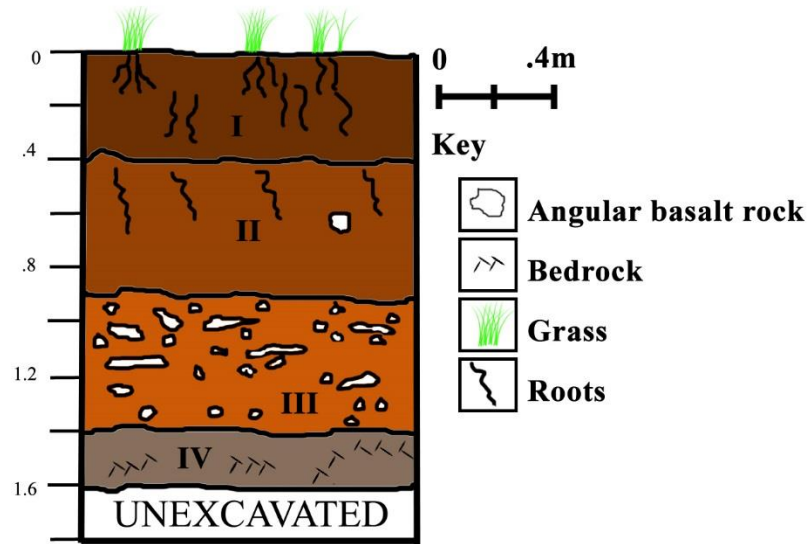
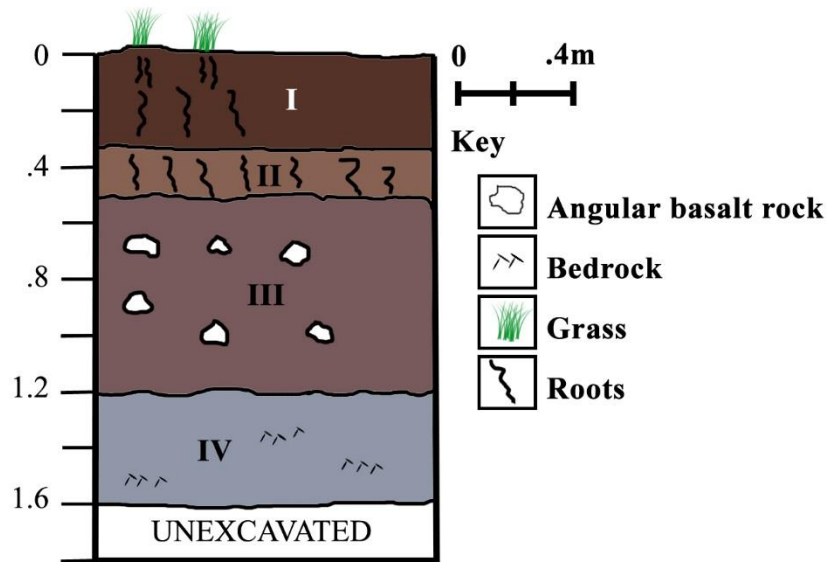


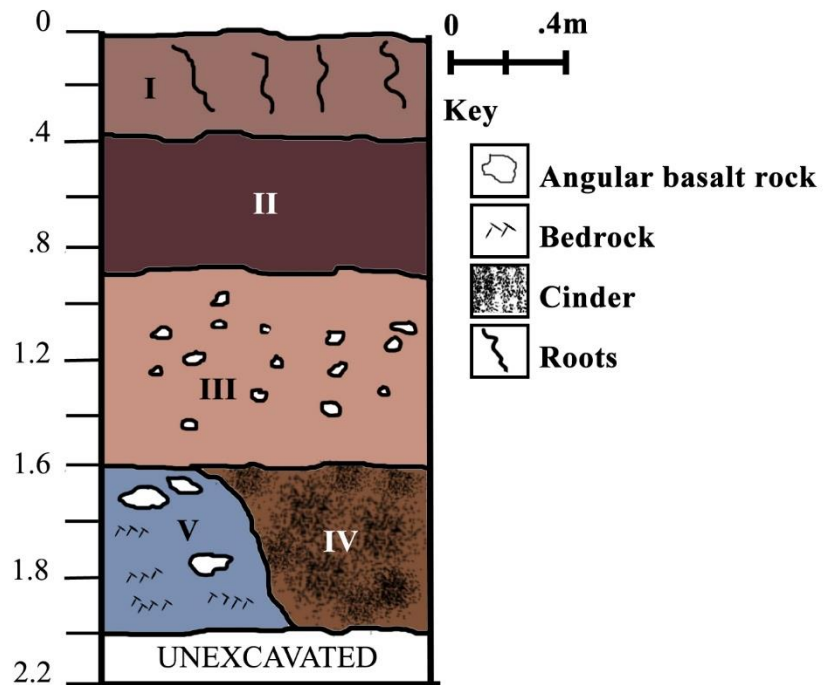
## **APPENDIX A**



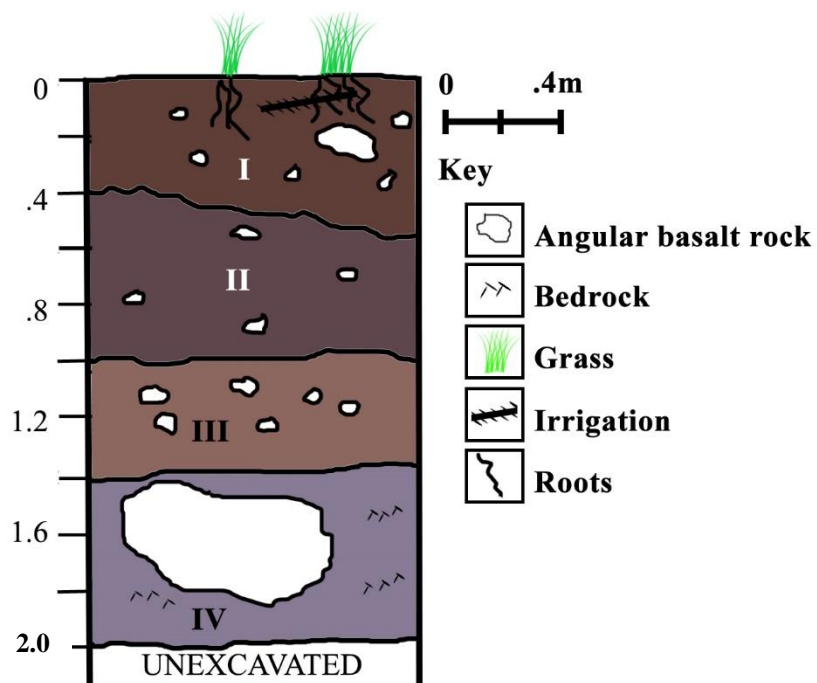
Stratigraphic Profile of West Wall at TR1



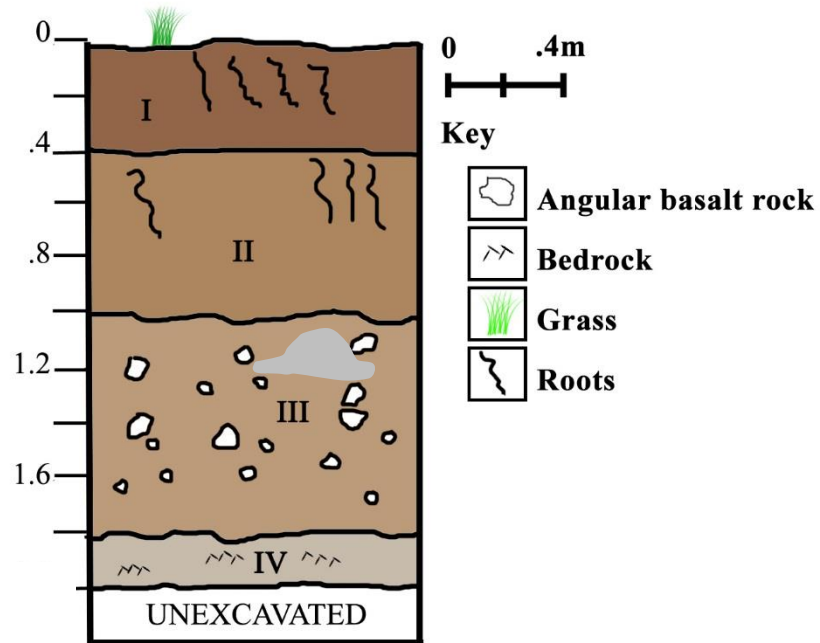
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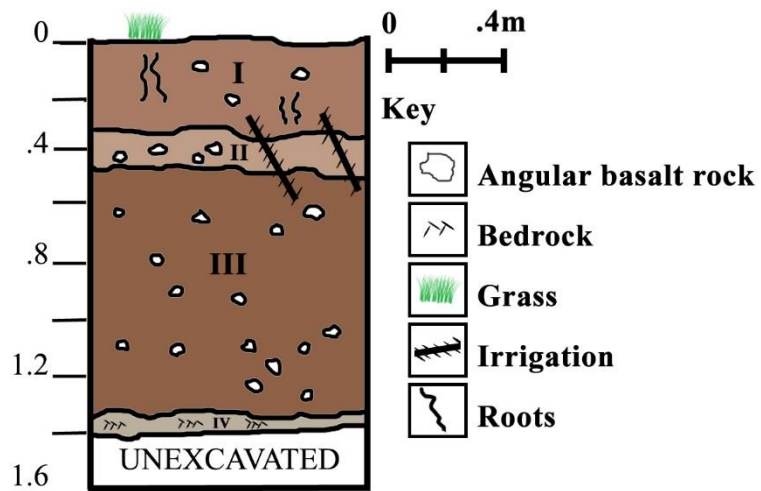
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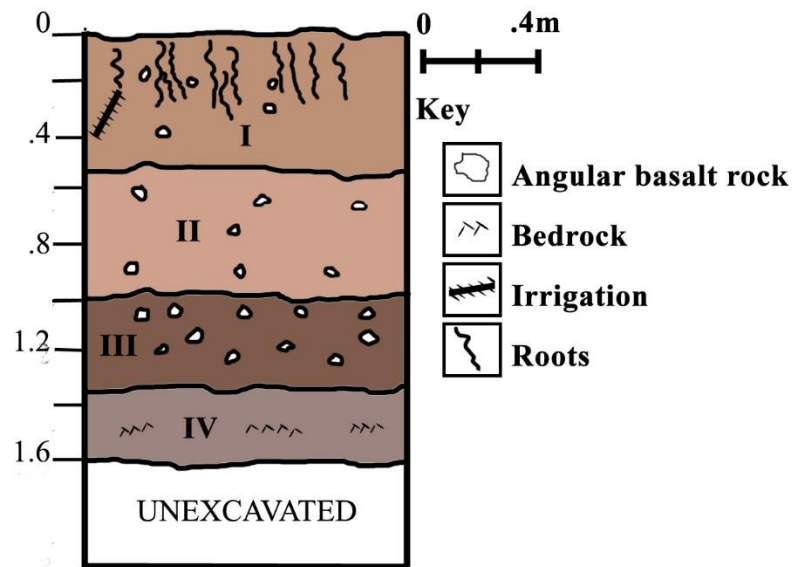
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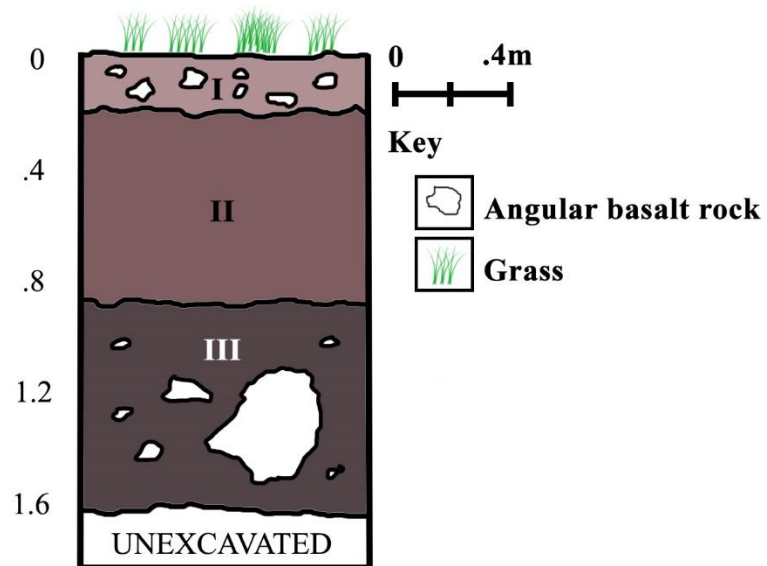
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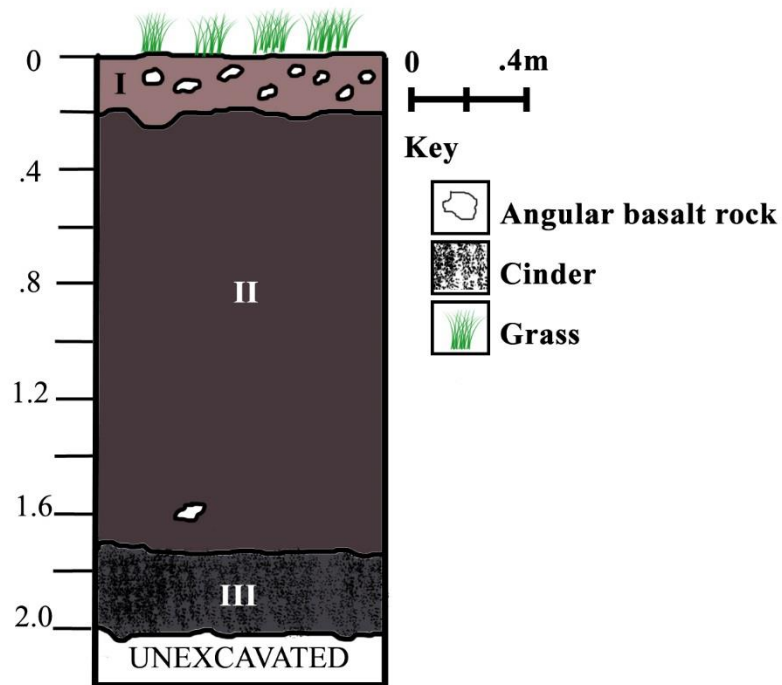
**Stratigraphic Profile of North Wall at BD1**



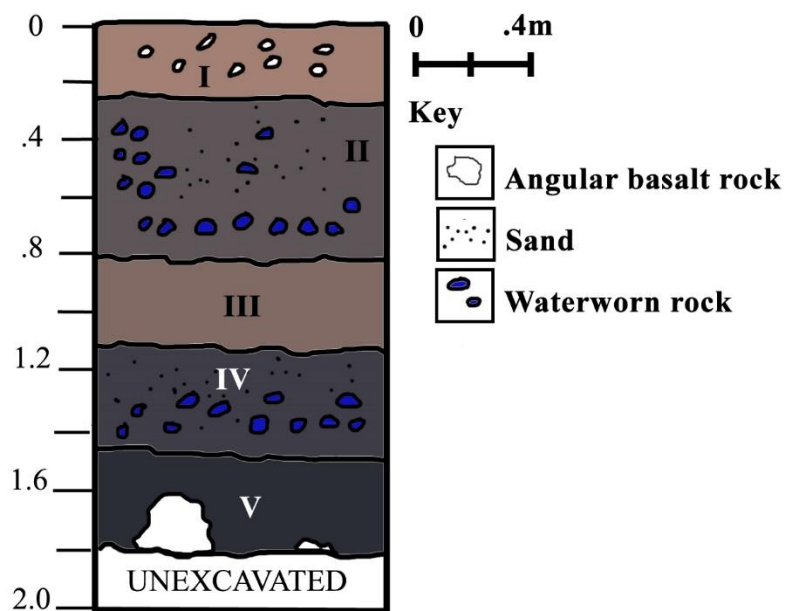
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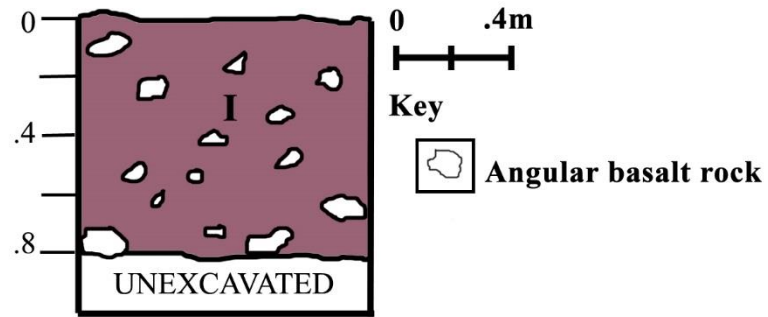
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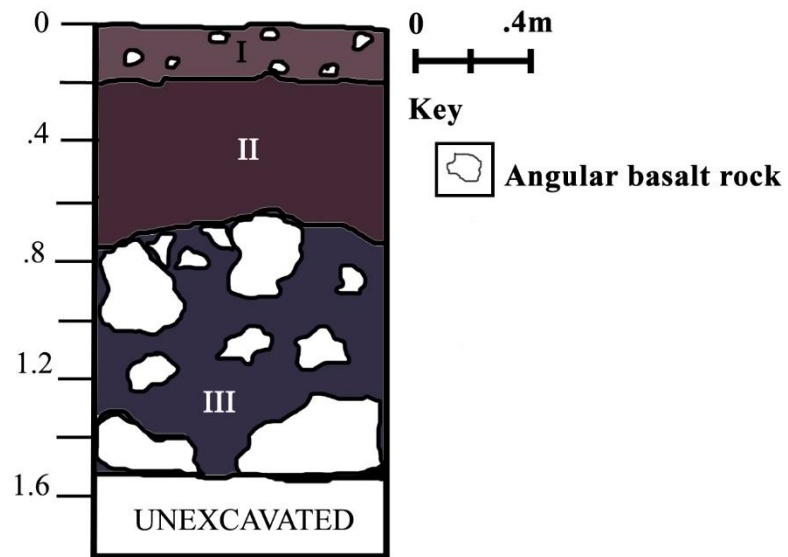
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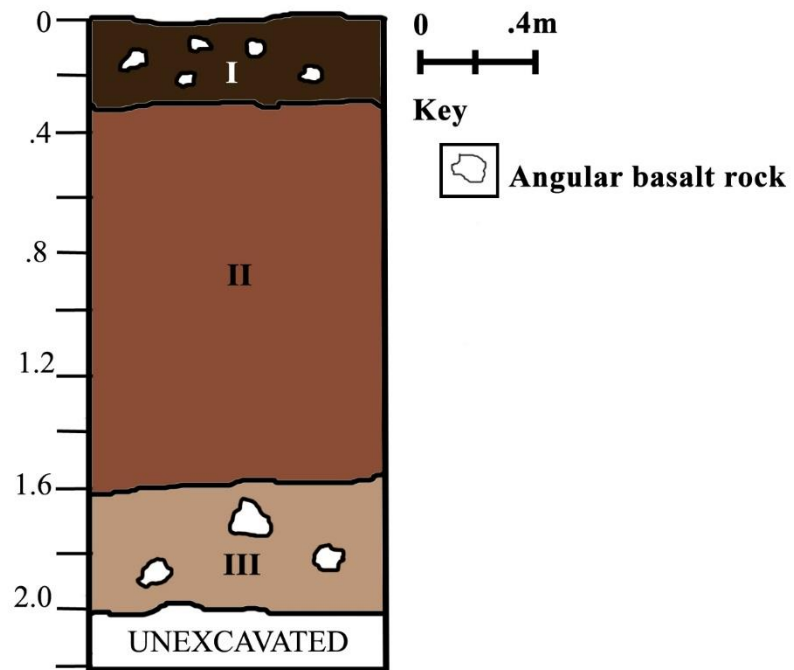


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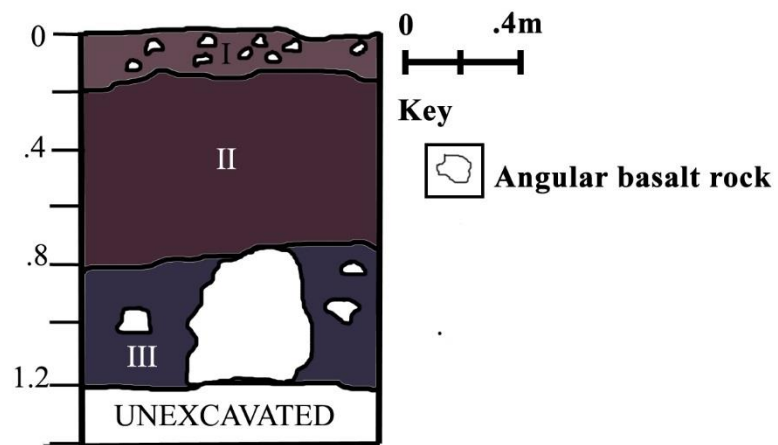


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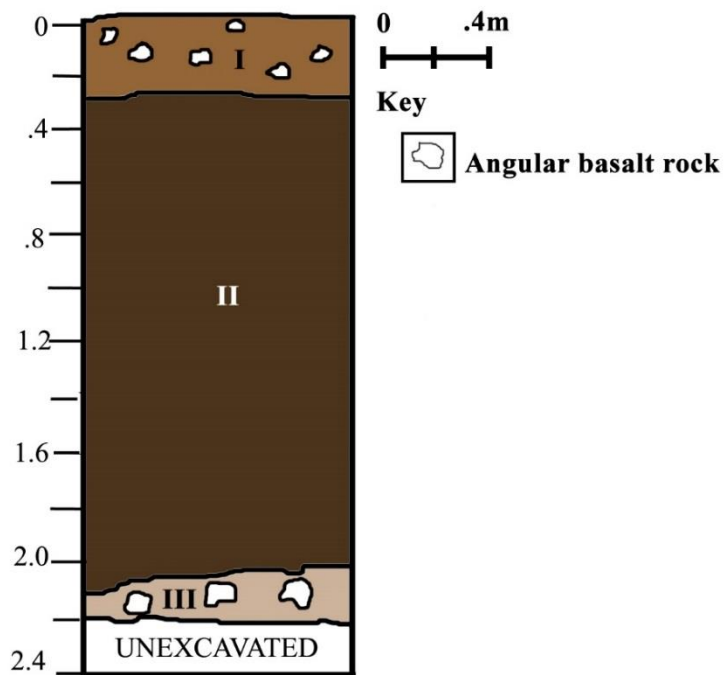




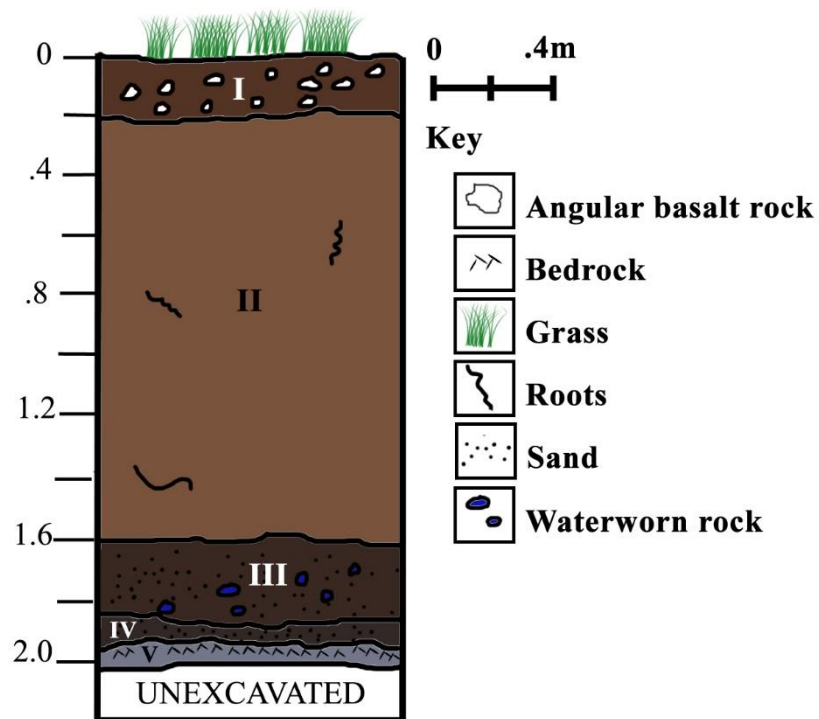
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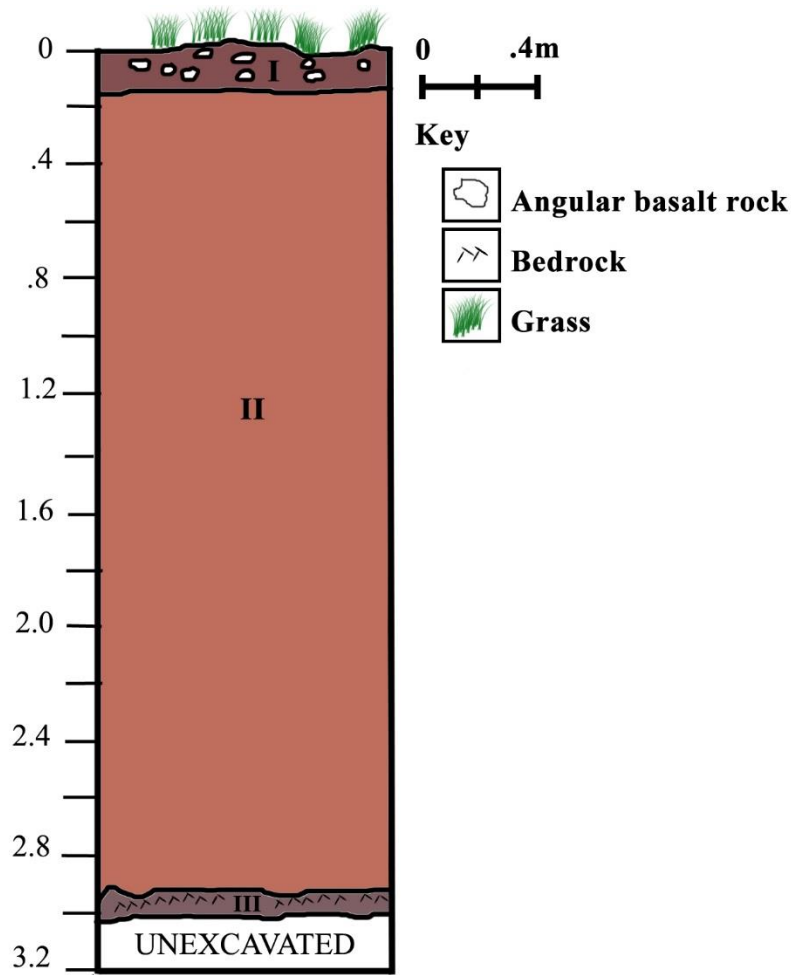




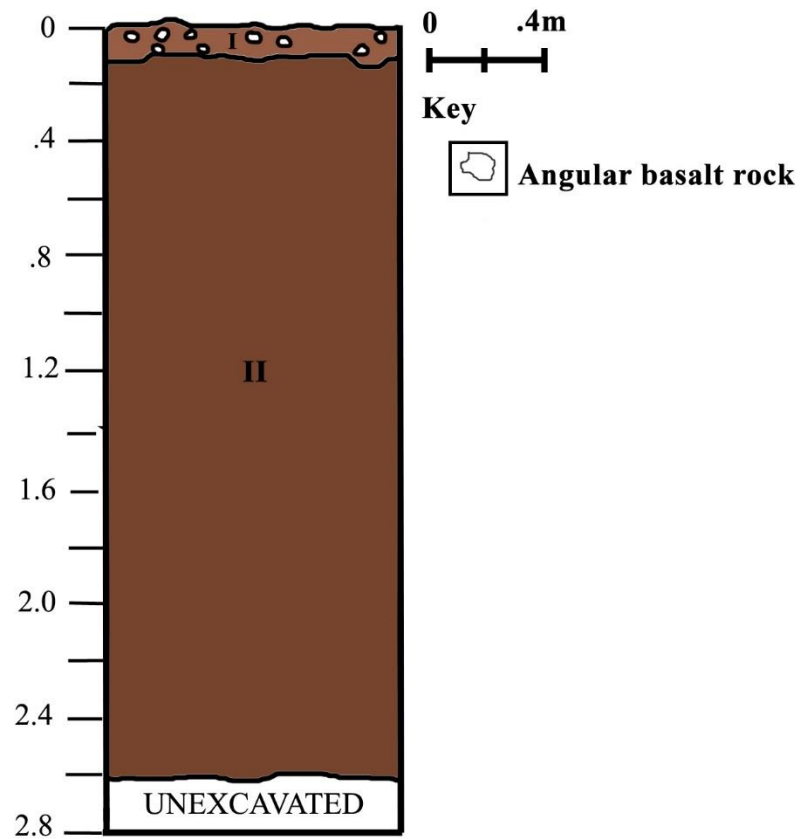
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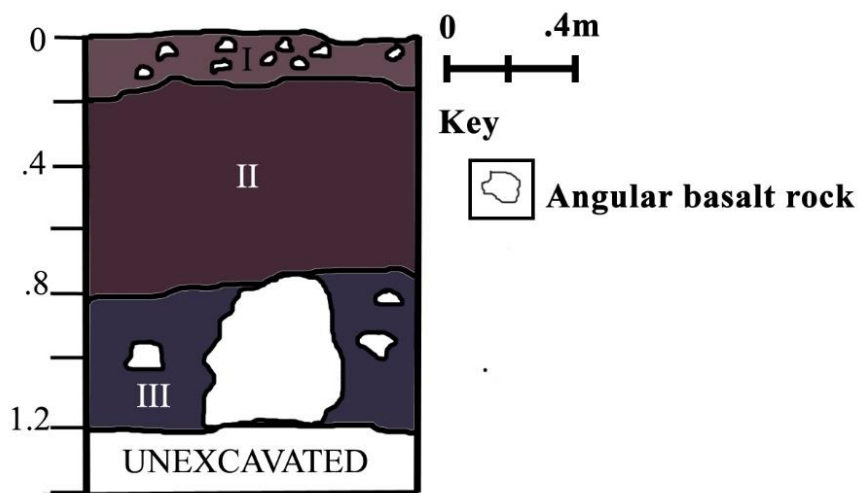
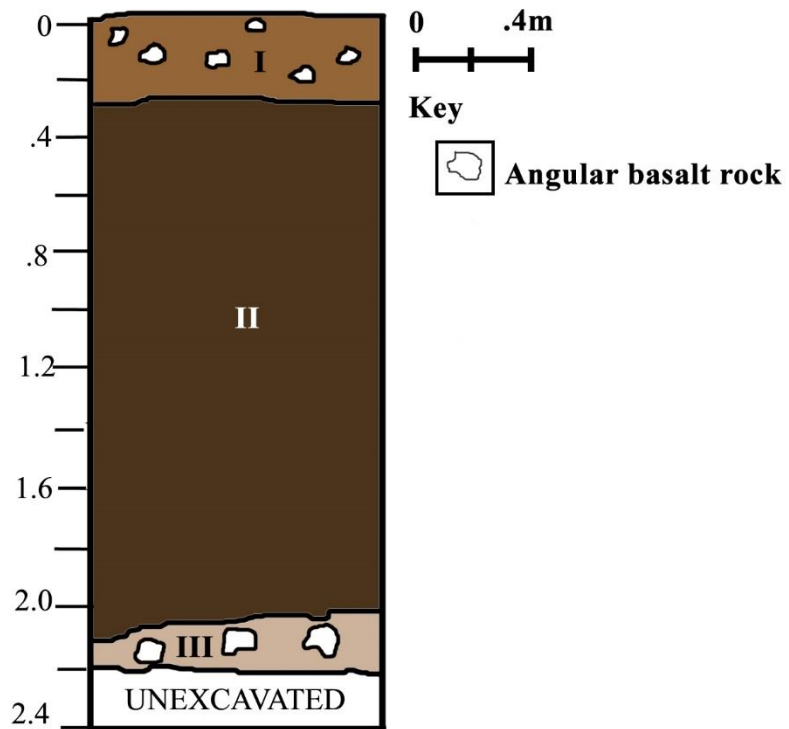
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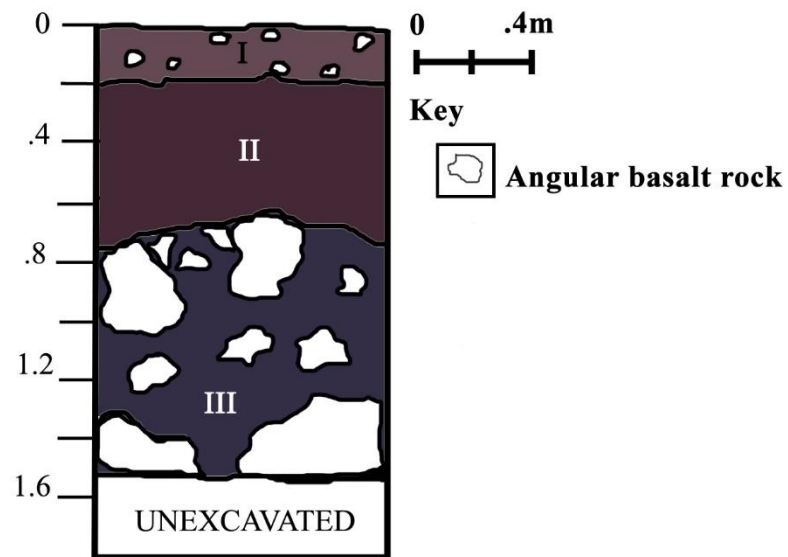
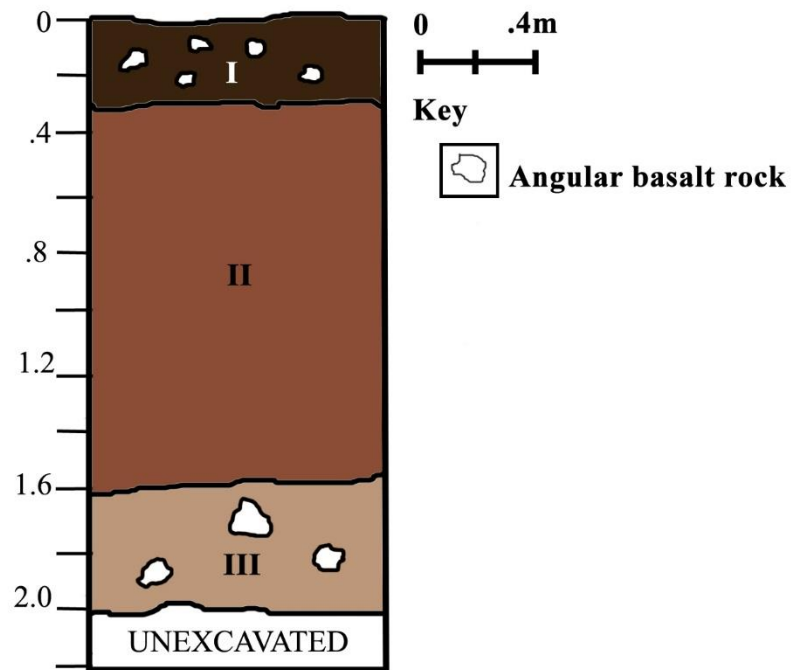
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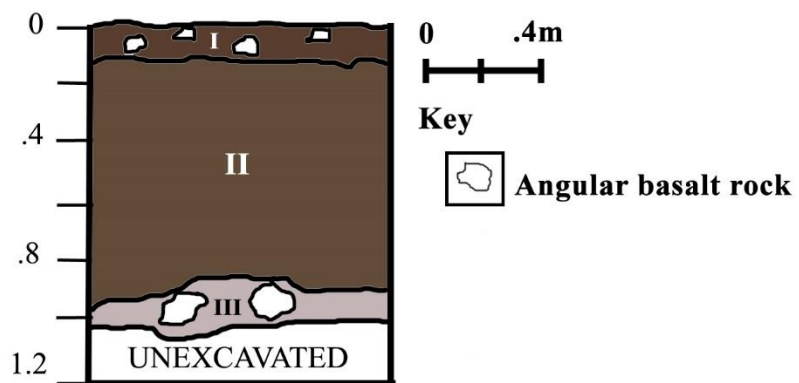
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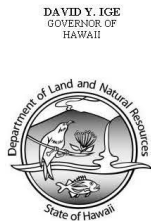
Stratigraphic Profile of North Wall at TR15



**Stratigraphic Profile of North Wall at TR16**



Stratigraphic Profile of South Wall at TR17



DAVID Y. IGE  
GOVERNOR OF  
HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

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SUZANNE D. CASE  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA  
FIRST DEPUTY

M. KALEO MANUEL  
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

April 17, 2020

Mr. Glen Ueno, Administrator  
County of Maui  
Department of Public Works  
Development Services Administration Division  
250 South High Street  
Wailuku, Hawaii 96793

IN REPLY REFER TO:  
Log No.: 2017.02140  
2020.00762  
Doc. No.: 2004AM09  
Archaeology

Dear Mr. Glen Ueno:

SUBJECT: **Chapter 6E-42 Historic Preservation Review –  
Archaeological Assessment Report for the Hawaiian Cement Expansion Project and  
Archaeological Monitoring Plan for the Increments 2 and 4 of the Expansion Project  
Pūlehu Nui Ahupua'a, Wailuku District, Island of Maui  
TMK: (2) 3-8-004:001 por.**

This letter provides the State Historic Preservation Division's (SHPD's) review of the subject draft report titled, *Archaeological Assessment Report for Hawaiian Cement Quarry Expansion Located at TMK: [2] 3-8-004:001 por., Pūlehu Nui Ahupua'a, Kula Moku, Wailuku District, Island of Maui* (Fuentes et al., March 2020). SHPD previously reviewed the subject archaeological assessment (AA) report and request revisions to the report in a letter dated May 12, 2015 (Log No. 2014.04654, Doc. No. 1505MD19). SHPD received the subject revised report on September 17, 2017 (Log No. 2017.02140).

This letter also provides SHPD's review of the subject draft plan titled, *Archaeological Monitoring Plan for the Hawaiian Cement Quarry Mining Site Increments 2 and 4 Expansion Project, Pūlehu Nui Ahupua'a, Wailuku District, Maui Island, TMK: (2) 3-8-004:001 por.* (Yucha and Hammatt, March 2020). SHPD received the subject archaeological monitoring plan on March 31, 2020 (Log No. 2020.00762) following consultation between Hawaiian Cement, Cultural Surveys Hawaii Inc. (CSH, archaeological consultant), and SHPD on March 4, 2020.

The parcel has been subject to previous archaeological investigations including an archaeological reconnaissance survey (Kennedy 1990), and two archaeological inventory surveys (Rotunno-Hazuka et al. 2011 and Fuentes et al., March 2020). The two archaeological inventory survey (AIS) investigations identified no historic properties. Per HAR §13-284-5(b)(5)(A), negative AIS results shall be presented in an archaeological assessment (AA) report. SHPD reviewed and accepted the Rotunno-Hazuka et al. (2011) AA report in a letter dated August 8, 2012 (Log Nos. 2011.0298 and 2001.0340, Doc. No. 1208JP01). SHPD reviewed and requested revisions to a draft of the Fuentes et al. (October 2014) AA report in a letter dated May 12, 2015 (Log No. 2014.04654, Doc No. 1505MD19) and received the subject revised report on September 17, 2017 (Log No. 2017.02140).

The Fuentes et al. (2020) AIS was conducted in support of the Hawaiian Cement Quarry Expansion project. The project area consists of a 41.968-acre portion of the overall 2,008-acre subject parcel. Archaeological testing of the project area included a pedestrian survey of a portion of the project area spaced in 5-meter intervals. Additionally, 17 backhoe test trenches and two bulldozer cuts were excavated. No historic properties were. The AA report includes the locations of the test trenches, photographs, soil profiles drawn to scale, and soil descriptions using USDA soil terminology and attributes with Munsell colors.

The revised Fuentes et al. (2020) AA report adequately addressed the requested revisions from our previous review (Log No. 2014.04654, Doc No. 1505MD19). The report meets the minimum requirements specified in HAR §13-276-5. **The AA report is accepted.** Please send two hard copies of the document, clearly marked FINAL, along with a copy of this review letter and a text-searchable PDF version to the Kapolei SHPD office, attention SHPD Library and to [lehua.k.soares@hawaii.gov](mailto:lehua.k.soares@hawaii.gov).

Hawaiian Cement and their archaeological consultant (CSH) consulted with SHPD during a meeting on March 4, 2020. During the meeting, Hawaiian Cement requested SHPD review the revised AA report submitted to SHPD on September 17, 2017 (Log No. 2017.02140). Additionally, Hawaiian Cement proposed work for increments 2 and 4 of the expansion project, including a field inspection with program of archaeological monitoring for identification purposes to be conducted during the excavation of soils overlying bedrock within the project area. The proposed project will include cement quarry mining within the entire footprint of increments 2 and 4. Overlying agricultural soils will be stripped away from the surface to expose the shallow underlying bedrock to be quarried and processed. No quarrying will occur within Kolaloa Gulch.

The AMP (Yucha and Hammatt, March 2020) proposes archaeological monitoring for identification purposes and provides a summary of previous archaeological investigations and identified historic properties present within the parcel and is formatted to address the rules outlined in HAR §13-279-4 (1) through (8) and stipulates the following:

- Archaeological monitoring will begin with the completion of a 100% coverage pedestrian inspection to confirm that there are no surface historic properties within the project area. This inspection will be completed prior to the start of project-related ground disturbance;
- A coordination meeting will be conducted between the construction team and monitoring archaeologist prior to construction activities so the construction team is aware of the need for archaeological monitoring and the provisions detailed in the plan;
- Archaeological monitoring will include a combination of on-site and on-call monitoring. An on-site archaeological monitor will observe sediment excavation for up to five (5) full days to confirm there are no subsurface historic properties within the sediment deposits of the project area. If there are no significant finds during this period, the remainder of sediment excavation will proceed under on-call archaeological monitoring with an archaeologist conducting spot checks once every 10 business-days to record progress and inspect the exposed stratigraphy for historic properties. No archaeological monitoring will occur during quarrying of the basalt bed;
- Quarterly archaeological monitoring letter reports will be submitted to SHPD consisting of a cover letter with photographs, a summary of archaeological work and the status of project related construction work;
- The Quarterly reports will start with the results of the initial pedestrian survey and are intended to keep SHPD informed. A monitoring report meeting the requirements of HAR §13-279-5 and covering all the reported work will be submitted for review and acceptance following the completion of project related archaeological monitoring;
- The archaeological monitor has the authority to temporarily halt all activity in the area in the event of a potential historic property being identified, or to record archaeological information for cultural deposits or features;
- If non-burial historic properties are identified, documentation shall include, as appropriate, recording stratigraphy using USDA soil descriptions, GPS point collection, recordation of feature contents through excavation or sampling of features, screening of features, representative scaled profile drawings, photo documentation using a scale and north arrow, and appropriate laboratory analysis of collected samples and artifacts. Additionally, photographs and profiles of excavations will be collected from across the project area even if no significant historic properties are encountered. Representative profiles will be a minimum of 2-meter sections;
- If human remains are identified, work will cease in the vicinity and the find shall be secured, and provisions outlined within the Hawaii Revised Statutes (HRS) §6E-43 and HAR §13-300-40, and any SHPD directives, shall be followed;
- Collected materials not associated with burials will be temporarily stored at the archaeological firm's office/laboratory until an appropriate curation facility is selected, in consultation with the landowner and the SHPD and;
- Any changes in these provisions shall occur only with written approval from the SHPD.



Glen Ueno  
4/17/20  
Page 3

The plan meets the minimum requirement of HAR §13-279-4. **It is accepted.** Please send two hard copies of the document, clearly marked FINAL, along with a text-searchable PDF version to the Kapolei SHPD office, attention SHPD Library. Additionally, please send a digital copy of the final AMP (Yucha and Hammatt, March 2020) to [lehua.k.soares@hawaii.gov](mailto:lehua.k.soares@hawaii.gov).

**SHPD hereby notifies** the County that the AA report (Fuentes et al., March 2020) and the AMP (Yucha and Hammatt, March 2020) have been accepted. The permit issuance process may continue.

**SHPD requests** written notification at the start of archaeological monitoring. SHPD looks forward to receiving brief archaeological monitoring letter reports of findings **quarterly** as specified in HAR §13-282-3(f)(1). Subsequently, SHPD looks forward to receipt of an archaeological monitoring report meeting the requirements of HAR §13-279-5 for review and acceptance following the conclusion of archaeological monitoring work.

Please contact Andrew McCallister, Historic Preservation Archaeologist IV, at [Andrew.McCallister@hawaii.gov](mailto:Andrew.McCallister@hawaii.gov) or at (808) 692-8015 for matters regarding archaeological resources or this letter.

Aloha,

*Alan Downer*

Alan S. Downer, PhD  
Administrator, State Historic Preservation Division  
Deputy State Historic Preservation Officer

cc: The County of Maui, [dsa.subdivision@mauicounty.gov](mailto:dsa.subdivision@mauicounty.gov)  
The County of Maui, [building.permits@mauicounty.gov](mailto:building.permits@mauicounty.gov)  
Atlas Archaeology, [atlasarch808@gmail.com](mailto:atlasarch808@gmail.com)  
Trevor Yucha, CSH, [tyucha@culturalsurveys.com](mailto:tyucha@culturalsurveys.com)  
Gomes, David, Hawaiian Cement, [david.gomes@hawaiiancement.com](mailto:david.gomes@hawaiiancement.com)