

January 30, 2025

Project No. 1602.3-SZ69-D25

Trustee of the Douglass D. Dodds Revocable Trust DTD 3-12-21
Attention: David Dodds
1736 Matthews Av.
Santa Cruz, CA 95062
Phone: 831-588-5176

Subject: **Proposal For Bluff Retreat Map Update**
723 El Salto Drive
Capitola, CA 95010

PAST GEOLOGY REPORT AND LETTERS INFORMATION

REPORTS PREPARED BY	REPORT TITLE	DATE
Zinn Geology	GEOLOGIC INVESTIGATION - Lands of Dodds - 723 El Salto Drive - Capitola, California - APN 036-143-35 - Job # 2015017-G-SC	04/02/2016

Dear Mr. Dodds,

At your request, we have prepared this update to the original long term bluff retreat setback line on the map that accompanied a geology report prepared in 2016 by Zinn Geology. The map attached to this letter reflects the current position of the bluff and the updated postulated 50-year bluff retreat line.

SCOPE OF WORK

1. Mapping of the current position of the top of the coastal bluff on the property upon the most recent base map that has been prepared by the Project Land Surveyor, Hanagan Land Surveying.
2. Review of the prior data and geology reports that have been prepared for the property.
3. Geological analysis and evaluation of the data, resulting in the development of the revised blufftop retreat map.
4. Preparation of this letter summarizing our findings, accompanied by the revised blufftop retreat map.

It is our understanding that only an update to the bluff retreat map is being required at this point and NOT an update to our original geology report. We can provide an update to the geology report in the future if requested.

UPDATED WORK

We visited the site on 5 December 2024 and remeasured the position of the top of the coastal bluff. The attached Plate 1 depicts the changes in the bluff top position upon the topographic base map prepared by Hanagan Land Surveying (date 08-01-2024).

Our findings in regard to the changes to the top of the coastal bluff since the time of the original investigation in 2016 are as follows:

1. The top of the bluff has incrementally retreated since the issuance of the 2016 report. We have drawn a new 50-year bluff retreat line based on our measurements and revised calculations of bluff retreat rates on the property.
2. The retreat noted above is exactly the type of predicted natural episodic retreat that was discussed extensively in the original geology report.

INVESTIGATIVE LIMITATIONS

1. Our services consist of professional opinions and recommendations made in accordance with generally accepted engineering geology principles and practices. No warranty, expressed or implied, including any implied warranty of merchantability or fitness for the purpose is made or intended in connection with our services or by the proposal for consulting or other services, or by the furnishing of oral or written reports or findings.
2. The analysis and recommendations submitted in this update letter are based on the geologic information derived from the steps outlined in the scope of services section of this letter. The information is derived from necessarily limited natural and artificial exposures. Consequently, the conclusions and recommendations should be considered preliminary.
3. The conclusions and recommendations noted in this letter are based on probability and in no way imply the site will not possibly be subjected to ground failure or seismic shaking so intense that structures will be severely damaged or destroyed. The letter does suggest that building structures at the subject site, in compliance with the recommendations noted in this letter and the original geology report, is an "ordinary" risk.
4. This update letter is issued with the understanding that it is the duty and responsibility of the owner or his representative or agent to ensure that the recommendations contained in this letter are brought to the attention of the architect and engineer for the project, incorporated into the plans and specifications, and that the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.
5. The findings of this letter are valid as of the present date. However, changes in the conditions of properties and its environs can occur with the passage of time, whether they be due to natural processes or to the works of man. In addition, changes in applicable or appropriate standards occur whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this letter may be invalidated, wholly or partially, by changes outside our control. Therefore, the conclusions and recommendations contained in this letter cannot be



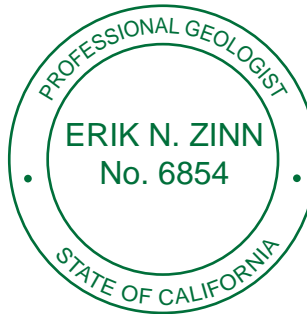
considered valid beyond a period of two years from the date of this report without review by a representative of this firm.

Sincerely,

PACIFIC CREST ENGINEERING INC.




Erik N. Zinn
Principal Geologist
P.G. #6854, C.E.G. #2139



Attachment – Plate 1 – Geologic Site Map



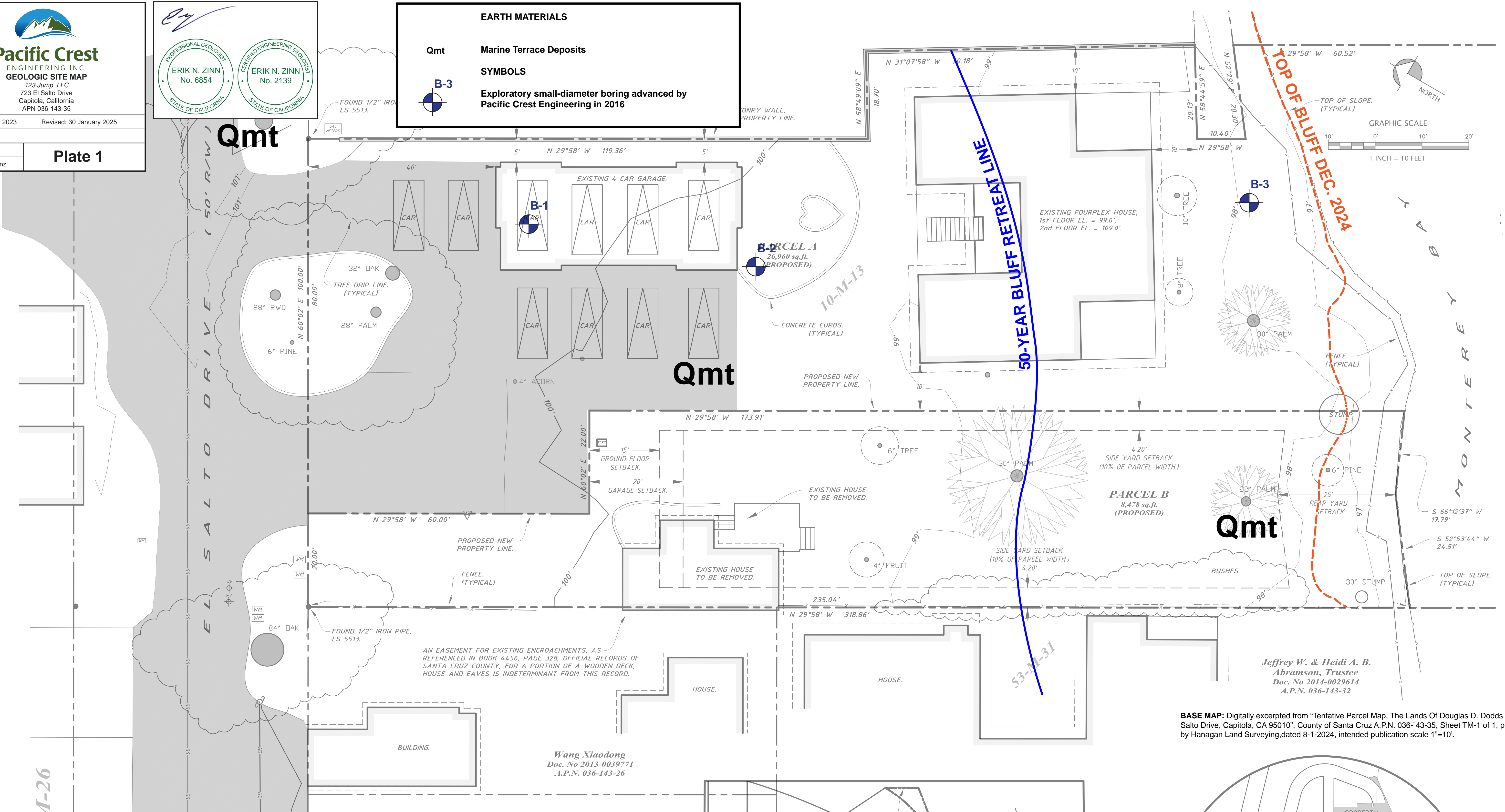
 <p>Pacific Crest ENGINEERING INC GEOLOGIC SITE MAP <i>123 Jump, LLC</i> 723 El Salto Drive Capitola, California APN 036-143-35</p>	
Date: 17 August 2023	Revised: 30 January 2025
Job #1602.2	
Scale: 1"=10'	Plate 1
Drawn by: ENZ/enz	

Handwritten signature: *Erik N. Zinn*

Professional Geologist Seal (Left):
 PROFESSIONAL GEOLOGIST
 ERIK N. ZINN
 No. 6854
 STATE OF CALIFORNIA

Professional Engineering Geologist Seal (Right):
 CERTIFIED ENGINEERING GEOLOGIST
 ERIK N. ZINN
 No. 2139
 STATE OF CALIFORNIA

	EARTH MATERIALS
Qmt	Marine Terrace Deposits
B-3	SYMBOLS
	Exploratory small-diameter boring advanced by Pacific Crest Engineering in 2016



BASE MAP: Digitally excerpted from "Tentative Parcel Map, The Lands Of Douglas D. Dodds - 723 El Salto Drive, Capitola, CA 95010", County of Santa Cruz A.P.N. 036- 43-35, Sheet TM-1 of 1, prepared by Hanagan Land Surveying, dated 8-1-2024, intended publication scale 1"=10'.

