

County of San Mateo
Planning and Building Department

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

1. **Project Title:** Palmer Lane Zoning Amendment, General Plan Amendment and 3-lot Subdivision
2. **County File Number:** PLN2018-00271
3. **Lead Agency Name and Address:** San Mateo County Planning and Building Department, 455 County Center, 2nd Floor, Redwood City, CA 94063
4. **Contact Person and Phone Number:** Summer Burlison, Project Planner, 650-363-1815, sburlison@smcgov.org
5. **Project Location:** 501 Palmer Lane, North Fair Oaks
6. **Assessor's Parcel Number and Size of Parcel:** 060-162-130 (34,816 sq. ft.)
7. **Project Sponsor's Name and Address:** Nancy Berghold, Studio Berghold, 1183 Virginia Avenue, Redwood City, CA 94061
8. **Name of Person Undertaking the Project or Receiving the Project Approval (if different from Project Sponsor):** N/A
9. **General Plan Designation:** Medium Density Residential (6.1 – 8.7 dwelling units/acre)
10. **Zoning:** R-1/S-93 (One-family Residential/10,000 sq. ft. lot minimum)
11. **Description of the Project:** The applicant requests a General Plan Amendment, Zoning Amendment, Minor Subdivision, and Grading Permit to assign a zoning designation of single-family residential (R-1/S-93) and General Plan designation of Medium Density Residential, to a 9,500 sq. ft. portion (detached from the Town of Atherton) of a 34,816 sq. ft. parcel and subdivide the parcel into 3 lots:

	Proposed Parcel Size	Proposed Access
Proposed Parcel A	11,082 sq. ft.	San Benito Avenue
Proposed Parcel B	13,732 sq. ft.	Palmer Lane (existing)
Proposed Parcel C	10,002 sq. ft.	Palmer Lane

The existing single-family residence will remain on proposed Parcel B and a new two-story residence with a basement is proposed for Parcel A. A total of 470 cubic yards of grading (i.e., excavation) is proposed to accommodate the new basement for the proposed development on Parcel A. The removal of 12 trees, including 4 significant trees consisting of 1 walnut tree (12 inches dbh), 2 American elm trees (12 inches and 25 inches dbh), and 1 Mexican fan palm tree (26 inches dbh), located throughout the property is proposed, primarily on proposed Parcel A.

12. **Surrounding Land Uses and Setting:** The project parcel is a double-frontage lot, between Palmer Lane and San Benito Avenue, and adjacent to the Town of Atherton boundary, in the North Fair Oaks community. The existing 34,816 sq. ft. parcel consists of an existing single-family residence and multiple accessory buildings. Surrounding land uses include single-family residential developments within the County and Town of Atherton.
13. **Other Public Agencies Whose Approval is Required:** None
14. **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.?:** No tribes have requested consultation pursuant to Public Resources Code Section 21080.3.1.

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		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 project site is located in a highly urbanized residential area and will not have substantial adverse effects on any public areas.</p> <p>Source: Project location</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: The project site is located in a highly urbanized residential area and will not cause any damage or destruction to scenic resources.</p> <p>Source: Project location</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 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?				X
<p>Discussion: The project site is located in the North Fair Oaks Community, a highly urbanized area of the County. The project will not conflict with any zoning or other regulations governing scenic quality in the area.</p> <p>Source: Project location</p>					
1.d.	Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?			X	
<p>Discussion: The project would support two additional single-family residences in a highly urbanized residential community. Any new sources of light would not create a significant impact to the area.</p> <p>Source: Project location</p>					
1.e.	Be adjacent to a designated Scenic Highway or within a State or County Scenic Corridor?				X
<p>Discussion: The project site is not located in or near a scenic highway or scenic corridor.</p> <p>Source: Project location</p>					

1.f.	If within a Design Review District, conflict with applicable General Plan or Zoning Ordinance provisions?				X
<p>Discussion: The project site is not located within a Design Review District.</p> <p>Source: Project location; San Mateo County Zoning Map</p>					
1.g.	Visually intrude into an area having natural scenic qualities?				X
<p>Discussion: The project site is located in a highly urbanized single-family residential community and will not impact any natural scenic qualities.</p> <p>Source: Project location</p>					

<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 involves a residentially developed parcel in a highly urbanized area that will not impact Prime Farmland, Unique Farmland or Farmland of Statewide Importance.</p> <p>Source: Project location</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 located in a highly urbanized residential community that contains no agricultural uses or zoning.</p>					

Source: Project location; San Mateo County Zoning Map					
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
Discussion: The project site is located in a highly urbanized residential community that contains no agricultural use or land and no forestland. Source: Project location; San Mateo County Zoning Map					
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
Discussion: The project site is located in the North Fair Oaks community, a highly urbanized area outside of the Coastal Zone. Source: Project location					
2.e.	Result in damage to soil capability or loss of agricultural land?				X
Discussion: The project includes grading for residential development in a highly urbanized area and will have no impact on soil capability or agricultural land. Source: Project location					
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
Discussion: The project site is located in a highly urbanized area that contains no forestland or timberland. Source: Project location					

<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>					
		<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
3.a.	Conflict with or obstruct implementation of the applicable air quality plan?		X		

Discussion: The Bay Area 2017 Clean Air Plan (CAP), developed by the Bay Area Air Quality Management District (BAAQMD), is the current regulating air quality plan for San Mateo County. The CAP was created to improve Bay Area air quality and to protect public health and the climate. The project would not conflict with or obstruct the implementation of the BAAQMD's 2017 Clean Air Plan. During project implementation, air emissions would be generated from site grading, equipment, and work vehicles; however, any such grading-related emissions would be temporary and localized. Once constructed, use of the newly created lots for residential development would have minimal impacts to the air quality standards set forth for the region by the BAAQMD. The BAAQMD has established thresholds of significance for construction emissions and operational emissions. As defined in the BAAQMD's 2017 CEQA Guidelines, the BAAQMD does not require quantification of construction emissions due to the number of variables that can impact the calculation of construction emissions. Instead, the BAAQMD emphasizes implementation of all feasible construction measures to minimize emissions from construction activities. The BAAQMD provides a list of construction-related control measures that they have determined, when fully implemented, would significantly reduce construction-related air emissions to a less than significant level. These control measures have been included in Mitigation Measure 1 below:

Mitigation Measure 1: The applicant shall require construction contractors to implement all the Bay Area Air Quality Management District's Basic Construction Mitigation Measures, listed below, and include these measures on permit plans submitted to the Building Inspection Section:

- a. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) 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 public 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 mph.
- e. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- f. All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- g. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure Title 13, Section 2485, of the California Code of Regulations (CCR)). Clear signage

shall be provided for construction workers at all access points.

- h. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

Source: Project plans; Bay Area Air Quality Management District

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		
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Discussion: As of December 2012, San Mateo County is a non-attainment area for PM-2.5. On January 9, 2013, the Environmental Protection Agency (EPA) issued a final rule to determine that the Bay Area attains the 24-hour PM-2.5 national standard. However, the Bay Area will continue to be designated as "non-attainment" for the national 24-hour PM-2.5 standard until the BAAQMD submits a "re-designation request" and a "maintenance plan" to EPA and the proposed redesignation is approved by the Environmental Protection Agency. A temporary increase in the project area is anticipated during construction since these PM-2.5 particles are a typical vehicle emission. The temporary nature of the proposed construction and California Air Resources Board vehicle regulations reduce the potential effects to a less than significant impact. Mitigation Measure 1 in Section 3.a. would minimize increases in non-attainment criteria pollutants generated from project construction to a less than significant level. No further mitigation is necessary.

Source: Project plans; Bay Area Air Quality Management District

3.c. Expose sensitive receptors to substantial pollutant concentrations, as defined by the Bay Area Air Quality Management District?		X		
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Discussion: See discussion in Section 3.a.

Source: Project plans; Bay Area Air Quality Management District

3.d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	
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Discussion: The project will involve proposed and future construction of single-family residential development in a highly urbanized area of the County. Once constructed, the daily use of the residences would not create objectionable odors. The proposed project has the potential to generate odors associated with construction activities; however, any such odors would be temporary and are expected to be minimal.

Source: Project plans

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 or National Marine Fisheries Service?				X
<p>Discussion: The project parcel is located in a highly urbanized area that does not contain any sensitive biological communities.</p> <p>Source: Project location; California Natural Diversity Database</p>				
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
<p>Discussion: The project parcel is located in a highly urbanized area that does not contain any sensitive biological communities.</p> <p>Source: Project location</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: The project parcel is located in a highly urbanized area that contains no wetlands.</p> <p>Source: Project location</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: The project parcel is located in the highly urbanized community of North Fair Oaks where wildlife and/or sensitive species are not expected to be present. Therefore, the project will not interfere with the movement of any wildlife.</p> <p>Source: Project location</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: The project includes the removal of 12 trees, including 4 significant trees consisting of 1 walnut tree (12 inches dbh), 2 American elm trees (12 inches and 25 inches dbh), and 1 Mexican fan palm tree (26 inches dbh) located throughout the property, primarily on proposed Parcel A. The proposed tree removals are requested due to interference with proposed residential development on proposed Parcel A and/or poor health. Replacement trees will be required to mitigate the loss of significant trees, per Mitigation Measure 2 below. Additionally, as required under the County's Significant Tree Ordinance, a tree protection pre-site inspection will be required to ensure that all trees to remain are adequately protected prior to the start of any grading and/or construction activity.</p> <p>Mitigation Measure 2: All significant trees approved for removal shall be replaced at a 1:1 ratio, minimum 15-gallon size stock. Proposed replacement trees shall be shown on a Tree Planting Plan or Landscape Plan included in construction plans submitted for building permit review. The Plan shall include species, size, and location of all replacement trees. The Planning Division shall verify the approved plantings prior to final building inspection.</p> <p>Source: Project plans; Significant Tree Ordinance</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: The project parcel is not located in an area with an adopted Habitat Conservation Plan or Natural Conservation Community Plan, or other approved regional or State habitat conservation plan.</p> <p>Source: Project location</p>					
4.g.	Be located inside or within 200 feet of a marine or wildlife reserve?				X
<p>Discussion: The project parcel is not located inside or within 200 feet of a marine or wildlife reserve.</p> <p>Source: Project location</p>					
4.h.	Result in loss of oak woodlands or other non-timber woodlands?				X
<p>Discussion: State Senate Concurrence Resolution No. 17 requires state agencies to preserve and protect native oak woodlands containing Blue, Engleman, Valley, or Coast Live Oak trees to the</p>					

maximum extent feasible or provide replacement plantings when oak woodlands are removed. For the purposes of the measure, “oak woodlands” means a five-acre circular area containing five or more oak trees per acre. The project area is smaller than the defined five-acre circular area under the State Senate Resolution.

Specifically, the project proposes to remove non-timber woodlands consisting of a total of 12 trees including American elm, bay, loquat, Mexican fan palm, and fruit trees. Only one valley oak tree (8.8 inches in dbh) is proposed for removal, and therefore the project is not subject to State Senate Concurrence Resolution No. 17. No mitigation is required.

Source: Project plans; State Senate Concurrence Resolution No. 17

5. CULTURAL RESOURCES. Would the project:				
	<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: The project site is not listed on any State or local historical registry and does not contain any known historical resources.</p> <p>Source: Project plans; Project location</p>				
5.b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Section 15064.5?				X
<p>Discussion: There are no known archaeological resources on the developed project parcel.</p> <p>Source: Project location</p>				
5.c. Disturb any human remains, including those interred outside of formal cemeteries?				X
<p>Discussion: There are no known human remains on the project site.</p> <p>Source: Project location</p>				

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 potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
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Discussion: Energy conservation standards for new residential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the California Energy Commission) in June 1977 and are updated every 3 years (Title 24, Part 6, of the California Code of Regulations). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. Building permit applications are subject to the most current standards. The project would also be required adhere to the provisions of CALGreen, which establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.

Construction

Proposed/future residential construction would require the consumption of nonrenewable energy resources, primarily in the form of fossil fuels (e.g., fuel oil, natural gas, and gasoline) for automobiles (transportation) and construction equipment. Transportation energy use during construction would come from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction employee vehicles that would use diesel fuel and/or gasoline. The use of energy resources by these vehicles would fluctuate according to the phase of construction and would be temporary and would not require expanded energy supplies or the construction of new infrastructure. Most construction equipment during demolition and grading would be gas-powered or diesel powered, and the later construction phases would require electricity-powered equipment.

Operation

During operations, project energy consumption would be associated with resident and visitor vehicle trips and delivery trucks. Proposed/future residential construction would be served by existing road infrastructure. Pacific Gas and Electric (PG&E) provides electricity to the project area. Due to the proposed/future residential construction on the two newly created single-family residential zoned lots, project implementation would result in a permanent increase in electricity over existing conditions. However, such an increase to serve two additional single-family residential uses would represent an insignificant percent increase compared to overall demand in PG&E's service area. The nominal increased demand is expected to be adequately served by the existing PG&E electrical facilities and the projected electrical demand would not significantly impact PG&E's level of service. It is expected that nonrenewable energy resources would be used efficiently during operation and construction of the project given the financial implication of the inefficient use of such resources. As such, the project would not result in wasteful, inefficient, or unnecessary consumption of energy resources. Impacts are less than significant, and no mitigation is required.

Source: California Building Code; California Energy Commission; Project plans

6.b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.				X
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Discussion: The proposed/future project design and operation would comply with State Building Energy Efficiency Standards, appliance efficiency regulations, and green building standards. Therefore, the project does not conflict with or obstruct state or local renewable energy plans and

would not have a significant impact. Furthermore, residential development would not cause inefficient, wasteful and unnecessary energy consumption.

Source: California Building Code; California Energy Commission; Project plans

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:				
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
<p>Discussion: The project site is not located in an Alquist-Priolo Earthquake Fault Zone or special study area where fault rupture is likely to occur.</p> <p>Source: USGS Alquist-Priolo Earthquake Fault Zone Map; Geotechnical Investigation Report prepared by Romig Engineers, dated February 2020; Project location</p>				
ii. Strong seismic ground shaking?			X	
<p>Discussion: The entire San Francisco Bay Area is an active seismic region. The nearest fault to the project site is the San Gregorio fault located approximately 15 miles southwest of the project site. The State of California requires that buildings and structures be designed in accordance with the seismic design provisions in the 2019 California Building Code and in ASCE 7-16, "Minimum Design Loads for Buildings and Other Structures". Therefore, no additional mitigation is necessary beyond current Building Code compliance.</p> <p>Source: Geotechnical Investigation Report prepared by Romig Engineers, dated February 2020; Project location</p>				
iii. Seismic-related ground failure, including liquefaction and differential settling?			X	
<p>Discussion: According to Romig Engineers, there may be up to approximately ½-inch total and differential dynamic settlement within the medium dense clayey sand stratum encountered in Boring</p>				

EB-2 on the site (about 9 ft. below grade, which is the proposed height for the subgrade basement). This estimated differential settlement due to liquefaction should be considered during the structural design of the residence foundation system. The project design will be required to follow design recommendations from the geotechnical report, and must be approved by the County's Geotechnical Section to ensure compliance with State Building Codes. Therefore, no additional mitigation is necessary.

Source: Geotechnical Investigation Report prepared by Romig Engineers, dated February 2020; Project plans

iv. Landslides?				X
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Discussion: The project site is located in a flat, highly urbanized area of the County that is not prone to landslide. Furthermore, the Association of Bay Area Governments Landslide Map shows the project site and area outside of any known landslide susceptibility area.

Source: Association of Bay Area Governments, Landslide Hazard Map; Project location

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
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Discussion: The project site is not located near a coastal cliff or bluff.

Source: Project location

7.b. Result in substantial soil erosion or the loss of topsoil?			X	
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Discussion: The project includes 470 cubic yards of grading (in the form of excavation) to accommodate a new subgrade basement with the single-family residential development proposed on newly created Parcel A. The project site and surrounding vicinity is a highly urbanized, relatively flat area of the County. The project would be required to comply with the County's Grading Ordinance, including for erosion and sediment control, at the building permit stage and construction stage to ensure soil erosion and sedimentation is minimized. Therefore, no additional mitigation is necessary.

Source: Project location; San Mateo County Grading Ordinance

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 landslide, lateral spreading, subsidence, severe erosion, liquefaction or collapse?			X	
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Discussion: The project site is not identified as being located on a geologic unit or soil that is unstable, generally. The Geotechnical Investigation by Romig Engineers identified that lower depths of saturated medium dense clayey sand stratum in Boring EB-2 between depths of 18 to 20 feet may be prone to liquefaction-induced settlement; however, the project design would be required to

<p>consider the geotechnical recommendations and comply with Building codes. Therefore, no additional mitigation is necessary.</p> <p>Source: Geotechnical Investigation Report prepared by Romig Engineers, dated February 2020; 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: Romig Engineers identifies that there is moderately expansive near-surface soils on the project site and provides foundation recommendations to ensure the design of the development on proposed Parcel A will minimize risks and utilize design options that allow construction on competent native soil. No additional mitigation is necessary.</p> <p>Source: Geotechnical Investigation Report prepared by Romig Engineers, dated February 2020; Project plans</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: The project area is served by public sewer and would not require reliance on a septic system or alternative wastewater disposal systems.</p> <p>Source: Project location</p>					
7.f.	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				X
<p>Discussion: Based on the developed project site being located in a highly urbanized area, it is not expected that the project property hosts any paleontological resource or site or unique geological feature.</p> <p>Source: Project location</p>					

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

Discussion: The project would create two new parcels that could support residential development consistent with a One-family Residential (R-1) zoning designation. The project includes the removal of 12 trees, 4 of which are considered significant (12 inches dbh or greater), of various species and sizes to accommodate a proposed residential development on proposed Parcel A. The project site is otherwise located in a highly urbanized area of the County. The removal of trees will not release significant amounts of GHG emissions or significantly reduce GHG sequestering in the area. Furthermore, new trees will be planted to replace the 4 significant trees proposed for removal and numerous trees will remain in other areas of the project site.

Grading and construction activities associated with the project will result in the temporary generation of GHG emissions primarily from construction-related vehicles and equipment. Any such potential increase in GHG emission levels will be minimal and temporary. Mitigation Measure 1 in Section 3.a. will help ensure any such temporary emissions are minimized.

Any increase in GHG emissions associated with the anticipated residential uses are not expected to be significant as residential use does not generate a high demand for traffic. Furthermore, the project is required to comply with all current California Codes, including California Energy Code, and all mandatory requirements under the California Green Building Standards Code.

Source: San Mateo County Energy Efficiency Climate Action Plan (EECAP); 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	
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Discussion: The project does not conflict with the San Mateo County Energy Efficient Climate Action Plan. See staff's discussion in Section 8.a. above.

Source: San Mateo County Energy Efficiency Climate Action Plan (EECAP); Project plans

8.c. Result in the loss of forestland or conversion of forestland to non-forest use, such that it would release significant amounts of GHG emissions, or significantly reduce GHG sequestering?				X
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Discussion: The project is located in a highly urbanized residential neighborhood and would not result in the loss of, or conversion of, forestland.

Source: Project location

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
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Discussion: The project is not located in an area that could be impacted by coastal cliff/bluff erosion or sea level rise.

Source: Project location

8.e.	Expose people or structures to a significant risk of loss, injury or death involving sea level rise?				X
<p>Discussion: The project site is located inland (west) of State Highway 101 and would not be impacted by sea level rise.</p> <p>Source: Project location</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: The project site is not located in an anticipated 100-year floor hazard area.</p> <p>Source: Project location; Federal Emergency Management Agency Flood Insurance Rate Map 06081C0302E, effective October 16, 2012</p>					
8.g.	Place within an anticipated 100-year flood hazard area structures that would impede or redirect flood flows?				X
<p>Discussion: The project site is not located in an anticipated 100-year floor hazard area.</p> <p>Source: Project location; Federal Emergency Management Agency Flood Insurance Rate Map 06081C0302E, effective October 16, 2012</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 project does not involve the routine use, transport, or disposal of hazardous materials.</p> <p>Source: Project plans</p>					
9.b.	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident condi-				X

tions involving the release of hazardous materials into the environment?				
<p>Discussion: The routine use of hazardous materials is not proposed for this project.</p> <p>Source: Project plans</p>				
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
<p>Discussion: The emission or handling of hazardous materials, substances, or waste is not proposed with this project.</p> <p>Source: Project plans</p>				
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
<p>Discussion: The project site is not included on a list of hazardous materials compiled pursuant to Government Code Section 65962.5 and therefore would not result in the creation of a significant hazard to the public or the environment.</p> <p>Source: Project location; California Department of Toxic Substances Control, Hazardous Waste and Substances Site List (Cortese), accessed February 24, 2022.</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 not located within an airport land use plan, or within 2 miles of any known airport.</p> <p>Source: Project location</p>				
9.f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
<p>Discussion: Proposed residential development would be located on privately-owned land accessed by San Benito Avenue and Palmer Lane. The project does not necessitate changes to any existing roadway designs. The Menlo Park Fire Protection District has reviewed and conditionally approved the project, including for emergency access requirements.</p>				

Source: Project location; Menlo Park Fire Protection District				
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: The project site is not located within any local, state or federal fire risk zones. In addition, the project was reviewed by Menlo Park Fire Protection District and received conditional approval subject to compliance with the California Building Code. No mitigation, beyond compliance with the standards and requirements of the Menlo Park Fire Protection District, is necessary.</p> <p>Source: Project location; California State Fire Severity Zones Map; Menlo Park Fire Protection District</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 located in such an area.</p> <p>Source: Project location; Federal Emergency Management Agency Flood Insurance Rate Map 06081C0302E, effective October 16, 2012</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 located in such an area.</p> <p>Source: Project location; Federal Emergency Management Agency Flood Insurance Rate Map 06081C0302E, effective October 16, 2012</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
<p>Discussion: No dam or levee is located in close proximity to the project site; therefore, there is no risk of flooding due to failure of a dam or levee.</p> <p>Source: Project location; San Mateo County Hazards Maps</p>				
9.k.	Inundation by seiche, tsunami, or mudflow?			X
<p>Discussion: The project site is not located in a tsunami or seiche inundation area. The project site is in a highly urbanized flat-terrain area of the County where mudflow is not a concern.</p> <p>Source: Project location; San Mateo County Hazards Maps</p>				

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	
<p>Discussion: The project has the potential to generate polluted stormwater runoff during site grading and construction-related activities. However, these impacts would be minimized through the implementation of erosion and sediment control measures required under the County's Grading Ordinance.</p> <p>The project would be required to comply with the County's Drainage Policy requiring post-construction stormwater flows be at, or below, pre-construction flow rates. Additionally, the project must minimally include Low Impact Development (LID) site design measures in compliance with Provision C.3.i of the County's Municipal Regional Stormwater Permit for the introduction of new impervious surfaces. These guiding standards will ensure that post-construction water runoff does not violate any water quality standard.</p> <p>Source: Project plans; San Mateo County Drainage Policy; San Mateo County Municipal Regional Stormwater Permit</p>				
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
<p>Discussion: The project will be served by public sewer and water; therefore, the project is not expected to substantially decrease groundwater supplies or interfere substantially with groundwater recharge.</p> <p>Source: Project plans</p>				
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:				

i. Result in substantial erosion or siltation on- or off-site;			X	
<p>Discussion: The proposed project does not involve the alteration of the course of a stream or river. The project involves grading and construction of single-family residential development on relative flat, disturbed terrain, and would be required to adhere to erosion and sediment control requirements and drainage requirements from the County's Grading Ordinance and Drainage Policy, respectively, to minimize project impacts. No further mitigation is necessary.</p> <p>Source: Project plans</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 project proposes new impervious surfaces which will result in post-development runoff being greater than pre-development runoff. The project would be required to conform with the County's Drainage Policy requiring the implementation of drainage measures to reduce the increased runoff to not exceed pre-development flows. The Drainage Review Section has reviewed the project and provided conditional approval on the proposed drainage plans and calculations for compliance with the County's Drainage standards and the County's Municipal Regional Permit Provision C.3.i. No further mitigation is necessary.</p> <p>Source: Project plans</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: Pursuant to staff's discussion in Section 10.a and 10.c, post-development runoff would exceed pre-development runoff. The project is required to comply with the County's Drainage Policy and the County's Municipal Regional Permit Provision C.3.i. for reducing post-development runoff by onsite measures, including Low Impact Development measures, to pre-development runoff rates. The Drainage Review Section has reviewed and conditionally approved the project for compliance. No further mitigation is necessary.</p> <p>Source: Project plans</p>				
iv. Impede or redirect flood flows?				X
<p>Discussion: The project site consists of flat terrain on a developed lot in a highly urbanized area; the project would not alter drainage patterns in a manner that would impede or redirect flood flows in the area.</p> <p>Source: Project location; Project plans</p>				
10.d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X

<p>Discussion: The project site is not in a flood hazard, tsunami, or seiche zone according to the San Mateo County Hazards Map.</p> <p>Source: Project location; San Mateo County Natural Hazards Map</p>					
10.e.	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X
<p>Discussion: San Mateo County has 9 identified water basins. These water basins have been identified as low-priority, are not subject to the Sustainable Groundwater Management Act of 2015, and there is no current groundwater management agency or plan that oversees these basins. Also, see discussion in Section 10.b.</p> <p>The project includes on-site drainage measures that comply with the San Mateo County Water Pollution Prevention Program (SMCWPPP), which enforces the State requirements for stormwater quality control.</p> <p>Source: Project plans; San Mateo County Office of Sustainability, Groundwater Website https://www.smcsustainability.org/energy-water/groundwater/</p>					
10.f.	Significantly degrade surface or ground-water water quality?			X	
<p>Discussion: The proposed project will be served by a public water system and therefore would not significantly degrade groundwater water quality. Additionally, the project is required to comply with the County's Drainage Policy and Municipal Regional (Stormwater) Permit to ensure surface water quality is not significantly degraded as a result of the project.</p> <p>Source: Project plans</p>					
10.g.	Result in increased impervious surfaces and associated increased runoff?			X	
<p>Discussion: The project would introduce new impervious surfaces. Pursuant to the discussion in Section 10.a, post-development runoff would be greater than pre-development runoff; however, in compliance with the County's Drainage Policy and Municipal Regional Permit Provision C.3.i., the project would be required to mitigate the new impervious surfaces through onsite stormwater infrastructure to ensure post-development runoff does not exceed pre-development rates. No further mitigation is necessary.</p> <p>Source: Project plans</p>					

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

<p>Discussion: The proposed project does not require the construction of new road infrastructure and would not result in the division of an established community. The project is located on a developed parcel in a highly urbanized residential community. The project will result in added residential infill lots to the existing community.</p> <p>Source: Project plans; Project location</p>				
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 project involves assigning zoning and general plan designations for a portion of a parcel that would be consistent with the existing single-family residential and medium density residential zoning and general plan designations, respectively, for the remainder of the parcel and surrounding area. The project would not cause a significant environmental impact that could not be mitigated as discussed throughout this Initial Study.</p> <p>Source: Project plans; Project location</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: The project would not serve to encourage off-site development of presently undeveloped areas. The project includes assigning a zoning and general plan designation to a portion of a parcel and subdividing the parcel into three residential lots, which results in increased development density that is consistent with the existing zoning and general plan for the remainder of the project site and surrounding area. The project would only include improvements on private property sufficient to serve the proposed project and does not require or involve new or expanded public infrastructure.</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

Discussion: The proposed project neither involves nor results in any extraction or loss of mineral resources. Therefore, the project poses no impact.

Source: Project plans; Project location; General Plan Mineral Resources Map

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
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Discussion: There are no known mineral resources on the project parcel; therefore, the proposed project would not result in the loss of availability of a locally important mineral resource recovery site as delineated on a local general plan, specific plan, or other land use plan.

Source: Project location; General Plan Mineral Resources Map

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	

Discussion: The proposed project would not produce any long-term significant noise sources. However, the project would generate short-term noise associated with grading and construction activities. The short-term noise during grading and construction activities would be temporary, where volume and hours are regulated by Section 4.88.360 (Exemptions) of the San Mateo County Ordinance Code for Noise Control. No further mitigation is necessary.

Source: Project plans; Project location; San Mateo County Noise Ordinance

13.b. Generation of excessive ground-borne vibration or ground-borne noise levels?			X	
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Discussion: The project has the potential to generate ground-borne vibration and noise from construction-related activities; however, such impacts would be temporary and are not expected to be excessive beyond what typical residential construction would generate. The County's hours for construction operations as regulated by Section 4.88.360 (Exemptions) of the San Mateo County Noise Ordinance would apply to any construction-related activity to ensure associated impacts do not occur during evening or overnight hours, where their impacts would be most significant. Therefore, no mitigation is necessary.

Source: Project plans

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
<p>Discussion: The project site is not located within the vicinity of a private airstrip or an airport land use plan, or within 2 miles of a public airport.</p> <p>Source: Project location</p>				

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	
<p>Discussion: The project will include the creation of two additional residential infill lots that would not require new or expanded public infrastructure. The level of density for the newly created lots would be regulated by the R-1 (One-family Residential) zoning designation. Therefore, the project would not induce substantial unplanned population growth in the area.</p> <p>Source: Project plans; San Mateo County Zoning Ordinance and Map</p>				
14.b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X
<p>Discussion: The project proposes to maintain the existing single-family residence and create two additional lots that could each minimally support a single-family residence; therefore, the project will not result in the displacement of substantial numbers of existing people or housing.</p> <p>Source: Project plans</p>				

<p>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:</p>

	<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 project would create two additional infill lots that could separately support residential development consistent with the One-family Residential (R-1) zoning designation. The project should not result in the need for new or altered government facilities as a result of creation of these two new lots.</p> <p>Source: Project plans; Project location</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: The project would create two additional new lots that would support residential development as allowed in a One-family Residential (R-1) zoning district. The potential increase in use of existing parks, the nearest being approximately ½ mile away from the project site, would not be significant such that any added use from the proposed project would cause substantial physical deterioration or accelerated deterioration of such facilities.</p> <p>Source: Project location</p>				
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
<p>Discussion: The project does not propose any recreational facilities. The applicant will be required to pay a park in-lieu fee to the County for the County, or other providers of park and recreation</p>				

facilities, to acquire, develop, or rehabilitate County park and recreation facilities that will serve the proposed subdivision, pursuant to Article 6 (Park and Recreation Facilities) of the County's Subdivision Ordinance.

Source: Project plans; San Mateo County Subdivision Ordinance

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: Proposed project improvements would include the construction of two new driveways, one on San Benito Avenue for proposed Parcel A and one on Palmer Lane for proposed Parcel C. The existing driveway will remain on Palmer Lane to the existing single-family residence (proposed Parcel B). The project has been reviewed and conditionally approved by the Menlo Park Fire Protection District and the County Department of Public Works for emergency access and traffic safety. No roadway, bicycle, pedestrian or parking facility changes are required. Grading and construction activities related to proposed and future development on the lots would result in only temporary increases in traffic with negligible permanent increases in traffic levels after construction. Construction staging plans would be reviewed as part of any building permit application to ensure construction traffic minimizes impacts to the area. Therefore, the project is not expected to conflict with any plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system.

Source: Project plans; Project location; Menlo Park Fire Protection District; San Mateo County Department of Public Works

17.b. Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b) <i>Criteria for Analyzing Transportation Impacts</i> ? <i>Note to reader: Section 15064.3 refers to land use and transportation projects, qualitative analysis, and methodology.</i>			X	
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Discussion: The project is exempt from the requirement for a Vehicle Miles Traveled (VMT) analysis pursuant to Senate Bill (SB) 743 and Section 15064.3 of the CEQA Guidelines as a "small project" based on the State of California Governor's Office of Planning and Research (OPR) December 2018 Technical Advisory for Evaluating Transportation Impacts in CEQA to achieve compliance with SB 743. Full build-out of the project would generate less than 110 daily trips, would be consistent with the general plan, and there is no evidence indicating a potentially significant level of VMT would result.

Source: Project plans; State of California Governor's OPR December 2018 Technical Advisory; San Mateo County Department of Public Works, Board of Supervisors Members Memo, dated

September 23, 2020 for Change to Vehicle Miles Traveled as Metric to Determine Transportation Impacts under CEQA 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
<p>Discussion: The project would support the creation of two new residential driveways to serve the newly created lots – one from San Benito Avenue for Parcel A and one from Palmer Lane for Parcel C. However, no improvements are necessary to the existing public right-of-ways; therefore, the project would not result in any changes that would increase traffic hazards.</p> <p>Source: Project location; Project plans</p>				
17.d. Result in inadequate emergency access?				X
<p>Discussion: The project has been reviewed and conditionally approved by the Menlo Park Fire Protection District, including for adequate emergency access. No mitigation is necessary.</p> <p>Source: Project plans; Project location; Menlo Park Fire Protection District</p>				

18. TRIBAL CULTURAL RESOURCES. Would the project:				
	<i>Potentially Significant Impacts</i>	<i>Significant Unless Mitigated</i>	<i>Less Than Significant Impact</i>	<i>No Impact</i>
18.a. Cause a substantial adverse change in the significance of a tribal cultural 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 is not listed in a local register of historical resources, pursuant to any local ordinance or resolution as defined in Public Resources Code Section 5020.1(k), therefore, the project poses in impact.</p>				

Source: Project location; California Register of Historical Resources				
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: Pursuant to Assembly Bill 52, Tamien Nation has requested, in writing, to be informed of proposed projects in the geographic project area. A Notice for Consultation Opportunity was sent to Tamien Nation on January 20, 2022; no request for consultation was received and the 30-day period for consultation request has expired. Given the location of the project site in a highly urbanized area, no further action or mitigation is determined to be necessary.</p> <p>Source: Project plans; Project location; Notification for Consultation Opportunity, Tamien Nation, January 20, 2022.</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.a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?				X
<p>Discussion: The proposed parcels will be served by existing sanitary and water systems operated by Fair Oaks Sewer District and California Water Service – Bear Gulch. The project has been reviewed by these agencies and conditionally approved. Furthermore, the project site is located in a highly urbanized area and would rely on existing public infrastructure without a need for expansion or relocation which could cause significant environmental effects to the area.</p> <p>Source: Project location; Fair Oaks Sewer District; California Water Service – Bear Gulch</p>				
19.b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X

Discussion: The proposed parcels will rely on public water from California Water Service. California Water Service – Bear Gulch has reviewed and conditionally approved the project with the requirement that the owner shall apply for two water connections to serve the two newly created lots. No mitigation is necessary.

Source: Project plans; California Water Service – Bear Gulch

19.c. Result in a determination by the waste-water 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
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Discussion: The Fair Oaks Sewer District, operated by the County of San Mateo Department of Public Works, has reviewed and conditionally approved the project with the requirement that the owner shall purchase two water connections to serve the two newly created lots. No mitigation is necessary.

Source: Project plans; Fair Oaks Sewer District

19.d. 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
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Discussion: Any waste from grading and construction associated with development on the newly created parcels would be required to implement a County approved Waste Management Plan for the purpose of reducing construction and/or demolition waste. Additionally, the property is served by Recology San Mateo who transports solid waste to Ox Mountain Landfill. Ox Mountain Landfill has an expected capacity/service life until 2034. New residential uses on the two newly created lots would not generate a significant increase in solid waste.

Source: Project plans; Project location

19.e. Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				X
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Discussion: See staff’s discussion on Section 19.d. above.

Source: Project plans; Project location

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
<p>Discussion: The project site is not located in or near state responsibility areas or lands classified as very high fire hazard severity zones.</p> <p>Source: Project location; California Department of Forestry and Fire Protection (Fire Hazard Severity Maps)</p>				
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
<p>Discussion: The project site is located in a highly urbanized area and is not within or near an area of wildlife hazard concern.</p> <p>Source: Project location; California Department of Forestry and Fire Protection (Fire Hazard Severity Maps)</p>				
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
<p>Discussion: The project site is located in a highly urbanized area and is not located within or near an area of wildlife hazard concern. Therefore, the project does not require the provision of roads or fuel breaks, or additional powerlines or other utilities that may exacerbate fire risk or result in impacts to the environment.</p> <p>Source: Project location; California Department of Forestry and Fire Protection (Fire Hazard Severity Maps)</p>				
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
<p>Discussion: The project site is located on a flat parcel in a highly urbanized area without any nearby topographic slopes that could be subject to downslope flooding or landslides following a wildfire.</p> <p>Source: Project location</p>				

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: No sensitive habitats are mapped in the project area. The project site is located in a highly urbanized area of the County that does not contain any biological communities.</p> <p>Source: Project plans; Project location; California Natural Diversity Database</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 would generate an additional two new lots zoned R-1 (One-family Residential) in a highly urbanized area of the County; these new lots would be considered infill lots and would be consistent with the General Plan. As proposed and mitigated, the project would have less-than-significant environmental impacts. The project would not serve to encourage off-site development or induce unplanned population growth in the area; thus, the project would not have cumulatively considerable impacts to the area or environment. No further mitigation is needed.</p> <p>Source: Project plans; Project location</p>				
21.c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		X		
<p>Discussion: The project would not generate any substantial adverse effects on human beings, either directly or indirectly, based on the analysis provided throughout this document and subject to the recommended mitigation measures to minimize any potential impacts to a less-than-significant level.</p> <p>Source: See sources referenced throughout this document.</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	
Caltrans		X	
City		X	
California Coastal Commission		X	
California Department of Food and Agriculture		X	
County Airport Land Use Commission (ALUC)		X	
Other: San Mateo County Department of Public Works	X		Encroachment Permit
National Marine Fisheries Service		X	
Regional Water Quality Control Board		X	
San Francisco Bay Conservation and Development Commission (BCDC)		X	
Sewer/Water District: Fair Oaks Sewer District/California Water Service – Bear Gulch	X		Sewer and water connections
State Department of Fish and Wildlife		X	
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	

MITIGATION MEASURES		
	<u>Yes</u>	<u>No</u>
Mitigation measures have been proposed in project application.	X	
Other mitigation measures are needed.	X	
The following measures are included in the project plans or proposals pursuant to Section 15070(b)(1) of the State CEQA Guidelines:		

Mitigation Measure 1: The applicant shall require construction contractors to implement all the Bay Area Air Quality Management District's Basic Construction Mitigation Measures, listed below, and include these measures on permit plans submitted to the Building Inspection Section:

- a. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) 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 public 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 mph.
- e. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- f. All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- g. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California Airborne Toxics Control Measure Title 13, Section 2485, of the California Code of Regulations (CCR)). Clear signage shall be provided for construction workers at all access points.
- h. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

Mitigation Measure 2: All significant trees approved for removal shall be replaced at a 1:1 ratio, minimum 15-gallon size stock. Proposed replacement trees shall be shown on a Tree Planting Plan or Landscape Plan included in construction plans submitted for building permit review. The Plan shall include species, size, and location of all replacement trees. The Planning Division shall verify the approved plantings prior to final building inspection.

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.

X 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 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)

3/14/22

Date

Senior Planner

(Title)

ATTACHMENTS

- A. Vicinity Map
- B. Project Plans



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT A



0.14 0 0.07 0.14 Miles

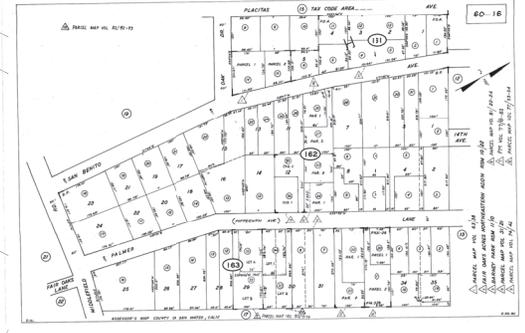
WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

1:4,514 

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

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PARCEL MAP

DESIGN BY
SB
 STUDIO BERGHOLD

NANCY BERGHOLD DESIGNER
 REDWOOD CITY, CALIFORNIA 94063
 BERGHOLD@SBM.COM 650.722.2667

NO PART OF THIS WORK MAY BE REPRODUCED, CHANGED, COPIED, OR TRANSMITTED IN ANY WAY OR BY ANY MEANS, INCLUDING BUT NOT LIMITED TO ELECTRONIC, EXCEPT AS MAY BE EXPRESSLY PERMITTED IN WRITING FROM STUDIO BERGHOLD.

A SUBDIVISION FOR
502 SAN BENITO /
501 PALMER LN
 501 PALMER LN
 MENLO PARK, CA
 650.804.0524

SHEET TITLE
 CONTEXT MAP

NO.	REVISION / NOTES

JOB NO.	A502SAN-18
DATE	10/22/2019
DRAWN	NB
CHECKED	
SCALE	1/16" = 1'-0"

SHEET NO.
CM-1
 1 OF 1 SHEETS



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT B

REV	DATE	DESCRIPTION
1	8 OCT 2018	ISSUED FOR APPROVAL
2		
3		
4		
5		

SIGN DATE:	12-01-2018
DATE:	AS NOTED
SCALE:	AS NOTED
DRAWN BY:	PB
CKD BY:	AG
PROJECT #:	201808118

C 1.0

GRADING PLAN

501 PALMER LANE

ATHERTON AND COUNTY OF SAN MATEO, CALIFORNIA

ASSESSOR'S PARCEL NUMBER (APN) : 060-162-130



LOCATION MAP



EROSION CONTROL NOTES:

- PERFORM CLEARING AND EARTH-MOVING ACTIVITIES ONLY DURING DRY WEATHER. MEASURE TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED PRIOR TO EARTH-MOVING ACTIVITIES AND CONSTRUCTION.
- MEASURES TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL ARE REQUIRED YEAR-ROUND. STABILIZE ALL DENUDEED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 30.
- STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
- CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CURTINGS WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENTS AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATER COURSES.
- USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) PERMITS) AS NECESSARY.
- AVOID CLEANING, FUELING OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.
- LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
- LIMIT CONSTRUCTION ACCESS ROUTES TO STABILIZED, DESIGNATED ACCESS POINTS.
- AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE; CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.
- TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE WATERPROOF PROTECTION MAINTENANCE STANDARDS AND CONSTRUCTION BEST MANAGEMENT PRACTICES.
- PLACEMENT OF EROSION MATERIALS AT THESE LOCATIONS ARE REQUIRED ON WEEKDAYS AND DURING RAIN EVENTS; ALONG SIDEWALK AND DRIVEWAY OPENING TO STREET.
- THE AREAS DELINEATED ON THE PLANS FOR PLANKING, GRUBBING, STORAGE, ETC., SHALL NOT BE ENLARGED OR "RUN OVER".
- CONSTRUCTION SITES ARE REQUIRED TO HAVE EROSION CONTROL MATERIALS ON-SITE DURING THE "OFF SEASON".
- DUST CONTROL IS REQUIRED YEAR-AROUND.
- EROSION CONTROL MATERIALS SHALL BE STORED ON SITE.
- USE OF PLASTIC SHEETING BETWEEN OCTOBER 1 AND APRIL 30 IS NOT ACCEPTABLE. UNLESS FOR USE ON STOCKPILES WHERE THE STOCKPILES IS ALSO PROTECTED WITH FIBER ROLLS CONTAINING THE BASE OF THE STOCKPILE.
- TREE PROTECTION SHALL BE IN PLACE BEFORE ANY DEMOLITION, GRADING, EXCAVATING OR GRUBBING IS STARTED.

GENERAL NOTES:

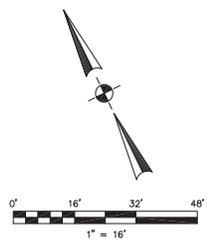
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF ATHERTON MUNICIPAL CODE AND CONSTRUCTION REGULATIONS, AS WELL AS WITH THE REGULATIONS OF ALL OTHER GOVERNMENT AGENCIES WITH JURISDICTION.
- NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING DEPARTMENT AT (650) 752-0560, AT LEAST 48 HOUR PRIOR TO COMMENCING.
- WORK, INCLUDING DELIVERIES AND MOVEMENT OF MACHINERY, IS ONLY ALLOWED BETWEEN 8AM AND 5PM, MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS OR LEGAL HOLIDAYS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT FROM THE TOWN OF ATHERTON.
- THE CONTRACTOR SHALL KEEP ADJACENT ROADS AND STREETS OPEN FOR TRAVEL BY THE PUBLIC, ADJACENT PROPERTY OWNER, THEIR VISITORS AND GUESTS AT ALL REASONABLE TIMES. BLOCKAGE OF A STREET OR ROAD EXCEEDING FIVE MINUTES IS A VIOLATION OF THE TOWN OF ATHERTON MUNICIPAL CODE.
- ANY CONSTRUCTION SITE THAT IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY MUST BE ADEQUATELY SCREENED TO THE SATISFACTION OF THE BUILDING OFFICIAL. SCREENING SHALL CONSIST OF MATERIALS APPROVED BY THE BUILDING OFFICIAL AND MUST BE IDENTIFIED ON THESE PLANS.
- ANY DISTURBANCE OF THE WATER SERVICE LATERAL OR METER MUST BE APPROVED IN ADVANCE BY CALIFORNIA WATER SERVICE COMPANY, BEAR GULCH DISTRICT, AT 3525 ALAMEDA DE LAS PULGAS, MENLO PARK, CA 94025, PHONE (650) 307-6800 (REGULAR OR OFF-HOURS).
- ANY DISTURBANCE OF THE SANITARY SEWER CLEANOUT, OR THE SEWER LATERAL DOWNSTREAM OF THE CLEANOUT AT THE PROPERTY LINE MUST BE APPROVED IN ADVANCE BY THE WEST BAY SANITARY DISTRICT, 500 LAUREL STREET, MENLO PARK, CA 94025, PHONE (650) 321-0384 (REGULAR OR OFF-HOURS), OR THE FAIR OAKS SANITARY DISTRICT, 335 COUNTY CENTER - 5TH FLOOR, REDWOOD CITY, CA 94063, PHONE (650) 363-4100 (REGULAR OR OFF-HOURS).
- NO CONNECTION IS ALLOWED BETWEEN THE STORM WATER COLLECTION AND TREATMENT SYSTEMS AND THE SANITARY SEWER SYSTEM.
- ALL DRAINAGE-SYSTEM PIPES MUST BE INSPECTED BEFORE COVERING. INSPECTION CAN BE DONE IN STAGES AS BACKFILLING PROCEEDS. TO ALLOW SUPPORT TO BE PROVIDED BEFORE INSTALLING PIPES THAT ENTER THE SIDES OF STRUCTURES.

GRADING NOTES:

- CONTRACTOR TO LOCATE A SUITABLE AREA TO USE FOR EQUIPMENT LAYDOWN WITHIN THE PROPERTY OR TEMPORARILY USE THE STREET FRONTAGE. CONTRACTOR SHOULD PARK THEIR VEHICLES IN THE STREET AND NEED TO CLEAN THE STREET BEFORE THE END OF THE DAY.
- CONTRACTOR SHALL ACQUIRE AN ENCROACHMENT PERMIT FROM PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION IN PUBLIC RIGHT-OF-WAY.

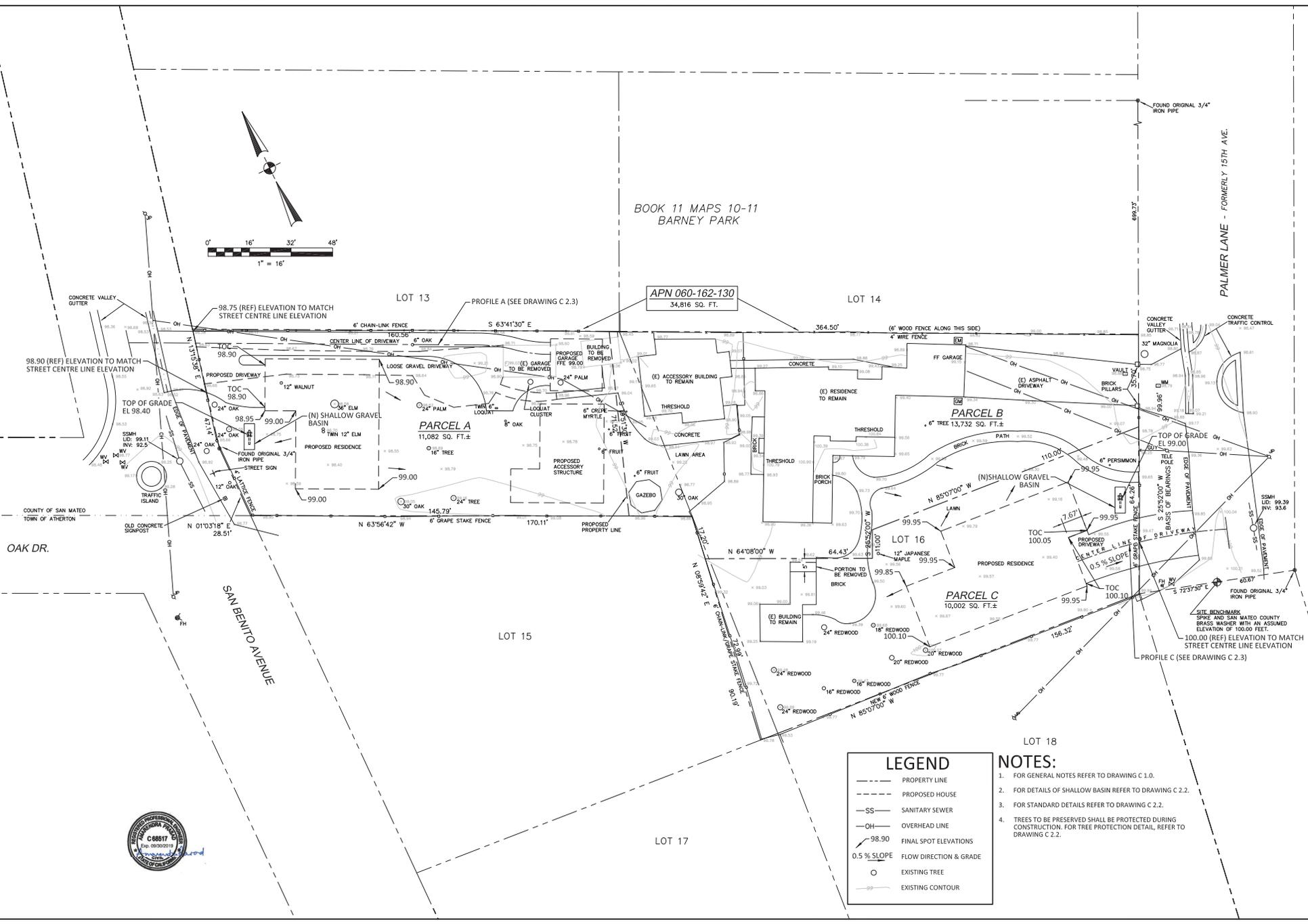
STORM DRAIN NOTES :

- GRADING SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT GRADES AS SHOWN ON THE GRADING PLAN. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE DISPOSAL OF EXCESS EXCAVATION PLACED AT THE DIRECTION OF THE PROJECT ENGINEER IN ADVANCE OF ANY CHANGES DEEMED NECESSARY TO OBTAIN A BALANCED GRADING PROGRAM TO MEET MINIMUM STANDARDS. MINIMUM COMPACTION OUTSIDE THE STREET RIGHT-OF-WAY SHALL BE 90%.
- ALL GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS REPORT.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES AND PROVIDE NECESSARY EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS AREA IN PLACE AND FUNCTIONING.
- CONTRACTOR SHALL FOLLOW COUNTY GRADING AND DRAINAGE STANDARDS.
- ALL HARD SURFACES, SHOULD BE SLOPED TO ALLOW RUNOFF TO RUN INTO LANDSCAPED AREAS WHERE POSSIBLE.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND IT SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS OF WAY, EASEMENTS, AND OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND/OR ANT REGULATORY AGENCY.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY SEMICOLON ON THAT REQUIREMENT.



BOOK 11 MAPS 10-11
BARNEY PARK

APN 060-162-130
34,816 SQ. FT.



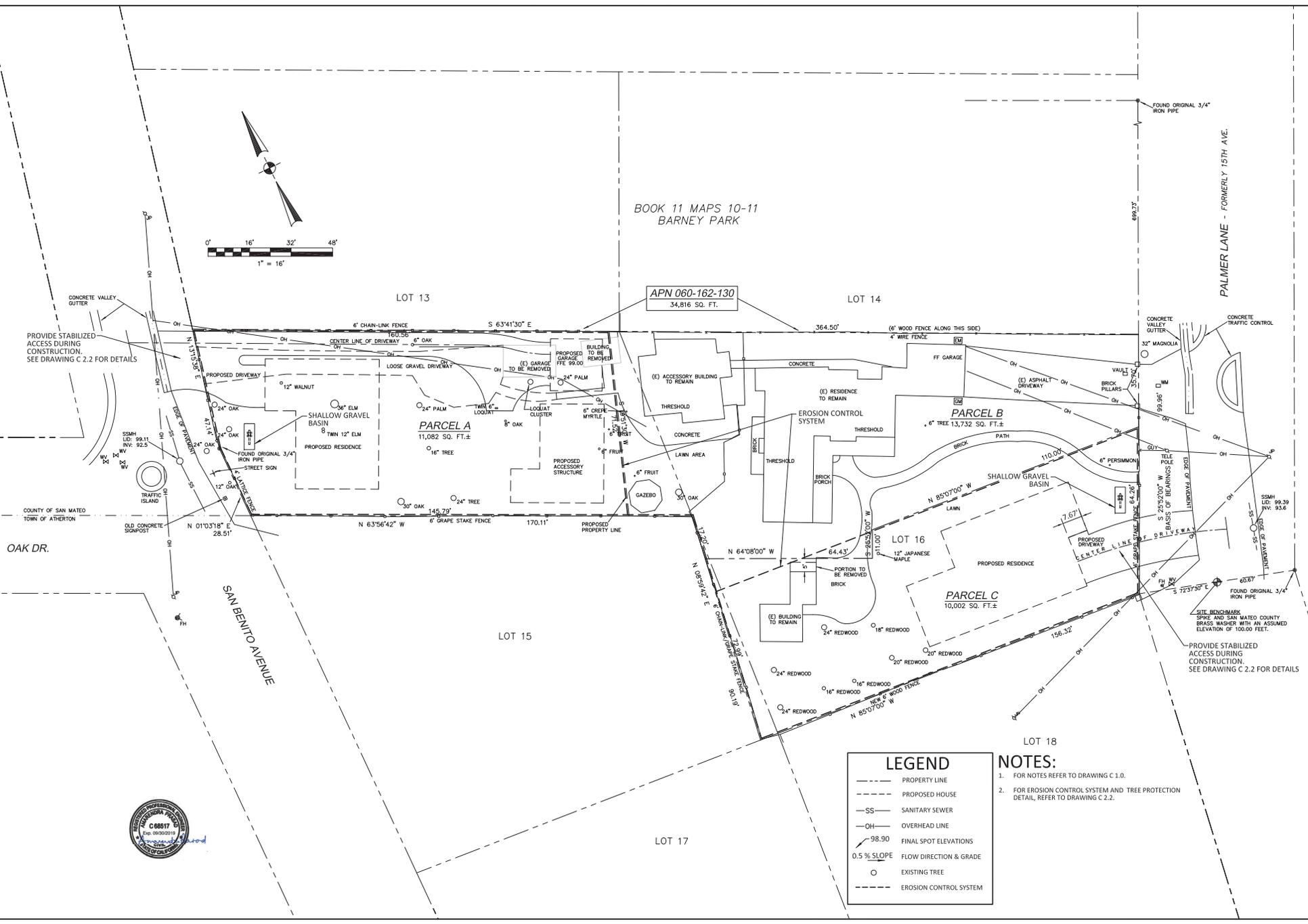
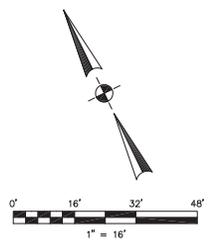
LEGEND

---	PROPERTY LINE
- - -	PROPOSED HOUSE
SS	SANITARY SEWER
OH	OVERHEAD LINE
98.90	FINAL SPOT ELEVATIONS
0.5% SLOPE	FLOW DIRECTION & GRADE
○	EXISTING TREE
—	EXISTING CONTOUR

- NOTES:**
- FOR GENERAL NOTES REFER TO DRAWING C 1.0.
 - FOR DETAILS OF SHALLOW BASIN REFER TO DRAWING C 2.2.
 - FOR STANDARD DETAILS REFER TO DRAWING C 2.2.
 - TREES TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION. FOR TREE PROTECTION DETAIL, REFER TO DRAWING C 2.2.

REV	DATE	DESCRIPTION
1	8 OCT 2018	ISSUED FOR APPROVAL





LEGEND

---	PROPERTY LINE
---	PROPOSED HOUSE
SS	SANITARY SEWER
OH	OVERHEAD LINE
98.90	FINAL SPOT ELEVATIONS
0.5% SLOPE	FLOW DIRECTION & GRADE
○	EXISTING TREE
---	EROSION CONTROL SYSTEM

- NOTES:**
- FOR NOTES REFER TO DRAWING C.1.0.
 - FOR EROSION CONTROL SYSTEM AND TREE PROTECTION DETAIL, REFER TO DRAWING C.2.2.



DESIGN EVEREST
CONSULTING ENGINEERS

365 FLOWER LANE
MOUNTAIN VIEW, CA 94035
PHONE: (650) 311-5013 FAX: (650) 695-1801

EROSION CONTROL PLAN

501 PALMER LANE

ATHERTON AND COUNTY OF SAN MATEO, CALIFORNIA

DESCRIPTION

ISSUED FOR APPROVAL

REV	DATE	DESCRIPTION
1	8 OCT 2018	ISSUED FOR APPROVAL

SIGN DATE: 12-01-2018

DATE: AS NOTED

SCALE: AS NOTED

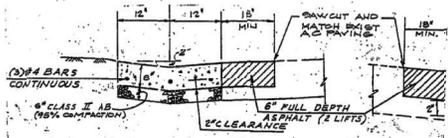
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CKD BY: AG

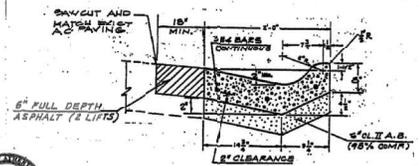
PROJECT #: 201808118

C 2.1

**SPECIFICATIONS
CONCRETE VALLEY GUTTER
OR
CONCRETE ROLLED TYPE CURB AND GUTTER**



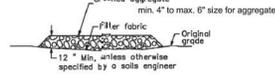
**CONCRETE VALLEY GUTTER
(NO SCALE)**



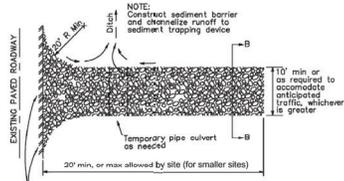
**CONCRETE ROLLED TYPE CURB AND GUTTER
(NO SCALE)**



Stabilized Construction Entrance/Exit TC-1

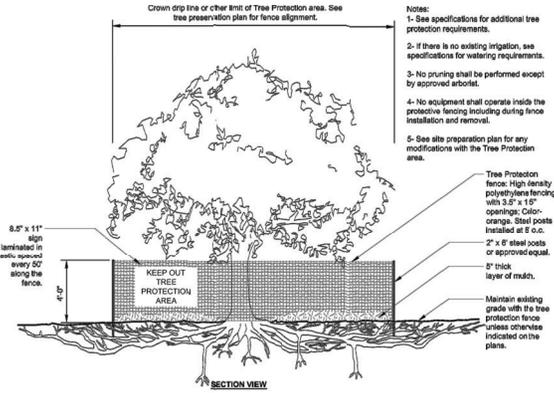


**SECTION B-B
N.T.S.**



**PLAN
N.T.S.**

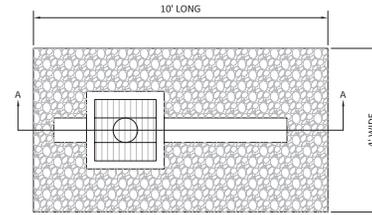
July 2012 California Stormwater BMP Handbook
Construction www.casqa.org 5 of 6



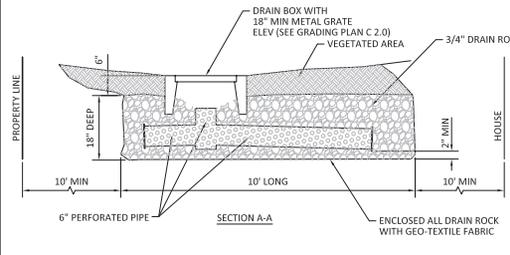
(S-X) TREE PROTECTION

URBAN TREE FOUNDATION © 2014
OPEN SOURCE TREE TOUR

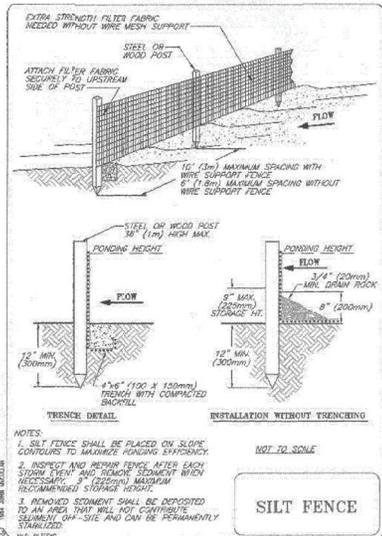
SHALLOW GRAVEL BASIN DETAIL



PLAN VIEW

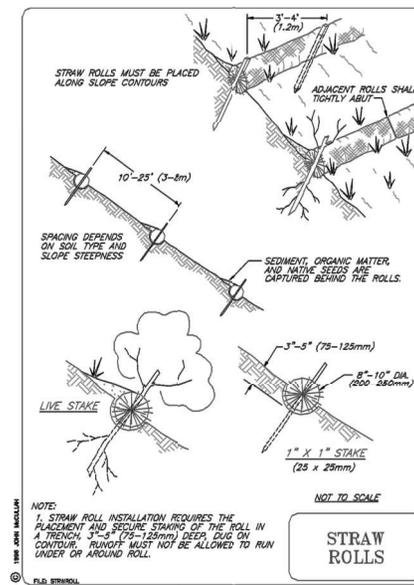


SECTION A-A



SILT FENCE

NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTIGUOUS TO MAXIMIZE FLOWING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 5' (150mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT ON-SITE AND CAN BE PERMANENTLY STABILIZED.



STRAW ROLLS

NOTE:
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3'-5' (75-125mm) DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

DESIGN EVEREST
CONSULTING ENGINEERS

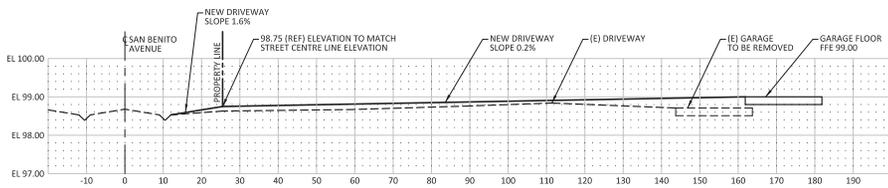
365 FLOWER LANE
MOUNTAIN VIEW, CA 94035
PHONE: (650) 311-5013 FAX: (650) 695-1801

STANDARD DETAILS
501 PALMER LANE
ATHERTON AND COUNTY OF SAN MATEO, CALIFORNIA

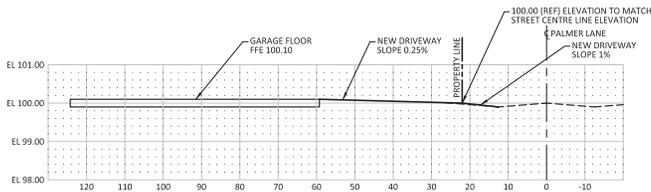
REV	DATE	DESCRIPTION
1	8 OCT 2018	ISSUED FOR APPROVAL
2		
3		
4		

SIGN DATE: 12-01-2018
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: PB
CKD BY: AG
PROJECT #: 201808118

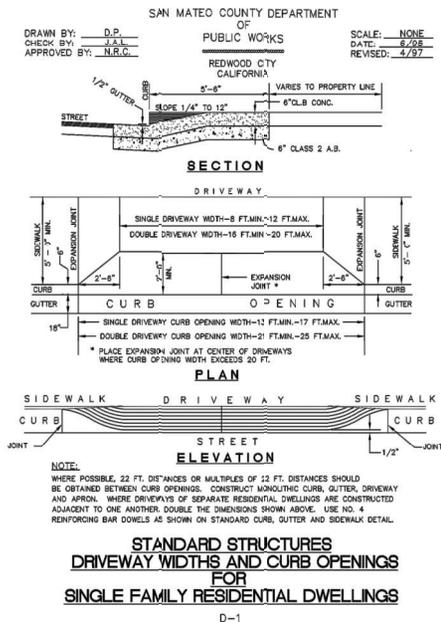
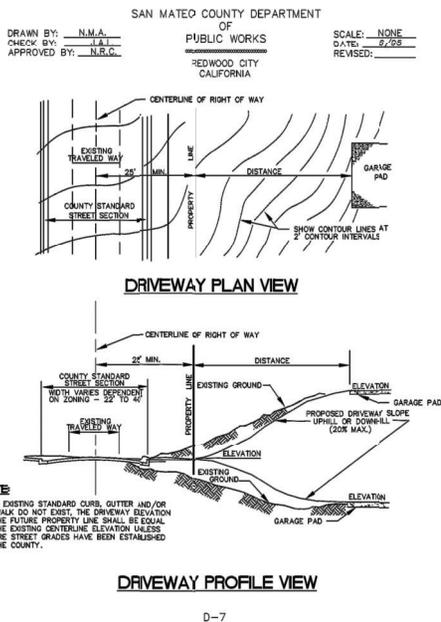
C 2.2



PROFILE - A



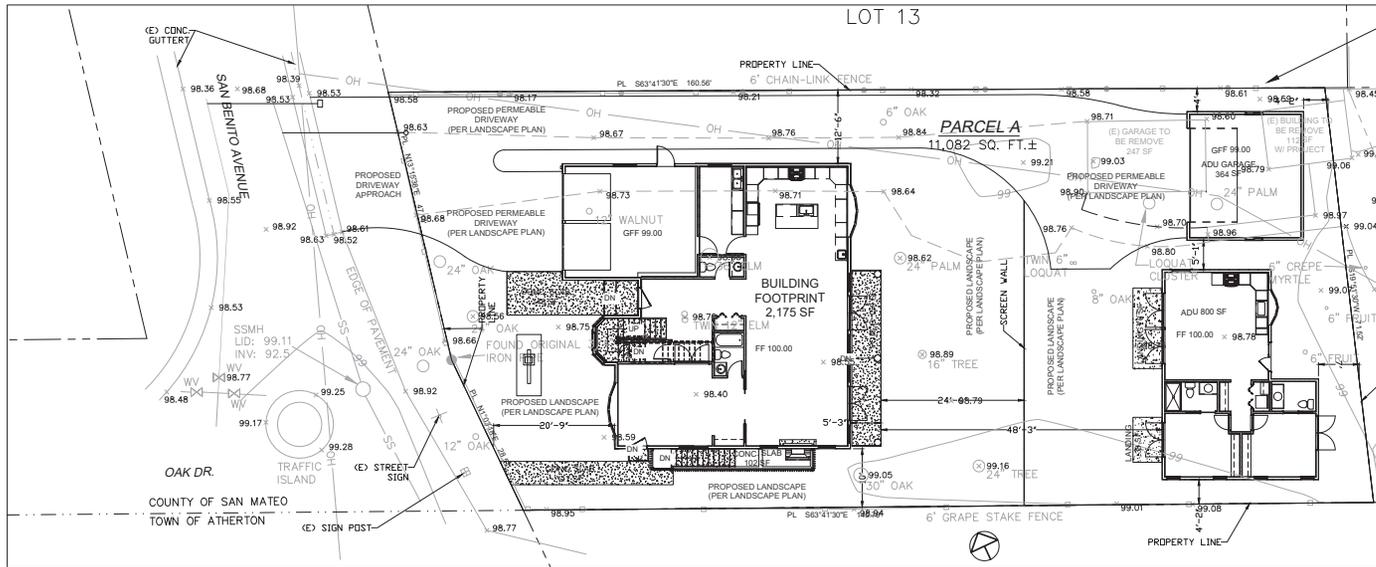
PROFILE - C



REV	DATE	DESCRIPTION
1	8 OCT 2018	ISSUED FOR APPROVAL
2		
3		
4		

SIGN DATE: 12-01-2018
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: PB
CKD BY: AG
PROJECT #: 201808118

A SFR & AN ADU IMPROVEMENT 502 SAN BENITO AVENUE MENLO PARK IN THE COUNTY OF SAN MATEO, CALIFORNIA



PLOT PLAN
SCALE: 1" = 10'



SHEET INDEX:

- TL1 SHEET 1 OF 8 TITLE SHEET
- GR1 SHEET 2 OF 8 GRADING PLAN & SECTIONS
- GR2 SHEET 3 OF 8 GRADING NOTES
- EC1 SHEET 4 OF 8 EROSION CONTROL & DETAILS
- EC2 SHEET 5 OF 8 EROSION CONTROL NOTES
- SIP1 SHEET 6 OF 8 DRIVEWAY APPROACH IMPROVEMENT
- SS1 SHEET 7 OF 8 SEWER LATERAL CONNECTION
- W1 SHEET 8 OF 8 WATER LATERAL CONNECTION

PROJECT DATA:

ADDRESS: 502 SAN BENITO AVENUE
MENLO PARK, CA 94027

APN: 060-162-130

ZONING: R-1, S-93

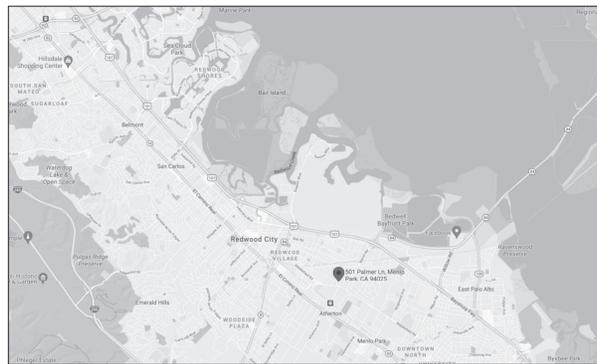
OWNER: RADARA LP.
502 SAN BENITO AVENUE
MENLO PARK, CA 94027

ARCHITECT: STUDIO BERGHOLD
1183 VIRGINIA AVE.
REDWOOD CITY, CA 94061
(650)722-2667
DESIGNED@STUDIOBERGHOLD.COM

TOPO SOURCE: BGT LAND SURVEY
871 WOODSIDE WAY
SAN MATEO, CA 94401
(650)212-1030
BTAYLOR@BGTSSURVEYING.COM

GRADING DESIGN: JIMMY CHEN, P.E.
DESIGN EVEREST,
365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
(888)512-3152

SCOPE OF IMPROVEMENTS:
A NEW TWO STORY SINGLE FAMILY HOME WITH HALF BASEMENT AND
AN ACCESSORY DWELLING UNIT PLUS DETACHED 2 CAR GARAGE.



VICINITY MAP
NOT TO SCALE

AREA CALCULATIONS:

LOT SIZE: 11,082 SF

	BUILDING/PORCH	IMPERVIOUS GAR/SHD DRIVEWAY/CONC. PAD	TOTAL	PERVIOUS
EXISTING (SF)	112	247	359	10,723
PROPOSED (SF)	3,125	364	3,964	7,118

IMPERVIOUS AREA INCREASED: 3,605 SF

QUANTITIES: CUT ^{CU} CY FILL ^Q IMPORT ^Q EXPORT ^{SET} CY

EARTHWORK QUANTITY ESTIMATE IS FOR PERMIT APPLICATION. CONTRACTOR SHALL BID EARTHWORK BASED ON ITS OWN ESTIMATE.
FOR EXPORT SOIL USE 25% EXPANSION FACTOR FOR LOOSE SOIL.



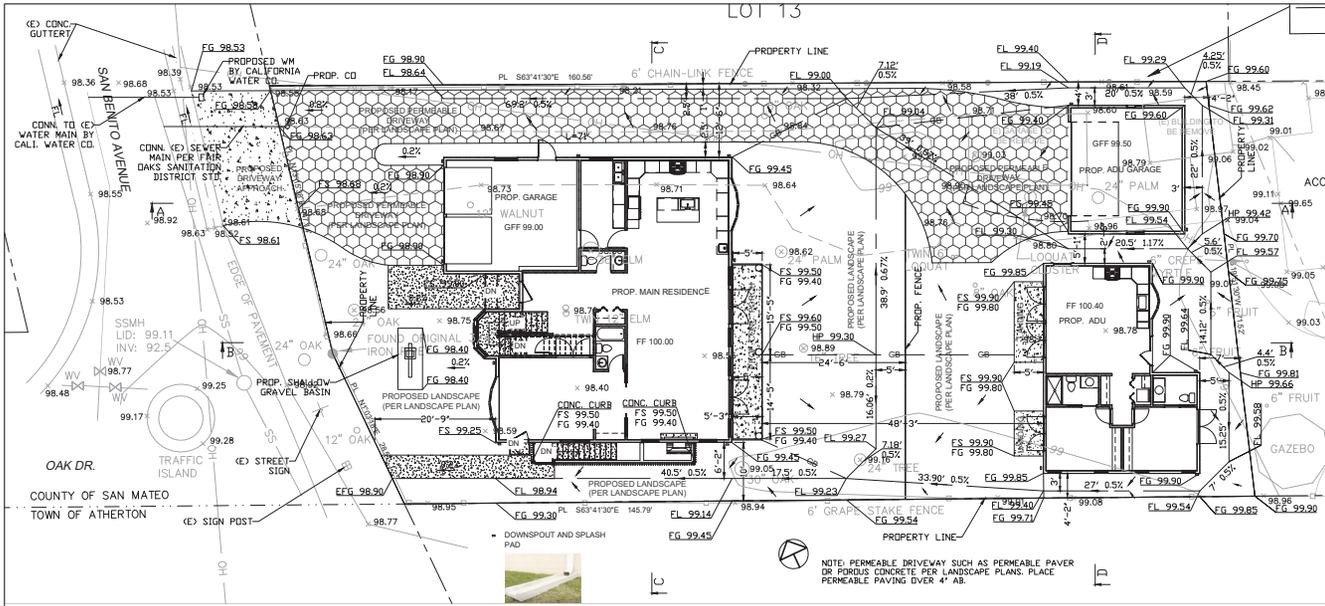
DESIGN EVEREST, INC
365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
OFFICE
PHONE: (888) 512-3152
FOR CONSTRUCTION SUPPORT
PHONE: (888) 512-3152
EMAIL: constructionsupport@designeverest.com

TITLE SHEET
SFR & ADU IMPROVEMENT AT
502 SAN BENITO AVENUE
MENLO PARK, CA 94027

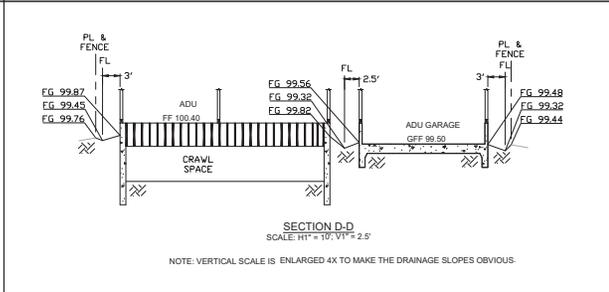
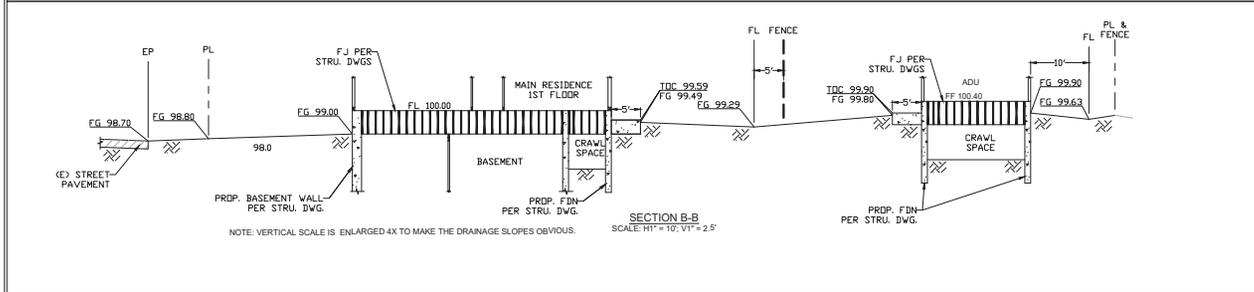
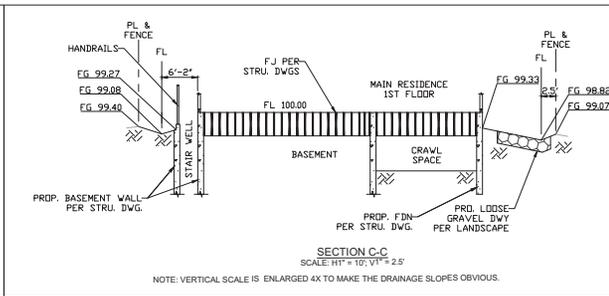
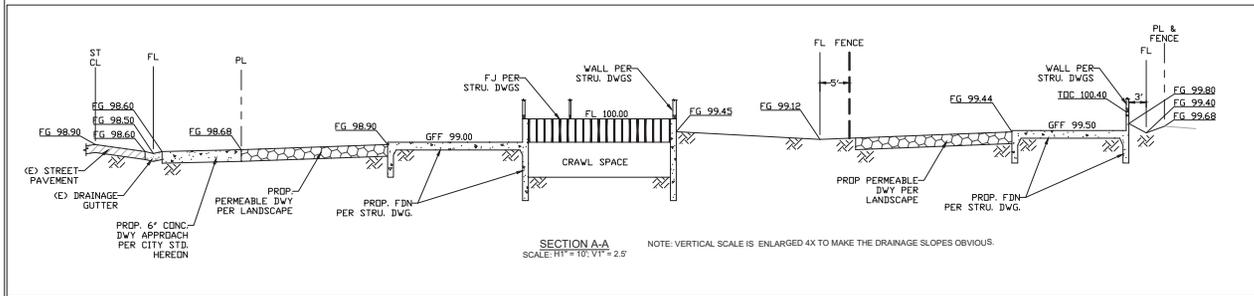
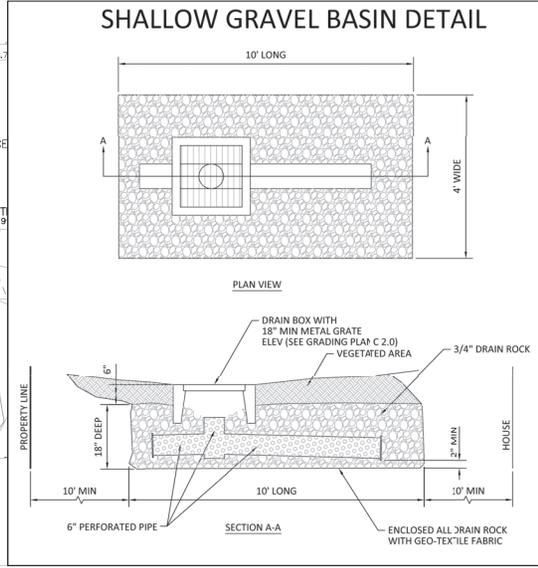
REV	DATE	DESCRIPTION
1	11-15-2021	Add Curbfill Quantity

PROFESSIONAL ENGINEER
No. C-37777
Exp. 12/31/2024
STATE OF CALIFORNIA

SIGN DATE: 11-15-2021
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: JC
CKD BY: JC
PROJECT # 20105046



GRADING PLAN
SCALE: 1" = 10'



DESIGN EVEREST, INC.
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GRADING PLAN & SECTIONS
 SFR & ADU IMPROVEMENT AT
 502 SAN BENITO AVENUE
 MENLO PARK, CA 94027

REV	DATE	DESCRIPTION

PROFESSIONAL ENGINEER
 No. 00737
 State of California
 CIVIL

SIGN DATE: 09-22-2023
 DATE: AS NOTED
 SCALE: AS NOTED
 DRAWN BY: JC
 CKD BY: JC
 PROJECT # 201205042

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF MENLO PARK MUNICIPAL CODE AND CONSTRUCTION REGULATIONS, AS WELL AS WITH THE REGULATIONS OF ALL OTHER GOVERNMENT AGENCIES WITH JURISDICTION.
2. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING DEPARTMENT AT (650) 752-0560, AT LEAST 48 HOUR PRIOR TO COMMENCING.
3. WORK, INCLUDING DELIVERIES AND MOVEMENT OF MACHINERY, IS ONLY ALLOWED BETWEEN 8AM AND 5PM, MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS OR LEGAL HOLIDAYS.
4. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT FROM THE CITY OF MENLO PARK.
5. THE CONTRACTOR SHALL KEEP ADJACENT ROADS AND STREETS OPEN FOR TRAVEL BY THE PUBLIC, ADJACENT PROPERTY OWNER, THEIR VISITORS AND GUESTS AT ALL REASONABLE TIMES. BLOCKAGE OF A STREET OR ROAD EXCEEDING FIVE MINUTES IS A VIOLATION OF THE CITY OF MENLO PARK MUNICIPAL CODE.
6. ANY CONSTRUCTION SITE THAT IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY MUST BE ADEQUATELY SCREENED TO THE SATISFACTION OF THE BUILDING OFFICIAL. SCREENING SHALL CONSIST OF MATERIALS APPROVED BY THE BUILDING OFFICIAL AND MUST BE IDENTIFIED ON THESE PLANS.
7. ANY DISTURBANCE OF THE WATER SERVICE LATERAL OR METER MUST BE APPROVED IN ADVANCE BY CALIFORNIA WATER SERVICE COMPANY, BEAR GULCH DISTRICT, AT 3525 ALAMEDA DE LAS PULGAS, MENLO PARK, CA 94025; PHONE (650) 367-6800 (REGULAR OR OFF-HOURS).
8. ANY DISTURBANCE OF THE SANITARY SEWER CLEAN OUT, OR THE SEWER LATERAL DOWNSTREAM OF THE CLEANOUT AT THE PROPERTY LINE MUST BE APPROVED IN ADVANCE BY THE FAIR OAKS SANITARY DISTRICT, 555 COUNTY CENTER- 5TH FLOOR, REDWOOD CITY, CA 94063; PHONE (650) 363-4100 (REGULAR OR OFF-HOURS).
9. NO CONNECTION IS ALLOWED BETWEEN THE STORM WATER COLLECTION AND TREATMENT SYSTEMS AND THE SANITARY SEWER SYSTEM.
10. ALL DRAINAGE-SYSTEM PIPES MUST BE INSPECTED BEFORE COVERING. INSPECTION CAN BE DONE IN STAGES AS BACKFILLING PROCEEDS, TO ALLOW SUPPORT TO BE PROVIDED BEFORE INSTALLING PIPES THAT ENTER THE SIDES OF STRUCTURES.

GRADING NOTES:

1. CONTRACTOR TO LOCATE A SUITABLE AREA TO USE FOR EQUIPMENT LAYDOWN WITHIN THE PROPERTY OR TEMPORARILY USE THE STREET FRONTAGE. CONTRACTOR SHOULD PARK THEIR VEHICLES IN THE STREET AND NEED TO CLEAN THE STREET BEFORE THE END OF THE DAY.
2. CONTRACTOR SHALL ACQUIRE AN ENCROACHMENT PERMIT FROM PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION IN PUBLIC RIGHT-OF-WAY.

STORM DRAIN NOTES :

1. GRADES AS SHOWN ON THE GRADING PLAN. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE DISPOSAL OF EXCESS EXCAVATION PLACED AT THE DIRECTION OF THE PROJECT ENGINEER IN ADVANCE OF ANY CHANGES DEEMED NECESSARY TO OBTAIN A BALANCED GRADING PROGRAM TO MEET MINIMUM STANDARDS. MINIMUM COMPACTION OUTSIDE THE STREET RIGHT-OF-WAY SHALL BE 90%.
2. ALL GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS REPORT.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES AND PROVIDE NECESSARY EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS AREA IN PLACE AND FUNCTIONING.
4. CONTRACTOR SHALL FOLLOW COUNTY GRADING AND DRAINAGE STANDARDS.
5. ALL HARD SURFACES, SHOULD BE SLOPED TO ALLOW RUNOFF TO RUN INTO LANDSCAPED AREAS WHERE POSSIBLE.
6. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT. AND IT SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHTS OF WAY, EASEMENTS, AND OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER, ENGINEER, AND OR ANT REGULATORY AGENCY.
9. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY SEMICOLON ON THAT REQUIREMENT.

DESIGN EVEREST, INC



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GRADING CONTROL NOTES

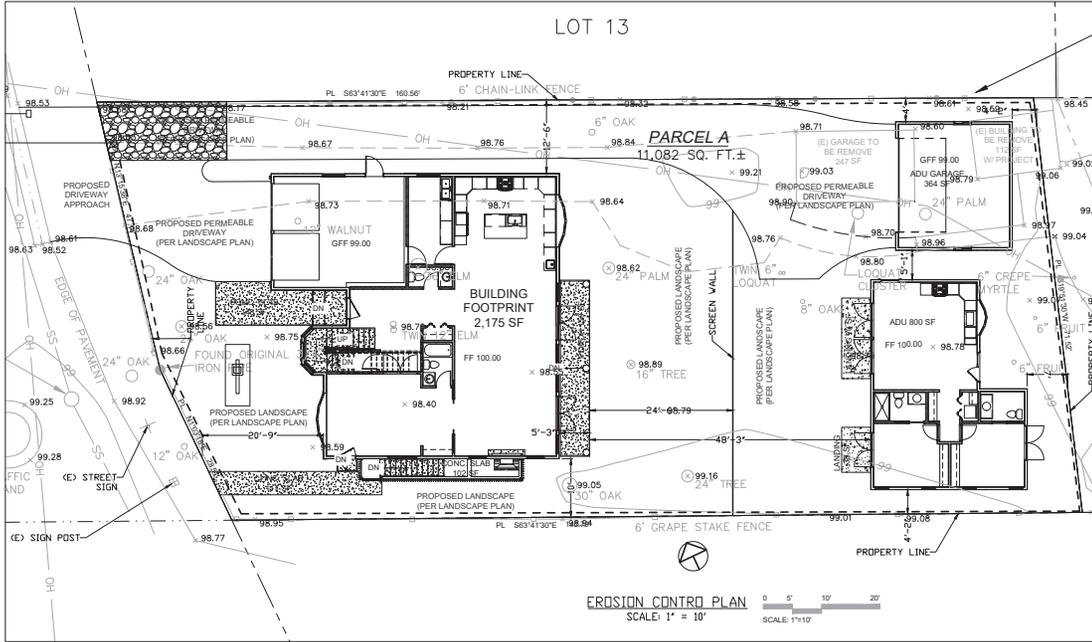
SFR & ADU IMPROVEMENT AT

502 SAN BENITO AVENUE
MENLO PARK, CA 94027

REV	DATE	DESCRIPTION

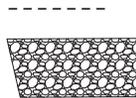


SIGN DATE: 09-22-2021
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: JC
CKD BY: JC
PROJECT #: 202105042

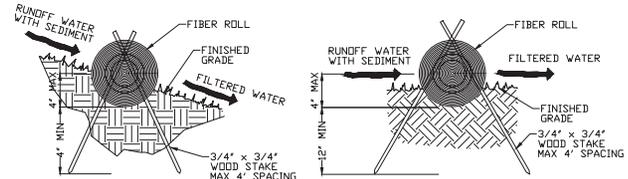


EROSION CONTROL PLAN
SCALE: 1" = 10'

LEGENDS:



FIBRE ROLLS
STABILIZED CONSTRUCTION ENTRANCE/EXIT



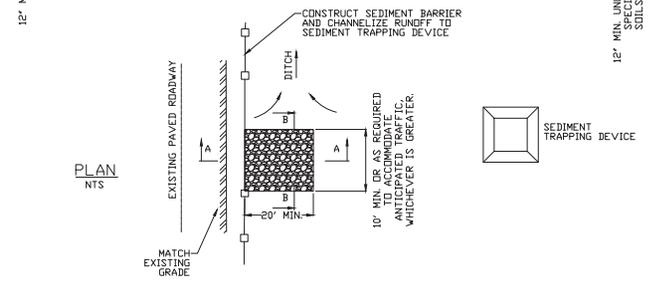
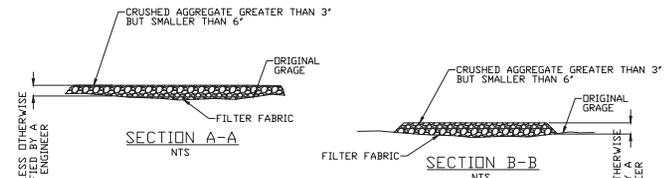
ENTRENCHMENT DETAIL
IN SLOPE AREA

ENTRENCHMENT DETAIL
IN FLAT AREA

NOTES:

1. PREPARE SLOPE BEFORE THE FIBER ROLL PROCEDURE IS STARTED.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3' TO 4' DEEP, RUN PARALLEL TO THE CONTOUR. INSTALL FIBER ROLL FROM THE BOTTOM OF THE SLOPE AND WORK UP.
3. USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE FIBER ROLL AND INTO THE SOIL FOR WOODEN STAKES.
4. DRIVE THE STAKE THROUGH THE PREPARED HOLE INTO THE SOIL. LEAVE ONLY ONE OR TWO INCHES OF STAKE EXPOSED ABOVE FIBER ROLL.
5. INSTALL STAKES AT LEAST EVERY THREE FEET APART THROUGH THE FIBER ROLL.
6. ADJACENT FIBER ROLLS SHALL TIGHTLY ABUT.
7. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.
8. INSTALL AT LOCATIONS SHOWN ON PLANS. IN SLOPE AREAS SPACE FIBER ROLLS EVERY 5 VERTICAL FEET ON SLOPE.

1 FIBER ROLLS
NTS



NOTES:

1. ALL CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TYPING UP WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USE TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.
2. WHEELS SHALL BE CLEAN PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF INLET PROTECTION (E.G. SAND BAGS OR OTHER APPROVED METHODS).
3. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 3" TO 5" STONE.
4. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12".
5. THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

2 STABILIZED CONSTRUCTION ENTRANCE/EXIT
NTS

DESIGN EVEREST, INC.
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EROSION CONTROL

SFR & ADU IMPROVEMENT AT
502 SAN BENITO AVENUE
MENLO PARK, CA 94027

REV	DATE	DESCRIPTION
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SIGN DATE: 09-22-2020
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: JC
CKD BY: JC
PROJECT #: 20210504E

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. Owner: The Girerd Family, 502 San Benito Avenue, Menlo Park, CA 94062. It shall be the owner's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the soil erosion control plan.
2. Civil Engineer: Jimmy Chen, Design Everest, 365 Flower Lane, Mountain View, CA 94043, (888)512-3152
3. Construction Superintendent: Contact Owner
Contractor: TBD
4. This plan is intended to be used for interim erosion and sediment control only and is not to be used for final elevations or permanent improvements.
5. Developer will submit to the City monthly (at the first of each month between Oct 1st and April 30th) certifications that all erosion/sediment measures identified on the approved erosion control plan are in place. If measures are not in place, Developer shall provide the City with a written explanation of why the measure is not in place and what will be done to remedy this situation.
6. Owner/contractor shall be responsible for monitoring erosion and sediment control measures prior, during, and after storm events.
7. Reasonable care shall be taken when hauling any earth, sand, gravel, stone, debris, paper or any other substance over any public street, alley or other public place. Should any blow, spill, or track over and upon said public or adjacent private property, immediate remedy shall occur.
8. Sanitary facilities shall be maintained on the site.
9. During the rainy season, all paved areas shall be kept clear of earth material and debris. The site shall be maintained so as to minimize sediment laden runoff to any storm drainage system, including existing drainage swales and water courses.
10. Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws concerning pollution abatement shall be complied with.
11. Contractor shall provide dust control as required by the appropriate federal, state and local agency requirements.

EROSION AND SEDIMENT CONTROL MEASURES

1. The facilities shown on this plan are designed to control erosion and sediment during the rainy season, October 1 to April 30. Facilities are to be operable prior to September 15 of any year. Grading operations during the rainy season which leave denuded slopes shall be protected with erosion control measures immediately following grading on the slopes. During the non-rainy season Best Management Practices (BMPs) must be implemented during construction which includes, but is not limited to: sand bags or fiber rolls.
2. This plan covers only the first winter following grading with assumed site conditions as shown on the Erosion Control Plan. Prior to September 15, the completion of site improvement shall be evaluated and revisions made to this plan as necessary with the approval of the City Engineer. Plans are to be resubmitted for city approval prior to September 1 of each subsequent year until site improvements are accepted by the City.
3. Construction entrances shall be installed prior to commencement of grading. All construction traffic entering onto the paved roads must cross the stabilized construction entrance ways. (Also include this note on grading plans.)
4. Contractor shall maintain stabilized entrance at each vehicle access point to existing paved streets. Any mud or debris tracked onto public streets shall be removed daily and as required by the City.
5. If hydroseeding is not used or is not effective by 09/23, then other immediate methods shall be implemented, such as Erosion control Blankets, or a three-step application of 1) seed, mulch, fertilizer 2) blown straw 3) tackifier and mulch.
6. Inlet protection shall be installed at open inlets to prevent sediment from entering the storm drain system. Inlets not used in conjunction with erosion control are to be blocked to prevent entry of sediment.
7. Lots with houses under construction will not be hydroseeded. Erosion protection for each lot with a house under construction shall conform to the Typical Lot Erosion Control Detail shown on this sheet.
8. This erosion and sediment control plan may not cover all the situations that may arise during construction due to unanticipated field conditions. Variations and additions may be made to this plan in the field. Notify the City Representative of any field changes.

Maintenance Notes

1. Maintenance is to be performed as follows:
 - a. Repair damages caused by soil erosion or construction at the end of each working day.
 - b. Swales shall be inspected periodically and maintained as needed.
 - c. Sediment traps, berms, and swales are to be inspected after each storm and repairs made as needed.
 - d. Sediment shall be removed and sediment trap restored to its original dimensions when sediment has accumulated to a depth of 1 foot.
 - e. Sediment removed from trap shall be deposited in a suitable area and in such a manner that it will not erode.
 - f. Rills and gullies must be repaired.
2. Sand bag inlet protection shall be cleaned out whenever sediment depth is one half the height of one sand bag.

DESIGN EVEREST, INC

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EROSION CONTROL NOTES

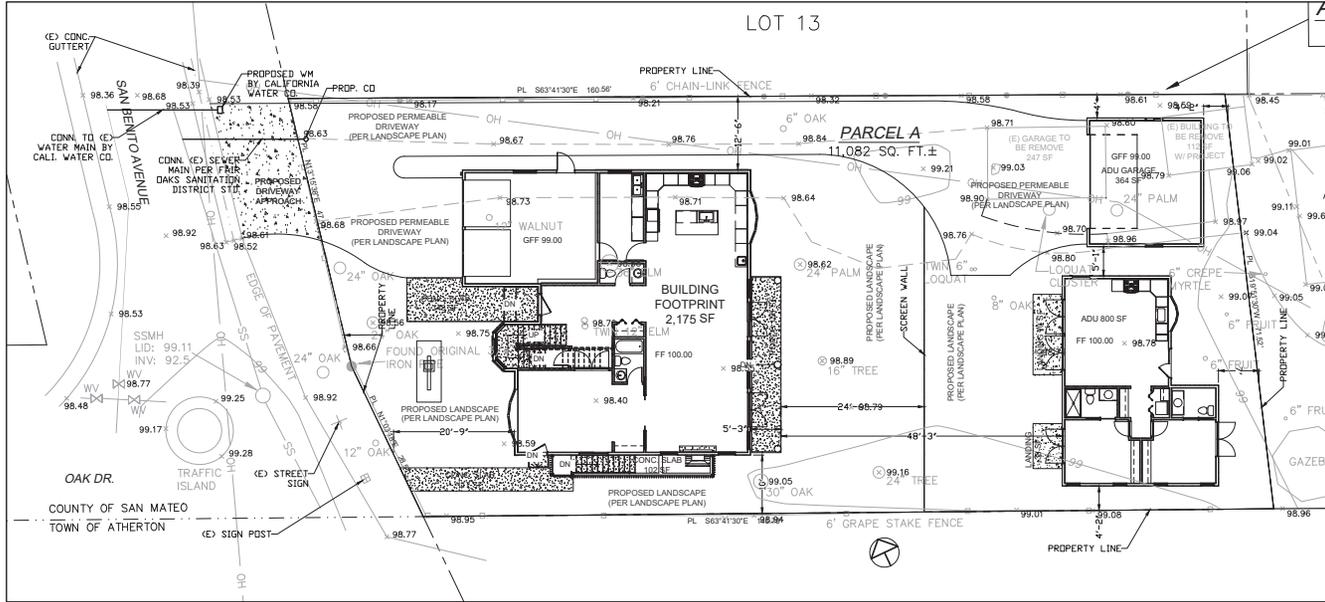
SFR & ADU IMPROVEMENT AT

502 SAN BENITO AVENUE
MENLO PARK, CA 94027

REV	DATE	DESCRIPTION
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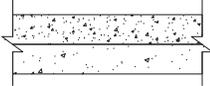
SIGN DATE: 09-22-2024
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: JC
CKD BY: JC
PROJECT #: 202105042



GRADING PLAN
SCALE: 1" = 10'



- DRIVEWAY APPROACH NOTES:
 1. 6' CL. B CONCRETE OVER 6" CL. 2 AB.
 2. SLOPE PER PLAN
 3. CONTRACTOR TO APPLY FOR AN ENCRDACHMENT PERMIT AT THE CITY OF MENLO PARK PRIOR TO START OF WORK ON PUBLIC RIGHT OF WAY.



TYPICAL DRIVEWAY APPROACH



DESIGN EVEREST, INC

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DRIVEWAY APPROACH IMPROVEMENT PLAN

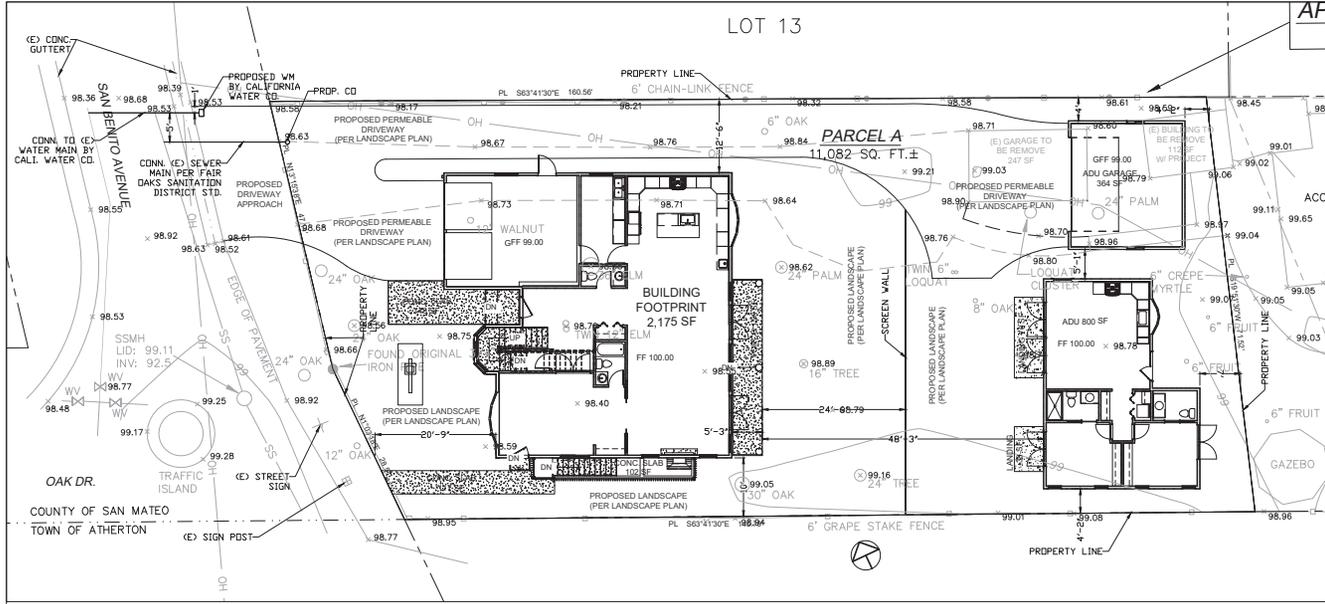
SFR & ADU IMPROVEMENT AT

502 SAN BENITO AVENUE
 MENLO PARK, CA 94027

REV	DATE	DESCRIPTION
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SIGN DATE: 09-22-2021
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 DRAWN BY: JC
 CKD BY: JC
 PROJECT #: 202105042



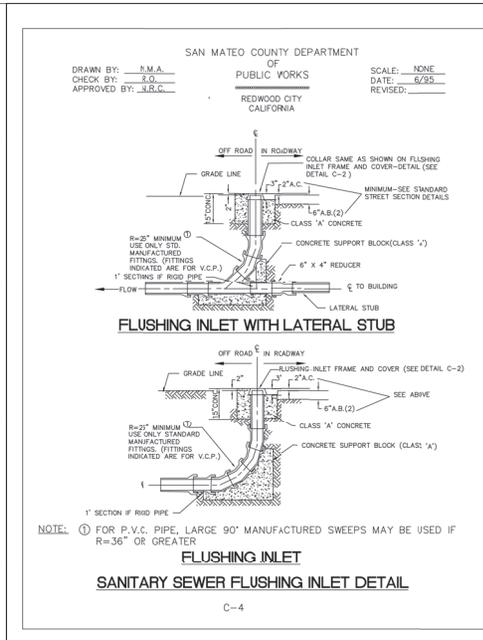
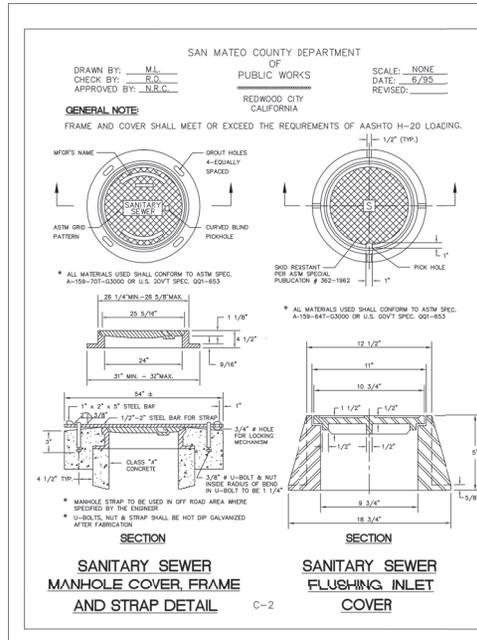
DESIGN EVEREST, INC
 365 FLOWER LANE
 MOUNTAIN VIEW, CA 94043
 PHONE: (688) 311-2015
 FOR CONSTRUCTION SUPPORT
 PHONE: (688) 512-3152
 EMAIL: construction@support@designeverest.com

SEWER LATERAL CONNECTION PLAN
 SFR & ADU IMPROVEMENT AT
 502 SAN BENITO AVENUE
 MENLO PARK, CA 94027

GRADING PLAN
 SCALE: 1" = 10'



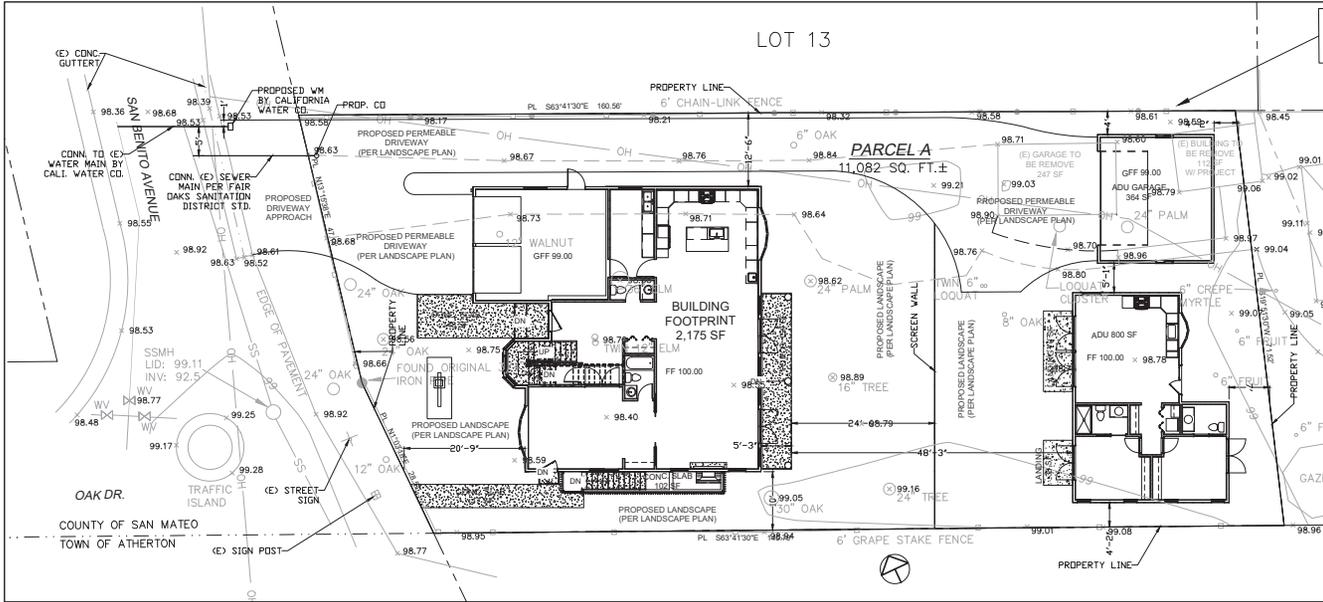
1. ANY DISTURBANCE OF THE SANITARY SEWER CLEAN OUT, OR THE SEWER LATERAL DOWNSTREAM OF THE CLEANOUT AT THE PROPERTY LINE MUST BE APPROVED IN ADVANCE BY THE FAIR OAKS SANITARY DISTRICT, 5555 COUNTY CENTER- 5TH FLOOR, REDWOOD CITY, CA 94063; PHONE (650) 363-4100 (REGULAR OR OFF-HOURS).
2. CONTRACTOR TO APPLY FOR AN ENCROACHMENT PERMIT WITH THE CITY OF MENLO PARK PRIOR TO STARTING WORK ON THE STREET RIGHT OF WAY.



REV	DATE	DESCRIPTION



SIGN DATE: 09-22-2020
 DATE: AS NOTED
 SCALE: AS NOTED
 DRAWN BY: JC
 PROJECT # 20105042



GRADING PLAN
SCALE: 1" = 10'

1. ANY DISTURBANCE OF THE WATER SERVICE LATERAL OR METER MUST BE APPROVED IN ADVANCE BY CALIFORNIA WATER SERVICE COMPANY, BEAR GULCH DISTRICT, AT 3525 ALAMEDA DE LAS PULGAS, MENLO PARK, CA 94025; PHONE (650) 367-6800 (REGULAR DR OFF-HOURS).
2. APPLY FOR WATER METER AND SERVICE LATERAL TO BE INSTALLED BY THE CALIFORNIA WATER SERVICE COMPANY.
3. CONTRACTOR TO APPLY FOR AN ENCROACHMENT PERMIT AT THE CITY OF MENLO PARK PRIOR TO STREET WORK CAN BE STARTED.



DESIGN EVEREST, INC

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WATER LATERAL CONNECTION PLAN

SFR & ADU IMPROVEMENT AT

502 SAN BENITO AVENUE
MENLO PARK, CA 94027

REV	DATE	DESCRIPTION
1		
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3		
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SIGN DATE: 09-22-2021
DATE: AS NOTED
SCALE: AS NOTED
DRAWN BY: JC
CKD BY: JC
PROJECT #: 202105046

