconfigured to provide homeowners with the ability to construct a usable backyard.
- The project's internal circulation should be rethought; traffic should be dispersed more evenly throughout the project, rather than funneling onto a few streets.

Commissioner Azevedo made the following comments on the Master Development Plan:

- The project's site plan is disappointing and does not exhibit a lot of imagination.
- More diversity is needed in the housing product provided by the project.
- The lots should have varied setbacks so that the houses are staggered, versus the linear lineup now provided by the site layout.

- The roadway should be constructed to reflect a more natural traffic calming design.

Chairman Travers referred to a letter contained within the Staff Report from Mr. and Mrs. Cleese. He also made the following comments on the Master Development Plan:

- The setbacks for, and articulation of, the units should be staggered.
- If the pipeline remains, adequate easements for Lot Nos. 27-31 must be provided, as the backyards as proposed are useable. The easement cou ld be configured as a greenway.
- The noise issues with the Kaiser Medical Facility must be addressed, but they should not be cause to preclude development of the site.

RESOLUTION NO. 2008-XX

On motion by Commissioner Brandt, and seconded by Commissioner Johnson, the Planning Commission recommended adoption of the Deer Valley Estates Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program and recommended approval of an Ordinance to rezone 38 acres, comprising the Deer Valley Estates Project Site (APN 057-022-013), from Study Zone (S) to Planned Development District (PD).

AYES: ***Brandt, Johnson, Azevedo, Delgadillo, Westerman and Travers***
NOES: ***Trail***

4. Z-07-01 – RDA Ordinance Update – The City of Antioch is requesting amendments to the City's Zoning Ordinance, Title 9, Article 40 "Residential Development Allocation" (RDA), to address several development allocation processing requirements.

Item No. 4 was continued to a date certain.

NEW PUBLIC HEARINGS

5. UP-07-13 – Antioch Armory – Allan Tong requests approval of a Use Permit for firearm sales. The project site is located at 625 West Third Street (APN 055-300-059).

Deputy Director Community Development (DDCD) Wehrmeister provided a summary of the Staff Report dated January 11, 2008.

Commission Trail excused herself, due to a conflict of interest.

OPENED PUBLIC HEARING

ATTACHMENT F

Planned Development Ordinance (2013-C-S)

ORDINANCE NO. 2013-C-S

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ANTIOCH TO REZONE APPROXIMATELY 38 ACRES, COMPRISING THE DEER VALLEY ESTATES PROJECT SITE (APN 057-022-013), FROM STUDY ZONE (S) TO THE PLANNED DEVELOPMENT DISTRICT (PD)

The City Council of the City of Antioch does ordain as follows:

SECTION 1:

The City Council determined on February 26, 2008 that, pursuant to Section 15074 of the Guidelines of the California Environmental Quality Act, and after full consideration of the Initial Study prepared for the project, and on the basis of the whole record before it, the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Deer Valley Estates project should be adopted.

SECTION 2:

At its regular meeting of January 16, 2008, the Planning Commission recommended that the City Council adopt the Ordinance to rezone the subject property from Study Zone (S) to Planned Development District (PD).

SECTION 3:

The real property described in Exhibit A, attached hereto (incorporated herein by reference), is hereby rezoned from Study Zone (S) to Planned Development District (PD), and the zoning map is hereby amended accordingly.

SECTION 4:

The development standards, as defined below, for the subject property (APN 057-022-013), known as the Deer Valley Estates Project, are herein incorporated into this ordinance, and are binding upon said property.

Development Standards for the Deer Valley Estates Planned Development District

Standard	Planned Development District Requirement
Maximum Density	3.8 units per developable acre (3.6 units per gross acreage)
Maximum Number of Units	Up to 136
Minimum Lot Size	7,000 sq. ft.
Minimum Lot Width	Interior lot: 60 feet Corner lot: 65 feet
Minimum Front Yard Setbacks	At garage door: 20 feet At living space: 20 feet
Minimum Side Yard Setbacks	Interior lot: 5 feet Corner lot: 10 feet (reserved for landscaping only) For at least 25% of the lots in a given subdivision, one side yard of an interior lot shall be 10 feet in width and the other side yard can be five feet. The 10 foot side yard area shall remain as unrestricted open area. This shall also apply to all two-story single-family residential lots.
Minimum Rear Yard Setbacks	Interior lot: 25 feet Adjacent to Deer Valley Road / Wellness Way: 30 feet
Accessory Structure Setbacks	Interior lot: side yard and rear yard setback is zero (unless double frontage lot). Corner lot: street side yard is 20 feet and rear /interior side yard is zero Double frontage lot: 10-foot rear yard.
Maximum Building Height	32 feet
Maximum Lot Coverage	40 %
Parking and Driveways	20-foot setback to garage provides off-street parking (at least two spaces). One on-street parking space must be provided in front of each house (at least 20 feet of vertical curb with exceptions for cul de sacs).
Interior Roads	56-foot right of way 36 feet curb
Cul de Sacs	45-foot radius per Fire District standards
Wellness Way	88-foot right of way 68 feet curb to curb
Landscape Requirements	35-foot landscaped setback on Deer Valley Road.

SECTION 5:

The City Council finds that the public necessity requires the proposed zone change that the subject property is suitable to the use permitted in the proposed zone change that said permitted use is not detrimental to the surrounding property, and that the proposed zone change is in conformance with the Antioch General Plan.

SECTION 6:

This ordinance shall take effect and be enforced thirty (30) days from and after the date of its adoption and shall be published once within fifteen (15) days upon passage and adoption in a newspaper of general circulation printed and published in the City of Antioch.

F2

* * * * * * *

I HEREBY CERTIFY that the foregoing ordinance was introduced at a regular meeting of the City Council of the City of Antioch, held on the 26th day of February and passed and adopted at a regular meeting thereof, held on the 11th day of March, 2008 by the following vote:

AYES: Council Members Kalinowski, Davis, Simonsen and Mayor Freitas

NOES: None

ABSENT: Council Member Moore

Mayor of the City of Antioch

ATTEST:

City Clerk of the City of Antioch

F3

ATTACHMENT G

Parks and Recreation Commission Staff Report and Meeting Minutes (November 19, 2020)

CITY OF
ANTIOCH
CALIFORNIA

STAFF REPORT TO THE PARKS AND RECREATION COMMISSION

DATE: Regular Meeting of November 19, 2020

TO: Parks and Recreation Commission

SUBMITTED BY: Vicky Lau, Junior Engineer

APPROVED BY: John Samuelson, Public Works Director/City Engineer JS

SUBJECT: Deer Valley Estates Subdivision Determination of the Dedication of Land or Payment of Park-In-Lieu Fees

---

RECOMMENDED ACTION

It is recommended that the Parks and Recreation Commission forward to the Planning Commission a determination that the Deer Valley Estates Subdivision is subject to a payment of $181,500 of park land dedication park-in-lieu fees and condition the "Private Park" to meet all the City's park design standards.

BACKGROUND

The applicant proposes a new residential subdivision (Deer Valley Estates) that would create 121 new single-family residential lots on an existing undeveloped parcel on the north side of the existing Kaiser Hospital and east of Deer Valley Road.

The Subdivision Ordinance (Section 9-4.1002) requires the dedication of land for the development of parks or the payment of park-in-lieu fees or both for all new subdivisions creating five or more lots. The Code requires that the Parks and Recreation Commission forward a determination of the needed land dedication or fees to the Planning Commission for consideration with the proposed subdivision map.

The Code includes a formula for determining the required land dedication and the corresponding park-in-lieu fees. The City strives to provide 5.0 acres of land for each 1,000 persons. The number of persons per dwelling unit is determined by the code and is shown in the following table along with corresponding land dedication and park-in-lieu fee requirements.

Unit Category	Average Persons/Unit	Land Dedication/Unit	In-Lieu Fees/Unit
Single-Family, Detached	3.0	0.015 acres	$ 1,500
Single-Family, Attached	2.2	0.011 acres	$1,100
Duplexes	1.9	0.0095 acres	$950
Multi-Family	1.9	0.0095 acres	$950
Mobile Homes	1.9	0.0095 acres	$950

Agenda Item #

G1

Unit Category	Average Persons/Unit	Land Dedication/Unit	In-Lieu Fees/Unit
Senior Housing	1.5	0.0075 acres	$750

This project would ordinarily require a dedication of 1.815 acres (79,061 square feet) of land. However, Section 9-4.1005(B) states that subdivisions creating 50 dwelling units or more must dedicate land at the option of the City or pay the park-in-lieu fees. The project dedication and payment requirements are described in the following table:

	Persons	Land Dedication	In-lieu Fees
Per Unit	3 persons	0.015 acres	$ 1,500
Project Total	**363 persons**	**1.815 acres**	**$181,500**

In general when determining whether land should be dedicated, the Parks and Recreation Commission is directed to consider the General Plan; any applicable adopted Specific Plan; the topography, geography, access, and location of land in the subdivision available for dedication; the size and shape of the subdivision and the land available for dedication; the feasibility of dedication; the compatibility of dedication with the General Plan and/or Specific Plan; and the availability of previously acquired park property.

Based on the Tentative Vesting Map, Deer Valley Estates, Subdivision 9518 submitted, there is only 1.12 acres (48,787 square feet) dedicated as a park which falls short of the 1.815 acres required. Moreover, the park is deemed as a "Private Park" and will be maintained by the Home Owners Association (HOA) formed by this subdivision. As such there is zero dedication of park land and hence this subdivision will be required to pay the full park-in-lieu fees. Per Section 9-4.10.10(D)(6), this private park does not qualify for any fee credits as it is less than 2 acres.

Staff recommends that the Parks and Recreation Commission condition the "Private Park" to meet all the City's park design standards current at the time of construction of the park such as irrigation, benches, tables, play equipment, BBQs, garbage cans, dog park, etc. in the event that the HOA is dissolved and City has to take over the maintenance of the "Private Park".

SUMMARY

Staff recommends that the Parks and Recreation Commission forward to the Planning Commission a determination that the project is subject to a payment of $181,500 of park land dedication park-in-lieu fees and condition the "Private Park" to meet all the City's park design standards.

ATTACHMENTS

A. Resolution 2020/**
B. Vicinity Map
C. Preliminary Park Plan

ATTACHMENT "A"

RESOLUTION NO. 2020/**

RESOLUTION OF THE CITY PARKS AND RECREATION COMMISSION OF THE CITY OF ANTIOCH RECOMMENDING ACCEPTANCE OF PARK-IN-LIEU FEES TO MEET THE PARK LAND OBLIGATION OF THE DESERT VALLEY ESTATES SUBDIVISION

WHEREAS, the City of Antioch has received an application for the Deer Valley Estates project, a subdivision that includes 121 single-family dwelling units;

WHEREAS, the City requires that subdivisions that include residential development shall dedicate land or pay park-in-lieu fees or both;

WHEREAS, the total calculated park land obligation for the Project is 1.815 acres as established by the City of Antioch Municipal Code for purposes of park land dedication;

WHEREAS, the park-in-lieu fees for the Deer Valley Estates project has been calculated at $181,500 based on the requirements of the City of Antioch Municipal Code;

WHEREAS, the Subdivision Ordinance states that subdivisions creating 50 dwelling units or more must dedicate land at the option of the City of Antioch or pay the park-in-lieu fees or both; and

WHEREAS, the "Private Park" is conditioned to meet all the City's park design standards current at the time of park construction;

NOW, THEREFORE, BE IT RESOLVED, that the Park and Recreation Commission does recommend that the Deer Valley Estates project meet its park land dedication requirements through the payment of park-in-lieu fees; and

BE IT FURTHER RESOLVED that the Park and Recreation Commission does recommend that park-in-lieu fees in the amount of $181,500 be paid to the City of Antioch to meet the Project's park land dedication obligation.

* * * * * * *

I HEREBY CERTIFY that the foregoing resolution was passed and adopted by the Parks and Recreation Commission of the City of Antioch at a regular meeting thereof held on the 19th day of November 2020 by the following vote:

AYES:

NOES:

ABSTAINS:

ABSENT:

NANCY KAISER
CLERK TO THE PARKS AND RECREATION COMMISSION

ATTACHMENT "B"

Deer Valley Estates

By Blue Mountain Communities

Vicinity Map

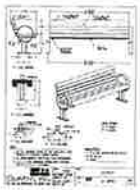
Park Location

ATTACHMENT "C"

PLAYGROUND STRUCTURE

PLAYGROUND SWINGS

PLAYGROUND BENCH BOULDER



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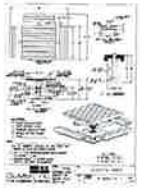

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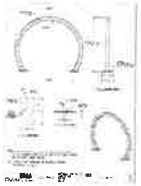
STERNBERG LIGHT BOLLARD



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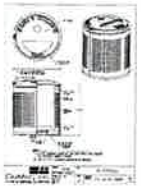
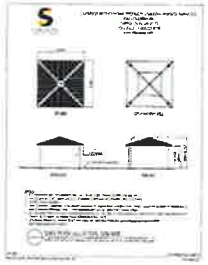


DUMOR TRASH RECEPTACLE

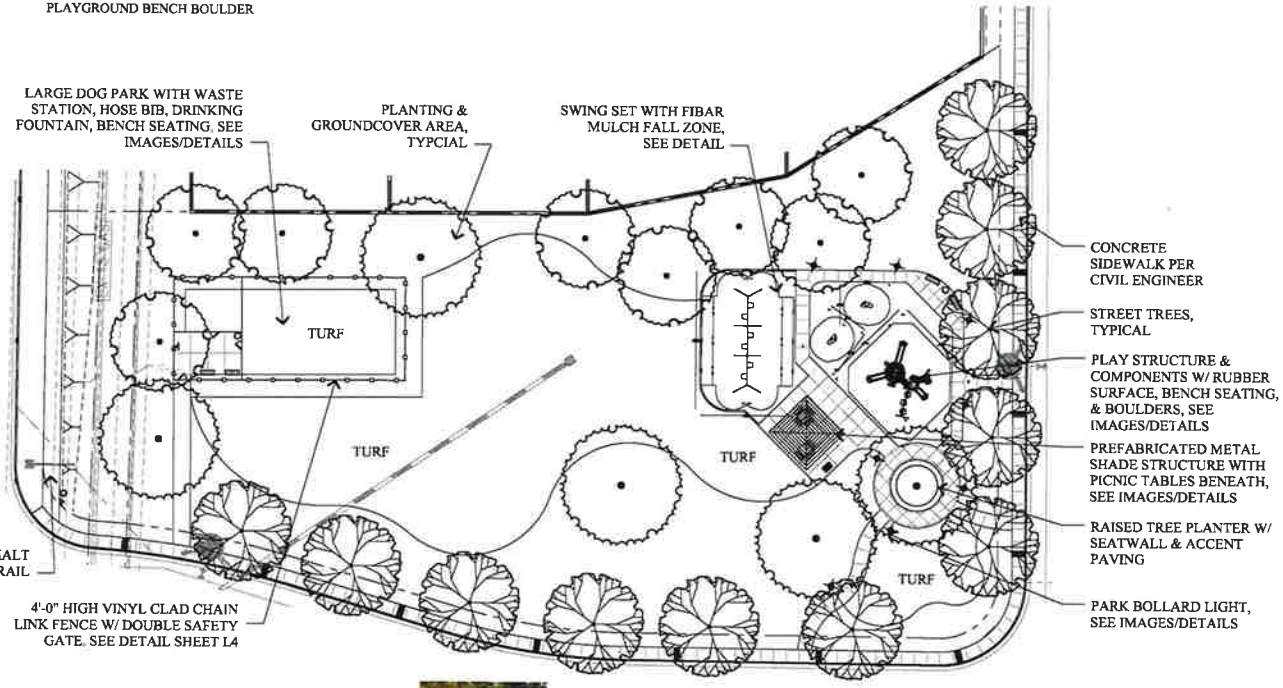
DRINKING FOUNTAIN W/ PET FOUNTAIN

SHADE STRUCTURE



NOTES:

1. SHADE STRUCTURE TO BE 16'X16' SINGLE TIER SQUARE STEEL FRAME SHELTER MODEL #S116, STANDARD POSTS, 24-GAUGE R-PANEL ROOF, W/OPTIONAL 'CIRCLE PATTERN' LATTICE TRIM ALL FOUR SIDES
2. AVAILABLE FROM SUPERIOR RECREATION PRODUCTS OR EQUAL
3. SRPSHELTER.COM (800) 327-8774
4. FRAME COLOR & POST COLOR TO BE POWDER COATED GREEN. ROOF COLOR TO BE EVERGREEN
5. INSTALL PER MANUFACTURER'S SPECIFICATIONS.



BARBEQUE STATION

WASTE STATION

DOG PARK RULES SIGN

G6

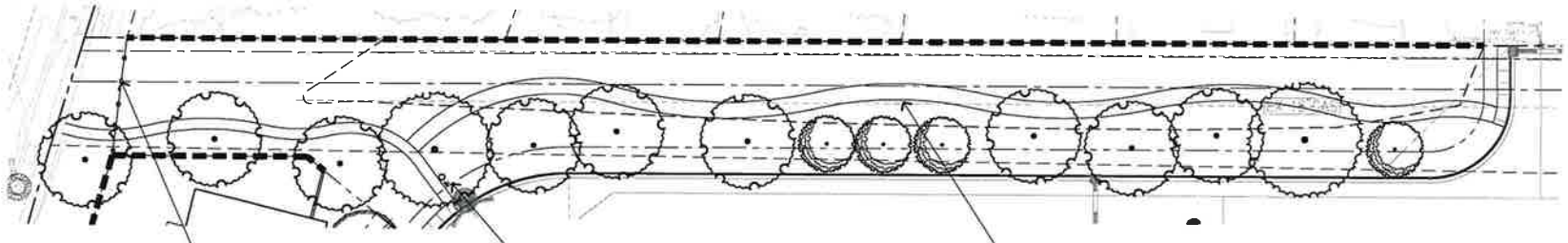
RIPLEY DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
1615 BONANZA STREET
SUITE 314
WALNUT CREEK, CA 94596
TEL: 925.938.7377
www.ripleydesign.com

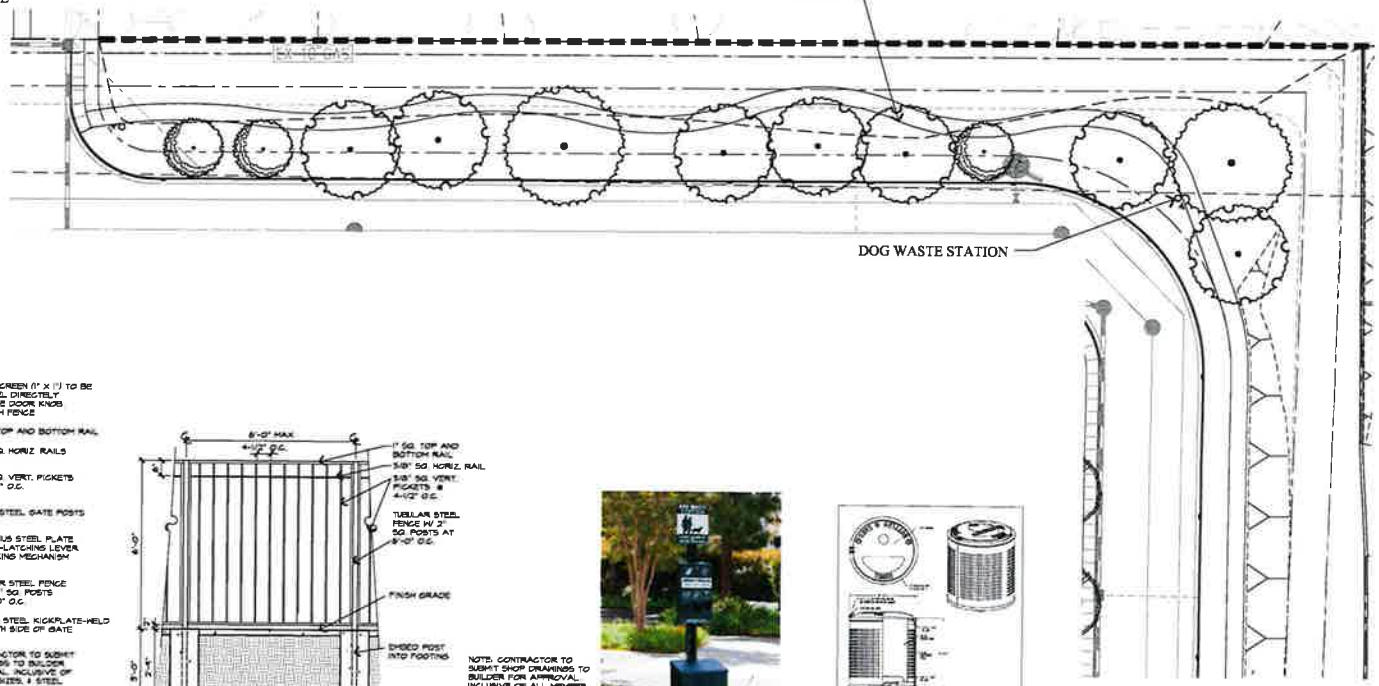
BLUE MOUNTAIN COMMUNITIES
707 Aldridge Road
Vacaville, Ca 95688
TEL: 707.451.8111

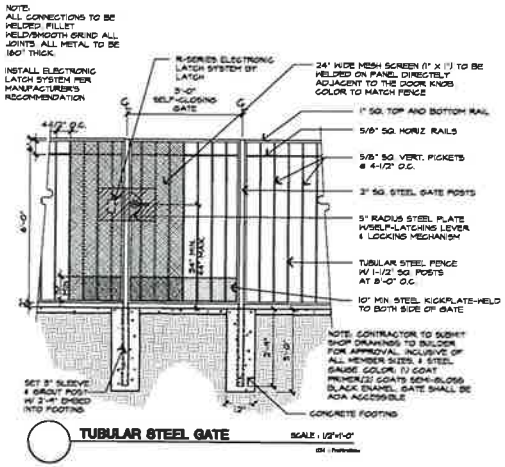
DEER VALLEY
Antioch, CA

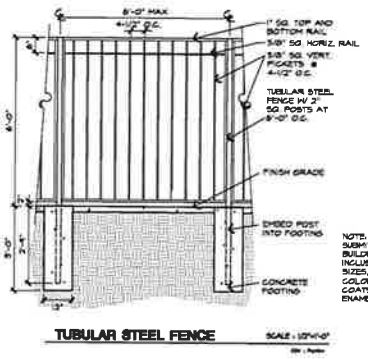
Preliminary Landscape Community Park Plan Enlargement

L2

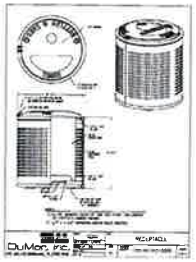








WASTE STATION



DUMOR TRASH RECEPTACLE

RIPLEY DESIGN
LANDSCAPE ARCHITECTURE
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1615 BONANZA STREET
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BLUE MOUNTAIN COMMUNITIES
707 Aldridge Road
Vacaville, Ca 95688
TEL: 707.451.8111

DEER VALLEY
Antioch, CA

Preliminary Landscape Trail Plan Enlargement

L3

ANTIOCH
CALIFORNIA

PARKS & RECREATION COMMISSION MEETING

NOTE THE MEETING LOCATION CHANGE

Antioch Community Center
4703 Lone Tree Way
Antioch, CA 94531

Thursday
November 19, 2020
7:00 p.m.

ANNOTTATED AGENDA

I. CALL TO ORDER

Call to Order by Chair Arce at 7:00 pm

II. PLEDGE OF ALLEGIANCE

Chair Arce led the Pledge of Allegiance

III. ROLL CALL

Commissioners Present: Arce, Belche, Eubanks, Knight, McClelland, Peckenham
Commissioners Absent: Foster,
Staff Present: Nancy Kaiser, Parks and Recreation Director
John Samuelson, Public Works
Carlos Zepeda, Public Works

IV. PUBLIC COMMENTS

Residents are given the opportunity to address the Commission on Park and Recreation issues not on the regular agenda.

There were no public comments

V. APPROVAL OF MINUTES

Recommended Action:

1. Motion to approve annotated agenda minutes of the Parks and Recreation Commission meeting of November 19, 2020.

Motion to Approve Minutes for Meeting of November 19, 2020 *6 Yes / 0 No*
1 Absent

VI. BUSINESS

1. Deer Valley Estates Subdivision Determination of the Dedication of Land or Payment of Park-In-Lieu Fees

Public Works staff introduced the project. The Deer Valley Estates Subdivision is subject to park land dedication fees in the amount of $181,000. The subdivision application includes a private park, which must meet city park design standards. The Commission requested that the specific park design include all access surfacing, a color scheme soothing for children with visual sensitivities similar to Chichibu Park, and shade coverings over playground elements. The specific park design should come back to Commission for approval.

Motion to approve the Deer Valley Estates Subdivision Determination of the Park Land Dedication Park-in-Lier Fees, condition the private park to meet all City park design standards, and forward to Planning Commission for approval
6 Yes / 0 No
1 Absent

2. Resolution of Support for a Transportation Development Act Grant for the Pedestrian Safety Improvements, Phase II (P.W. 124-2)

The grant application requests funding for safety improvements near Turner Elementary and Fremont Elementary Schools.

Motion to Adopt the Resolution of Local Support for the Pedestrian and Bicycle Improvements Grant Application
6 yes / 0 No
1 Absent

3. Ratify Ban on Bounce Houses and Inflatables in Parks and Picnic Areas

Motion to support the ban on bounce houses and inflatables in parks and picnic areas per Antioch Municipal Code.
6 yes / 0 No
1 Absent

VII. COMMUNICATIONS (Announcements and Correspondence)

1. Staff Communication

Staff introduced Mr. Carlos Zepeda, newly appointed Deputy Public Works Director. Jacobsen and Marchetti Parks are scheduled next for playground improvements and will be submitted to Council for approval. Fall recreation programs concluded; they were successful and met all COVID requirements. Recreation and Police Departments are collaborating on safe Halloween events for youth and families. Winter Spring Guide is in production. MLK Day of Service will be the first program in 2021.

2. Commission Communication

Members of the Commission noted that organized team sports continue to play games in parks, citing that these activities are unfortunate because they are not allowed at this time. Commissioners noted that parks continue to play an important role in physical and mental health for all ages; requested that staff look into adding outdoor exercise equipment in key parks throughout the City.

VIII. ADJOURNMENT

The meeting adjourned at 7:50pm

ATTACHMENT H

Contra Costa Fire Protection District Letter
(August 25, 2020)

Contra Costa County Fire Protection District

August 25, 2020

Ms. Meredith
City of Antioch
Community Development
PO Box 5007
Antioch, CA 94531-5007

Subject: Deer Valley Estates, Subdivision #9518
6100 Deer Valley Rd. Antioch
Project # PD-19-03
CCCFPD Project No.: P-2020-03694

Dear Ms. Meredith:

We have reviewed the development plan application to establish a 121 lot single family home subdivision at the subject location. The following is required for Fire District approval in accordance with the 2019 California Fire Code (CFC), the 2019 California Building Code (CBC), the 2019 California Residential Code (CRC), and Local and County Ordinances and adopted standards:

1. ***A Community Facilities District (CFD) for fire protection is required for the Fire District to support this project. Without the CFD, the Fire District opposes this project. The applicant should contact the Office of the Fire Chief for specific details on the CFD.***

2. Access shall comply with Fire District requirements.

   Provide emergency apparatus access roadways with all-weather (paved) driving surfaces of not less than 20-feet unobstructed width, and not less than 13 feet 6 inches of vertical clearance, to within 150 feet of travel distance to all portions of the exterior walls of every building. Access shall have a minimum outside turning radius of 45 feet, and must be capable of supporting the imposed fire apparatus loading of 37 tons. Access roadways shall not exceed 20% grade. Grades exceeding 16% shall be constructed of grooved concrete per the attached Fire District standard. (503) CFC

3. Access roadways of **less than 28-feet** unobstructed width shall have signs posted or curbs painted red with the words ***NO PARKING – FIRE LANE*** clearly marked. (22500.1) CVC, (503.3) CFC

   Access roadways of **28 feet or greater, but less than 36-feet** unobstructed width shall have ***NO PARKING – FIRE LANE*** signs posted, allowing for parking on one side only or curbs painted red with the words ***NO PARKING – FIRE LANE*** clearly marked. (22500.1) CVC, (503.3) CFC

4. Turnarounds shall comply with Fire District requirements.

5. The developer shall provide an adequate and reliable water supply for fire protection with a minimum fire flow of 1000 GPM. Required flow must be delivered from not more than 1 hydrant flowing for a duration of 120 minutes while maintaining 20-pounds residual pressure in the main. (507.1), (B105) CFC

6. The developer shall provide hydrants of the East Bay type in compliance with Chapter 5 and Appendix D of the California Fire Code. (C103.1) CFC

7. The developer shall submit a minimum of two (2) copies of full size, scaled site improvement plans indicating:
All existing or proposed hydrant locations
Fire apparatus access
Size of building and type of construction
Striping and signage plan

This is a separate submittal from the building construction plans. These plans shall be approved prior to submitting building plans for review. (501.3) CFC

8. ***Emergency apparatus access roadways and hydrants shall be installed, in service, and inspected by the Fire District prior to construction or combustible storage on site.*** (501.4) CFC

Note: A temporary aggregate base or asphalt grindings roadway is not considered an all-weather surface for emergency apparatus access. The first lift of asphalt concrete paving shall be installed as the minimum roadway material and must be engineered to support the designated gross vehicle weight of 37 tons.

9. The homes as proposed shall be protected with an approved automatic fire sprinkler system complying with the 2019 edition of NFPA 13D or Section R313.3 of the 2019 California Residential Code. Submit a minimum of two (2) sets of plans to this office for review and approval prior to installation. (903.2) CFC, (R313.3) CRC, Contra Costa County Ordinance 2019-37.

10. The developer shall provide traffic signal pre-emption systems (Opticom) on any new or modified traffic signals installed with this development. (21351) CVC

11. Flammable or combustible liquid storage tanks shall ***not*** be located on the site without obtaining approval and necessary permits from the Fire District. (3401.4) CFC

12. The owner shall cut down and remove all weeds, grass, vines, or other growth that is capable of being ignited and endangering property. (304.1.2) CFC

13. Development on any parcel in this subdivision shall be subject to review and approval by the Fire District to ensure compliance with minimum requirements related to fire and life safety. Submit three (3) sets of plans to the Fire District prior to obtaining a building permit. (501.3) CFC

14. The owner or the owner's authorized agent shall be responsible for the development, implementation and maintenance of a written plan establishing a fire prevention program at the project site applicable throughout all phases of the construction. The plan shall be made available for review by the fire code official upon request. (Ch.33) CFC

15. The fire prevention program superintendent shall develop and maintain an approved prefire plan in cooperation with the fire chief. The fire chief and fire code official shall be notified of

changes affecting the utilization of information contained in such prefire plans. (Ch.33) CFC

Our preliminary review comments shall not be construed to encompass the complete project. Additional plans and specifications may be required after further review.

If you have any questions regarding this matter, please contact this office at (925) 941-3300.

Sincerely,

Todd Schiess
Fire Inspector

cc: Blue Mountain Communities
Carlos Yanez
707 Aldridge Rd. Ste B
Vacaville, CA 95688
cyanez@bluemountaininc.com

File: 6100 DEER VALLEY RD-SUB 9518-PLN-P-2020-03694

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PROJECT REFERRAL – REQUEST FOR COMMENTS/CONDITIONS

July 29, 2020

RECEIVED
JUL 31 2020
CONTRA COSTA FIRE DISTRICT

PROJECT NAME: Deer Valley Estates, 6100 Deer Valley Road, PD-19-03

The City of Antioch Planning Division is requesting that your agency review these plans and provide your feedback on availability of services, potential design or code conflicts, requirements for additional permits, and recommended conditions of project approval. **Please submit your comments no later than August 20, 2020 to Zoe Merideth** via e-mail at zmerideth@ci.antioch.ca.us. If you have any questions regarding this project, please contact Zoe Merideth.

Development plans and related information for the project identified above, can be accessed at:

https://www.antiochca.gov/fc/community-development/planning/ProjectDOCs/PDP-19-03.pdf

Or at the current projects list at: www.antiochplanning.com

Project No: PD-19-03 **Address: 6100 Deer Valley Road**	**Application Type: Planning Development**
Project Description: Blue Mountain Communities is requesting Final Planned Development, Use Permit, and Design Review and Vesting Tentative Map approvals for a 121-unit single family home development with associated improvements, landscaping, and home architecture for the Deer Valley Estates project. The site was rezoned to Planned Development and went through a Master Development Plan process in 2008. The project site is located at the northeast corner of Deer Valley Road and Wellness Way.	
Applicant: Carlos Yanez, Blue Mountain Communities	
Mailing Address: 707 Aldridge Rd, Suite B, Vacaville, CA 95688	
Phone: (707) 471-7479	**E-mail: cyanez@bluemountaininc.com**

****Please contact Cheryl Hammers at chammers@ci.antioch.ca.us if your agency would like to receive an e-mail only version of project referrals from the City of Antioch.**

P-2020-03694 H4

Nazareta, Lynnea

From: Hammers, Cheryl <chammer@antiochca.gov>
Sent: Friday, July 31, 2020 8:29 AM
To: Fire; eileenalterman@antiochschools.net; jessicaromeo@antiochschools.net; ishanirasanayagam@antiochschools.net; 'sajeevmadharan@antiochschools.net'; Ughe, Steven; 'doggrnothern@conservation.ca.gov'
Subject: Deer Valley Estates Project Referral
Attachments: Deer Valley Estates Zocchi PD-19-03 7-29-20.pdf

Categories: Green Category

Attached, please find a Project Referral – Request for Comments/Conditions for the Deer Valley Estates project located at 6100 Deer Valley Road for your information.

Thank you,

Cheryl Hammers
Community Development Technician

Main: (925) 779-7035
Desk: (925) 779-6108
Fax: (925) 779-7034
Web: www.antiochca.gov

City of Antioch | P.O. Box 5007, Antioch, CA 94531-5007

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H5

Exhibit A
Deer Valley Estates Antioch
Detailed Project Description

Owner/Applicant	
Property Owner	Western State Company a CA LP Attn: Carl Zocchi 5075 Commercial Circle, Suite A, Concord, CA 94520 csz@zcproperties.com
Applicant/Developer	Blue Mountain Communities Attn: Mike Howl or Carlos Yanez 707 Aldridge Road Suite B Vacaville, CA 95688 707-471-7479
Design Team	
Engineer	Carlson, Barbee & Gibson, Inc Attn: Andrea Bellanca 2633 Camino Ramon, Suite 350 San Ramon, CA 94583 925-866-0322
Soils Engineer	Engeo, Inc 17278 Golden Valley Parkway Lathrop, CA 95330 209-835-0610
Architect	KTGY Architecture + Planning Attn: Jonathan Jaeger 1814 Franklin St, Suite 400 Oakland, CA 94612 510-463-2064
Landscape Architect	Ripley Design Group Attn: Annika Carpenter 1615 Bonanza St, Suite 314 Walnut Creek, CA 94596 925-938-7377

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Site Info			
Address	1600 Deer Valley Road, Antioch, California Contra Costa County		
APN	057-022-013 and 055-071-026		
Area	37.56 Acres		
General Plan	Existing	055-071-026	Medium Low Density Residential
		057-022-013	Sand Creek Focus Area Low Density Residential
	Proposed	Sand Creek Focus Area Low Density Residential	
Zoning	Existing	PD- Planned Development	
	Proposed	PD- Planned Development	

P-2020-03694 PLN

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PROJECT SITE CHARACTERISTICS:

The project site consists of 37.56 acres of primarily undeveloped gently sloping land. Currently, the site includes a limited cattle-grazing operation. Historical uses of the site include grazing and limited natural gas exploration. The site is traversed by several gas line easements which are all retained in open space.

Proposed Use: Construction of 121 single family detached homes on minimum 7,000 square foot lots, plus public streets, and private open space composed of park, playground, dog park, walkways, and detention basin. The proposed density is 3.2 dwelling per acre.

Existing streets are proposed to be extended completing existing dead ends in the community to the north. They would be built to city standards and deeded to the City. Deer Valley green way adjoining the parcel, internal park, walkways and retention basin would be maintained by a new HOA to be formed for the community. The main entry into the project is proposed to be at a widened Wellness Way at the south side of the project across from the main entry into the Kaiser Hospital complex.

Surrounding land uses are:

North: single family homes,
East: single family homes approved and under construction.
South: Kaiser Hospital and PG&E substation.
West: Deer Valley Road and open space approved for mixed use development per the Sand Creek Focus Area plan

Entitlement Requested:

General Plan Amendment: The smaller of the two parcels, 055-071-026 has a general plan designation of Medium Low Density Residential. The large parcel has a general plan designation of Sand Creek Focus Area Low Density Residential. Applicant seeks a General Plan Amendment to make the smaller parcel consistent with the larger parcel. So both would have the same general plan designation of Sand Creek Focus Area Low Density Residential.

Tentative Map: Application seeks approval of a vesting tentative map

Final Development Plan: The development plan includes 4 hours plans each with three unique elevations. The homes would be a mix of 1 and 2 story raging in size from 2,799 square foot 3 bedroom 2 bath to a 3,363 square foot 5 bedroom 4 bath home. All set backs, lot coverage and other lot requirements are met. Masonry walls will be built to surround the project. Stormwater retention is on site.

Public Facilities and Amenities
Proposed public facilities and recreational amenities, including open space and trails, and park.

• **Deer Valley Road:** The project fronts on Deer Valley Road and would create an extension of the Deer Valley parkway landscape design.

• **Open Space and Trails:** In addition to the Deer Valley Road parkway improvements the project would include a landscaped and trail improvements over existing gas line pipelines. Setting aside approximately 1.5 acres as open space.

• **Parks and Landscape Areas.** The proposed project would include a 1.12 acre neighborhood park. Landscaped areas would also be provided throughout the development.

• **Retention Basin.** The proposed project includes a 1.51 acre stormwater control retention basin.

Design Review: The architecture for Deer Valley Estates springs from an intention to create a community that is rooted in tradition and at the same time is looking to the future. Residential design in the 20th century took many shapes and forms, and 3 innovative styles that enjoyed popularity and success were Prairie Style, Ranch Style, and Mid-Century Modern. These three styles have distinct characters, but also share some common attitudes in their emphasis on horizontality, connection to the land, and an honest use of materials. The homes at Deer Valley Estates take these three styles as inspiration and reinterpret them with an eye towards today's lifestyles and contemporary materials.

The Modern Prairie style is inspired by the hipped roofs, broad eaves, horizontal banding, and alternating rhythm of piers and glazing typical of the original Prairie Style reinterpreted using horizontal stone veneer, strong horizontal banding, and broad hipped roofs.
The Contemporary Ranch style is an updated take on ranch style homes with a mix of gable and shed roofs, exposed beams, stone accents, and a warm color palette.
The Mid-Century Modern style is a 21st century take on classic 1950's residential design, employing strong shed roof forms, larger groupings of glazing, exposed beams, cooler tones, and pops of color.

Deer Valley, Antioch

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JUL 31 2020
CONTRA COSTA FIRE DISTRICT

Response to 2nd Incomplete letter

6 pages Civil: CBG VTM, Site Plan, Grading, Utility, Storm Water and Development Plan Dated 05/04/2020
8 pages Landscape: Ripley Design: Preliminary Landscape Site Plan date 05/07/2020
58 pages Architecture: KTGY Planning Submittal dated 05/01/2020

BLUE MOUNTAIN COMMUNITIES
707 Aldridge Ave, Vacaville, CA 95688

cbg CARLSON, BARBEE & GIBSON, Inc.

ktgy Architecture + Planning
888.456.5849
ktgy.com

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