

**COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT**

DATE: May 13, 2020

TO: Planning Commission

FROM: Planning Staff

SUBJECT: EXECUTIVE SUMMARY: Consideration of a Coastal Development Permit and Planned Agricultural District Permit to legalize two greenhouses (11,498 sq. ft. and 11,102 sq. ft.) and authorize construction of a 28,000-gallon water storage tank, on-site stormwater treatment facilities, and roadway improvements to comply with fire standards, at 37 Frenchman's Creek Road in the unincorporated Half Moon Bay area of San Mateo County; minimal grading and no tree removal is required. The project is appealable to the California Coastal Commission.

County File Number: PLN 2018-00330 (Skrrr LLC/Bishara)

PROPOSAL

The applicant is proposing to legalize two existing greenhouses, identified as Greenhouse 09-N (11,498 sq. ft.) and Greenhouse 09-S (11,102 sq. ft.), constructed by the previous property owner without permits, on the agriculturally developed 164-acre property located at 37 Frenchman's Creek Road in the unincorporated Half Moon Bay area. The project also includes the construction of a 28,000-gallon water storage tank located adjacent to Greenhouse 09-N, on-site stormwater treatment facilities (i.e., bioretention area), and roadway improvements (i.e., paving repairs, turnouts, fire lane striping, and "no parking" signs) along Frenchman's Creek Road (within the County of San Mateo's permit jurisdiction) to comply with fire requirements. Minor grading of approximately 215 cubic yards of cut for the onsite stormwater treatment facilities and construction of a roadway turnout is necessary; no tree removal is proposed.

RECOMMENDATION

That the Planning Commission approve the Coastal Development Permit and Planned Agricultural Permit, County File Number PLN 2018-00330, by making the required findings and adopting the conditions of approval in Attachment A.

SUMMARY

The project is consistent with the applicable development policies of the General Plan and Local Coastal Program (LCP) pertaining to sensitive habitats, soil resources, visual

quality, agricultural resources, water supply, and hazards. The project will avoid impacts to sensitive habitats, including wildlife habitat and riparian vegetation; clusters agricultural development in the central valley area of the property with other existing agricultural development; is not visible from any residential areas or public views due to location and surrounding topography; and will facilitate and support continued agricultural use (i.e., cannabis cultivation) on the property in an efficient and safe manner. The project will utilize surface water withdrawn from Frenchman's Creek, as permitted by their historic licenses for diversion, and does not involve habitable structures or uses that would put large numbers of people at risk of wildfire hazards.

The project is further consistent with the general criteria, water supply criteria, and the criteria for conversion of prime agricultural land as regulated by the Planned Agricultural District zoning standards. The project includes converting prime agricultural land to legalize non-soil dependent greenhouses, which is conditionally allowed on the basis that topographic constraints on the parcel limit the location for these structures, and the location will not diminish or impair the agricultural productivity or viability of any surrounding lands.

A Mitigated Negative Declaration (MND) was prepared for proposed activities at the project site, which included the subject project scope, as well as the issuance of cannabis cultivation licenses. The MND was adopted by the County of San Mateo, acting as Lead Agency, on November 15, 2019, at the time the County issued the initial cannabis cultivation licenses for cultivation within legal greenhouses onsite; no cultivation licenses were issued for the subject illegal greenhouses. Pursuant to California Environmental Quality Act (CEQA) Guidelines, Section 15164, staff has prepared an Addendum to the adopted Mitigated Negative Declaration for minor corrections and/or clarifications, included in Section C of the attached staff report. No substantial changes or new significant impacts have been identified, no new mitigation measures are required, and no additional environmental review is required.

Finally, the project was reviewed at the March 9, 2020 Agricultural Advisory Committee's regular meeting and the Committee recommended approval of the project.

SSB:cmc – SSBEE0170_WCU.DOCX

**COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT**

DATE: May 13, 2020

TO: Planning Commission

FROM: Planning Staff

SUBJECT: Consideration of a Coastal Development Permit and Planned Agricultural District Permit, pursuant to Sections 6328.4 and 6350 of the San Mateo County Zoning Regulations, respectively, to legalize two greenhouses (11,498 sq. ft. and 11,102 sq. ft.) and authorize construction of a 28,000-gallon water storage tank, on-site stormwater treatment facilities, and roadway improvements to comply with fire standards, at 37 Frenchman's Creek Road in the unincorporated Half Moon Bay area of San Mateo County; minimal grading and no tree removal is required. The project is appealable to the California Coastal Commission.

County File Number: PLN 2018-00330 (Skrrr LLC/Bishara)

PROPOSAL

The applicant is proposing to legalize two existing greenhouses, identified as Greenhouse 09-N (11,498 sq. ft.) and Greenhouse 09-S (11,102 sq. ft.), constructed by the previous property owner without permits, on the agriculturally developed 164-acre property located at 37 Frenchman's Creek Road in the unincorporated Half Moon Bay area.

The project also includes the construction of a 28,000-gallon corrugated metal water storage tank (partially constructed without permits), 10 feet 5 inches tall with a 25.5 feet diameter, anchored to a concrete pad, adjacent to Greenhouse 09-N to support a closed loop irrigation system for the greenhouses, and on-site stormwater treatment facilities (i.e., bioretention area). Additionally, improvements to Frenchman's Creek Road from its intersection with Cabrillo Highway to the project area are proposed in order to meet current San Mateo County Fire Department standards for access. The first 3,500 feet of Frenchman's Creek Road lies within the jurisdiction of the City of Half Moon Bay; the applicant is pursuing separate permits from the City of Half Moon Bay for roadway improvement work that lies within the City's jurisdiction. Therefore, the subject project, hereinafter referred to as the "project", is limited to roadway improvements proposed within the County of San Mateo's permit jurisdiction, which includes paving repairs (2-inch minimum overlay of existing paved roadway where necessary), constructing several turnouts, painting fire lane striping, and installing "no parking" signs along the roadway. Minor grading of 215 cubic yards of cut, including 80 cubic yards to

construct the stormwater treatment facilities and 135 cubic yards to cut back a bank at roadway Station 44+00 to accommodate one of the turnouts is necessary. All roadway improvement work will be within the existing 43-foot wide roadway easement. Although stand-alone roadway improvements such as described can typically be approved under a Coastal Development Permit Exemption for maintenance and repair, the work is being consolidated under the subject CDP due to its association with this larger project scope. No tree removal is proposed.

RECOMMENDATION

That the Planning Commission approve the Coastal Development Permit and Planned Agricultural Permit, County File Number PLN 2018-00330, by making the required findings and adopting the conditions of approval in Attachment A.

BACKGROUND

Report Prepared By: Summer Burlison, Project Planner

Applicant: Aneese Bishara

Owner: Skrrr LLC

Location: 37 Frenchman's Creek Road, unincorporated Half Moon Bay

APN: 048-320-020

Size: 164.23 acres

Existing Zoning: PAD/CD (Planned Agricultural District/Coastal Development)

General Plan Designation: Agriculture

Local Coastal Plan Designation: Agriculture

Williamson Act: The property was placed under a Williamson Act Contract in 1966 (County File Number AP 66-01) and currently remains under this contract.

Existing Land Use: Agricultural crop (cannabis) production

Water Supply: The existing in-stream water diversion is permitted by water right licenses 6556 and 10827. The existing water diversion structure is located within the creek channel of Frenchman's Creek, which is approximately the western property line of the project parcel; an existing pump house and storage tanks built in the 1960's are adjacent to, but outside the banks of the creek. Water from the creek diversion is pumped east and uphill to an existing reservoir (approximately 12.25-acre-foot capacity) that has historically been used to provide water storage for the greenhouse complex.

The project proposes to divert water from the reservoir to the new water storage tank which will be used to support a closed loop irrigation system for the greenhouses.

Sewage Disposal: An existing septic system supports onsite breakroom/bathroom facilities for agricultural workers.

Flood Zone: Flood Zone X (area of minimal flood); Community Panel Number 06081C0260E, effective October 16, 2012.

Environmental Evaluation: A Mitigated Negative Declaration (MND) was prepared for proposed activities at the project site, which included the subject project scope, as well as the issuance of cannabis cultivation licenses. The MND was adopted by the County of San Mateo, acting as Lead Agency, on November 15, 2019, at the time the County issued the initial cannabis cultivation licenses for cultivation within legal greenhouses onsite; no cultivation licenses were issued for the subject illegal greenhouses. The use of the subject greenhouses, construction of the water tank, and road improvements were evaluated in the adopted Mitigated Negative Declaration. An addendum to the adopted MND, pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15164, is included in Section C below. The addendum provides minor modifications to correct and/or clarify inaccuracies from the previously adopted Mitigated Negative Declaration. No substantial changes or new significant impacts have been identified, no new mitigation measures are required, and no additional environmental review is required.

Setting: The project parcel is approximately 164 acres in size. A majority of the parcel consists of hills that form a relatively flat valley through the center of the parcel where development constructed in the 1960's for agricultural purposes exists, including several greenhouses, metal barn/storage buildings, and warehouses. Additionally, associated roadways, parking areas, irrigation system, and other related infrastructure present on the property have historically been used to grow orchids, ornamental flowers, and cherry trees. All surrounding parcels are designated for agricultural or open space use. The project site is located in a previously disturbed, relatively flat area of the parcel that consists of ruderal grassland and is in close proximity to the other existing development on the property.

Chronology:

<u>Date</u>	<u>Action</u>
August 23, 2018	- Subject project applications submitted for a CDP and PAD Permit to legalize two (2) existing greenhouses and install a new water storage tank, PLN 2018-00330.
October 1, 2018	- San Mateo County Fire Department reviewed project and required roadway improvements to meet San Mateo County Fire Department access standards.

- November 15, 2019 - Adoption of a Mitigated Negative Declaration pursuant to the California Environmental Quality Act (CEQA) for proposed activities at the project site.
- March 9, 2020 - Agricultural Advisory Committee public meeting.
- May 13, 2020 - Planning Commission hearing.

DISCUSSION

A. KEY ISSUES

1. Conformance with the General Plan

The project conforms to the applicable General Plan policies, discussed below:

a. Vegetative, Water, Fish and Wildlife Resources

Policy 1.23 (Regulate Development to Protect Vegetative, Water, Fish and Wildlife Resources), Policy 1.24 (Regulate Location, Density and Design of Development to Protect Vegetative, Water, Fish and Wildlife Resources), Policy 1.28 (Regulate Development to Protect Sensitive Habitats), Policy 1.29 (Establish Buffer Zones), Policy 1.31 (Uses Permitted in Buffer Zones), and Policy 1.32 (Regulate the Location, Siting and Design of Development in Sensitive Habitats) seek to regulate land uses and development activities to minimize significant adverse impacts on vegetative, water, fish and wildlife resources, including within and adjacent to sensitive habitats; and establish necessary buffer zones adjacent to sensitive habitats where permitted land uses and development activities include, but are not limited to, necessary public and private infrastructure.

Vegetation on the developed portions of the project site consists of disturbed ruderal grassland and ornamental varieties. The two greenhouses, partially constructed water tank, and proposed on-site stormwater treatment facilities are over 180 feet away from the nearest identified sensitive habitat (ephemeral stream channel) with active paved driveways between these structures and the nearby stream channel.

A biological report prepared by Sol Ecology assessed potential riparian and wetland habitat adjacent to Frenchman's Creek Road and any potential impact the project might have on such resources. Riparian areas associated with culverted drainages exist on either side of the roadway along several segments. The County's Local Coastal

Program, Policy 7.11 (*Establishment of Buffer Zones*) and Policy 7.12 (*Permitted Uses in Buffer Zones*), establishes a 30-foot buffer zone from riparian corridors along intermittent streams and permits impervious surfaces and repair or maintenance of roadways when no feasible or practicable alternative exists. The proposed turnout areas have been sited and designed to avoid sensitive habitats, thus, no direct impacts to biotic resources were identified by the biologist. The new turnouts are within the 30-foot buffer zone from these sensitive features but are necessary to comply with minimum fire access requirements. Additionally, the biologist has recommended several standard Best Management Practices (BMPs) to ensure there are no impacts to transient resources, such as California red-legged frog, including pre-construction biological surveys and wildlife exclusionary fencing; these recommended BMPs are included as conditions of approval in Attachment A.

b. Soil Resources

Policy 2.20 (*Regulate Location and Design of Development in Areas With Productive Soil Resources*) and Policy 2.21 (*Protect Productive Soil Resources Against Soil Conversion*) seek to regulate location of design of development in a manner which is most protective of productive soil resources, including, but not limited to, measures which require clustering of structures; and regulate land use of productive soil resources to protect against soil conversion.

Topographic constraints on the property limit development to the parcel's centrally located valley area, which is designated as having agricultural capability for irrigated row crops and soil-dependent floriculture (artichokes, brussels sprouts, field flowers), according to the General Plan's Productive Soil Resources map. All existing permitted development, including several other greenhouses, metal barns/storage buildings, and warehouses supporting on-site agricultural operations, are clustered in this valley area. The structural components of the subject project (i.e., two greenhouses, water storage tank, and on-site stormwater treatment facilities) are clustered in this valley area and will be used to facilitate and support agricultural use (i.e., cannabis cultivation) which cannot reasonably be located on the surrounding steeply sloped hillsides.

Based on historical aerial imagery, the project area was previously used for field grown flowers. Sometime between 1993 and 2003 large hoop house structures were erected in the location where the two greenhouses being legalized are currently located. Around 2007 the hoop house structures appear to have been removed and the two greenhouses included in the subject project were erected. Since the

original hoop houses were erected to current time, it does not appear that the remaining area, where the new water tank is to be located, has been used for any sort of agricultural activity, nor the nearby location where the on-site stormwater treatment is proposed. The project will utilize some of this area to accommodate these agriculturally supportive structures.

As part of legalizing the two greenhouses, the applicant is seeking a PAD permit for the conversion of prime soils to non-prime soil use, as portions of the non-soil dependent greenhouses are located on prime soils. Section A.2.(a). below discusses the project's conformance with the PAD's criteria for soil conversion.

c. Visual Quality

Policy 4.15 (*Appearance of New Development*), Policy 4.21 (*Utility Structures*), Policy 4.25 (*Location of Structures*), and Policy 4.26 (*Earthwork Operations*) seek to regulate development to promote and enhance good design, site relationships and other aesthetic considerations; minimize adverse visual quality of utility structures, including roads; locate and site structures and paved areas to carefully conform with the natural vegetation, landforms and topography of the site so that their presence is compatible with the pre-existing character of the site; and minimize grading and ensure it blends with adjacent landforms.

The project site is located within a canyon, is not readily visible from any residentially zoned areas, and is not within the viewshed of any state or county scenic highway. The project, including the proposed roadway improvements, is more than 0.3 miles away from the nearest public roads and approximately 0.67 miles away from Cabrillo Highway. Due to the distance and existing vegetation and topography surrounding the project site, the project will not be visible from any public roads. The two existing greenhouses, proposed adjacent water tank and nearby on-site stormwater treatment facilities are located in historically disturbed, relatively flat terrain consisting of ruderal grasses. Additionally, the roadway runs along relatively flat terrain to the project parcel and roadway access improvements are designed to avoid any sensitive habitats found near the roadway, as confirmed in the biological report prepared by Sol Ecology. Furthermore, grading is limited to approximately 215 cubic yards of cut to accommodate fire access turnouts (135 cubic yards) and on-site stormwater treatment facilities (80 cubic yards).

d. Rural Land Use

Policy 9.28 (*Encourage Existing and Potential Agricultural Activities*) and Policy 9.31 (*Protection of Agricultural Lands*) encourage the continuance of existing agricultural and agriculturally-related activities; and methods which assist in the retention and expansion of land with agricultural activities through methods that include contracts.

Historically, the property has supported agricultural operations including growing orchids, ornamental flowers, and cherry trees. Past commercial agriculture (within the last 5 years) has included 5-acres of orchid crops. More recently (under a change of property ownership) cannabis cultivation within legal greenhouse structures on the property has commenced under state and locally issued cannabis cultivation licenses. The subject project will legalize Greenhouse 09-N and Greenhouse 09-S, and permit supportive infrastructure, on the property for agricultural use (i.e., cannabis cultivation). Additionally, the current owners will be reactivating and maintaining 23,000 sq. ft. of commercial cherry orchards on the property.

The project parcel was placed under Williamson Act contract in 1966 (County File No. AP 66-01) and currently remains under contract. Staff has completed a review of the parcel's compliance with its Williamson Act contract and determined that the parcel meets the minimum income requirements for commercial crop production pursuant to compliance with Williamson Act regulations.

e. Water Supply

Policy 10.17 (*Improving Existing Water Systems*) allows water systems using surface water supplies to continue this practice when done in accordance with appropriate permits and approvals.

Cultivation operations at the site will utilize surface water withdrawn from Frenchman's Creek, as permitted by their historic licenses for diversion and existing California Department of Fish and Wildlife Lake and Streambed Alteration Agreement. Specifically, the project parcel has established rights with the State Water Resources Control Board to divert 10.66 acre-feet (3.5 million gallons) of water per year from Frenchman's Creek, which borders the project parcel to the north. Water from the creek diversion is pumped east and uphill to an existing reservoir (approximately 12.25 acre-foot capacity) that has been used historically to provide water storage for the greenhouse complex. Water calculations show that the total annual diversion for agricultural operations on the property, including the subject project, is

not expected to exceed 4.0 acre-feet in most years, well below the allowable 10.66 acre-feet authorized under the existing state licenses.

f. Natural Hazards

The Fire Hazard Policies of the General Plan, including Policy 15.27 (*Appropriate Land Uses and Densities in Fire Hazard Areas*), Policy 15.28 (*Review Criteria for Locating Development In Fire Hazard Areas*), Policy 15.30 (*Standards for Water Supply and Fire Flow for New Development*), and Policy 15.31 (*Standards for Road Access for Fire Protection Vehicles to Serve New Development*) seek to consider low density land uses that minimize the exposure of significant numbers of people to fire hazards; cluster development where there are adequate water supplies and good access for fire vehicles; and require projects in hazardous fire areas to be reviewed by the County Fire Warden to ensure that building materials, access, vegetative clearance from structures, fire flows and water supplies are adequate for fire protection purposes and in conformance to the fire policies of the General Plan.

According to the State's Fire Hazard Severity Zone Maps from the California Department of Forestry, the project site is located in a "Very High Fire Hazard Severity Zone". The project site sits within a canyon surrounded by hillsides covered with brush. The project supports clustering of development as it proposes to legalize two existing greenhouses and the construction of a water storage tank and on-site stormwater treatment facilities at the northeast end of the greenhouse complex. The project consists of non-habitable structures that will support agricultural activity on the property. The number of persons expected to be on the project site at any time in association with continued agricultural operations is relatively low, even with Greenhouse 09-N and Greenhouse 09-S being legalized and in active operation.

Additionally, the San Mateo County Fire Department has reviewed and conditionally approved the project for fire safety measures including materials, access, vegetative clearances, fire flows and water supplies to minimize potential fire hazards.

2. Conformance with the Local Coastal Program

The project conforms to the applicable Local Coastal Program policies, discussed below:

a. Agriculture Component

Policy 5.5 (*Permitted Uses on Prime Agricultural Lands Designated as Agriculture*) and Policy 5.8 (*Conversion of Prime Agricultural Land Designated as Agriculture*) permit non-residential development customarily considered accessory to agricultural uses including water storage tanks, and conditionally permit non-soil dependent greenhouses and nurseries on prime agricultural land provided the project demonstrates conformance with the criteria for conversion of prime agricultural land, as cited below.

The non-soil dependent greenhouse and water tank area is designated prime agricultural land according to the County's General Plan Agricultural Lands map. While water storage tanks are considered a permitted use on prime agricultural land, non-soil dependent greenhouses are a conditionally permitted use that is subject to the following criteria for the conversion of prime agricultural land:

- (1) *No alternative site exists on the parcel for the use.*

Topographic constraints on the parcel limit development to areas of the parcel that are considered prime agricultural lands as these are the relatively flat areas of the parcel that can reasonably support development. The project parcel does support commercially viable agricultural operations and the project proposes to further facilitate agricultural use of the property. Also, see staff's discussion in Section A.3.b.(1)(a) below.

- (2) *Clearly defined buffer areas are provided between agricultural and non-agricultural uses.*

The property has supported commercial agricultural crop operations for over 30 years with most of the supporting buildings constructed in the 1960's. The property will continue to be used for commercial agricultural crop operations, including the reactivation and maintenance of 23,000 sq. ft. of cherry orchards in the western area of the parcel that is relatively flat and categorized as prime agricultural land. The project will allow similar development to be located in relatively close proximity to other non-soil dependent greenhouses and supportive structures used for the same type of crop cultivation (i.e., cannabis). There are no non-agricultural uses on the property.

- (3) *The productivity of an adjacent agricultural land will not be diminished.*

The project seeks to legalize two greenhouses and a water storage tank in the developed centrally located valley of the parcel. The project will not diminish the agricultural productivity of an adjacent land or parcels as the project area is bordered by hills on both sides that are categorized as “other lands” due to their topography.

- (4) *Public services and facility expansions and permitted uses will not impair agricultural viability, including by increased assessment costs or degraded air and water quality.*

The two greenhouses proposed for legalization were built around 2007 and have been in operation for agricultural use ever since. The project will allow these structures to be used for agricultural crop cultivation. Additionally, the new water tank, on-site stormwater treatment facilities, and roadway improvements will facilitate and support agricultural use on the property in an efficient and safe manner.

b. Sensitive Habitats

Policy 7.3 (*Protection of Sensitive Habitats*), Policy 7.5 (*Permit Conditions*), Policy 7.11 (*Establishment of Buffer Zones*), Policy 7.12 (*Permitted Uses in Buffer Zones*), and Policy 7.13 (*Performance Standards in Buffer Zones*) require development in areas adjacent to sensitive habitats be sited and designed to prevent impacts that could significantly degrade the sensitive habitats; require the applicant to demonstrate that there will be no significant impact on sensitive habitats; establish a 30-foot buffer zone from riparian corridors along intermittent streams; and permit impervious surfaces and repair or maintenance of roadways when no feasible or practicable alternative exists subject to performance standards that include minimizing vegetation removal and conforming to natural topography to minimize erosion potential.

According to a biological report prepared by Sol Ecology, the project will have no direct impacts to biotic resources along Frenchman’s Creek Road or on the project site. Paving will be added for the proposed roadway turnouts and minimal grading (135 cubic yards of cut) to an embankment is necessary to accommodate a turnout. Otherwise, no tree removal and minimal vegetation removal is necessary, and the roadway improvements will be within the existing 43-foot-wide roadway easement. The new turnouts are within the 30-

foot buffer zone from these sensitive features but are necessary and have been designed and located to meet fire access requirements while also avoiding sensitive habitats and providing as much distance from these resources as possible. Also, see staff’s discussion in Section A.1.a. above.

c. Visual Resources

Policy 8.5 (*Location of Development*), Policy 8.18 (*Development Design*), and Policy 8.24 (*Large Agricultural Structures*) require agricultural development to use appropriate materials and colors that minimize reflections, minimize visual obtrusiveness, and avoid detracting from the natural characteristics of the site.

The project includes legalizing two existing greenhouses that are less than 18 feet in maximum height, of simple design, and constructed of metal hoop truss and framing with non-reflective coverings (see Attachment C). Additionally, the 28,000-gallon water storage tank will be less than 11 feet in height and made of corrugated metal. A recommended condition of approval requires the exterior finish of the water tank to be non-reflective. These structures are clustered at the northern end of existing agricultural development that consists of greenhouses, barns, and metal storage buildings that are similar in design, material, and colors, to other typical agricultural buildings. Furthermore, the project area is in the valley of the parcel, surrounded by hills on the same parcel, and therefore is minimally visible and not obtrusive to the area. Please also see staff’s discussion in Section A.1.c. above.

3. Conformance with the Zoning Regulations

The project complies with the applicable Planned Agricultural District (PAD) development standards and requirements, discussed below:

a. PAD Development Standards

As shown in the table below, the project conforms to Sections 6458 and 6359 of the San Mateo County Zoning Regulations, which regulate the height and setbacks of structures in the PAD.

	PAD Development Standard	Proposed
Minimum Lot Size	N/A	164.23 acres
Minimum Front Setback	30 feet	+ 1,000 feet
Minimum Side Setbacks	20 feet	+ 1,000 feet

Minimum Rear Setback	20 feet	+ 700 feet
Maximum Building Height	36 feet	17'-4" – Greenhouses 10'-5" – Water tank

b. PAD Permit Requirements

The project conforms to the substantive criteria for the issuance of a PAD Permit, as applicable and outlined in Section 6355 of the Zoning Regulations. As proposed and conditioned, the project conforms to the following applicable policies.

(1) General Criteria

- (a) *The encroachment of all development upon land which is suitable for agricultural uses shall be minimized.*

The two greenhouses being legalized, and new water storage tank are located on prime agricultural land, according to the County’s General Plan (Agricultural Lands map). According to Section 6535.A.4. of the PAD Regulations, non-soil dependent greenhouses may be permitted on prime agricultural land provided there are no alternative building sites on the parcel. A majority of the project parcel consists of sloped topography creating a relatively flat, elongated valley cutting through the center of the parcel. The valley area is categorized as prime agricultural land according to the County’s Agricultural Lands map and composed of prime and non-prime soils. The surrounding hills are predominantly categorized as “other lands” (i.e. land that is not considered prime for agriculture, but may be still suitable for agricultural use), according to the County’s Agricultural Lands map. The parcel’s topography limits development to the parcel’s centrally located valley area, where existing development consisting of greenhouses, metal barn/storage buildings, and warehouses supporting on-site agricultural operations is clustered. The project proposes to legalize two greenhouses and install a new water storage tank in this valley area clustered with other existing development. The greenhouses and water tank will facilitate agricultural use (i.e., cannabis cultivation), and cannot reasonably be located on the surrounding steeply sloped hillsides.

- (b) *All development permitted on a site shall be clustered.*

All development on the property is clustered in the relatively flat, centrally located valley running through the property. The project will result in the location of the two greenhouses and water storage tank in this same developed area.

- (c) *Every project shall conform to the Development Review Criteria contained in Chapter 20A.2 of the San Mateo County Ordinance Code.*

The project, as proposed and conditioned, conforms to the following applicable Development Review Criteria of Chapter 20A.2 of the San Mateo County Ordinance Code:

Section 6324.1 (*Environmental Quality Criteria*), Section 6324.2 (*Site Design Criteria*), and Section 6325.2 (*Primary Fish and Wildlife Habitat Areas Criteria*) seek to cluster development, minimize grading and changes in vegetative cover, locate development so that it is subordinate to the pre-existing character of the area, and protect primary wildlife habitat areas. The two greenhouses and water tank will be clustered nearby existing development in the centrally located and relatively flat valley area of the property that is screened by surrounding hills. At maximum height, these structures will reach less than 18 feet, where 36 feet is the maximum height allowed.

Minimal grading is necessary for the roadway improvements (approximately 135 cubic yards of cut), and on-site stormwater treatment facilities (80 cubic yards of cut); no tree removal is proposed. The greenhouses, water storage tank, and stormwater treatment facilities are located on ruderal grass area. A biological assessment prepared by Sol Ecology concluded that the project does not pose any impacts to sensitive areas, including wildlife habitat areas or riparian vegetation.

Section 6325.3 (*Primary Agricultural Resources Area Criteria*) allows only agricultural and compatible uses on primary agricultural land and agricultural preserve land, and encourages structural uses be located away from prime agricultural soils whenever possible. The project proposes to legalize two greenhouse structures and authorize the construction of a water storage tank that would facilitate agricultural crop cultivation. Additionally,

roadway improvements are necessary as a requirement by the San Mateo County Fire Department for legalizing these greenhouse structures. Section A.3.b.(1)(a) above regarding the location of these structures on prime agricultural land.

(2) Water Supply Criteria

Adequate and sufficient water supplies needed for agricultural production and sensitive habitat protection in the watershed are not diminished.

The existing in-stream water diversion is permitted by water right licenses 6556 and 10827 and an existing California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement for use in irrigating an orchid flower farm and fruit orchards on the property for more than 30 years; both licenses were amended by the State Water Resources Control Board in 2012 under the former owner/operator to improve efficiency and reduce long-term maintenance requirements that were detrimental to the stream corridor.

Water from the creek (Frenchman's Creek) diversion is pumped east and uphill to an existing reservoir (approximately 12.25-acre-foot capacity) that has historically been used to provide water storage for the greenhouse complex. The total amount of water allowed to be diverted in a single season may not exceed 10.65 acre-feet. As part of the change in ownership and shift in the type of agricultural crops being cultivated onsite by the current owners, the total annual diversion for agricultural crops, including the two greenhouses being legalized, is not expected to exceed 4.0 acre-feet in most years, which is well below the allowable 10.66-acre-feet authorized under the existing state licenses. Furthermore, the new water storage tank will aid in providing an efficient irrigation system for the greenhouses where all excess runoff can be collected inside the greenhouses, filtered and circulated back through the tank.

(3) Criteria for the Conversion of Prime Agricultural Lands

The PAD Regulations allow the conversion of prime agricultural land permitted by a PAD Permit when the following can be demonstrated:

- (a) *No alternative site exists on the parcel for the use.*

- (b) *Clearly defined buffer areas are provided between agricultural and non-agricultural uses.*
- (c) *The productivity of an adjacent agricultural land will not be diminished.*
- (d) *Public services and facility expansions and permitted uses will not impair agricultural viability, including by increased assessment costs or degraded air and water quality.*

See staff's discussion in Section A.2.a. above.

B. AGRICULTURAL ADVISORY COMMITTEE

The project was reviewed at the March 9, 2020 Agricultural Advisory Committee's regular meeting and the Committee recommended approval of the project.

C. ENVIRONMENTAL REVIEW

A Mitigated Negative Declaration (MND) was prepared for proposed activities at the project site, which included the subject project scope, as well as the issuance of cannabis cultivation licenses. The MND was adopted by the County of San Mateo, acting as Lead Agency, on November 15, 2019, at the time the County issued the initial cannabis cultivation licenses for cultivation within legal greenhouses onsite; no cultivation licenses were issued for the subject illegal greenhouses. The use of the subject greenhouses, construction of the water tank, and road improvements were evaluated in the adopted Mitigated Negative Declaration.

Pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15164 (Addendum to an EIR or Negative Declaration), the lead agency may prepare an addendum to an adopted negative declaration if only minor changes or additions are necessary, and none of the conditions described in Section 15162, related to substantial changes requiring major revisions to the previously approved negative declaration, have occurred. An addendum need not be circulated for public review, but the decision-making body shall consider the addendum with the adopted negative declaration prior to making a decision on a project.

Staff has concluded that minor modifications to the previously adopted MND are needed to correct and/or clarify inaccuracies. However, no substantial changes or new significant impacts have been identified, and no new mitigation measures are required. Therefore, pursuant to CEQA Guidelines Section 15164, the below modifications are considered an addendum to the previously adopted negative declaration, and no additional environmental review is required. Applicable

mitigation measures from the previously adopted MND have been included as Conditions of Approval in Attachment A.

Mitigated Negative Declaration Addendum

This addendum includes modifications to the previously adopted MND with additions shown in double underline and deletions shown in ~~striketrough~~. Only those portions of the MND that will be modified are included below; all other portions of the MND remain unchanged.

10. Description of Project:

Water Tank

The applicants have begun construction of a 28,000-gallon water storage tank, which is located immediately adjacent to Greenhouse 09-N. Prior to the beginning of construction, this was a flat grassy area that was previously used for field grown flowers. At the present time, those areas not affected by construction are covered by non-native grasses and weeds. No biotic resources have been identified at this location. The corrugated metal tank stands 8 feet 4 inches tall and has a diameter of 25.5 feet and is anchored to a concrete pad. Once completed, the new tank will be incorporated into the existing water supply infrastructure on the site to support a closed loop irrigation system for the two greenhouses that would allow excess runoff to be collected inside the greenhouses, filtered and circulated back through the tank. Additionally, the new water tank ~~and~~ will provide additional on-site water storage for fire suppression. ~~The need for additional on-site water storage for fire suppression was identified by the Coastside Fire Protection District as part of their review of the building permit application to legalize Greenhouses 9N and 9S.~~

Road Improvements

~~In addition to the water storage tank,~~ The Coastside Fire Protection District, as part of their review of the building permit application to legalize Greenhouses 9N and 9S, requested that the applicants improve Frenchman's Creek Road. Frenchman's Creek Road is a private road that extends approximately 5,000 feet in length from its intersection with Cabrillo Highway to the spur road leading into the greenhouse complex. The road in its existing condition averages 18-19 feet in width, but with several sections where the width drops down to as little as 10-13 feet in width. In its present condition, the road does not meet current Fire District standards for width, and lacks turnouts to allow vehicles to pull off to the side and allow emergency vehicle passage. Additionally, the road surface is in disrepair with numerous potholes and broken sections of asphalt. The first 3,500 feet

of the road lies within the jurisdiction of the City of Half Moon Bay, which has permitting authority for any road improvements on this first portion of road.

To address the Fire District's access requirements, the applicants are proposing to repave the portion of Frenchman's Creek Road that lies within the City's jurisdiction with a 2-inch asphalt overlay that extends only to the limits of the existing gravel shoulders and make paving repairs along the segment of the roadway within the County's jurisdiction, as deemed necessary to meet minimum San Mateo County Fire Department requirements. In addition, several turnouts will be constructed, per Fire District standards, along the length of the road. The only grading required to construct the improvements is minor, cutting back of a bank at Station 44+00 (approximately 135 c.y.). The new pavement for the turnouts will add an additional 1,250 sq. ft. of asphalt to the existing road. The Coastside Fire Protection District and San Mateo County Fire Department ~~has~~ have reviewed the proposed road improvement plans and approved the proposed plan.

Stormwater Treatment Facilities

Proposed on-site stormwater treatment facilities include the construction of an 860 sq. ft. bioretention area in the location of an existing drainage swale, adjacent to an existing paved interior roadway, south of Greenhouse 09-S.

2. AGRICULTURAL AND FOREST RESOURCES.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
2.b. Conflict with existing zoning for agricultural use, an existing Open Space Easement, or a Williamson Act contract?			<u>X</u>	X
<p>Discussion: The Project site is zoned for agricultural use; cultivation of cannabis is an agricultural activity consistent with this agricultural zoning. The proposed site project parcel is not subject to an existing Open Space Easement or Williamson Act contract, County File No. AP 66-01, and remains under contract. <u>The proposed project will support continued commercial agricultural production in compliance with the parcel's contract and Williamson Act regulations.</u></p> <p>Source: San Mateo County Zoning Regulations; San Mateo County GIS</p>				

3. AIR QUALITY.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
3.b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?			X	
<p>Discussion: The proposed project will utilize existing greenhouse buildings. There is no evidence to suggest that the cultivation activities will generate significant new levels of criteria air pollutants (ROG, NOx, PM10 and PM2.5), or Toxic Air Contaminants (TAC), or Greenhouse Gases (GHGs). The proposed project does not include any construction activities which would generate criteria air pollutants, TACs or GHGs. Nor is t<u>There is no</u> evidence to suggest that the cultivation process will generate significant levels of GHGs.</p> <p><u>Air emissions, in the form of fugitive dust and exhaust from construction vehicles, would be generated during grading and construction-related activities associated with the proposed roadway improvements; however, such emissions would be temporary and localized. Adherence to basic construction Best Management Practices outlined by the BAAQMD and included as project conditions of approval would ensure that construction-related emissions do not result in a significant increase of any criteria pollutants.</u></p> <p>There are two small stationary diesel generators on the Project site. Both are contained within buildings on the site (Buildings 5 and 12 on the site plan). These generators were installed by previous property owners. At the present time, the applicants have not been able to ascertain whether the previous property owner has registered these generators with the BAAQMD in accordance with the District's Regulation 11, Rule 17 (<i>Limited Use Stationary Compression Ignition (Diesel) Engines in Agricultural Use</i>). This rule provides an exemption for very-low use (less than 20 hours per year) stationary engines. But the owner or operator of a stationary agricultural diesel engine must register the engine in the District's Agricultural Diesel Engine Registration Program, and renew registration annually. The program also requires an owner or operator to document the number of hours the generator is used during the year.</p> <p>In addition to the Air District's regulations, Section 8306 (<i>Generator Requirements</i>) of the CalCannabis Regulations require license applicants using generators to demonstrate compliance with the above rule by providing "a Permit to Operate, or other proof of engine registration, obtained from the Local Air District with jurisdiction over the licensed premises." Additionally, Section 8306 requires:</p> <p>(d) All generators shall be equipped with non-resettable hour-meters. If a generator does not come equipped with a non-resettable hour-meter an after-market non-resettable hour-meter shall be installed.</p>				

Any future use of the diesel generators for the proposed cultivation activities will be in compliance with the CalCannabis Regulations and subject to the registration and operating requirements of the District. Compliance with these requirements will ensure that the project will not generate a cumulatively considerable increase in criteria air pollutants.

Source: Bay Area Air Quality Management District (BAAQMD), 2017. Bay Area 2017 Clean Air Plan; Bay Area Air Quality Management District (BAAQMD), 2011: Regulation 11 (Hazardous Pollutants), Rule 17 - Limited Use Stationary Compression Ignition (Diesel) Engines in Agricultural Use; California Code of Regulations, Title 3. Food and Agriculture, Division 8. Cannabis Cultivation, Chapter 1. Cannabis Cultivation Program (CalCannabis Regulations); Project Plans

4. BIOLOGICAL RESOURCES.

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
4.b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service or National Marine Fisheries Service?				X

Discussion: As discussed above, there will be no physical changes to the existing stream diversion structure on Frenchman's Creek. Nor will there be a change to the rate, total amount or time of year during which water can be withdrawn from the Creek. The project will not have a new, significant impact upon the riparian habitat of Frenchman's Creek. With regard to the fragmentary riparian habitat within the greenhouse complex, no cultivation activities or other potential ground disturbing activities are proposed in or adjacent to this habitat. The partially constructed water tank (discussed in the amended Project Description section) is approximately 180 feet away from the nearest identified sensitive habitat (ephemeral stream channel), with an active driveway between the tank location and the stream channel. The area where the water tank is being constructed was formerly used for field crown flowers and at the present is covered by non-native Grasses and weeds. All cultivation activities will continue to occur within the existing greenhouse buildings. In conjunction with the submittal of the road improvement plans, the applicants submitted a biological report, prepared by Sol Ecology, which assessed potential riparian and wetland habitat adjacent to the road and any potential impact the project might have on said resources. One agricultural pond was identified adjacent to the proposed road work. This pond is approximately 35 feet away from any area of disturbance. Additionally, two riparian areas associated with culverted drainages exist on either side of the road. Proposed turnout areas have been sited away from these features in order to minimize any potential impacts and road repaving will extend to the limits of existing paved and graveled

shoulders. No road repaving is proposed near these two areas. No direct impacts to biotic resources were identified by the biologist. However, the biologist recommended several standard Best Management Practices to ensure no impacts to transient resources, such as California red-legged frog. Those recommended measures will be imposed as conditions of approval (Conditions 13 - 16).

Source: Project Plan, Site Reconnaissance

7. GEOLOGY AND SOILS.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
7.b. Result in substantial soil erosion or the loss of topsoil?			<u>X</u>	X
<p>Discussion: <u>No construction or soil disturbance is proposed as part of this application. All cultivation activities will occur within existing greenhouse buildings which have concrete floors. Minor grading, including approximately 135 cubic yards of cut at Station 44+00 along Frenchman’s Creek Road to accommodate one of the fire turnouts and 80 cubic yards of excavation install the 860 sq. ft. bioretention area for stormwater treatment for the greenhouses is necessary. The applicant is proposing construction Best Management Practices that will ensure any erosion and sedimentation is minimized.</u></p>				
<p>Source: Project Plans, Site visit</p>				

10. HYDROLOGY AND WATER QUALITY.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
10.f. Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide significant additional sources of polluted runoff?				X
<p>Discussion: <u>The proposed project will continue to utilize the existing greenhouse buildings/structures on the site. No new buildings are proposed. Absent any physical alteration of the site, there is no evidence to conclude that cannabis cultivation will increase the rate or amount of surface runoff above existing levels. On-site stormwater treatment facilities are proposed (i.e., an 860 sq. ft. bioretention area) within an existing drainage swale, adjacent to an existing paved interior roadway near the project area, to offset the new impervious area created by the water tank.</u></p>				
<p>Source: Project Plans, Site Visit</p>				

13. NOISE.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
13.a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
<p>Discussion: The existing greenhouses are equipped with exhaust fans which generate, on average, 80 dB of noise, when measured ten feet from the source. There are two residences on agricultural parcels adjacent to the Project site. The closest residence, 840 Frenchman’s Creek Road, is approximately 400 feet to the southwest of the nearest greenhouse. Sound pressure levels decrease by 6 dB with the doubling of the distance from noise source to receptor. Based upon this ratio, noise levels generated by the use of the exhaust fans in these closest greenhouses should be in the range of 45 to 50 dB. This is on par with the noise levels generated by a refrigerator within a home (typically 50 dB). The other nearby residence, 511 Frenchman’s Creek Road, is approximately 800 feet away from the nearest greenhouse. Based upon the ratio, noise from exhaust fans in these greenhouses should be less than 45 dB. This level of noise does not violate County noise regulations (Ordinance Code Chapter 4.88) nor does it conflict with EPA noise limits designed to protect hearing.</p> <p><u>Additionally, a temporary increase in noise would be generated with the proposed roadway improvement work; however, such temporary construction-related noises are regulated by Section 4.88.360 (Exemptions) of the County of San Mateo Ordinance Code for Noise Control and the City of Half Moon Bay Municipal Code Chapter 14.40 (Hours of Construction). Thus, no further mitigation is required.</u></p> <p>Source: SMCo. GIS; Center for Hearing and Communication, “Common Environmental Noise Levels”, <u>County of San Mateo Ordinance Code, City of Half Moon Bay Municipal Code</u></p>				
13.b. Generation of excessive ground-borne vibration or ground-borne noise levels?			<u>X</u>	X

Discussion: Typical sources of ground-borne vibration or noise include construction (i.e. – grading of a site prior to construction) or the use of manufacturing equipment (for example a metal lathe or grinding equipment). ~~As stated previously, no new construction is proposed nor are~~ The applicants are not proposing to utilize heavy industrial equipment that would generate ground-borne vibration or noise. The project would generate a temporary increase in noise and vibration from limited construction and grading activities associated with the proposed roadway improvements; however, any such increases would be for a short period of time and would be generated in a rural, low-density area where impacts would be minimal and limited.

Source: Project Plans, Site Visit

D. REVIEWING AGENCIES

Building Inspection Section
San Mateo County Fire Department

ATTACHMENTS

- A. Recommended Findings and Conditions of Approval
- B. Location Map
- C. Greenhouses 09-N and 09-S Plans
- D. Water Storage Tank Plans
- E. Drainage/Civil Plans
- F. Roadway Improvement Plans
- G. Adopted Mitigated Negative Declaration with minor amendments, dated November 15, 2019

SSB:cmc – SSBEE0171_WCU.DOCX

County of San Mateo
Planning and Building Department

RECOMMENDED FINDINGS AND CONDITIONS OF APPROVAL

Permit or Project File Number: PLN 2018-00330

Hearing Date: May 13, 2020

Prepared By: Summer Burlison,
Project Planner

For Adoption By: Planning Commission

RECOMMENDED FINDINGS

For the Environmental Review, Find:

1. That only minor modifications to the Mitigated Negative Declaration adopted November 15, 2019 are required, and are provided in the Addendum included in the May 13, 2020 Planning Commission staff report, and that the minor modifications do not constitute substantial changes requiring major revisions to the previously adopted Mitigated Negative Declaration, and no new mitigation measures are required.
2. That the San Mateo County Planning Commission has considered the Addendum included in the May 13, 2020 staff report, along with the previously adopted Mitigated Negative Declaration, and determined no new significant environmental effects or substantial increase in the severity of environmental effects will occur and therefore that further environmental review is not required, pursuant to Section 15162 of the CEQA Guidelines.

For the Coastal Development Permit, Find:

3. That the project, as described in the application and accompanying materials required by Section 6328.7 and as conditioned in accordance with Section 6328.14, conforms to the plans, policies, requirements and standards of the San Mateo County Local Coastal Program (LCP), specifically with regard to the Agricultural, Sensitive Habitats, and Visual Resources Components of the Local Coastal Program.
4. That the project is not subject to the public access and public recreation policies of Chapter 3 of the Coastal Act of 1976 (commencing with Section 30200 of the Public Resources Code) since the project is not located between the nearest public road and the sea, or the shoreline of Pescadero Marsh.
5. That the project conforms to specific findings required by policies of the San Mateo County LCP with regard to Agricultural, Sensitive Habitats, and Visual

Resources Components. Specifically, the project involves legalizing two non-soil dependent greenhouses and authorizing supportive infrastructure improvements to support agricultural use of the property. The project includes converting prime agricultural land for the non-soil dependent greenhouses, which is conditionally allowed on the basis that topographic constraints on the parcel limit the location for these structures and the location will not diminish or impair the agricultural productivity or viability of any surrounding lands. Additionally, the project, as proposed and conditioned, will not pose any significant impacts to sensitive habitats or visual resources.

For the Planned Agricultural District Permit, Find:

6. That the project meets the *General Criteria* for issuance of a PAD Permit, including that (a) the encroachment of all development upon land which is suitable for agricultural uses is minimized, (b) all development permitted on the site is clustered, and (c) the project conforms to the applicable Development Review Criteria contained in Chapter 20A.2 of the San Mateo County Ordinance Code, including Section 6324.1 (*Environmental Quality Criteria*), Section 6324.2 (*Site Design Criteria*), Section 6325.2 (*Primary Fish and Wildlife Habitat Areas Criteria*), and Section 6325.3 (*Primary Agricultural Resources Area Criteria*). Specifically, the project is located in the valley area of the property designed prime agricultural land, clustered with other agricultural development, as it cannot reasonably be located on the surrounding steeply sloped hillsides of the property designed “other lands”. Additionally, the project proposes minimal grading, including 135 cubic yards of cut to accommodate a required fire turnout area along Frenchman’s Creek Road and 80 cubic yards for the construction of on-site stormwater treatment facilities (i.e., bioretention area); no tree removal is required. The project, as proposed and conditioned, will avoid any impacts to sensitive areas, including wildlife habitat or riparian vegetation.
7. That the project meets the *Water Supply Criteria* for ensuring adequate and sufficient water supplies necessary for agricultural production and sensitive habitat protection in the watershed are not diminished. The project will utilize surface water withdrawn from Frenchman’s Creek, as permitted by their historic State Water Resources Control Board licenses for diversion and Lake and Streambed Alteration Agreement (California Department of Fish and Wildlife). Water calculations show that the total annual diversion for agricultural operations on the property, including the subject project, is not expected to exceed 4.0 acre-feet in most years, well below the allowable 10.66 acre-feet authorized under the existing state licenses.
8. That the project meets the *Criteria for the Conversion of Prime Agricultural Lands*, including that (a) no alternative site exists on the parcel for the use, (b) clearly defined buffer areas are provided between agricultural and non-agricultural uses, (c) the productivity of any adjacent agricultural land will not be diminished, and (d) public services and facility expansions and permitted uses will not impair

agricultural viability, including by increased assessment costs or degraded air and water quality. Specifically, topographic constraints on the parcel limit development to areas of the parcel designated prime agricultural lands and the project proposes to further facilitate and support agricultural use of the property. As the property will continue to be used for commercial agricultural operations, there are no non-agricultural uses on the property. The project area is bordered by hills on both sides that are categorized as “other lands” due to their topography, thus the project will not diminish the agricultural productivity of adjacent lands or parcels; and facility improvements, including a new water storage tank, stormwater treatment facilities, and roadway improvements along Frenchman’s Creek Road, will support continued agricultural operations on the property in an efficient and safe manner.

RECOMMENDED CONDITIONS OF APPROVAL

Current Planning Section

1. The approval applies only to the proposal as described in this report and materials submitted for review and approval by the Planning Commission on May 13, 2020. The Community Development Director may approve minor revisions or modifications to the project if they are found to be consistent with the intent of, and in substantial conformance with, this approval.
2. These permits shall be valid for one (1) year from the date of final approval in which time a valid building permit shall be issued and a completed inspection (to the satisfaction of the Building Inspection Section) shall have occurred within 180 days of its issuance. Any extension of these permits shall require submittal of a written request for permit extension and payment of applicable extension fees sixty (60) days prior to the expiration date.
3. Prior to the issuance of building permits for the greenhouses, the applicant shall pay all applicable Affordable Housing Impact Fees, pursuant to San Mateo County Ordinance No. 4758. The impact fees shall be assessed at \$5.00 per sq. ft. over 3,500 sq. ft. of net new gross floor area.
4. The water tank shall have an exterior finish that is non-reflective. Verification by the Current Planning Section that the exterior finish of the water tank is non-reflective shall occur prior the final building inspection.
5. The following Biological Best Management Practices (BMPs), outlined by Sol Ecology, shall be implemented for the roadway improvement work:
 - a. All roadway improvement work shall be performed during the dry season and no work should occur within 30 minutes of sunrise or sunset, or during the night.

- b. BMPs should be utilized when construction related activities occur near wetlands and streams. BMPs should consist of tightly woven fiber netting or similar material for erosion control or other purposes to ensure amphibian and reptile species do not get trapped. Plastic mono-filament netting (erosion control matting), rolled erosion control products, or similar material shall not be used.
 - c. The contractor shall provide materials submittals to the Project Engineer and Project Biologist for wildlife exclusion fencing and any proposed landscaping or erosion control materials (including hydroseed, hydromulch, etc.) for review and approval at least five (5) business days prior to commencing roadway improvement construction activity.
 - d. The contractor shall contact the Project Biologist to schedule a pre-construction biological survey of the construction site, to be performed within 48 hours of commencement of construction. The Biological monitor will perform a pre-construction survey to verify installation of wildlife exclusion fencing and for special-status species or their habitat. If special-status species or their habitat occur within the project site (including staging and access routes) the biological monitor will take the necessary steps to avoid impacts to these species and their habitat and notify public agencies with jurisdiction regarding the discovery of said species and proposed response. The contractor shall not proceed with commencing work until mitigation measures have been approved and implemented.
6. **Mitigation Measure 3:** If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, California Department of Fish and Wildlife shall be consulted before any change in use or modification of the building occurs.
7. As part of the building permit plans submittal, the applicant shall include a plan that, at a minimum, includes the Bay Area Air Quality Management District's Construction BMPs for minimizing air emissions. These measures shall be implemented prior to beginning any ground disturbance and shall be maintained for the duration of the project activities:
- a. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access road) shall be watered two times per day.
 - b. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

- c. All visible mud or dirt track-out onto adjacent paved roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
 - d. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
 - e. Idling times shall be minimized either by shutting equipment or vehicles 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.
 - f. 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.
 - g. Post a publicly visible sign with the telephone number and person to contact at the County regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Bay Area Air Quality Management District's phone number shall also be visible to ensure compliance with applicable regulations.
8. The applicant shall submit an erosion control plan in compliance with the County's General Erosion and Sediment Control Plan Guidelines Checklist for review and approval as part of the building permit plans submittal.
9. As part of the building permit plans submittal, the applicant shall include a plan that adheres to the San Mateo Countywide Stormwater Pollution Prevention Program "General Construction and Site Supervision Guidelines", including, but not limited to, the following which shall be implemented prior to beginning any ground disturbance and shall be maintained for the duration of the project activities:
- a. Delineation with field markers of clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses within the vicinity of areas to be disturbed by construction and/or grading.
 - b. Protection of adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.
 - c. Performing clearing and earthmoving activities only during dry weather.
 - d. Stabilization of all denuded areas and maintenance of erosion control measures continuously between October 1 and April 30.

- e. Storage, handling, and disposal of construction materials and wastes properly, so as to prevent their contact with stormwater.
 - f. Control and prevention of the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, and non-stormwater discharges to storm drains and watercourses.
 - g. Use of sediment controls or filtration to remove sediment when dewatering site and obtain all necessary permits.
 - h. Avoiding cleaning, fueling, or maintaining vehicles on-site, except in a designated area where wash water is contained and treated.
 - i. Limiting construction access routes and stabilization of designated access points.
 - j. Avoiding tracking dirt or other materials off-site.
 - k. Training and providing instruction to all employees and subcontractors regarding the Watershed Protection Maintenance Standards and construction Best Management Practices.
 - l. Additional Best Management Practices in addition to those shown on the plans may be required by the Building Inspector to maintain effective stormwater management during construction activities. Any water leaving the site shall be clear and running slowly at all times.
 - m. Failure to install or maintain these measures will result in stoppage of construction until the corrections have been made and fees paid for staff enforcement time.
10. Prior to the issuance of a building permit, the applicant shall submit a permanent stormwater management plan in compliance with the County's Drainage Policy and NPDES requirements for review and approval by the Planning and Building Department's Civil Section.
11. The project shall comply with all requirements of the Municipal Regional Stormwater NPDES Permit Provision C.3. Please refer to the San Mateo Countywide Water Pollution Prevention Program's (SMCWPPP) C.3 Stormwater Technical Guidance Manual for assistance in implementing LID measures at the site: <http://www.flowstobay.org/newdevelopment>.
12. Prior to the final of the building permit for the project, the property owner shall coordinate with the Project Planner to enter into an Operation and Maintenance Agreement (O&M Agreement) with the County (executed by the Community

Development Director) to ensure long-term maintenance and servicing by the property owner of stormwater site design and treatment control and/or hydromodification management measures according the approved Maintenance Plan(s), for the life of the project. The O&M Agreement shall provide County access to the property for inspection. The Maintenance Agreement(s) shall be recorded for the property.

13. Site access shall be granted to representatives of the County, the San Mateo County Mosquito and Vector Control District, and the Water Board, at any time, for the sole purpose of performing operation and maintenance inspections of the installed stormwater treatment systems and any hydromodification management controls. A statement to that effect shall be made a part of the Maintenance Agreement recorded for the property.
14. The property owner shall be required to pay for all County inspections of installed stormwater treatment systems as required by the Regional Water Control Board or the County.
15. Noise sources associated with demolition, construction, repair, remodeling, or grading of any real property shall be limited to the hours from 7:00 a.m. to 6:00 p.m., weekdays and 9:00 a.m. to 5 p.m., Saturdays. Said activities are prohibited on Sundays, Thanksgiving, and Christmas (San Mateo County Ordinance Code Section 4.88.360).

Building Inspection Section

16. Each structure approved under these CDP and PAD permits shall require a building permit and shall comply with all applicable building codes and regulations.
17. A valid building permit shall be obtained prior to the commencement of any work.

San Mateo County Fire Department

18. Fire Department access shall be to within 150 feet of all exterior portions of the facility and all portions of the exterior walls of the first story of the buildings as measured by an approved access route around the exterior of the building or facility. Access shall be a minimum of 20 feet wide, 2-inch asphalt over 95 percent compaction, all weather capability, and able to support a fire apparatus weighing 75,000 pounds. Where a fire hydrant is located in the access, a minimum of 26 feet is required for a minimum of 20 feet on each side of the hydrant. This access shall be provided from a publicly maintained road to the property. Grades over 15 percent shall be paved and no grade shall be over 20 percent.
19. All buildings that have a street address shall have the number of that address on the building, mailbox, or other type of sign at the driveway entrance in such a

manner that the number is easily and clearly visible from either direction of travel from the street.

20. Portable fire extinguishers with a minimum rating of 2A-10BC are required to be placed throughout your project. Contact a licensed/certified fire extinguisher company for proper placement of the required extinguishers. Documentation is required on building plans at the building permit application stage. Proper installation is required prior to Fire's final approval of building permits.
21. Maintain around and adjacent to such buildings or structures a fuelbreak/firebreak made by removing and clearing away flammable vegetation for a distance of not less than 30 feet and up to 100 feet around the perimeter of all structures, or to the property line, if the property line is less than 30 feet from any structure.
22. Six (6) Wet Draft Hydrants with a 2-1/2 inch National Hose Thread outlet with a valve shall be mounted 30 to 36 inches above ground level and within 5 feet of the main access road or driveway, and not less than 50 feet from any portion of any building nor more than 150 feet from the main residence or building.
23. Because of limited access into your property, the authority having jurisdiction is requiring the installation of a Knox Box, Knox Key Switch, or Knox Padlock to allow rapid response of emergency vehicles onto your property in case of a fire or medical emergency. For an application or further information please contact the Coastside Fire Marshal's Office at 650/726-5213.
24. The water storage tank shall be so located as to provide gravity flow to a standpipe/hydrant. Plans and specifications shall be submitted to the San Mateo County Building Department for review and approval by the authority having jurisdiction.
25. A Site Plan showing all required components of the water system is required to be submitted with the building plans to the San Mateo County Building Department for review and approval by the authority having jurisdiction for verification and approval. Plans shall show the location, elevation and size of required water storage tank, the associated piping layout from the tank to the structures, the size of and type of pipe, the depth of cover for the pipe, technical data sheets for all pipe/joints/valves/valve indicators, thrust block calculations/joint restraint, the location of the standpipe/hydrant and the location of any required pumps and their size and specifications.

SSB:cmc – SSBEE0171_WCU.DOCX



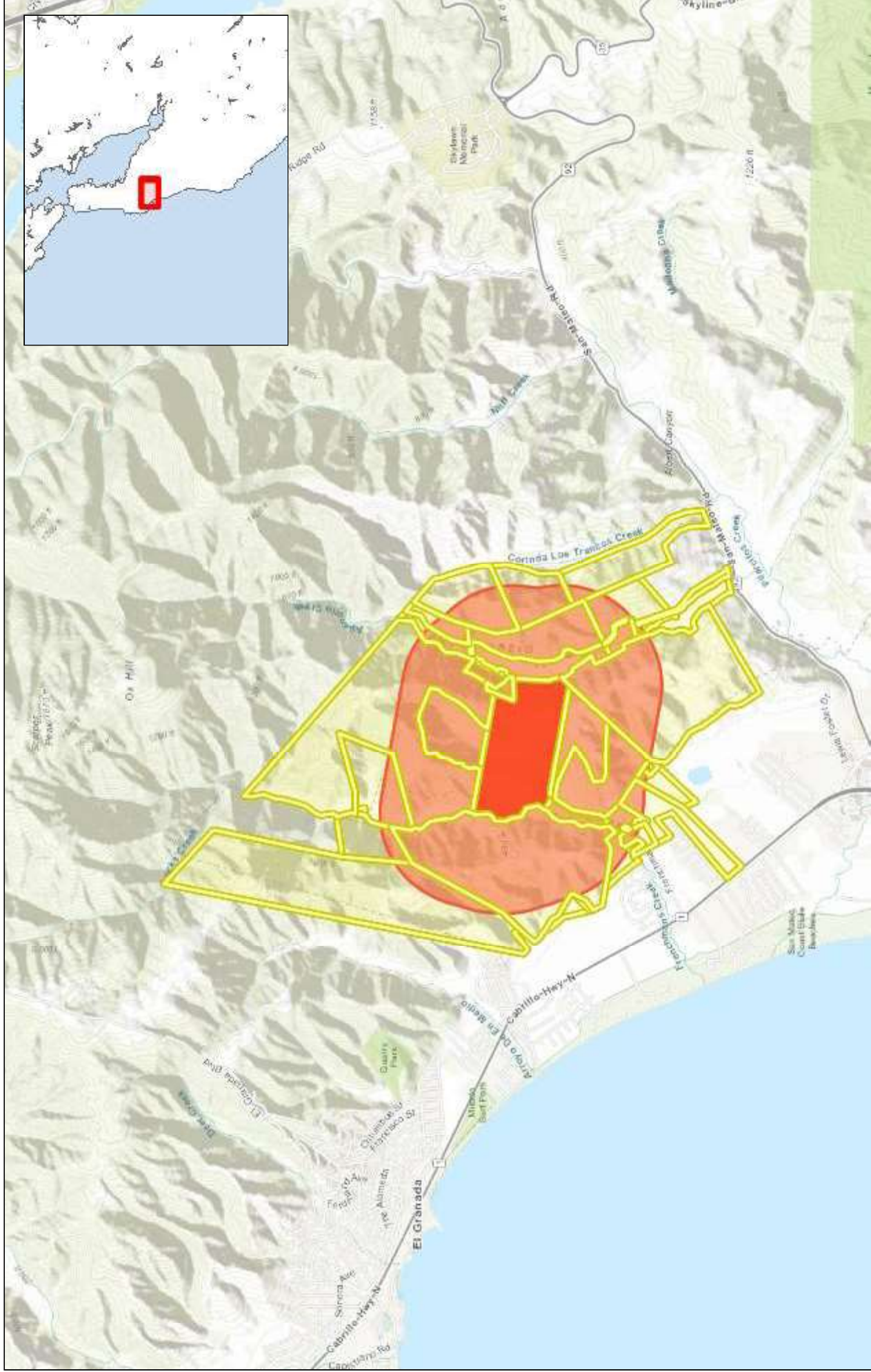
COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT B



San Mateo County

ATTACHMENT B: Location Map



This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

1: 54,440

1.72 Miles





0.57



WGS_1984_Web_Mercator_Auxiliary_Sphere
 © Latitude Geographics Group Ltd.

1: 18,056



This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT C

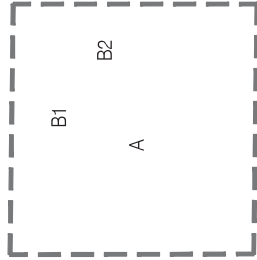
ATTACHMENT C: Greenhouse Plans

Half Moon Grow Inc.
Green Houses 09N&09S
37K Frenchman's Creek Rd.
Half Moon Bay
APN: 048-320-020

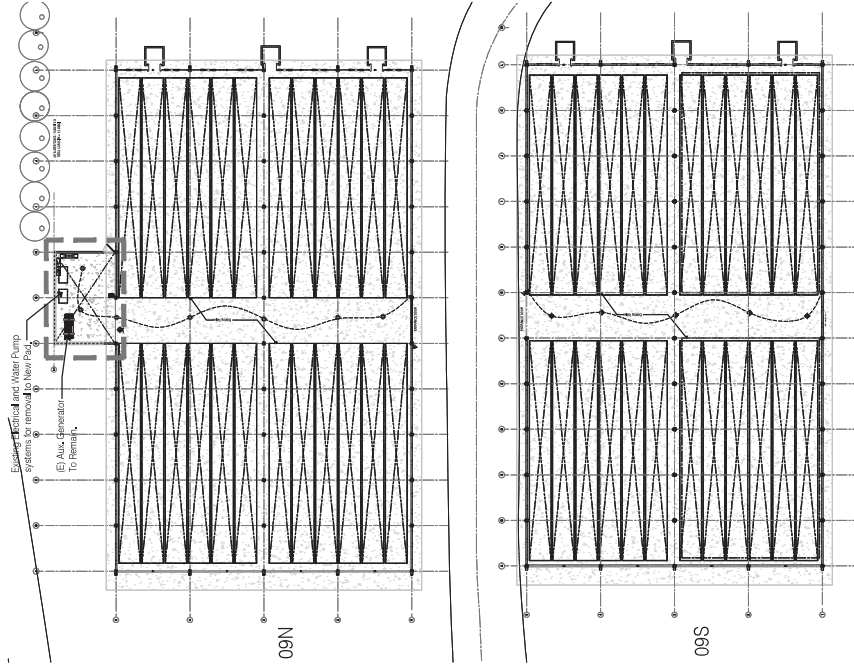


00 Vicinity Map

NTS



B1 #4 Container
B2 20' Container
New Pad Location for:
Existing Electrical System &
Existing Water Pump System
(Separate Permit Application)



00 09 Existing Floor Plan

Project Data:
APN: 048-320-020
Zoning: PAD/CD
Occupancy: U
Const. Type: II-B

Applicable Codes:

- CALIFORNIA STATE CANARAK ORDINANCE
- CALIFORNIA STATE ZONING AND BUILDING ORDINANCES
- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA ENERGY CODE
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
- ANY APPLICABLE COUNTY CODES, ORDINANCES, OR REGULATIONS, AND CITY ORDINANCES AND REGULATIONS.
- IBC 2010, 1, 2, 3 and Occupant - 37 D.L.

Scope of Work:

- Show Structural details for (E) footings of the Greenhouses.
- Move (E) Water pump & (E) Electrical Services to New dedicated Container Locations. New Containers to be located at (E) 19' x 30' x 10' (E) 19' x 30' x 10'.

General Notes:

These Plans are the Architects' interpretation of all the owner's expectations. The Architect, Electrical Contractors, Engineers of all disciplines not limited to Fire, Mechanical, Electrical, Plumbing, Structural Civil to check and validate all existing and proposed work. The Contractor to bring to attention any discrepancies between the existing conditions and the drawings.

Project Contacts:
Owner Representatives: Ed Wilson
edwilson@halfmoonbay.com
Architect: Edward C. Love
ecl@edwardclove.com

SKRR LLC
PH01 Existing Conditions
37K Frenchman's Creek Rd
Halfmoon Bay, Ca. 94019

Structural Engineer:
Blair Dobson
P.O. Box 100
Marina, CA 94037
657.222.2119
Contractor: M. J. O'Connell
407.963.9303

General Contractor:
Dean Orsavovic
1770 Golden Foothill Pkwy
El Dorado Hills, CA 95762
925.838.5536
dejan@kbschekoda.com
Contractor Lic.#: 1001389

Electrical Engineer:
Ben Shevler
ECOM Electrical Eng.
1798 Tibbels Road, Suite 100
Sacramento, CA 95834
916.570.1883
Lic.# E 15404

Plumbing Engineer:
Chelle Solventoft
cs@hvacsteamenergy.net
415.619.1400

Soils Engineer:
Sigma Prime Geotechnics, Inc.
Chelle Kistick
322 Princeton Ave.
Half Moon Bay, CA 94041
650-728-8590
sigmaprime@pacbell.net

REVISIONS

00	CSB	10/21/19
01	CSB/CFD	7/20/19
02	CSB	6/22/19



SKRR LLC
PH01 Existing Conditions
37K Frenchman's Creek Rd
Halfmoon Bay, Ca. 94019

09 General Information



DATE	10/18/19
SCALE	per drawing
DRAWN BY	Mc
CHECKED BY	37k/gld/1

09 G00

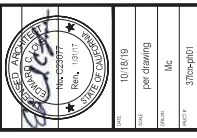
REVISIONS		
03	CSS	10.01.19
02	CSS/CFD	7.20.18
01	CSS	05.02.18



Edward C. Love Architect
 720 MILL STREET
 HALF MOON BAY, CA 94019
 edwardc@earthlink.net
 edwardc@earthlink.net

SKRR LLC
 37K Frenchmans Creek Rd
 Halfmoon Bay, Ca., 94019

09 Area Plan & Floor Area Overview



EDWARD C. LOVE
 No. 22397
 Exp. 12/31/17
 State of California
 PROFESSIONAL ENGINEER
 CIVIL
 PER. 10/18/19
 DATE: 10/18/19
 DRAWN BY: MC
 CHECKED BY: MC
 PROJECT: 3705-0901

09 G01

Building 09 Notes:

- Existing Green Electrical Switch-House,
 1. Disconnect and cap H2O supply to Existing Pump Rm.
 2. Disconnect and Exist. Electrical supply to Pump Rm.
 3. Remove all Electrical Hydr. pumps and related equipment.
 4. Back-Up Generator to remain.
 5. Move Electrical and Hydro Equipment to new separated locations.
 (See Elev. Pad with allocated dedicated containers)
 6. Discontinued use of Cooling walls.
 Disconnect and cap supply lines to cooling walls shown.

- (A) 20,000gal Water Tank (Separate Permit Application)
- (B) 47' Container
- (C) 20' Container

EGRESS DOORS
 01. Dual Solid Swing Doors Net. Min. 21' Width/8' Clear
 02. 3600 Swing Door Net/Min. 7' Clear, Width 02'

- 1. 550k Max. Allowable On-Site Fuel capacity.
- 2. All Auxiliary Power Generators Existing.
- 3. All Generator Sheds to have 40-BC Min. Fire extinguisher, 1Min.
- 4. All Generator Sheds to have 70Ml. Diamond placed at Shed Entrances

Allowable Area Calculation
 Single Compartment One Story Buildings

Where:
 A = Tabular Area of
 per Table 506.2
 NS = Tabular Area Factor for Non-Sprinkler Buildings
 W = Area Factor Increase based on
 frontage/Open space increase as % per 506.3

Where:
 W = Width of Open space
 Wm = Width of perimeter, perimeter wall
 Wm = Width of 20ft of public way or open space
 associated w/ that portion of the perimeter wall
 F = Bling perimeter fronting on public way or
 open space having a width of 20ft or more.

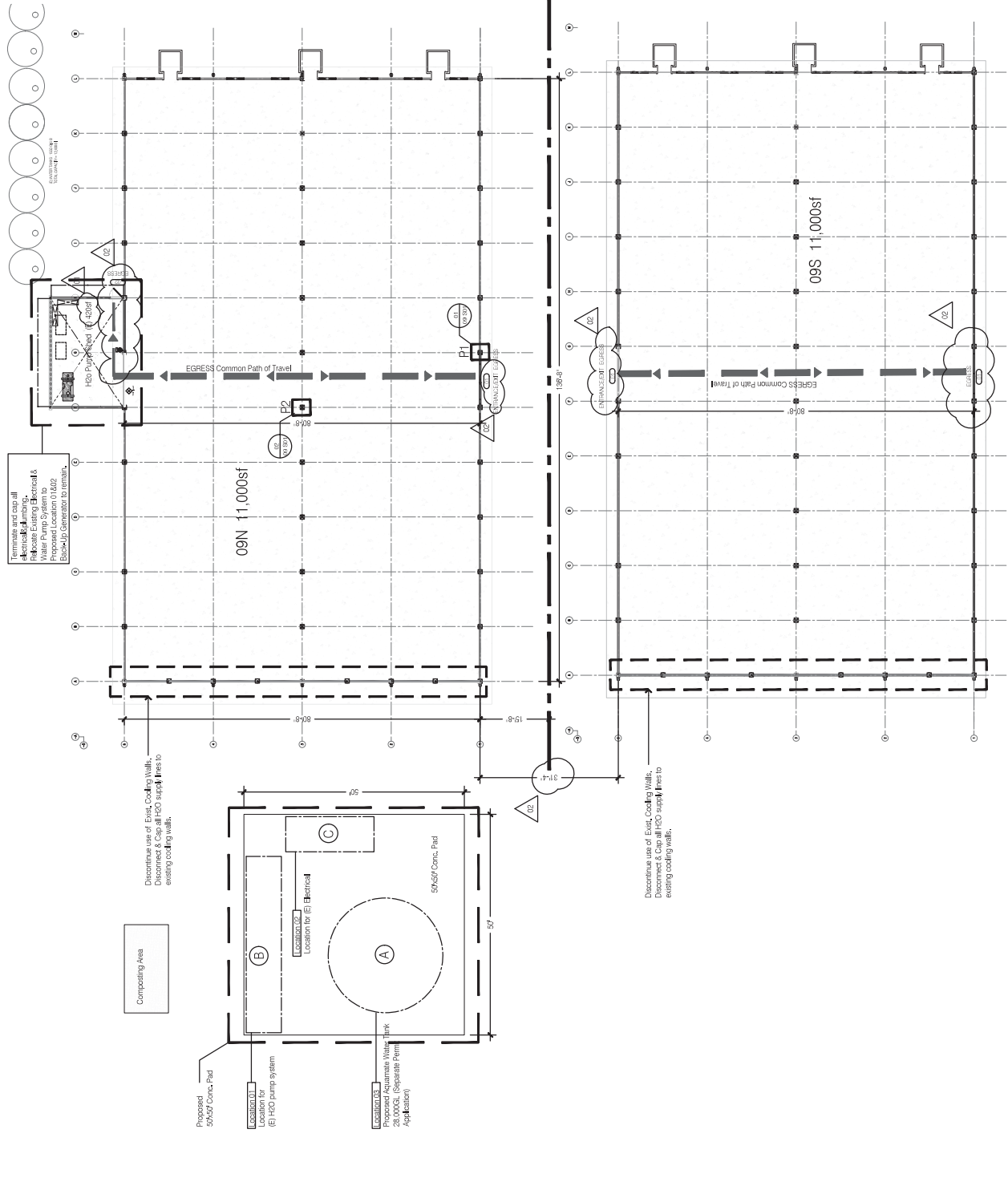
Where:
 F = Area factor increase due to frontage
 W = Width of perimeter that fronts on a public
 way or open space having a minimum of 20ft
 Wm = Width of perimeter that fronts on a public
 way or open space
 W = Width of public way or open space
 in accordance w/ 506.3.2

Equation 5-1
 A = 8500 sf
 NS = 0.750
 AA = 14,875.00 SF

Equation 5-4
 CS5250.2
 W = (L x W) x (F + 0.3) / F

L1	138,697
L2	80,667
L3	30
L4	138,697
L5	80,667
L6	30
L7	438,668
L8	10,745.25

Amount of Increase
 CS5250.3.3, Equ. 5-5
 F = 438,668
 P = 438,668
 W = 30
 Wm = 10,750



NO CONTRACT, PERMIT, OR LICENSE REQUIRED FOR THIS DOCUMENT. THE USER ASSUMES ALL LIABILITY FOR THE ACCURACY AND COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. THE INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES FROM THE APPROPRIATE AGENCIES.

REVISIONS	
03	CSG 10.01.19
02	CSG/CFD 7.20.18
01	CSG 05.02.18



Edward C. Love Architect
 720 MILL STREET
 HALF MOON BAY, CA 94019
 (650) 728-7815
 edward@eclovearchitect.com

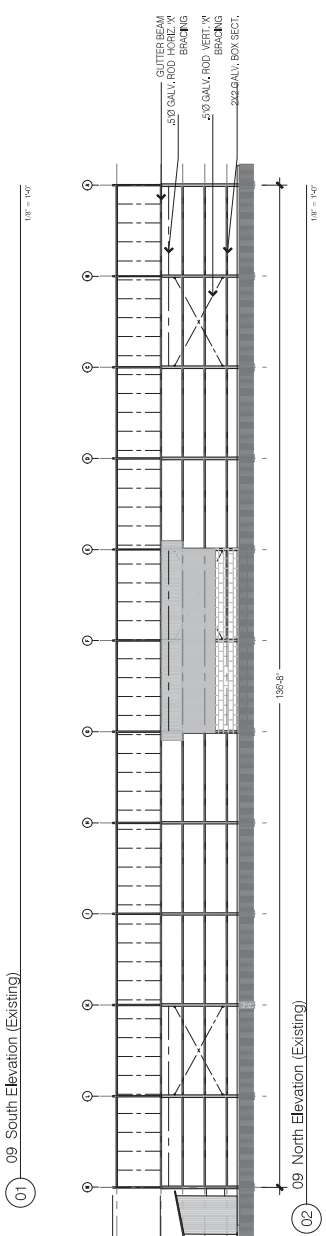
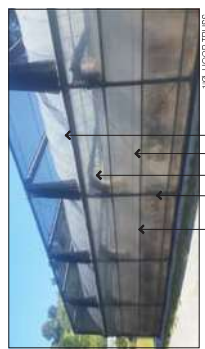
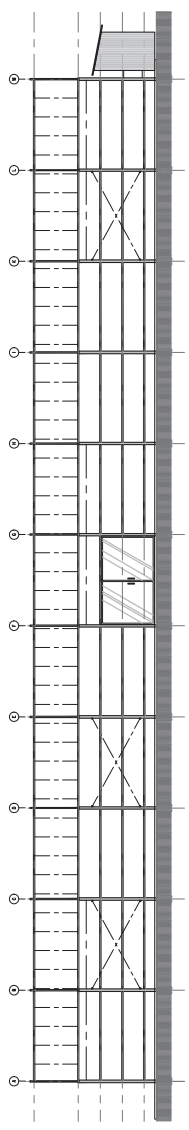
SKRR LLC
 PH01 Existing Conditions
 37K Frenchman's Creek Rd
 Halfmoon Bay, Ca, 94019

09 Elevations (Existing)

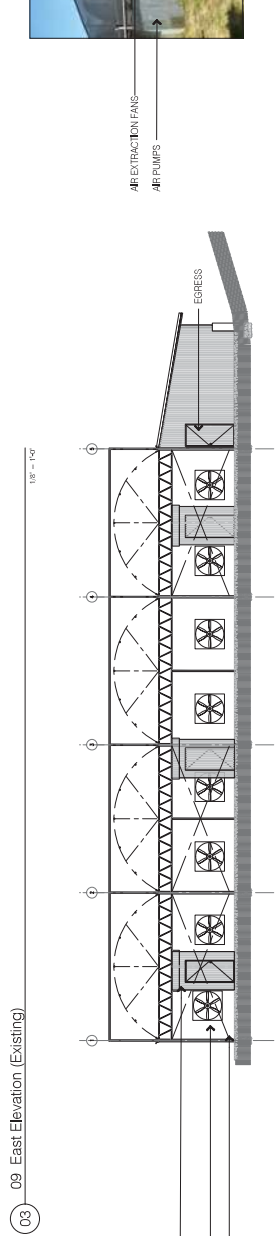
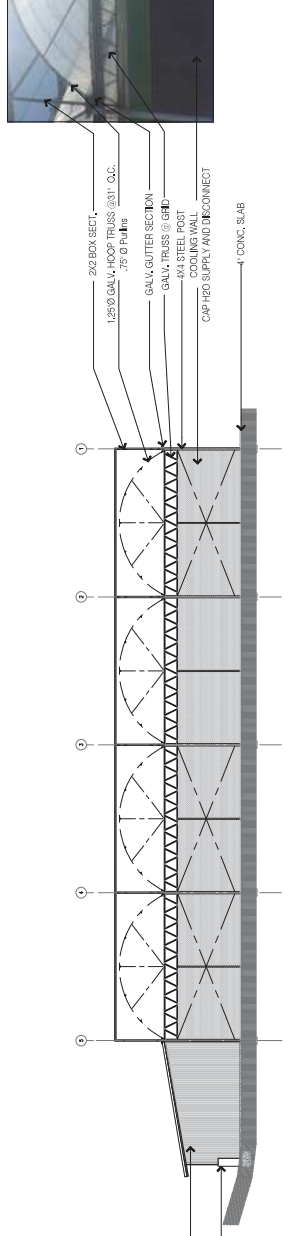


DATE	10/18/19
SCALE	per drawing
DESIGNER	MC
PROJECT	3705-001
DATE	

09 A201



Labels:
 GUTTER BEAM
 5/8" GALV. ROD HORIZ. BRACING
 5/8" GALV. ROD VERT. BRACING
 2" X 2" GALV. BOX SECT.



Labels:
 AIR PUMP RM.
 AIR EXTRACTION FANS
 5/8" BRACING

Labels:
 EGRESS

ALL CONDITIONS SHOWN ARE BASED ON THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE EXISTING CONDITIONS AND HAS NOT CONDUCTED A STRUCTURAL ANALYSIS OR INVESTIGATION OF THE EXISTING STRUCTURE. THE ARCHITECT HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE EXISTING CONDITIONS AND HAS NOT CONDUCTED A STRUCTURAL ANALYSIS OR INVESTIGATION OF THE EXISTING STRUCTURE.


REVISIONS	
03	CS3 10.01.19
02	CS3 OFD 7.20.18
01	CS3 05.02.18



Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(650) 728-7815
edward@eclovearchitect.com

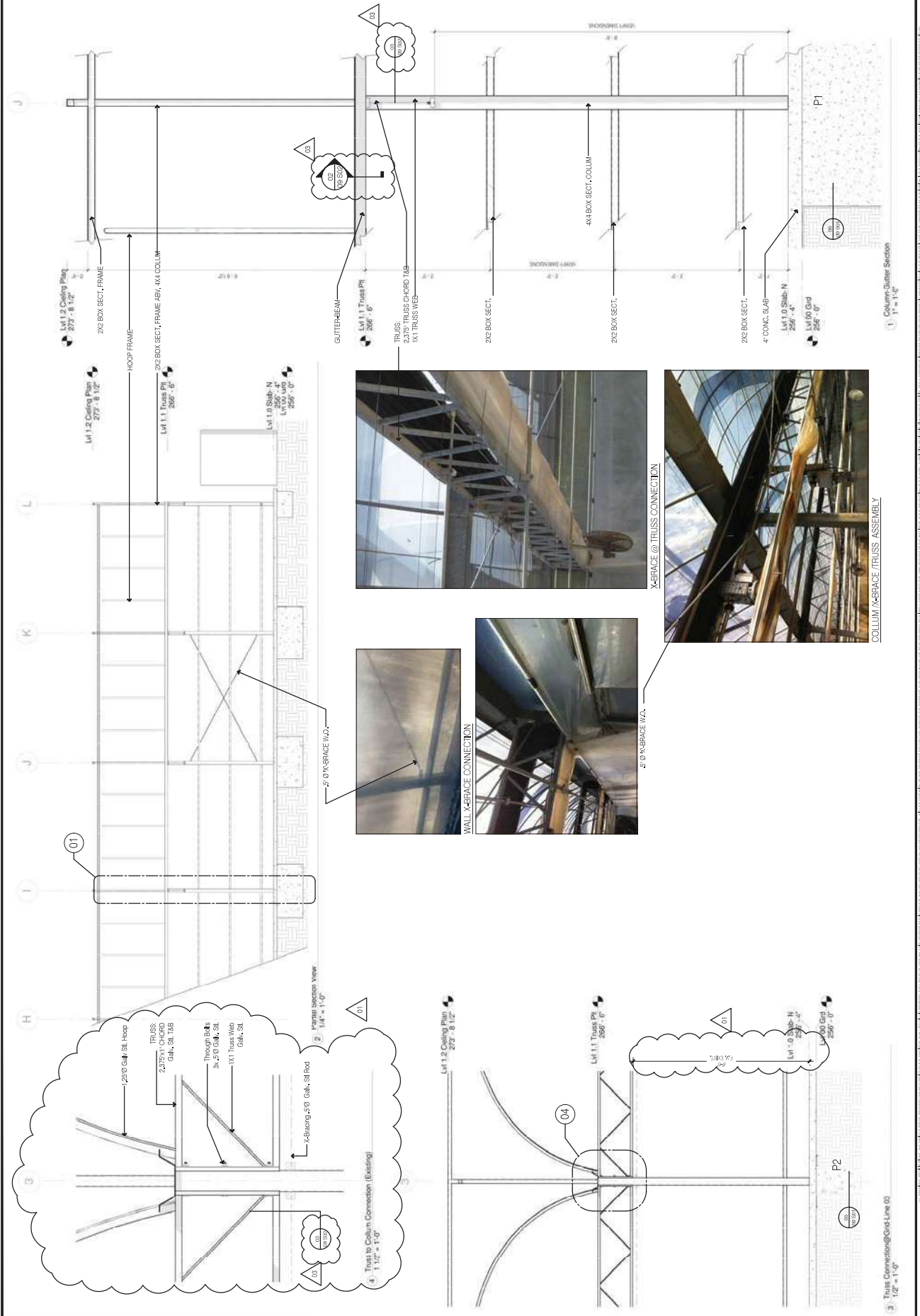
SKRR LLC
PH01 Existing Conditions
37K Frenchman's Creek Rd
Halfmoon Bay, Ca. 94019

09 Section Details (Existing)



DATE: 10/18/19
SCALE: per drawing
PROJECT: MC
SHEET: 3709-9001

09 A301



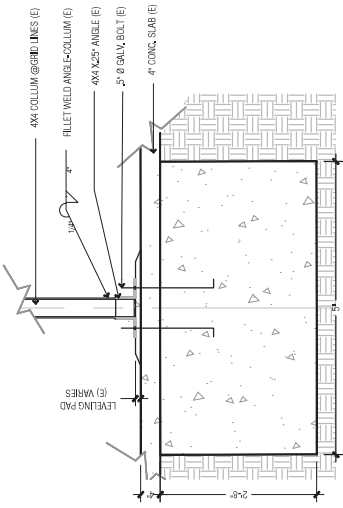
BASIS OF DESIGN	
GOVERNING CODE	2016 CALIFORNIA BUILDING CODE (CBC)
SOIL CRITERIA:	ALLOWABLE BEARING PRESSURE = 1,500 psf
DESIGN LOADS:	GREENHOUSE ROOF DEAD LOAD = 3 psf
	GREENHOUSE ROOF LIVE LOAD = 5 psf
	GREENHOUSE FLOOR DEAD LOAD = 50 psf
	GREENHOUSE FLOOR LIVE LOAD = 40 psf
WIND DESIGN CRITERIA:	$R = 1.0$
EXPOSURE	$B = 1.0$
RISK CATEGORY	$S_s = 1.887, S_1 = 0.886$
SEISMIC	$S_M = 1.25, S_{M1} = 0.280, I = 1.0, p = 1.0$
SITE CLASS D	
RISK CATEGORY	
RISK CATEGORY	
SEISMIC FORCE RESIST SYSTEM	STEEL ORDINARY CONCENTRICALLY BRACED FRAME

Basis of Design

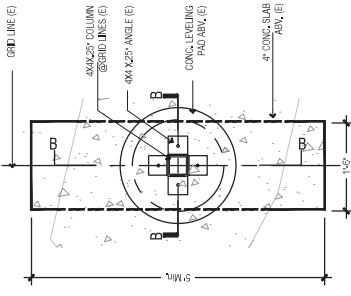
EXISTING FOOTING NOTES:

- Date: _____
 - Soil: _____
 - Soil bearing pressure: 1,500psf
 - 250psf Center of Retention Assumed
 - No Retention Assumed
- Retaining Capacity:**
- Existing Perimeter Pads (P1)
Area = 2.5x2.5 = 6.25sf
Bmp. Capacity = 8.375psf
 - Existing Center-Line Pads (P2)
Area = 5x1.5 = 7.5sf
Bmp. Capacity = 11.250psf
- Max. Load Allowances:**
- P1: 10#psf x 12x20" = 2,400# < 3,375 OK
 - P2: 10#psf x 12' x 40" = 4,800# < 11,250 OK

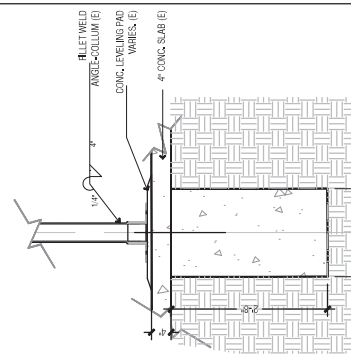
EXISTING CENTER CONC. FOOTING @ GRID-LINE 03 (P2)



04 P2 CONC. FTNG. Existing: scale: 1" = 1'-0"

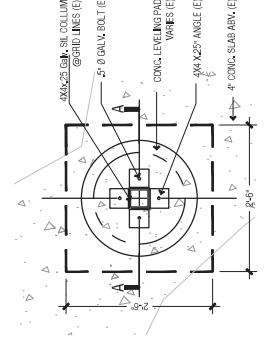


05 P2 SECTION: B-B scale: 1" = 1'-0"



06 P1 SECTION: A-A scale: 1" = 1'-0"

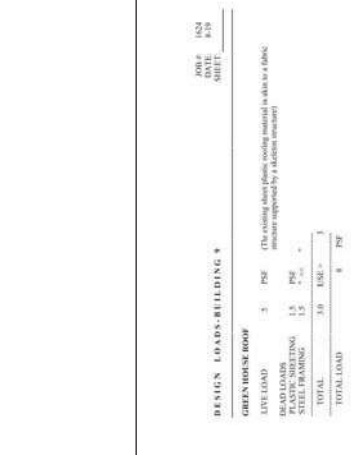
EXISTING PERIMETER CONC. FOOTING GRID-LINES A-L&1-5 (P1)



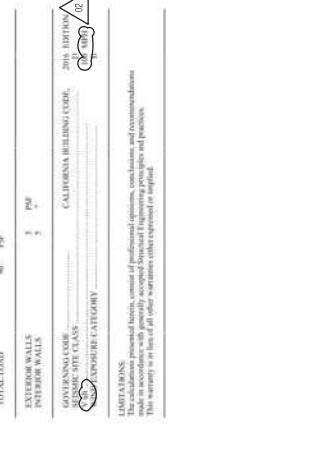
01 P1 EXIST. CONC. PAD Plan View scale: 1" = 1'-0"

DESIGN LOADS-BUILDING *	
LEVEL LOAD	3 PSF (The existing steel frame existing material to which it is added)
DEAD LOADS	1.5 PSF
STEEL FRAMING	1.5 PSF
TOTAL	3.0 PSF
TOTAL LOAD	9 PSF
GREENHOUSE FLOOR	
LEVEL LOAD	40 PSF
DEAD LOADS	50 PSF
SLAB	50 PSF
TOTAL	90 PSF
TOTAL LOAD	90 PSF
EXTERIOR WALLS	3 PSF
INTERIOR WALLS	3 PSF
GOVERNING CODE	CALIFORNIA BUILDING CODE, 2016, IBC/IFBC/IRC
DESIGNER	BRUNN DOTSON CONSULTING ENGINEERS
PROJECT	37K Frenchmans Creek Rd. Half Moon Bay 94019
DATE	10/24/20
SCALE	AS NOTED
BY	CSG
BY	CSG

Basis of Design

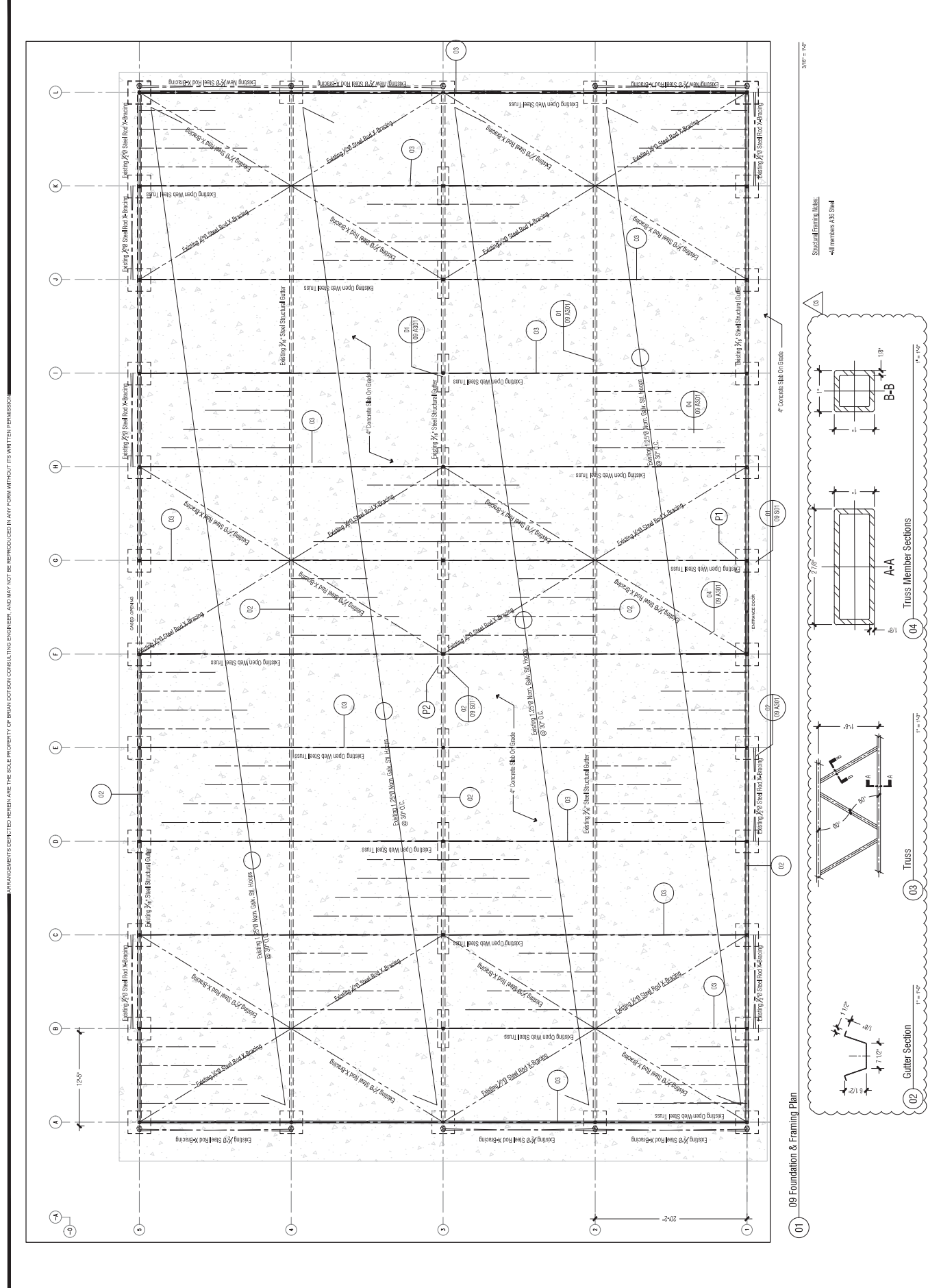
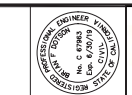


02 P2 EXIST. CONC. FTNG. Plan View scale: 1" = 1'-0"

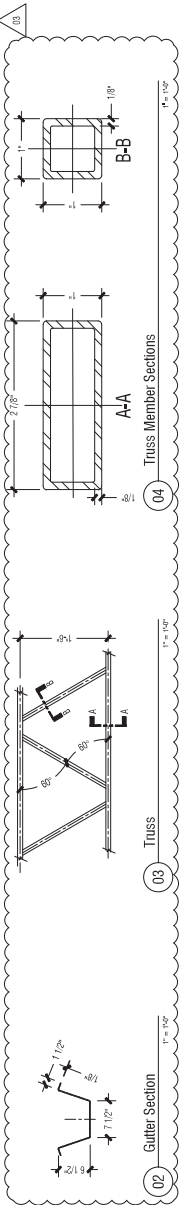


03 P1 EXIST. CONC. PAD Plan View scale: 1" = 1'-0"

12 STRUCTURAL DATA



01 09 Foundation & Framing Plan



ALL DIMENSIONS SHOWN ARE THE PROPERTY OF BRAN DOTSON CONSULTING ENGINEER AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT ITS WRITTEN PERMISSION



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT D

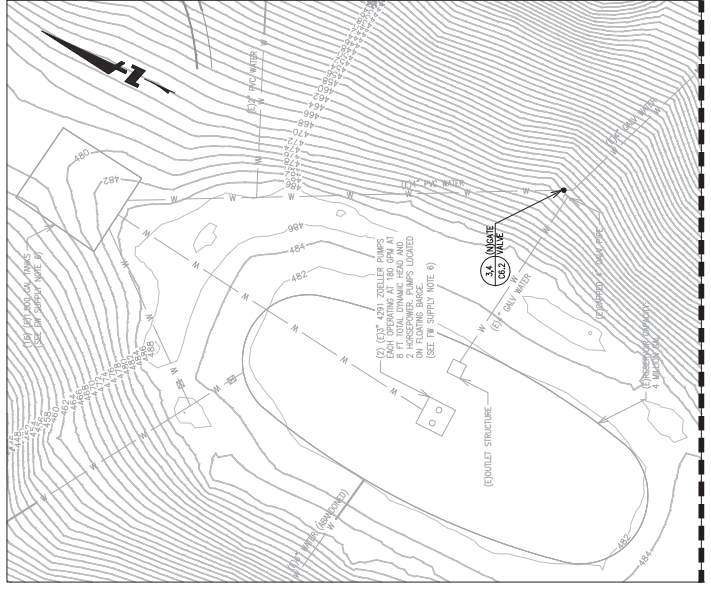


COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT E



Date	Revisions
09/06/2019	NO.
09/19/2019	BUILDING PERMIT - REV 1
11/06/2019	BUILDING PERMIT - REV 2



MATCHLINE: SEE TOP LEFT

KEY NOTES:

- EXIST'G PAVED DRIVEWAY WITH 15' VERTICAL CLEARANCE
- EXIST'G GRAVEL DRIVEWAY WITH 15' VERTICAL CLEARANCE AND 16' UNSTRUCTURED HORIZONTAL CLEARANCE
- RETROCK AUTOMOBIL SIMULATION
- INBOX BOX
- BUILDING NAME SIGN PER CPTD STANDARD D-013.
- MANHOLE SITE MAP MOSE SHOWN LAYOUT OF BUILDINGS FOR EMERGENCY RESPONSE PER CPTD STANDARD D-013

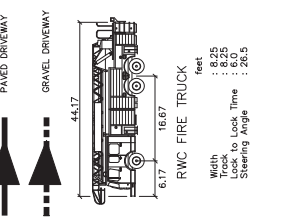
GENERAL NOTES:

- A LEVEL BREAK OF INTERFERE SPACE IS REQUIRED AROUND THE PERIMETER OF ALL TANKS TO BE INSTALLED TO A DISTANCE OF 100 FEET OR TO THE PROPERTY LINE. THIS BREAK SHALL BE A REQUIREMENT FOR AN AUTHORIZATION FOR THE REMOVAL OF LIVING TREES.
- TREES LOCATED WITHIN THE DESIRABLE SPACE SHALL BE PRUNED TO BE ABOVE DEAD AND DING PORTIONS, AND LIMBER UP 6 FEET ABOVE THE GROUND. NEAR DEAD AND DING PORTIONS, THE BRANCHES SHALL BE PRUNED TO A MINIMUM OF 10 FEET ABOVE THE GROUND FOR AN AUTOMOBILE.
- EVERY SHED SHALL BE MINIMUM OF 6 FEET BEYOND THE ACCESS ROAD PERIPHERY. THEY SHALL BE CONSTRUCTED OF METAL STRUCTURES SHALL HAVE MINIMUM OF 15 FEET OF VERTICAL CLEARANCE. LOCKED GATES SHALL BE PROVIDED WITH A RAMP BOX OR COVER. ALL GATES SHALL BE AUTOMATICALLY OPEN DURING POWER FAILURES. CFC 503.6, 506.

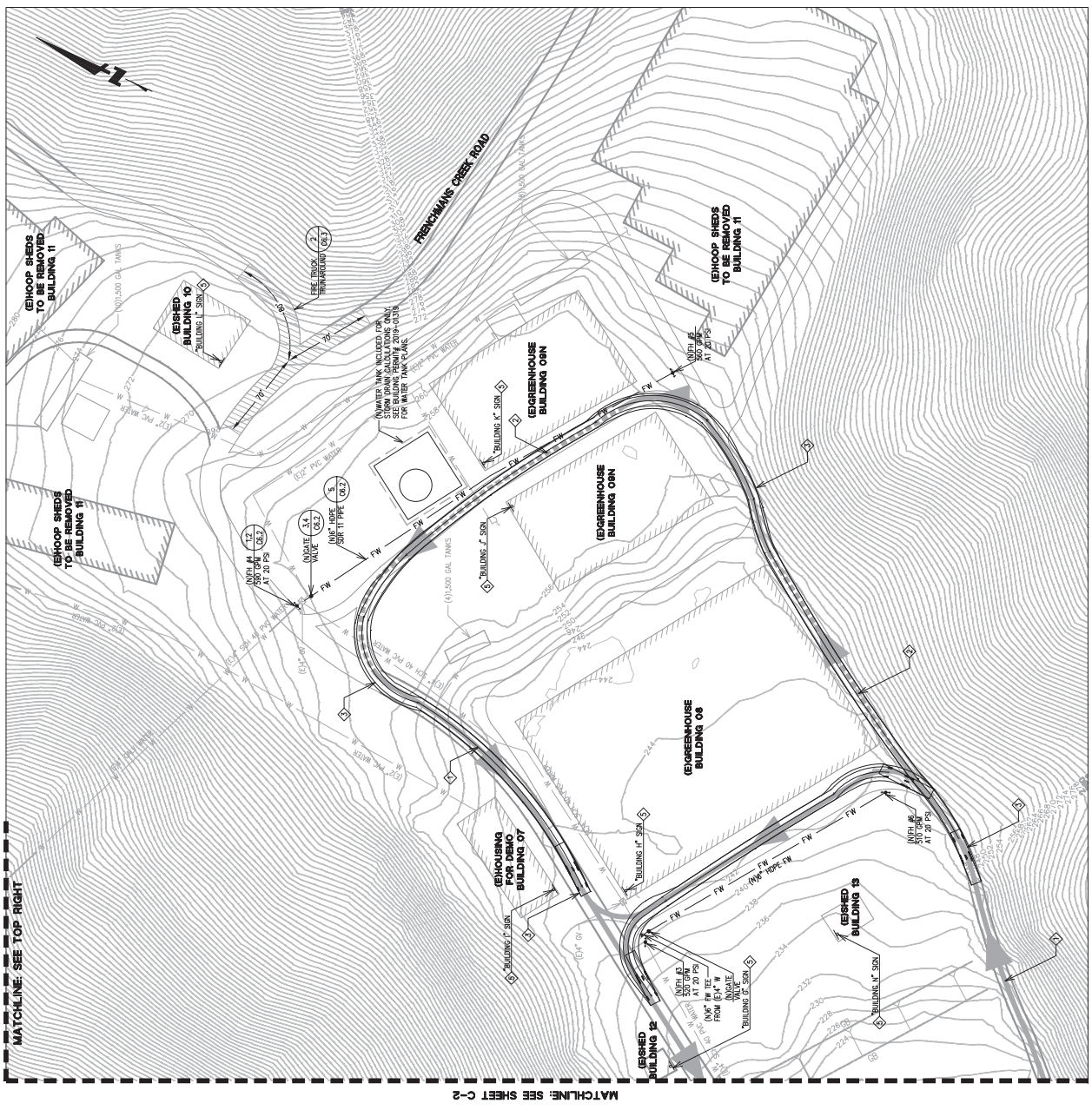
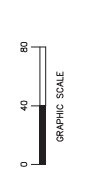
FIRE WATER SUPPLY NOTES:

- MINIMUM WATER SUPPLY FOR FIRE SUPPRESSION IS 375,000 GAL PER MPA 1042.
- THE PROVIDED WATER SUPPLY FOR FIRE SUPPRESSION IS OVER 4 MILLION GAL BETWEEN THE SURFACE RESERVOIR ON TOP OF THE HILL AND MULTIPLE WATER TANKS LOCATED AROUND THE SITE. SEE C11 FOR WATER SUPPLY LOCATIONS.
- 5" W/PIRE HYDRANTS TO BE INSTALLED FOR EASY ACCESS BY CONSIDER THE PROTECTION DISTRICT PER STANDARD PFE-601 AND PFE-602.
- W/PIRE HYDRANTS TO BE SINGLE 4-INCH MET DRIFT HYDRANTS. HYDRANT SHALL BE INSTALLED AT THE INTERSECTION OF THE ACCESS ROAD PERIPHERY AND A REMOVABLE METALLIC GATE UNLESS USING A MAJOR HYDRANT THEN A 2" T OULET NATIONAL HOSE THREAD. MAXIMUM HYDRANT SPACING SHALL BE 400 FEET.
- W/PIRE WATER PIPES TO BE 6-INCH HOPE SDR 11 PIPE WITH 30-INCH MINIMUM COVER. PIPE TO MEET REQUIREMENTS OF MHA C909, ASTM F774 AND FM 1613.
- WATER FOR FIRE SUPPRESSION IS DRAWN FIRST FROM THE (167)500 GAL TANKS. SECOND FROM THE (167)500 GAL TANKS. THIRD FROM THE (167)500 GAL TANKS. THE TANKS SHALL SIMULTANEOUSLY BE REFILLED BY THE (2)ROLLER PUMPS AVAILABLE FOR FIRE SUPPRESSION FOR APPROXIMATELY 12 HOURS DRAWING FROM THE (167)500 GAL TANKS. (2)ROLLER PUMPS SHALL BE AVAILABLE AS THE (2)ROLLER PUMPS DRAW WATER DIRECTLY FROM THE RESERVOIR.
- "NO PARKING - FIRE LANE" SIGNS SHALL BE PROVIDED ON BOTH SIDES OF ROADS 20 TO 26 FEET WIDE AND ON ONE SIDE OF ROADS 26 TO 32 FEET WIDE PER CFC D103.6

LEGEND:

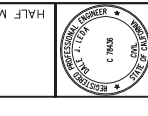


SEE SHEET C1.1 FOR
 LEGEND AND
 ABBREVIATIONS

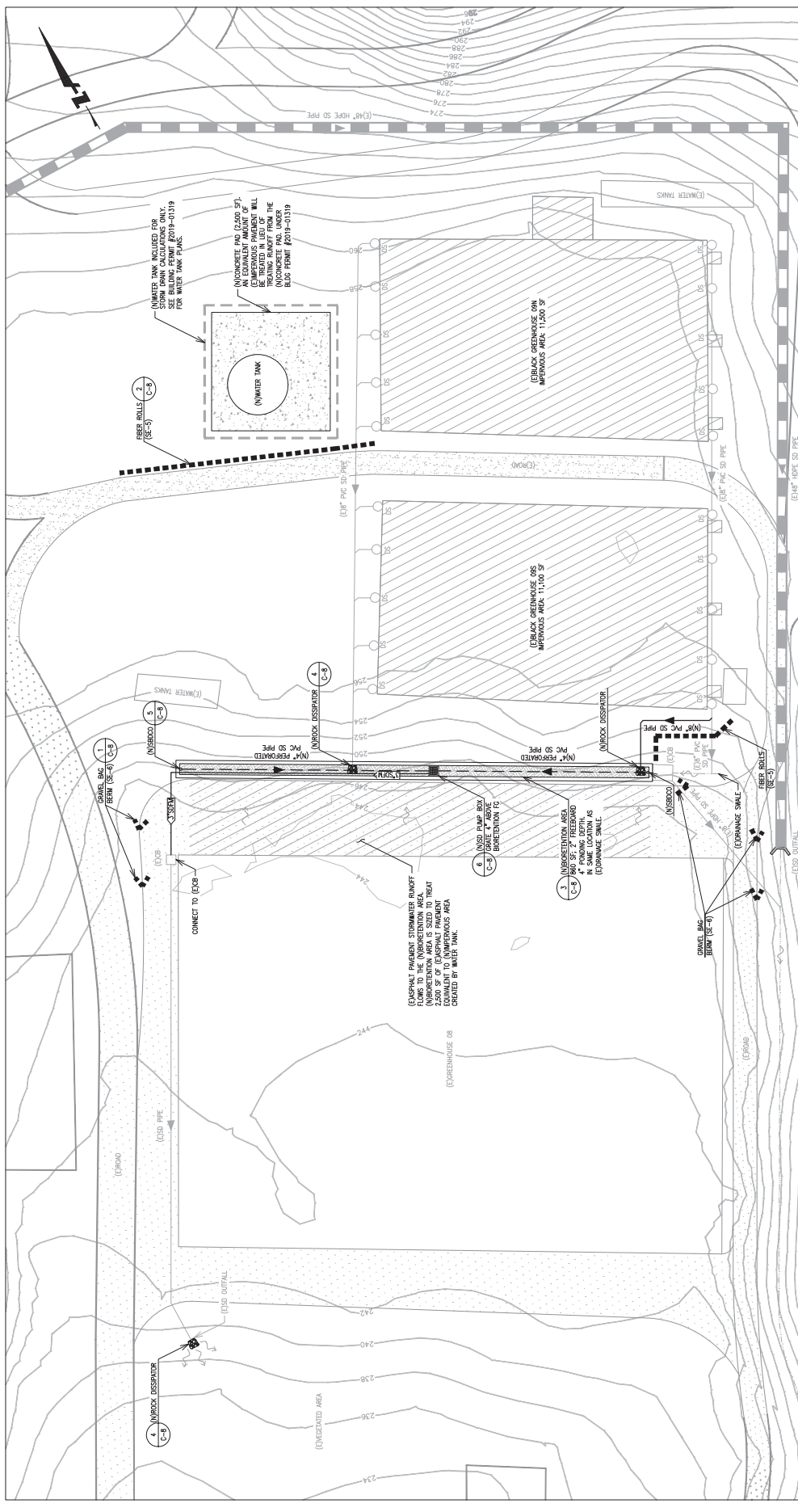


MATCHLINE: SEE TOP RIGHT

MATCHLINE: SEE SHEET C-2



Date	09/19/2019
Revisions	BUILDING PERMIT - REV 2 11/09/2019
Drawn	09/06/2019
Checked	09/06/2019
Project No.	2019-000
Sheet No.	10



LEGEND:

- EL ELEVATION
 - STORM DRAIN LINE
 - STORM DRAIN LINE
 - STORM DRAIN FORCE MAIN
- ABBREVIATIONS:**
- CB CATCH BASIN
 - DN DOWNHOLE
 - FG FINISHED GROUND ELEVATION
 - LN LINEAR FOOT
 - NE NEIGHBORHOOD ELEVATION
 - ST STORM DRAIN
 - SP SQUARE FEET
 - SM SQUARE FEET

IMPERVIOUS AREAS:

NEW / UNLIMITED IMPERVIOUS AREA	2,500 SQ FT
WATER TANK CONCRETE PAD	2,500 SQ FT
BLACK GREENHOUSE 09N	11,500 SQ FT
BLACK GREENHOUSE 09S	11,500 SQ FT
BLACK GREENHOUSE 09S	25,100 SQ FT
TOTAL:	53,100 SQ FT
REQUIRED LD TREATMENT AREA	860 SQ FT
PROVIDED LD TREATMENT AREA	860 SQ FT
TREATMENT AREA IS SIZED PER THE COMBINED FLOW AND VOLUME OF THE IMPERVIOUS AREAS, SAN MATEO COUNTY C.S. STORMWATER TECHNICAL GUIDANCE, PARAGRAPH 4.1.	

HATCH LEGEND:

- (C) GRAVEL PAVEMENT
- (A) ASPHALT PAVEMENT
- (I) IMPERVIOUS PAVEMENT
- (B) BARE EARTH AREA
- (S) IMPERVIOUS AREA DIRECTION TO BARE EARTH AREA

STORM DRAIN NOTES:

- PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYETHYLENE GLYCOL (PE) SDR 35 PIPE. ALL JOINTS SHALL BE GASKETED JOINTS. ALL DIRECTION CHANGES SHALL BE MADE WITH WELDED ELBOWS. 22.5 ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEES ARE PROHIBITED.
- STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH LESS THAN THREE (3) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYETHYLENE GLYCOL (PE) SDR 35 PIPE. ALL JOINTS SHALL BE GASKETED JOINTS. ALL DIRECTION CHANGES SHALL BE MADE WITH WELDED ELBOWS. 22.5 ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEES ARE PROHIBITED.
- ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
- FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (WHENEVER NECESSARY) GRAVITY FLOW SYSTEMS SHALL BE CONNECTED TO OR CROSSED PROPER TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
- DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE GEOTECHNICAL ENGINEER OR CIVIL ENGINEER.

EROSION AND SEDIMENTATION CONTROL NOTES:

- CONTRACTOR SHALL ASSUME THE COSTS ON THE EROSION CONTROL PLAN. IF PROVIDED, ARE NOT TO BE USED AS A BASIS FOR CLAIMS. THE EXTENT OF WHICH ARE TO BE DETERMINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MAINTENANCE OF THE CONSTRUCTION SITE.
- ALL CONSTRUCTION ACTIVITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH DAY OF CONSTRUCTION. CONTRACTOR SHALL REMOVE ANY EROSION CONTROL FACILITIES AND MAKE REPAIRS TO THE EROSION CONTROL FACILITIES DURING STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO EROSION CONTROL FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
- AS SOON AS PRACTICAL FOLLOWING EACH STORM THE CONTRACTOR SHALL REMOVE ANY EROSION CONTROL FACILITIES AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE MEASURES AS APPROPRIATE.
- STOCKPILED MATERIAL SHALL BE COVERED WITH NONSLIP OR A HAZARDOUS MATERIAL IS STOCKPILED. STOCKPILED MATERIAL SHALL BE COVERED WITH NONSLIP OR HAZARDOUS MATERIAL AS SOON AS PRACTICAL AFTER THE STOCKPILE HAS BEEN REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MAINTENANCE OF THE CONSTRUCTION SITE.
- PRIOR TO THE COMMENCEMENT OF ANY CLEANING, GRADING OR EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE DISTRICT ENGINEER OF THE COUNTY OF SAN MATEO, STATE WATER RESOURCES CONTROL BOARD, A NOTICE OF INTENT (NOI) FOR COVERAGE UNDER PERMIT, IF REQUIRED BY THE STATE, THE COUNTY OF SAN MATEO, AND A COPY OF THE NOI ON THE CONSTRUCTION SITE.
- NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENTION LOCATIONS. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL TEMPORARY ACCESS BEARS AND UNITS.
- PROTECT EXISTING PROPERTIES AND UNDEVELOPED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS AND OTHER MEASURES AS APPROPRIATE.
- CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION.
- CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION.
- CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION.

GRAPHIC SCALE
 0 20 40

GENERAL NOTES:

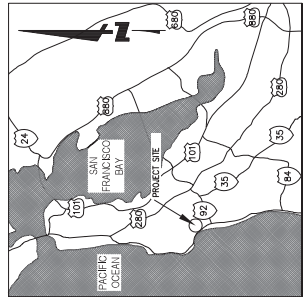
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND VOLUMES FOR REFERENCES ONLY. ACTUAL DIMENSIONS AND VOLUMES SHALL BE CONFIRMED BY CONTRACTOR COMPLETING WORK.



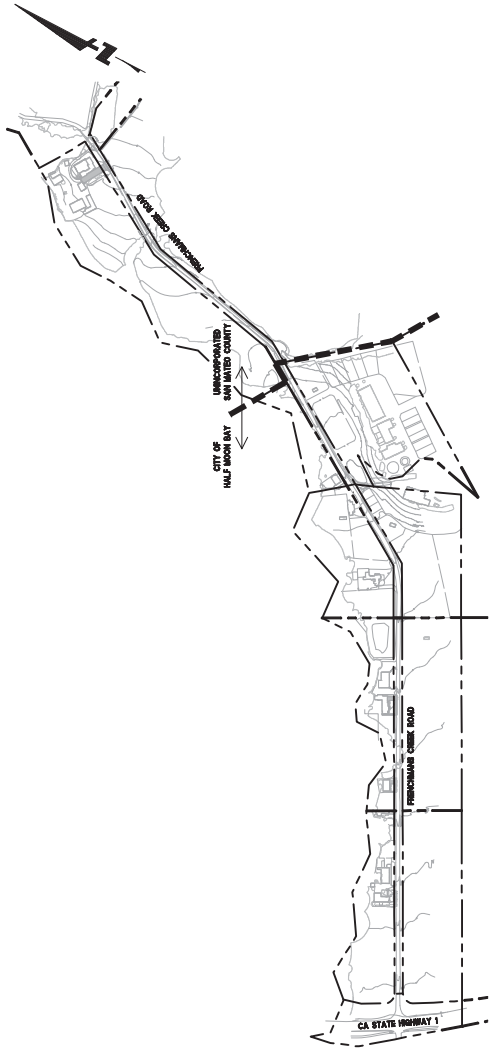
COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT F

© BKF Engineers



ROAD REPAIR AND MAINTENANCE PROJECT FRENCHMANS CREEK ROAD HALF MOON BAY, CA



- ABBREVIATIONS:**
- AS ASPHALT
 - CP CONCRETE
 - CPG CASTLE FIRE PROTECTION DISTRICT
 - CONC CONCRETE
 - EXIST EXISTING
 - EG EXISTING GRADE
 - ES EXISTING SURFACE GRADE
 - GR GRADE BREAK
 - JP JOINT FILL
 - NEW NEW
 - NT NEW TYPICAL
 - ROW RIGHT OF WAY
 - S SLOPE
 - ST TYPICAL

- LEGEND:**
- BOUNDARY
 - HALF MOON BAY CITY LINE
 - FLOORMARK
 - GRAVING CONFORM
 - GRAVING LIMIT
 - BIOLOGICAL SENSITIVE AREA
 - EXCLUSORY FENCING
 - FENCE
 - SEIN
 - SEIN MARKERS
 - SHEET LOCATION

SHEET INDEX

SHEET NO.	DESCRIPTION
CO.0	TITLE SHEET
CO.1	NOTES
C1.1	EXISTING CONDITIONS
C1.2	EXISTING CONDITIONS
C2.1	ROAD PLAN
C2.2	TRAFFIC CONTROL PLAN
C3.1	EROSION CONTROL PLAN
C4.1	VEGETATION PROTECTION PLAN
C4.2	VEGETATION PROTECTION PLAN
C5.1	DETAIL SHEET

ENGINEER'S STATEMENT

THIS SITE IMPROVEMENT PLAN SUBMITTAL HAS BEEN PREPARED UNDER MY DIRECTION.

DATE _____

DALE LEVA
PROJECT MANAGER
BKF ENGINEERS



ENGINEER OF WORK

I HEREBY DECLARE THAT I AM THE CIVIL ENGINEER OF WORK FOR THIS PROJECT AND THAT I HAVE REVIEWED THE SUBMITTAL AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

DATE _____

DALE LEVA
PROJECT MANAGER
BKF ENGINEERS



PROJECT DESCRIPTION:

THE PROJECT INCLUDES REPAIR AND IMPROVEMENTS TO SEGMENTS OF FRENCHMANS CREEK ROAD WITHIN THE CITY OF HALF MOON BAY AND UNINCORPORATED SAN MATEO COUNTY.

GENERAL DESCRIPTION OF SITE:
PROPOSED WORK WILL CONSIST OF SHEEPING THE EXISTING ROAD OF DIRT AND DEBRIS; REPAIR AND IMPROVEMENTS TO EXISTING PAVEMENT TO MATCH EXISTING PAVEMENT EDGES, APPLICATION OF A TACK COAT AND NOMINAL 2" HOT MIX ASPHALT OVERLAY. THE OVERLAY WILL EXTEND TO THE LIMITS OF THE EXISTING COMPACTED SUBGRADE. THE PROJECT ALSO INCLUDES THE INSTALLATION OF A FLUSH FINISH ADJACENT EXISTING PAVING AND/OR OTHER HARDSCAPE IMPROVEMENTS.

LOCATION:
CITY OF HALF MOON BAY AND UNINCORPORATED SAN MATEO COUNTY.

UTILITIES:
STORM DRAINAGE: PRIVATE
WATER: PRIVATE
SANITARY SEWER: PRIVATE
GAS/ELECTRIC: POLE

REFERENCES

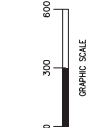
TO BE REFERENCED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, 2015 EDITION.

PROJECT CONTACT INFO:

PROJECT CIVIL ENGINEER
BKF ENGINEERS
555 COUNTY CENTER, 3TH FLOOR
REDDWOOD CITY, CA 94565
TEL (925) 863.4100

PROJECT BIOLOGIST
SOL ECOLOGY
PO BOX 3214
707 MARINA ST
707 MARINA ST
CONTACT: DANA ROSS, PRINCIPAL BIOLOGIST
COUNTY OF SAN MATEO
555 COUNTY CENTER, 3TH FLOOR
REDDWOOD CITY, CA 94565
TEL (925) 863.4100

CITY
CITY OF HALF MOON BAY
501 MAIN STREET
HALF MOON BAY, CA 94019
TEL (415) 708.8270



Know what's below.
Call before you dig.

CO.0
Drawing Number: 08/14/2019
Scale: 1" = 300'

Date	Revisions
08/14/2019	
10/17/2019	REVISION KEYWORDS
11/09/2019	BUILDING PERMIT - REV 2
02/11/2020	BUILDING PERMIT - REV 3



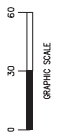
TITLE SHEET
ROAD REPAIR AND MAINTENANCE PROJECT
FRENCHMANS CREEK ROAD
SAN MATEO COUNTY
CALIFORNIA



BKF ENGINEERS, SURVEYORS, PLANNERS
358 SHORELINE DR.,
REDDWOOD CITY, CA 94565
(925) 482-3300
www.bkf.com



**SEE SHEET C.O.O FOR
LEGEND AND
ABBREVIATIONS**



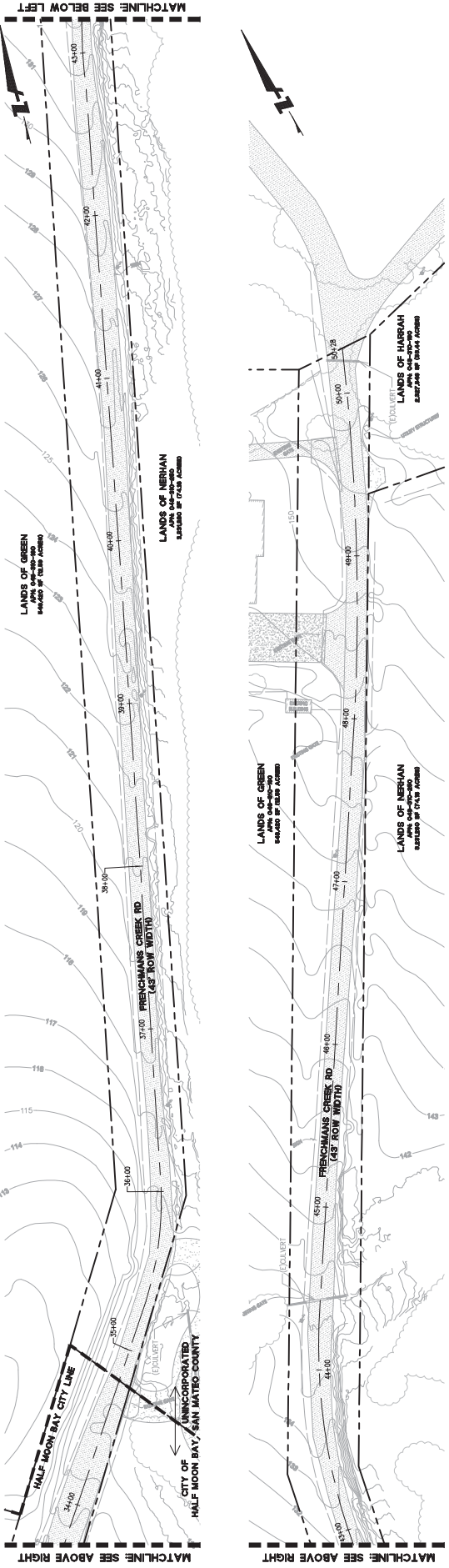
C1.2

Date	08/14/2019
Scale	1" = 30'
Design	11/09/2019
Buildings Permit	REV 2
Buildings Permit	REV 3
Drawn	02/11/2020
Project No.	20170335-10



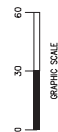
**EXISTING CONDITIONS
ROAD REPAIR AND MAINTENANCE PROJECT
FRENCHMANS CREEK ROAD
SAN MATEO COUNTY
CALIFORNIA**

BKF 100 YEARS
ENGINEERS, SURVEYORS, PLANNERS
365 SHORELINE DR.,
REDWOOD CITY, CA 94065
(650) 482-8300
www.bkf.com





SEE SHEET C.O.O FOR LEGEND AND ABBREVIATIONS



Date	08/14/2019	No.	Revisions
Scale	1" = 30'		
Design	DLL		BUILDING PERMITS - REV 2
Drawn	DLP		BUILDING PERMITS - REV 3
Approved	RM		REVISIONS
Drawing No.	0210335-10		

C2.2

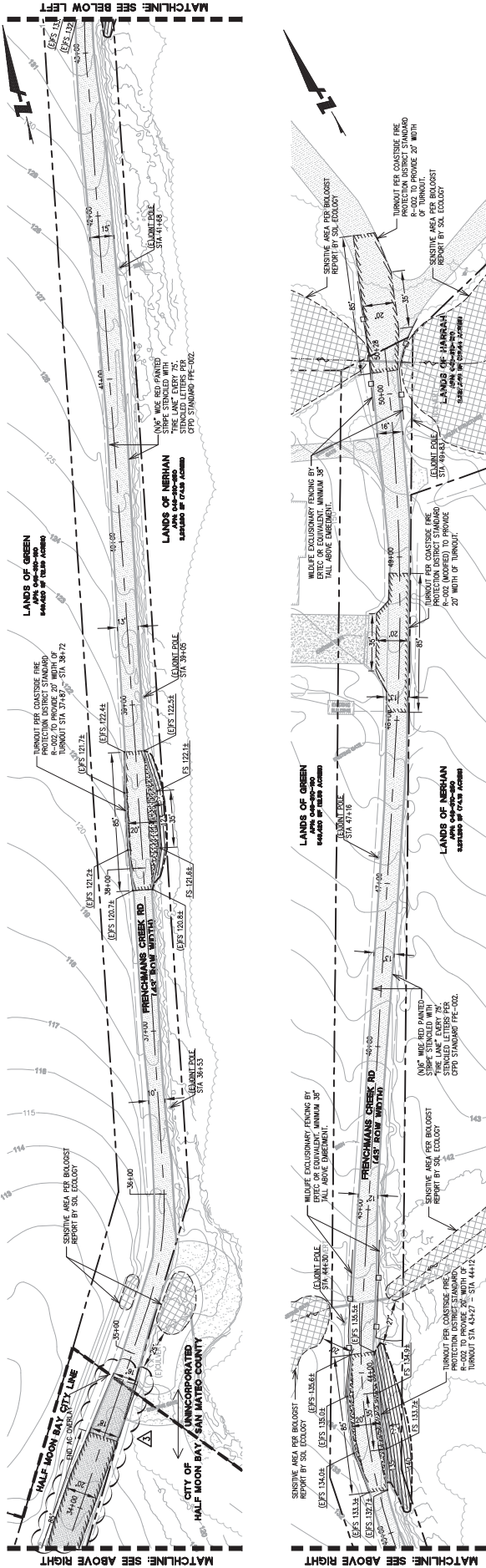


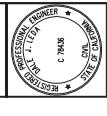
Date	Revisions
10/11/2019	
11/09/2019	BUILDING PERMITS - REV 2
02/11/2020	BUILDING PERMITS - REV 3

ROAD PLAN
ROAD REPAIR AND MAINTENANCE PROJECT
 FRENCHMANS CREEK ROAD
 SAN MATEO COUNTY
 HALF MOON BAY



266 SHORELINE DR.,
 SUITE 200
 REDWOOD CITY, CA 94065
 (650) 482-8300
 www.bkf.com

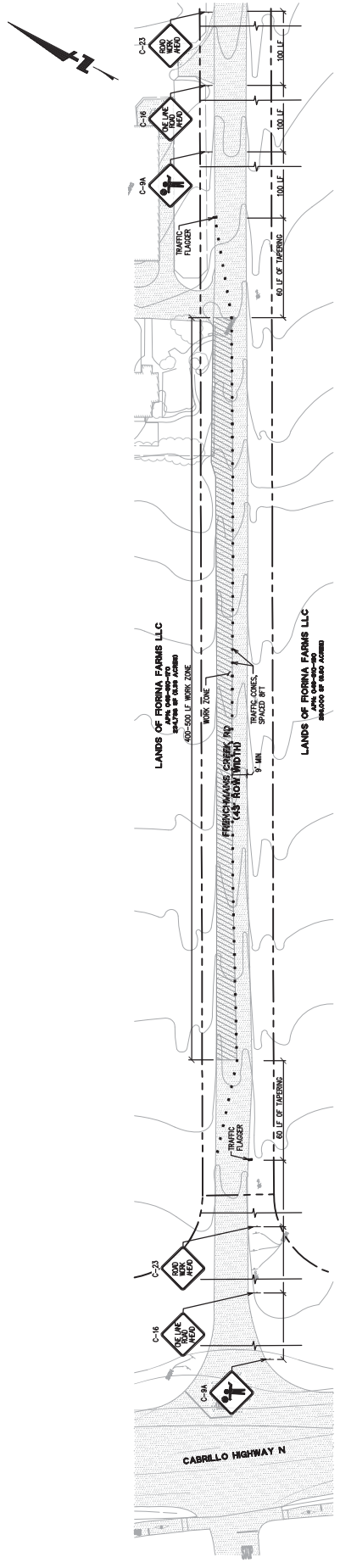
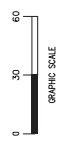




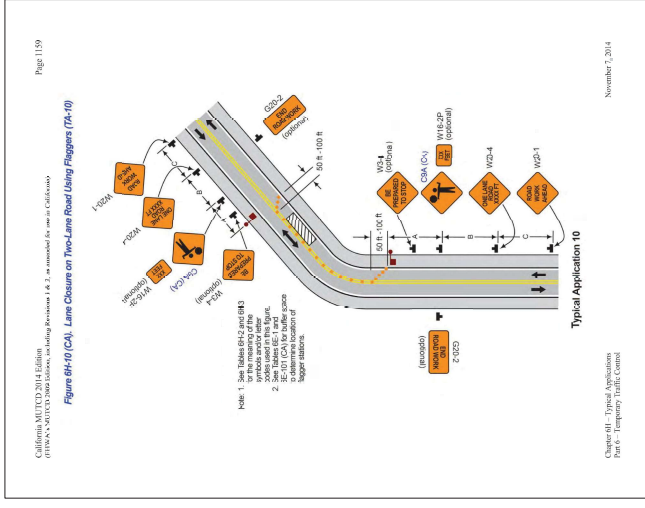
Date	Revisions
10/17/2019	DESIGN REVISIONS
11/09/2019	BUILDING PERMIT - REV 2
02/11/2020	BUILDING PERMIT - REV 3



SEE SHEET C.O.O FOR LEGEND AND ABBREVIATIONS



TRAFFIC CONTROL PLAN (TYPICAL)



Notes for Figure 604-10 (B1-10CA) and (B1-10ACA) — Typical Application 10
 Lane Closure on a Two-Lane Road Using Flaggers

Options:

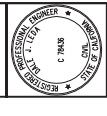
- For low-volumes (Refer to Part 5, Section 5A.01) situations with short work zones on straight roadways with a 60 ft. or greater sight distance, a flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
- The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short duration.
- Flashing warning lights and/or flags may be used to call attention to the advance warning signs.
- BE PREPARED TO STOP sign may be added to the sign series.
- The buffer space should be extended so that the two-way traffic signs are placed before a horizontal sight triangle.
- Sign placement should provide adequate sight distance for the flagger and a queue of stopped vehicles.
- As a night, danger station, shall be illuminated, except in emergencies.
- When used, the BE PREPARED TO STOP sign should be located between the flagger sign and the ONE LANE ROAD sign.
- ONE LANE ROAD signs, within a minimum of 100 feet of the transition area and if not illuminated, the signs resulting from the lane closure should extend through the grade crossing. The TTC zone should be extended so that the transition area precedes the grade crossing.
- When a grade crossing exists within the activity area, within the activity area, provisions should be made for keeping flaggers informed as to the activation status of those warning devices.
- When a grade crossing exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of those warning devices on the right-hand side of the normal travel lane.
- Coordinated with the railroad company or light rail transit agency should occur before work starts.
- A flagger or a uniformed law enforcement officer may be used as the grade crossing to minimize the possibility that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the crossing.
- Support signs, such as the Advance Stop Sign, Chapter Standard Plan 710, Sign Section 15.4, may be added to improve the support of the advance stop sign.
- Portable fluorescent variable signs are used for flagging operations, refer to Section 6E.

Page 1157
 November 7, 2014
 Chapter 6E - Temporary Traffic Control

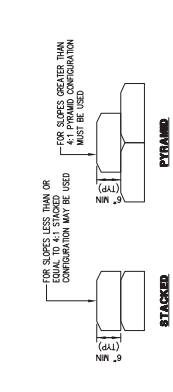
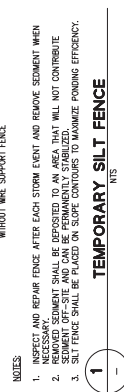
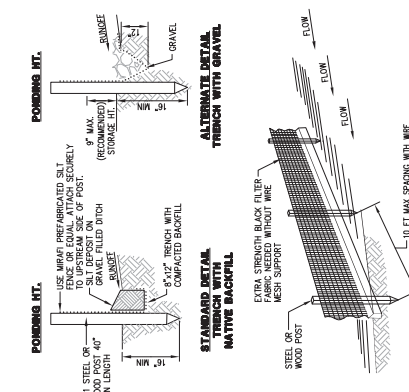
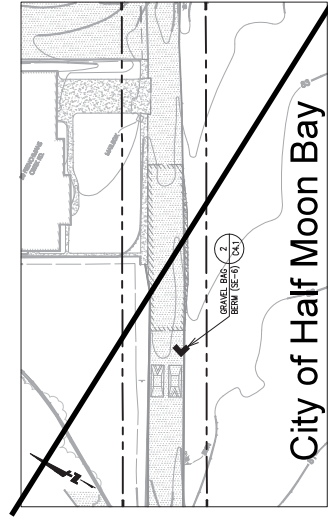
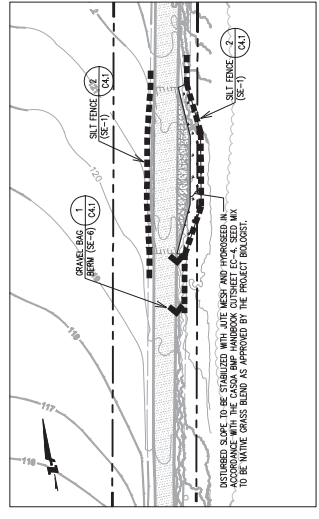
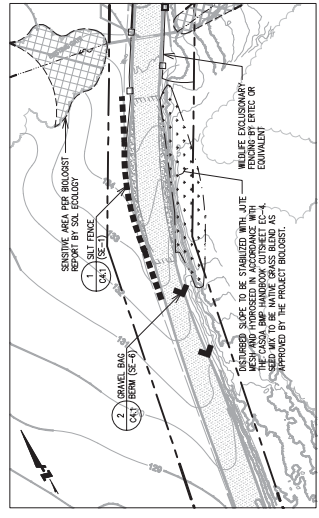
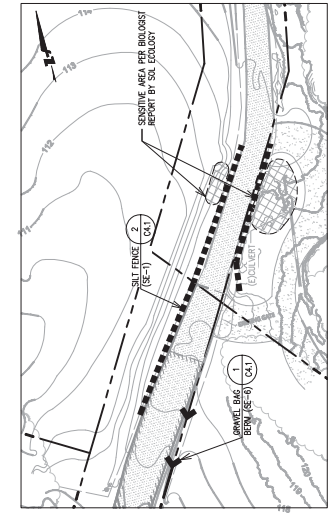
Page 1159
 November 7, 2014
 Chapter 6E - Temporary Traffic Control

TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL PHASE WORK ALONG FRENCHMAN'S CREEK ROAD IN 400-500 FT SECTIONS WHILE MAINTAINING A MINIMUM SINGLE LANE ACCESS AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 60 FT. BUFFER SPACE FROM THE WORK PROGRESSES ALONG FRENCHMAN'S CREEK ROAD.
- TYPICAL TRAFFIC CONTROL PLAN IS BASED ON FIDUCIAL 64-10 "LANE CLOSURE ON A TWO LANE ROAD USING FLAGGERS" IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- A MINIMUM SINGLE LANE ACCESS TO DRIVEWAYS/LOTS SHALL BE MAINTAINED AT ALL TIMES. TRAFFIC CONES, TRAFFIC FLAGGERS, AND TRAFFIC SIGNAGE SHALL BE USED WITH HEAVY TRAFFIC.
- NO STREETS SHALL BE CLOSED WITHOUT AUTHORIZATION FROM CITY ENGINEER.
- TRAFFIC BY CONSTRUCTION FLAGGERS SHALL BE SUPERVISED BY THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE NOTED.
- AT LEAST ONE PERSON SHALL BE ASSIGNED TO PROVIDE DAILY MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR LANE CLOSURE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL CONES USED FOR LANE CLOSURES DURING THE HOURS OF DARKNESS SHALL BE FILLED WITH RETROREFLECTIVE BANDS (OR SLEEVES).
- ADVANCED ROADWAY SIGNS SHALL BE PLACED AS SHOWN IN ADVANCE OF THE BEGINNING OF CONSTRUCTION SIGNAL.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 60 FT. BUFFER SPACE FROM THE WORK PROGRESSES ALONG FRENCHMAN'S CREEK ROAD. THE APPLICATION OF AN ENFORCEMENT PERMIT TO THE SATISFACTION OF THE CITY ENGINEER.



Date	Revisions
08/14/2019	NO.
10/17/2019	DESIGN REVISIONS
11/09/2019	BUILDING PERMIT - KEY 2
02/11/2020	BUILDING PERMIT - KEY 3



- NOTES:**
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 - NECESSARY. SENSITIVE AREAS SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.

- NOTES:**
- INSTALL AT LOCATIONS AS SHOWN ON EROSION CONTROL PLAN, AND IN ADDITION, PROTECT ALL EXISTING AND PROPOSED STORM DRAIN STRUCTURES WITH GRAVEL BAGS.

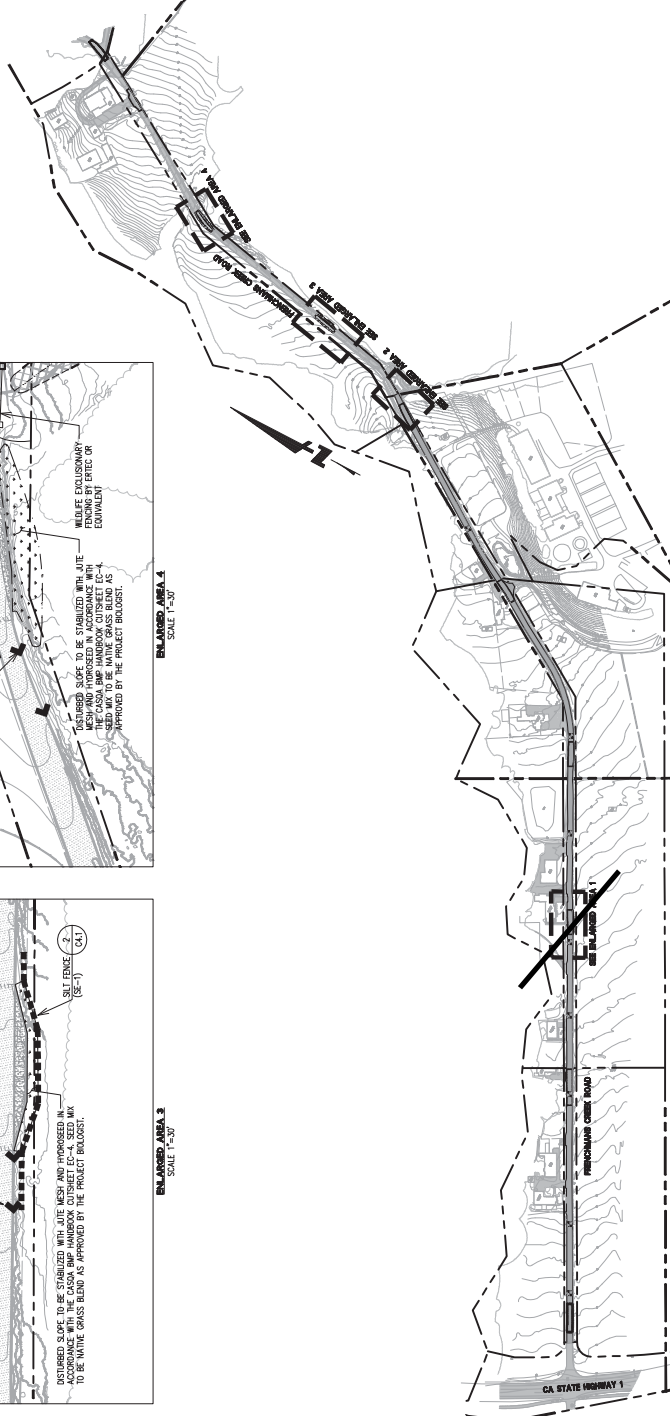
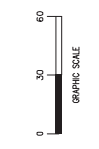
- BEST MANAGEMENT PRACTICES:**
- BEST MANAGEMENT PRACTICES (BMP) SHALL BE UTILIZED WHEN CONSTRUCTION ACTIVITIES ARE CONDUCTED ON SLOPES GREATER THAN 4:1. BMPs SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT EROSION. BMPs SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT EROSION. BMPs SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO PREVENT EROSION.

- TEMPORARY EROSION/SEDIMENT CONTROLS:**
- TEMPORARY EROSION/SEDIMENT CONTROLS SHALL BE INSTALLED PER THE CADA NEW CONSTRUCTION HANDBOOK AND BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE THROUGH COMPLETION.
 - UPON COMPLETION OF GRADING, PAVING, AND INSTALLATION OF PERMANENT CONSTRUCTION, EROSION/SEDIMENT CONTROLS SHALL BE REMOVED AND RESTORE THE DISTURBED SITE TO THE PRE-DEVELOPMENT CONDITION.

- PERMANENT EROSION/SEDIMENT CONTROLS:**
- CONTRACTOR SHALL PROVIDE POST-CONSTRUCTION PERMANENT EROSION/SEDIMENT CONTROL THROUGHOUT THE SITE.
 - PERMANENT EROSION/SEDIMENT CONTROLS SHALL CONSIST OF VEGETATION OR OTHER MEANS OF STABILIZATION. VEGETATION SHALL BE PLANTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. VEGETATION SHALL BE PLANTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
 - ALL DISTURBED GROUND SURFACES SHALL BE STABILIZED UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
 - DISTURBED AREAS OF THE SITE SHOULD BE STABILIZED DURING THE RAINY SEASON USING STRAW MULCH (50-60) OR WOOD MULCHING (20-30).



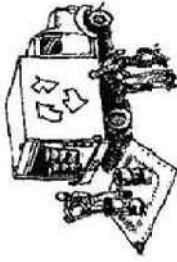
SEE SHEET C.O.O FOR LEGEND AND ABBREVIATIONS



Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



- Non-Hazardous Materials**
- Store and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 72 days.
 - Use (but don't overuse) reclaimed water for dust control.
- Hazardous Materials**
- Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
 - Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
 - Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
 - Arrange for appropriate disposal of all hazardous waste.

- Waste Management**
- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
 - Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
 - Clean or replace portable toilets and inspect them frequently for leaks and spills.
 - Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, dry board, pipe, etc.).
 - Dispose of liquid residues from paints, thinners, solvents, alkalis, and cleaning fluids as hazardous waste.

- Construction Entrances and Perimeter**
- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
 - Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



- Maintenance and Parking**
- Designate an area, lined with appropriate BMPs, for vehicle and equipment parking and storage.
 - Perform major maintenance, repair jobs, and vehicle and equipment maintenance on dirt.
 - If refueling or vehicle maintenance must be done on-site, work in a bermed area away from storm drains and over a drip pan or drip cloth big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
 - If vehicle or equipment cleaning must be done on-site, clean with water only in a bermed area that will not allow clean water to run into gutters, streets, or ditches.
 - Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

- Spill Prevention and Control**
- Keep spill cleanup materials (e.g. rags, absorbents and cat litter) available at the construction site at all times.
 - Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
 - Clean up spills or leaks immediately and dispose of cleanup materials properly.
 - Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
 - Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
 - Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
 - Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number. 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-5550 (24 hours).

Earthmoving



- Schedule grading and excavation work during dry weather.
- Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or banded fiber mats) until vegetation is established.
- Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as filter rolls, silt fences, sediment basins, gravel bags, berms, etc.
- Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

- Contaminated Soils**
- If any of the following conditions are observed or suspected, stop work and report to the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration, or odor.
 - Abandoned underground tanks.
 - Abandoned wells.
 - Buried barrels, debris, or trash.

Paving/Asphalt Work



- Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

- Sawcutting & Asphalt/Concrete Removal**
- Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
 - Shovel, absorb, or vacuum saw cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner).
 - If sweep slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



- Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, rattle, and wind.
- Wash our concrete equipment/trucks offsite or in a designated washout area, as close to storm drain flow into a temporary water pit, and in a manner that will prevent leaching into the surrounding soil or into surrounding areas. Leachate filter and dispose of it separately.
- When washing exposed aggregate, prevent wash water from being storm water. Block wash water into ditches or gutters, hose washwater into dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- Protect stockpiled landscaping materials from wind and rain by storing them under tarp all year-round.
- Stack bagged material on pallets and under cover.
- Discourage application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Painting & Paint Removal



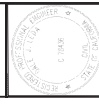
- Painting Cleanup and Removal**
- Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
 - For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
 - For oil-based paints, paint out brushes to the extent possible and steam with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
 - Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
 - Chemical paint stripping residue and chips and dust from mastic paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.



Dewatering

- Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- Divert run-off water from offsite away from all disturbed areas.
- When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to \$10,000 per day!



Date	Revisions
08/14/2019	No.
10/17/2019	REVISIONS
02/11/2020	BUILDING PERMIT - REV 2
	BUILDING PERMIT - REV 3
	APPROVED FOR
	NO. 20170335-10



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT G

COUNTY OF SAN MATEO
PLANNING AND BUILDING

County Government Center
 455 County Center, 2nd Floor
 Redwood City, CA 94063
 650-363-4161 T
 650-363-4849 F
www.planning.smcgov.org

November 15, 2019

Half Moon Grow, Inc.
 Attn: Aneese Bishara & Ed Wilkinson
 3110 E. Garvey Ave. South
 West Covina, CA 91791

Dear Mr. Bishara and Mr. Wilkinson,

SUBJECT: Commercial Cannabis Cultivation License applications
 37 Frenchman's Creek Road, Half Moon Bay
 APN 048-320-020
 County File No. MNA2018-00022

The San Mateo County Planning and Building Department (Department) has reviewed your application for a number of licenses to operate a Commercial Cannabis Cultivation operation at 37 Frenchman's Creek Road. The Department, with this letter, **approves issuance of the following licenses to Half Moon Grow, Inc., for activities to be conducted in Greenhouse number 8:**

GREENHOUSE NUMBER	LICENSE TYPE	COUNTY LICENSE NUMBER	STATE LICENSE NUMBER	SIZE OF CANOPY*
8	Small Mixed	SMC-1	PAL19-0001882	5,940 sq. ft.
	Light (Type 2B)	SMC-2	PAL19-0002074	9,504 sq. ft.
		SMC-3	PAL19-0002075	9,504 sq. ft.

* As depicted on Sheet G-00 of the Architectural Plans dated January 31, 2019 and submitted to the County on February 4, 2019

Additionally, Half Moon Grow, Inc., submitted applications for two Medium size Mixed-Light licenses (Type 3B) for activities to be conducted in greenhouse buildings 9N and 9S. **The County cannot approve those license applications at this time.** The Department determined that Greenhouses 9N and 9S were constructed by the previous property owner without permits. Therefore, both buildings must be legalized before cultivation licenses can be issued. Subsequent to your initial cannabis license applications, you submitted the required Coastal Development Permit (CDP) and Building Permit applications to legalize these two buildings. Processing of that CDP application is ongoing.



In addition to the cultivation licenses discussed above, a separate business entity, Half Moon Grow Nursery, Inc., has applied for a Type 4 (Nursery) license on this parcel. A determination on that license application will be the subject of a separate letter.

For purposes of California Environmental Quality Act (CEQA) review, the Department defined the project to include the activity proposed by all the cannabis license applications, collectively, in order to adequately assess potential impacts of all proposed cannabis cultivation activities on the site.

A. California Environmental Quality Act (CEQA) Review

The County prepared an Initial Study and Mitigated Negative Declaration (IS/MND) for this project and circulated the IS/MND through the State Clearinghouse in February 2019, for distribution to responsible State agencies. A notice of availability was also published in the Half Moon Bay Review and the San Mateo County Times. County Staff received comments from the California Department of Fish & Wildlife (CDFW) and the California Department of Food & Agriculture's (CDFA) CalCannabis Cultivation Licensing Division (CalCannabis) requesting additional analysis pertaining to their regulatory requirements, as well as comments from one member of the public.

In response to the comments received, the County prepared a Revised IS/MND, recirculated the document through the State Clearinghouse and published a notice of availability in the Half Moon Bay Review and the San Mateo County Times. The public review period for the revised document was June 12 – July 12, 2019. In addition, staff directly notified interested parties that had requested notice of the document's availability.

The County received three sets of comments on the Revised IS/MND, which are summarized and discussed below in Section I.B. Staff has made minor modifications to the Revised IS/MND, as described in Section I.A, below.

Pursuant to CEQA Guidelines Section 15073.5(c)(4), the addition of new information that clarifies, amplifies, or makes insignificant modifications to a negative declaration does not require recirculation. Recirculation is also not required if project revisions are added in response to comments on the project's effects identified in the negative declaration which are not new avoidable significant effects, or if measures or conditions of approval are added after circulation which are not required by CEQA and which do not create new significant effects and are not necessary to mitigate a significant effect. (CEQA Guidelines Section 15073.5(c)((2)-(3).)

Recirculation is only required when a negative declaration is "substantially revised." (CEQA Guidelines Section 15073.5.) A substantial revision means (1) a new avoidable significant effect is identified, and to reduce that effect to a less-than-significant level, mitigation measures or project revisions must be added; or (2) mitigation measures or project revisions originally included will not reduce an impact to a less-than-significant level, and new mitigation measures or project revisions must be added. (*Id.*)

Staff concludes that additional modifications to the Revised IS/MND are needed to clarify the project description and associated portions of the Revised IS/MND in response to comments

received. However, no new significant impacts have been identified, and no new mitigation measures are required. Therefore, recirculation of the IS/MND is not required.

B. Minor Modifications to Revised IS/MND

The following sections of the Revised IS/MND are amended as follows (additions are indicated in double underline and deletions are indicated in ~~strike through~~):

10. **Description of the Project:** *(Describe the whole action involved, including, but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation.)*

Much of the existing site was developed in the 1960s for agricultural purposes. Several engineered greenhouses and metal barn/storage buildings have been constructed on the site (see attached civil plans – Attachment A). Additionally, associated roadways, parking areas, irrigation system, and other related infrastructure are present on the property and have been used historically to grow orchids, ornamental flowers, and cherry trees. The proposed project (issuance of the cannabis cultivation licenses described in the table below) will occupy the existing mixed light greenhouses. Two of the existing greenhouses (Greenhouses 9S and 9N) were constructed by the previous owner without permits. Legalization of those greenhouses will require an After-the-Fact Coastal Development Permit (CDP), which must be obtained prior to introducing cannabis cultivation in those structures. Other minor modifications to existing greenhouses to accommodate cannabis cultivation do not require a CDP. Water will be obtained via an existing licensed in-stream diversion as described below. No new greenhouse construction is proposed; minor road improvements and a water tank associated with the legalization of Greenhouses 9S and 9N are described in more detail below.

A total of five greenhouse buildings will be used as shown below (please see Attachment B (architectural plans) for location of referenced greenhouses):

GREENHOUSE NUMBER	LICENSE TYPE	LICENSE NUMBER	SIZE OF CANOPY
2	Nursery	TCA18-9557*	4,064 sq. ft.
3	Nursery	TCA18-9557*	37,779 sq. ft.
8	Small Mixed	TCA18-9561	5,940 sq. ft.
	Light	TCA18-9564	9,504 sq. ft.
9S		TCA18-9566	9,504 sq. ft.
	Medium	TCA18-9567#	8,640 sq. ft.
9N	Mixed Light		
	Medium	TCA18-9567#	8,640 sq. ft.
	Mixed Light		

*The applicant for the Nursery license (Half Moon Grow Nursery, Inc.) is proposing to split this license between the two greenhouses.

#The applicants propose to split the Medium Mixed Light license between the two greenhouses.

In addition to the greenhouses cited above, four existing warehouse buildings will be used for storage of fertilizer and other agricultural supplies, a drying shed, and office/personnel use.

The applicants propose using hydroponic growing practices to minimize water use. All water will be supplied from existing permitted sources. No new water sources are proposed. The applicants are proposing a workforce of eight full-time employees with up to an additional eight part-time employees during harvest periods. No new buildings are proposed.

Water Supply

The existing in-stream water diversion, which has been in place since 2009, is permitted by water right licenses 6556 and 10827 and an existing California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement (LSAA) for use in irrigating an orchid flower farm and fruit orchards present on the property for more than 30 years; both licenses were amended by the State Water Resources Control Board (SWQCB) in 2012 by the former owner/operator to improve efficiency and reduce long-term maintenance requirements that were detrimental to the stream corridor. Diversion under the existing amended licenses and LSAA is confined to the period of January 1 to March 31 of each year. During this period, the required minimum in-stream bypass flow rate has been set at 2.8 cubic feet per second (cfs) and stream flow must increase above this rate in order for the applicants to divert water out of Frenchman's Creek. The maximum rate of diversion may not exceed 0.4 cfs (180 gallons per minute) and the total amount of water allowed to be diverted in a single season may not exceed 10.66 acre-feet.

The existing state water right licenses will be transferred to the new property owner (Half Moon Grow) as part of the change in ownership/sale of property. The applicant provided written notification to CDFW pursuant to Section 1600 of the California Fish & Game Code to apply for a new LSAA subject to the conditions of the former LSAA on September 20, 2018. As part of the notification, water calculations were submitted by the applicants to show that the total annual diversion is not expected to exceed 4.0 acre-feet in most years, below the allowable 10.66 acre-feet authorized under the existing state license and previous water diversions historically conducted by the prior owner.

Energy

The application materials indicate that the applicants intend to enroll in either PG&E's Solar Choice program or Peninsula Clean Energy's Eco100 clean energy program. Both programs provide electricity from 100% renewable sources. The applicants have stated that they intend to install a PV (solar) system at the site in the future to reduce their costs while still meeting the County's requirements.

Water Tank

The applicants have begun construction of a 28,000 gallon water storage tank, which is located immediately adjacent to Greenhouse 9N. Prior to the beginning of construction, this was a flat grassy area that was previously used for field grown flowers. At the present time, those areas not affected by construction are covered by non-native grasses and weeds. No biotic resources have been identified at this location. The corrugated metal tank stands 8'-4" tall and has a diameter of 25.5', and is anchored to a concrete pad. Once completed, the new tank will be incorporated into the existing water supply infrastructure on the site and will provide additional on-site water storage for fire suppression. The need for additional on-site water storage for fire suppression was identified by the Coastside Fire Protection District as part of their review of the building permit application to legalize Greenhouses 9N and 9S.

Road Improvements

In addition to the water storage tank, the Coastside Fire Protection District, as part of their review of the building permit application to legalize Greenhouses 9N and 9S, requested that the applicants improve Frenchman's Creek Road. Frenchman's Creek Road is a private road that extends approximately 5,000 feet in length from its intersection with Cabrillo Highway to the spur road leading into the greenhouse complex. The road in its existing condition averages 18 – 19 feet in width, but with several sections where the width drops down to as little as 10 – 13 feet in width. In its present condition, the road does not meet current Fire District standards for width and lacks turnouts to allow vehicles to pull off to the side and allow emergency vehicle passage. Additionally, the road surface is in disrepair with numerous potholes and broken sections of asphalt. The first 3,500 feet of the road lies within the jurisdiction of the City of Half Moon Bay, which has permitting authority for any road improvements on this first portion of road.

To address the Fire District's access requirements, the applicants are proposing to repave the portion of Frenchman's Creek Road that lies within the City's jurisdiction with a 2" asphalt overlay that extends only to the limits of the existing gravel shoulders. In addition, several turnouts will be constructed, per Fire District standards, along the length of the road. The only grading required to construct the improvements is minor cutting back of a bank at Station 44+00 (approximately 135 c.y.). The new pavement will add an additional 1,250 s.f. of asphalt to the existing road. The Coastside Fire Protection District has reviewed the proposed road improvement plans and approved the proposed plan.

4. BIOLOGICAL RESOURCES. Would the project:					
4.b.	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
<p>Discussion: As discussed above, there will be no physical changes to the existing stream diversion structure on Frenchman’s Creek. Nor will there be a change to the rate, total amount or time of year during which water can be withdrawn from the Creek. The project will not have a new, significant impact upon the riparian habitat of Frenchman’s Creek. With regard to the fragmentary riparian habitat within the greenhouse complex, no cultivation activities or other potential ground disturbing activities are proposed <u>in or adjacent to this habitat</u>. <u>The partially constructed water tank (discussed in the amended Project Description section) is approximately 180 feet away from the nearest identified sensitive habitat (ephemeral stream channel), with an active driveway between the tank location and the stream channel.</u> <u>The area where the water tank is being constructed was formerly used for field grown flowers and at the present is covered by non-native grasses and weeds.</u> All cultivation activities will continue to occur within the existing greenhouse buildings. <u>In conjunction with the submittal of the road improvement plans, the applicants submitted a biological report, prepared by Sol Ecology, which assessed potential riparian and wetland habitat adjacent to the road and any potential impact the project might have on said resources.</u> <u>One agricultural pond was identified adjacent to the proposed road work. This pond is approximately 35 feet away from any area of disturbance.</u> <u>Additionally, two riparian areas associated with culverted drainages exist on either side of the road. Proposed turnout areas have been sited away from these features in order to minimize any potential impacts.</u> <u>No road repaving is proposed near these two areas.</u> <u>No direct impacts to biotic resources were identified by the biologist.</u> <u>However, the biologist recommended several standard Best Management Practices to ensure no impacts to transient resources, such as California red-legged frog.</u> <u>Those recommended measures will be imposed as conditions of approval (Conditions 13 - 16).</u></p> <p>Source: Project plans, site reconnaissance</p>					

RESPONSIBLE AGENCIES. Check what agency has permit authority or other approval for the project.

AGENCY	YES	NO	TYPE OF APPROVAL
Bay Area Air Quality Management District	X		Limited Use Stationary Compression Ignition (Diesel) Engines in Agricultural Use registration

AGENCY	YES	NO	TYPE OF APPROVAL
Caltrans		X	
<u>City of Half Moon Bay</u>	<u>X</u>	X	<u>Coastal Development Permit or Exemption</u>
California Coastal Commission		X	
County Airport Land Use Commission (ALUC)		X	
Other: California Department of Food and Agriculture (CalCannabis Cultivation Licensing)	X		Annual Cannabis Cultivation License
Regional Water Quality Control Board	X		Notice of Applicability, Conditional Waiver of Water Quality Order WQ-2017-0023-DWQ
San Francisco Bay Conservation and Development Commission (BCDC)		X	
Sewer/Water District:		X	
State Department of Fish and Wildlife	X		Lake and Streambed Alteration Agreement
State Department of Public Health		X	
State Water Resources Control Board		X	
U.S. Army Corps of Engineers (CE)		X	
U.S. Environmental Protection Agency (EPA)		X	
U.S. Fish and Wildlife Service		X	
<u>Coastside Fire Protection District</u>	<u>X</u>		<u>Building Permit approval</u>

C. Responses to Comments Received on the Revised IS/MND

Anne Martin, Advocates for a Clean Environment

1. ***The RMND is based on an initial study completed May 29, 2019 that fails to adequately describe the Project and fails to describe the condition of the Project site as of that date.***

The extensive construction activity that was conducted by the applicants WITHOUT PERMITS between March 13 and May 22 made major changes to the Project site. Construction activities are documented to include grading, pouring of concrete pads, installation of water holding tanks, extensive irrigation systems installed, and extensive modifications to existing greenhouse building shell and its construction, and ventilation systems.

Staff response: As documented by the County's Building Inspector, construction activity has occurred on the site, primarily modifications to the existing greenhouse buildings and the addition of a water tank. As noted by the commenter, prior to engaging in construction activity, the applicants had submitted applications for building permits for this work. However, those building permits had not been issued, and have not been issued to date, pending approval of the requiring cannabis cultivation licenses and associated planning permits. As a result, the construction activities were conducted in violation of the County's Building Regulations. The County's Code Compliance Division responded to the complaint regarding unpermitted construction activity, and the applicants ended construction activities and cooperated with County Code Compliance. The unpermitted construction activity within the existing greenhouses did not directly impact or change the natural environment. The water tank was constructed adjacent to Greenhouse 9N in an area that had previously been used for field grown flowers. No biotic resources had been identified at this location. While the unpermitted construction activities constituted a violation of the County's Building Regulations, the activities are within the scope of the revised project description analyzed in the Revised IS/MND and in Section I.A of this decision letter. The construction activities did not substantially alter the condition of the project site nor generate new significant impacts that would require a major revision to the Revised IS/MND.

2. ***The Project may not have been entitled to a Coastal Development Permit ("CDP") Exemption.***

Additionally, the entire Project was granted an exemption from requiring a CDP on the same underlying assumption that there would be minimal construction activities or modification to the existing infrastructure. In light of the evidence presented by the applicants themselves, and now documented by the County Building and Planning departments, it is plainly obvious that this project is required to go through the CDP process, and is subject to Coastal Commission oversight, and that the project is appealable to the Coastal Commission.

Staff response: Pursuant to County Ordinance Code Chapter 5.148, the issuance of a cannabis cultivation license (which only authorizes cultivation of a specific plant) does not, on its own, constitute development requiring a Coastal Development Permit. However, physical modifications to buildings or the construction of new structures or buildings may require a Coastal Development Permit or exemption. As discussed previously and in the

Revised IS/MND, Greenhouses 9N and 9S were constructed by the previous property owner without permits. The applicants have submitted applications for a Coastal Development Permit to legalize those buildings as well as to construct a water tank for fire suppression. That permit will be appealable to the Coastal Commission.

The proposed modifications to Greenhouses 2, 3, and 8 (installation of new lighting, exhaust fans, electrical panels, irrigations systems), qualify for a Coastal Development Exemption (CDx) under the "Agriculturally-Related Development" category. The previously discussed road improvements will also qualify for a CDx under the "Repair and Maintenance" category.

3. *Several Grounds Exist on Which to Deny Applicant's Cannabis Cultivation License Applications.*

Applicant's proposed Commercial Cannabis Activities violate Section 5.148.160(b) of the County Code because it seeks to grow a total of 84,071 square feet of Canopy. That Section states that the county will not restrict the number of licenses held by an Owner, "provided the Owner's total authorized Canopy, as indicated in the Licenses, does not exceed a maximum of 66,000 square feet on a single parcel or across multiple parcels..." Thus the Applicant's proposed activities violate a provision of the County Code and the Department will be unable to find that the application in its current form complies with County Code requirements.

Staff response: The comment does not relate to compliance with CEQA. However, as noted in the introduction to this decision letter, the Department is only approving the issuance of licenses in Greenhouse No. 8 (three small mixed light licenses for a total of 24,948 square feet). The County does not intend to issue additional licenses to the Owner (as that term is defined in Chapter 5.148) that would cause the Owner to exceed 66,000 square feet as limited by the Ordinance.

4. *Applicant's unpermitted construction activities over a period of four months show a total disregard for the CEQA process, for fire safety and for the County's Building Permit process.*

This pattern of unlawful behavior even while their application was being considered raises a question of whether Applicant can be trusted to comply with the odor, pesticide, security, water and other requirements outlined in the County Cannabis Cultivation ordinance.

Staff response: The comment is noted. Staff is confident in its ability to enforce the mitigation measures identified in the Revised IS/MND.

Douglas Garrison, City of Half Moon Bay, Community Development Department

- 1. The City of Half Moon Bay (City) is requesting that Frenchman's Creek Road improvement plans be prepared that meet Fire District and California Fire Code standards and that the improvements be included in the project description and that potential impacts be evaluated in the Initial Study/Mitigated Negative Declaration (IS/MND).*

The road widening and associated construction and staging activities are not included in the Project Description and potential impacts have not been evaluated in the IS/MND. Pursuant to CEQA Guidelines, Section 15378, which defines of the term "Project," the road widening and associated activities are part of the Project and must be included in the project description and potential impacts must be evaluated in the IS/MND. Although the County is the lead agency responsible for preparing the CEQA environmental evaluation, it should be noted that the impact evaluation is required to address the entire Project, including the portion that extends into the City.

Staff response: On July 10, 2019, after the Revised IS/MND was circulated, the applicants submitted a building permit application to construct the above discussed water tank. Additionally, at that time, the applicants informed Staff that they were in discussions with the other property owners on Frenchman's Creek Road (a private road), as well as the Coastside Fire Protection District, regarding improvements to the road, as discussed above. The potential environmental impacts associated with the minor road improvements were discussed above in Section I.A. These project revisions (water tank and road improvements) have been required by the Coastside Fire Protection District as conditions of the building permit for Greenhouses 9N and 9S.

The project description of the Revised IS/MND has been updated to describe the road improvements and water tank required by Coastside Fire Protection District. (See Section I.A, above for the description of these additional project elements.) As discussed above, both additional elements are minor in scope and there is no evidence that construction of either will have a significant impact upon identified environmental resources.

- 2. The scope of the Biological Study should be expanded to identify environmentally sensitive habitat areas (ESHA) along Frenchman's Creek Road, evaluate potential impacts and if appropriate identify avoidance or mitigation measures.*

Staff response: As discussed above, a Biological Reconnaissance report was submitted to both the City and the County. The report recommended the implementation of standard Best Management Practices which have been included as Conditions of Approval 13 - 16 of this decision letter.

- 3. Sections, 7 and 10 of the IS/MND evaluate potential impacts associated with increased runoff, alteration of natural drainages and erosion. However, the evaluation does not include hydrologic data, analysis or an evaluation of potential impacts associated with widening the road.*

Staff response: The project plans do not indicate any filling of existing drainage features (i.e. – roadside drainage ditches) where they exist. Nor does the project propose substantial grading across the length of the existing road prism (which would alter the existing drainage patterns). The proposed re-paving will only add 1,250 sq. ft. of new impervious surface within a project area of approximately 1.55 acres. There is insufficient evidence to conclude that the proposed road work will create a significant drainage or erosion problem.

Dan Siegel, Attorney representing Gloria Farms, LLC (39 Frenchmans Creek Road) and Fiorina Farms, LLC (41 Frenchmans Creek Road).

1. *The baseline for the analysis of the proposed project's impacts should be the existing conditions. The IS/MND references some level of historical use at the property, but that previous use declined over time and for some amount of time the project site has been vacant. The IS/MND should clearly identify the existing conditions as a vacant site and compare the impact that would be caused by the proposed project to that baseline.*

Staff response: Section 10 of the Revised IS/MND describes the existing condition of the project site. References to historical activity levels are provided for information and context, but the Revised IS/MND conservatively evaluated the potential impacts of the project as the change from conditions on the site as they existed at the time of application. At the time of application, a limited level of agricultural activity continued at the site (including hot house flowers and orchids) grown within the subject greenhouses by the previous property owner.

2. *The proposed project is not described in adequate detail. The IS/MND indicates that there will be security at the project site; however, it does not describe what those security measures include. The IS/MND notes that there will be regular wastewater collection; however, it does not identify the frequency of waste collection and the number of trips that will be generated. To adequately analyze the potential impacts of the proposed project, the description needs to include sufficient detail; currently it does not.*

Staff response: The Revised IS/MND clearly shows the proposed security measures to be constructed on site. Please reference Sheets C8.1 and C8.2 of Attachment A to the Revised IS/MND (Civil Plans) for a breakdown of the proposed security cameras and lighting. With regard to the amount of irrigation tail water that will be collected and transported off-site for disposal, the applicants indicated to staff that this would require 1-2 truck trips per month based upon their experience with the proposed irrigation system they will be using. Please refer to Section 10 of the Revised IS/MND for further discussion of the hydroponic irrigation system. The analysis contained in the Revised IS/MND was based upon reasonable assumptions derived from information provided verbally from the applicants as well as staff research regarding hydroponic systems.

3. *The IS/MND estimates that there will be only 20 to 42 vehicle trips per day associated with the proposed project. With eight full time employees, that would be a minimum of 16 trips per day (if each worker only drove to and from the site once each day, which seems optimistic). The IS/MND also estimates that there will be two to five delivery vans or trucks each day (which seems low for an active growing operation). Adding those two numbers together there would be a minimum of 21 trips per day. During harvest, when there are eight more part-time employees there would be at least another 16 trips, which totals 37 trips per day. However, there are a number of potential sources of trips that are not reflected in this estimate. First, if there is a private security company that patrols the site, there would be additional daily trips associated with security. Second, the number of wastewater collection trips should also be identified and added to the total potential number of daily trips.*

Staff response: As noted by the commenter, the Revised IS/MND provided a range of potential vehicle trips per day that would result from the proposed project. Within the range presented (20 to 42 trips per day), staff anticipates the exact number of trips may fluctuate

based on a variety of factors, including the time of year, and the level of carpooling by employees. The range also accommodates the occasional trips needed for wastewater collection (see prior response for the estimated frequency of such trips). With regard to private security, the applicants' submitted security plan does not propose the use of private security.

4. *The IS/MND does not take into account the comments from the Department of Fish and Wildlife which were submitted on March 21, 2019. In that letter the Department of Fish and Wildlife states that the applicant may utilize water from a water hauling company, if the applicant is unable to divert. The IS/MND does not address the possibility of these trips nor include them in their count of potential trips.*

Staff response: CDFW has issued an updated Lake and Streambed Alteration Agreement (LSAA) to the applicants (required in part because of a change in land ownership). One of the "Avoidance and Minimization Measures" contained in the agreement permits the applicants to "utilize water from a water hauling company the first year of this LSAA if the Permittee is unable to divert". The applicant's authority to divert water out of Frenchman's Creek under this LSAA is independent of whether the County grants the requested cannabis licenses. The approved LSAA prohibits water withdrawals from the Creek if stream flows are below 2.8 cfs. The allowance for hauling in water (for irrigation purposes) to the project site is a "safety valve" in case the upcoming wet season produces less rain than average (which could result in stream flows below 2.8 cfs for the entire withdrawal period). It would be speculative to assume that such a scenario will occur. As discussed in Section 19 of the Revised IS/MND, the applicants estimate that their water consumption (at full capacity, which will likely not occur during the first year) will be less than 900,000 gallons per year. The existing water storage system has a holding capacity of approximately 3.5 million gallons and at last check was approximately 60% of capacity. Therefore, it is speculative to conclude that the applicants will engage in expensive water hauling at such a frequency as to result in traffic-related impacts.

5. *The IS/MND does not assume that there will be any additional sheriff patrols to the site. However, cannabis is a new land use in California and given that this is still a Schedule I illegal substance according to Federal law, it may be optimistic to suggest that more sheriff patrols to the site would not be needed.*

Staff response: The Department referred the subject application to the Sheriff's Office for review, and received no comments in response. The comment about increased Sheriff's patrols to the project site is speculative. Further, the likelihood that any occasional patrol by a Sheriff's deputy would result in an environmental impact is not reasonably foreseeable.

6. *The proposed project does not include the whole of the action as required by the California Environmental Quality Act. The IS/MND fails to include the road rehabilitation in the project description.*

Staff response: See above discussion regarding the inclusion of the road improvements into the project description and Staff's analysis of this proposed work.

7. *Update the required permitting agency to include the City of Half Moon Bay, as the City will be required to issue a building permit for the proposed pavement rehabilitation that is included with the proposed project. Given the heightened awareness of fire safety it is important to ensure that the Coastside Fire Protection District review and approve the project plans and any necessary permits. Depending on the final limits and scope of the pavement work, the project may also require a Coastal Development Permit. Finally, PG&E approval may be needed regarding power lines and the road. All of these should be included in the list of agencies required to provide approvals.*

Staff response: The City has been included as a responsible agency (See Section I.A, above). The Coastside Fire Protection District must also give their approval at the building permit stage. They have indicated to County staff that the proposed plans for road improvements meet their requirements for access. PG&E is not a public agency with permitting authority within the meaning of CEQA.

FINDINGS

For the Environmental Review, Find:

1. That the Revised Mitigated Negative Declaration is complete, correct and adequate and prepared in accordance with the California Environmental Quality Act and applicable State and County guidelines.
2. That, on the basis of the Revised Initial Study, and comments received thereto, that there is no substantial evidence that the project, if subject to the mitigation measures contained in the Revised Negative Declaration, will have a significant effect on the environment.
3. That the comments received on the Revised Mitigated Negative Declaration require only insignificant revisions to the Revised Mitigated Negative Declaration, and therefore recirculation is not required.
4. That the Revised Mitigated Negative Declaration reflects the independent judgment of San Mateo County.
5. That the mitigation measures identified in the Revised Negative Declaration, agreed to by the applicant, and placed as conditions on the project, have been incorporated into the Mitigation Monitoring and Reporting Plan in conformance with California Public Resources Code Section 21081.6 and attached hereto as Attachment A.

For Cannabis Cultivation Licenses SMC-1, SMC-2, and SMC-3, Find:

6. *That the Applicant's proposed Commercial Cannabis Activities comply with the provisions of this Chapter and all additional requirements of State law and County Code;*

Staff has reviewed the submitted application and found that the information submitted complies with the County Ordinance Code Chapter 5.148 ("Regulations of Cannabis in the

Unincorporated Area of San Mateo County.”). The applicants have applied for the required State licenses, which have been provisionally approved by the State pending a decision from the County.

7. *That the Application is either exempt from or has complied with the requirements of the California Environmental Quality Act (“CEQA”);*

The Department has prepared, and with this decision letter is adopting the Revised Initial Study and Mitigated Negative Declaration for this project in compliance with CEQA.

8. *That feasible mitigation measures or feasible alternatives identified during CEQA review necessary to avoid or substantially lessen any significant impact on the environment have been imposed as an enforceable condition of the License;*

Mitigation measures were identified during preparation of the Initial Study and have been included as conditions of approval (Nos. 4 - 6) for this license.

9. *That the Department has imposed written conditions on the proposed Commercial Cannabis Activity which, in the judgment or discretion of the Community Development Director or his designee, are necessary to preserve the health, welfare, or safety of the community or environment.*

In addition to the previously discussed mitigation measures, Staff has included conditions of approval that reflect the requirements of the County’s Cannabis Cultivation Ordinance and prevent significant impacts to the health or safety of the community or the environment.

IMPORTANT INFORMATION

All Licenses shall include statements conveying the following information:

- 1) **Any License issued under this Chapter does not provide protection or immunity for any person from State or federal laws, or from prosecution pursuant to any applicable State or federal laws.**
- 2) **By accepting the License and engaging in a Commercial Cannabis Activity, the Licensee has released the County and its officers, insurers, sureties, servants, agents, supervisors, attorneys, employees, and representatives from and against any and all liability, and will indemnify them for any monetary damages related to or arising from issuance of the License, authorizing Licensee to engage in an authorized Commercial Cannabis Activity, enforcement of requirements or conditions related to the License, and/or revocation of the License.**

CONDITIONS OF APPROVAL

- 1) This approval applies only to the proposal as described in those plans, supporting materials and reports submitted on or before October 23, 2019. Minor revisions or modifications to

the project may be made subject to the review and approval of the Community Development Director, if they are consistent with the intent of and in substantial conformance with this approval.

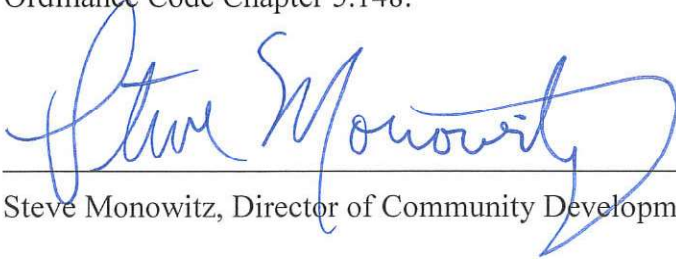
- 2) These cannabis cultivation licenses (SMC-1, SMC-2, and SMC-3) shall be valid for one year following the date of approval. The applicant shall file for a renewal of this license 60 days prior to expiration with the County Planning and Building Department, if continuation of this use is desired.
- 3) **The California Department of Fish and Wildlife has determined that this project is not exempt from Department of Fish and Wildlife California Environmental Quality Act filing fees per Fish and Game Code Section 711.4. The applicant must submit filing fees in the amount of \$2,404.75 (State determined filing fee of \$2,354.75 plus the \$50 County administrative fee), payable to the San Mateo County Clerk/Recorder's Office in order for the County to file the required Notice of Determination with the State Clearinghouse. Per California Code of Regulations Section 15075, the Notice of Determination must be filed within five business days of license approval.**
- 4) **Mitigation Measure 1:** The applicant shall install a carbon filter system (or a comparable system) on the exhaust outlets for all buildings that will contain flowering cannabis plants or their product. This includes the greenhouses and the drying and processing buildings. The applicant shall also submit a maintenance plan (which includes record keeping) for review and approval prior to issuance of the requested licenses.
- 5) **Mitigation Measure 2:**
 - a) The season of diversion (from Frenchman's Creek) shall be limited from January 1 to March 31 of each year ("forbearance period"). From April 1 to December 31, all water shall be allowed to pass the point of diversion.
 - b) The maximum instantaneous rate of withdrawal (from Frenchman's Creek) shall not exceed 0.4 cubic feet per second (cfs) or 180 gallons per minute (gpm) at any time. The maximum amount of water to be diverted in any one year shall not exceed 10.66-acre feet.
 - c) No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion (in Frenchman's Creek).
- 6) **Mitigation Measure 3:** If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted before any change in use or modification of the building occurs.
- 7) The applicant shall apply for building permits to implement the proposed surveillance and alarm plan. Said plan shall be installed, operated and maintained as proposed and as required by Section 5.148.130 of the San Mateo County Ordinance Code (Cannabis Cultivation regulations).

- 8) A License issued under this Chapter does not create any interest of value, is not transferable, and automatically terminates upon transfer of ownership of the License. Any change in ownership requires a renewal application pursuant to Section 5.148.090 of the SMC Ordinance Code. Except in cases of death or incapacity of a Licensee, if the License is not renewed prior to transfer of ownership, it shall be deemed revoked and the Licensee must cease all Commercial Cannabis Activity until such time that the Licensee is issued a new License from the Department. The Licensee and all Owners will be subject to enforcement actions for continuing operations after a License has expired without a renewal.
- 9) Premises shall be subject to inspections by County and State agencies, including, without limitation, the Department, County Code Compliance, County Division of Environmental Health, the applicable Fire Protection Agency, the County Sheriff's Office, the County Department of Agriculture/Weights and Measures, and the County Health System. Agents or employees of such agencies shall have unrestricted access to the Premises, including, without limitation, all rooms, buildings, structures, facilities, and limited access areas, for the purpose of conducting inspections during regular business hours. If a Licensee refuses an inspection or interferes with an authorized County department conducting an inspection, the Department may temporarily suspend the Licensee's License and order the immediate cessation of all Commercial Cannabis Activities on the Premises. For purposes of appeal, a suspension will be treated as a revocation and shall be governed by Section 5.148.170(b) of the SMC Ordinance Code.
- 10) The Licensees shall provide the Department with notice in writing, either by mail or electronic mail to the attention of the Community Development Director, within 24 hours of the following:
 - a) A criminal conviction rendered against the Licensee(s);
 - b) A civil penalty or judgment rendered against the Licensee(s);
 - c) Notice of revocation of a State License or other local authorization to conduct Commercial Cannabis Activities;
 - d) The Licensee(s) becomes aware of, or has reason to suspect, a diversion, theft, loss, or any other criminal activity involving its Commercial Cannabis Activities.
- 11) Prior to the beginning of cultivation activities associated with this license approval, the applicant must have an established account in a State-approved track and trace system. A Licensee may use any track and trace program approved by State agencies and shall comply with all State laws, rules, and regulations relating to track and trace, including, without limitation, system unique identifier (UID) requirements, user requirements, reporting requirements, and inventory requirements.
- 12) The Licensee shall implement and maintain the proposed fire prevention plan, which includes emergency vehicle access and turn-around at the Cultivation Site, vegetation

management, and fire break maintenance around all structures.

- 13) Per the requirements of Section 5.148.160(g) of the San Mateo County Ordinance, the Licensee shall relocate the 22,000 sq. ft. of non-cannabis commercial agricultural production existing at the site as of June 1, 2017 by reactivating and maintaining the 23,000 sq. ft. cherry orchard as depicted on the “Plan for Non-Cannabis Commercial Agricultural Production” submitted to the County on November 1, 2019. Prior to renewal of this license, the applicant shall submit a general management plan for this orchard, which shall include (as applicable) a pest management plan, pollination plan, irrigation plan, and pruning/tree vigor management plan.

The issuance of a commercial cannabis license is not appealable under the provisions of Ordinance Code Chapter 5.148.



Steve Monowitz, Director of Community Development

Cc: Anne Martin
David Schorr
City of Half Moon Bay
California Department of Fish & Wildlife
Regional Water Quality Control Board
Dan Siegel

**Attachment A:
Half Moon Grow Cannabis Cultivation License Application Revised IS/MND
Mitigation Monitoring and Reporting Program**

Mitigation Measure	Implementation Responsibility/Action	Implementation Timing	Monitoring and Enforcement Responsibility/Action	Date Completed/Signature
<p>Mitigation Measure 1: The applicant shall install a carbon filter system (or a comparable system) on the exhaust outlets for all buildings that will contain flowering cannabis plants or their product. This includes the greenhouses and the drying and processing buildings. The applicant shall also submit a maintenance plan (which includes record keeping) for review and approval prior to issuance of the requested licenses.</p>	<p>Applicant installs system and submits maintenance plan.</p>	<p>Applicant shall apply for required Building Permit to install filter systems prior to engaging in cultivation activity. Said Building permit shall be issued and finalized prior to placing cannabis plants in subject greenhouse.</p>	<p>Planning and Building Department to verify system installed and plan submitted.</p>	
<p>Mitigation Measure 2:</p>				
<p>a) The season of diversion (from Frenchman’s Creek) shall be limited from January 1 to March 31 of each year (“forbearance period”). From April 1 to December 31, all water shall be allowed to pass the point of diversion.</p>	<p>Applicant to observe and follow restrictions.</p>	<p>Ongoing.</p>	<p>California Department of Fish and Wildlife to provide ongoing monitoring.</p>	
<p>b) The maximum instantaneous rate of withdrawal (from Frenchman’s Creek) shall not exceed 0.4 cubic feet per second (cfs) or 180 gallons per minute (gpm) at any time. The maximum amount of water to be diverted in any one year shall not</p>				

exceed 10.66-acre feet.

c) No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion (in Frenchman's Creek).

<p>Mitigation Measure 3: If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted before any change in use or modification of the building occurs.</p>	<p>Applicant to notify Planning and Building Department if described activities to be conducted during specified period; and to hire qualified biologist for survey.</p>	<p>Prior to issuance of a building permit to alter, modify or occupy a building that may provide habitat for bats, the applicant or their representative shall conduct a roosting bat survey, if said permit is to be issued between April 1 – September 15 each year.</p>	<p>Planning and Building Department to verify biologist obtained and survey conducted; California Department of Fish and Wildlife if bats are present.</p>
<p></p>	<p></p>	<p>A letter report documenting said survey shall be submitted prior to issuance of said building permit.</p>	<p></p>

COUNTY OF SAN MATEO, PLANNING AND BUILDING DEPARTMENT

**NOTICE OF INTENT TO ADOPT
REVISED MITIGATED NEGATIVE DECLARATION**

A notice, pursuant to the California Environmental Quality Act of 1970, as amended (Public Resources Code 21,000, et seq.), that the following project: *Half Moon Grow Cannabis Cultivation License Application (Revised IS/MND)*, when adopted and implemented, will not have a significant impact on the environment.

FILE NO.: MNA2018-00022

OWNER: SKRRC LLC

APPLICANT:

Cultivation Licenses
Half Moon Grow, Inc.
3110 E. Garvey Ave S.
West Covina, CA 91791

Nursery License
Half Moon Grow Nursery, Inc.
37K Frenchman's Creek Road
Half Moon Bay, CA 94019

ASSESSOR'S PARCEL NO.: 048-320-020

LOCATION: 37 Frenchman's Creek Road, Half Moon Bay

PROJECT DESCRIPTION

Much of the existing site was developed in the 1960s for agricultural purposes. Several engineered greenhouses and metal barn/storage buildings have been constructed on the site (see attached civil plans – Attachment A). Additionally, associated roadways, parking areas, irrigation system, and other related infrastructure are present on the property and have been used historically to grow orchids, ornamental flowers, and cherry trees. The proposed project (cannabis cultivation) will occupy the existing mixed light greenhouses. Water will be obtained via an existing licensed in-stream diversion as described below. No new construction is proposed.

A total of five greenhouse buildings will be used as shown below (please see Attachment B (architectural plans) for location of referenced greenhouses):

Greenhouse Number	License Type	License Number	Size of Canopy
2	Nursery	TCA18-9557*	4,064 sq. ft.
3	Nursery	TCA18-9557*	37,779 sq. ft.
8	Small Mixed Light	TCA18-9561 TCA18-9564 TCA18-9566	5,940 sq. ft. 9,504 sq. ft. 9,504 sq. ft.
9S	Medium Mixed Light	TCA18-9567#	8,640 sq. ft.
9N	Medium Mixed Light	TCA18-9567#	8,640 sq. ft.

* The applicant for the Nursery license (Half Moon Grow Nursery, Inc.) is proposing to split this license between the two greenhouses.

The applicants propose to split the Medium Mixed Light license between the two greenhouses.

In addition to the greenhouses cited above, four existing warehouse buildings will be used for storage of fertilizer and other agricultural supplies, a drying shed, and office/personnel use.

The applicants propose using hydroponic growing practices to minimize water use. All water will be supplied from existing permitted sources. No new water sources are proposed. The applicants are proposing a workforce of eight full-time employees with up to an additional eight part-time employees during harvest periods. No new buildings are proposed.

Water Supply

The existing in-stream water diversion, which has been in place since 2009, is permitted by water right licenses 6556 and 10827 and an existing California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement (LSAA) for use in irrigating an orchid flower farm and fruit orchards present on the property for more than 30 years; both licenses were amended by the State Water Resources Control Board (SWQCB) in 2012 by the former owner/operator to improve efficiency and reduce long-term maintenance requirements that were detrimental to the stream corridor. Diversion under the existing amended licenses and LSAA is confined to the period of January 1 to March 31 of each year. During this period, the required minimum in-stream bypass flow rate has been set at 2.8 cubic feet second (cfs) and stream flow must increase above this rate in order for the applicants to divert water out of Frenchman's Creek. The maximum rate of diversion may not exceed 0.4 cfs (180 gallons per minute) and the total amount of water allowed to be diverted in a single season may not exceed 10.66-acre feet.

The existing state water right licenses will be transferred to the new property owner (Half Moon Grow) as part of the change in ownership/sale of property. The applicant provided written notification to CDFW pursuant to Section 1600 of the Fish and Game Code to apply for a new LSAA subject to the conditions of the former LSAA on September 20, 2018. As part of the notification, water calculations were submitted by the applicants to show that the total annual diversion is not expected to exceed 4.0-acre feet in most years, below the allowable 10.66-acre feet authorized under the existing state license and previous water diversions historically conducted by the prior owner.

Energy

The application materials indicate that the applicants intend to enroll in either PG&E's Solar Choice program or Peninsula Clean Energy's Eco100 clean energy program. Both programs provide electricity from 100% renewable sources. The applicants have stated that they intend to install a PV (solar) system at the site in the future to reduce their costs while still meeting the County's requirements.

FINDINGS AND BASIS FOR A NEGATIVE DECLARATION

The Current Planning Section has reviewed the initial study for the project and, based upon substantial evidence in the record, finds that:

1. The project will not adversely affect water or air quality or increase noise levels substantially.
2. The project will not have adverse impacts on the flora or fauna of the area.
3. The project will not degrade the aesthetic quality of the area.
4. The project will not have adverse impacts on traffic or land use.

5. In addition, the project will not:
 - a. Create impacts which have the potential to degrade the quality of the environment.
 - b. Create impacts which achieve short-term to the disadvantage of long-term environmental goals.
 - c. Create impacts for a project which are individually limited, but cumulatively considerable.
 - d. Create environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

The County of San Mateo has, therefore, determined that the environmental impact of the project is less than significant.

MITIGATION MEASURES included in the project to avoid potentially significant effects:

Mitigation Measure 1: Prior to the issuance of the requested Type 2B or 3B (Mixed Light, Cultivation) licenses, the applicant shall install a carbon filter system (or a comparable system) on the exhaust outlets for all buildings that will contain flowering cannabis plants or their product. This includes the greenhouses and the drying and processing buildings. The applicant shall also submit a maintenance plan (which includes record keeping) for review and approval prior to issuance of the requested licenses.

Mitigation Measure 2: From the California Department of Fish and Wildlife Lake and Streambed Alteration Agreement for the Half Moon Grow (37 Frenchman's Creek Road) cannabis cultivation license:

- The season of diversion (from Frenchman's Creek) shall be limited from January 1 to March 31 of each year ("forbearance period"). From April 1 to December 31, all water shall be allowed to pass the point of diversion.
- The maximum instantaneous rate of withdrawal (from Frenchman's Creek) shall not exceed 0.4 cubic feet per second (cfs) or 180 gallons per minute (gpm) at any time. The maximum amount of water to be diverted in any one year shall not exceed 10.66-acre feet.
- No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion (in Frenchman's Creek).

Mitigation Measure 3: If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted before any change in use or modification of the building occurs.

RESPONSIBLE AGENCY CONSULTATION

Regional Water Quality Control Board
California Department of Fish and Wildlife

California Department of Food and Agriculture (CalCannabis Cultivation Licensing)
Bay Area Air Quality Management District

INITIAL STUDY

The San Mateo County Current Planning Section has reviewed the Environmental Evaluation of this project and has found that the probable environmental impacts are insignificant. A copy of the initial study is attached.

REVIEW PERIOD: June 12, 2019 – July 12, 2019

All comments regarding the correctness, completeness, or adequacy of this Negative Declaration must be received by the County Planning and Building Department, 455 County Center, Second Floor, Redwood City, no later than **5:00 p.m., July 12, 2019.**

CONTACT PERSON

Michael Schaller
Project Planner, 650/363-1849
mschaller@smcgov.org



Michael Schaller, Project Planner

County of San Mateo
Planning and Building Department

**INITIAL STUDY
ENVIRONMENTAL EVALUATION CHECKLIST**
(To Be Completed by Planning Department)

1. **Project Title:** Half Moon Grow Cannabis Cultivation License application (Revised IS/MND)
2. **County File Number:** MNA2018-00022
3. **Lead Agency Name and Address:** San Mateo County Planning Department
455 County Center, 2nd Floor
Redwood City, CA 94063
4. **Contact Person and Phone Number:** Michael Schaller, Senior Planner
650/363-1849
5. **Project Location:** 37 Frenchman's Creek Road
Half Moon Bay, CA 94019
6. **Assessor's Parcel Number and Size of Parcel:** 048-320-020 (164.23 acres)
7. **Project Sponsor's Name and Address:**

Cultivation Licenses

Half Moon Grow, Inc.
3110 E. Garvey Ave S.
West Covina, CA 91791

Nursery License

Half Moon Grow Nursery, Inc.
37K Frenchman's Creek Road
Half Moon Bay, CA 94019

8. **Name of Person Undertaking the Project or Receiving the Project Approval (if different from Project Sponsor):** Same as above.
8. **General Plan Designation:** Agriculture (Rural)
9. **Zoning:** Planned Agricultural Development (PAD)
10. **Description of the Project:** *(Describe the whole action involved, including, but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation.)*

Much of the existing site was developed in the 1960s for agricultural purposes. Several engineered greenhouses and metal barn/storage buildings have been constructed on the site (see attached civil plans – Attachment A). Additionally, associated roadways, parking areas, irrigation system, and other related infrastructure are present on the property and have been used historically to grow orchids, ornamental flowers, and cherry trees. The proposed project (cannabis cultivation) will occupy the existing mixed light greenhouses. Water will be obtained via an existing licensed in-stream diversion as described below. No new construction is proposed.

A total of five greenhouse buildings will be used as shown below (please see Attachment B (architectural plans) for location of referenced greenhouses):

GREENHOUSE NUMBER	LICENSE TYPE	LICENSE NUMBER	SIZE OF CANOPY
2	Nursery	TCA18-9557*	4,064 sq. ft.
3	Nursery	TCA18-9557*	37,779 sq. ft.
8	Small Mixed Light	TCA18-9561	5,940 sq. ft.
		TCA18-9564	9,504 sq. ft.
		TCA18-9566	9,504 sq. ft.
9S	Medium Mixed Light	TCA18-9567#	8,640 sq. ft.
9N	Medium Mixed Light	TCA18-9567#	8,640 sq. ft.

*The applicant for the Nursery license (Half Moon Grow Nursery, Inc.) is proposing to split this license between the two greenhouses.

#The applicants propose to split the Medium Mixed Light license between the two greenhouses.

In addition to the greenhouses cited above, four existing warehouse buildings will be used for storage of fertilizer and other agricultural supplies, a drying shed, and office/personnel use.

The applicants propose using hydroponic growing practices to minimize water use. All water will be supplied from existing permitted sources. No new water sources are proposed. The applicants are proposing a workforce of eight full-time employees with up to an additional eight part-time employees during harvest periods. No new buildings are proposed.

Water Supply

The existing in-stream water diversion, which has been in place since 2009, is permitted by water right licenses 6556 and 10827 and an existing California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement (LSAA) for use in irrigating an orchid flower farm and fruit orchards present on the property for more than 30 years; both licenses were amended by the State Water Resources Control Board (SWQCB) in 2012 by the former owner/operator to improve efficiency and reduce long-term maintenance requirements that were detrimental to the stream corridor. Diversion under the existing amended licenses and LSAA is confined to the period of January 1 to March 31 of each year. During this period, the required minimum in-stream bypass flow rate has been set at 2.8 cubic feet second (cfs) and stream flow must increase above this rate in order for the applicants to divert water out of Frenchman’s Creek. The maximum rate of diversion may not exceed 0.4 cfs (180 gallons per minute) and the total amount of water allowed to be diverted in a single season may not exceed 10.66-acre feet.

The existing state water right licenses will be transferred to the new property owner (Half Moon Grow) as part of the change in ownership/sale of property. The applicant provided written notification to CDFW pursuant to Section 1600 of the Fish and Game Code to apply for a new LSAA subject to the conditions of the former LSAA on September 20, 2018. As part of the notification, water calculations were submitted by the applicants to show that the total annual diversion is not expected to exceed 4.0-acre feet in most years, below the allowable 10.66-acre feet authorized under the existing state license and previous water diversions historically conducted by the prior owner.

Energy

The application materials indicate that the applicants intend to enroll in either PG&E's Solar Choice program or Peninsula Clean Energy's Eco100 clean energy program. Both programs provide electricity from 100% renewable sources. The applicants have stated that they intend to install a PV (solar) system at the site in the future to reduce their costs while still meeting the County's requirements.

11. **Surrounding Land Uses and Setting:** Agricultural/Open Space. There is a residence approximately 400 feet west of the southernmost greenhouse on the project parcel. There is another residence approximately 1,000 feet north of the northernmost greenhouse proposed for use under this license application. All surrounding parcels are designated for agricultural or open space use. The nearest school (Half Moon Bay HS) is approximately 1.1 miles south of the Project site. There are no other known protected sites (i.e., day care centers, youth centers or playgrounds, drug or alcohol treatment centers, residentially-designated properties) within 600 feet of the project site.

The project parcel is approximately 164 acres in size. The western property line is roughly contiguous with Frenchman's Creek. The Creek is bordered by typical Coastal Riparian habitat on both sides. The existing water diversion structure is located within the creek channel with the existing pump house and storage tanks adjacent, but outside the banks of the creek. These structures were constructed under permit in the 1960's. No alterations or modifications of these structures are proposed. Water from the creek diversion is pumped east and uphill to an existing reservoir (approximately 12.25 acre-foot capacity) that has been used historically to provide water storage for the greenhouse complex. The reservoir sits at the top of a ridge that bisects the project parcel. To the east of this ridge lies the canyon in which the greenhouse complex is located. Loess Creek, a tributary to Frenchman's Creek runs through this canyon. Much of Loess Creek was undergrounded sometime in the 1950s or 60s. To the east of this canyon lies a dominant ridge that occupies the entire eastern portion of the project parcel. No activities are proposed in this area of the parcel.

As part of a separate permitting process to legalize buildings constructed approximately 10 years ago, the applicants have submitted a biological study prepared by Sol Ecology (Attachments C and D). The following information is from that report. Soils at the site are mapped as Miramar coarse sandy loam, Farrallone coarse sandy loam, and Gullied Land (alluvial soil material). The Miramar and Farrallone series consist of moderately deep, well drained soils that formed in material weathered from quartz diorite. These soil types are found on coastal hills and mountains with slopes between 9 to 75 percent, at elevations between 200 to 2,000 feet. Typical vegetation includes coastal shrubs such as monkey flower, sage, and poison oak. Elevations at the Project site range from 150 feet to 400 feet (45 to 120 meters). Vegetation on the developed portions of the Project site consists of disturbed ruderal grassland and ornamental varieties. Surrounding vegetation on the undeveloped areas of the parcel consists of mixed chaparral dominated by shrub species including: coyote brush, coffeeberry, blue blossom, and poison oak. Common wildlife species in these habitats include: Botta's pocket gopher, deer mouse, song sparrow, wren, spotted towhee, and western fence lizard.

Arroyo willow vegetation is present along daylighted portions of Loess Creek both above and below the greenhouse complex. This sensitive community forms a nearly impenetrable thicket along the creek. Other plant species present in this community include California blackberry, white alder, horsetail, sedges, Pacific dogwood, Pacific wax myrtle, and western sword fern, as well as invasive species including English ivy, fennel, and poison hemlock. The project does not propose to alter these areas.

An approximately 0.6-acre perennial wetland is present in the center of the project site. This low-lying feature appears to be the result of man-made modifications including the discharge of steam from the adjacent boiler plant (abandoned) and the collapse of the underground pipe (that Loess Creek used to run through) in 1998. The wetland is characterized by a mix of sedges, rush, and seep monkeyflower. A small channel is also present and receiving water from an unknown source. This channel is surrounded by riparian species including willow, white alder, Pacific dogwood, and Pacific wax myrtle. These features (wetlands and riparian habitat) are more than 50 feet from the nearest structure to be used for cannabis cultivation. The applicants are not proposing to alter or disturb these features.

Based on the presence of biological communities described above and soils at the site, the project site has a low to moderate potential to support five (5) Special Status Plant species: Kellogg's horkelia, arcuate bush-mallow, Choris' popcornflower, chaparral ragwort, and San Francisco champion. All five of these species may be present in the surrounding chaparral habitat, including adjacent to the roadway within the project site. However, the applicants do not propose to disturb these areas as part of this cultivation application.

Seventeen (17) special-status wildlife species have been documented within five miles of the project site. Based on the presence of biological communities described above, the project site has a moderate to high potential to support four (4) of these species including: bats; Monarch butterfly; California red-legged frog (CRLF); San Francisco (saltmarsh) common yellowthroat; and San Francisco dusky-footed woodrat.

San Francisco garter snake is also documented in the Frenchman's Creek riparian corridor but is unlikely to occur on the site due to the large drop outfall located downstream at the confluence of Frenchman's Creek and Loess Creek. Topography at this outfall combined with the approximately 500 feet of undergrounding Loess Creek experiences before daylighting likely precludes most SFGS from moving upstream into habitats on the project site. The outfall is also a barrier to migrating fish, including protected steelhead known to occur in Frenchman's Creek.

There are numerous documented occurrences of CRLF both in Frenchman's Creek and the surrounding vicinity, and the species likely breeds in Frenchman's Creek. However, due to the seasonal nature of Loess Creek it is unlikely that CRLF breed there. While water was observed in the perennial wetland, this feature is not likely to provide breeding habitat due to the absence of open water habitat. A few small step-pools were observed elsewhere in Loess Creek; however, none were deep enough to provide suitable breeding habitat and no water was present during a site visit. Few aquatic invertebrates were seen due to lack of cobble substrate and thus, Loess Creek does not provide ideal foraging habitat for most amphibians. Based on this, adult CRLF may disperse into Loess Creek and its associated riparian habitat at the end of the wet season; though it's likely CRLF do not remain in Loess Creek during the summer and may instead disperse back into Frenchman's Creek or move further into surrounding upland habitats where perennial water sources (stock pond and springs) are present.

There are several special status birds that may also be present and/or nest in the riparian habitat on the project site (both the greenhouse complex and the Frenchman's Creek riparian corridor), including saltmarsh common yellowthroat. This species is also documented in Frenchman's Creek and may utilize willow riparian habitat on the property. San Francisco dusky-footed woodrat may also utilize willow riparian habitat or chaparral on the project site; though no stick houses have been observed during any of the site visits.

Evidence of an active bat roost was observed within one of the metal barns on the project site including guano (droppings) and urine staining. This structure appeared to be in regular use at the time of the assessment for material storage by the previous land owner and is therefore likely a night roost rather than a maternity day roost. Additional roost habitat was also identified on the exterior of an adjacent building (former labor housing), though no sign of active use was observed. The project does not propose demolition or modification to either building, nor does it propose any new or reuse of these two structures, and thus, no significant impact to bats is anticipated.

Lastly, one special status invertebrate, Monarch butterfly may potentially winter roost in trees located on the property. A winter roost site is documented within one mile downstream on Frenchman's Creek near Highway 1. Suitable roost trees are present on the project site, though most are north-facing rather than south-facing and there is no known historic use of these trees for butterfly roosting.

12. **Other Public Agencies Whose Approval is Required:** CalCannabis Cultivation Licensing, (a division of the California Department of Food and Agriculture); Regional Water Quality Control Board; Department of Fish and Wildlife; Bay Area Air Quality Management District
13. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?:** *(NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process (see Public Resources Code Section 21080.3.2.). Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality).*

No California Native American tribe has requested consultation pursuant to Public Resources Code section 21080.3.1. Additionally, the project site has been developed with greenhouses and other supporting buildings and structures for over 40 years. While the County is only obligated to engage in consultation when a California Native American tribe has requested such consultation, and none have done so, it is the County's policy to nonetheless initiate the consultation process when undeveloped land is proposed for development. However, because the project proposes only to reuse existing greenhouses, County staff has determined such outreach is not warranted in this particular instance.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" or "Significant Unless Mitigated" as indicated by the checklist on the following pages.

	Aesthetics		Energy		Public Services
	Agricultural and Forest Resources		Hazards and Hazardous Materials		Recreation
X	Air Quality		Hydrology/Water Quality		Transportation
X	Biological Resources		Land Use/Planning		Tribal Cultural Resources
	Climate Change		Mineral Resources		Utilities/Service Systems
	Cultural Resources		Noise		Wildfire
	Geology/Soils		Population/Housing	X	Mandatory Findings of Significance

EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. “Negative Declaration: Less Than Significant with Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analyses,” as described in 5. below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other California Environmental Quality Act (CEQA) process, an effect has been adequately analyzed in an earlier EIR or negative declaration (Section 15063(c)(3)(D)). In this case, a brief discussion should identify the following:
 - a. Earlier Analysis Used. Identify and state where they are available for review.
 - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to

applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

c. **Mitigation Measures.** For effects that are “Less Than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. **Supporting Information Sources.** Sources used or individuals contacted should be cited in the discussion.

1. AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
1.a. Have a substantial adverse effect on a scenic vista, views from existing residential areas, public lands, water bodies, or roads?				X
<p>Discussion: The proposed cultivation will occur within existing greenhouse buildings. No new structures are proposed. The Project site is located in a canyon and is not readily visible any existing residentially zoned areas. No public lands, water bodies or roads are adjacent to the Project site which might be impacted by the re-use of these existing buildings.</p> <p>Source: County of San Mateo, 1986, General Plan Policies; County of San Mateo Local Coastal Program; County GIS; Site Reconnaissance</p>				
1.b. Substantially damage or destroy scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
<p>Discussion: As stated above, no new buildings or other significant external structural changes are proposed on the Project site. The Project site is not within the view shed of a state scenic highway. There are no historic buildings on the Project site.</p> <p>Source: San Mateo County GIS</p>				
1.c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings, such as significant change in topography or ground surface relief				X

features, and/or development on a ridgeline? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?				
--	--	--	--	--

Discussion: The Project site is within a non-urbanized area, however, the proposed project will occur entirely within existing greenhouse structures and therefore will not modify the existing visual character of the site. See discussion under Question 1(a).

Source: Project Applications, Site Reconnaissance

1.d. Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?			X	
--	--	--	---	--

Discussion: As discussed above in the project description section, cultivation activities will be divided amongst five existing greenhouse buildings. Plants that are in the “germination” or “seedling” stage start their lifecycles in the Nursery buildings (Buildings 2 and 3 on the site plan). These two buildings currently do not have artificial lighting (aka “grow lights”), however, the applicants are proposing to install such lighting into these two buildings. Once plants have grown into the “mature” stage, they will be transferred into one of the three other greenhouses (Buildings 8, 9S or 9N). These three greenhouses are already equipped with artificial lighting. There is a history of artificial “grow light” usage at the site, however, the site has been in a relatively low level of usage for the last 1-2 years and thus the use of the existing grow lights during this period has been limited.

The Environmental Impact Report adopted by the CalCannabis Cultivation Licensing Division during the creation of the State’s cannabis cultivation regulations acknowledges the potential for new sources of nighttime light and included required screening measures to reduce potential impacts:

“[M]ixed-light cultivation of cannabis involves the cultivation of cannabis using both natural and artificial light and darkness for the purpose of controlling the life cycle of the plant. Techniques used to manipulate light, such as using tarps or other measures to exclude natural light or using low- or high intensity artificial lighting systems, could be visible outside of greenhouses or other mixed light facilities during the daytime or at night and could create a nuisance to adjacent and nearby properties, residences, and/or motorists traveling on affected roadways. The degree to which such lighting would create adverse impacts on sensitive receptors would vary widely among proposed cultivation sites, but could be significant in some locations. The Proposed Program regulations, however, would include implementation of environmental protection measures requiring that artificial lighting used for the manipulation of plant growth cycles be shielded to minimize the visual effects of the presence of lighting and nighttime glare (Section 8314; see Appendix A). Therefore, visual impacts from the Proposed Program would be less than significant.”

California Department of Food and Agriculture, CalCannabis Cultivation Licensing, Final PEIR, November 2017

Consistent with this analysis, the State regulations (CalCannabis Regulations) contain the following requirement:

§ 8304. General Environmental Protection Measures.

(g) Mixed-light license types of all tiers and sizes shall ensure that lights used for cultivation are shielded from sunset to sunrise to avoid nighttime glare.

Because the project is required to satisfy this State requirement, Staff has determined that there will be no significant visual impact due to the use of grow lights at the facility.

Also, to address the potential for fugitive light to escape the Project site due to security lighting, the CalCannabis Regulations also require:

§ 8304 General Environmental Protection Measures.

(c) All outdoor lighting used for security purposes shall be shielded and downward facing.

The applicants have submitted preliminary architectural plans which show compliance with both of these State regulatory requirements.

Source: California Code Of Regulations, Title 3, Food And Agriculture, Division 8, Cannabis Cultivation, Chapter 1. Cannabis Cultivation Program (CalCannabis Regulations); Project Plans

1.e. Be adjacent to a designated Scenic Highway or within a State or County Scenic Corridor?				X
--	--	--	--	---

Discussion: The Project site is not adjacent to or within the boundaries of a State or County Scenic Corridor.

Source: San Mateo County GIS

1.f. If within a Design Review District, conflict with applicable General Plan or Zoning Ordinance provisions?				X
--	--	--	--	---

Discussion: The Project site is not within a Design Review District.

Source: San Mateo County GIS

1.g. Visually intrude into an area having natural scenic qualities?				X
---	--	--	--	---

Discussion: The proposed project will occur entirely within existing greenhouse structures and therefore will not modify the existing visual character of the site. See discussion under Question 1(a).

Source: County of San Mateo, 1986, General Plan Policies; County of San Mateo Local Coastal Program; County GIS; Site Reconnaissance

<p>2. AGRICULTURAL AND FOREST RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</p>					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
2.a.	For lands outside the Coastal Zone, convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
<p>Discussion: The Project site is within the Coastal Zone. The proposed use of the existing under-utilized greenhouses to grow cannabis will revitalize their historic use as agricultural structures. The project will not convert any farmland to non-agricultural use.</p> <p>Source: San Mateo County GIS</p>					
2.b.	Conflict with existing zoning for agricultural use, an existing Open Space Easement, or a Williamson Act contract?				X
<p>Discussion: The Project site is zoned for agricultural use; cultivation of cannabis is an agricultural activity consistent with this agricultural zoning. The proposed site is not subject to an existing Open Space Easement or Williamson Act contract.</p> <p>Source: San Mateo County Zoning Regulations; San Mateo County GIS</p>					
2.c.	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forestland to non-forest use?				X
<p>Discussion: See discussion under Question 2(a) and (b).</p> <p>Source:</p>					

2.d. For lands within the Coastal Zone, convert or divide lands identified as Class I or Class II Agriculture Soils and Class III Soils rated good or very good for artichokes or Brussels sprouts?				X
<p>Discussion: The proposed project will utilize the existing greenhouses on the site. No new buildings are proposed. No lands will be converted or divided.</p> <p>Source: San Mateo County GIS</p>				
2.e. Result in damage to soil capability or loss of agricultural land?				X
<p>Discussion: Because the project will be entirely located within existing greenhouse structures, there is no potential for damage to soil capability or loss of agricultural land. See discussion under Question 2(a) and (d).</p> <p>Source:</p>				
2.f. Conflict with existing zoning for, or cause rezoning of, forestland (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? <i>Note to reader: This question seeks to address the economic impact of converting forestland to a non-timber harvesting use.</i>				X
<p>Discussion: The Project site does not contain forestland or timberland.</p> <p>Source: San Mateo County GIS</p>				

<p>3. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:</p>				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
3.a. Conflict with or obstruct implementation of the applicable air quality plan?			X	
<p>Discussion: Large projects that exceed regional employment, population, and housing planning projections have the potential to be inconsistent with the regional inventory compiled as part of the Bay Area Air Quality Management District (District) 2017 Bay Area Clean Air Plan. Currently, the Project site is occupied by vacant greenhouses that were historically used for production of greenhouse flowers. The proposed project is expected to require approximately eight full-time</p>				

employees, and up to an additional eight part-time employees during harvest season. While the re-introduction of activities in the vacant greenhouses will increase operational vehicle trips above existing conditions, the proposed project is not expected to generate significant new operational vehicle trips above historic levels or those that could be expected with any other agricultural activity permitted by right at the site. In addition, a project of this size will not substantially affect housing, employment, and population projections within the region, which is the basis of the Bay Area Clean Air Plan projections.

Therefore, the proposed project is not considered a regionally significant project (under CEQA Guidelines Section 15206) that will affect regional vehicle miles traveled (VMT) and warrant intergovernmental review by the Association of Bay Area Governments (ABAG) and the Metropolitan Transportation Commission (MTC).

Furthermore, the project falls under the threshold levels contained in BAAQMD's screening criteria, which is used to identify projects that have the potential to generate emissions that exceed the District's operational emissions thresholds. These thresholds were established to identify projects that have the potential to generate a substantial amount of criteria air pollutants. Because the project will not exceed these thresholds, the project is not considered by the District to be a substantial emitter of criteria air pollutants. Therefore, the Project will not conflict with or obstruct implementation of the 2017 Bay Area Clean Air Plan and any impacts are considered less than significant.

Source: Bay Area Air Quality Management District (BAAQMD), 2017. Bay Area 2017 Clean Air Plan. Project Plans

3.b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?			X	
---	--	--	---	--

Discussion: The proposed project will utilize existing greenhouse buildings. There is no evidence to suggest that the cultivation activities will generate significant new levels of criteria air pollutants (ROG, NOx, PM10 and PM2.5), or Toxic Air Contaminants (TAC), or Greenhouse Gases (GHGs). The proposed project does not include any construction activities which would generate criteria air pollutants, TACs or GHGs. Nor is there evidence to suggest that the cultivation process will generate significant levels of GHGs.

There are two small stationary diesel generators on the Project site. Both are contained within buildings on the site (Buildings 5 and 12 on the site plan). These generators were installed by previous property owners. At the present time, the applicants have not been able to ascertain whether the previous property owner has registered these generators with the BAAQMD in accordance with the District's Regulation 11, Rule 17 (*Limited Use Stationary Compression Ignition (Diesel) Engines in Agricultural Use*). This rule provides an exemption for very-low use (less than 20 hours per year) stationary engines. But the owner or operator of a stationary agricultural diesel engine must register the engine in the District's Agricultural Diesel Engine Registration Program, and renew registration annually. The program also requires an owner or operator to document the number of hours the generator is used during the year.

In addition to the Air District's regulations, Section 8306 (*Generator Requirements*) of the CalCannabis Regulations require license applicants using generators to demonstrate compliance with the above rule by providing "a Permit to Operate, or other proof of engine registration, obtained from the Local Air District with jurisdiction over the licensed premises." Additionally, Section 8306 requires:

(d) All generators shall be equipped with non-resettable hour-meters. If a generator does not come equipped with a non-resettable hour-meter an after-market non-resettable hour-meter shall be installed.

Any future use of the diesel generators for the proposed cultivation activities will be in compliance with the CalCannabis Regulations and subject to the registration and operating requirements of the District. Compliance with these requirements will ensure that the project will not generate a cumulatively considerable increase in criteria air pollutants.

Source: Bay Area Air Quality Management District (BAAQMD), 2017. Bay Area 2017 Clean Air Plan; Bay Area Air Quality Management District (BAAQMD), 2011: Regulation 11 (Hazardous Pollutants), Rule 17 - Limited Use Stationary Compression Ignition (Diesel) Engines In Agricultural Use; California Code Of Regulations, Title 3. Food And Agriculture, Division 8. Cannabis Cultivation, Chapter 1. Cannabis Cultivation Program (CalCannabis Regulations); Project Plans

3.c. Expose sensitive receptors to substantial pollutant concentrations, as defined by the Bay Area Air Quality Management District?				X
--	--	--	--	---

Discussion: See discussion under Question 3(b).

Source:

3.d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?		X		
---	--	---	--	--

Discussion: Odors are not a regulated air pollutant such as PM10 or ROG. As such, the BAAQMD has developed qualitative parameters that should be considered when considering project level odor issues. The District has established odor screening thresholds for certain odor generating land uses. Cannabis cultivation operations are not on the list of odor generating land uses. However, Composting Operations are on the list. The District has established a threshold of one mile between this category of odor source (Compost Operations) and receptor. In other words, if the distance between the odor source and a receptor is less than one mile, then there will likely be an odor impact upon the receptor. As a proxy, the County proposes to use the "Composting Operations" category to establish whether there could be a potential odor impact upon nearby residences (to this proposed cannabis operation).

There are two residences within a one-mile radius of the project site. Both residences could be exposed to odor impacts due to the release of exhaust air from the greenhouses that will be utilized for the flowering plants. At the present time, there are no odor control devices on the exhaust fans of the project greenhouses. The following mitigation measure will mitigate this potentially significant impact:

Mitigation Measure 1: Prior to the issuance of the requested Type 2B or 3B (Mixed Light, Cultivation) licenses, the applicant shall install a carbon filter system (or a comparable system) on the exhaust outlets for all buildings that will contain flowering cannabis plants or their product. This includes the greenhouses and the drying and processing buildings. The applicant shall also submit a maintenance plan (which includes record keeping) for review and approval prior to issuance of the requested licenses.

The odor associated with cannabis plants occurs during the flowering stage when buds begin to grow on each plant. This is not an issue during the plant's early "seedling" stage, when individual

plants are being propagated in the nursery greenhouses. Thus odor control measures are not necessary on the buildings proposed for nursery use.

With the installation of an odor control system on all buildings containing flowering cannabis plants and or their product, the odor that may be generated by the concentration of a large number of plants will be minimized to below a significant level.

Source: Bay Area Air Quality Management District (BAAQMD), CEQA Air Quality Guidelines (2017); CDFA CalCannabis DEIR, Vol. 1

4. BIOLOGICAL RESOURCES. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
4.a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		X		

Discussion: As discussed in the Surrounding Land Uses and Setting section, there are several plant and animal species that have the potential to occur on the project parcel, either in the riparian corridor adjacent to Frenchman’s Creek, the fragmentary habitat within the greenhouse complex, or the intervening chaparral habitat on the dividing ridge. As discussed in the project description section, no disturbance or other modifications to these habitat areas are proposed. Because no activities are proposed in or immediately adjacent to these areas, there is no evidence to indicate that the project will have a significant impact on these fragmentary habitats or species relying upon them.

The stream withdrawal structure in Frenchman’s Creek (which supports steelhead) does not need to be modified or improved to allow for continued water withdrawal out of this creek, so there will be no direct impact such as could be associated with construction within the creek. As discussed previously, the applicants hold an historic license to divert water (up to 10.66 acre-feet per year for off-stream storage). The previous nursery owner held a Lake and Streambed Alteration Agreement (LSAA) with the California Department of Fish & Game (now Fish & Wildlife or CDFW) which authorized water withdrawals consistent with these limits. The applicants have applied for a new LSAA under their name with no proposed changes to the withdrawal structures, amounts of water, or period of water withdrawals.

Withdrawing water from a creek that supports steelhead can have potentially significant impacts if such withdrawals occur during the dry season, when the potential to dewater a creek is more likely. To prevent such an occurrence, CDFW, in their proposed draft LSAA, included the following Avoidance and Minimization Measures, which are also imposed here as mitigation measure to ensure no significant impact will occur.

Mitigation Measure 2

- The season of diversion (from Frenchman’s Creek) shall be limited from January 1 to March 31 of each year ("forbearance period"). From April 1 to December 31, all water shall be allowed to pass the point of diversion.
- The maximum instantaneous rate of withdrawal (from Frenchman’s Creek) shall not exceed 0.4 cubic feet per second (cfs) or 180 gallons per minute (gpm) at any time. The maximum amount of water to be diverted in any one year shall not exceed 10.66-acre feet.
- No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion (in Frenchman’s Creek).

Because there will be no change in the point of diversion, nor any of the infrastructure supporting said diversion, nor a change in the quantity or time of year in which water may be diverted (as required by Mitigation Measure 2 and to be required under the CDFW LSAA), there will be no new significant impact associated with continuation or resumption of historic water diversion from the creek.

As discussed under the Surrounding Land Uses and Settings section, the project site potentially provides habitat for several listed species, including bats, CRLF and San Francisco dusky footed woodrat. As previously discussed, no ground disturbance is proposed as part of this license application. Because no ground disturbance or development of new areas is proposed, there will be no new significant impact related to these species.

Regarding the potential presence of bats on the project site, as stated previously, evidence of an active roost was observed within one of the metal barns on the project site. Additional roosting habitat was also identified on the exterior of an adjacent building (former labor housing), though no sign of active habitation was observed. Removal or demolition of either building could result in a significant impact to bats. At this time, however, no demolition or modification to either building is proposed, nor does the project propose to reuse or occupy either of the buildings with indications of bat activity and thus, no significant impact to bats is anticipated. However, if, in the future, the applicants decide they wish to utilize said buildings or modify them in some way, then there could be a potential impact to bats if they are present at that time. To ensure that no unanticipated impacts to roosting bats occur, the applicants’ biologist has recommended the following measure:

Mitigation Measure 3: If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted before any change in use or modification of the building occurs.

Source: *Loess Creek Grading Violation & Restoration Project Biological Resources Report*, Sol Ecology, Inc., October 2018; *Biological Addendum Report for 37 Frenchman’s Creek Road (for Half Moon Grow)*, Sol Ecology, Inc., April 2019

4.b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
--	--	--	--	---

<p>Discussion: As discussed above, there will be no physical changes to the existing stream diversion structure on Frenchman’s Creek. Nor will there be a change to the rate, total amount or time of year during which water can be withdrawn from the Creek. The project will not have a new, significant impact upon the riparian habitat of Frenchman’s Creek. With regards to the fragmentary riparian habitat within the greenhouse complex, no cultivation activities or other potential ground disturbing activities are proposed under this cultivation license. All activities will continue to occur within the existing greenhouse buildings.</p> <p>Source: Project plans, site reconnaissance</p>					
4.c.	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
<p>Discussion: While there are fragmentary wetlands on the Project site as described in the Surrounding Land Uses and Setting section, no new activities will occur near these areas. No removal, filling, or hydrological interruption is proposed or required in order to conduct cultivation activities on the site.</p> <p>Source: <i>Loess Creek Grading Violation & Restoration Project Biological Resources Report</i>, Sol Ecology, Inc., October 2018; Project plans</p>					
4.d.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident migratory wildlife corridors, or impede the use of native wildlife nursery sites?		X		
<p>Discussion: See discussion under Question 4(a).</p> <p>Source:</p>					
4.e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (including the County Heritage and Significant Tree Ordinances)?				X
<p>Discussion: No vegetation or tree removal is proposed as part of this cultivation application. All activities associated with cultivation will occur within the existing greenhouses.</p> <p>Source: Project Plans</p>					
4.f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, other approved local, regional, or state habitat conservation plan?				X

<p>Discussion: There are no adopted Habitat Conservation Plans or other such plans that include the Project site. The only adopted HCP in San Mateo County is the San Bruno Mountain HCP, located approximately 12 miles north of the Project site.</p> <p>Source: SMCo. GIS</p>					
4.g.	Be located inside or within 200 feet of a marine or wildlife reserve?				X
<p>Discussion: There are no marine or wildlife reserves near or adjacent to the Project site.</p> <p>Source: Project plans, SMCo. GIS</p>					
4.h.	Result in loss of oak woodlands or other non-timber woodlands?				X
<p>Discussion: There are no oak woodlands or other non-timber woodlands on the Project site.</p> <p>Source: Project plans, SMCo. GIS, Site Reconnaissance</p>					

<p>5. CULTURAL RESOURCES. Would the project:</p>					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
5.a.	Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?				X
<p>Discussion: All proposed cultivation will occur within existing greenhouses. These buildings do not meet the definition of historical resources. No new buildings or land are proposed for development. Because all activities will occur within existing greenhouses, there is no evidence to suggest that any documented or undocumented cultural resources will be modified or adversely impacted.</p> <p>Source: Project plans, SMCo. GIS</p>					
5.b.	Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Section 15064.5?				X
<p>Discussion: See discussion under Question 5(a).</p> <p>Source:</p>					
5.c.	Disturb any human remains, including those interred outside of formal cemeteries?				X
<p>Discussion: As discussed above, all proposed cultivation will occur within existing greenhouses. The Project site has been developed with greenhouses and other support buildings for over 40</p>					

years. No new buildings or land are proposed for development. There is no evidence to suggest that human remains are interred on the Project site. Regardless of the presence or lack of human remains on the site, the applicants are still subject to Section 8304 of the CalCannabis Regulations which state:

§ 8304. General Environmental Protection Measures.

(d) Immediately halt cultivation activities and implement Section 7050.5 of the Health and Safety Code if human remains are discovered;

Source: California Code Of Regulations, Title 3. Food And Agriculture, Division 8. Cannabis Cultivation, Chapter 1. Cannabis Cultivation Program; Project Plans

6. ENERGY. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
6.a. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?				X

Discussion: The greenhouse complex is in existence, and while some minimal physical improvements are proposed (security systems, fire hydrants, etc.) there is no evidence to indicate that these improvements will be constructed in a wasteful or inefficient manner. There is a cost benefit incentive for the applicants to construct these improvements in the most efficient manner possible. In addition, while the applicants have not yet contracted with a construction company to build these improvements, the applicants have committed to hiring a local construction firm, as opposed to hiring a firm from outside of the County which would have to bring their equipment and crews in from a farther distance, which would require more consumption of fuel to reach the Project site on a daily basis.

A review of the building plans submitted by the applicants does not indicate any unnecessary or wasteful energy consumption. The higher intensity lighting is confined to only those buildings where cannabis will be grown. No other large energy consuming uses are shown or proposed on the plans (for example, placing high energy lights in buildings where no cultivation is proposed). The applicants propose to install LED lighting which is currently the most efficient form of artificial lighting. There is no evidence to indicate that this proposed cultivation operation will be operated in a wasteful manner with regards to energy.

The primary source of energy consumption at the Project site will be associated with the use of grow lights within the greenhouses. The applicants propose installing LED grow lights in Buildings 2 & 3 (Nursery), Building 8 (small cultivation) and Buildings 9N and 9S (medium cultivation), as shown on the architectural plans included in Attachment B of this report. Energy consumption will range from 10 watts/sq. ft. (Buildings 2 & 3) to 5.2 watts/sq. ft. in the three mature plant buildings.

Section 5.148.160(n) of the County’s Cannabis Cultivation Ordinance requires:

All electrical power, including, without limitation, for illumination, heating, cooling, and ventilation, shall be provided by on-grid power with 100% renewable energy source or

on-site zero net energy renewable source such that annual consumed energy is less than or equal to the on-site renewable generated energy.

The application materials indicate that the applicants intend to enroll in either PG&E's Solar Choice program or Peninsula Clean Energy's Eco100 clean energy program. Both programs provide electricity from 100% renewable sources and are 100% carbon free. The applicants have stated that they intend to install a PV (solar) system at the site in the future to reduce their costs while still meeting the County's requirements.

Source: Project plans; PG&E Solar Choice; Peninsula Clean Energy.com/energy-choices; San Mateo County Cannabis Cultivation Ordinance

6.b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

X

Discussion: There is no evidence to suggest that any aspect of the project will conflict with the County's Climate Action Plan (which incorporates Clean Energy policies) or the State's Title 24 building energy efficiency standards. As stated above, the project must utilize 100% renewable energy sources either from the electrical grid and/or generate sufficient renewable energy on-site to meet the requirements of the County's Cannabis Cultivation Ordinance.

Source: San Mateo County Cannabis Cultivation Ordinance

7. GEOLOGY AND SOILS. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
7.a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving the following, or create a situation that results in:			X	
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? <i>Note: Refer to Division of Mines and Geology Special Publication 42 and the County Geotechnical Hazards Synthesis Map.</i>				X

Discussion: The nearest identified earthquake fault zone is located approximately 2.8 miles west of the project location. There is no additional evidence to conclude that the Project site is subject to fault rupture.

Source: Alquist-Priolo Earthquake Fault Zoning Map (Half Moon Bay Quad) – Calif. Dept. of Conservation

ii. Strong seismic ground shaking?			X	
<p>Discussion: The nearest known fault zone to the Project site is the Seal Cove fault zone which is approximately 2.8 miles west of the Project site. The San Andreas fault zone lies approximately 4.5 miles northeast of the Project site. A major earthquake along either fault line could produce strong ground shaking. The proposed project will utilize the existing greenhouse buildings which were built in accordance with the building code at the time of their construction. These existing buildings are non-habitable and have withstood previous earthquake events, including the 1989 Loma Prieta earthquake.</p> <p>Source: Alquist-Priolo Earthquake Fault Zoning Map (Half Moon Bay Quad) – Calif. Dept. of Conservation; Project Plans</p>				
iii. Seismic-related ground failure, including liquefaction and differential settling?				X
<p>Discussion: The Project site is not within a mapped liquefaction hazard zone or on soils known to be susceptible to liquefaction or differential settling.</p> <p>Source: Calif. Geological Survey Seismic Hazards Zones maps; Project Plans</p>				
iv. Landslides?				X
<p>Discussion: The Project site is not within a mapped landslide hazard zone. No new buildings are proposed as part of this proposed project. There is no evidence to conclude that adjacent slopes will fail and damage the existing structures on the Project site.</p> <p>Source: Calif. Geological Survey Landslide Hazards Zones maps; Project Plans</p>				
v. Coastal cliff/bluff instability or erosion? <i>Note to reader: This question is looking at instability under current conditions. Future, potential instability is looked at in Section 7 (Climate Change).</i>				X
<p>Discussion: The Project site is over a mile from the nearest coastal bluff. There is no evidence to suggest that instability of this bluff will have any impact upon the existing buildings on the Project site.</p> <p>Source: SMCo. GIS</p>				
7.b. Result in substantial soil erosion or the loss of topsoil?				X
<p>Discussion: No construction or soil disturbance is proposed as part of this application. All cultivation activities will occur within existing greenhouse buildings which have concrete floors.</p> <p>Source: Project Plans, Site visit</p>				
7.c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site				X

landslide, lateral spreading, subsidence, severe erosion, liquefaction or collapse?				
<p>Discussion: There is no evidence to suggest that the underlying geology or surface soils on the Project site are unstable, nor are any activities proposed that would create new instability. All cannabis-related activities will occur within existing structures.</p> <p>Source: SMC Co. GIS, Project plans</p>				
7.d. Be located on expansive soil, as defined in Table 18-1-B of Uniform Building Code, creating substantial direct or indirect risks to life or property?				X
<p>Discussion: See discussion under Question 7(c).</p> <p>Source:</p>				
7.e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				X
<p>Discussion: As discussed previously, no new buildings are proposed. There is no evidence to suggest that the existing septic systems on the site need to be replaced or modified at this time.</p> <p>Source: Project plans</p>				
7.f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				X
<p>Discussion: There are no known paleontological resources on-site, nor have any unique geologic features been identified on or in the immediate vicinity of the Project site.</p> <p>Source: SMC Co. GIS</p>				

8. CLIMATE CHANGE. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
8.a. Generate greenhouse gas (GHG) emissions (including methane), either directly or indirectly, that may have a significant impact on the environment?			X	

Discussion: San Mateo County lies within the boundaries of the Bay Area Air Quality Management District (BAAQMD or District) and all development within the County is subject to compliance with the District’s Clean Air Plan. The District’s approach to developing a *Threshold of Significance* for GHG emissions is to identify the emissions level for which a project would not be expected to substantially conflict with existing California legislation adopted to reduce statewide GHG emissions. If a project will generate GHG emissions above the threshold level, it would be considered to contribute substantially to a cumulative impact, and would be considered significant. The District has established 1,100 metric tons per year of Carbon Dioxide Equivalent (CO_{2e}) as the threshold of significance.

No new structures or other significant construction is proposed as part of this license application. Direct carbon emissions from the Project site due to operational activities are limited. No significant activities involving the use of gasoline or diesel powered motors are proposed or anticipated. The applicants are not proposing to use carbon enrichment techniques as part of their cultivation process. Nearly all activities are electrically powered, including lighting, irrigation pumps and ventilation units.

The project utilizes greenhouses, as required by the County’s ordinance. This means that the cultivation will rely upon sunlight for the majority of the photosynthesis process, unlike indoor growing operations which must rely entirely upon artificial light. For this proposed project, the amount of usage of grow lights will vary depending upon the time of year. Assuming a “worst case scenario” of electrical usage during the middle of December (shortest amount of daylight), it is estimated that maximum instantaneous power draw (lighting and ventilation units), at full site usage, will be 569 kW. This number assumes that every grow light and every exhaust fan are running at the same time, an unlikely scenario given the way that plants will be rotated through their growing cycles. Based upon a maximum instantaneous power draw of 569 kW and 14.5 hours of “night time” conditions during the worst case December growing period, estimated daily energy usage is 8,250 kilowatt hours (kWh). Using non-renewable sources of electricity, this level of energy usage could result in a significant impact related to GHG emissions necessary to produce the electricity. However, as stated above in the Energy section, the project is required to utilize 100% renewable energy, which has no associated operational GHG emissions.

Based on this analysis, the project is determined to have a less-than-significant impact in regard to either direct or indirect generation of GHG emissions.

Source: Bay Area Air Quality Management District (BAAQMD), 2017. Bay Area 2017 Clean Air Plan; Project Plans

8.b. Conflict with an applicable plan (including a local climate action plan), policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	
--	--	--	---	--

Discussion: As discussed above, the BAAQMD has determined that a project that generates GHG emissions above the 1,100 metric ton threshold would be in violation of the District’s Clean Air Plan. However, due to the Cannabis Ordinance’s requirement that all electrical power for this project must be obtained from 100% renewable energy sources (either from the electrical grid and/or from on-site), the project will not be in violation of the Clean Air Plan.

Source: Bay Area Air Quality Management District (BAAQMD), 2017. Bay Area 2017 Clean Air Plan; Project Plans

8.c. Result in the loss of forestland or conversion of forestland to non-forest				X
---	--	--	--	---

use, such that it would release significant amounts of GHG emissions, or significantly reduce GHG sequestering?				
<p>Discussion: The project involves the re-use of existing greenhouse buildings. No forestland will be lost or converted.</p> <p>Source: SMCo. GIS, Project plans</p>				
8.d. Expose new or existing structures and/or infrastructure (e.g., leach fields) to accelerated coastal cliff/bluff erosion due to rising sea levels?				X
<p>Discussion: The nearest coastal bluff is over one mile to the west of the Project site. There is insufficient evidence to suggest that sea level rise or bluff erosion will be severe enough to impact the Project site.</p> <p>Source: SMCo. GIS</p>				
8.e. Expose people or structures to a significant risk of loss, injury or death involving sea level rise?				X
<p>Discussion: See discussion under Question 8(d).</p> <p>Source:</p>				
8.f. Place structures within an anticipated 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
<p>Discussion: As stated previously, the proposed project will utilize existing buildings and structures on the Project site. No new structures or buildings are proposed.</p> <p>Source: Project plans</p>				
8.g. Place within an anticipated 100-year flood hazard area structures that would impede or redirect flood flows?				X
<p>Discussion: See discussion under Question 8(f).</p> <p>Source:</p>				

9. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
9.a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials (e.g., pesticides, herbicides, other toxic substances, or radioactive material)?			X	
<p>Discussion: The applicants propose to limit any chemical controls (products classified as pesticides or fungicides) to be used on their plants to those substances listed on the California Department of Pesticide Regulation’s “Legal Pest Management Practices for Cannabis Growers in California” document. These substances are exempt from residue tolerance requirements and either exempt from registration requirements or registered for a use broad enough to include use on cannabis. This proposed practice is consistent with Section 8307 of the CalCannabis Regulations which states:</p> <p>§ 8307. Pesticide Use Requirements.</p> <p>(a) Licensees shall comply with all pesticide laws and regulations enforced by the Department of Pesticide Regulation.</p> <p>(b) For all pesticides that are exempt from registration requirements, licensees shall comply with all pesticide laws and regulations enforced by the Department of Pesticide regulation and with the following pesticide application and storage protocols:</p> <ol style="list-style-type: none"> (1) Comply with all pesticide label directions; (2) Store chemicals in a secure building or shed to prevent access by wildlife; (3) Contain any chemical leaks and immediately clean up any spills; (4) Apply the minimum amount of product necessary to control the target pest; (5) Prevent offsite drift; (6) Do not apply pesticides when pollinators are present; (7) Do not allow drift to flowering plants attractive to pollinators; (8) Do not spray directly to surface water or allow pesticide product to drift to surface water. Spray only when wind is blowing away from surface water bodies; (9) Do not apply pesticides when they may reach surface water or groundwater; and (10) Only use properly labeled pesticides. If no label is available consult the Department of Pesticide Regulation. 				

While cannabis is a newly legal agricultural crop in California, any pesticide or herbicide use associated with its production is subject to the same rules and regulations as any other agricultural crop. The California Department of Pesticide Regulation and the San Mateo County Agricultural Commissioner enforce the use and sale of pesticides under Divisions 6 and 7 of the California Food and Agricultural Code, and Title 3 of the California Code of Regulations and are reflected in Section 8307 (above) and Section 5.148.160(q) of the County’s Commercial Cannabis Cultivation ordinance. These laws and regulations apply to all pesticide use; cannabis is no exception. The applicants are required to comply with the regulations regarding transportation, use and storage of all regulated pesticides and herbicides. Compliance with these State and local regulations is administered by the County’s Agricultural Commissioner which is the local enforcement authority for the California Department of Food and Agriculture and the California Department of Pesticide Regulation. Compliance with these regulations will reduce any potential impact to a less-than-significant level.

In addition to pesticides and other chemical pest controls that are typically associated with agriculture, some forms of cannabis cultivation (primarily fully indoor grows) are known for the use of carbon dioxide enrichment. This is to off-set the sealed nature of a fully indoors growing environment. Because this license application will utilize mixed-light greenhouses (which have windows that can be opened to allow fresh air in), the use of carbon dioxide enrichment is not needed nor proposed by the applicants.

Source: California Code Of Regulations, Title 3, Food And Agriculture, Division 8, Cannabis Cultivation, Chapter 1, Cannabis Cultivation Program; California Department of Pesticide Regulations - “Legal Pest Management Practices for Cannabis Growers in California” (2017); San Mateo County Cannabis Cultivation Ordinance; Project Plans

9.b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
---	--	--	---	--

Discussion: See discussion under Question 9(a).
Source:

9.c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
---	--	--	--	---

Discussion: There are no existing or planned schools within .25 miles of the Project site.
Source: SMC Co. GIS

9.d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
--	--	--	--	---

Discussion: This question is in reference to the “Hazardous Waste and Substances Sites List” also known as the Cortese List. This list is a planning document used by the State, local agencies, and developers to comply with the California Environmental Quality Act requirements in providing

<p>information about the location of hazardous materials release sites. The Project site is not on said list.</p> <p>Source: California Department of Toxic Substances Control “EnviroStor” website</p>					
9.e.	For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, result in a safety hazard or excessive noise for people residing or working in the project area?				X
<p>Discussion: The Project site is outside of the adopted airport safety zone for the Half Moon Bay airport, which is located approximately 3.5 miles north-west of the Project site.</p> <p>Source: SMC Co. GIS</p>					
9.f.	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
<p>Discussion: There is no evidence to suggest that the project will interfere with any emergency response plan. No work will occur that will impede or close a public road.</p> <p>Source: Project Plans, Site visit, County GIS database</p>					
9.g.	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	
<p>Discussion: See discussion under Questions 20(a) – (d).</p> <p>Source:</p>					
9.h.	Place housing within an existing 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
<p>Discussion: The Project site is not within a mapped 100-year flood hazard area, nor does the project contain a housing component.</p> <p>Source: Project Plans, County GIS database</p>					
9.i.	Place within an existing 100-year flood hazard area structures that would impede or redirect flood flows?				X
<p>Discussion: The Project site is not within a mapped 100-year flood hazard area.</p> <p>Source: County GIS database</p>					

9.j.	Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				X
------	---	--	--	--	---

Discussion: There are no dams or levees on or adjacent to the Project site. See discussion under Question 8(j) for discussion of flood potential.

Source: Project Plans, County GIS database

9.k.	Inundation by seiche, tsunami, or mudflow?				X
------	--	--	--	--	---

Discussion: The Project site is outside of any mapped tsunami zones. There are no lakes or other water bodies on or immediately adjacent to the buildings on the Project site that could be susceptible to seiche (A short-term standing wave oscillation of the water level in a lake, characteristic of its geometry). There are no substantial rivers or creeks on the Project site that could serve as a transportation medium for a mudflow event.

Source: Project Plans, County GIS database

10. HYDROLOGY AND WATER QUALITY. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
10.a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality (consider water quality parameters such as temperature, dissolved oxygen, turbidity and other typical stormwater pollutants (e.g., heavy metals, pathogens, petroleum derivatives, synthetic organics, sediment, nutrients, oxygen-demanding substances, and trash))?			X	

Discussion: The applicants propose using a hydroponic growing system which minimizes the production of irrigation tail water. To maintain suitable growing conditions, wastewater is discharged from hydroponic systems when the irrigation water contains excessive salinity or nutrients. Irrigation tail water is generated when excess water drains from the growth media. Irrigation tail water or hydroponic wastewater may contain nutrients (e.g., phosphate or nitrate), salinity constituents (e.g., sodium, chloride, potassium, calcium, sulfate, magnesium), and other constituents (e.g., iron, manganese, zinc, molybdenum, boron, and silver). Other sanitation-based wastewaters may also be generated at commercial cannabis cultivation sites. These miscellaneous industrial wastewaters may contain biocides, bleach mixtures, or other chemical waste streams.

The State Water Resources Control Board (SWRCB or Water Board) regulates the discharge of waste materials that could affect the quality of the waters of the state. Water Code section 13260

requires that any person discharging waste or proposing to discharge waste that could affect the quality of the waters of the state must file a report of waste discharge to obtain coverage under waste discharge requirements (WDRs) or a waiver of WDRs. In establishing a regulatory program for cannabis cultivation, SWRCB has created a tiered system depending upon the type (indoor or outdoor) and size of cultivation. Commercial cannabis cultivation activities that occur within a structure with a permanent roof, a permanent impermeable floor (e.g., concrete or asphalt paved), and that discharge irrigation tail water, hydroponic wastewater, or other miscellaneous industrial wastewaters from indoor cannabis cultivation activities to an on-site wastewater treatment system (such as a septic tank and leach field), must obtain separate regulatory authorization (e.g., WDRs, conditional waiver of WDRs, or other permit mechanism) to discharge the wastewater.

Additionally, Section 5.148.160(k) of the County’s Commercial Cannabis Cultivation ordinance requires all “runoff containing sediment or other waste or byproducts, including, without limitation, fertilizers and pesticides, shall not be allowed to drain to the storm drain system, waterways, or adjacent lands, and shall comply with all applicable State and federal regulations.”

The applicants have applied for and received a Conditional Waiver of Water Quality from the Water Board. As such, the project has complied with the Water Board’s “Cannabis Cultivation Policy” and “General Waste Discharge Requirements”. The cultivation activities will not exceed the wastewater treatment requirement of the Water Board.

The proposed cultivation activities will produce relatively little wastewater. Irrigation tail water, hydroponic wastewater, or other miscellaneous industrial wastewater that is generated by the hydroponics growing system will be discharged to a collection tank. The wastewater in the collection tank will be regularly collected by an authorized waste hauler who will dispose of the wastewater at a licensed community sewer system treatment facility, consistent with the Water Board’s sewer system requirements and as approved by the Water Board.

Source: *Cannabis Cultivation Policy - Principles and Guidelines for Cannabis Cultivation*, State Water Resources Control Board, October 2017; *Notice Of Applicability, Conditional Waiver Of Water Quality Order WQ-2017-0023-DWQ, Half Moon Grow, Inc, San Mateo County*, San Francisco Bay Regional Water Quality Control Board; San Mateo County Cannabis Cultivation Ordinance; Project Plans

10.b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				X
--	--	--	--	---

Discussion: There is a well on the site. However, as discussed previously, this project will utilize surface water withdrawn from Frenchman’s Creek as permitted by their historic license for diversion. Because the project will rely upon this surface water, there is no evidence to indicate that the project will utilize the groundwater well to such an extent as to substantially decrease local groundwater levels.

Source: Project Plans

10.c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner that would:				X
--	--	--	--	---

i. Result in substantial erosion or siltation on- or off-site;				X
<p>Discussion: The proposed cannabis cultivation will occur within existing greenhouses. No new buildings or structures are proposed. The applicant is not proposing to alter the existing drainage patterns on the Project site.</p> <p>Source: Project Plans, Site visit</p>				
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;				X
<p>Discussion: The proposed project will continue to utilize the existing greenhouse buildings/ structures on the site. No new buildings are proposed. Absent any physical alteration of the site, there is no evidence to conclude that cannabis cultivation will increase the rate or amount of surface runoff above existing levels.</p> <p>Source: Project Plans, Site visit</p>				
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or				X
<p>Discussion: See discussion under Question 10(c)(ii).</p> <p>Source:</p>				
iv. Impede or redirect flood flows?				X
<p>Discussion: See discussion under Question 10(c)(i) and (ii).</p> <p>Source:</p>				
10.d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X
<p>Discussion: See discussion under Questions 9(i), (j) and (k).</p> <p>Source:</p>				
10.e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X
<p>Discussion: As discussed previously, the project will rely primarily upon surface water diverted (primarily) from Frenchman's Creek. There is an existing agricultural well on the Project site, however, the applicants do not anticipate needing to use this well since the permitted water storage</p>				

capacity exceeds their estimated water needs. At the present time, there is no groundwater management plan in this area of the County, nor is there a specific water quality control plan for this particular area of the County. As discussed previously, the project will comply with existing County stormwater control requirements as well as State requirements for handling and disposal of irrigation runoff from within the greenhouses.

Source: Project Plans, San Mateo County GIS

10.f. Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide significant additional sources of polluted runoff?				X
---	--	--	--	---

Discussion: The proposed project will continue to utilize the existing greenhouse buildings/structures on the site. No new buildings are proposed. Absent any physical alteration of the site, there is no evidence to conclude that cannabis cultivation will increase the rate or amount of surface runoff above existing levels.

Source: Project Plans, Site visit

10.g. Significantly degrade surface or ground-water water quality?				X
--	--	--	--	---

Discussion: See discussion under Question 10(a).

Source:

10.h. Result in increased impervious surfaces and associated increased runoff?				X
--	--	--	--	---

Discussion: See discussion under Question 10(f).

Source:

11. LAND USE AND PLANNING. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
11.a. Physically divide an established community?				X

Discussion: There is no community adjacent to the Project site.

Source: Project Plans, Site visit, County GIS database

11.b. Cause a significant environmental impact due to a conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				X
<p>Discussion: The County's cannabis cultivation ordinance directs cannabis cultivation towards vacant/underutilized greenhouses to minimize any potential land use related conflicts and revitalize the struggling greenhouse agricultural industry. As such, this application furthers the County's goal of reusing the underutilized greenhouse market and ensuring continued employment opportunities within the County's agricultural workforce.</p> <p>Source: Project Plans, County Cannabis Cultivation Ordinance</p>				
11.c. Serve to encourage off-site development of presently undeveloped areas or increase development intensity of already developed areas (examples include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities)?				X
<p>Discussion: There is no evidence to suggest that approval of the proposed project (cultivation of cannabis within existing greenhouses) will encourage off-site development or require the need for new or expanded public utilities.</p> <p>Source: Project Plans</p>				

12. MINERAL RESOURCES. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
12.a. Result in the loss of availability of a known mineral resource that would be of value to the region or the residents of the State?				X
<p>Discussion: The proposed project will utilize existing greenhouses and does not propose to convert any new lands or areas. The Project site has not been identified as a site of known mineral resources.</p> <p>Source: Project Plans, SMCo. GIS</p>				
12.b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

Discussion: See discussion under Question 12(b).

Source:

13. NOISE. Would the project result in:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
13.a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
<p>Discussion: The existing greenhouses are equipped with exhaust fans which generate, on average, 80 dB of noise, when measured ten feet from the source. There are two residences on agricultural parcels adjacent to the Project site. The closest residence, 840 Frenchman's Creek Road, is approximately 400 feet to the southwest of the nearest greenhouse. Sound pressure levels decrease by 6 dB with the doubling of the distance from noise source to receptor. Based upon this ratio, noise levels generated by the use of the exhaust fans in these closest greenhouses should be in the range of 45 to 50 dB. This is on par with the noise levels generated by a refrigerator within a home (typically 50 dB). The other nearby residence, 511 Frenchman's Creek Road, is approximately 800 feet away from the nearest greenhouse. Based upon the ratio, noise from exhaust fans in these greenhouses should be less than 45 dB. This level of noise does not violate County noise regulations (Ordinance Code Chapter 4.88) nor does it conflict with EPA noise limits designed to protect hearing.</p> <p>Source: SMC Co. GIS; Center for Hearing and Communication, "Common Environmental Noise Levels"</p>				
13.b. Generation of excessive ground-borne vibration or ground-borne noise levels?				X
<p>Discussion: Typical sources of ground-borne vibration or noise include construction (i.e. – grading of a site prior to construction) or the use of manufacturing equipment (for example a metal lathe or grinding equipment). As stated previously, no new construction is proposed nor are the applicants proposing to utilize heavy industrial equipment that would generate ground-borne vibration or noise.</p> <p>Source: Project Plans, Site Visit</p>				
13.c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, exposure to people residing or working in the project area to excessive noise levels?				X

Discussion: The Project site is not within an airport land use plan or within 2 miles of an airport or private airstrip.

Source: SMCo. GIS

14. POPULATION AND HOUSING. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
14.a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X

Discussion: The proposed project involves the re-use of existing agricultural buildings. No new public infrastructure such as roads or sewer lines are proposed. No new homes are proposed. The project would not generate a significant number of new employees. The applicants anticipate approximately eight full-time staff will be on-site each day with potentially eight more part-time staff on-site as needed during harvest periods. The applicants, based on information provided by the previous agricultural operator, estimate that approximately 10 to 20 people were actively employed at the Project site over the last five to ten years. In accordance with Section 5.148.060 of the County’s Cannabis Cultivation Ordinance, the applicants plan to hire a majority of their labor force from within the existing Coastside agricultural labor pool.

Source: Project Plans; County Cannabis Cultivation Ordinance

14.b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X
--	--	--	--	---

Discussion: The Project site is an agricultural greenhouse complex. There is no existing housing on the Project site.

Source: Project Plans

15. PUBLIC SERVICES. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
15.a. Fire protection?				X
15.b. Police protection?				X
15.c. Schools?				X
15.d. Parks?				X
15.e. Other public facilities or utilities (e.g., hospitals, or electrical/natural gas supply systems)?				X
<p>Discussion: The proposed project does not include a residential component nor is it anticipated that the proposed business will cause a significant population increase such that existing schools, parks and other public facilities would be negatively impacted. The Project site is already developed and fire breaks and other fire prevention measures have been maintained by the previous owner. The current applicants have submitted a fire prevention plan which will be implemented on a regular basis to reduce the threat of wildland fire to the Project site as much as possible. The applicants have submitted a detailed surveillance and security plan as required by the County's cannabis ordinance. There is no evidence to suggest that permitting cultivation at this site will require an increase in Sheriff patrols or responses to calls such that additional Sheriff staffing would be required for this area of the County.</p> <p>Source: Project Plans, Site Visit</p>				

16. RECREATION. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
16.a. Increase the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
<p>Discussion: As discussed previously, the proposed project does not include a residential component nor is it anticipated that the proposed business will cause a significant population</p>				

increase such that existing neighborhood or regional parks and other public facilities would be negatively impacted.

Source: Project Plans

16.b. Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

X

Discussion: No new recreational facilities are proposed as part of this project, nor is it anticipated that the project will generate population growth which might require new or expanded recreational facilities.

Source: Project Plans

17. TRANSPORTATION. Would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
17.a. Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities, and parking?			X	

Discussion: As stated previously, the proposed project will re-use the existing greenhouse complex, where historically fruit, vegetables and flowers were grown both indoors and outdoors. Based upon information provided verbally by the previous property owner, 10 – 20 workers were employed at different times depending upon the season and market demand for the plants and fruit grown on the site. The applicants anticipate approximately eight full time staff will be on-site each day with potentially eight more part-time staff on-site as needed during harvest periods. Additionally, it is anticipated that 2 – 5 delivery vans/trucks will drive to the site on a daily basis. This activity level would result in an estimated 20 – 42 vehicle trips per day.

The public road which serves the Project site (Frenchman’s Creek Road) is a two lane paved road that serves eight other residences/agricultural operations. There is no evidence to suggest that an increase of 20 - 42 trips per day will significantly impact the effectiveness of this road or the road network within the Mid-Coast area in general. In addition, the proposed re-use, while an increase from the current reduced activity level on site, is unlikely to generate significantly more traffic than historic levels at the site.

The Project site is at the end of Frenchman’s Creek road, which is a rural residential/agricultural road. As such, the road does not provide dedicated pedestrian or bicycle facilities. However, there is no aspect of the project that would preclude the construction of such facilities in the future if the road were designated for such uses.

Source: Project Plans, San Mateo Co. GIS, Site visit

17.b. Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b) <i>Criteria for Analyzing Transportation Impacts</i> ?				X
--	--	--	--	---

Discussion: CEQA Guidelines Section 15064.3 establishes a new method for analyzing certain transportation impacts created by a proposed project. Under the new requirements, circulation impacts must be analyzed based on vehicle miles traveled (VMT). For a land use project, if the estimated VMT exceeds an established threshold of significance, then it could be a significant impact. Each Lead Agency is responsible for establishing their own thresholds of significance and has until July 1, 2020 to do so. At this time, San Mateo County has not adopted VMT thresholds of significance, but the responsible County departments (Public Works and Planning) are working on this threshold with the aim of adopting a threshold by the required deadline. Until such time as the required threshold is established, the County’s existing standard of analysis (Level of Service) is the applicable standard of review.

Source: Staff Analysis

17.c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
---	--	--	--	---

Discussion: As stated previously, the project will re-use existing greenhouse structures on the Project site; as such there are no road or structural design features which could create a hazard. No activities will occur off site (such as movement of farm equipment).

Source: Project Plans, San Mateo Co. GIS

17.d. Result in inadequate emergency access?				X
--	--	--	--	---

Discussion: Access to the Project site is via Frenchman’s Creek Road, which is an existing paved road 12 – 19 feet in width. This is the same road configuration that existed when previous building permits for greenhouses were approved by the Fire Department on the Project site. The applicants are not proposing to change this access. The project will not create any impediments to travel along this existing road. As can be seen in the Civil Engineering set of project plans (Attachment A – Pages 7 & 8), the applicants have demonstrated that an emergency vehicle can safely maneuver in and around the buildings on the Project site.

Source: Project Plans, San Mateo Co. GIS, Site visit

18. TRIBAL CULTURAL RESOURCES. Would the project:				
	Potentially Significant Impacts	Significant Unless Mitigated	Less Than Significant Impact	No Impact
18.a. Cause a substantial adverse change in the significance of a tribal cultural				X

resource, defined in Public Resources Code Section 21074 as either a site, feature, place or cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)				X
<p>Discussion: The Project site has been developed with greenhouses for over 30 years. There is no evidence that the site contains historic or cultural resources. The proposed license will re-use the existing greenhouses. No new development is proposed.</p> <p>Source: Project Plans, SMC Co. GIS</p>				
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in Subdivision (c) of Public Resources Code Section 5024.1. (In applying the criteria set forth in Subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.)				X
<p>Discussion: See discussion under Questions 5(c) and 18(a)(i).</p> <p>Source:</p>				

19. UTILITIES AND SERVICE SYSTEMS. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
19.b. Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or			X	

telecommunications facilities, the construction or relocation of which could cause significant environmental effects?				
---	--	--	--	--

Discussion: The applicants are proposing to use a hydroponic growing system which minimizes the production of irrigation tail water. To maintain suitable growing conditions, wastewater is discharged from hydroponic systems when the irrigation water contains excessive salinity or nutrients. Irrigation tail water is generated when excess water drains from the growth media. Irrigation tail water or hydroponic wastewater may contain nutrients (e.g., phosphate or nitrate), salinity constituents (e.g., sodium, chloride, potassium, calcium, sulfate, magnesium), and other constituents (e.g., iron, manganese, zinc, molybdenum, boron, and silver). Other sanitation-based wastewaters may also be generated at indoor commercial cannabis cultivation sites. These miscellaneous industrial wastewaters may contain biocides, bleach mixtures, or other chemical waste streams.

The proposed cultivation activities will not require the need for new water or wastewater facilities. With regards to wastewater, what little irrigation tail water, hydroponic wastewater, or other miscellaneous industrial wastewater that is generated by the hydroponics growing system will be discharged to a collection tank. The wastewater in the collection tank will be regularly collected by an authorized waste hauler who will dispose of the wastewater at a licensed community sewer system treatment facility, consistent with the Water Board’s sewer system requirements and as approved by the Water Board.

The State Water Resources Control Board (SWRCB or Water Board) regulates the discharge of waste materials that could affect the quality of the waters of the state. Water Code section 13260 requires that any person discharging waste or proposing to discharge waste that could affect the quality of the waters of the state must file a report of waste discharge to obtain coverage under waste discharge requirements (WDRs) or a waiver of WDRs. In establishing a regulatory program for cannabis cultivation, SWRCB has created a tiered system depending upon the type (indoor or outdoor) and size of cultivation. Commercial cannabis cultivation activities that occur within a structure with a permanent roof, a permanent impermeable floor (e.g., concrete or asphalt paved), and that discharge irrigation tail water, hydroponic wastewater, or other miscellaneous industrial wastewaters from indoor cannabis cultivation activities to an on-site wastewater treatment system (such as a septic tank and leach field), must obtain separate regulatory authorization (e.g., WDRs, conditional waiver of WDRs, or other permit mechanism) to discharge the wastewater.

The applicants have applied for and received a Conditional Waiver of Water Quality from the Water Board. As such, the project has complied with the Water Board’s “Cannabis Cultivation Policy” and “General Waste Discharge Requirements”. The cultivation activities will not exceed the wastewater treatment requirement of the Water Board. The project does not require the upgrading of any existing storm or waste water treatment systems.

Source: *Cannabis Cultivation Policy - Principles and Guidelines for Cannabis Cultivation*, State Water Resources Control Board, October 2017; *Notice Of Applicability, Conditional Waiver Of Water Quality Order WQ-2017-0023-DWQ*, Half Moon Grow, Inc, San Mateo County, San Francisco Bay Regional Water Quality Control Board

19.d. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X
--	--	--	--	---

Discussion: The project parcel has established rights with the SWRCB to divert 10.66 acre-feet (3.5 million gallons) of water per year from Frenchman’s Creek, which borders the project parcel to the north. Diversion is only allowed from January 1 through March 31 of each year. Surface water

from Frenchman’s Creek is diverted via a weir with an adjustable height that is set each year based on the required bypass flow in the creek. The surface water that overtops the weir flows into a series of settling basins and is pumped to interim sedimentation storage tanks. From there, the main pump house pumps surface water to the reservoir and storage tanks on top of the hill (that overlooks the greenhouse complex). Additionally, during an average year, rainfall over the reservoir results in an additional 1.12 acre-feet (365,000 gallons) of water capture. This water collection system is already existing and was previously operated in the same manner for prior agricultural operations on the site.

Based upon records for other cannabis operations that the applicants maintain in Humboldt County, it is estimated that the project will generate the following water demand:

Nursery Stock

Proposed canopy area for nursery stock is 41,843 sq. ft. and requires 7.5 gallons per sq. ft. of irrigation each year. Total demand for nursery stock is 313,822 gallons per year.

Mature Cultivation Stock

Proposed canopy area for mature cultivation stock is 42,228 sq. ft. and requires 10 gallons per sq. ft. of irrigation each year. Total demand for mature cultivation stock is 422,280 gallons per year.

Incidental Use

Incidental use includes all other miscellaneous water uses, such as equipment washing, dust control, fire protection, domestic (treated) use, other agriculture use, etc. The water demand for incidental use is approximately 100,000 gallons per year.

Altogether, the total proposed water demand for cannabis cultivation operations is 836,102 gallons per year, where average yearly supply will be over 3.5 million gallons. Based upon these estimates, existing water supply facilities are adequate and there will be no impact.

The applicants are not proposing any additional greenhouse structures on the site. The ability to construct additional greenhouses is constrained by the proximity to biotic resource buffer areas.

Source: *Notice Of Applicability, Conditional Waiver Of Water Quality Order WQ-2017-0023-DWQ, Half Moon Grow, Inc, San Mateo County, San Francisco Bay Regional Water Quality Control Board; Water Supply Memorandum, BKF Engineering, January 2019*

19.e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?				X
--	--	--	--	---

Discussion: The Project site is not connected to a municipal wastewater treatment system.

Source: Project Plans

19.f. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?				X
--	--	--	--	---

Discussion: For all non-cannabis waste materials, disposal shall be at the County’s only landfill – Ox Mountain, which currently has sufficient space to accommodate the anticipated waste stream

from this site. All cannabis-related plant waste (i.e. – regulated material) must be either disposed of at a regulated site or, as proposed for this project, composted on site for use as fertilizer.

Source: Project Plans

19.g. Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				X
---	--	--	--	---

Discussion: See discussion under Question 19(f).

Source:

20. WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
20.a. Substantially impair an adopted emergency response plan or emergency evacuation plan?				X

Discussion: The Project site is located in an area designated as a “Very High Fire Hazard Risk” on the State’s Fire Hazard Severity Zone maps. The Project site is accessed from Highway 1 via an approximately one mile long paved road (Frenchman’s Creek Road). The road varies in width between 12 – 19 feet along its length. This access route has been reviewed and approved by the Coastside Fire Protection District (and its predecessor) at various times when reviewing building permit applications for construction of the various buildings on the Project site.

San Mateo County has an adopted emergency evacuation plan for the Urban Mid-Coast area. There is no component of this project that will interfere with this plan. The project will not create new residences that could increase the number of people that might be trapped during an emergency event. There are no residences further up the canyon or surrounding hills that utilize the segment of Frenchman’s Creek Road that runs through the Project site. While there will be a secured gate at the entrance to the Project site, the Coastside County Fire Protection District will have access to the required Knox Box at the gate. This will allow the fire access into and through the Project site if necessary.

Source: Project Plans, Site visit, County GIS database

20.b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			X	
---	--	--	---	--

Discussion: The Project site sits within a canyon surrounded by hillsides covered with brush. For the Half Moon Bay area, prevailing winds tend to come from the west or north. Prevailing winds from the west would tend to diminish the threat of uncontrolled spread of wildfire towards the greenhouse complex. Generally, if a wildfire were to break on one of the adjacent hillsides and the

wind is coming from the west, it would push the fire and smoke away from the complex and towards the uninhabited surrounding hill country. It should be noted that the Project site has been developed with greenhouses and supporting buildings for over 40 years. No aspect of the project will exacerbate the existing level of fire hazard posed to the existing greenhouse structures or surrounding areas. In fact, the construction of additional fire protection measures, as described below, and the reintroduction of a regular employee presence may help report and contain wildfires if they were to break out on the surrounding hillsides.

Source: Weatherspark.com: "Average Weather in Half Moon Bay area"; Site Visit; County GIS database

20.c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			X	
---	--	--	---	--

Discussion: The greenhouse complex with its associated roads and water infrastructure (source and delivery to the site) exists now and have been described previously. No changes are required for these infrastructure components. In response to comments received from the Coastside Fire Protection District, the applicants are proposing to install additional fire hydrants within the complex to ensure adequate fire suppression water supply to all structures proposed for cultivation use. The additional hydrants are proposed in previously disturbed or paved areas. As required by the California Fire Code and Public Resources Code Section 4291, the applicants are required to maintain the existing defensible fuel break around all structures on the site. These measures will reduce fire risk on the site and there is no evidence to suggest that maintaining the existing fuel breaks will cause an ongoing impact to the environment.

Source: 2013 California Fire Code; California Public Resources Code Section 4291; Project Plans

20.d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			X	
--	--	--	---	--

Discussion: The slopes surrounding the greenhouse complex are covered primarily with low brush with some trees scattered within the brush. If a catastrophic wildfire were to burn through these hills, it could potentially leave the adjacent slopes denuded and susceptible to instability if heavy rains were to occur before replacement vegetation was able to take hold. The soils on the adjacent hillsides is primarily Farallone course sandy loam which has a rapid rate of permeability and low erosion hazard rating. While landslide hazard cannot be ruled out, given the soil characteristics, the more likely effect of heavy rainfall on these barren slopes would be accelerated erosion of sandy material.

The existing greenhouses are non-habitable structures and the number of persons predicted to be on the Project site at any time is relatively low. In terms of danger to occupants of these buildings, the risk is relatively low given the distance of the buildings to the base of the surrounding slopes (in the 30 – 40 foot range). Because of the distance of the existing buildings to the base of the surrounding slopes and the soil characteristics, risk due to post-fire landslide is less than significant.

Source: Soil Survey, San Mateo County, by U.S. Dept. of Agriculture Soil Conservation Service; Project Plans

21. MANDATORY FINDINGS OF SIGNIFICANCE.				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
21.a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		
<p>Discussion: A potentially significant impact related to odor was identified and mitigation measures were proposed which will reduce this impact to a less than significant level. Potential impacts to steelhead due to potential de-watering of Frenchman’s Creek were discussed in the Biological Resources section of this report. A mitigation measure which matches the restrictions of the project’s LSAA was included to address this potential impact. Potential impacts to roosting bats was also discussed and a mitigation measure to address any potential impacts to these species of concern was included.</p> <p>Because the project will re-utilize existing greenhouse buildings and no new construction is proposed, it is not expected to degrade the quality of the environment, or substantially reduce habitat or affect populations of any wildlife, fish, or plant species. It has been determined that re-use of the existing greenhouse buildings will not have any impact on any examples of the major periods of California history or prehistory.</p> <p>Source:</p>				
21.b. Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)			X	
<p>Discussion: The project will not have impacts to agriculture or forestry resources, mineral resources, or population and housing that would combine with other projects. The proposed cannabis cultivation activities could have potential impacts with respect to odors. However, such impacts would be limited to the Project site and, where necessary, mitigated such that they would not substantially combine with other off-site impacts.</p>				

For the reasons presented in the above document, the proposed project is not expected to result in adverse impacts to human beings, either directly or indirectly. All impacts identified in this document are less than significant, or reduced to less than significant levels with implementation of mitigation measures, and the project's incremental contribution to potential cumulative impacts will not be cumulatively considerable. Therefore, the project's impact is considered less than significant.

Source:

22.c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	
--	--	--	---	--

Discussion: See Question 22(b) above.

Source:

RESPONSIBLE AGENCIES. Check what agency has permit authority or other approval for the project.

AGENCY	YES	NO	TYPE OF APPROVAL
Bay Area Air Quality Management District	X		Limited Use Stationary Compression Ignition (Diesel) Engines in Agricultural Use registration
Caltrans		X	
City		X	
California Coastal Commission		X	
County Airport Land Use Commission (ALUC)		X	
Other: California Department of Food and Agriculture (CalCannabis Cultivation Licensing)	X		Annual Cannabis Cultivation License
Regional Water Quality Control Board	X		Notice of Applicability, Conditional Waiver of Water Quality Order WQ-2017-0023-DWQ
San Francisco Bay Conservation and Development Commission (BCDC)		X	
Sewer/Water District:		X	
State Department of Fish and Wildlife	X		Lake and Streambed Alteration Agreement
State Department of Public Health		X	
State Water Resources Control Board		X	

AGENCY	YES	NO	TYPE OF APPROVAL
U.S. Army Corps of Engineers (CE)		X	
U.S. Environmental Protection Agency (EPA)		X	
U.S. Fish and Wildlife Service		X	

<u>MITIGATION MEASURES</u>		
	<u>Yes</u>	<u>No</u>
Mitigation measures have been proposed in project application.		X
Other mitigation measures are needed.	X	
<p>The following measures are included in the project plans or proposals pursuant to Section 15070(b)(1) of the State CEQA Guidelines:</p> <p>Mitigation Measure 1: Prior to the issuance of the requested Type 2B or 3B (Mixed Light, Cultivation) licenses, the applicant shall install a carbon filter system (or a comparable system) on the exhaust outlets for all buildings that will contain flowering cannabis plants or their product. This includes the greenhouses and the drying and processing buildings. The applicant shall also submit a maintenance plan (which includes record keeping) for review and approval prior to issuance of the requested licenses.</p> <p>Mitigation Measure 2: From the California Department of Fish and Wildlife Lake and Streambed Alteration Agreement for the Half Moon Grow (37 Frenchman's Creek Road) cannabis cultivation license:</p> <ul style="list-style-type: none"> • The season of diversion (from Frenchman's Creek) shall be limited from January 1 to March 31 of each year ("forbearance period"). From April 1 to December 31, all water shall be allowed to pass the point of diversion. • The maximum instantaneous rate of withdrawal (from Frenchman's Creek) shall not exceed 0.4 cubic feet per second (cfs) or 180 gallons per minute (gpm) at any time. The maximum amount of water to be diverted in any one year shall not exceed 10.66-acre feet. • No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion (in Frenchman's Creek). <p>Mitigation Measure 3: If any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result in a disturbance to roosting bats, a bat roost survey shall be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted before any change in use or modification of the building occurs.</p>		

DETERMINATION (to be completed by the Lead Agency).

On the basis of this initial evaluation:

I find the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared by the Planning Department.

I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because of the mitigation measures in the discussion have been included as part of the proposed project. A
X MITIGATED NEGATIVE DECLARATION will be prepared.

I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.



(Signature)

5/29/19

Date

SENIOR PLANNER

(Title)

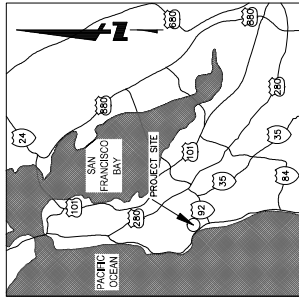
ATTACHMENTS

- A. Project Plans (Civil)
- B. Project Plans (Architectural)
- C. *Loess Creek Grading Violation & Restoration Project Biological Resources Report*, Sol Ecology, Inc., October 2018
- D. *Biological Addendum Report for 37 Frenchman's Creek Road (for Half Moon Grow)*, Sol Ecology, Inc., April 2019



County of San Mateo - Planning and Building Department

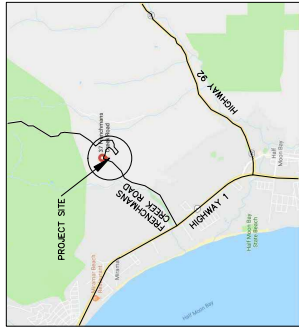
ATTACHMENT A



VICINITY MAP
N.T.S.

FRENCHMANS CREEK NURSERY 37 FRENCHMANS CREEK ROAD CITY OF HALF MOON BAY, CA

APN: 048-320-020



LOCATION MAP
N.T.S.

PROJECT CONSULTANT TEAM:

OWNERS/ REPRESENTATIVES
EDWARD WILKINSON
ED.WILKINSON@SONOMA.COM
ANESSA BIRDAHL
ANESSA.BIRDAHL@SONOMA.COM
QUANTUM GENETICS, INC.
FORTUNA, CA 95540

CIVIL
ROLAND HAGA
BKF ENGINEERS
255 SHORELINE DR., SUITE 200
HALF MOON BAY, CA 94065
(650) 482-4300

ARCHITECT:
EDWARD LOVE
LOVE ARCHITECT
720 MILL STREET
HALF MOON BAY, CA 94019
(650) 720-7675

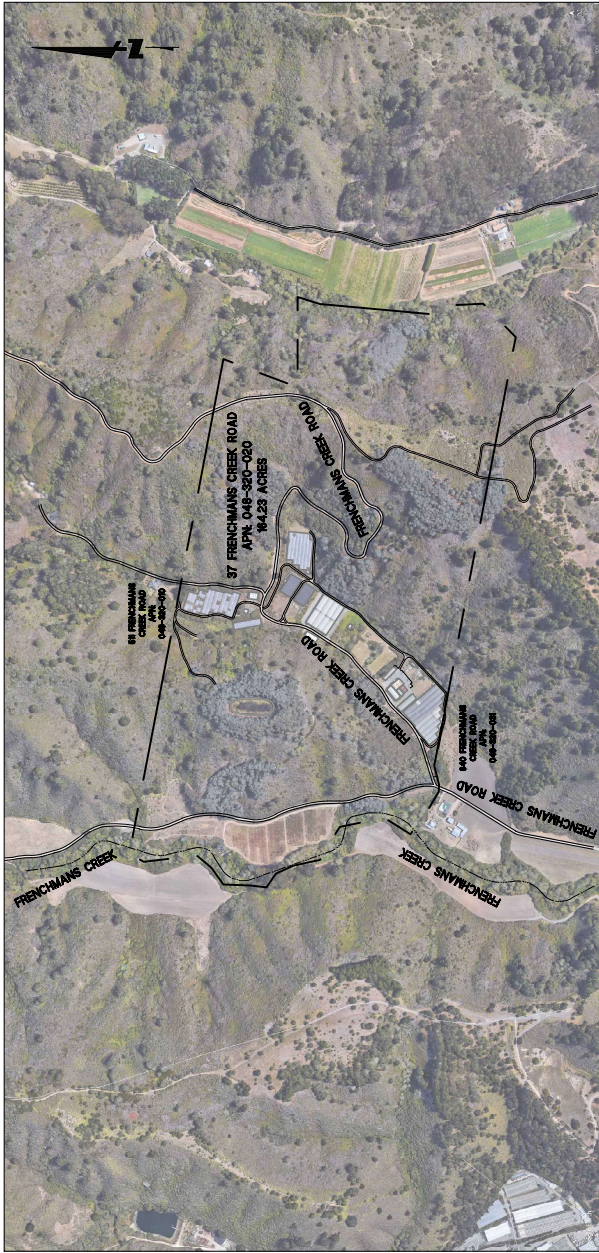
BIOLOGIST:
DANA ROGGS
SOL ECOLOGY, INC.
10000 SERRANO AVENUE
PETALUMA, CA 94955
(707) 241-7718

SECURITY SPECIALIST:
NICHOLAS STRUTTON
SECURE ALARM SYSTEMS
P.O. BOX 887700
DALLAS, TX 75288
(800) 444-5346

STRUCTURAL:
BRIAN DOTSON
BRIAN DOTSON & ASSOCIATES
MONTEREY, CA 94037
(650) 722-0219

ELECTRICAL:
CANTIA MCGONNICAL
CANTIA MCGONNICAL & ASSOCIATES
P.O. BOX 100
MONTEREY, CA 94037
(530) 788-1183

HVAC:
ANDY HILLARD
BRADY AIR CONDITIONING
3000 SAN FRANCISCO BLVD
SAN FRANCISCO, CA 94080
(650) 742-9840



LEGEND:

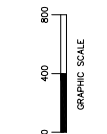
- BOUNDARY
- FLOWLINE
- STORM DRAIN LINE
- UNDERGROUND ELECTRICAL CONDUIT
- GAS LINE
- GAS
- OVERHEAD ELECTRICAL LINE

ABBREVIATIONS:

- AC ASPHALT CONCRETE
- CB CATCH BASIN
- (E) EXISTING
- (L) LIGHTNING ROD
- DB DRAINAGE BASIN
- (N) NEW
- SEW SEWER ARCHITECTURAL PLANS
- SD STORM DRAIN
- TP TYPICAL

SHEET INDEX

SHEET NO.	DESCRIPTION
C0.0	TITLE SHEET
C1.0	EXISTING SITE PLAN
C1.1	EXISTING UTILITY PLAN
C2.0	PROPERTY IMPROVEMENT PLAN
C2.1	PROPERTY IMPROVEMENT PLAN
C3.1	SIGNAGE PLAN
C4.1	FIRE PREVENTION PLAN
C4.2	FIRE PREVENTION PLAN
C4.3	FIRE PREVENTION PLAN
C5.1	SEPTIC PLAN
C5.2	SEPTIC PLAN
C6.1	SOLID WASTE MANAGEMENT PLAN
C7.1	SITE ELECTRICAL/ENERGY PLAN
C7.2	SITE ELECTRICAL/ENERGY PLAN
C8.1	EXTERIOR SECURITY AND LIGHTING PLAN
C8.2	EXTERIOR SECURITY AND LIGHTING PLAN



811
Know what's below.
Call before you dig.

BKF 100 YEARS
ENGINEERS, SURVEYORS, PLANNERS
REMOVED CITY, CA 94065
255 SHORELINE DR., SUITE 200
WWW.BKF.COM
(650) 482-4300

TITLE SHEET
37 FRENCHMANS CREEK NURSERY
SAN MATEO COUNTY
HALF MOON BAY



Job No	09/25/2018
Approved By	DJP
Design	DJP
Scale	AS SHOWN
Revisions	1
Date	01/21/2019

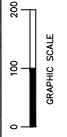
CO.0
OF



Date	01/21/2019
Revisions	
No.	REVISIONS 1
Scale	1" = 100'
Drawn	DJP
Approved	RM
Job No.	20170335-10



SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS



37 FRENCHMANS CREEK ROAD
 APN 048-320-020
 84.23 ACRES

Date	09/25/2018
Revision	None
Scale	1" = 100'
Project	REVISIONS 1
Drawn	
Checked	
Approved	
Job No.	20170335-10

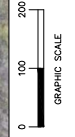


HALF MOON BAY
SAN MATEO COUNTY
EXISTING UTILITY PLAN
FRENCHMAN'S CREEK NURSERY
CALIFORNIA



BKF 100 YEARS
ENGINEERS, SURVEYORS, PLANNERS
www.bkf.com
255 SHORELINE DR.,
REWOOD CITY, CA 94065
(650) 442-6300
SUITE 200

SEE SHEET C.O.O FOR
LEGEND AND
ABBREVIATIONS



37 FRENCHMAN'S CREEK ROAD
APN: 048-320-020
84.23 ACRES



- KEY NOTES:**
- 1. RECONSTRUCT GATE ENTRY.
 - 2. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 3. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 4. RECONSTRUCT GATE ENTRY.
 - 5. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 6. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 7. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 8. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 9. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 10. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 11. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 12. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 13. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 14. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 15. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 16. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 17. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 18. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 19. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 20. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 21. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 22. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 23. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 24. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 25. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 26. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 27. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 28. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 29. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 30. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 31. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 32. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 33. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 34. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 35. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 36. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 37. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 38. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 39. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 40. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 41. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 42. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 43. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 44. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 45. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 46. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 47. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 48. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 49. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 50. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 51. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 52. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 53. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 54. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 55. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 56. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 57. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 58. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 59. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 60. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 61. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 62. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 63. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 64. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 65. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 66. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 67. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 68. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 69. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 70. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 71. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 72. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 73. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 74. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 75. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 76. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 77. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 78. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 79. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 80. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 81. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 82. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 83. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 84. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 85. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 86. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 87. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 88. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 89. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 90. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 91. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 92. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 93. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 94. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 95. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 96. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 97. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 98. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 99. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.
 - 100. FURNISH ACCESS TO LOT ENTRY WITH THE ACCESS OF THE EXISTING DRIVEWAY.

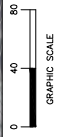
SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS

0 40 80
 GRAPHIC SCALE



- KEY NOTES:**
- Ⓢ (BUILDING TO BE REMOVED AND FOUNDATION TO BE MAINTAINED FOR POSSIBLE FUTURE USE) (STRUCTURES FOR STATE LICENSES: SMALL MEDIUM-LIGHT TERT (M), PRE-FAB ACCOMMODATIONS, TCAIR-3565, TCAIR-3566, TCAIR-3567, SWP FOR CANOPY AREAS.
 - Ⓣ (BUILDING IN PROCESS TO BE PERMITTED UNDER CDP) USE (STRUCTURE FOR STATE LICENSES: MEDIUM MEDIUM-LIGHT TERT 2, TCAIR-3497, SWP FOR CANOPY AREAS.
 - Ⓤ (GREENWASTE/COMPOST BINS.
 - Ⓡ (USE (STRUCTURES FOR HARVEST STORAGE, TCAIR-3544, TCAIR-3545, TCAIR-3546, TCAIR-3547, SWP FOR BUILDING FOOTPRINT AREAS.

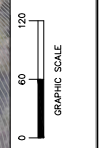
SEE SHEET C0.0 FOR
 LEGEND AND
 ABBREVIATIONS



MATCHLINE, SEE SHEET C2.1



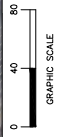
SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS



MATCHLINE: SEE SHEET C4.2



SEE SHEET C4.0 FOR
LEGEND AND
ABBREVIATIONS





Job No	20170335-10
Approved By	
Design	DJP
Scale	1" = 40'
Revisions	1
Date	01/21/2019



KEY NOTES:

- ◆ 15' VERTICAL CLEARANCE AND 16' UNOBSTRUCTED HORIZONTAL CLEARANCE
- ◆ 15' VERTICAL CLEARANCE AND 16' UNOBSTRUCTED HORIZONTAL CLEARANCE
- ◆ FIRETRUCK SIMULATION

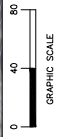


RWC FIRE TRUCK
 feet
 Wheel : 8.17
 Lock to Lock Time : 6.0
 Steering Angle : 26.5

LEGEND:



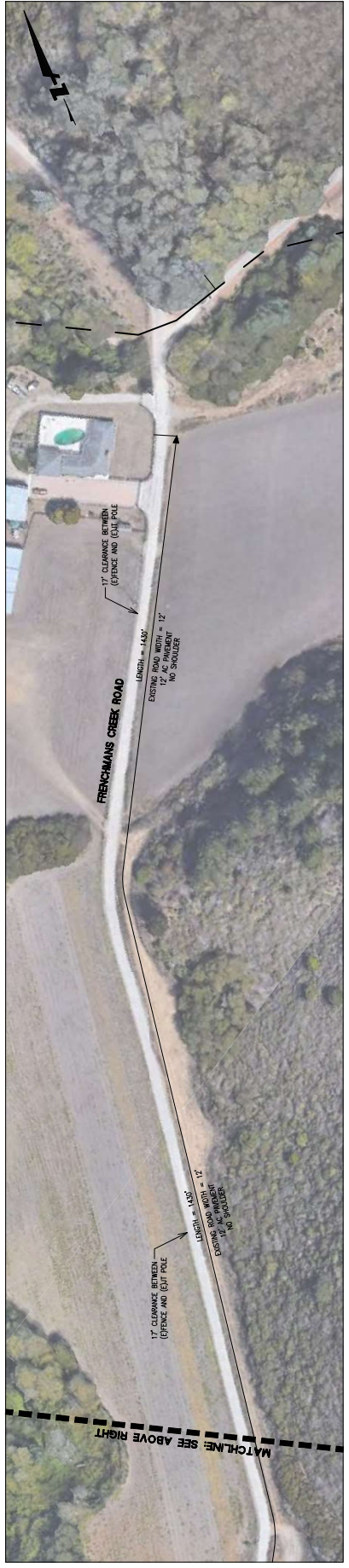
**SEE SHEET C0.0 FOR
 LEGEND AND
 ABBREVIATIONS**



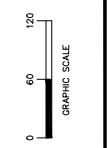
MATCHLINE: SEE SHEET C4.1



Date	09/25/2018
Revisions	1
Scale	1" = 60'
Drawn	DJP
Checked	DJP
Approved	RH
Job No	20170335-10



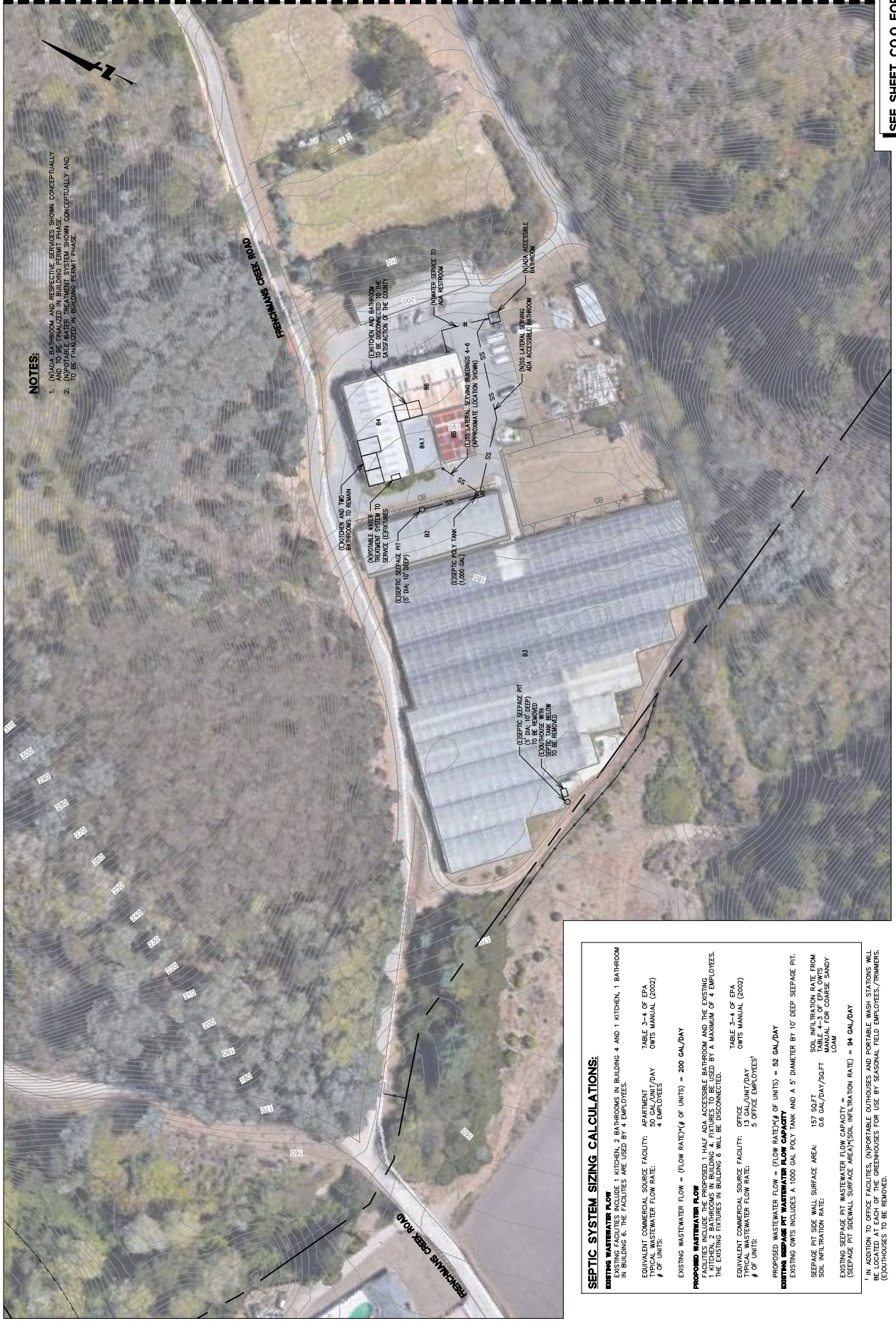
SEE SHEET C.O.0 FOR
 LEGEND AND
 ABBREVIATIONS



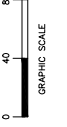


Job No.	20170325-10
Approved By	JAK
Project	DJP
Scale	1" = 40'
Revisions	1
Date	01/27/2019

- NOTES:**
1. ALL SERVICES AND RESPECTIVE SERVICES SHOWN CONCEPTUALLY AND TO BE FINALIZED IN BUILDING PERMIT PHASE.
 2. UNPOTABLE WATER TREATMENT SYSTEM SHOWN CONCEPTUALLY AND TO BE FINALIZED IN BUILDING PERMIT PHASE.



SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS



SEPTIC SYSTEM SIZING CALCULATIONS:

EXISTING WASTEWATER FLOW
 EXISTING FACILITIES INCLUDE 1 KITCHEN, 2 BATHROOMS IN BUILDING 4 AND 1 KITCHEN, 1 BATHROOM IN BUILDING 6. THE FACILITIES ARE USED BY 4 EMPLOYEES.
 EQUIVALENT COMMERCIAL SOURCE FACILITY: RESTROOM
 TYPICAL WASTEWATER FLOW RATE: 50 GAL/UNIT/DAY
 # OF UNITS: 4 EMPLOYEES
 EXISTING WASTEWATER FLOW = (FLOW RATE)*(# OF UNITS) = 200 GAL/DAY

PROPOSED WASTEWATER FLOW
 FACILITIES INCLUDE THE PROPOSED 1 HALF ADA ACCESSIBLE BATHROOM AND THE EXISTING BATHROOM IN BUILDING 6. THE FACILITIES ARE USED BY A MAXIMUM OF 4 EMPLOYEES.
 EQUIVALENT COMMERCIAL SOURCE FACILITY: RESTROOM
 TYPICAL WASTEWATER FLOW RATE: 50 GAL/UNIT/DAY
 # OF UNITS: 4 EMPLOYEES
 PROPOSED WASTEWATER FLOW = (FLOW RATE)*(# OF UNITS) = 200 GAL/DAY

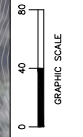
EXISTING SEWAGE PIT WASTEWATER FLOW CAPACITY
 EXISTING SIPS INCLUDES A 1000 GAL POLY TANK AND A 5' DIAMETER BY 10' DEEP SEEPAGE PIT.
 SEWAGE PIT SIDE WALL SURFACE AREA: 157 SQ.FT.
 SOIL INFILTRATION RATE: 0.6 GAL/DAY/SQ.FT.
 EXISTING SEWAGE PIT WASTEWATER FLOW CAPACITY = 94 GAL/DAY

1. IN ADDITION TO OFFICE FACILITIES, (PORTABLE OUTHOUSES AND PORTABLE WASH STATIONS WILL BE LOCATED AT EACH OF THE GREENHOUSES FOR USE BY SEASONAL FIELD EMPLOYEES/TRIMMERS. (OUTHOUSES TO BE REMOVED).



Job No	20170335-10
Approved By	DJP
Design	DJP
Scale	1" = 40'
Revisions	1
Date	01/27/2019

**SEE SHEET C5.0 FOR
 LEGEND AND
 ABBREVIATIONS**

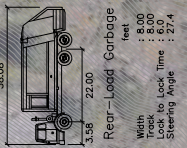


MATCHLINE. SEE SHEET C5.1

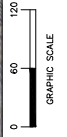
SOLID WASTE MANAGEMENT PLAN
 FRENCHMANS CREEK NURSERY
 37 FRENCHMANS CREEK ROAD
 SAN MATEO COUNTY
 CALIFORNIA

BKF100 YEARS
 ENGINEERS, SURVEYORS, PLANNERS
 255 SHORELINE DR.,
 REDWOOD CITY, CA 94065
 (650) 442-6300
 www.bkf.com

© BKF Engineers



**SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS**



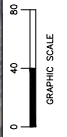


Date	01/21/2019
Revisions	
No.	1
Description	REVISIONS

Date	09/25/2018
No.	
Description	Revisions
Scale	1" = 40'
Design	DJP
Approved	RH
Job No	20170335-10



SEE SHEET C.O.O FOR MORE LEGEND AND ABBREVIATIONS

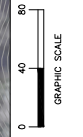


SITE ELECTRICAL/ENERGY PLAN
FRENCHMANS CREEK NURSERY
 37 FRENCHMANS CREEK ROAD
 SAN MATEO COUNTY
 CALIFORNIA

BKF100
 ENGINEERS, SURVEYORS, PLANNERS
 255 SHORELINE DR.
 SUITE 200
 REMOND CITY, CA 94065
 (650) 442-6200
 www.bkf.com

© BKF Engineers

SEE SHEET C0.0 FOR MORE LEGEND AND ABBREVIATIONS



- LEGEND:**
- BOUNDARY
 - UNDERGROUND ELECTRICAL CONDUIT
 - GAS LINE
 - OVERHEAD ELECTRICAL LINE
- ABBREVIATIONS:**
- (E) EXISTING ELECTRICAL METER
 - (GB) GRADE BREAK



MATCHLINE. SEE SHEET C7.1

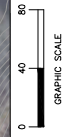


Date	09/25/2018
Revisions	
No.	1
Description	REVISIONS
Date	01/21/2019
By	
Approved By	DJP
Job No	20170335-10



- KEY NOTES:**
- ◆ DUAL LICENSE PLATE CAMERAS. SEE FIGURE F OF HALF MOON GROW SECURITY PLAN.
 - ◆ GENERAL VIEW CAMERAS AT GATE. SEE FIGURE F OF HALF MOON GROW SECURITY PLAN.
 - ◆ ALARM-HOOD CONTACT AND ENTRANCE CAMERA. SEE FIGURE A THROUGH E OF HALF MOON GROW SECURITY PLAN.
 - ◆ (MOTION) SENSOR LIGHT.
 - ◆ (WALL-MOUNTED) LIGHT.
 - ◆ LICENSE GEN 2 LED LIGHT FOR ENTRANCE.

**SEE SHEET C.O.O FOR
 LEGEND AND
 ABBREVIATIONS**



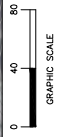


Job No	20170335-10
Approved By	
Design	DJP
Scale	1" = 40'
Revisions	1
Date	01/21/2019



- KEY NOTES:**
- ◆ DUAL LICENSE PLATE CAMERAS. SEE FIGURE F OF HALF MOON GROW SECURITY PLAN.
 - ◆ GENERAL VIEW CAMERA ON GATE. SEE FIGURE E OF HALF MOON GROW SECURITY PLAN.
 - ◆ ALARM-HOOR CONTACT AND ENTRANCE CAMERA. SEE FIGURE A THROUGH E OF HALF MOON GROW SECURITY PLAN.
 - ◆ MOTION SENSOR LIGHT.
 - ◆ E-WALL-MOUNTED LIGHT.
 - ◆ GEN 2 LED LIGHT FOR ENTRANCE.

**SEE SHEET C0.0 FOR
 LEGEND AND
 ABBREVIATIONS**



MATCHLINE. SEE SHEET C8.1



County of San Mateo - Planning and Building Department

ATTACHMENT B

Half Moon Grow Inc. Half Moon Grow Nursery Inc. 37 Frenchman's Creek Rd. Half Moon Bay APN: 048-320-020

General Notes:

These plans are the Architects interpretation of all the current existing conditions. Contractors, Engineers of all disciplines not limited to Fire, Mechanical, Electrical, Plumbing, Structural, Civil to check and validate all existing and pre-existing conditions. It is the responsibility of the Contractor to bring to attention any discrepancies between the existing conditions and the drawn plans.

New lighting Proposal subject to cultivation review. All electrical associated to comply with C.E.C

Project Data:

Zoning: 048-320-020
 APN: PAD/OD
 Occupancy: U
 Const. Type: IH-B

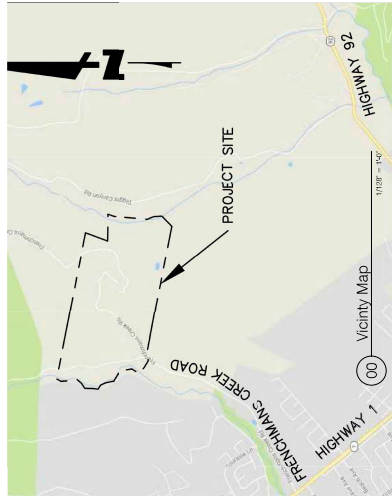
APPLICABLE CODES:

- CALIFORNIA STATE SAN MATEO COUNTY
- CALIFORNIA STATE CANNABIS ORINANCE
- SAN MATEO COUNTY ZONING AND BUILDING ORDINANCES
- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA ENERGY CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
- ANY APPLICABLE COUNTY CODES, ORDINANCES, OR AMENDMENTS TO THE CALIFORNIA BUILDING CODES.

GENERAL NOTES:

These plans are the Architects interpretation of all the current existing conditions. Contractors, Engineers of all disciplines not limited to Fire, Mechanical, Electrical, Plumbing, Structural, Civil to check and validate all existing and pre-existing conditions. It is the responsibility of the Contractor to bring to attention any discrepancies between the existing conditions and the drawn plans.

New lighting Proposal subject to cultivation review. All electrical associated to comply with C.E.C



Project Contacts:

Owner Representatives:
 Ed Wilkinson
 edwilson1990@gmail.com
 210 Triple K Pl.
 Quantum Geomatics Inc.
 Folsom CA 95640

Architecture:
 Edward C. Love Architect
 edward@eclovearchitect.com
 720 Mill Street
 Half Moon Bay CA 94019
 (650) 728-7615
 edward@eclovearchitect.com

Engineering:
 C&I Engineer
 B&F Engineering
 Richard Hagan
 256 Shasta
 Redwood City CA 94065
 650-482-6000

Structural Engineer:
 PO Box 371022
 Monterey 94037
 650-722-0219

Contractor's License #
 General Contractor
 Dipen Chatterjee
 5170 Golden Foothill Pkwy
 El Dorado Hills, Ca. 95762
 530-988-5596
 dipen@hbabarchitect.com
 Contractor License #

Electrical Engineer:
 ECOM Electrical Eng
 1798 Tribune Road, Suite 100
 Sacramento, CA 95815
 916-276-1503

Electrical Consultant:
 Chelle Schornholt
 8535 Vintners Rd, #6, 250
 Winnetka, CA 94091
 415-219-1400

Biological:
 S.O. Escobar, Inc.
 Dana Pfluger
 PO Box 8214
 Petaluma 94955
 707-241-7716

Sheet List

Sheet Number	Sheet Title
TS	Title Sheet
G-00	General Site layout
G-01	ADA Parking & Temp. WC Facility
TCA Nissy	02&03 Canopy&Prop'd Light Plan-TCA18-9567
A101-02	02 Floor & Lighting Plan (Existing)
A201-02	02 Elevations (Existing)
A301-02	02 Section View
A101-03	03 Floor Plan Existing
A201-03	03 Elevations
A101-04	04 FPEI Storage TCA18-9564-61-66-67
A101-4.1	4.1 Floor Plan (Existing)
A101-05	05 Elevations (Existing)
A201-05	05 Elevations (Existing)
A101-06	06 Floor Plan LVL01 (Existing)
A102-06	06 Floor Plan LVL02 (Existing)
A103-06	06 Ceiling & Proposed Lighting Plan
A201-06	06 Elevations N/E (Existing)
A301-06	06 Sections 01&02 (Existing)
TCA-CulFA	08 Canopy&Prop'd Lighting Plan-TCA18-9561, 4, 6
A101-08	08 Floor Plan (Existing)
A201-08	08 Elevations (Existing)
TCA-CulIB	09 Canopy&Prop'd Lighting TCA18-9567
A101-9S	09S Floor Plan (Existing)
A101-9N	09N Floor Plan (Existing)
A103-9N&S	09 Elevations (Existing)
A201-09	09 Ceiling&Proposed Light Plan
A301-09	09 Sections-Details (Existing)
10-HRVST	10 Harvest Storage&Prop'd Light Plan TCA18-9561
A201-10	10 Elevations (Existing)
A301-10	10 Section View (Existing)
A101-12	12 GENERATOR 02 SHED

* License Canopy Information

REVISIONS	

Half Moon Grow Inc
 Existing Conditions
 Half Moon Bay, Ca. 94019

Tile Sheet



1031719
 per drawing
 me
 3/17/2018

TS

ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF THE ARCHITECT AND ENGINEER. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM THE ARCHITECT AND ENGINEER. THE ARCHITECT AND ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE ARCHITECT AND ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

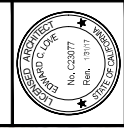
NO.	DATE	DESCRIPTION



Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(650) 728-7615
edward@eclove.com

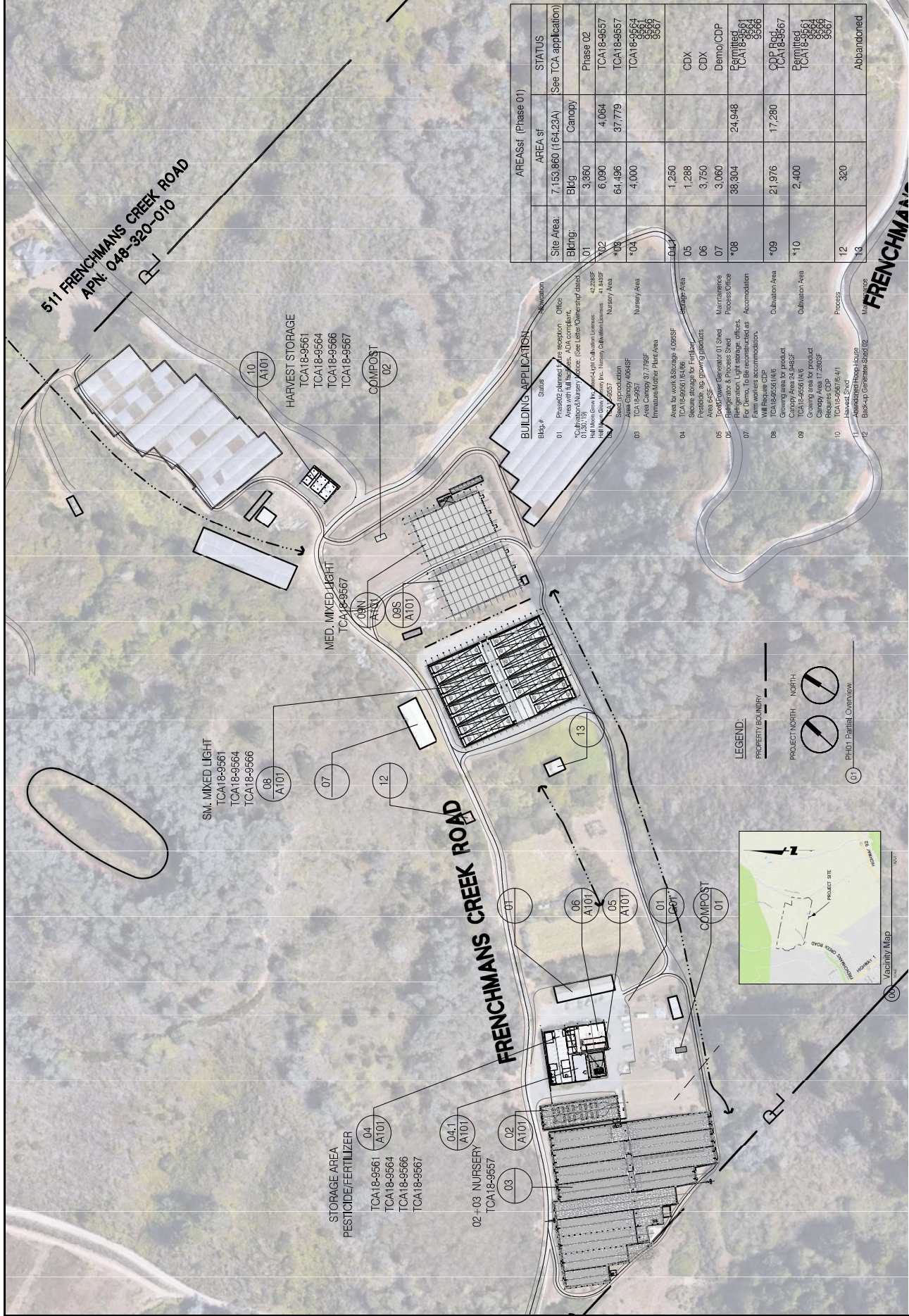
Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

General Site Layout



DATE: 13/1/19
SCALE: per drawing
PROJECT: mc
DRAWN BY: JTC/CH/PL/EB

G-00



Bldg #	AREA S ^t (Phase 01)		STATUS
	Site Area	Canopy	
01	7,153,860 (164,23A)	See TCA application)	Phase 02
02	3,360		
*03	6,090	4,064	TCA18-9557
*04	64,496	37,779	TCA18-9557
	4,000		TCA18-9564
			TCA18-9564
			TCA18-9564
			TCA18-9567
05	1,250		CDX
06	1,288		CDX
07	3,750		
08	3,060		Demo CDP
	38,304	24,948	Permitted TCA18-9561
			TCA18-9561
			TCA18-9561
			TCA18-9561
*09	21,976	17,280	CDP Road
*10	2,400		Permitted TCA18-9567
			TCA18-9567
			TCA18-9567
			TCA18-9567
12	320		Abandoned
13			Abandoned

LEGEND:

- PROPERTY BOUNDARY
- PROJECT NORTH - NORTH
- PHOTO Partial Overview



ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF EDWARD C. LOVE ARCHITECT. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF EDWARD C. LOVE ARCHITECT.

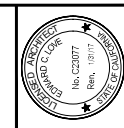
REVISIONS



Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(850) 728-7615
edward@eclovearchitects.com

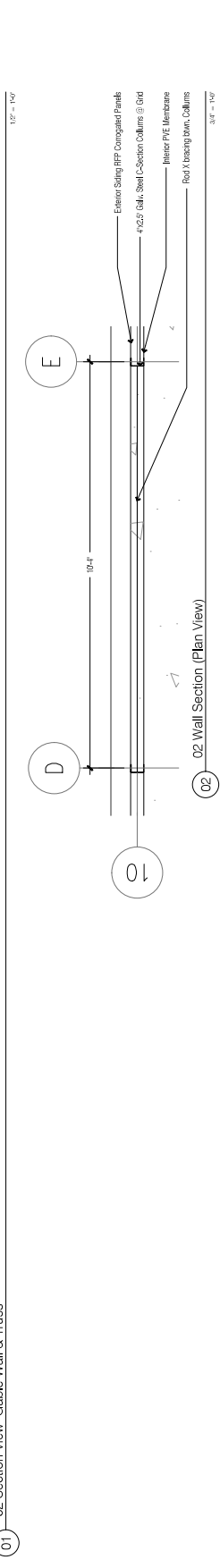
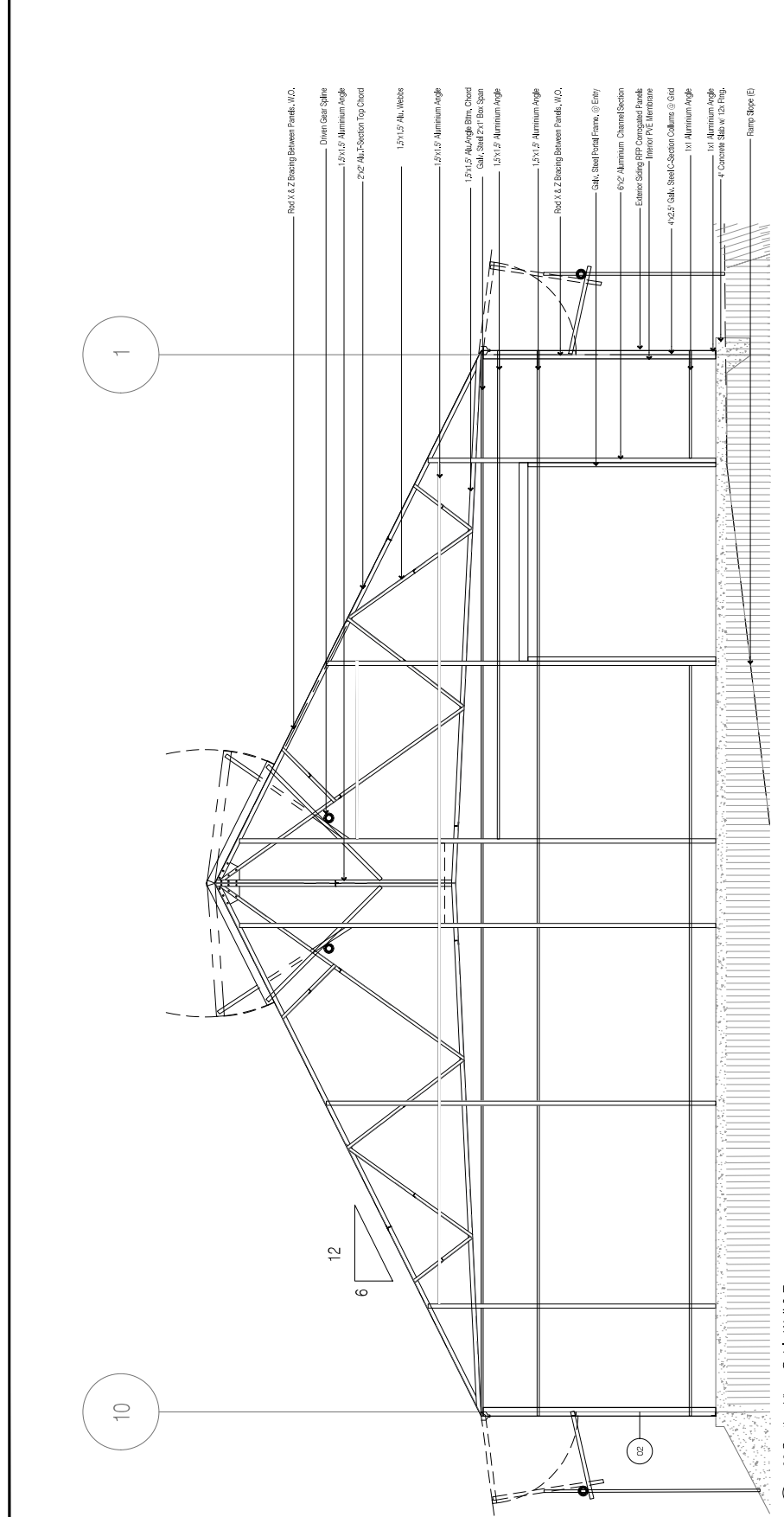
Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

02 Section View



DATE: 03/01/19
DRAWN: pjt drawing
CHECKED: rrc
PROJECT: 37FCH-PRD-04B
SHEET: 002

A301-02



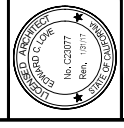
REVISIONS



Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(850) 728-7615
edward@eclovearchitect.com

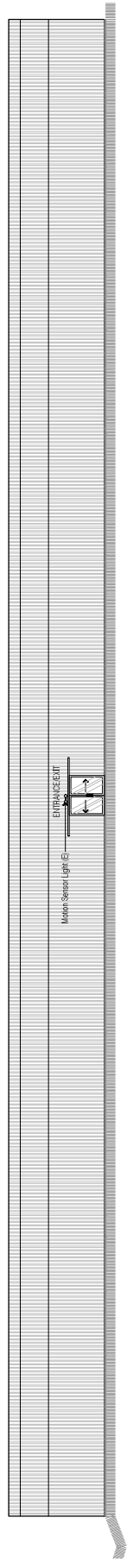
Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca., 94019

03 Elevations

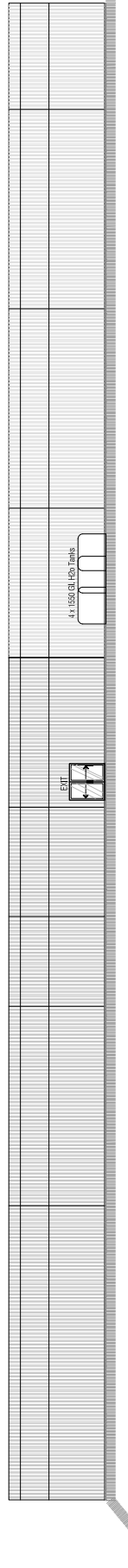


DATE: 1/30/19
DRAWN: pat drilling
SCALE: n/c
PROJECT: 37FCH-PRD-14B

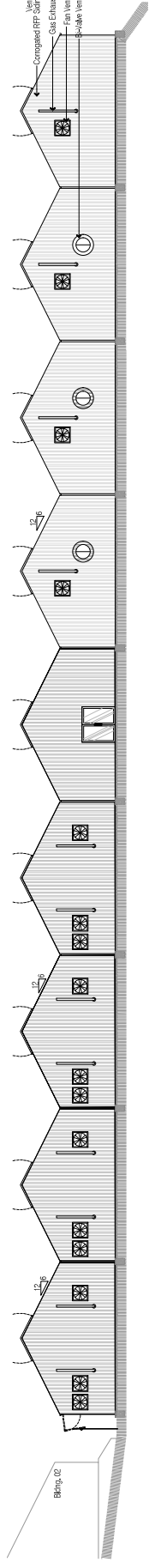
A201-03



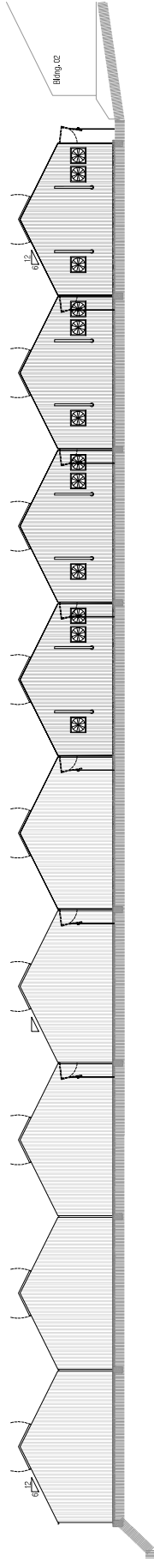
10



02

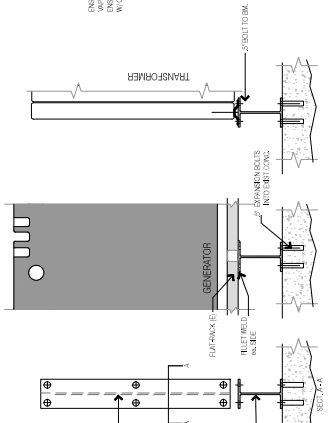
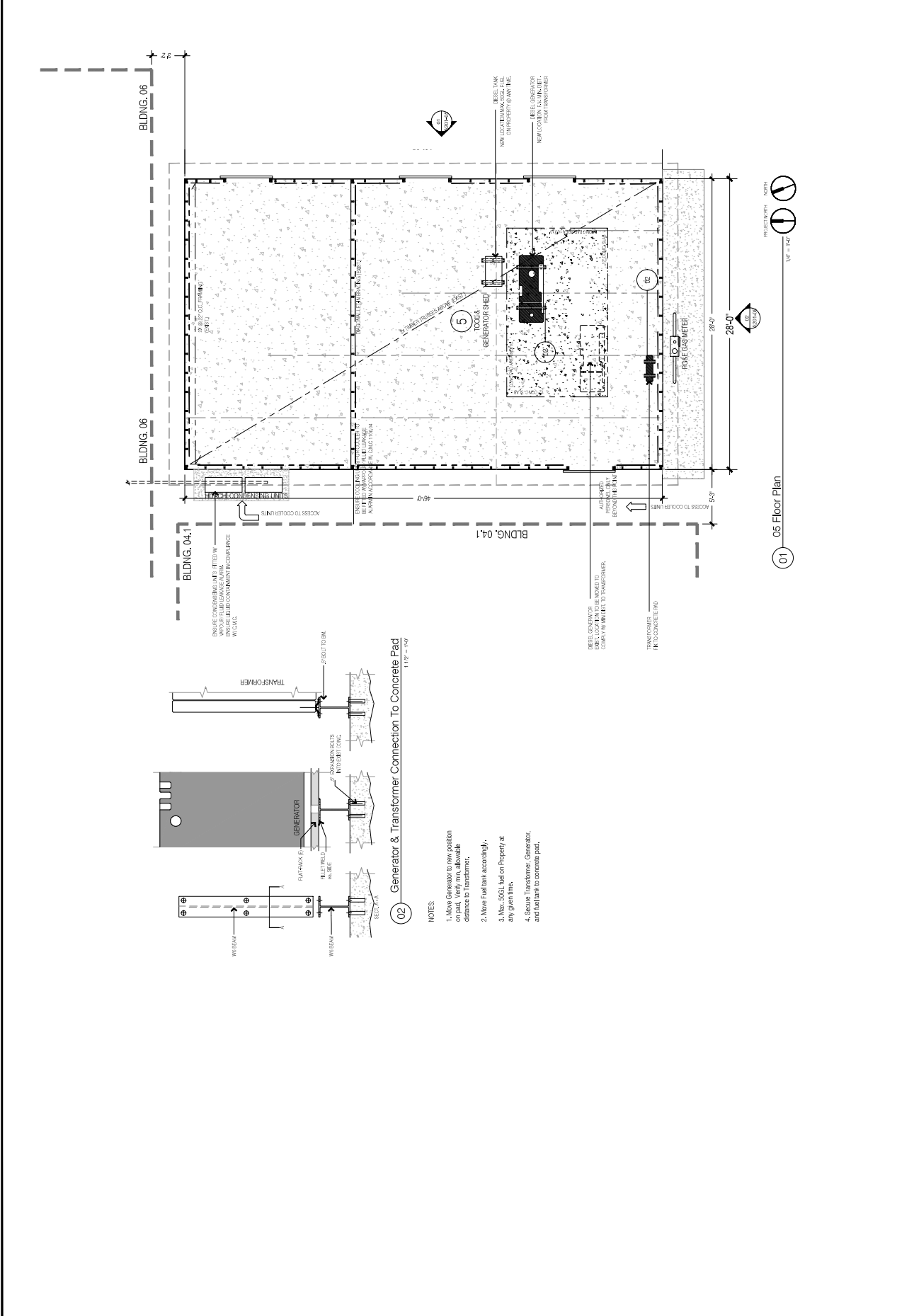


03



04

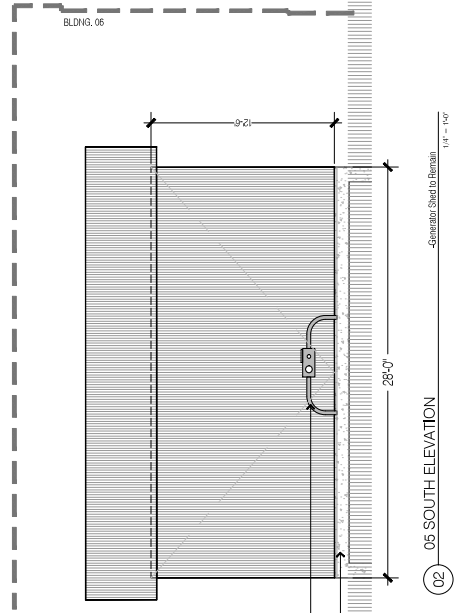
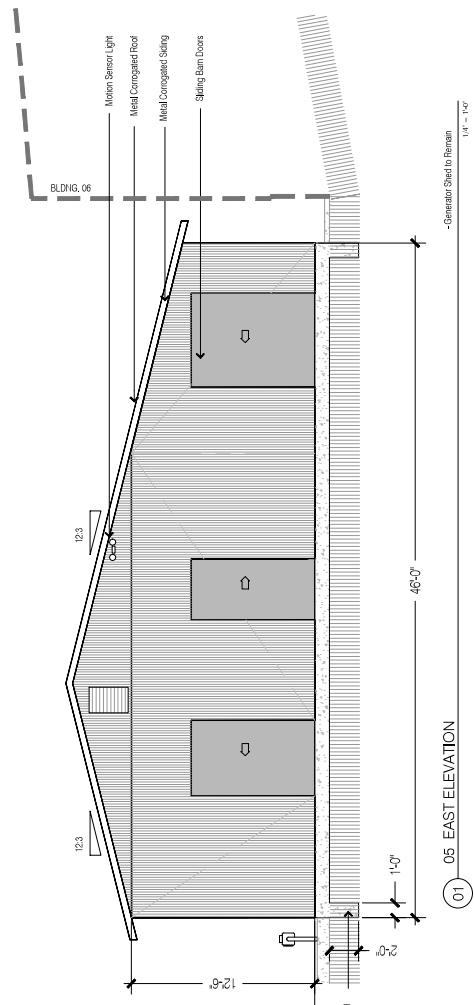
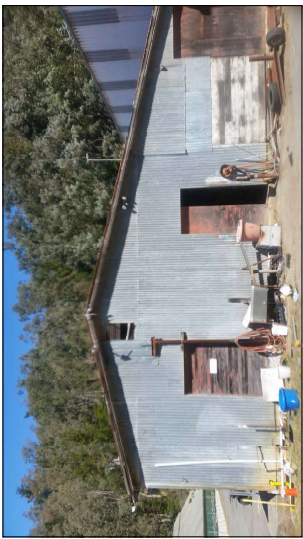
ALL WORK SHOWN ON THESE PLANS IS TO BE CONSIDERED AS EXISTING UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH CONSTRUCTION. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WORK SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE WORK SHOWN ON THESE PLANS. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WORK SHOWN ON THESE PLANS.



02 Generator & Transformer Connection To Concrete Pad
1/8" = 1'-0"

NOTES

1. Move Generator to new location on pad. Verify min. allowable clearance to Transformer.
2. Move Flat Rack accordingly.
3. Max. 500T load on Property at any given time.
4. Secure Transformer, Generator, and fuel tank to concrete pad.

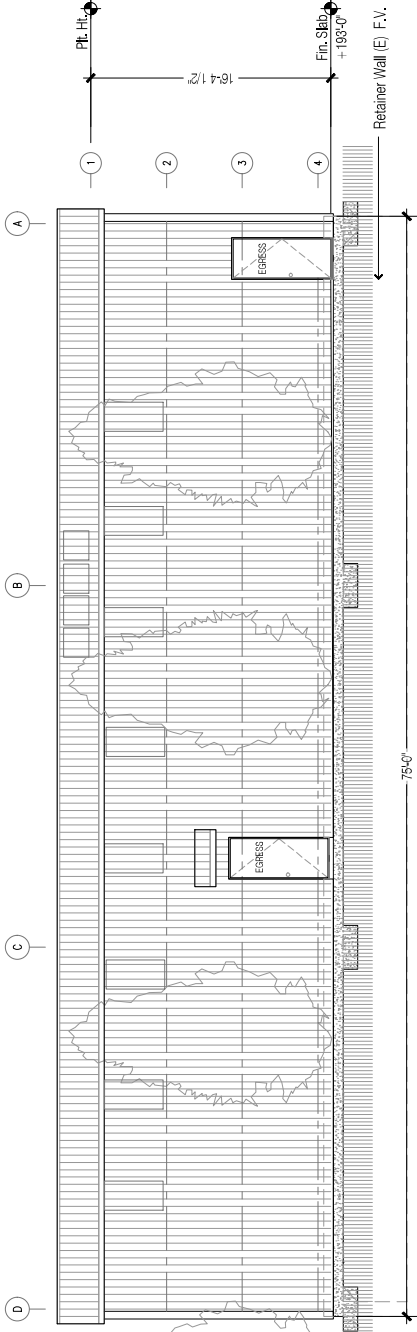


Fin. Siding
1/8" x 4"

Concrete Fltg. (Typ. IE)
F3.

PG&E Gas
12" Concrete Slab (Typ. IE)
F3.

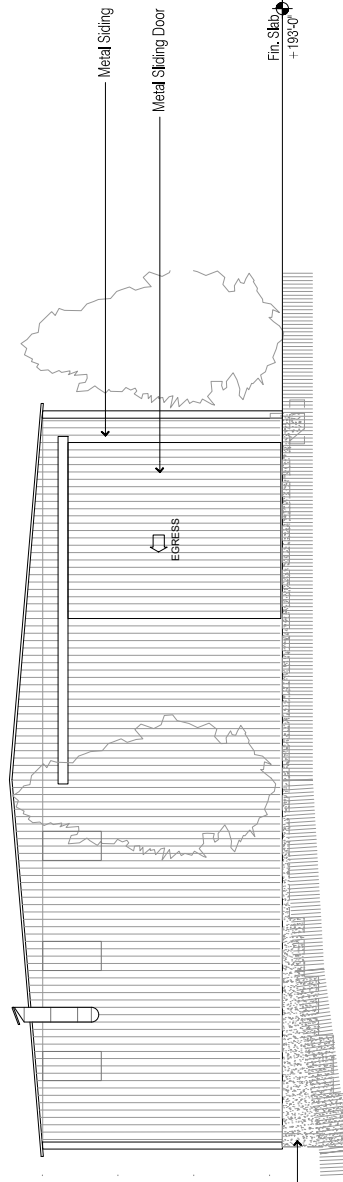
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, THE CALIFORNIA ELECTRICAL CODE, THE CALIFORNIA MECHANICAL CODE, THE CALIFORNIA PLUMBING CODE, THE CALIFORNIA FIRE CODE, THE CALIFORNIA SOILS AND FOUNDATIONS CODE, THE CALIFORNIA WATER SUPPLY CODE AND THE CALIFORNIA ENVIRONMENTAL CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



01 - 06 North Elevation



Concrete Stem Wall



02 - 06 East Elevation

REVISIONS

Edward C. Love
Architect
720 MILL STREET
HAUF MOON BAY, CA 94019
650.728.7815
edward@eclovearchitect.com

Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

06 Elevations N&E (Existing)

DATE	03/01/19
SCALE	per drawing
DRAWN	mc
CHECKED	BJC/PHD-AB
PROJECT	

A201-06

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF EDWARD C. LOVE ARCHITECT. IT IS TO BE USED ONLY FOR THE PROJECT AND NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF EDWARD C. LOVE ARCHITECT, NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

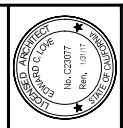
REVISIONS



Edward C. Love
Architect
120 MILL STREET
HALF MOON BAY, CA 94019
(850) 728-7615
edward@research@gmail.com

Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

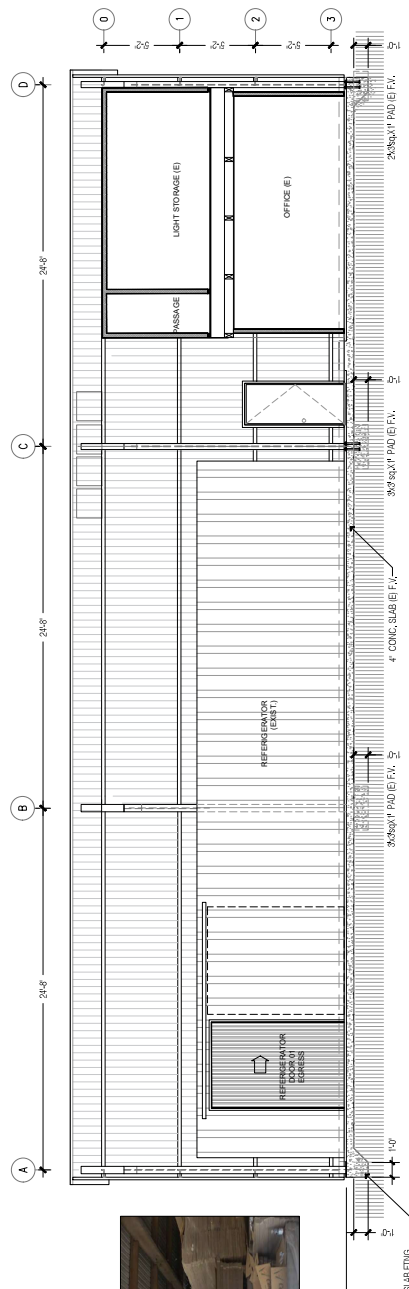
06 Sections 01&02 (Existing)



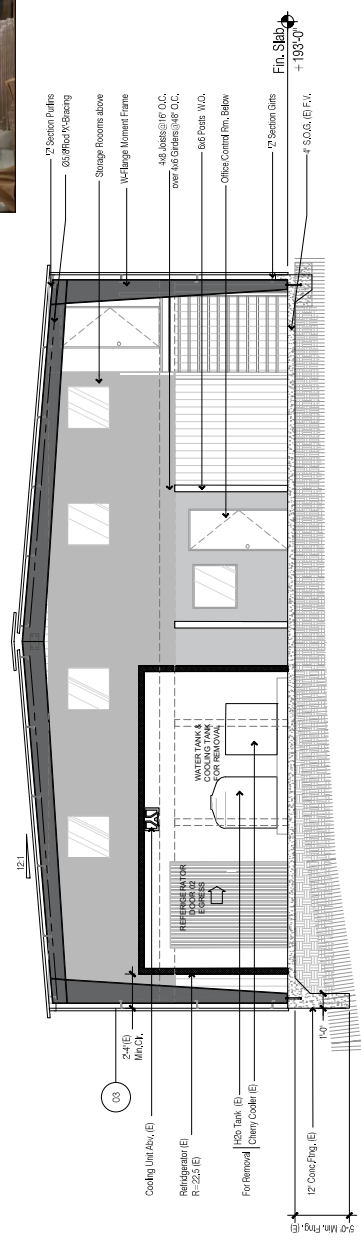
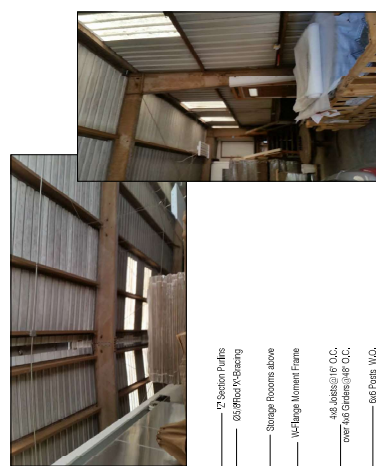
EDWARD C. LOVE
No. C23077
Exp. 12/31/17

DATE: 03/07/19
SCALE: per drawing
DRAWN BY: rrc
PROJECT: 37FCH-PH01-04B

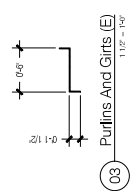
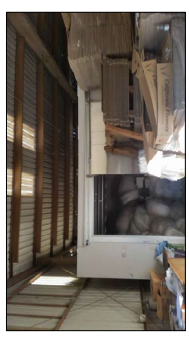
A301-06



01 Section Views (E)
1/4" = 1'-0"



02 Section Views (E)
1/4" = 1'-0"



03 Puffins And Girts (E)
1/4" = 1'-0"

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CALIFORNIA BUILDING CODES, AND ALL APPLICABLE LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS.

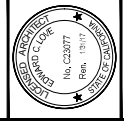
REVISIONS



Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(650) 728-7615
edward@eclovearchitect.com

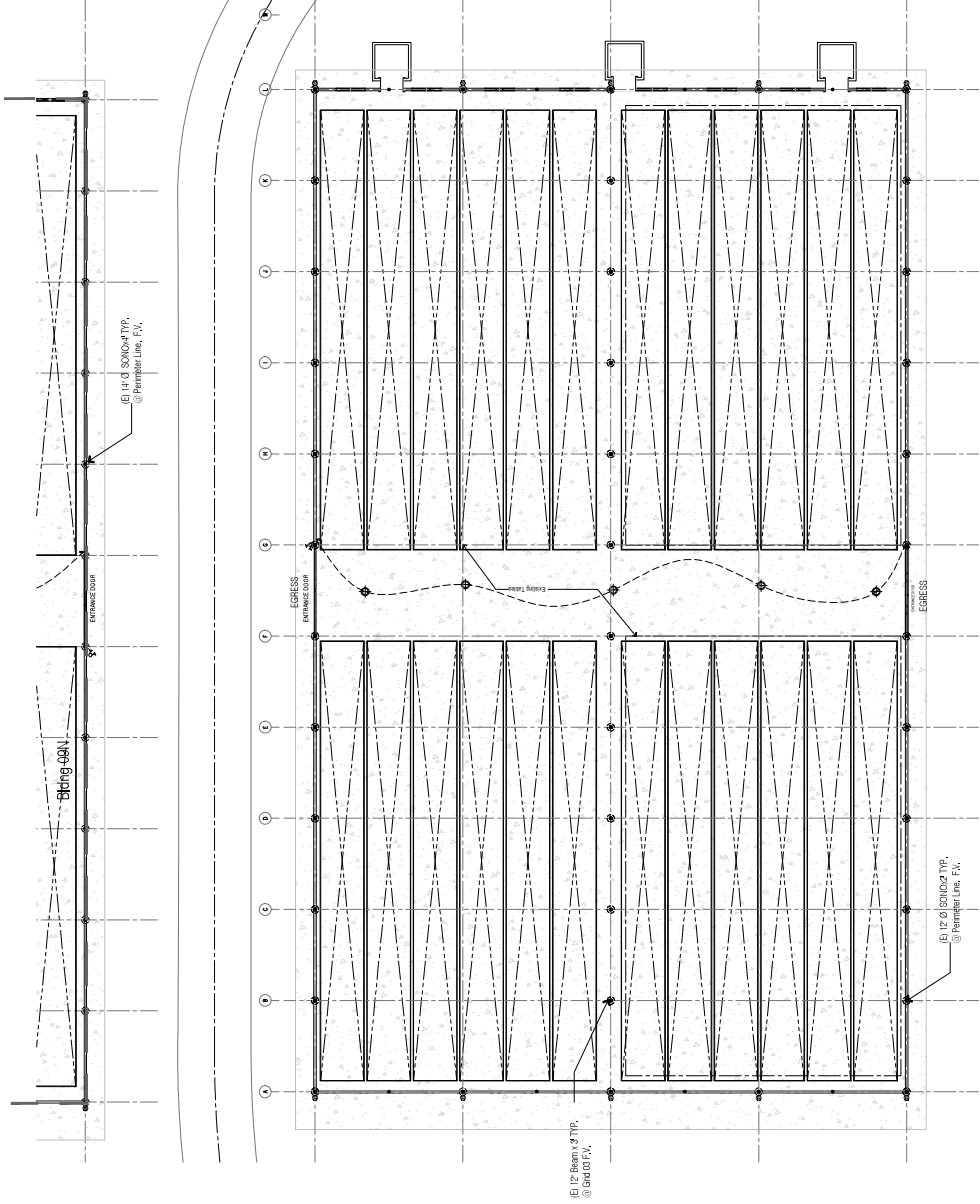
Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

09S Floor Plan (Existing)



DATE: 1/30/19
DRAWN BY: per/dawing
SCALE: nrc
PROJECT: 07/04/19/10-48
SHEET:

A101-9S



1" = 16'

01 09S Floor Plan (Exist.)

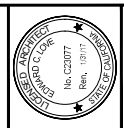
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS THE POLICY OF THE ARCHITECT TO MAKE AVAILABLE TO THE PUBLIC THE INFORMATION CONTAINED HEREIN TO THE EXTENT PERMITTED BY LAW. THE ARCHITECT MAKES NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN AND PROFESSIONAL SERVICES PROVIDED BY THE ARCHITECT. THE ARCHITECT IS NOT RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL OR NON-PROFESSIONAL PERSONS OR FOR THE ACTIONS OF ANY OTHER PROFESSIONAL OR NON-PROFESSIONAL PERSONS EMPLOYED BY THE ARCHITECT OR FOR THE ACTIONS OF ANY OTHER PROFESSIONAL OR NON-PROFESSIONAL PERSONS EMPLOYED BY THE ARCHITECT OR FOR THE ACTIONS OF ANY OTHER PROFESSIONAL OR NON-PROFESSIONAL PERSONS EMPLOYED BY THE ARCHITECT.

REVISIONS



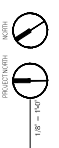
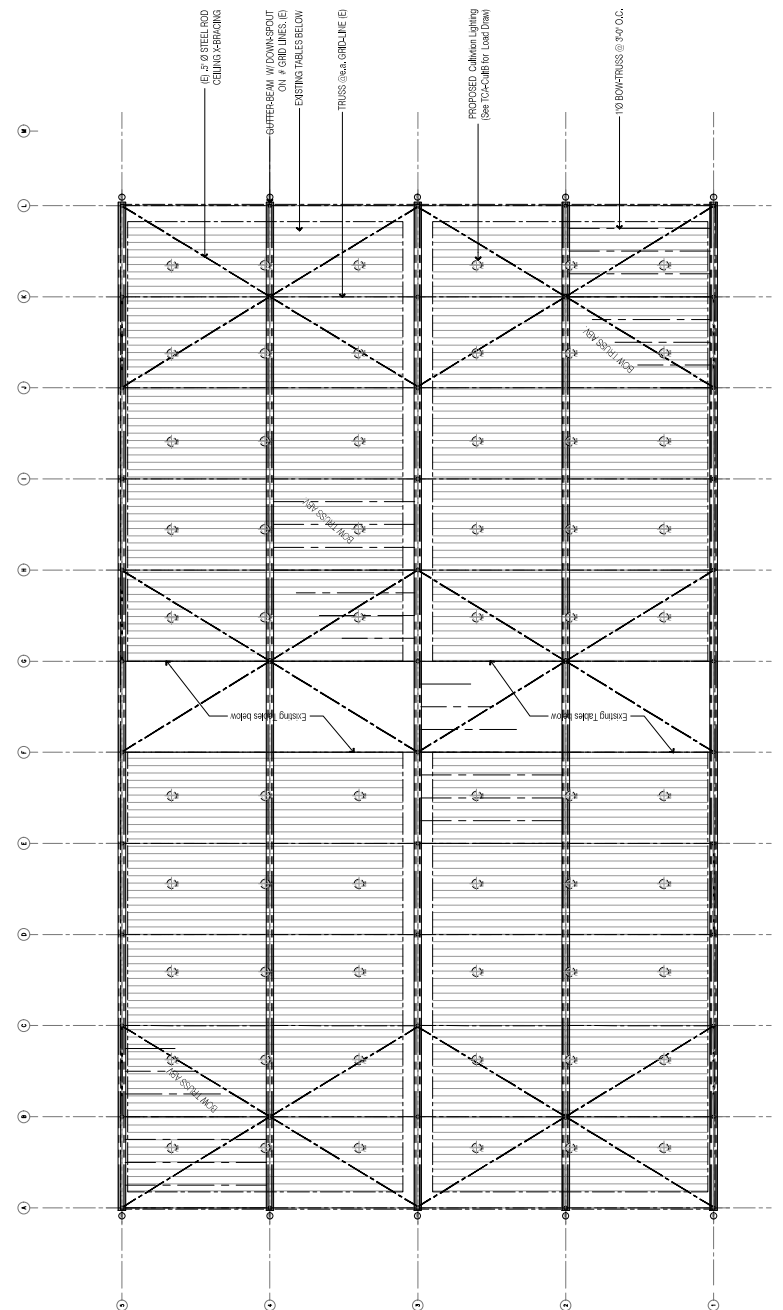
Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

09 Ceiling & Proposed Light Plan



DATE	02/07/19
DRAWN BY	PER DRAWING
CHECKED BY	mc
PROJECT	37FOCH-12A-01
SHEET	

A103-9N&S



01 09M&S8S Ceiling Layout (E) & Lighting Plan

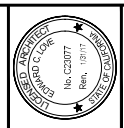
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. DATE OF DECLASSIFICATION IS INDEFINITE. AUTHORITY: 50 CFR 172.163 (b) (1), 50 CFR 172.163 (b) (2), 50 CFR 172.163 (b) (3), 50 CFR 172.163 (b) (4), 50 CFR 172.163 (b) (5), 50 CFR 172.163 (b) (6), 50 CFR 172.163 (b) (7), 50 CFR 172.163 (b) (8), 50 CFR 172.163 (b) (9), 50 CFR 172.163 (b) (10), 50 CFR 172.163 (b) (11), 50 CFR 172.163 (b) (12), 50 CFR 172.163 (b) (13), 50 CFR 172.163 (b) (14), 50 CFR 172.163 (b) (15), 50 CFR 172.163 (b) (16), 50 CFR 172.163 (b) (17), 50 CFR 172.163 (b) (18), 50 CFR 172.163 (b) (19), 50 CFR 172.163 (b) (20), 50 CFR 172.163 (b) (21), 50 CFR 172.163 (b) (22), 50 CFR 172.163 (b) (23), 50 CFR 172.163 (b) (24), 50 CFR 172.163 (b) (25), 50 CFR 172.163 (b) (26), 50 CFR 172.163 (b) (27), 50 CFR 172.163 (b) (28), 50 CFR 172.163 (b) (29), 50 CFR 172.163 (b) (30), 50 CFR 172.163 (b) (31), 50 CFR 172.163 (b) (32), 50 CFR 172.163 (b) (33), 50 CFR 172.163 (b) (34), 50 CFR 172.163 (b) (35), 50 CFR 172.163 (b) (36), 50 CFR 172.163 (b) (37), 50 CFR 172.163 (b) (38), 50 CFR 172.163 (b) (39), 50 CFR 172.163 (b) (40), 50 CFR 172.163 (b) (41), 50 CFR 172.163 (b) (42), 50 CFR 172.163 (b) (43), 50 CFR 172.163 (b) (44), 50 CFR 172.163 (b) (45), 50 CFR 172.163 (b) (46), 50 CFR 172.163 (b) (47), 50 CFR 172.163 (b) (48), 50 CFR 172.163 (b) (49), 50 CFR 172.163 (b) (50), 50 CFR 172.163 (b) (51), 50 CFR 172.163 (b) (52), 50 CFR 172.163 (b) (53), 50 CFR 172.163 (b) (54), 50 CFR 172.163 (b) (55), 50 CFR 172.163 (b) (56), 50 CFR 172.163 (b) (57), 50 CFR 172.163 (b) (58), 50 CFR 172.163 (b) (59), 50 CFR 172.163 (b) (60), 50 CFR 172.163 (b) (61), 50 CFR 172.163 (b) (62), 50 CFR 172.163 (b) (63), 50 CFR 172.163 (b) (64), 50 CFR 172.163 (b) (65), 50 CFR 172.163 (b) (66), 50 CFR 172.163 (b) (67), 50 CFR 172.163 (b) (68), 50 CFR 172.163 (b) (69), 50 CFR 172.163 (b) (70), 50 CFR 172.163 (b) (71), 50 CFR 172.163 (b) (72), 50 CFR 172.163 (b) (73), 50 CFR 172.163 (b) (74), 50 CFR 172.163 (b) (75), 50 CFR 172.163 (b) (76), 50 CFR 172.163 (b) (77), 50 CFR 172.163 (b) (78), 50 CFR 172.163 (b) (79), 50 CFR 172.163 (b) (80), 50 CFR 172.163 (b) (81), 50 CFR 172.163 (b) (82), 50 CFR 172.163 (b) (83), 50 CFR 172.163 (b) (84), 50 CFR 172.163 (b) (85), 50 CFR 172.163 (b) (86), 50 CFR 172.163 (b) (87), 50 CFR 172.163 (b) (88), 50 CFR 172.163 (b) (89), 50 CFR 172.163 (b) (90), 50 CFR 172.163 (b) (91), 50 CFR 172.163 (b) (92), 50 CFR 172.163 (b) (93), 50 CFR 172.163 (b) (94), 50 CFR 172.163 (b) (95), 50 CFR 172.163 (b) (96), 50 CFR 172.163 (b) (97), 50 CFR 172.163 (b) (98), 50 CFR 172.163 (b) (99), 50 CFR 172.163 (b) (100).

REVISIONS



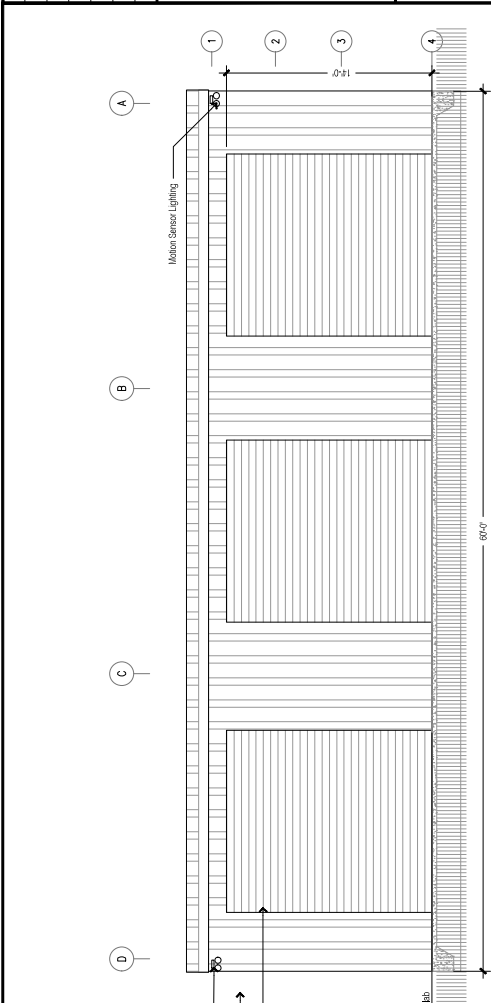
Edward C. Love
Architect
720 MILL STREET
HALF MOON BAY, CA 94019
(850) 728-7615
edward@eclovearchitect.com

Half Moon Grow Inc
Existing Conditions
37 Frenchmans Creek Rd.
Half Moon Bay, Ca. 94019

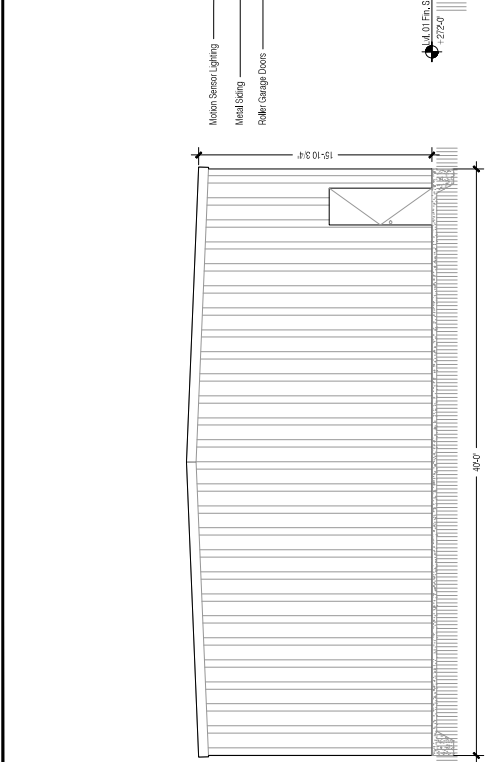


DATE: 03/01/19
SCALE: per drawing
DRAWN: rrc
PROJECT: 37FCH-PH01-AB
SHEET:

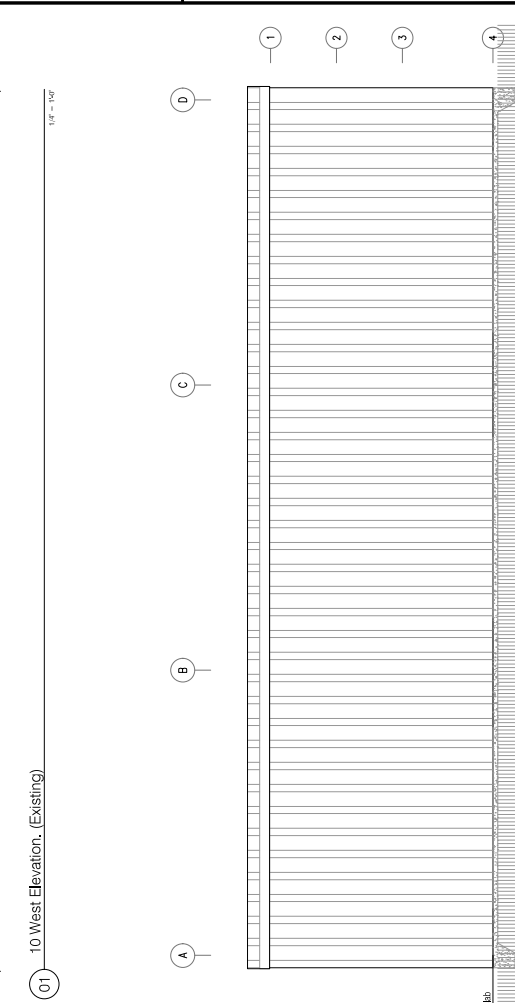
A201-10



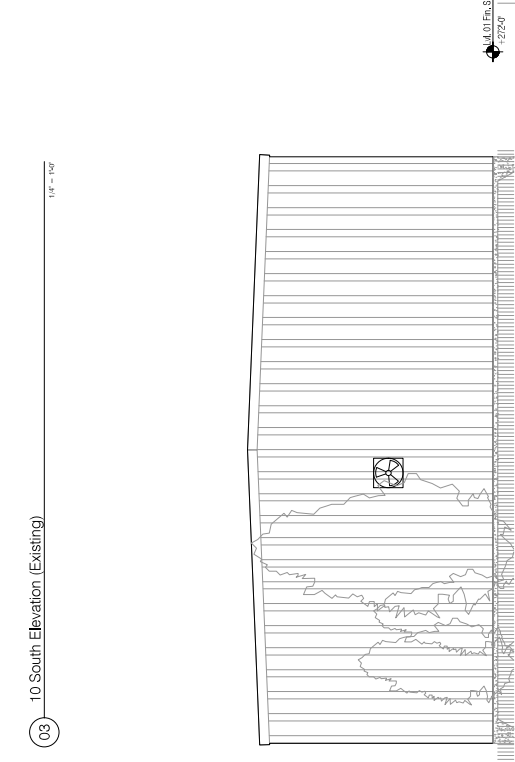
01 10 West Elevation (Existing)



03 10 South Elevation (Existing)



02 10 East Elevation (Existing)



04 10 North Elevation (Existing)

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF HALF MOON BAY ORDINANCES AND THE CALIFORNIA ARCHITECTURAL BOARD REGULATIONS. THE ARCHITECT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE BUILDING AND THE WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF HALF MOON BAY ORDINANCES AND THE CALIFORNIA ARCHITECTURAL BOARD REGULATIONS.



County of San Mateo - Planning and Building Department

ATTACHMENT C

October 8, 2018

Mike Schaller
County of San Mateo, Planning Division
455 County Center, 2nd Floor
Redwood City, CA 94063

Re: Biological Study for Loess Creek Grading Violation and Restoration Project Located at 37 Frenchman's Creek Road, in Half Moon Bay, San Mateo County, California.

Dear Mr. Bartoli,

The purpose of this letter is to provide a complete biological review of potential impacts associated completion of the proposed restoration plan update for the Lucky Star Ranch located at 37 Frenchman's Creek Road, in Half Moon Bay, California (Project Area) to support resolving an open grading violation associated with this property and the on-site Loess Creek tributary. For this purpose, a biological review was performed under the guidelines of the California Environmental Quality Act (CEQA) and the Local Coastal Plan (Mid-Coast LCP).

This report describes the results of the site assessment(s) for the presence of sensitive biological resources protected by local, state, and federal laws and regulations. This report also contains an evaluation of potential impacts to sensitive biological resources that may occur from the proposed project and recommended mitigation measures to compensate for those impacts as warranted. This assessment is based on information available at the time of the study and on-site conditions that were observed on the date of the site visit.

The Project Site is in a small valley approximately 1.25 miles from the coast, northeast of the town of Half Moon Bay, at 37 Frenchmans Creek Road, San Mateo County, California. The site is surrounded by open space primarily including chaparral habitat interspersed with stands of eucalyptus. It is located along Loess Creek, a seasonal tributary to Frenchmans Creek located to the southwest of the site. Much of Loess Creek was undergrounded sometime in the 1950s or 60s.

Background

An outstanding grading violation results from collapse of an underground culvert pipe in 1997/98 and subsequent rerouting and daylighting of the water without required permits from the County

(or state). In addition, further channel modifications and grading were performed in 1999, also without permits to address land sliding in the area. An injunction was filed by the District Attorney, and a Stipulated Judgment (Judgement) was agreed to in 2001.

The terms of the Judgment required implementation of the Loess Creek Riparian Habitat Restoration Conceptual Design prepared by H.T. Harvey in July 2001 and that a detailed restoration plan also be prepared for approval by California Regional Water Quality Control Board (RWQCB) and implemented, with monitoring and maintenance to be performed for a minimum of five years thereafter. A detailed restoration plan was prepared by LSA Associates in 2003 to further describe the planned improvements outlined in the 2001 plan. The 2003 Plan was submitted to RWQCB for comment as part of the Notice of Intent to Adopt Negative Declaration (MND) filed by the County in 2006. However, the MND was never fully adopted and thus, the violation remains outstanding. Furthermore, it has been described that the owner proceeded with implementation of the plan on his own without permits from the state or federal agencies. However, the Judgment does describe that the owner may implement the plan with any persons and equipment qualified to undertake and complete the work.

Work that appears to have been completed includes the channel realignment (per the 2003 plan), culvert inlet and outfall reinforcements, creation of a plunge pool at the culvert outfall (now filled in with sediment), and in-channel revegetation of riparian species (e.g. willows). In addition, while the biotechnical slope repair work does not appear to have been completed, there is evidence of willows being planted that may have been an attempt to create a plunge pool. However, hydrology at the location the plunge pool was proposed is not likely to support standing water. Impenetrable vegetation at this location prevented us from evaluating further.

Work not completed includes the toe of slope repairs, construction of an off-channel wetland basin at the upper reach, and construction of a deep floodplain terrace adjacent to the middle reach. It appears that the wetland basin may have been constructed sometime in the early 2000s based on review of aerial images; however, the appearance of a hoop house at this location in 2009 indicates it is no longer present or functioning as a wetland. It is unclear whether hydrology and/or soil types would support a wetland basin at this location presently. Instead, the formation of a perennial marsh that is now evident at the location of the collapse appears to meet the functional goals of the proposed wetland basin.

Lastly, the 2001 plan details construction of a 2-year flood event floodplain terrace, while the 2003 plan details a much larger, deeper floodplain to attenuate high flow storm events. Both plans seem to rely on the assumption that Loess Creek is a perennial stream. However, the diversion of flow into middle reach does not capture all the previous flows as evidenced by the absence of any water in either the upper and middle reaches in the summer months compared with the presence of water draining into the pipe at the location of the collapse. Similarly, it is probable that if the site was evaluated in the winter of 2003, flow conditions would have been at their peak. Likewise, in the Half Moon Bay region, the 2002-2003 rainfall season was above normal compared with statewide averages and flows in Loess Creek were likely much higher than

current conditions following the recent drought. Based on current conditions, it is highly unlikely that the proposed floodplain would receive enough flow (even periodic) to support riparian vegetation at this location. Therefore, it is recommended this aspect of the plan not be pursued further.

In summary, all the restoration goals set forth in the 2001 plan appear to have been achieved except for:

- creation of a lower floodplain (no longer recommended),
- eradication of invasive non-native plant species including pampas grass from the upper reach and minimization of future invasion of pampas grass and English ivy from the restored reaches, and
- increase adjacent slope stability through revegetation of coastal scrub habitat on nearby bare slopes.

Following a review of the site and current conditions, the project team determined that to meet the above remaining restoration goals, toe of slope repairs as previously proposed in the 2003 plan are still needed but with some redesign to better capture surface runoff. In addition, invasive plant species removal is still necessary, particularly the removal of pampas grass adjacent to the upper reach and both pampas grass and English ivy which have colonized parts of the middle reach in recent years.

Consultation History

As previously stated, it is unclear whether federal or state permits were obtained prior to implementation of the 2003 Restoration Plan. A review of available documentation and contact with the RWQCB Enforcement Division reveal the following permits have been issued:

- A 2005 Section 401 Certification issued by the RWQCB with requirement to submit technical reports.
- A 2015 Section 401 Certification from the RWQCB and a Section 1602 Streambed Alteration Agreement from California Department of Fish and Wildlife (CDFW) for the Replacement of a Water Diversion Intake System on Frenchmans Creek.

Presumably, the 2005 Section 401 may have been issued for the restoration project but confirmation from RWQCB in progress. However, no evidence of a Section 1602 is on record with CDFW. It is unknown whether a U.S. Army Corps of Engineers (ACOE) permit was ever obtained. Furthermore, there is no evidence to support that technical reports required under the 401 were submitted.

An updated restoration plan was submitted to the ACOE and RWQCB on July 30, 2018 to request concurrence that additional permits are not needed to implement the remaining objectives. An electronic copy of the request was sent via email to RWQCB on September 4, 2018 per the

assigned regulator's request (Katie Hart). A Section 1602 Streambed Alteration Agreement Notification was also subsequently submitted to the California Department of Fish and Wildlife on September 20, 2018. Confirmation of receipt and assignment to Randi Adair was made on September 24, 2018 and the application is now under review.

Several attempts to contact the RWQCB and the ACOE were made in August and September. On October 1, 2018, Brian Thompson from the RWQCB Enforcement Division was contacted to determine whether information regarding the violation is available on file, including the possibility of unpaid penalties or other outstanding items. No outstanding penalties were found; Brian confirmed the only records associated with the property include the 2005 and 2015 Certifications with requirements listed above. On October 5, 2018 I spoke with Katie Hart of RWQCB. She requested copies of both the 2001 and 2003 plans and a map clearly depicting daylighted portions of the stream compared with underground portions. This information was subsequently submitted on October 8. She agreed to provide comments once the MND is recirculated. No response from ACOE has been received to date; however, Bryan Matsumoto from the ACOE San Francisco District informally commented that any requests for concurrence that no permit is needed have the lowest priority for review currently at the District.

Project Description

A restoration plan update was prepared on February 7, 2018 by Sol Ecology with recommendations for enhancing habitat to resolve the current violation. These actions include: 1) invasive plant species removal from riparian habitats along the newly created channel (Stream 1) and historic channels (Stream 2 and 3); and 2) slope improvements along the existing upper roadway to stabilize the above roadway and water tank storage area to prevent potential land sliding into the channel and/or associated riparian habitat.

Invasive Plant Removal

In-stream riparian vegetation in both the newly created channel and historic channel is largely native; however, invasive plant management is recommended in areas in or adjacent to riparian habitats to ensure conditions remain conducive to native flora and fauna. Where accessible, poison hemlock, fennel, pampas grass and other invasive plants located on top of the channel banks will be removed annually in the late spring or summer using manual methods including use of hand tools such as a Pulaski, mattock, or shovel. Pampas grass is best removed using a small backhoe to remove the roots, which can resprout. For this reason, removal will only be performed outside of the channel to avoid potential discharge of soil or plant materials. Alternatively, removal using a Pulaski or mattock may be attempted. To prevent resprouting, the entire crown and top section of the roots will be removed. Detached plants will be removed from the site to prevent seeding or resprouting; plants will be transported in bags and disposed at an off-site facility. No herbicides will be used.

No work is proposed to occur below the top of bank or ordinary high-water line within any jurisdictional waterway, except for one approximately 25-linear foot section of channel where English ivy will be removed using hand tools only. No fill or other disturbance to the channel banks will occur. Manual methods including pruners and hand pulling will be used to remove ivy, with care taken to ensure all plant parts are completely removed from the site to prevent re-sprouting. Work will be performed at the end of the rainy season in late spring or early summer to allow for areas to reseed naturally prior to seasonal storm flows, which can destabilize or erode banks. In areas where invasive species form complete cover, some cover will be left to prevent destabilization of slopes. Work within the channel will only be performed when the channel is dry (late summer to early fall).

Slope Improvements

The existing roadway leading to the water storage tanks will be improved to prevent land sliding and improve drainage. To redirect runoff from the existing slope the existing swale or v-ditch will be redefined to a width of 12 feet and 3 feet in depth. A 12-inch HDPE pipe will be placed at the downslope end with an inlet lined in rip-rap and rock dissipator at the outlet in lieu of a plunge pool. Fiber rolls will be installed along the slope to further slow water down and to ensure no direct runoff enters the stream located further below. Invasive pampas grass will be removed from the existing roadway and from the toe of slope. The slope and roadway will then be replanted with native shrub species. Recommended species for this area includes: coyote brush (*Baccharis pilularis*), coffeeberry (*Rhamnus californica*) and/or blueblossom (*Ceanothus thyrsiflorus*). Existing native species will be preserved.

Monitoring Plan

A period of 3 years of monitoring and adaptive management is recommended to target removal of invasive plant species. Target cover for species including English ivy, and poison hemlock is less than 20 percent at the end of the 3-year period and less than 5 percent pampas grass in treated areas. Planted areas will also be monitored for a period of 3 years; a final report at the end of the 3 years will be submitted to the County. Success criteria for revegetated areas along the slope is 80 percent of shrub cover be native by the end of the 3-year period.

Methods

Following the preliminary investigation on January 30, 2018, a follow up site visit was conducted on July 5, 2018 to map potentially jurisdictional features including wetlands and waters on the site. A formal delineation was not performed due to accessibility; in lieu of a formal wetland delineation, potential waters of the U.S. and state (including wetlands) were mapped based on the presence of hydrological indicators primarily including unvegetated, ponded areas or flowing water, or evidence indicating their presence such as a high-water mark or a defined drainage course.

Sensitive communities were identified following A Manual of California Vegetation, Online Edition and includes California Wildlife Habitat Relationships (CWHR) habitat classifications. The Project Site was also surveyed to determine if any coastal wetland (one-parameter rule) is present. Coastal wetlands are defined as an area where the water table is at, near, or above the land surface long enough to bring about the formation of hydric soils or to support the growth of plants which normally are found to grow in water or wet ground (also known as hydrophytic); in either case, hydrology must be present also. Hydrophytic plants commonly found in wetlands in San Mateo County include: cordgrass, pickleweed, jaumea, frankenia, marsh mint, tule, bullrush, narrow-leaf cattail, broadleaf cattail, pacific silverweed, salt rush, and bog rush. To qualify, a wetland must contain at least a 50% cover of some combination of these or other obligate plants, unless it is a mudflat. A preliminary waters assessment was based on the presence of unvegetated, ponded areas or flowing water, or evidence indicating their presence such as a high-water mark or a defined drainage course.

Further examination was also performed to identify whether the property (including Loess Creek) may support special status plants or animal species known to occur in similar habitats within the Frenchman's Creek watershed and surrounding area. Habitat elements examined included: soil type, elevation, vegetation community, dominant plant species, dispersal habitat or migration corridors, foraging habitat (or space), refugia or estivation habitat, and breeding (or nesting) habitat. Resources reviewed included the following:

- California Natural Diversity Database (CNDDDB) records (CDFW 2018)
- U.S Fish and Wildlife Service (USFWS) Information for Planning and Conservation Species Lists (USFWS 2018)
- California Native Plant Society (CNPS) A Manual of California Vegetation, online Edition (CNPS 2018a)
- CNPS Inventory records (CNPS 2018b)
- CDFG publication "California's Wildlife, Volumes I-III" (Zeiner et al. 1990)
- CDFG publication *California Bird Species of Special Concern* (Shuford and Gardali 2008)
- CDFW and University of California Press publication *California Amphibian and Reptile Species of Special Concern* (Thomson et al. 2016)
- *A Field Guide to Western Reptiles and Amphibians* (Stebbins 2003)

Results

Existing Conditions

Biological communities present on the Project Site were classified based on existing plant community descriptions described in the California Native Plant Society Online Manual of California Vegetation (CNPS 2018) and the California Wildlife Habitat Relationships System Online Guide (CDFG 2018). However, in some cases it is necessary to identify variants of community types or to describe non-vegetated areas that are not described in the literature. Biological

communities were classified as sensitive or non-sensitive as defined by CEQA, the local coastal plan, and other applicable laws and regulations.

Soils at the site are mapped as Miramar coarse sandy loam, Farrallone coarse sandy loam, and Gullied Land (alluvial soil material). The Miramar and Farrallone series consist of moderately deep, well drained soils that formed in material weathered from quartz diorite. These soil types are found on coastal hills and mountains with slopes between 9 to 75 percent, at elevations between 200 to 2,000 feet. Farrallone soil is typically found on floodplains and is classified prime farmland if irrigated. Typical vegetation includes coastal shrubs such as monkey flower, sage, and poison oak. Elevations at the Project Site range from 150 feet to 400 feet (45 to 120 meters).

Vegetation on the Project Site consists of disturbed ruderal grassland and ornamental varieties present in the developed portions of the site primarily. Surrounding vegetation consists of mixed chaparral dominated by shrub species including: coyote brush (*Baccharis pilularis*), coffeeberry (*Rhamnus californica*), blue blossom (*Ceanothus thyrsiflorus*), and poison oak (*Toxicodendron diversilobum*). Common wildlife species in these habitats include: Botta's pocket gopher (*Sceloporus occidentalis*), deer mouse (*Peromyscus maniculatus*), song sparrow (*Melospiza melodia*), wrenit (*Chamaea fasciata*), spotted towhee (*Pipilo maculatus*), and western fence lizard (*Sceloporus occidentalis*).

Sensitive Communities

Willow Riparian Scrub

Arroyo willow (*Salix lasiolepis*) vegetation alliance is present along daylighted portions of Loess Creek both above and below the Project Site. This sensitive community forms a nearly impenetrable thicket along the creek. Other plant species present in this community include: California blackberry (*Rubus ursinus*), white alder (*Alnus rhombifolia*), horsetail (*Equisetum spp.*), sedges (*Carex spp.*), Pacific dogwood (*Cornus nuttalli*), Pacific wax myrtle (*Myrica californica*), and western sword fern (*Polystichum munitum*), as well as invasive species including English ivy (*Hedera helix*), fennel (*Foeniculum vulgare*), and poison hemlock (*Conium maculatum*). Riparian scrub communities provide a good food and nesting habitat source for birds, mammals, and reptiles, and refuge for dispersal.

All of Loess Creek is considered jurisdiction under Sections 404 and 401 of the Clean Water Act (Federal and State). Approximately 2,000 linear feet of Loess Creek is daylighted on the project site. Loess Creek is an intermittent stream as evidenced by the absence of flowing water nor any standing water or pools during the July 2018 site visit.

Perennial Wetland (Man-Made)

An approximately 0.6-acre perennial wetland is present in the center of the Project Site (Attachment A, Figure 2). This low-lying feature appears to be the result of man-made modifications including the discharge of steam from the adjacent boiler plant and the collapse of the underground pipe in 1998. Historical photographs suggest this feature was not present prior

to the pipe collapse in 1998 and thus, this feature does appear to be man-made. The wetland was characterized by a mix of sedges (*Carex* spp), rush (*Juncus* spp), and seep monkeyflower (*Mimulus guttatus*). A small channel is also present receiving water from an unknown source. The tributary was surrounded by riparian species including willow (*Salix* spp), white alder (*Alnus rhombifolia*), Pacific dogwood (*Cornus nuttalli*), and Pacific wax myrtle (*Myrica californica*). This feature is more than 50 feet from the nearest structure.

A small seasonal wetland (0.002 acre) is also present in the same area (Attachment A, Figure 2).

Special Status Plants

Special-status species include those plants and wildlife species that have been formally listed, are proposed as endangered or threatened, or are candidates for such listing under the Federal Endangered Species Act (ESA) or California Endangered Species Act (CESA). These acts afford protection to both listed species and those that are formal candidates for listing. Plant species on the California Native Plant Society (CNPS) Rare and Endangered Plant Inventory (Inventory) with California Rare Plant Ranks (CRPR or Rank) of 1 and 2 are also considered special-status plant species and must be considered under CEQA.

Based upon a review of the resources and databases given in Section 2.1, 27 special-status plant species have been documented within a five-mile radius of the Project Site (Attachment A, Figure 3 and Attachment B). Based on the presence of biological communities described above and soils at the site, as well as recent site disturbance the Project Site has a low to moderate potential to support five (5) species: Kellogg's horkelia (*Horkelia cuneate* ssp. *sericea*) - California Rare Plant Rank (CRPR) 1B.1., arcuate bush-mallow (*Malacothamnus arcuatus*) - CRPR 1B.2., Choris' popcornflower (*Plagiobothrys chorisianus* var. *chorisianus*) - CRPR 1B.2., chaparral ragwort (*Senecio aphanactis*) - CRPR 2B.2., and San Francisco campion (*Silene verecunda* ssp. *verecunda*) - CRPR 1B.2. All five of these species may be present in surrounding chaparral habitat, including adjacent to the roadway and slope improvement area.

Special Status Wildlife

In addition to wildlife listed as federal or state endangered and/or threatened, federal and state candidate species, CDFW Species of Special Concern, CDFW California Fully Protected species, USFWS Birds of Conservation Concern, and CDFW Special-status Invertebrates are all considered special-status species. Although these species generally have no special legal status, they are given special consideration under CEQA. The federal Bald and Golden Eagle Protection Act also provides broad protections to both eagle species that are roughly analogous to those of listed species. Bat species are also evaluated for conservation status by the Western Bat Working Group (WBWG), a non-governmental entity; bats named as a "High Priority" or "Medium Priority" species for conservation by the WBWG are typically considered special-status and considered under CEQA; bat roosts are protected under CDFW Fish and Game Code. In addition to regulations for special-status species, most native birds in the United States (including non-status

species) are protected by the federal Migratory Bird Treaty Act of 1918 (MBTA) and the California Fish and Game Code (CFG), i.e., sections 3503, 3503.5 and 3513. Under these laws, deliberately destroying active bird nests, eggs, and/or young is illegal.

Seventeen (17) special-status wildlife species have been documented within five miles of the Project Site (Attachment A, Figure 4). Based on the presence of biological communities described above, the Project Site has a moderate to high potential to support four (4) of these species including: Monarch butterfly (*Danaus plexippus*) - Species of Local Concern; California red-legged frog (CRLF; *Rana draytonii*) - Federal Threatened Species, CDFW Species of Special Concern (SSC); San Francisco (saltmarsh) common yellowthroat (*Geothlypis trichas sinuosa*) - USFWS Bird of Conservation Concern, CDFW SSC; and San Francisco dusky-footed woodrat (*Neotoma fuscipes annectens*) - CDFW SSC.

San Francisco garter snake (SFGS; *Thamnopsis sirtalis tetrataenia*) is also documented in Frenchman's Creek but is unlikely to occur on the site due to the large drop outfall located downstream at the confluence with Frenchman's Creek. Topography at this outfall combined with the approximately 500 feet of undergrounding Loess Creek experiences before daylighting likely precludes most SFGS from moving upstream into habitats on the project site. The outfall is also a barrier to migrating fish, including protected steelhead known to occur in Frenchman's Creek.

There are numerous documented occurrences of CRLF both in Frenchman's Creek and the surrounding vicinity, and the species likely breeds in Frenchman's Creek. However, due to the seasonal nature of Loess Creek it is unlikely that CRLF breed here. While water was observed in the perennial wetland, this feature is not likely to provide breeding habitat due to the absence of open water habitat. A few small step-pools were observed elsewhere in Loess Creek; however, none were deep enough to provide suitable breeding habitat and no water was present during the July 5 site visit. Few aquatic invertebrates were seen due lack of cobble substrate and thus, Loess Creek does not provide ideal foraging habitat for most amphibians. Based on this, adult CRLF may disperse into Loess Creek and its associated riparian habitat at the end of the wet season; though it's likely CRLF do not remain in Loess Creek during the summer when work is proposed and may instead disperse back into Frenchman's Creek or move further into surrounding upland habitats where perennial water sources (stockpond and springs) are present.

There are several special status birds that may also be present and/or nest in the riparian habitat, including: saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*). This species is also documented in Frenchman's Creek and either species may utilize willow riparian habitat on the property. Special status San Francisco dusky-footed woodrat may also utilize willow riparian habitat or chaparral on the Project Site; though no stick houses have been observed during any of the site visits.

Lastly, one special status invertebrate, Monarch butterfly (*Danaus plexippus*) may potentially winter roost in trees located on the property. A winter roost site is documented within one mile

downstream on Frenchmans Creek near Highway 1. Suitable roost trees are present on the Project Site, though most are north-facing rather than south-facing. This species is unlikely to be affected by the proposed project.

Potentially Significant Impacts and Mitigation Measures

This section describes the existing environmental conditions in and near the Project Site and evaluates environmental impacts associated with the proposed project. The environmental checklist, as recommended in the CEQA Guidelines Appendix G, was used to identify environmental impacts that could occur if the proposed project is implemented.

Each of the environmental categories was fully evaluated, and one of the following four determinations was made for each checklist question:

“No Impact” means that no impact to the resource would occur as a result of implementing the project.

“Less than Significant Impact” means that implementation of the project would not result in a substantial and/or adverse change to the resource, and no mitigation measures are required.

“Less than Significant with Mitigation Incorporated” means that the incorporation of one or more mitigation measures is necessary to reduce the impact from potentially significant to less than significant.

“Potentially Significant Impact” means that there is either substantial evidence that a project-related effect may be significant, or, due to a lack of existing information, could have the potential to be significant.

IV. BIOLOGICAL RESOURCES — Would the project:	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

IV. BIOLOGICAL RESOURCES — Would the project:	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.1.1 Discussion of Impacts

a) ***Less than Significant with Mitigation Incorporated.***

The proposed project site provides habitat for five special status plant species and four special status wildlife (including one federal threatened species: California red-legged frog). Potentially significant impacts to special status plants include direct mortality if present during toe of slope improvement. Invasive plant removal is not likely to impact any special status plants. Potentially significant impacts to California red-legged frog (CRLF) include mortality and/or harassment if present during the performance of any ground disturbing activity or operation of heavy equipment associated with weed removal and/or toe of slope improvements. Additionally, work during the nesting season for migratory and special status birds has the potential to affect reproduction in these species, which is considered a significant impact under CEQA. No impacts to San Francisco dusky-footed woodrat or monarch butterfly are expected.

Implementation of the following measures will reduce any potential impacts to special status plants and wildlife to a less than significant level:

1. A pre-construction survey for special status plants (Kellogg's horkelia, arcuate bush mallow, Choris' popcorn flower, chaparral ragwort, and San Francisco campion) should be performed in any area where ground-disturbing activities are proposed (including pampas grass removal). Surveys should be performed during the appropriate blooming period (in April). If found, the species should be demarcated with orange construction fencing and completely avoided. If avoidance is not possible, a translocation plan should be prepared and submitted to the County of San Mateo prior to the start of activities to ensure potentially significant impacts to special status plants are avoided.
2. Ground disturbing activities including vegetation removal should be performed outside of the rainy season (between April 1 and October 31) to the extent practical. No work should be performed during or within 24 hours of a rain event resulting in greater than an inch of rain.
3. No work shall be performed within 30 minutes of sunrise or sunset to avoid the period when CRLF are most active.
4. An environmental training should be provided to all workers prior to the start of any activities regarding any sensitive biological resources (including CRLF or nesting birds). The training should include steps to identify and respond to a sighting, the laws and regulations protecting those resources, and consequences of non-compliance.
5. A pre-construction survey for CRLF shall be conducted prior to initiation of project activities within 48 hours of the start of ground disturbance activities (if between November 1 and April 1). Surveys are to be conducted by approved qualified biologist with experience surveying for each species. If CRLF is found on the project site it should be allowed to leave the area on its own. If the animal does not leave the area on its own, work shall remain halted and USFWS should be contacted. No handling of any frogs is allowable without written authorization from the USFWS via a biological opinion and incidental take permit.
6. If California red-legged frog is observed during pre-construction surveys or at any time during ground-disturbing activities, a biological monitor is recommended to be present until work in the affected area is completed.
7. Tightly woven fiber netting or similar material shall be used for erosion control or other purposes to ensure amphibian and reptile species do not get trapped. Plastic monofilament netting (erosion control matting), rolled erosion control products, or similar material shall not be used.
8. Vegetation removal activities should be initiated during the non-nesting season from September 1 to January 31 to the extent feasible. If work cannot be initiated during this period, then nesting bird surveys should be performed in suitable nesting habitat within 250 feet of the proposed work area.

a. If active nests are found, a no-disturbance buffer should be placed around the nest until young have fledged or the nest is determined to be no longer active by the biologist. The size of the buffer may be determined by the biologist based on species and proximity to activities but should generally be between 50 feet for songbirds and up to 250 feet for nesting raptors.

b) *Less than Significant with Mitigation Incorporated*

One sensitive vegetation community is present on the project site: willow riparian scrub, a riparian habitat. Slope improvements will completely avoid all sensitive communities on the site. Limited work is proposed within Loess Creek and its associated riparian scrub community, to remove a 25-linear foot section of English ivy, an invasive plant species. Potentially significant impacts to Loess Creek riparian habitat that may occur without mitigation include erosion of the existing channel bank.

The following measures will ensure no potentially significant impacts to riparian habitat and/or sensitive communities occur:

1. Orange construction fencing should be placed around all existing riparian vegetation (and/or wetland habitats) within 100 feet of proposed activities. Placement of exclusion fencing should be performed under the direction of a biologist to ensure complete avoidance of sensitive riparian habitat.
2. Stockpiling of materials, including portable equipment, vehicles and supplies (e.g., chemicals), will be restricted to the designated construction staging areas, exclusive of any riparian and wetland areas; refueling of any vehicles or equipment should be done at least 100 feet away from the creek.
3. An erosion and drainage control plan should be prepared to show how the transport and discharge of soil and pollutants from the project site will be minimized.
4. All work within the riparian corridor should be performed outside the rainy season or when water in the channel is not flowing.

c) *No Impact*

The proposed project will not result in any adverse effect on federally protected wetlands or waters as defined in Section 404 of the Clean Water Act through direct removal, filing, hydrological interruption or other means.

d) *Less than Significant Impact*

The proposed project will not create any dispersal barriers (permanent or temporary) that would interfere substantially with the movement of native resident or migratory fish or wildlife corridors or nursery sites. All work within Loess Creek will occur when water is not present. No native fish are present in Loess Creek due to downstream barriers.

e) No Impact

No tree removal is proposed as part of the proposed project and thus, no impact to tree preservation policies will occur. Because no ground-disturbing activities are proposed (except slope improvements), local coastal plan setbacks are not needed and thus, no conflict with the existing County coastal policies is anticipated.

f) No Impact

There are no adopted Habitat Conservation Plans or other local, regional, or state habitat conservation plan in the area.

Please do not hesitate to contact me with questions.

Respectfully,



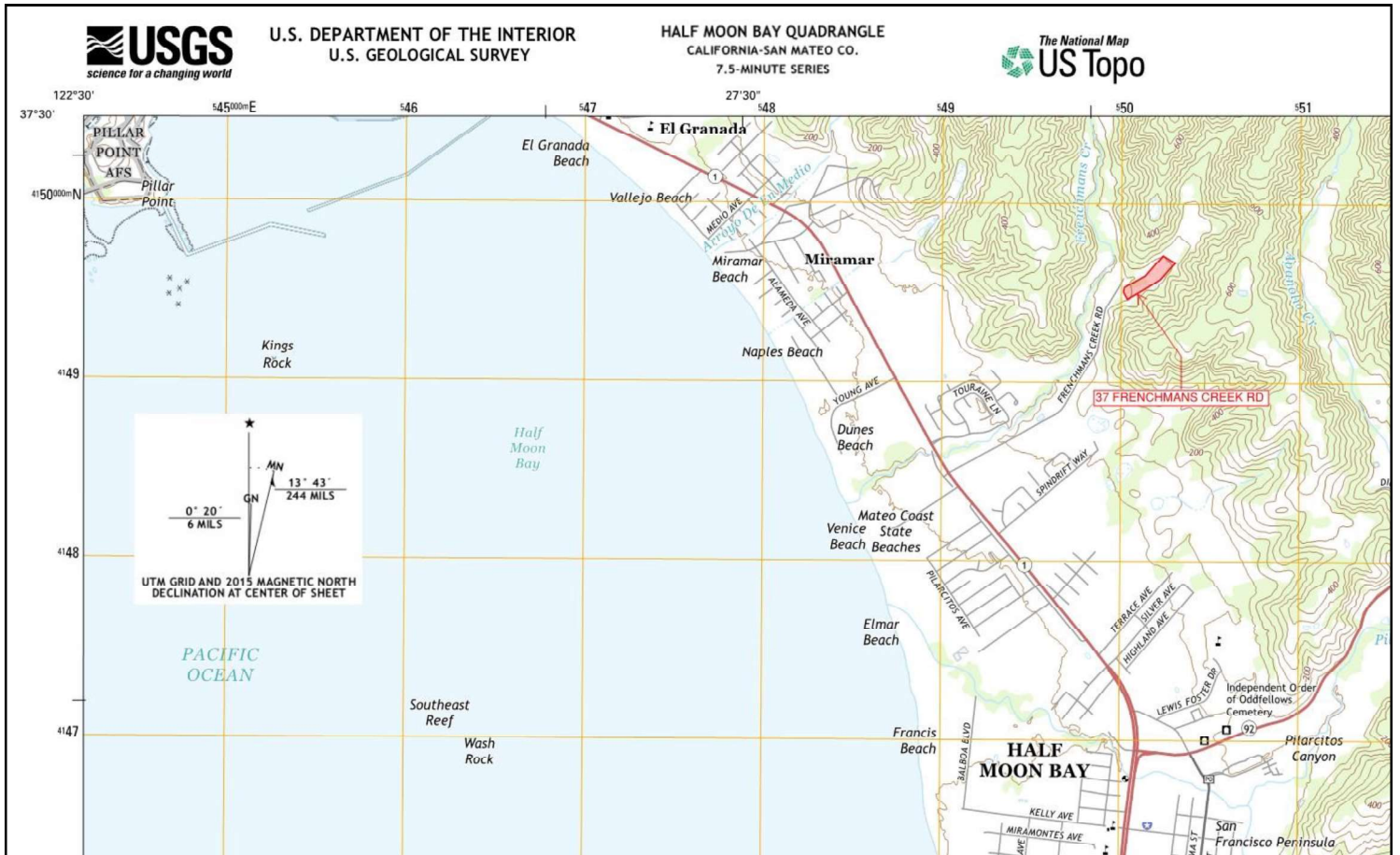
Dana Riggs, Principal Biologist
Sol Ecology, Inc.

Attachments:

- A – Project Figures: Site Location Map, Sensitive Communities, and CNDDDB Results
- B – CNDDDB and USFWS IPaC Database Results Within 5 Miles of the Project Site
- C – Species Potentials Table

Attachment C, Figure 1. Location Map

Lucky Star Farms, Half Moon Bay, CA



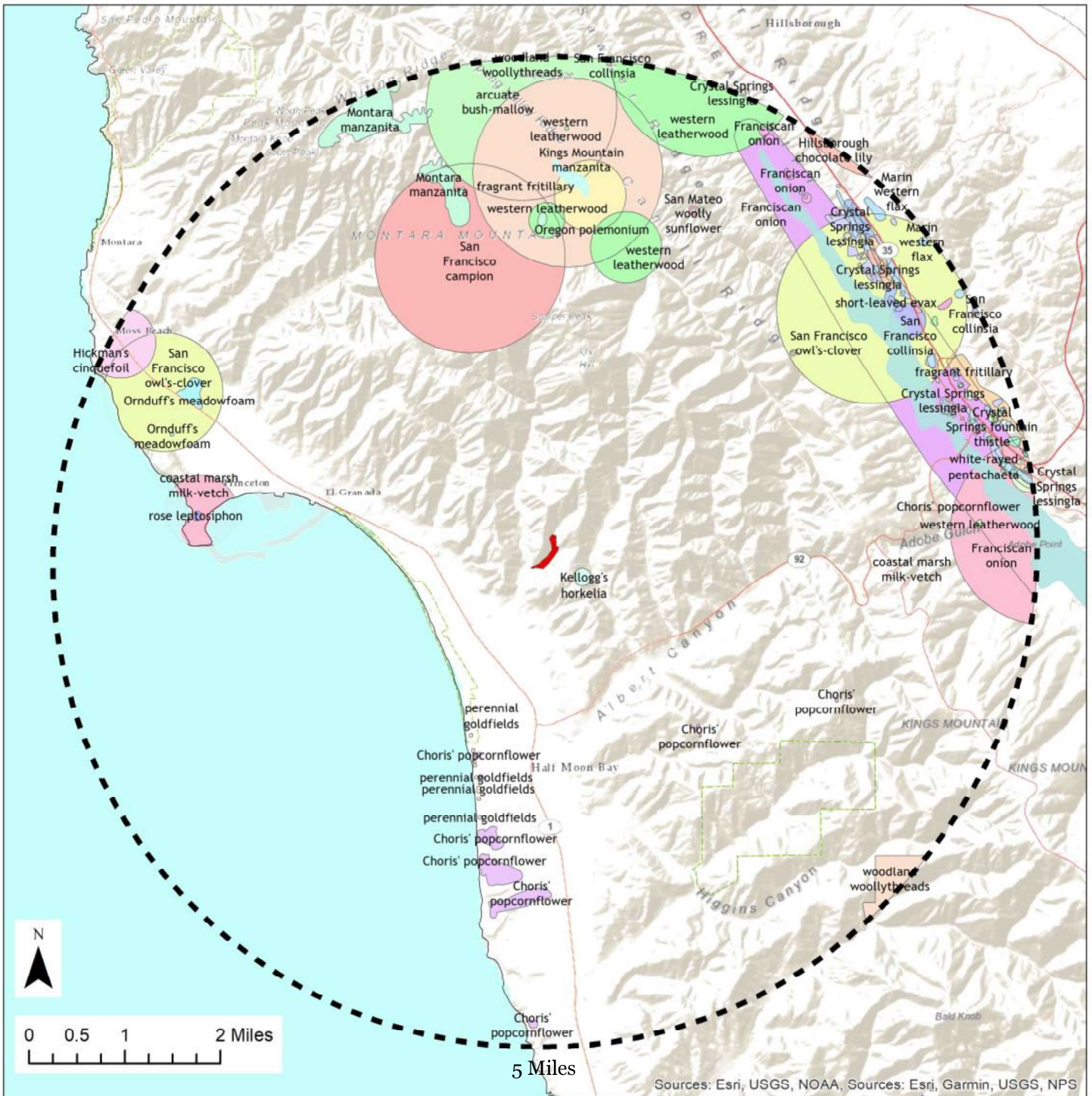
Attachment C, Figure 2: Areas Potentially Subject to Clean Water Act Jurisdiction

Lucky Star Farms, Half Moon Bay, CA



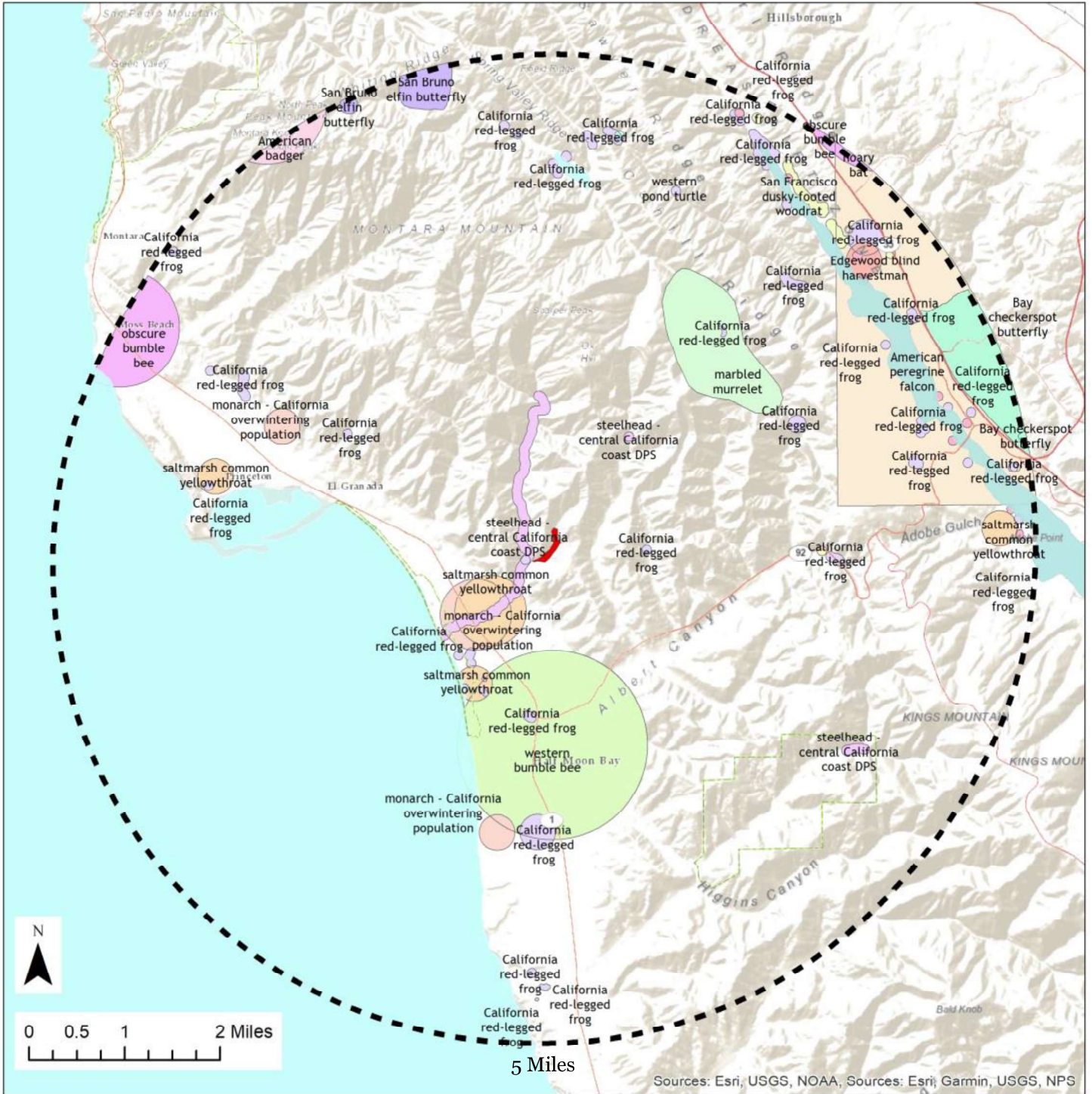
San Mateo Co. Streets	Potential Jurisdictional Waters	Potential Jurisdictional Wetlands
Survey Boundary	Stream 1 (1,134 Linear Ft.)	Perennial Wetlands (0.62 Acres)
	Stream 2 (298 Linear Ft.)	Seasonal Wetlands (0.018 Acres)
	Stream 3 (570 Linear Ft.)	
	Existing Channel	
	Stream	

Figure 3: Special Status Plant Species within 5 Miles of the Project Site
 Lucky Star Farms, Half Moon Bay, CA



5-Mile Buffer	Project Area	Hillsborough chocolate lily (2)	Kellogg's horkelia (1)	Kings Mountain manzanita (1)	San Francisco campion (1)	San Francisco collinsia (3)	coastal marsh milk-vetch (2)
Choris' popcornflower (6)	Crystal Springs fountain thistle (1)	Crystal Springs lessingia (4)	Franciscan onion (3)	Hickman's cinquefoil (1)	Ornduff's meadowfoam (2)	San Francisco owl's-clover (2)	perennial goldfields (1)
Crystal Springs lessingia (4)	Franciscan onion (3)	Hickman's cinquefoil (1)	Ornduff's meadowfoam (2)	bent-flowered fiddleneck (3)	white-rayed pentachaeta (1)	woodland woollythreads (2)	rose leptosiphon (1)
Montara manzanita (3)	Oregon polemonium (1)	arcuate bush-mallow (2)	western leatherwood (6)	white-rayed pentachaeta (1)	woodland woollythreads (2)		short-leaved evax (1)

Figure 4: Special Status Animal Species within 5 Miles of the Project Site
 Lucky Star Farms, Half Moon Bay, CA



Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

- | | | |
|---------------------------------|--|---|
| 5-Mile Buffer | California red-legged frog (33) | monarch - California overwintering population (3) |
| Project Area | Edgewood blind harvestman (1) | obscure bumble bee (2) |
| American badger (1) | San Bruno elfin butterfly (2) | saltmarsh common yellowthroat (4) |
| American peregrine falcon (1) | San Francisco dusky-footed woodrat (5) | steelhead - central California coast DPS (3) |
| Bay checkerspot butterfly (2) | hoary bat (1) | western bumble bee (1) |
| California giant salamander (1) | marbled murrelet (1) | western pond turtle (7) |
| | | western snowy plover (1) |



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria:

Quad

 IS (Half Moon Bay (3712244) OR Montara Mountain (3712254) OR San Mateo (3712253) OR San Gregorio (3712234) OR Woodside (3712243) OR La Honda (3712233)) AND Taxonomic Group IS Fish OR Amphibians OR Reptiles OR Birds OR Mammals OR Insects OR Mollusks OR Arachnids OR Crustaceans OR Insects OR Ferns OR Gymnosperms OR Monocots OR Dicots OR Lichens OR Bryophytes)

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Acanthomintha duttonii</i> San Mateo thorn-mint	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_UCBBG-UC Berkeley Botanical Garden	170 600	5 S:5	0	1	0	1	2	1	3	2	3	1	1
<i>Agrostis blasdalei</i> Blasdale's bent grass	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	50 50	58 S:1	0	0	0	1	0	0	1	1	1	0	0
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	G5T2 S2	None None	Rare Plant Rank - 1B.2	20 1,025	25 S:15	2	6	1	0	0	6	4	11	15	0	0
<i>Ambystoma californiense</i> California tiger salamander	G2G3 S2S3	Threatened Threatened	CDFW_WL-Watch List IUCN_VU-Vulnerable	400 400	1177 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	220 473	86 S:4	0	2	1	0	0	1	1	3	4	0	0
<i>Aneides niger</i> Santa Cruz black salamander	G3 S3	None None	CDFW_SSC-Species of Special Concern	534 1,487	78 S:3	0	0	0	0	0	3	2	1	3	0	0
<i>Antrozous pallidus</i> pallid bat	G5 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	40 420	415 S:4	0	0	0	0	0	4	4	0	4	0	0
<i>Arctostaphylos andersonii</i> Anderson's manzanita	G2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	950 950	58 S:2	0	0	0	2	0	0	1	1	2	0	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence			
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.		
<i>Arctostaphylos montaraensis</i> Montara manzanita	G1 S1	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture	1,000 1,500	4 S:3	2	0	1	0	0	0	0	0	1	2	3	0	0
<i>Arctostaphylos regismontana</i> Kings Mountain manzanita	G2 S2	None None	Rare Plant Rank - 1B.2	790 2,100	17 S:15	1	1	2	3	0	8	3	12	15	0	0	0	0
<i>Ardea herodias</i> great blue heron	G5 S4	None None	CDF_S-Sensitive IUCN_LC-Least Concern	5 5	154 S:1	0	0	0	0	0	1	1	0	1	0	0	0	0
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i> coastal marsh milk-vetch	G2T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden	10 500	25 S:9	0	5	1	0	0	3	3	6	9	0	0	0	0
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	5 5	1971 S:1	0	1	0	0	0	0	0	1	1	0	0	0	0
<i>Bombus caliginosus</i> obscure bumble bee	G4? S1S2	None None	IUCN_VU-Vulnerable	40 500	181 S:6	0	0	0	0	0	6	6	0	6	0	0	0	0
<i>Bombus occidentalis</i> western bumble bee	G2G3 S1	None None	USFS_S-Sensitive XERCES_IM-Imperiled	40 100	282 S:5	0	0	0	0	0	5	5	0	5	0	0	0	0
<i>Brachyramphus marmoratus</i> marbled murrelet	G3G4 S1	Threatened Endangered	CDF_S-Sensitive IUCN_EN-Endangered NABCI_RWL-Red Watch List	200 800	110 S:6	0	0	0	0	0	6	3	3	6	0	0	0	0
<i>Calicina minor</i> Edgewood blind harvestman	G1 S1	None None		400 560	2 S:2	0	0	0	0	0	2	2	0	2	0	0	0	0
<i>Callophrys mossii bayensis</i> San Bruno elfin butterfly	G4T1 S1	Endangered None	XERCES_CI-Critically Imperiled	600 1,320	10 S:4	2	0	0	0	0	2	2	2	4	0	0	0	0
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	G3T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	10 23	39 S:2	0	0	0	1	0	1	1	1	2	0	0	0	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extrap.	Extrap.
<i>Charadrius alexandrinus nivosus</i> western snowy plover	G3T3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	10 17	134 S:3	1	0	0	0	0	2	2	1	3	0	0
<i>Chloropyron maritimum ssp. palustre</i> Point Reyes salty bird's-beak	G4?T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	5 5	68 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Chorizanthe cuspidata var. cuspidata</i> San Francisco Bay spineflower	G2T1 S1	None None	Rare Plant Rank - 1B.2		17 S:1	0	0	0	0	1	1	0	0	1	0	0
<i>Cirsium andrewsii</i> Franciscan thistle	G3 S3	None None	Rare Plant Rank - 1B.2	200 450	31 S:2	0	0	0	0	2	1	1	1	2	0	0
<i>Cirsium fontinale var. fontinale</i> Crystal Springs fountain thistle	G2T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	400 600	5 S:3	0	1	1	0	1	0	1	2	2	1	0
<i>Collinsia multicolor</i> San Francisco collinsia	G2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	100 700	36 S:11	0	5	0	0	0	6	3	8	11	0	0
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	G3G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	190 2,170	626 S:7	0	0	0	1	0	6	2	5	7	0	0
<i>Danaus plexippus pop. 1</i> monarch - California overwintering population	G4T2T3 S2S3	None None	USFS_S-Sensitive	40 150	380 S:5	0	1	1	0	2	1	5	0	3	2	0
<i>Dicamptodon ensatus</i> California giant salamander	G3 S2S3	None None	CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	300 1,400	232 S:10	0	2	0	0	0	8	7	3	10	0	0
<i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat	G4T1 S1	None None		5 5	14 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Dirca occidentalis</i> western leatherwood	G2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	255 1,800	71 S:23	6	6	3	0	0	8	6	17	23	0	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extrtp.	Extrtp.	
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	280 949	1343 S:11	1	9	1	0	0	0	0	0	0	11	0	0
<i>Eriophyllum latilobum</i> San Mateo woolly sunflower	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	100 900	5 S:4	1	1	1	0	1	0	1	0	1	3	1	0
<i>Eucyclogobius newberryi</i> tidewater goby	G3 S3	Endangered None	AFS_EN-Endangered CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	15 20	127 S:2	0	1	0	0	0	1	0	0	2	0	0	0
<i>Euphydryas editha bayensis</i> Bay checkerspot butterfly	G5T1 S1	Threatened None	XERCES_CI-Critically Imperiled	300 640	30 S:4	0	1	0	0	3	0	0	0	3	1	2	1
<i>Falco columbarius</i> merlin	G5 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	65 65	36 S:1	0	1	0	0	0	0	0	0	1	1	0	0
<i>Falco peregrinus anatum</i> American peregrine falcon	G4T4 S3S4	Delisted Delisted	CDF_S-Sensitive CDFW_FP-Fully Protected USFWS_BCC-Birds of Conservation Concern	5 5	57 S:1	0	0	0	0	0	1	0	0	1	1	0	0
<i>Fissidens pauperculus</i> minute pocket moss	G3? S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	250 250	22 S:1	0	0	0	0	0	1	0	0	1	1	0	0
<i>Fritillaria biflora var. ineziana</i> Hillsborough chocolate lily	G3G4T1 S1	None None	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture	500 500	2 S:2	0	1	0	0	0	1	0	0	1	2	0	0
<i>Fritillaria liliacea</i> fragrant fritillary	G2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	295 800	82 S:7	0	5	0	0	0	2	0	0	5	7	0	0
<i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat	G5T3 S3	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	10 480	112 S:12	1	2	2	0	0	7	0	0	1	12	0	0
<i>Grindelia hirsutula var. maritima</i> San Francisco gumplant	G5T1Q S1	None None	Rare Plant Rank - 3.2	200 200	15 S:1	0	0	0	0	0	1	0	0	1	0	0	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Hesperavex sparsiflora</i> var. <i>brevifolia</i> short-leaved evax	G4T3 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	400 400	56 S:1	0	0	0	0	0	0	1	0	1	0	0
<i>Hesperolinon congestum</i> Marin western flax	G1 S1	Threatened Threatened	Rare Plant Rank - 1B.1 SB_RSABG-Rancho Santa Ana Botanic Garden	200 700	27 S:9	0	5	2	0	2	0	2	0	7	2	0
<i>Horkelia cuneata</i> var. <i>sericea</i> Kellogg's horkelia	G4T1? S1?	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	600 600	58 S:2	0	0	0	0	0	2	1	0	2	0	0
<i>Horkelia marinensis</i> Point Reyes horkelia	G2 S2	None None	Rare Plant Rank - 1B.2	300 300	36 S:1	0	0	0	0	0	1	0	1	0	0	0
<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	G2? S2?	None None		35 280	13 S:2	0	0	0	0	0	2	0	2	0	0	0
<i>Hypogymnia schizidiata</i> island tube lichen	G2 S1	None None	Rare Plant Rank - 1B.3	1,290 1,780	10 S:3	2	0	0	0	0	1	0	3	0	0	0
<i>Ischnura gemina</i> San Francisco forktail damselfly	G2 S2	None None	IUCN_VU-Vulnerable	26 75	7 S:2	0	0	0	0	0	2	1	0	2	0	0
<i>Lasturus cinereus</i> hoary bat	G5 S4	None None	IUCN_LC-Least Concern WBWG_M-Medium Priority		236 S:6	0	0	0	0	0	6	0	6	0	0	0
<i>Lasthenia californica</i> ssp. <i>macrantha</i> perennial goldfields	G3T2 S2	None None	Rare Plant Rank - 1B.2	40 350	59 S:4	0	1	1	1	0	1	0	4	4	0	0
<i>Lateralus jamaicensis coturniculus</i> California black rail	G3G4T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	5 5	303 S:1	0	0	0	1	0	0	1	0	1	0	0
<i>Leptosiphon croceus</i> coast yellow leptosiphon	G1 S1	None Candidate Endangered	Rare Plant Rank - 1B.1 SB_UCBBG-JC Berkeley Botanical Garden	50 50	1 S:1	0	0	0	1	0	0	0	1	1	0	0
<i>Leptosiphon rosaceus</i> rose leptosiphon	G1 S1	None None	Rare Plant Rank - 1B.1	70 70	31 S:4	0	1	0	0	2	1	2	2	2	2	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Lessingia arachnoidea</i> Crystal Springs lessingia	G2 S2	None None	Rare Plant Rank - 1B.2 SB_RSABG-Rancho Santa Ana Botanic Garden	300 550	11 S:8	2	2	1	0	0	0	3	0	8	0	0
<i>Lichnanthe ursina</i> bumblebee scarab beetle	G2 S2	None None		15 15	8 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Limnanthes douglasii</i> ssp. <i>ornduffii</i> Ornduff's meadowfoam	G4T1 S1	None None	Rare Plant Rank - 1B.1	30 50	2 S:2	0	0	0	0	1	1	0	2	1	1	0
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	G2Q S2	None None	Rare Plant Rank - 1B.2	10 700	30 S:10	0	1	1	1	1	6	5	5	9	0	1
<i>Melospiza melodia pusillula</i> Alameda song sparrow	G5T2? S2S3	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	10 42	38 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Microcina edgewoodensis</i> Edgewood Park micro-blind harvestman	G1 S1	None None		600 600	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Microseris paludosa</i> marsh microseris	G2 S2	None None	Rare Plant Rank - 1B.2	40 40	38 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Monolopia gracilens</i> woodland woollythreads	G3 S3	None None	Rare Plant Rank - 1B.2	640 675	57 S:6	0	1	0	0	0	5	3	3	6	0	0
<i>Myotis thysanodes</i> fringed myotis	G4 S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	500 500	86 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat	G5T2T3 S2S3	None None	CDFW_SSC-Species of Special Concern	270 522	34 S:7	0	2	0	0	0	5	0	7	7	0	0
<i>Nyctinomops macrotis</i> big free-tailed bat	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_MH-Medium-High Priority	150 150	32 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Oncorhynchus mykiss irideus</i> pop. 8 steelhead - central California coast DPS	G5T2T3Q S2S3	Threatened None	AFS_TH-Threatened	100 550	44 S:6	0	2	0	0	0	4	3	3	6	0	0



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extrap.	Extrap.
<i>Pentachaeta bellidiflora</i> white-rayed pentachaeta	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_UCBBG-JC Berkeley Botanical Garden	500 520	14 S:3	1	0	0	0	1	1	2	1	0	1	
<i>Phalacrocorax auritus</i> double-crested cormorant	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	30 30	39 S:1	0	0	0	0	1	1	1	0	0	0	
<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i> Choris' popcornflower	G3T1Q S1	None None	Rare Plant Rank - 1B.2	35 1,250	42 S:18	1	9	4	0	0	4	18	0	0	0	
<i>Plebejus icarioides missionensis</i> Mission blue butterfly	G5T1 S1	Endangered None	XERCES_CI-Critically Imperiled	500 700	14 S:2	0	0	0	0	2	2	2	0	0	0	
<i>Polemonium carneum</i> Oregon polemonium	G3G4 S2	None None	Rare Plant Rank - 2B.2		16 S:1	0	0	0	0	0	1	1	0	0	0	
<i>Potentilla hickmanii</i> Hickman's cinquefoil	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1	25 300	5 S:2	0	1	0	0	1	0	1	0	0	1	
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	G5T1 S1	Endangered Endangered	CDFW_FP-Fully Protected NABCI_RWL-Red Watch List	0 15	98 S:4	0	1	1	0	1	1	3	2	1	0	
<i>Rana boylei</i> foothill yellow-legged frog	G3 S3	None Candidate Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	370 370	2054 S:1	0	1	0	0	0	0	1	1	0	0	
<i>Rana draytonii</i> California red-legged frog	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	5 4,005	1497 S:70	10	23	14	0	0	23	70	59	0	0	
<i>Reithrodontomys raviventris</i> salt-marsh harvest mouse	G1G2 S1S2	Endangered Endangered	CDFW_FP-Fully Protected IUCN_EN-Endangered	2 2	144 S:1	0	0	0	0	0	1	1	0	0	0	
<i>Riparia riparia</i> bank swallow	G5 S2	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern		297 S:1	0	0	0	0	0	1	1	0	0	0	
<i>Senecio aphanactis</i> chappa rail ragwort	G3 S2	None None	Rare Plant Rank - 2B.2	640 640	82 S:1	0	0	0	0	0	1	1	0	0	0	
<i>Silene scouleri</i> ssp. <i>scouleri</i> Scouler's catchfly	G5T5 S2S3	None None	Rare Plant Rank - 2B.2	800 1,025	23 S:4	0	0	0	0	0	4	4	3	0	0	



Summary Table Report

California Department of Fish and Wildlife

California Natural Diversity Database



Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks							Population Status		Presence	
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Silene verecunda</i> ssp. <i>verecunda</i> San Francisco campion	G5T1 S1	None None	Rare Plant Rank - 1B.2	375 1,500	20 S:3	0	1	0	0	1	1	2	1	0	0	
<i>Speyeria zerene myrtilae</i> Myrtle's silverspot butterfly	G5T1 S1	Endangered None	XERCES CI-Critically Imperiled	20 60	17 S:3	0	0	0	0	3	0	0	0	0	3	
<i>Spirinichus thaleichthys</i> longfin smelt	G5 S1	Candidate Threatened	CDFW_SSC-Species of Special Concern	0 20	46 S:2	0	0	0	0	2	0	2	0	0	0	
<i>Taxidea taxus</i> American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	1,500 1,500	559 S:1	0	0	0	0	1	1	1	0	0	0	
<i>Thamnophis sirtalis tetrataenia</i> San Francisco gartersnake	G5T2Q S2	Endangered Endangered	CDFW_FP-Fully Protected	5 1,355	67 S:38	5	11	5	0	1	16	37	0	1	1	
<i>Trifolium hydrophilum</i> saline clover	G2 S2	None None	Rare Plant Rank - 1B.2		49 S:1	0	0	0	0	1	1	1	0	0	0	
<i>Triphysaria floribunda</i> San Francisco owl's-clover	G2? S2?	None None	Rare Plant Rank - 1B.2	5 450	50 S:5	0	0	0	0	1	4	4	0	1	1	
<i>Triquetrella californica</i> coastal triquetrella	G2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	1,180 1,180	13 S:1	0	0	0	0	1	0	1	0	0	0	
<i>Tryonia imitator</i> mimic tryonia (=California brackishwater snail)	G2 S2	None None	IUCN_DD-Data Deficient	3 40	39 S:2	0	1	0	0	1	1	2	0	0	0	
<i>Usnea longissima</i> Methusalem's beard lichen	G4 S4	None None	Rare Plant Rank - 4.2 BLM_S-Sensitive	590 590	206 S:1	0	0	0	0	1	0	0	1	0	0	

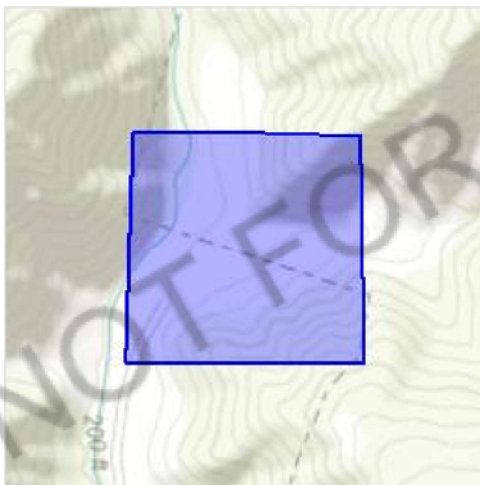
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

San Mateo County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📠 (916) 414-6713

Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME

STATUS

Salt Marsh Harvest Mouse *Reithrodontomys raviventris* Endangered
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/613>

Southern Sea Otter *Enhydra lutris nereis* Threatened
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/8560>
 Marine mammal

Birds

NAME	STATUS
California Clapper Rail <i>Rallus longirostris obsoletus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4240	Endangered
California Least Tern <i>Sterna antillarum browni</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8104	Endangered
Marbled Murrelet <i>Brachyramphus marmoratus</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/4467	Threatened
Short-tailed Albatross <i>Phoebastria (=Diomedea) albatrus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/433	Endangered
Western Snowy Plover <i>Charadrius nivosus nivosus</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/8035	Threatened

Reptiles

NAME	STATUS
Green Sea Turtle <i>Chelonia mydas</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6199	Threatened
San Francisco Garter Snake <i>Thamnophis sirtalis tetrataenia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5956	Endangered

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/2891	Threatened

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/321	Threatened
Tidewater Goby <i>Eucyclogobius newberryi</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/57	Endangered

Insects

NAME	STATUS
Mission Blue Butterfly <i>Icaricia icarioides missionensis</i> There is proposed critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/6928	Endangered
Myrtle's Silverspot Butterfly <i>Speyeria zerene myrtleae</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6929	Endangered
San Bruno Elfin Butterfly <i>Callophrys mossii bayensis</i> There is proposed critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/3394	Endangered

Flowering Plants

NAME	STATUS
Hickman's Potentilla <i>Potentilla hickmanii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6343	Endangered
San Mateo Woolly Sunflower <i>Eriophyllum latilobum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7791	Endangered

Attachment C. Table 1. Special Status Species Potentials Table for Loess Creek Restoration Project, Half Moon Bay, California

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
Plants			
San Mateo thorn-mint (<i>Acanthomintha duttonii</i>)	FE, SE, 1B.1	Serpentine. Chaparral and valley and foothill grassland. 50-300m elevation. Blooming period Apr-Jun.	No potential. Serpentine not present.
Blasdale's bent grass (<i>Agrostis blasdalei</i>)	1B.2	Coastal bluff scrub, coastal dunes, coastal prairie. 0-150m elevation. Blooming period May-Jun.	No potential. Habitat types are not present.
Franciscan onion (<i>Allium peninsulare</i> var. <i>franciscanum</i>)	1B.2	Clay, volcanic, often serpentine. Cismontane woodland, valley and foothill grassland. 52-305m elevation. Blooming period (Apr) May-Jun.	No potential. Habitat types are not present.
bent-flowered fiddleneck (<i>Amsinckia lunaris</i>)	1B.2	Coastal bluff scrub, cismontane woodland, valley and foothill grassland. 3-500m elevation. Blooming period Mar-Jun.	No potential. Habitat types are not present.
Anderson's manzanita (<i>Arctostaphylos andersonii</i>)	1B.2	Openings, edges, broadleaved upland forest, chaparral, North Coast coniferous forest. 60-70m elevation. Blooming period Nov-May.	Low potential. Only chaparral habitat present. Much of site disturbed and no manzanitas were observed on the Project Site.
Montara manzanita (<i>Arctostaphylos montaraensis</i>)	1B.2	Chaparral (maritime), coastal scrub. 80-500m elevation. Blooming period Jan-Mar.	Low potential. Much of site disturbed and no manzanitas were observed on the Project Site.
Kings Mountain manzanita (<i>Arctostaphylos regismontana</i>)	1B.2	Granitic or sandstone. Broadleaved upland forest, chaparral, North Coast coniferous forest. 305-730m elevation. Blooming period Dec-Apr.	No potential. Granitic soil not present, most habitat types not present. Project Site is below known elevation range for this species.
coastal marsh milk-vetch (<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>)	1B.2	Coastal dunes (mesic), coastal scrub, marshes and swamps (coastal salt, streamsides). 0-30m elevation. Blooming period (Apr) Jun-Oct.	No potential. Habitat types are not present, and site is above known elevation range.
pappose tarplant (<i>Centromadia parryi</i> ssp. <i>parryi</i>)	1B.2	Often alkaline. Chaparral, coastal prairie, meadows and seeps, marshes and swamps (coastal salt), valley and foothill grassland (vernally mesic). 0-420m elevation. Blooming period May-Nov.	Low potential. Although chaparral habitat is present, vernally mesic areas within this habitat are not present and site disturbance likely precludes this species.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
			This species was not observed during the July site visit.
Point Reyes salty bird's-beak (<i>Chloropyron maritimum</i> ssp. <i>palustre</i>)	1B.2	Marshes and swamps (coastal salt). 0-10m elevation. Blooming period Jun-Oct.	No potential. Habitat types are not present; site is not within known elevation range.
San Francisco Bay spineflower (<i>Chorizanthe cuspidata</i> var. <i>cuspidate</i>)	1B.2	Coastal bluff scrub, coastal dunes, coastal prairie, coastal scrub. 3-215m elevation. Blooming period Apr-Jul (Aug).	No potential. Habitat types are not present.
Franciscan thistle (<i>Cirsium andrewsii</i>)	1B.2	Mesic, sometimes serpentine. Broadleafed upland forest, coastal bluff scrub, coastal prairie, coastal scrub. 0-150m elevation. Blooming period Mar-Jul.	No potential. Habitat types are not present.
Crystal Springs fountain thistle (<i>Cirsium fontinale</i> var. <i>fontinale</i>)	FE, SCE, 1B.1	Serpentine seeps. Chaparral (openings), cismontane woodland, meadows and seeps, valley and foothill grassland. 45-175m elevation. Blooming period (Apr) May-Oct.	Low potential. Serpentine seeps, cismontane woodland, and valley grassland habitat types are not present. This species was not observed during July site visit.
San Francisco collinsia (<i>Collinsia multicolor</i>)	1B.2	Sometimes serpentine. Closed-cone coniferous forest, coastal scrub. 30-250m elevation. Blooming period (Feb) Mar-May.	No potential. Habitat types are not present.
western leatherwood (<i>Dirca occidentalis</i>)	1B.2	Mesic. Broadleafed upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, North Coast coniferous forest, riparian forest, riparian woodland. 25-425m elevation. Blooming period Jan-Mar(Apr).	Low potential. Mesic soils not present. Riparian and chaparral present, however most other habitat types not present. This species was not observed during January site visit.
San Mateo woolly sunflower (<i>Eriophyllum latilobum</i>)	FE, SCE, 1B.1	Cismontane woodland (often serpentine, on roadcuts), coastal scrub, lower montane coniferous forest. 45-330m elevation. Blooming period May-Jun.	No potential. Habitat types are not present.
minute pocket moss (<i>Fissidens pauperculus</i>)	1B.2	North Coast coniferous forest (damp coastal soil). 10-1024m elevation. No blooming period.	No potential. Habitat types are not present.
Hillsborough chocolate lily (<i>Fritillaria biflora</i> var. <i>ineziana</i>)	1B.1	Serpentine. Cismontane woodland, valley and foothill grassland. Blooming period Mar-Apr.	No potential. Habitat types are not present.
fragrant fritillary	1B.2	Often serpentine. Cismontane woodland, coastal	No potential. Habitat types are not present.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
<i>(Fritillaria liliacea)</i>		prairie, coastal scrub, valley and foothill grassland. 3-410m. Blooming period Feb-Apr.	present.
San Francisco gumpplant (<i>Grindelia hirsutula</i> var. <i>maritima</i>)	3.2	Sandy or serpentine. Coastal bluff scrub, coastal scrub, valley and foothill grassland. 15-400m elevation. Blooming period Jun-Sep.	No potential. Habitat types are not present.
short-leaved evax (<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i>)	1B.2	Coastal bluff scrub (sandy), coastal dunes, coastal prairie. 0-215m elevation. Blooming period Mar-Jun.	No potential. Habitat types are not present.
Marin western flax (<i>Hesperolinon congestum</i>)	FT, ST, 1B.1	Serpentine. Chaparral, valley and foothill grassland. 5-370m elevation. Blooming period Apr-Jul.	No potential. Serpentine not present.
Kellogg's horkelia (<i>Horkelia cuneate</i> var. <i>sericea</i>)	1B.1	Sandy or gravelly, openings. Closed-cone coniferous forest, chaparral (maritime), coastal dunes, coastal scrub. 10-200m elevation. Blooming period Apr-Sep.	Moderate potential. Chaparral habitat is present, however much of site is disturbed.
Point Reyes horkelia (<i>Horkelia marinensis</i>)	1B.2	Sandy. Coastal dunes, coastal prairie, coastal scrub. 5-755m elevation. Blooming period May-Sep.	No potential. Habitat types are not present.
island tube lichen (<i>Hypogymnia schizidiata</i>)	1B.3	On bark and wood of hardwoods and conifers. Closed-cone coniferous forest, chaparral. 360-405m elevation. Blooming period N/A.	No potential. Chaparral present, however site is below the known elevation range for this species.
perennial goldfields (<i>Lasthenia californica</i> ssp. <i>macrantha</i>)	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub. 5-520m elevation. Blooming period Jan-Nov.	No potential. Habitat types are not present.
coast yellow leptosiphon (<i>Leptosiphon croceus</i>)	1B.1	Coastal bluff scrub, coastal prairie. 10-150m elevation. Blooming period Apr-Jun.	No potential. Habitat types are not present.
rose leptosiphon (<i>Leptosiphon rosaceus</i>)	1B.1	Coastal bluff scrub. 0-100m elevation. Blooming period Apr-Jul.	No potential. Habitat types are not present.
Crystal Springs lessingia (<i>Lessingia arachnoidea</i>)	1B.2	Serpentine, often roadsides. Cismontane woodland, coastal scrub, valley and foothill grassland. 60-200m. Blooming period Jul-Oct.	No potential. Serpentine not present.
Ornduff's meadowfoam (<i>Limnanthes douglasii</i> ssp. <i>ornduffii</i>)	1B.1	Agricultural fields. Meadows and seeps. 10-20m. Blooming period Nov-May.	No potential. Habitat types are not present.
arcuate bush-mallow	1B.2	Chaparral. Cismontane woodland. 15-355m. Blooming	Moderate potential. Chaparral present,

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
<i>Malacothamnus arcuatus</i>		period Apr-Sep.	however much of site is disturbed.
marsh microseris (<i>Microseris paludosa</i>)	1B.2	Closed-cone coniferous forest, cismontane woodland coastal scrub, valley and foothill grass. 5-355m elevation. Blooming period Apr-Jun (Jul).	No potential. Habitat types are not present.
woodland woollythreads (<i>Monolopia gracilens</i>)	1B.2	Serpentine. Broadleaved upland forest (openings), chaparral (openings), cismontane woodland, North Coast coniferous forest (openings), and valley and foothill grassland. 100-1200m elevation. Blooming period (Feb)Mar-Jul.	No potential. Serpentine soils not present.
white-rayed pentachaeta (<i>Pentachaeta bellidiflora</i>)	FE, SCE, 1B.1	Cismontane woodland, valley and foothill grassland (often serpentine). 35-620m elevation. Blooming period Mar-May.	No potential. Habitat types are not present.
Choris' popcornflower (<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i>)	1B.2	Mesic. Chaparral, coastal prairie, coastal scrub. 3-160m elevation. Blooming period Mar-Jun.	Moderate potential. Only chaparral habitat is present and much of site is disturbed likely precluding this species.
Oregon polemonium (<i>Polemonium carneum</i>)	2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. 0-1830m elevation. Blooming period Apr-Sep.	No potential. Habitat types are not present.
Hickman's cinquefoil (<i>Potentilla hickmanii</i>)	FE, SE, 1B.1	Coastal bluff scrub, closed-cone coniferous forest, meadows and seeps (vernally mesic), marshes and swamps (freshwater). 10-149m elevation. Blooming period Apr-Aug.	No potential. Habitat types are not present.
chaparral ragwort (<i>Senecio aphanactis</i>)	2B.2	Sometimes alkaline. Chaparral, cismontane woodland, coastal scrub. 15-800m elevation. Blooming period Jan-Apr (May).	Moderate potential. Only chaparral habitat is present and much of site is disturbed likely precluding this species.
Scouler's catchfly (<i>Silene scouleri</i> ssp. <i>scouleri</i>)	2B.2	Coastal bluff scrub, coastal prairie, valley and foothill grassland. 0-600m elevation. (Mar-May) Jun-Aug (Sep).	No potential. Habitat types are not present.
San Francisco campion (<i>Silene verecunda</i> ssp. <i>verecunda</i>)	1B.2	Sandy. Coastal bluff scrub, chaparral, coastal prairie, coastal scrub, valley and foothill grassland. 30-645m elevation. Blooming period (Feb) Mar-Jun (Aug).	Moderate potential. Only chaparral habitat is present and much of site is disturbed likely precluding this species.
saline clover (<i>Trifolium hydrophilum</i>)	1B.2	Marshes and swamps, valley and foothill grassland (mesic, alkaline), vernal pools. 0-300m elevation.	No potential. Habitat types are not present. On-site seasonal wetland is man-

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
San Francisco owl's-clover <i>Triphysaria floribunda</i>	1B.2	Blooming period Apr-Jun. Usually serpentine. Coastal prairie, coastal scrub, valley and foothill grassland. 10-160m elevation. Blooming period Apr-Jun.	made and not likely to support this species. No potential. Serpentine not present.
coastal triquetrella <i>Triquetrella californica</i>	1B.2	Coastal bluff scrub, coastal scrub. 10-100m elevation. Blooming period N/A.	No potential. Habitat types are not present.
Methuselah's beard lichen <i>Usnea longissimi</i>	4.2	On tree branches; usually on old growth hardwoods and conifers. Broadleaved upland forest, North Coast coniferous forest. 50-1460m elevation.	No potential. Habitat types are not present.
Wildlife			
<i>Mammals</i>			
San Francisco dusky-footed woodrat <i>Neotoma fuscipes annectens</i>	SSC	Forest habitats of moderate canopy and moderate to dense understory. Also, in chaparral habitats. Constructs nests of shredded grass, leaves, and other material. May be limited by availability of nest-building materials.	High potential. Suitable riparian and chaparral habitat is present on the Project Site. No woodrat nests were observed during either the January or July site visit, however dense understory restricted access to these areas.
salt marsh harvest mouse <i>Reithrodontomys raviventris</i>	FE, SE, CFP	Endemic to emergent salt and brackish wetlands of the San Francisco Bay Estuary. Pickleweed marshes are primary habitat; also occurs in various other wetland communities with dense vegetation. Does not burrow, builds loosely organized nests. Requires higher areas for flood escape.	No potential. Habitat types are not present. Wetland habitat on site is made and not contiguous with suitable habitat for this species.
southern sea otter <i>Enhydra lutris nereis</i>	FT	Occurs in marine waters and coastal lagoons.	No potential. Habitat types are not present.
American Badger <i>Taxidea taxus</i>	SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Requires friable soils and open, uncultivated ground. Preys on burrowing rodents.	Low potential. While friable soils are present, the Project Site lacks open, uncultivated ground for this species. No suitably-sized burrows were observed during the site visits.
pallid bat <i>Antrozous pallidus</i>	SSC, WBWG High	Found in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, forages along river channels. Roost sites include crevices in rocky outcrops	Moderate potential. This species may roost in buildings on the Project Site. Bat guano was observed in a barn proposed for

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
Townsend's big-eared bat <i>Cornorhinus townsendii</i>	SSC, WBWG High	and cliffs, caves, mines, trees and various human structures such as bridges, barns, and buildings (including occupied buildings). Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites. Associated with a wide variety of habitats from deserts to mid-elevation mixed coniferous-deciduous forest. Females form maternity colonies in buildings, caves and mines and males roost singly or in small groups. Foraging occurs in open forest habitats where they glean moths from vegetation.	demolition. Low potential. This species is very sensitive to human disturbance and is not likely to roost in buildings on the Project Site.
hoary bat <i>Lasiurus cinereus</i>	WBWG Medium	Prefers open forested habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding. Roosts in dense foliage of medium to large trees. Feeds primarily on moths. Requires water. Occurs rarely in low-lying arid areas. Requires high cliffs or rocky outcrops for roosting sites.	Low potential. May potentially roost in larger trees on or adjacent to the Project Site.
big free-tailed bat <i>Nyctinomops macrotis</i>	SSC, WBWG Medium-High		No potential. Suitable roost sites are not present.
<i>Amphibians and Reptiles</i>			
green sea turtle <i>Chelonia mydas</i>	FT	Occurs in marine waters and coastal lagoons.	No potential. Habitat types are not present.
California red-legged frog <i>Rana draytonii</i>	FT, SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11 to 20 weeks of permanent water for larval development. Associated with quiet perennial to intermittent ponds, stream pools and wetlands. Prefers shorelines with extensive vegetation. Disperses through upland habitats after rains.	Moderate potential. There are numerous occurrences of this species surrounding the Project Site, including in Frenchman's Creek both above and below the confluence with Loess Creek. This species may travel overland to reach aquatic breeding habitats located outside the Project Site or use Loess Creek for aquatic non-breeding purposes including foraging, refugia, and dispersal.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
California foothill yellow-legged frog <i>Rana boylei</i>	SCT, SSC	Found in or near rocky streams in a variety of habitats. Prefers partly-shaded, shallow streams and riffles with a rocky substrate; requires at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis. Feeds on both aquatic and terrestrial invertebrates.	No potential. Outside range for this species.
California tiger salamander <i>Ambystoma californiense</i>	FT, ST	Inhabits grassland, oak woodland, ruderal and seasonal pool habitats. Adults are fossorial and utilize mammal burrows and other subterranean refugia. Breeding occurs primarily in vernal pools and other seasonal water features.	No potential. Outside range for this species.
Santa Cruz black salamander <i>Aneides niger</i>	SSC	Restricted to mesic forests in the fog belt of the outer Coast Range. Occurs in moist streamside microhabitats and is frequently found in shallow standing water or seeps.	No potential. Habitat type is not present.
California giant salamander Dicamptodon ensatus	SSC	Occurs in the north-central Coast Ranges. Moist coniferous and mixed forests are typical habitat; also uses woodland and chaparral. Adults are terrestrial and fossorial, breeding in cold, permanent or semi-permanent streams. Larvae usually remain aquatic for over a year.	No potential. While chaparral habitat is present, no permanent or semi-permanent streams are present on the Project Site.
western pond turtle <i>Emys marmorata</i>	SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches with aquatic vegetation. Require basking sites such as partially submerged logs, vegetation mats, or open mud banks, and suitable upland habitat (sandy banks or grassy open fields) for egg-laying.	Low potential. While this species can make overland movements between aquatic sites, it is unlikely to be present due to the lack of water and/or basking sites in Loess Creek and suitable upland habitats on the site. Discontinuous habitat due to underground culverting and drop-fall structures further preclude this species.
San Francisco garter snake <i>Thamnophis sirtalis tetrataenia</i>	FE, SE, CFP	Vicinity of freshwater marshes, ponds and slow-moving streams in San Mateo County and extreme northern Santa Cruz County. Prefers dense cover and water depths of at least one foot. Upland areas near water are	Low potential. While potentially suitable aquatic and upland habitat is present on the site, discontinuous habitat due to underground culverting and drop-fall

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
<i>Birds</i>			
western snowy plover <i>Charadrius alexandrinus</i>	SSC, BCC	Federal listing applies only to the Pacific coastal population. Year-round resident and winter visitor. Occurs on sandy beaches, salt pond levees, and the shores of large alkali lakes. Nests on the ground, requiring sandy, gravelly or friable soils.	No potential. Habitat type is not present.
California black rail <i>Laterallus jamaicensis coturniculus</i>	ST, CFP, BCC	Year-round resident in marshes (saline to freshwater) with dense vegetation within four inches of the ground. Prefers larger, undisturbed marshes that have an extensive upper zone and are close to a major water source. Extremely secretive and cryptic.	No potential. Habitat type is not present.
California ridgeway's rail <i>Rallus obsoletus obsoletus</i>	FE, SE	Year-round resident in tidal marshes of the San Francisco Bay estuary. Requires tidal sloughs and intertidal mud flats for foraging, and dense marsh vegetation for nesting and cover. Typical habitat features abundant growth of cordgrass and pickleweed. Feeds primarily on molluscs and crustaceans.	No potential. Habitat type is not present.
California least tern <i>Sterna antillarum browni</i>	FE	Summer resident along the coast from San Francisco Bay south to northern Baja California; inland breeding also very rarely occurs. Nests colonially on barren or sparsely vegetated areas with sandy or gravelly substrates near water, including beaches, islands, and gravel bars. In San Francisco Bay, has also nested on salt pond margins.	No potential. Habitat type is not present.
marbled murrelet <i>Brachyramphus marmoratus</i>	FT, SE	Predominantly coastal marine. Nests in old-growth coniferous forests up to 30 miles inland along the Pacific coast, from Eureka to Oregon border, and in Santa Cruz/San Mateo Counties. Nests are highly cryptic, and typically located on platform-like branches of mature	No potential. Habitat type is not present.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
short-tailed albatross <i>Phoebastria (=Diomedea) albatrus</i>	FE, SSC	redwoods and Douglas firs. Forages on marine invertebrates and small fishes. Highly pelagic; comes to land only when breeding. Nests on remote Pacific islands. A rare non-breeding visitor to the eastern Pacific.	No potential. Habitat type is not present.
burrowing owl <i>Athene cunicularia</i>	SSC, BCC	Year-round resident and winter visitor. Occurs in open, dry grasslands and scrub habitats with low-growing vegetation, perches and abundant mammal burrows. Preys upon insects and small vertebrates. Nests and roosts in old mammal burrows, most commonly those of ground squirrels.	No potential. Habitat type is not present.
American peregrine falcon <i>Falco peregrinus anatum</i>	FD, CFP, BCC	Year-round resident and winter visitor. Occurs in a wide variety of habitats, though often associated with coasts, bays, marshes and other bodies of water. Nests on protected cliffs and also on man-made structures including buildings and bridges. Preys on birds, especially waterbirds. Forages widely.	No potential. Habitat type is not present.
saltmarsh common yellowthroat <i>Geothlypis trichas sinuosa</i>	SSC, BCC	Resident of the San Francisco Bay region, in fresh and salt water marshes. Requires thick, continuous cover down to water surface for foraging; tall grasses, tule patches, willows for nesting.	Moderate potential. This species is documented in Frenchmans Creek downstream of the confluence with Loess Creek in willow riparian habitat. Suitable riparian habitat is present on the Project Site, though surrounding site disturbance may make this habitat less attractive.
Alameda song sparrow <i>Melospiza melodia pusillula</i>	SSC, BCC	Year-round resident of salt marshes bordering the south arm of San Francisco Bay. Inhabits primarily pickleweed marshes; nests placed in marsh vegetation, typically shrubs such as gumplant.	No potential. Habitat type is not present.
bank swallow <i>Riparia riparia</i>	ST	Summer resident in riparian and other lowland habitats near rivers, lakes and the ocean in northern California. Nests colonially in excavated burrows on vertical cliffs and bank cuts (natural and manmade) with fine-textured soils. Historical nesting range in southern and	No potential. Habitat type is not present.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
		central areas of California has been eliminated by habitat loss. Currently known to breed in Siskiyou, Shasta, and Lassen Cos., portions of the north coast, and along Sacramento River from Shasta Co. south to Yolo Co.	
<i>Fishes</i>			
steelhead – central California coast DPS <i>Oncorhynchus mykiss irideus</i>	FT	Occurs from the Russian River south to Soquel Creek and Pajaro River and in San Francisco and San Pablo Bay Basins. Adults migrate upstream to spawn in cool, clear, well-oxygenated streams. Juveniles remain in fresh water for one or more years before migrating downstream to the ocean.	No potential. An impassable drop-fall culvert is present between Frenchmans Creek (where this species has been documented) and Loess Creek (and the Project Site).
longfin smelt <i>Spirinchus thaleichthys</i>	FC, ST, SSC	Euryhaline, nektonic and anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15 to 30 ppt but can be found in completely freshwater to almost pure seawater.	No potential. Habitat type is not present.
delta smelt <i>Hypomesus transpacificus</i>	FT, SE	Lives in the Sacramento-San Joaquin estuary in areas where salt and freshwater systems meet. Occurs seasonally in Suisun Bay, Carquinez Strait and San Pablo Bay. Seldom found at salinities > 10 ppt; most often at salinities < 2 ppt.	No potential. Habitat type is not present.
tidewater goby <i>Eucyclogobius newberryi</i>	FE, SSC	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	No potential. Habitat type is not present.
<i>Invertebrates</i>			
Bay checkerspot butterfly <i>Euphydryas editha bayensis</i>	FT, SSI	Restricted to native grasslands on outcrops of serpentine soil near San Francisco Bay. <i>Plantago erecta</i> is the primary host plant; <i>Orthocarpus densiflorus</i> and <i>O. purpurascens</i> are the secondary host plants.	No potential. Habitat type is not present.
San Bruno elfin butterfly	FE, SSI	Limited to the vicinity of San Bruno Mountain, San	No potential. Habitat type is not present.

SPECIES	STATUS*	HABITAT	POTENTIAL FOR OCCURRENCE
<i>Callophrys mossii bayensis</i>		Mateo County. Colonies are located on in rocky outcrops and cliffs in coastal scrub habitat on steep, north-facing slopes within the fog belt. Species range is tied to the distribution of the larval host plant, <i>Sedum spathulifolium</i> .	
monarch – California overwintering population <i>Danaus plexippus</i>	SSI	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, Monterey cypress), with nectar and water sources nearby.	Moderate potential. This species is documented within one mile southwest of the Project Site along Frenchmans Creek. Suitable roost trees are present adjacent to the Project Site.
Mission blue butterfly <i>Plebejus icarioides missionensis</i>	FE, SSI	Inhabits grasslands and coastal chaparral of the San Francisco Peninsula and southern Marin County, but mostly found on San Bruno Mountain. Three larval host plants: <i>Lupinus albifrons</i> , <i>L. varicolor</i> , and <i>L. formosus</i> , of which <i>L. albifrons</i> is favored.	No potential. Habitat type is not present.
Myrtle's silverspot butterfly <i>Speyeria zerene myrtleae</i>	FE	Restricted to the fog belt of northern Marin and southernmost Sonoma County, including the Point Reyes peninsula; extirpated from coastal San Mateo County. Occurs in coastal prairie, dunes, and grassland. Larval foodplant is typically <i>Viola adunca</i> . Adult flight season may range from late June to early September.	No potential. Habitat type is not present.

*Status Codes:

FE or FT – Federal Endangered or Threatened

FD – Federal Delisted

FC – Federal Candidate

SE or ST – State Endangered or Threatened

SCE or SCT – State Candidate Endangered or Threatened

CFP – California Fully Protected

SSC – California Special Status Species

BCC – Bird of Conservation Concern (FWS)

SSI – Special Status Invertebrate

WBWG High or Medium Priority (Western Bat Working Group)

California Rare Plant Rank (RPR):

1B.1 - Seriously rare, threatened, or endangered in California and elsewhere

Rank 1B.2– Moderately rare, threatened, or endangered in California and elsewhere

Rank 1B.3 – Not very threatened in California

Rank 2B.2 – Moderately rare, threatened, or endangered in California, but more common elsewhere

Rank 4 – Watch List or Locally Rare



County of San Mateo - Planning and Building Department

ATTACHMENT D

April 11, 2019

Mike Schaller
County of San Mateo, Planning Division
455 County Center, 2nd Floor
Redwood City, CA 94063

Re: Biological Addendum Report for 37 Frenchmans Creek Road (for Half Moon Grow)

Dear Mr. Schaller,

The purpose of this letter is to provide an addendum to the October 2018 Biological Resources Report prepared for the Half Moon Grow site located at 37 Frenchman's Creek Road, in San Mateo County, California. This addendum has been prepared to address specific comments on the Mitigated Negative Declaration (MND) for the project raised by the California Department of Fish and Wildlife (CDFW) in their letter dated March 21, 2019 (CDFW Letter). Specifically, this addendum addresses potential impacts to biological resources that have potential to occur on the site from the proposed water use and stream diversion that is part of the proposed project.

Additional Project Information

The existing in-stream water diversion, which has been in place since 2009, is permitted by water right licenses 6556 and 10827 and an existing CDFW Streambed Alteration Agreement (SAA) for use in irrigating an orchid flower farm and fruit orchards present on the property for more than 30 years; both licenses were amended by the State Water Resources Control Board (SWQCB) in 2012 by the former owner/operator to improve efficiency and reduce long-term maintenance requirements that were detrimental to the stream corridor. Diversion under the existing amended licenses and SAA is confined to the period of January 1 to March 31 of each year. During this period, the minimum in-stream bypass flow rate is 2.8 cubic feet second (cfs) and must increase above this in order for flow to then be diverted. The maximum rate of diversion may not exceed 0.4 cfs (180 gallons per minute; gpm) and the total amount of water allowed to be diverted in a single season may not exceed 10.66-acre feet.

The existing state licenses will be transferred to the new owner Half Moon Grow as part of change in ownership/sale of property. The applicant provided written notification to CDFW pursuant to section 1600 to apply for a new SAA subject to the conditions of the former SAA on September 20, 2018. As part of the Notification, water calculations were submitted to show that the total

annual diversion is not expected to exceed 4.0-acre feet in most years, which is far below the allowable 10.66-acre feet under the existing state license and previous years water diversions conducted by the prior owner. Because no new construction is proposed, and there are no new potential adverse impacts associated with the existing diversion, no additional analysis of streamflow impacts has been conducted nor is warranted.

Potential Impacts Discussion

With regards to the additional project information, the following determinations have been made and are further described below.

IV. BIOLOGICAL RESOURCES — Would the project:	<i>Potentially Significant Impact</i>	<i>Less than Significant with Mitigation Incorporated</i>	<i>Less than Significant Impact</i>	<i>No Impact</i>
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) ***Less than Significant with Mitigation Incorporated***

According to the October 2018 Biological Report and CDFW Letter, the proposed project site may provide suitable habitat for roosting bats and nesting birds as well as six special status wildlife species (including one federal threatened species):

- California red-legged frog (CRLF) (*Rana draytonii*)
- San Francisco garter snake (SFGS) (*Thamnophis sirtalis tetrataenia*)
- Monarch butterfly (*Danaus plexippus pop. 1*)
- Saltmarsh common yellowthroat (*Geothlypis trichas sinuosa*)
- Steelhead (*Oncorhynchus mykiss irideus pop. 8*)
- San Francisco dusky-footed woodrat (*Neotoma fuscipes annectens*)
- Pallid bat (*Antrozous pallidus*)

Much of the existing site was developed in the 1960s for agricultural purposes. Several engineered greenhouses, metal barns, farm labor housing, roadways, parking areas, irrigation, and other related infrastructure is present on the property and has been used historically to grow orchids, ornamental flowers, and cherry trees. The proposed project will occupy existing buildings and related infrastructure; water will be obtained via an existing licensed in-stream diversion as described above. No new construction is proposed.

Evidence of an active roost was observed within one of the metal barns on the Project Site including guano (droppings) and urine staining. This structure appeared to be in regular use at the time of the assessment for material storage by the previous land owner and is therefore likely a night roost rather than a maternity day roost. Additional roost habitat was also identified on the exterior of an adjacent building (former labor housing), though no sign was observed. Removal or demolition of either building would be considered a significant impact under CEQA. Pallid bat can occupy buildings in use and thus, continued use of these structures is not considered a significant impact. At this time, no demolition or modification to either building is proposed and both buildings are not proposed for any new or reuse and thus, no significant impact to bats is anticipated. However, future changes in use or modifications to the existing buildings, may potentially result in impacts to bats if present.

Because no new construction is proposed, and all work will occur within already developed areas and within existing facilities, no new impacts to wildlife species are anticipated. The existing diversion has the potential to impact aquatic species as a result of reduced in-stream flows during low-flow period and/or a reduction of streamflow or complete dewatering in the watershed during the summer months if conditions of the license are not adhered to.

b) ***No Impact*** – As described in previous biological report.

c) ***No Impact*** – As described in previous biological report.

d) *Less than Significant with Mitigation Incorporated.*

The proposed project will not create any permanent dispersal barriers.

Recommended Mitigation

Avoidance and Minimization Measures (AMM) provided below are in accordance with the recommended measures in the CDFW letter and the terms and conditions of the existing state licenses for the in-stream water diversion. No new impacts or measures are proposed. The following AMM would ensure impacts associated with operation of the existing licensed water diversion are reduced to a less-than-significant level:

- The season of diversion shall be limited from January 1 to March 31 of each year (“forbearance period”). From April 1 to December 31, all water shall be allowed to pass the point of diversion.
- The maximum instantaneous rate of withdrawal shall not exceed 0.4 cfs or 180 gpm at any time. The maximum amount of water to be diverted in any one year shall not exceed 10.66-acre feet.
- No water shall be diverted until at least 2.8 cfs is allowed to bypass the existing point of diversion.
- The Permittee may utilize water from a water hauling company the first year of the LSAA if the Permittee is unable to divert.

Additionally, if any buildings that may provide habitat for any species of bat will be significantly altered, modified, or if activities could result on the disturbance to roosting bats, a bat roost survey should be performed during the appropriate roosting period (April 1 to September 15) prior to any modification, and if bats are present, CDFW shall be consulted beforehand any change in use occurs.

Please do not hesitate to contact me with questions.

Respectfully,



Dana Riggs, Principal Biologist