

Staff Report to the Zoning Administrator

Zoning Administrator Application Number: 221092

Applicant: Hogan Land Services **Owner:** Ignatius & Pauline Lomonaco

APN: 043-082-08

Site Address: 317 Beach Drive, Aptos

Agenda Date: 9/16/22 Agenda Item #: 2 Time: After 9:00 a.m.

Project Description: Proposal to recognize work authorized under Emergency Coastal Development Permit 171316, to repair of a storm damaged coastal bluff by constructing a nine foot high retaining wall at the base of the bluff and a 11.5 foot high debris barrier on the slope above an existing single family dwelling.

Location: Property is located on the east side of Beach Drive approximately 1200 feet south of the intersection with Rio Del Mar Boulevard in the Aptos Planning Area.

Permits Required: Coastal Development Permit

Technical Reviews: Geotechnical and Geologic Report Review (REV17131)

Supervisorial District: Second District (District Supervisor: Zach Friend)

Staff Recommendation:

- Determine that the proposal is exempt from further Environmental Review under the California Environmental Quality Act.
- Approval of Application 221092, based on the attached findings and conditions.

Project Description & Setting

The project is situated among a row of homes sandwiched between the base of a coastal bluff and Beach Drive. The coastal bluff behind the project site is subject to continued erosion and failure. All of the homes along this portion of Beach Drive are within the mapped VE Flood Zone and subject to tidal and wave inundation. The west side of Beach Drive contains a sidewalk and public beach/access resulting in unimpeded views of the Monterey Bay. Many of the homes along this stretch of Beach Drive are two and three stories in height consisting of a variety of architectural styles.

Due to the location of the project site being within the mapped scenic area and between the ocean and the first through street, a Coastal Development Permit is required for the proposed improvements.

Owner: Ignatius & Pauline Lomonaco

Project Background

On October 31, 2017, Emergency Coastal Development Permit 171316 was issued for the construction of an nine-foot-high retaining wall and installation of a 11.5 foot high coastal bluff debris impact fence above the existing home located at 317 Beach Drive. All work associated with the emergency repair is being completed under building permits B-174889 and B-224186. Geotechnical (soils) and Geologic Report have been prepared and submitted to the County for review and accepted by county staff under application REV171131. The project has been conditioned to require submittal of final letters from the project geologist and soils engineer to the County, to ensure all work is performed in accordance with the recommendations contained in the reports.

Zoning, General Plan & Local Coastal Program Consistency

The subject property is approximately 5,000 square feet in size, located in the R-1-6 (Single Family Residential - 6,000 square foot minimum) zone district, a designation which allows residential uses. The proposed retaining wall and debris fence is an allowed use within the zone district. The project is consistent with the site's R-UL (Urban Low Density Residential) General Plan designation.

The proposed retaining wall and debris impact fence is in conformance with the County's certified Local Coastal Program, in that the project has been designed to minimize impacts to coastal views. The structure has been sited behind the existing residence and at an elevation that optimizes safety of the occupants of the homes and is not readily visible from the public beach.

Geologic and geotechnical (soils) reports have been reviewed and accepted by the County of Santa Cruz (Exhibit G). The project has been conditioned to require Final inspection letters to ensure the project and all work will been performed in conformance with the approved plans (Exhibit D).

The project site is located between the shoreline and the first public road however, the project will not interfere with public access to the beach or ocean in that existing public access to the beach is located on the opposite side of Beach Drive from the subject parcel. The project site is not identified as a priority acquisition site in the County's Local Coastal Program.

Conclusion

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

Staff Recommendation

- Determine that the proposal is exempt from further Environmental Review under the California Environmental Quality Act.
- APPROVAL of Application Number 221092, based on the attached findings and

APN: 043-082-08

Owner: Ignatius & Pauline Lomonaco

conditions.

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

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

Report Prepared By: Nathan MacBeth

Santa Cruz County Planning Department

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Exhibits

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

CALIFORNIA ENVIRONMENTAL QUALITY ACT NOTICE OF EXEMPTION

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

Application Number: 221092 Assessor Parcel Number: 043-082-08 Project Location: 317 Beach Drive, Aptos				
Project Description: Recognize construction of a retaining wall and coastal bluff debris impact fence intended to protect existing single family dwellings				
Person or Agency Proposing Project: Hogan Land Services				
Contact Phone Number: (831) 425-1617				
 A The proposed activity is not a project under CEQA Guidelines Section 15378. B The proposed activity is not subject to CEQA as specified under CEQA Guidelines Section 15060 (c). C Ministerial Project involving only the use of fixed standards or objective measurements without personal judgment. D Statutory Exemption other than a Ministerial Project (CEQA Guidelines Section 15260 to 15285). 				
E. X Categorical Exemption				
Specify type: Class 1 - Existing Facilities (Section 15301) & Class 3 - New Construction or Conversion of Small Structures (Section 15303)				
F. Reasons why the project is exempt:				
Recognize construction of a retaining wall and coastal bluff debris impact fence above existing single family dwelling in an area designated for residential uses.				
In addition, none of the conditions described in Section 15300.2 apply to this project.				
Nathan MacBeth, Project Planner				

Coastal Development Permit Findings

1. That the project is a use allowed in one of the basic zone districts that are listed in LCP Section 13.10.170(D) as consistent with the LCP Land Use Plan designation of the site.

This finding can be made, in that the property is zoned R-1-6 (Single Family Residential - 6,000 square foot minimum), a designation which allows residential uses. The proposed retaining wall and impact debris fence is an allowed use in the zone district in that the installation is necessary to protect the existing home and occupants from threat of life and safety. The zoning is consistent with the site's R-UL (Urban Low Density Residential) General Plan designation.

The proposed retaining wall and coastal bluff face debris impact fence is consistent with General Plan Policy 6.2.16 in that it is necessary to ensure the safety of the home located at the base of the coastal bluff and life and safety of occupants and residents in the vicinity. Detailed technical studies have been reviewed and accepted which demonstrate the need for the proposed improvements. The project would not reduce or restrict existing beach access which is located across Beach Drive from the project site.

2. That the project does not conflict with any existing easement or development restrictions such as public access, utility, or open space easements.

This finding can be made, in that no such easements or restrictions are known to encumber the project site.

3. That the project is consistent with the design criteria and special use standards and conditions of this chapter pursuant to SCCC 13.20.130 and 13.20.140 et seq.

This finding can be made, in that the project is sited and designed to be visually compatible with the surrounding land uses and character of the neighborhood. The location of the retaining wall and debris impact fencing will not be readily visible form any nearby public viewshed in that it is situated behind the existing home at 317 Beach Drive. Consequently, the project would not result in an adverse impact to scenic resources. The development site is not on a prominent ridge or bluff top.

4. That the project conforms with the public access, recreation, and visitor-serving policies, standards and maps of the LCP Land Use Plan, including Chapter 2: Section 2.5 and Chapter 7.

This finding can be made, in that the project site is not identified as a priority acquisition site in the County Local Coastal Program and existing public beach access is available at across Beach Drive from the project site.

5. That the project conforms to all other applicable standards of the certified LCP.

This finding can be made, in that the structures are sited and designed to be visually compatible and integrated with the character of the surrounding neighborhood. Additionally, residential uses are allowed uses in the R-1-6 (Single Family Residential - 6,000 square foot minimum) zone district, as well as the General Plan and Local Coastal Program land use designation. Developed

Owner: Ignatius & Pauline Lomonaco

parcels in the area contain single family dwellings. Size and architectural styles vary in the area, and the design submitted is consistent with the pattern of development within the surrounding neighborhood.

6. If the project is located between the nearest through public road and the sea or the shoreline of any body of water located within the Coastal Zone, that the project conforms to the public access and public recreation policies of Chapter 3 of the Coastal Act.

This finding can be made, in that the project site is located between the shoreline and the first through public road however, the retaining wall and debris fence will not interfere with public access to the beach, ocean, or any nearby body of water. Further, the project site is not identified as a priority acquisition site in the County Local Coastal Program.

Development Permit Findings

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

This finding can be made, in that the project is located in an area designated for residential uses. Construction will comply with prevailing building technology, the California Building Code, and the County Building ordinance to ensure the optimum in safety and the conservation of energy and resources. The project has been conditioned to require recordation of a maintenance agreement to ensure long-term functionality of the retaining wall and debris fence.

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

This finding can be made, in that the proposed location of the retaining wall and debris fence and the conditions under which they will be operated or maintained will be consistent with all pertinent County ordinances and the purpose of the R-1-6 (Single Family Residential - 6,000 square foot minimum) zone district as the primary use of the property will continue to residential. Installation of the retaining wall and debris fencing was necessary to ensure safety of the existing residential structure at the base of the bluff and residents in the vicinity.

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

This finding can be made, in that an emergency coastal development permit (171316) and associated building permit were issued for the landslide repair due to an imminent risk to health and safety. The project has been designed in accordance with General Plan Policy 6.2.10 (Site development to Minimize Hazards). A Geologic Report prepared by Zinn Geology dated October 4, 2017 and Geotechnical Report prepared by Dees and Associates dated September 19, 2017, accepted by County staff under application REV17131 (Exhibit G) concluded that potential further failure of the bluff would result in a significant threat to the existing homes at the base of the coastal bluff.

Further, this finding can be made, in that the proposed residential use is consistent with the use and density requirements specified for the R-UL (Urban Low Density Residential) land use designation in the County General Plan.

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

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

This finding can be made, in that the construction of the proposed retaining wall and debris fence is to be constructed on an existing developed lot intended to protect the existing home and

Owner: Ignatius & Pauline Lomonaco

occupants from further erosion and potential hazard associated with the instability of the coastal bluff. Beyond the construction phase, the project will not require the use of utilities and will not generate additional traffic on the streets in the vicinity.

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

This finding can be made, in that the project is located along a coastal bluff which is subject to coastal erosion. The subject parcel is developed with existing single family dwelling. In terms of design, the project is consistent with retaining walls and debris fencing that has been approved and constructed in the vicinity. The proposed project will be located behind and below the roofline of the existing home therefore, will not result in potential impacts to visual resources. Construction of the retaining wall and debris fence to protect the existing home does not result in any change to the existing land use intensity and density of the neighborhood.

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

This finding can be made, in that the proposed project has been located behind existing single family dwelling and at an elevation that screens the structure from public view to the greatest extent feasible while providing the necessary protection to the homes at the base of the coastal bluff. Consequently, the project does not result in adverse impacts to coastal views and consistent with the Design Standards and Guidelines in SCC 13.11.070 through 13.11.076.

Conditions of Approval

Exhibit D: Project plans, prepared by Hogan Land Services, dated 10/06/2017.

- I. This permit authorizes the construction of a Coastal bluff debris impact fence as indicated on the approved Exhibit "D" for this permit. This approval does not confer legal status on any existing structure(s) or existing use(s) on the subject property that are not specifically authorized by this permit. Prior to exercising any rights granted by this permit including, without limitation, any construction or site disturbance, the applicant/owner shall:
 - A. Sign, date, and return to the Planning Department one copy of the approval to indicate acceptance and agreement with the conditions thereof.
 - B. Please submit a maintenance and monitoring *plan* prepared by the project civil engineer for the debris impact fence and wing walls.
 - C. A Maintenance and Monitoring *Agreement*, prepared by County staff, shall be recorded on the deed in the official records of the County of Santa Cruz (Office of the County Recorder) within 30 days from the effective date of this permit.
 - D. "Notice of Geologic Hazards, Acceptance of Risk, Liability Release, and Indemnification" shall be recorded on the parcel with the format and content of that document to be reviewed and accepted by the County of Santa Cruz prior to recordation. The Notice will provide for property owner (and all successors and assigns) agreement to an acknowledgement of coastal and geologic hazards, an acceptance of and assumption of risk, a waiver of liability against the County, and an indemnification of the County; the final language of such provisions will be consistent with the following:
 - 1. <u>Coastal Hazards</u>. That the site is subject to coastal hazards including but not limited to episodic and long-term shoreline retreat and coastal erosion, high seas, ocean waves, storms, tsunami, tidal scour, coastal flooding, liquefaction and the interaction of same;
 - 2. <u>Assume Risks</u>. To assume the risks to the Applicant and the properties that are the subject of this CDP of injury and damage from such coastal hazards in connection with the permitted development;
 - 3. <u>Waive Liability</u>. To unconditionally waive any claim of damage or liability against the County, its officers, agents, and employees for injury or damage from such coastal hazards in connection with the permitted development;
 - 4. <u>Indemnification</u>. To indemnify and hold harmless the County, its officers, agents, and employees with respect to the County's approval of the development against any and all liability, claims, demands, damages, costs (including costs and fees incurred in defense of such claims), expenses, and amounts paid in settlement arising from any injury or damage due to

such coastal hazards in connection with the permitted development; and

5. <u>Property Owner Responsible</u>. That any adverse effects to property caused by the permitted development shall be fully the responsibility of the property owner

II. Operational Conditions

- A. The Development Approval Holder(s) shall comply with the Maintenance and Monitoring *Agreement*.
- B. In the event that future County inspections of the subject property disclose noncompliance with any Conditions of this approval or any violation of the County Code, the owner shall pay to the County the full cost of such County inspections, including any follow-up inspections and/or necessary enforcement actions, up to and including permit revocation.
- C. Pursuant to Sections 16.40.040 and 16.42.080 of the County Code, if at any time during site preparation, excavation, or other ground disturbance associated with this development, any artifact or other evidence of an historic archaeological resource or a Native American cultural site is discovered, the responsible persons shall immediately cease and desist from all further site excavation and notify the Sheriff-Coroner if the discovery contains human remains, or the Planning Director if the discovery contains no human remains. The procedures established in Sections 16.40.040 and 16.42.080, shall be observed.

III. Operational Conditions

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

IV. Indemnification

The applicant/owner shall indemnify, defend with counsel approved by the COUNTY, and hold harmless the COUNTY, its officers, employees, and agents from and against any claim (including reasonable attorney's fees, expert fees, and all other costs and fees of litigation), against the COUNTY, its officers, employees, and agents arising out of or in connection to this development approval or any subsequent amendment of this development approval which is requested by the applicant/owner, regardless of the COUNTY's passive negligence, but excepting such loss or damage which is caused by the sole active negligence or willful misconduct of the COUNTY. Should the COUNTY in its sole discretion find the applicant's/owner's legal counsel unacceptable, then the applicant/owner shall reimburse the COUNTY its costs of defense, including without limitation reasonable attorney's fees, expert fees, and all other costs and

fees of litigation. The applicant/owner shall promptly pay any final judgment rendered against the COUNTY (and its officers, employees, and agents) covered by this indemnity obligation. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California and will survive termination of this development approval.

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

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

Please note: This permit expires three years from the effective date listed below unless the conditions of approval are complied with and the use commences before the expiration date.

Approval Date:	
Effective Date:	
Expiration Date:	
	C C A ICP
	Steve Guiney AICP
	Deputy Zoning Administrator

Owner: Ignatius & Pauline Lomonaco

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

LEG

DISTURBED AREA

PROPOSED WORK

CEND		<u> </u>	PROJECT	RETAINING WALL EMERGENCY
GEND		}	ADDRESS	317 BEACH DRIVE
	RECORD BOUNDARY LINE	>	CITY	APTOS, CA 95003
- · · ·	(E) FLOWLINE	>	PARCEL #S	043-082-08
	(P) FLOWLINE	>	ZONING	R-1-6
	EDGE OF GRAVEL ROAD	(TYPE OF CONSTRUCTION	H-B
00	WOOD FENCE	(LOT SIZE	4935 SFT
	WIRE FENCE	(OCCUPANCY	11

BUILDING DATA

LANDS OF LOMONACO RETAINING WALL DESIGN **EMERGENCY REPAIR**

317 BEACH DRIVE APN: 043-082-08

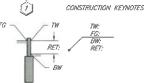
Reference: Building Permit B-174899

EXISTING MINOR CONTOUR EXISTING MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED MAJOR CONTOLIR 12" CMP (E) CULVERT/STORMDRAIN W/SIZE & TYPE (P) PERFORATED/STORMDRAIN W/SIZE & TYPE (P) CULVERT/STORMDRAIN W/SIZE & TYPF (E) ASPHALT CONCRETE SURFACE (E) GRAVEL SURFACE (P) GRAVEL SURFACE (E) CONCRETE SURFACE (P) CONCRETE SURFACE ROCK FINISH

FIBER ROLL BARRIER TREE PROTECTION

LANDSCAPE AREA SAD PROPOSED FILL RANDOM CONTROL POINT W/#

△3 EXISTING STORM DRAIN DROP INLET PROPOSED STORM DRAIN DROP INLET PROPOSED DOWNSPOUT LOCATION H FIRE HYDRANT BOLLARD WELL SPOT FLEVATION FINISH ELEVATION TREE TYPE & DIA TREE TO BE REMOVED WATER VALVE BUILDING CALLOUTS



ABBREVIATIONS

BAY

MN7

105

CLST

FSS

OAK TREE

FIR TREE

PINE TREE

BAY TREE

CHISTER

LIVE OAK TREE

REDWOOD TREE

MANZANITA TREE

LANDSCAPE TREE

TOP OF GRATE

AREA DRAIN

EXISTING

PROPOSED

PERFORATE

EXISTING GRADE

TO RE REMOVED

FIRE SAFE STANDARDS

SMOOTH PLASTIC PIPE

SMOOTH METAL PIPE

CORRUGATED METAL PIPE

LOCATION OF PROPOSED WORK UNDER THIS PERMIT **RETAINING WALL NOTES** GRAPHIC SCALE (IN FEET)

1 inch = 10 ft.

SITE WORK -

DRIVEWAY -

CUT = 0 C.Y.

F/LL = O C.Y.

FILL = O C.Y.

CUT = O C.Y.

FIII = 0.0Y

BUILDING FOUNDATION -

REINFORCED CONCRETE PIPE

FINISHED GRADE

FINISHED FLOOR

FINISHED SURFACE

SANITARY SEWER

DRAIN INLET

CLEAN OUT

CENTERLINE

TOP OF WALL

ASPHALT CONCRETE

LANDSCAPE AREA

GRADE BRAKE

DOWNSPOLITS

WATER LEVEL

GEOTECHNICAL

MINIMUM

MAXIMUM

GEO

SEE ARCHITECTURAL DRAWINGS

SEE STRUCTURAL DRAWINGS

UNLESS OTHERWISE NOTED

EARTHWORK QUANTITIES TOTAL

OVEREXCAVATION AND RECOMPACTION = 0 C.Y.

DISTURBED AREA = 1733 SFT - 0.04 ACRES

EXCAVATION OF REMNANT LANDSLIDE MATERIAL = 30 C.Y.

NET = (30 C.Y. (NO IMPORT/EXPORT) 2

CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL MATERIAL TAKEOFFS.

- . INSTALL RETAINING WALL AND PERFORM GRADING AND DRAWINGE IMPROVEMENTS IN ACCORDANCE WITH THE SANTA CRUZ COUNTY CODE (SCCC), APPLICABLE SANTA CRUZ COUNTY REGULATIONS & SANTA CRUZ COUNTY ORDINANCES & PROJECT
- 2. ALL WORK SHALL BE DONE IN COMPLANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL IMMEDIATELY MOTEY THE ENGINEER OF RECORD UPON DISCOVERING DISCREPANCES, ERRORS, OR MISSIONS IN THE PLANS. FRODER TO PLANSE PROBLEM, THE OWNER SHALL HAVE THE PLANS REVERED TO CLARRY DEPURPIED DISCREPANCES, ERRORS, OR CHISSIONS. THE APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED WITHOUT THE WRITTEN APPROVED. OF THE SHAND CAUBE COUNTY PLANS AND SPECIFICATIONS SHALL BY BE CHANGED WITHOUT THE WRITTEN AND SPECIFICATIONS SHALL BY SHALL BE SHANDED DEPURPING TO THE APPROVED. PROPRIED MODERATIONS TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BY SHALL
- 3. THE BUILDING PERMIT AND AN APPROVED COPY OF THE RETAINING WALL PLANS SHALL BE MAINTAINED ON THE PROJECT SITE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.

- PUBLIC MORKS AT (831) 434-2160 FOR FURTHER ASSISTANCE. IN ANY EVENT, THE OWNER AND/OR CONTRACTOR SHALL BE HELD LUBBLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.

ADDITIONAL NOTES

UNAUTHORIZED CHANGES AND USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes or uses of these plans. All changes to the plans must be in writing and must be JOB SITE CONDITIONS:

JOB STE CONDITIONS:

Construction contractor gases that in accordance with generally accepted construction practices, the contractor will be inquired to assume sole and complete responsibility for job site conditions during the accurse of construction of the project, including safety of all presents and repoyent; that this requirement shall apply continuously and not be finited to normal working hours, and contractor further agrees to defend, indemnity, and hald design professional hours, and contractor further agrees to defend, indemnity, and hald design professional sharmless from any and all liability, read of dilegods, in connection with performance of work on this project, excepting liability aftering from the sole negligence of the design professional.

ACEC AMERICAN COUNCIL OF ENGINEERING COMPANIES California

1

HIGHWAY 1 RIO DEL MAR BLVD PROJECT INFORMATION

PROJECT STATEMENT:
RED TAG TO BE REMOVED AFTER THE CONSTRUCTION OF A SOLDIER BEAM RETAINING WALL WITH CONCRETE LAGGING
TO REPLACE EXISTING WALL BEHIND THE EXISTING HOUSE AND CONSTRUCTION OF A SHALLOW LANDSLIDE BARRIER ABOVE
PROPOSED WALL TO REDUCE POTENTIAL IMPACTS TO STRUCTURE FROM LANDSLIDE DEBRIS

317 BEACH DRIVE APTOS, CA 95003 (831) 251-2013

STEEL FABRICATOR (AISC CERTIFIED). SOS STEEL CO., INC. 1160 RICHARD AVENUE SANTA CLARA, CA 95050

DESIGNER INFORMATION-CIVIL HOGAN LAND SERVICES 802 ESTATES DRIVE, SUITE 100A (831) 425-1617

GEOTECHNICAL ENGINEERS DEES & ASSOCIATES 501 MISSION STREET, SUITE &A SANTA CRUZ. CA 95060 ZINN GEOLOGY 2231 40TH AVENUE SANTA CRUZ, CA 95062 (831) 334-4833

<u>GEOTECHNICAL REPORT:</u>
"GEOTECHNICAL INVESTIGATION FOR PROPOSED DEBRIS FLOW
PROTECTION WALL AND RETAINING WALL" BY DEES AND ASSOCIATES, INC. DATED SEPTEMBER 2017, PROJECT NO, SCR-1149 "GEOTECHNICAL DESIGN CRITERIA FOR GROUTED TIEBACK ANCHORS"

DATED FEBRUARY 5, 2019 GEOLOGIC REFERENCES: 2 PRELIMINARY GEOLOGICAL FINDINGS AND RECOMMENDATIONS" BY ZINN GEOLOGY DATED 19, SEPT. 2017, JOB NO. 2017-005-G-SC

RETAINING WALL NOTES, CONT.

- HOGHN LAND SERVICES HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS, HOWEVER, THE DEVELOPMENT PROCESS INCLUDES ACTIVITIES OCCURRING THROUGHOUT CONSTRUCTION. PRESE ACTIVITIES INCLUDE CALCULATIONS, PLAN CHECK'S MOU PERFORMENT DURING CONSTRUCTION. SHOULD PRESENT OF THE PROPERTY OF THE CONSTRUCTION STANDS DURING CONSTRUCTION, THEY SHALL INCLUDITY MOODAL HAD SERVICES FROM ANY DAMAGES RESULTING FROM FAULTE TO PERFORM THESE LYSIS OF WALLS FROM FAULT FOR FROM FAULT FOR PROPERTY OF THE PLANS WHICH WOULD REASONABLE HAVE BEEN DESCONERED AND CORRECTION OF THE PLANS WHICH WOULD REASONABLE.
- REFER TO THE PROJECT GEOTECHNICAL REPORT FOR ADDITIONAL AND OVERRIDING SPECIFICATIONS.



SHEET INDEX TITLE SHEET

RETAINING WALL PLAN & NOTES DRAINAGE PLAN

REVISION BLOCK

COMMENTS 2/18 COMMENTS 9/19

SH Ш

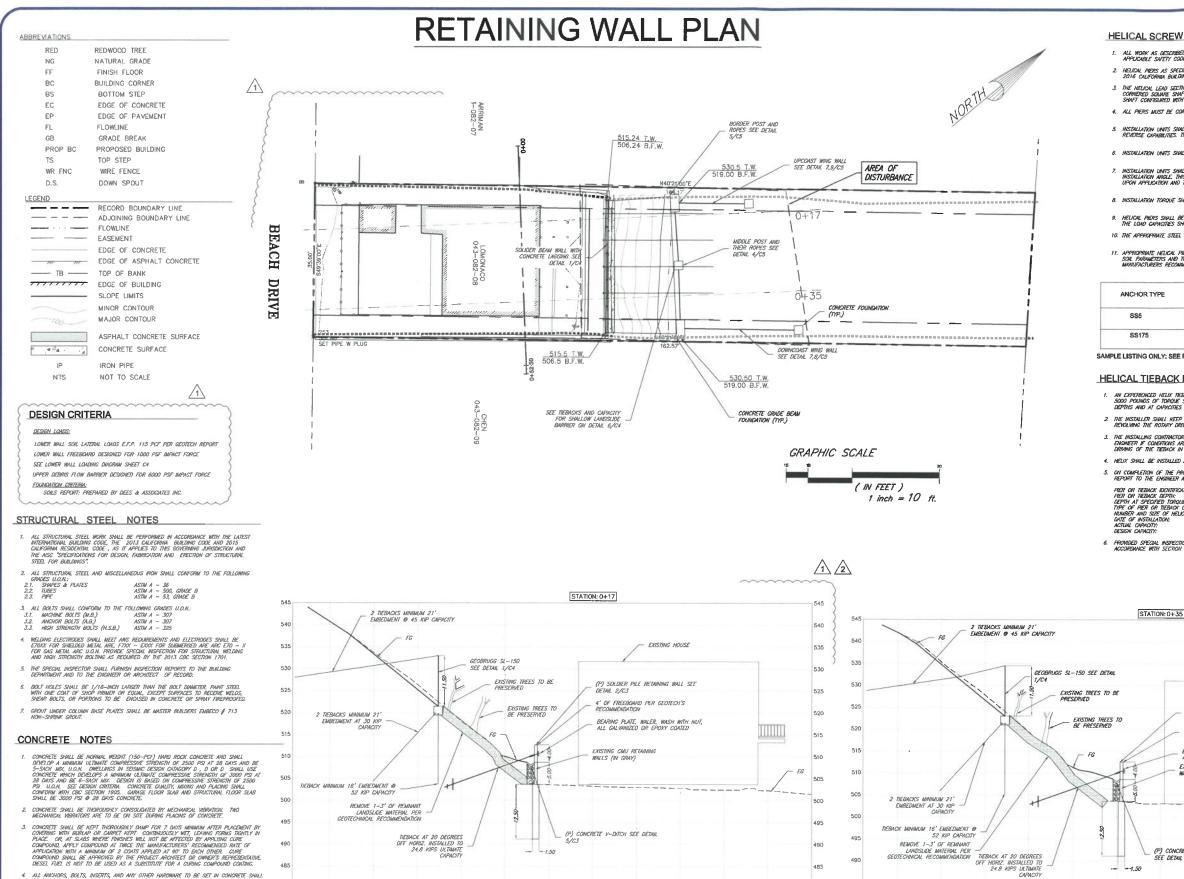
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THESE JNDER GNATIL

ERVICE

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C1 of 6



68

HELICAL SCREW PILE SPECIFICATION

- ALL WORK AS DESCRIBED HEREIN SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES IN EFFECT AT THE TIME OF INSTALLATION
- 2. HELICAL PIERS AS SPECIFIED SHALL CONFORM TO 2016 CALIFORNIA RESIDENTIAL CODE AND 2016 CALIFORNIA BUILDING CODE.

- 4. ALL PIERS MUST BE CORROSION PROTECTED BY HOT DIP GALVANIZATION.
- INSTALLATION UNITS SHALL CONSIST OF A ROTARY TYPE TORQUE MOTOR WITH FORWARD AND REVERSE CAPABILITIES. THESE UNITS ARE TYPICALLY POWERED.
- 6. INSTALLATION UNITS SHALL BE CAPABLE OF DEVELOPING THE MINIMUM TORQUE AS REQ'D.
- LLATION UNITS SMULL BE CAPABLE OF POSITIONING THE HELICAL PIER AT THE PROPER LLATION ANGLE, THIS ANGLE MAY WARY BETWEEN VERTICAL AND 5 DEGREES DEFENDING I APPLICATION AND TIPE OF LOAD TRANSER BENCE SECREDE OR REQUIRED
- 8. INSTALLATION TORQUE SHALL BE MONITORED THROUGHOUT THE INSTALLATION PROCESS
- HELICAL PIERS SHALL BE INSTALLED TO THE MINIMUM TORQUE VALUE REQUITED TO PROVED THE LOAD CAPACITIES SHOWN ON THE PLANS.
- 10. THE APPROPRIATE STEEL NEW CONSTRUCTION LOAD TRANSFER DEVICE SHALL BE USED.

ANCHOR TYPE	SHAFT SIZE	MAX. INSTALL TORQUE (FT. LB)
SS5	1 ½"	5,500
SS175	13"	10,000

SAMPLE LISTING ONLY: SEE PLAN AND STRUCTURAL DETAIL FOR ALL TIEBACK INFORMATION

HELICAL TIEBACK INSTALLATION INSTRUCTIONS

- 1. AN EXPERIENCED HELIX TREBACK INSTALLATION CONTRACTOR USING EQUIPMENT CAPABLE OF SOOD POUNDS OF TOROUS SHALL INSTALL THE HELIX TEBROIS IN LOCATIONS, IMPRIMA DEPTHS AND AT CAPACITES AS SHOWN ON THE PROJECT'S DAMBINGS AND SPECIFICATIONS.
- THE INSTALLER SHALL KEEP A CONSTANT DOWN PRESSURE ON THE TIEBACK WHILE REVOLVING THE ROTARY DRIVE AT NO MORE THAN 20 REVOLUTIONS PER MINUTE.
- 3. THE INSTALLING CONTRACTOR SHALL NOTIFY THE SOILS ENCINEER AND/OR PROJECT ENCINEER FOR CONTROLS ARE NOT AS SHOWN ON THE DRAWING PRIOR TO PROCEEDING WITH DRAWING OF THE TEBENCK IN QUESTION.
- 4. HEUX SHALL BE INSTALLED A MINIMUM OF 5 DAMETERS INTO COMPETENT SOIL
- ON COMPLETION OF THE PROJECT THE INSTALLING CONTRACTOR SHALL SUBJECT A DRIVING REPORT TO THE ENGINEER AND BULIDING DEPT. WHICH SHALL INDICATE THE FOLLOWING:

PIÉR OR TIEBACK IDENTIFICATION: PIER OR TIEBACK DEPTH:

6. PROVIDED SPECIAL INSPECTIONS FOR HELD PILE AND TIERACK ANCHORS INSTALLATIONS IN ACCORDANCE WITH SECTION 1702 OF THE CURRENT CODE

4' OF FREEBOARD PER GEOTECH'S

EXISTING CMU RETAINING WALLS (IN GRAY)

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PLANS WERE PREPARED BY ME MY DIRECTION AT THE REQUEST IS LOMONACO IN APRIL, 2017

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DRN: CHK: DATE

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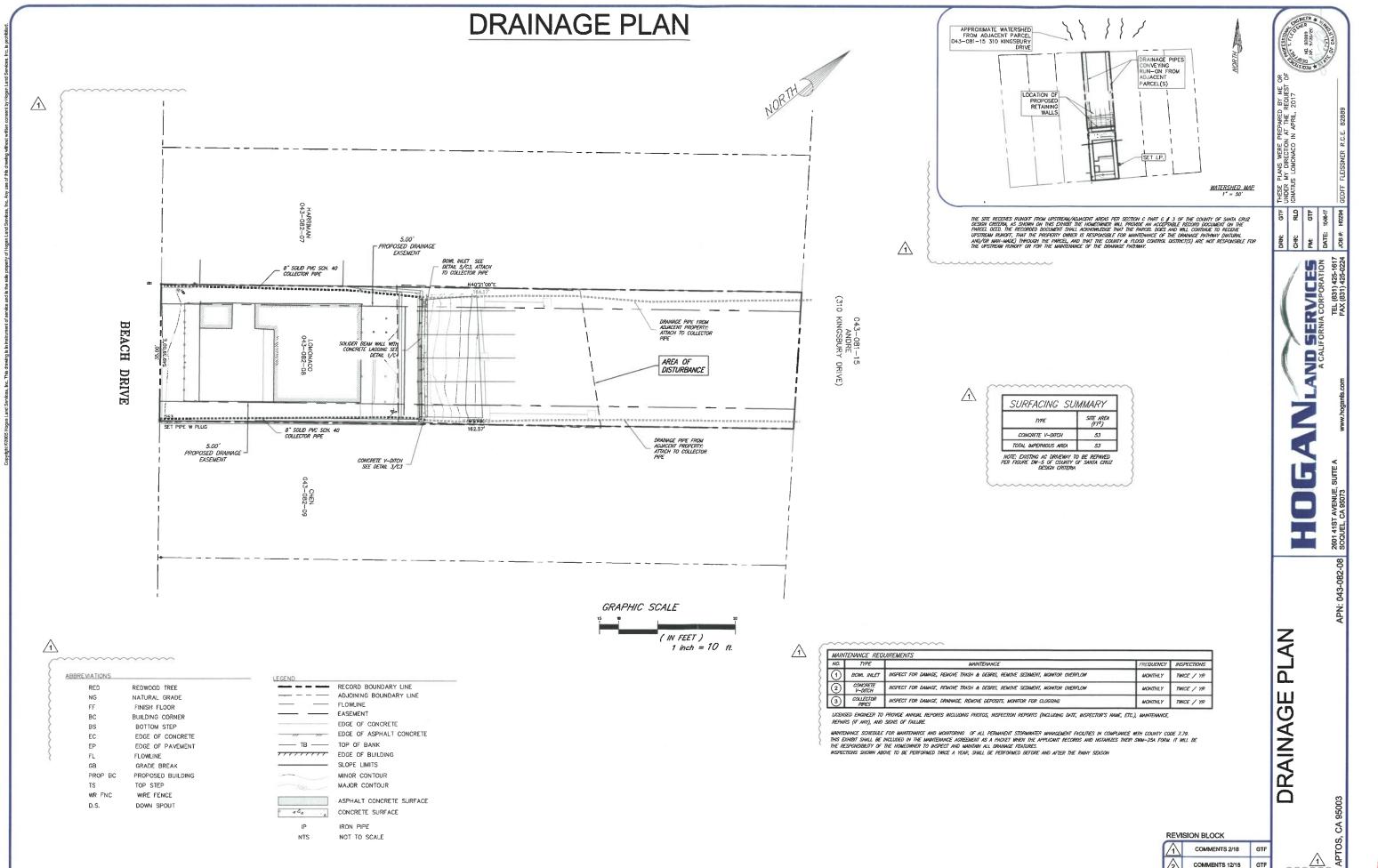
REVISION BLOCK COMMENTS 2/18 COMMENTS 12/18 COMMENTS 9/19

CONSTRUCTION JUNITS SHALL BE SANDBLASTED, OR OTHERWISE ROUGHENED, REMOVING ALL UNGOVIND CONCRETE AND LATINGCE EXPOSING SOUND AGGREGATE TO 1/4" MINIMUM AMPLITUDE DAMPEN PROPORT TO PLACING REMOVED CONCRETE.

7. NOMINAL MAXIMUM SIZE OF COURSE AGGREGATE SHALL BE NOT LARGER THAN

7.1. § THE NATROWEST DIMENSION BETWEEN FORMS, NOR
7.2. § THE DEPTH OF SLABS, NOR
7.3. § THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS.

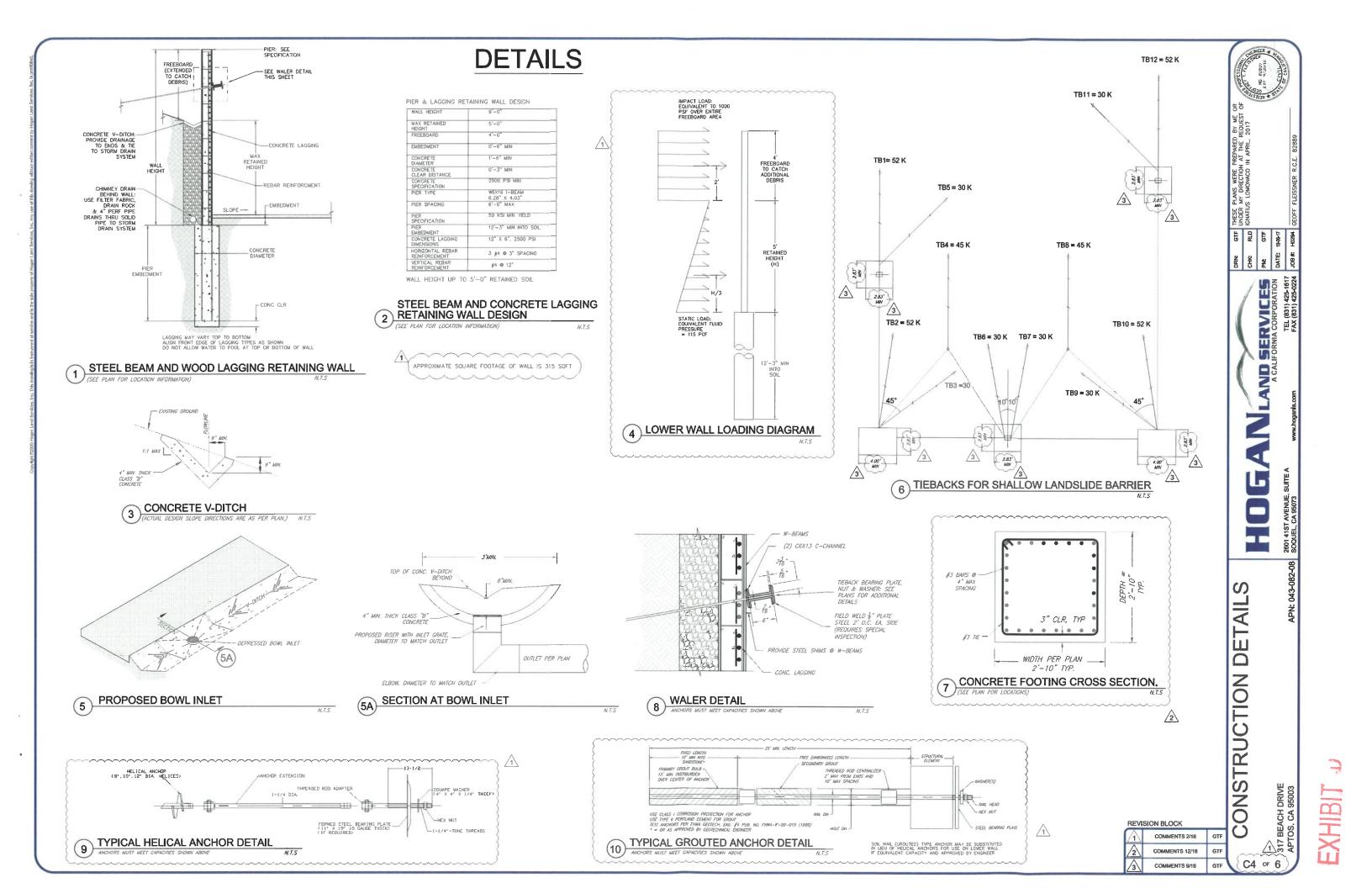


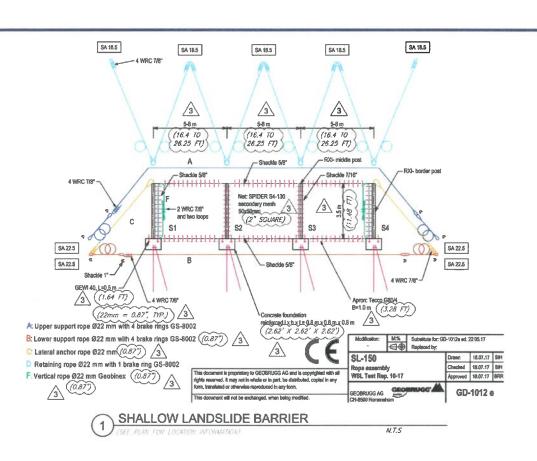


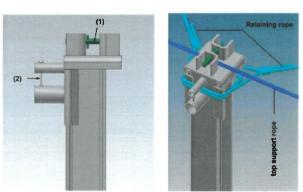
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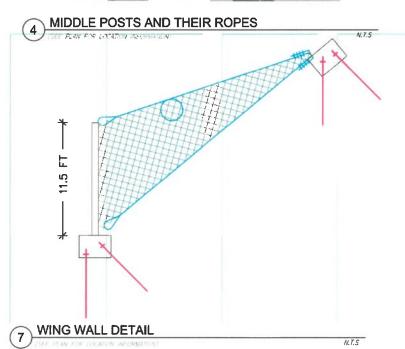
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COMMENTS 9/19

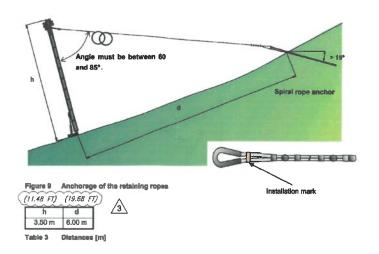




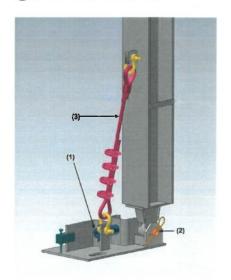




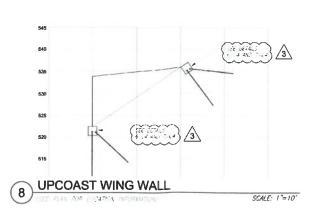
GEOBRUGG DETAILS

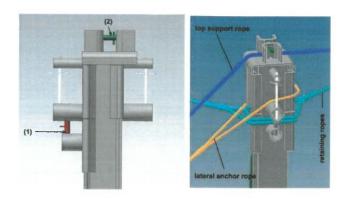






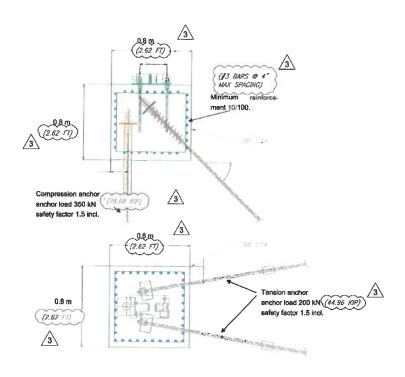
BASE PLATE & OVERTURN SECURING ROPE



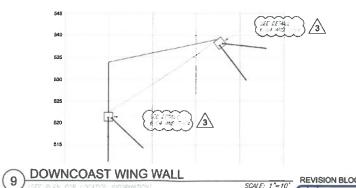


BORDER POSTS AND THEIR ROPES

N.T.S



POST FOUNDATION, SECTIONAL & PLAN VIEW



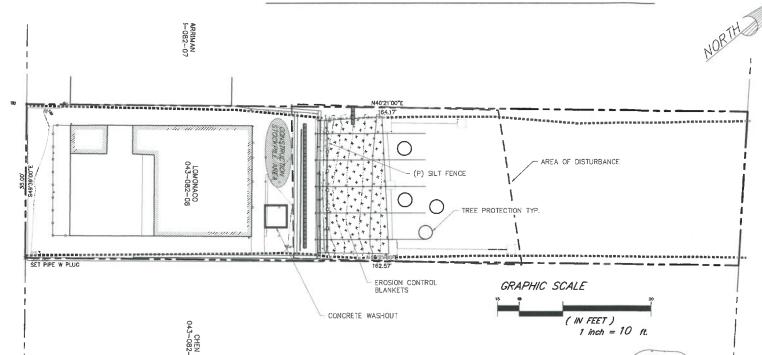
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COMMENTS 2/18 COMMENTS 12/18 COMMENTS 9/19

LAND SERVICES
A CALIFORNIA CORPORATION

DETAILS GEOBRUGG

C5 of 6



SITE HOUSEKEEPING REQUIREMENTS

BEACH

ALL LOOSE STOCKPILED CONSTRUCTION MATERIALS THAT ARE NOT ACTIVELY BEING USED (I.E. SOIL, SPOILS, AGGREGATE, FLY—ASH, STUCCO, HYDRATED LIME, ETC.) SHALL BE COVERED AND BERMED.

ALL CHEMICALS SHALL BE STORED IN WATERTIGHT CONTAINERS (WITH APPROPRIATE SECONDARY VIAINMENT TO PREVENT ANY SPILLAGE OR LEAKAGE) OR IN A STORAGE SHED (COMPLETELY ENCLOSED).

3. EXPOSURE OF CONSTRUCTION MATERIALS TO PRECIPITATION SHALL BE MINIMIZED. THIS DOES NOT INCLUDE MATERIALS AND EQUIPMENT THAT ARE DESIGNATED TO BE OUTDOORS AND EXPOSED TO ENMISONMENTAL CONDITIONS (I.E. POLLS, EQUIPMENT PADS, CABINETS, CONDUCTORS, INSULATORS, BIRCKS, ETC.).

4. BEST MANAGEMENT PRACTICES TO PREVENT THE OFF-SITE TRACKING OF LOOSE CONSTRUCTION AND LANDSCAPE MATERIALS SHALL BE IMPLEMENTED.

WASTE MANAGEMENT

1. DISPOSAL OF AND RINSE OR WASH WATERS OR MATERIALS ON IMPERVIOUS OR PERVIOUS SITE SURFACES OR INTO THE STORM DRAIN SYSTEM SHALL BE PREVENTED.

- 3. SANITATION FACILITIES SHALL BE INSPECTED REGULARLY FOR LEAKS AND SPILLS AND CLEANED OR REPLACED AS NECESSARY.
- 4. COVER WASTE DISPOSAL CONTAINERS AT THE END OF EVERY BUSINESS DAY AND DURING A RAIN EVENT
- 7. PROCEDURES THAT EFFECTIVELY ADDRESS HAZARDOUS AND NON-HAZARDOUS SPILLS SHALL BE IMPLEMENTED.

VEHICLE STORAGE AND MAINTENANCE

MEASURES SHALL BE TAKEN TO PREVENT OIL, GREASE, OR FUEL TO LEAK IN TO THE GROUND, STORM DRAINS OR SURFACE WATERS.

2. ALL EQUIPMENT OR VEHICLES, WHICH ARE TO BE FUELED, MAINTAINED AND STORED ONSITE SHALL BE IN A DESIGNATED AREA FITTED WITH APPROPRIATE BMPs.

3. LEAKS SHALL BE IMMEDIATELY CLEANED AND LEAKED MATERIALS SHALL BE DISPOSED OF PROPERLY

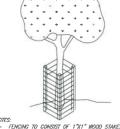
1. CONTAIN STOCKPILED MATERIALS SUCH AS MULCHES AND TOPSOIL WHEN THEY ARE NOT ACTIVELY BEING

- 2. CONTAIN FERTILIZERS AND OTHER LANDSCAPE MATERIALS WHEN THEY ARE NOT ACTIVELY BEING USED.
- 3. DISCONTINUE THE APPLICATION OF AND ERODIBLE LANDSCAPE MATERIAL WITHIN 2 DAYS BEFORE A FORECASTER RAIN EVENT OR DURING PERIODS OF PRECIPITATION.

APPLY ERODIBLE LANDSCAPE MATERIAL AT QUANTITIES AND APPLICATION RATES ACCORDING TO MANUFACTURE RECOMMENDATIONS OR BASED ON WRITTEN SPECIFICATIONS BY KNOWLEDGEABLE AND EXPERIENCED FIELD PERSONNEL.

EROSION CONTROL LEGEND

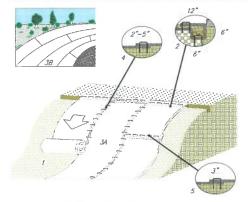
-0-0-0-SILT FENCE MATERIAL STOCKPILE LOCATION CONCRETE WASHOUT 0 INLET PROTECTION TREE PROTECTION * * * * * * * * * * * EROSION CONTROL BLANKETS



- FENCING TO COVER LOWER 48" OF TRUNK, MIN.

TREE PROTECTION DETAIL NOT TO SCALE

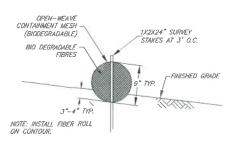
EXPOSED SOIL SHOULD BE SEEDED AND PROTECTED FROM EROSION
USING A COCONUIT EROSION CONTROL BLANKET EQUIVALENT TO NORTH
AMERICAN GREEN SC150 UNTIL A PERMANENT VEGETATIVE COVER CAN



NET & BLANKET DETAIL

VOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE

AT CONTRACTOR DESECRATION STOCK PILE AND CONCRETE WASHOUT SHALL BE PLACED AWAY FROM THE ROAD AND ALLOW VEHICLES TO PASS THROUGH DURING CONSTRICTION.



FIBER ROLL BARRIER

EROSION CONTROL NOTES

-THIS SITE

1. BETWEEN OCTOBER 15, AND APRIL 15, EXPOSED SOIL SHALL BE PROTECTED FROSEN AT ALL TIMES. HAY BALES, FILTER BERMS, OR OTHER MEANS SHALL BE EMPLOYED TO PREVENT TURBUR DRINGET TO ADJOINING PROPERTIES.

HIGHWAY 1

RIO DEL MAR BLVD

DA

2. UNNECESSARY GRADING AND DISTURBING OF SOIL SHALL BE AVOIDED.

ANY EXCESS MATERIAL SHALL BE DISPOSED OF OFF-SITE OR STOCKPILED IN A MANNER TO AVOID RUNOFF ONTO ADJOINING PROPERTIES.

UPON COMPLETION OF CONSTRUCTION, ALL REMAINING EXPOSED AREAS SHALL BE PERMANENTLY REVEGETATED WITH GRASS.

5. ANY MATERIAL STOCKPILED DURING CONSTRUCTION SHALL BE COVERED WITH PLASTIC. O. DURING CUNSTRUCTION, NO TURBID SITE WATER SHALL BE PERMITTED I ENTER THE CHANNEL OR STORM DRAIN SYSTEM. USE OF SILT AND GREASE TRAPS, FILTER BERMS, OR HAY BALES MAY BE USED TO PREVENT SUCH DISCHARGE.

8. ALL CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE COUNTY OF SANTA CRUZ. NO CLEARING, GRADING, OR EXCANATION SHALL TAKE PLACE BETWEEN OCTOBER 13 AND APPRIL 15 DIMESS THERE IS AN APPROVED WINTER EROSION CONTROL PLAN. ALL DISTURBED SON. SHALL BE SEEDED, MULCHED, OR OTHERWISE FROTECTED BY COTOBER 15.

10. BARE SOIL SHALL BE COVERED WITH SEED AND STRAW MULCH AT APPLICATION RATE OF 5 LB/1000 S.F. AND COVERED WITH A LAYER OF AT AN APPLICATION RATE OF 2-3 BALES/1000 S.F.

INSTALLATION OF SILT FENCE SEDIMENT BARRIER

1. LAY OUT A SUITABLE FENCE LINE AND SET POSTS ALONG IT. ON SLOPES, ALIGN THE FENCE ALONG THE CONTOUR AS CLOSELY AS POSSIBLE. IN SMALL SWALES, CURVE THE FENCE LINE UPSTREAM AT THE SIDES TO DIRECT THE

PROJECT INFORMATION

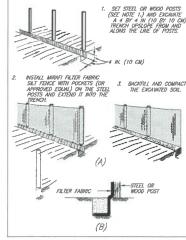
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THE FENCE LINE UPSTREAM AT THE SIDES TO DIRECT THE FLOW TOWARD THE MIDDLE OF THE FENCE. THE SIDES SHOULD BE HIGHER THAN THE CENTER AS ILLUSTRATED IN THE FIGURE AT RIGHT.

SPACE POSTS ON 6° CENTERS AND DRIVE THEM A MIN-MIDDLE OF 12 IN (30 CM) INTO THE GROUND. POSTS FOR SILT FENCES CAN BE EITHER 1 1/2° (3.8 CM) MIN. DIA. HARD WOOD OR 1.33 LB/FT (1.97 KG/M) STEEL WITH A MINIMUM LENGTH OF 5 FT (1.5 M). STEEL POSTS MUST HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.

- 2. FASTEN THE FILTER FABRIC TO THE UPHILL SIDE OF THE FENCE POSTS, AND EXTEND TO 6 TO 8 IN (15 TO 20 CM) INTO THE TRENCH. THE HISTON OF THE FENCE SHOULD NOT EXCEED 36 IN (0.9 M). DO NOT STAPLE FABRIC ONTO TREES. CUIT THE FILTER FABRIC FROM A CONTINUIOUS RILL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NICESS-AN SERVICE THE GITTER CHIEFT AT A SUBPORT POSTS WITH ANY, SPLICE THE FILTER CLOTH AT A SUPPORT POST, WITH A MINIMUM 6 IN (15 CM) OVERLAP, AND SECURELY FASTEN BOTH ENDS TO THE POST.
- 4. PREFABRICATED SILT FENCE WITH POSTS MAY BE USED AS AN ALTERNATE TO SETTING STEEL OR WOOD POSTS.

NOTE: SILT FENCE SEDIMENT BARRIER MAY BE USED AS AN ALTERNATE TO THE STRAW BALE SEDIMENT BARRIER.



SILT FENCE SEDIMENT BARRIER

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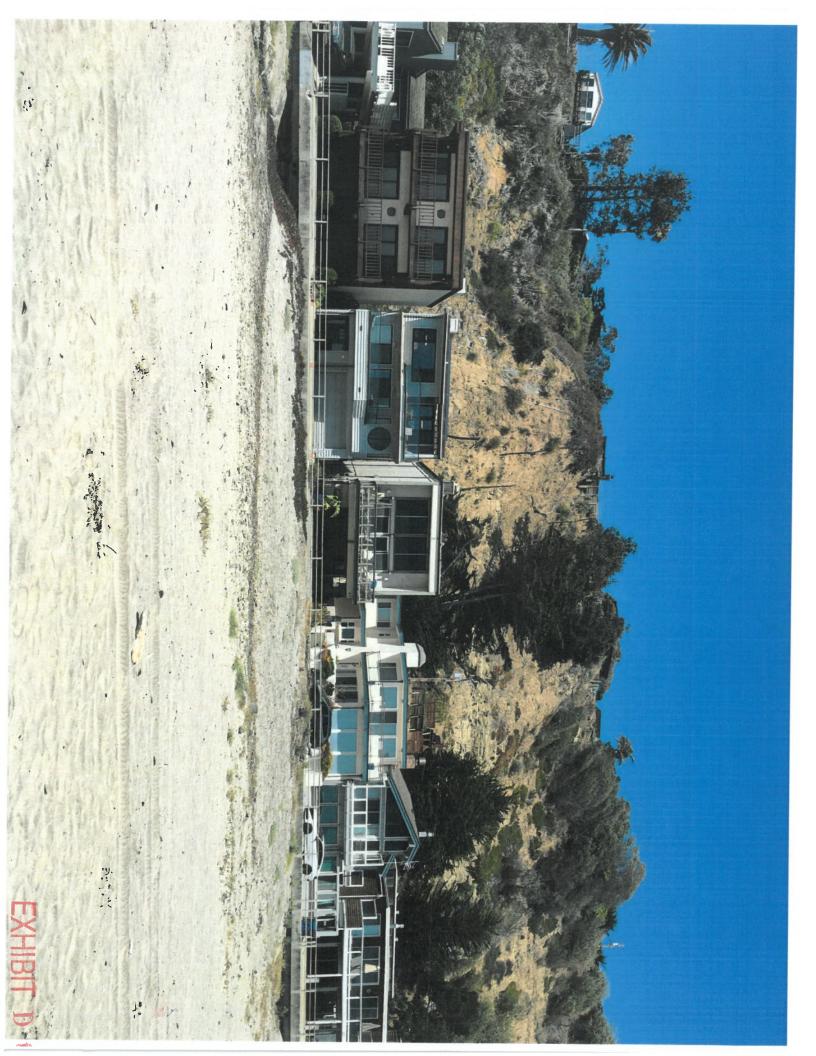
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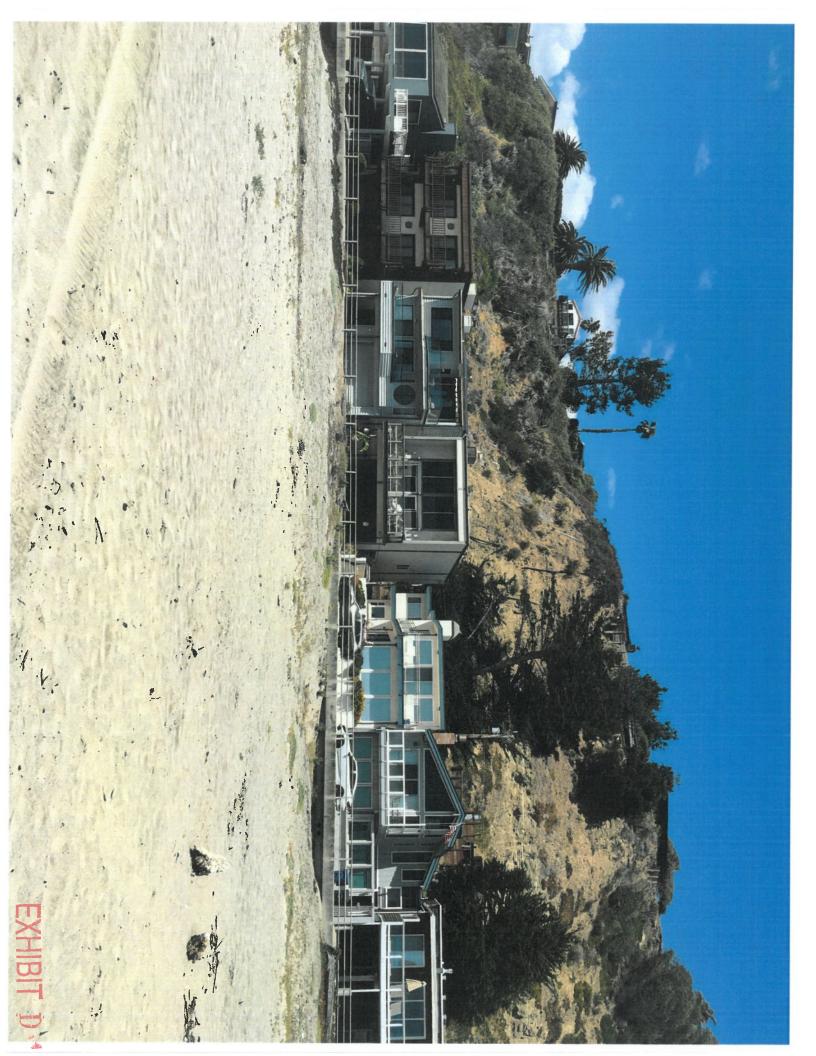
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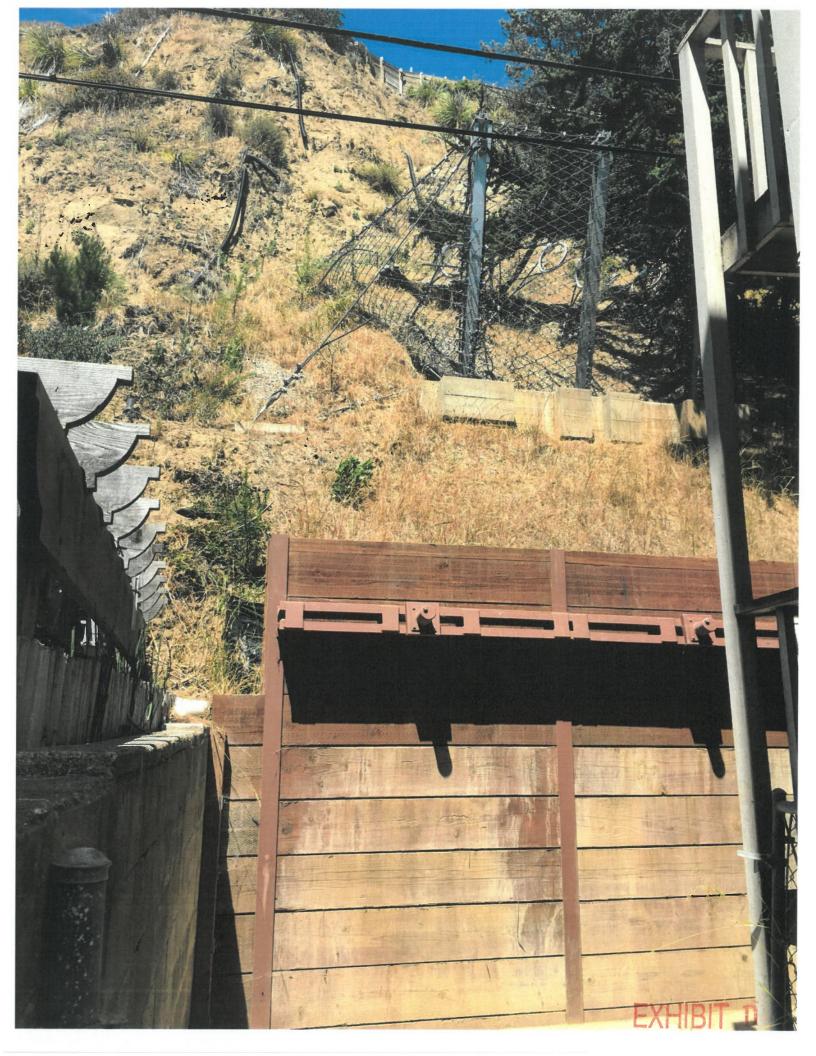
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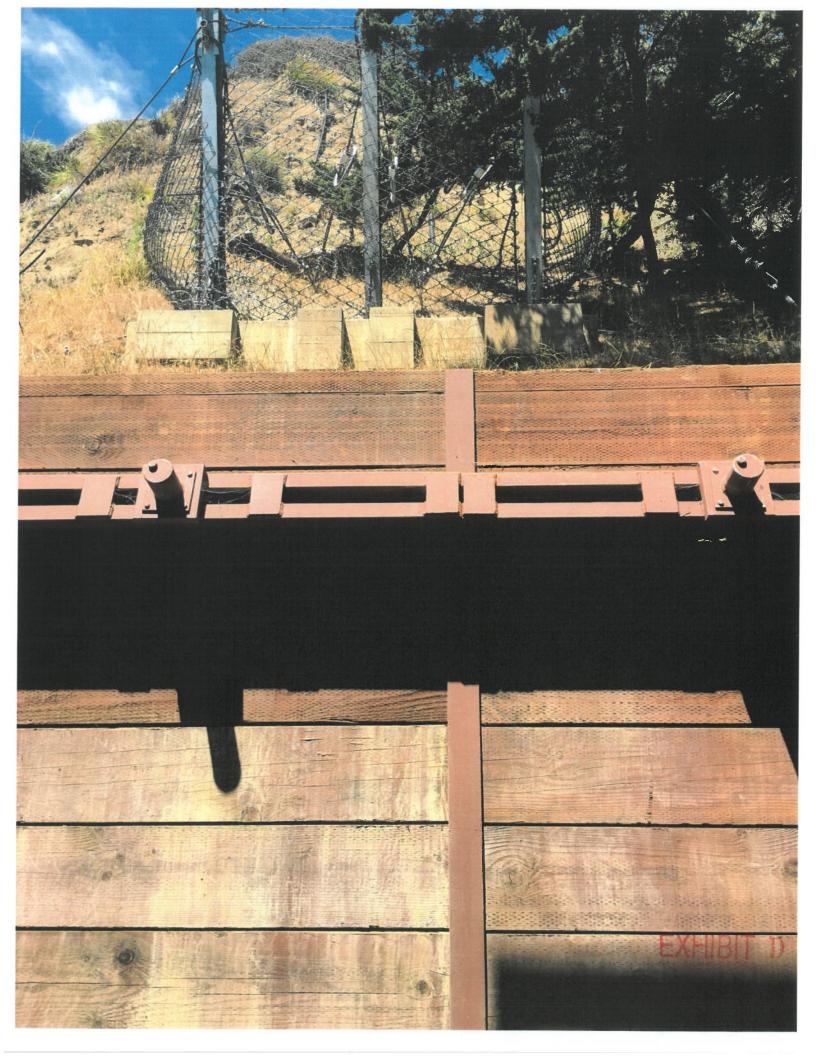
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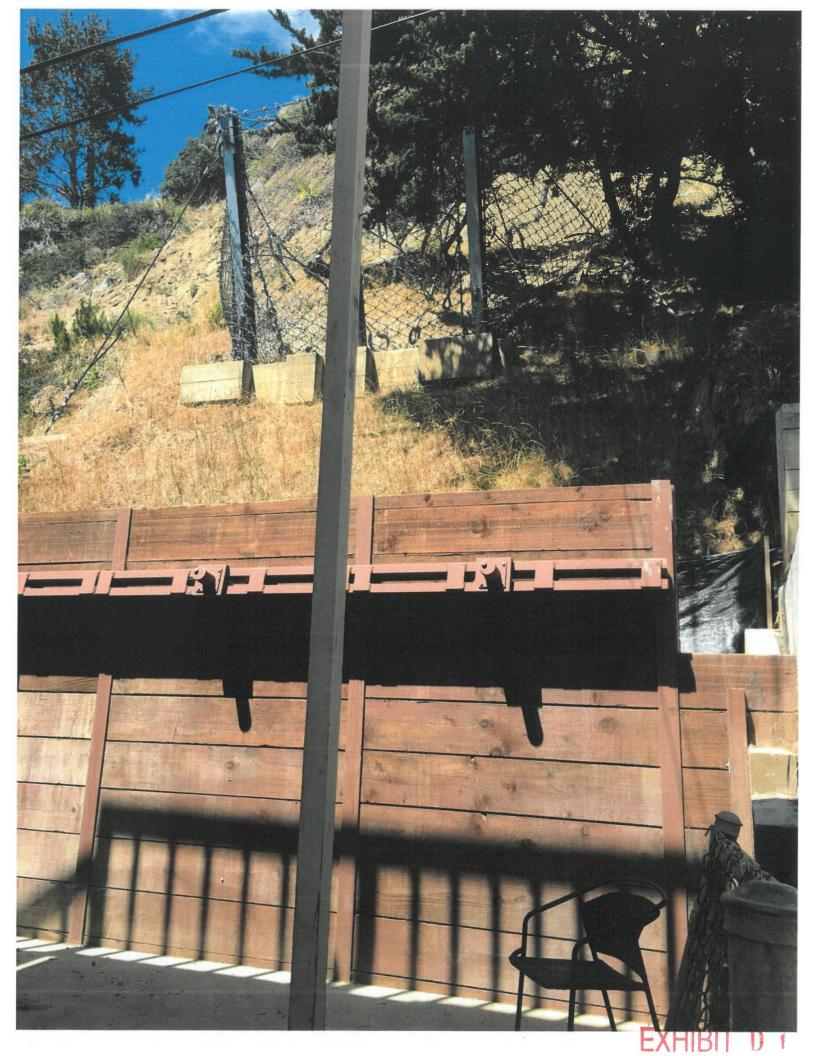
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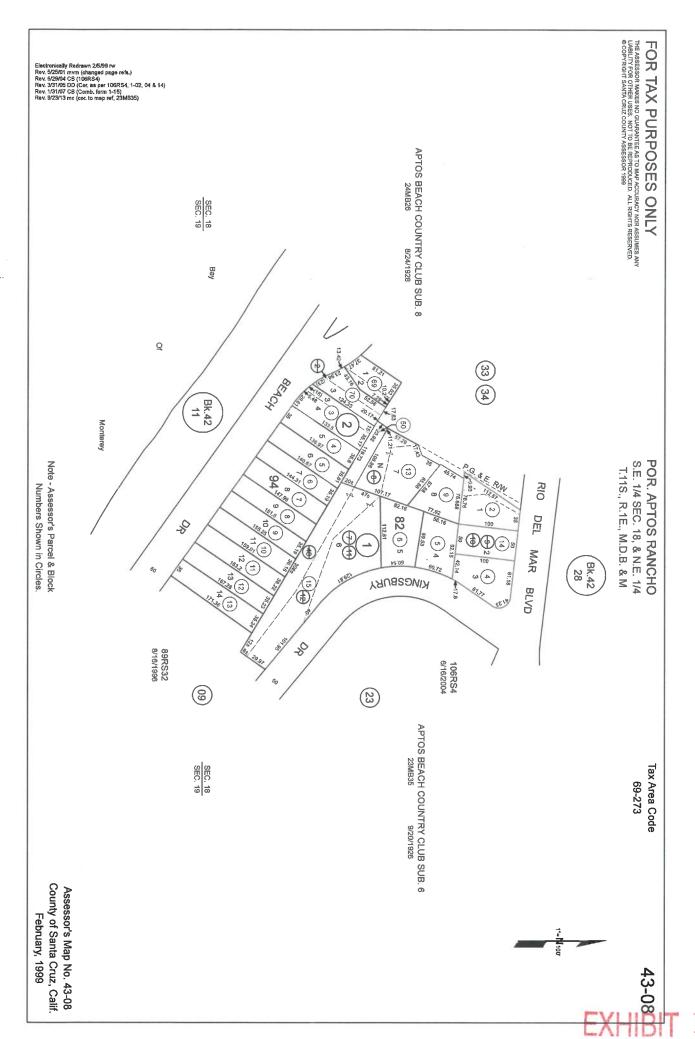










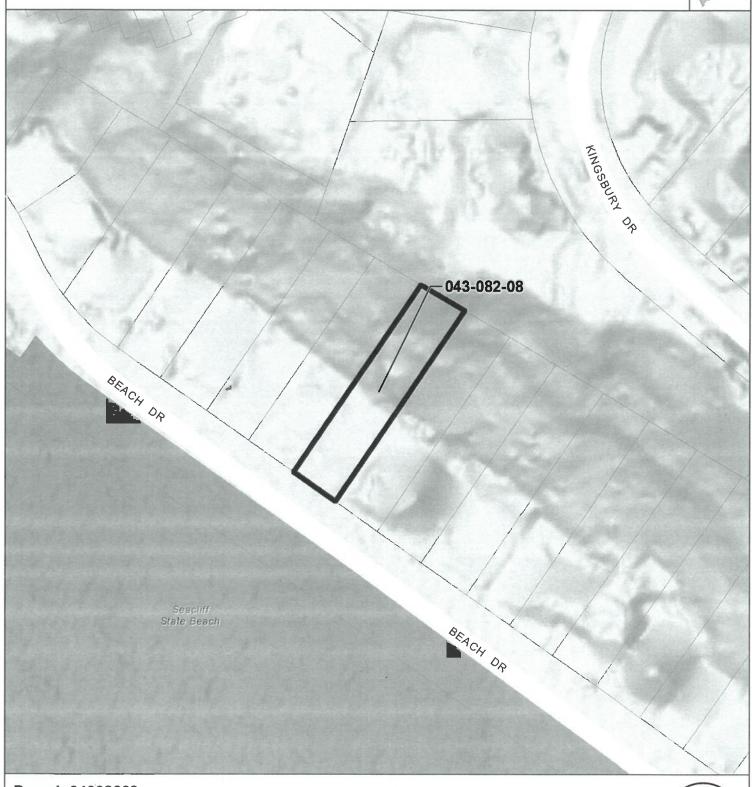




SANTA CRUZ COUNTY PLANNING DEPARTMENT

Parcel Location Map





Parcel: 04308208

Study Parcel

____ Assessor Parcel Boundary

Existing Park

Map printed: 11 Aug. 2022

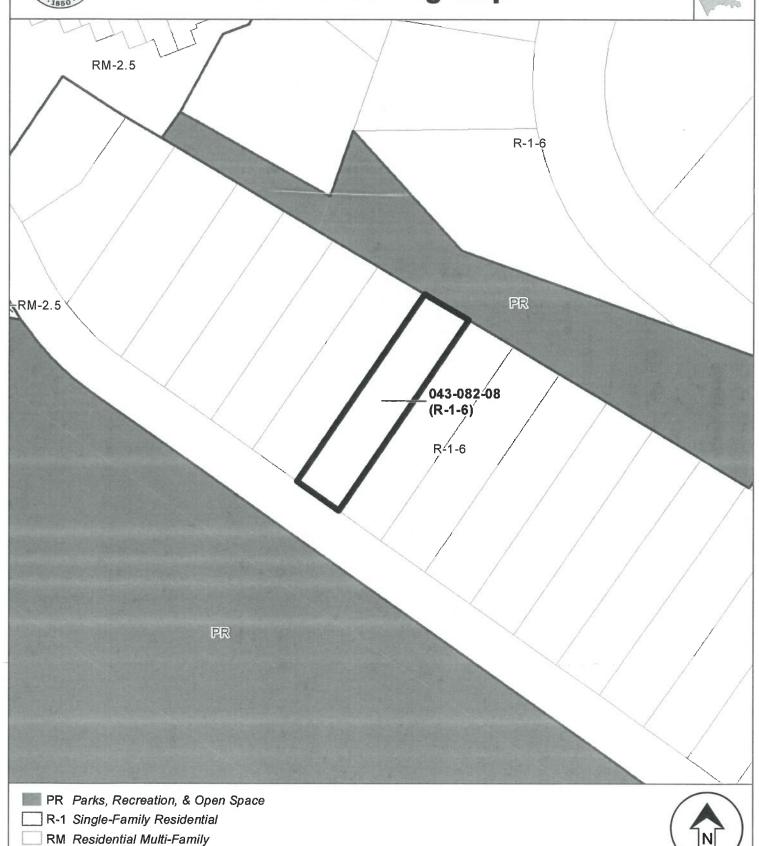




SANTA CRUZ COUNTY PLANNING DEPARTMENT

Parcel Zoning Map





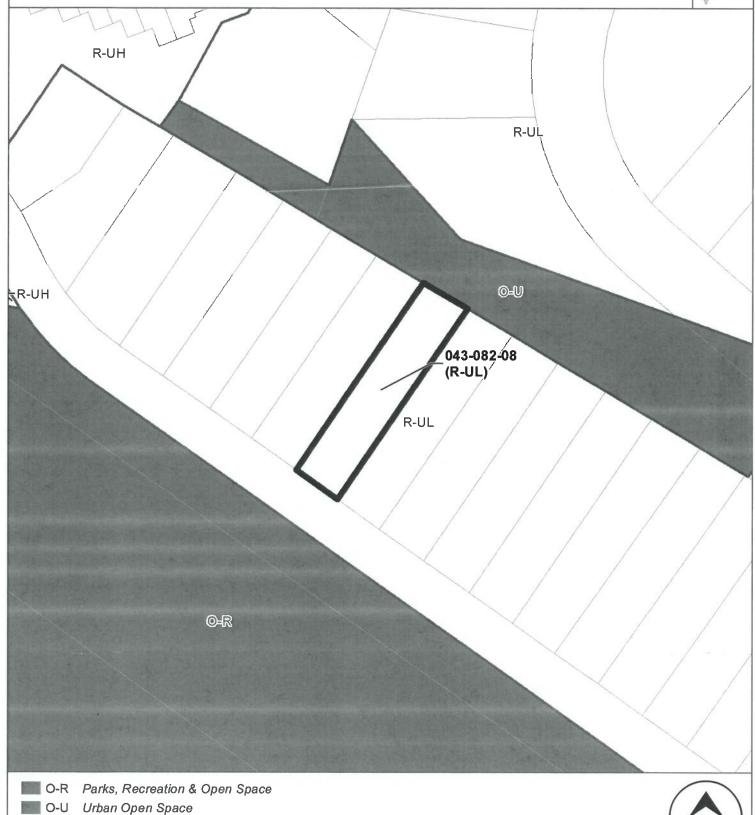


R-UH Res. Urban High Density
R-UL Res. Urban Low Density

SANTA CRUZ COUNTY PLANNING DEPARTMENT

Parcel General Plan Map







Owner: Ignatius & Pauline Lomonaco

Parcel Information

Services	Information
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Urban/Rural Services Line: X Inside Outside
Water Supply: Soquel Creek Water District

Sewage Disposal: County Sanitation District
Fire District: Central Fire Protection District

Drainage District: Flood Control District 6

Parcel Information

Parcel Size: 4,900 square feet

Existing Land Use - Parcel: Residential
Existing Land Use - Surrounding: Residential
Project Access: Beach Drive

Planning Area: Aptos

Land Use Designation: R-UL (Urban Low Density Residential)

Zone District: R-1-6 (Single family residential - 6,000 square feet)

Coastal Zone: X Inside Outside
Appealable to Calif. Coastal X Yes No

Comm.

Technical Reviews: Geotechnical and Geologic Report Review (REV17131)

Environmental Information

Geologic Hazards: Coastal Hazards (VE Flood Plain & Coastal Erosion)

Fire Hazard: Not a mapped constraint
Slopes: Coastal bluff behind home

Env. Sen. Habitat: Not mapped/no physical evidence on site

Grading: No grading proposed

Tree Removal: No trees proposed to be removed Scenic: Mapped scenic resource

Archeology: Not mapped



COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT

701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060 (831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123 KATHLEEN MOLLOY PREVISICH, PLANNING DIRECTOR

15 November 2017

Ken Wilson 119 Camino Pacifico Aptos, CA 95003

Subject:

Review of the Preliminary Geologic Findings and recommendations Regarding

Debris Flows at 317 Beach Drive/APN 043-082-08 revised 4 October 2017 by Zinn

Geology - Job #2017014-G-SC

Review of the <u>Geotechnical Investigation for Proposed Debris Flow Protection Wall</u> and Retaining Wall at 317 Beach Drive dated 19 September 2017 by Dees &

Associates Inc. - Project No. SCR-1149

Project Site:

317 Beach Drive APN 043-082-08

Application No: REV171131

Dear Applicant:

The purpose of this letter is to inform you that the Planning Department has accepted the subject reports and the following items shall be required:

- 1. All project design and construction shall comply with the recommendations of the reports.
- 2. Final plans shall reference the reports by titles, authors, and dates. Final Plans should also include a statement that the project shall conform to the reports' recommendations.
- 3. After plans are prepared that are acceptable to all reviewing agencies, please submit a completed Soils (Geotechnical) Engineer Plan Review Form and a completed Geologist Plan Review Form to Environmental Planning. The authors of the soils and geology reports shall sign and stamp their respective completed forms. Please note that the plan review forms must reference the final plan set by last revision date.

Any updates to report recommendations necessary to address conflicts between the reports and plans must be provided via a separate addendum to the soils report and/or geology report.

Electronic copies of all forms required to be completed by the Geotechnical Engineer may be found on our website: www.sccoplanning.com, under "Environmental", "Geology & Soils", and "Assistance & Forms".

After building permit issuance the soils engineer and engineering geologist *must remain involved* with the project during construction. Please review the <u>Notice to Permits Holders</u> (attached).

Review of the <u>Preliminary Geologic Findings and recommendations Regarding Debris Flows at</u> 317 Beach Drive/APN 043-082-08 revised 4 October 2017 by Zinn Geology

Review of the <u>Geotechnical Investigation for Proposed Debris Flow Protection Wall and Retaining</u>
Wall at 317 Beach Drive dated 19 September 2017 by Dees & Associates Inc.

APN 043-082-08 15 November 2017 Page 2 of 3

Our acceptance of the reports is limited to its technical content. Other project issues such as zoning, fire safety, septic or sewer approval, etc. may require resolution by other agencies.

Please note that this determination may be appealed within 14 calendar days of the date of service. Additional information regarding the appeals process may be found online at: http://www.sccoplanning.com/html/devrev/plnappeal_bldg.htm

Comment regarding the existing project plan set by Hogan Land Services dated 10/06/17:

1. The current project plan set shows approximately 630 square feet of Tecco stainless steel mesh with helical anchors being placed upslope of the proposed Geobrugg Debris Flow Barrier/flexible ring net system. The Tecco stainless steel mesh slope surface stabilization is not mentioned in either of the subject reports. On 6 November 2017, the project geotechnical engineer, Rebecca Boyd, GE stated the Tecco net is not a requirement and she did not reduce the design slide mass volume for the Geobrugg Debris Flow Barrier after the Tecco mesh was added to the project.

Based upon the discussion with Dees and Associates, the Tecco Mesh is not considered to be an emergency measure. A separate permit and geotechnical report review will be required to install the Tecco Mesh.

Joseph Hanna, CEG 1313

County Geologist- Environmental Planning

County of Santa Cruz Planning Department

Please contact Rick Parks at (831) 454-3168/email: <u>Rick Parks@santacruzcounty.us</u> or Joe Hanna at (831) 454-3175/<u>Joseph.Hanna@santacruzcounty.us</u> if we can be of any further assistance.

Sincerely,

Rick Parks, GE 2603

Civil Engineer – Environmental Planning County of Santa Cruz Planning Department

 ν

Cc: Environmental Planning, Attn: Jessica DeGrassi

Zinn Geology, Attn: Eric Zinn, CEG

Owner: Pauline Lomonaco

Attachments: Notice to Permit Holders

Review of the Preliminary Geologic Findings and recommendations Regarding Debris Flows at 317 Beach Drive/APN 043-082-08 revised 4 October 2017 by Zinn Geology
Review of the Geotechnical Investigation for Proposed Debris Flow Protection Wall and Retaining Wall at 317 Beach Drive dated 19 September 2017 by Dees & Associates Inc.

APN 043-082-08
15 November 2017
Page 3 of 3

NOTICE TO PERMIT HOLDERS WHEN SOILS AND GEOLOGY REPORTS HAVE BEEN PREPARED, REVIEWED AND ACCEPTED FOR THE PROJECT

After issuance of the building permit, the County requires your soils engineer and engineering geologist to be involved during construction.

At the completion of construction, a Soils (Geotechnical) Engineer Final Inspection
Form and a Geologist Final Inspection Form are required to be submitted to Environmental
Planning that includes copies of all observations made during construction and is stamped
and signed, certifying that the project was constructed in conformance with the
recommendations of the soils and geology reports.

If the *Final Inspection Form* identifies any portions of the project that were not observed by the soils engineer and/or geologist, you may be required to perform destructive testing in order for your permit to obtain a final inspection. The soils engineer and/or geologist then must complete and initial an *Exceptions Addendum Form* that certifies that the features not observed will not pose a life safety risk to occupants.