ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix A

Email from Robert Creps (Grace Pacific) to Raymond Young (DPP), dated June 3, 2015, responding to request of May 26, 2015 (7 pages including attachments)



"Young, Raymond" <rcsyoung@honolulu.gov>,

Bcc: rcreps@me.com, Subject: responses to May 26th request

June 3, 2015 Ray:

Chester Koga of R.M. Towill said you had called with the following requests. Our responses follow below:

1. Can we provide a higher resolution photo imagery of the quarry site?

Yes. I have attached the most recent high resolution photo of the Upper Quarry taken in 2014 to this response. This is the same aerial photo included in the 2014 Annual Compliance Report. The upper quarry photo is named "MQ Upper Aerial Images 2014 lite" and is 5.60 MB. If the file size is too large for emailing, I will have a DVD made and dropped off at the DPP office.

2. Re: Beneficial Reuse Plan

To:

Cc:

- a. Still under review another few weeks That's fine.
- b. Why were the buffer areas not considered for re-use?

We were following the guidance of the language of Condition 10 in our 2008 Decision and Order, which states:

"The Applicant shall provide a beneficial reuse plan for lands disturbed by its quarry operations. The plan shall include planning and preparation of design and implementation scenarios for the beneficial re-use of the pit area..."

Based on this, we did not include in the Beneficial Re-Use Plan the buffer areas outside of the pit area.

c. Is there a phasing plan for the buffer areas? See below (item d.)

d. Are the buffer areas included in the re-naturalization plans?

Yes. DPP identified the buffer areas to be renaturalized in an exhibit to a letter dated February 2, 2012. I have attached a copy of this exhibit, which I have marked up to identify two of the larger areas to be renaturalized, which we refer to as "Hole 8" and "Hole 9". The sheet number references I have provided each refer to drawing sheets in our 2014 revised Renaturalization Plan, mentioned below.

Grace Pacific submitted a revised Renaturalization Plan to DPP on May 30, 2014. The Plan sheets L-1.00, L-2.02 and L-2.03 identify the same "Hole 8" and "Hole 9" areas as on the marked up February 2012 exhibit as being the priority buffer areas for the Phase I renaturalization efforts.

For your convenience, I have attached sheets L-1.00, L-2.02 and L-2.03 from the 2014 Renaturalization Plan.

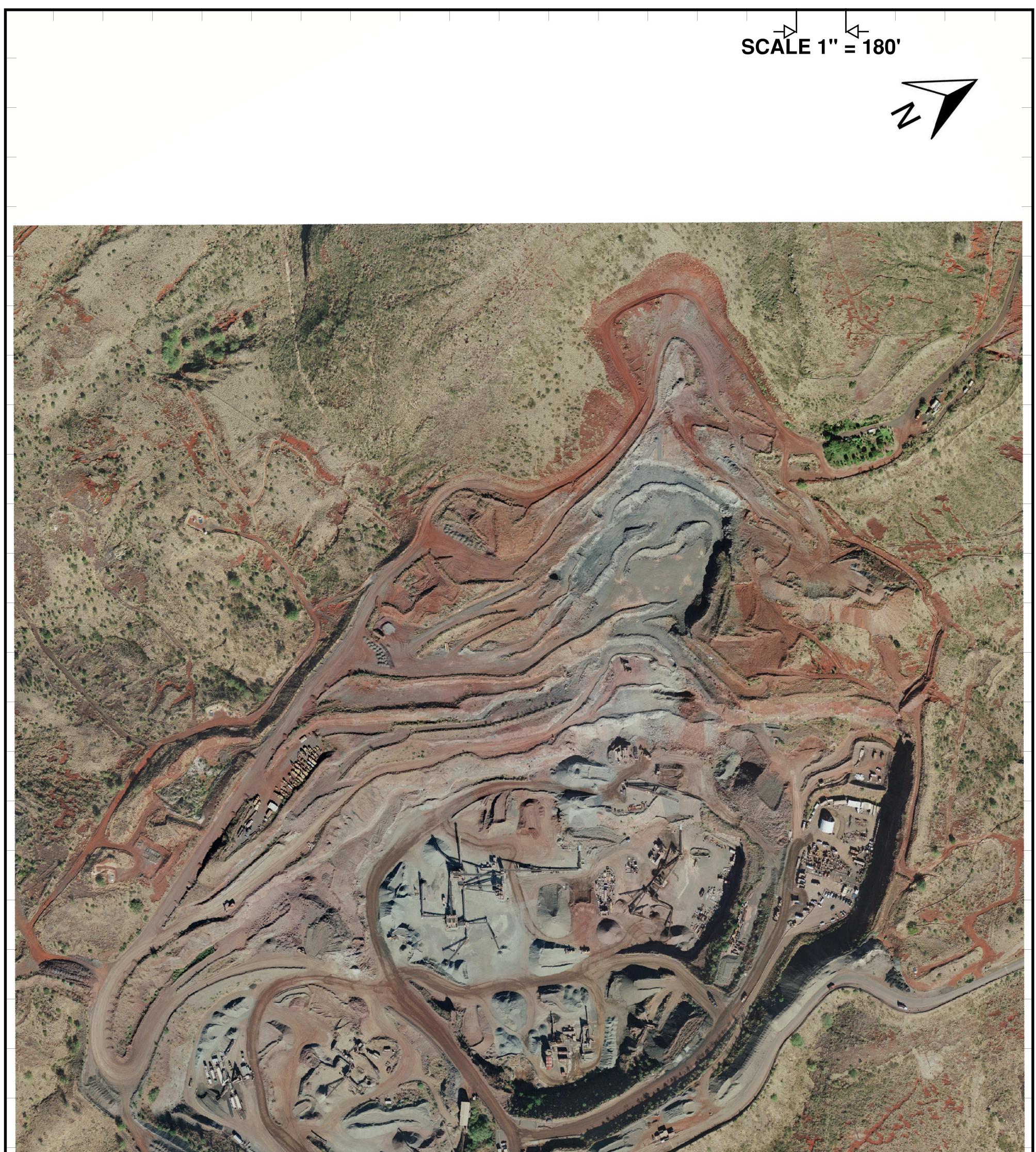
Please let me know if you have any additional questions. Thank you,

Bob Creps

150602 MQ UPPER AERIAL IMAGE 2014 lite.pdf F0F 150602 Feb 2nd Exhibit.pdf

150528 Pages from 2014-05-30_MQR Landscape Plans (11X17).pdf

PDF





MAKAKILO QUARRY UPPER AERIAL IMAGE

UPDATED OCTOBER 27, 2014

DATE OF AERIAL SEPTEMBER 12, 2014



QUARRY QUARRY EXPANSION PROJECT MAKAKILO, HI



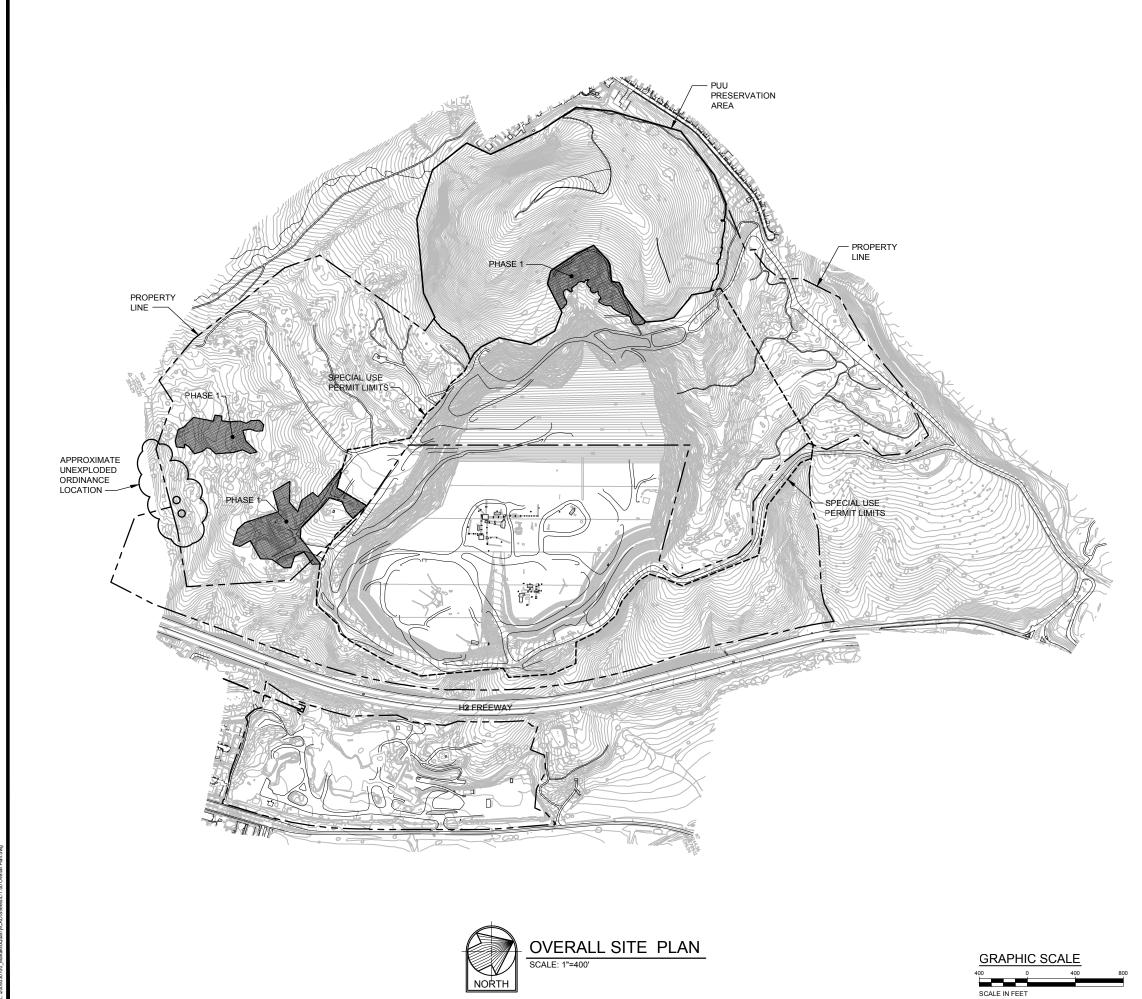
THIS AERIAL PHOTO WAS ATTACHED TO A FEBRUARY 2, 2012 LETTER.FROM DPP TO BELT COLLINS, CONSULTANT FOR GRACE PACIFIC.

24

THE ARROWS AND LABELS WERE ADDED ON JUNE 2, 2015.

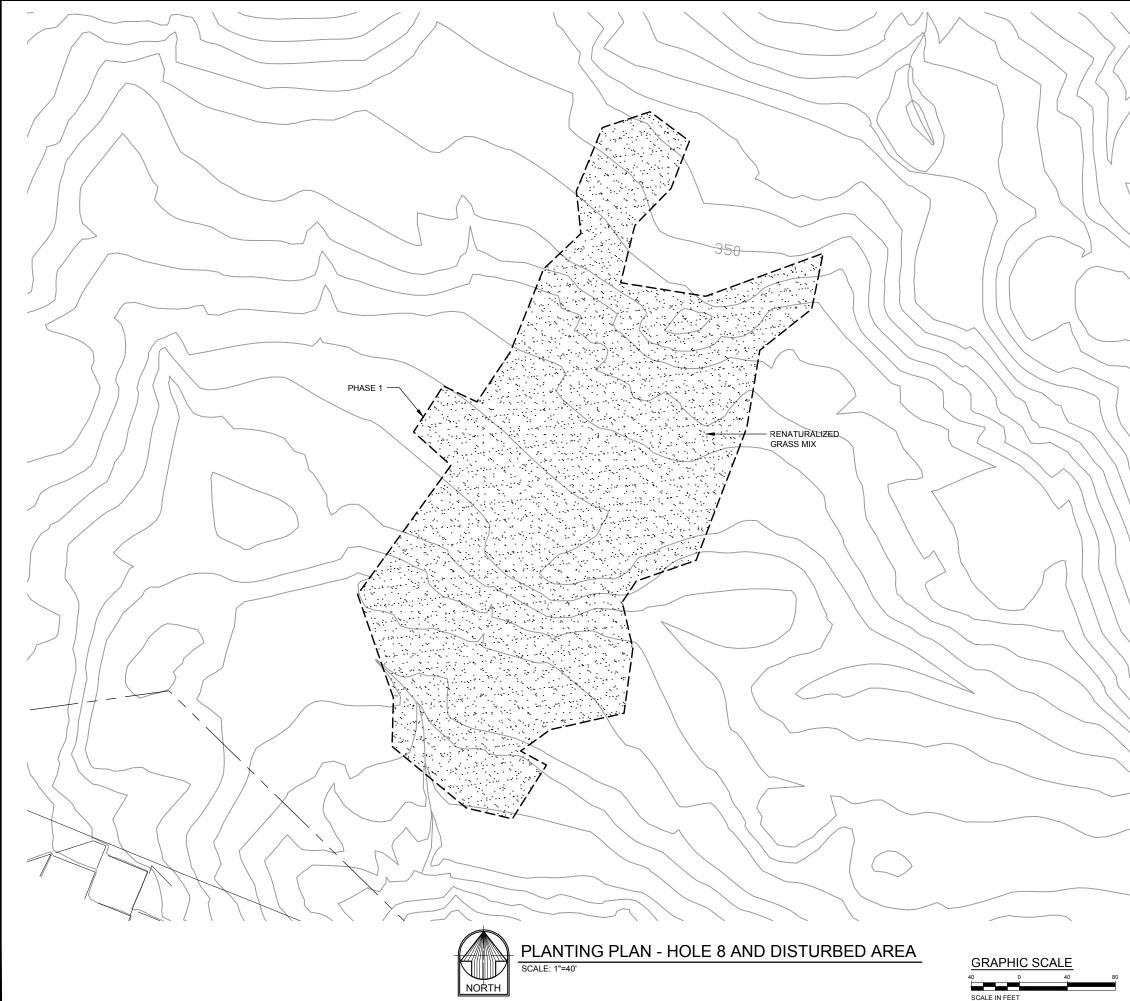
THE AREAS IDENTIFIED ARE ADDRESSED ON SHEETS L-2.02 AND L-2.03 OF THE REVISED RENATURALIZATION PLAN SUBMITTED MAY 30, 2014 SUBMITTED MAY 30, 2014



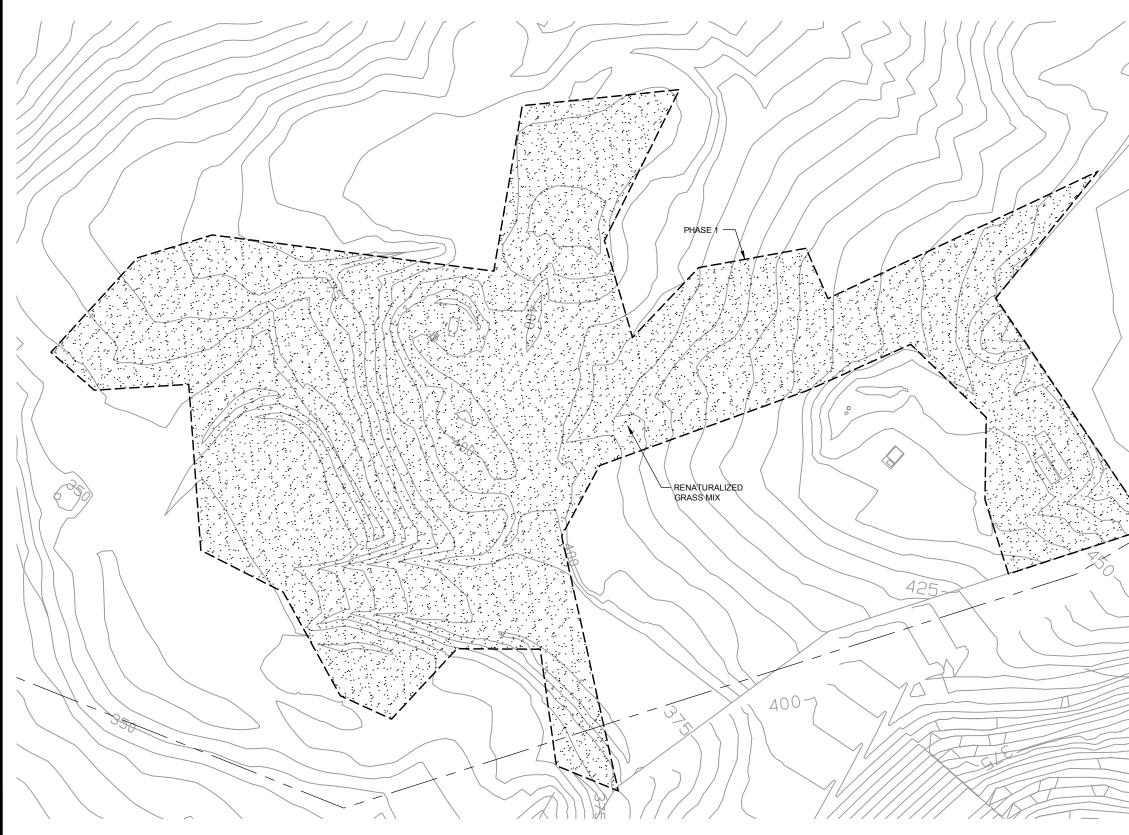


LAND AREA	
OVERALL PROPERTY	486 ACRES
PUU PRESERVATION	82.7 ACRES
ACTIVE QUARRY	181 ACRES
BUFFER	305 ACRES
PHASE 1	5.2 ACRES
PHASE 1 (HOLE 8)	4 ACRES
PHASE 1 (HOLE 9)	7.6 ACRES

_						
	REVISION	DATE	DESCRI	PTION	MADE BY	APPROVED
VECIN A. 4/ VECINED VECINED WROFESSIONAL LANDSCAPE ARCHITECT No. 10370	DEPARTMENT OF PLANNING & PERMITTING CITY & COUNTY OF HONOLULU MAKAKILO QUARRY LANDSCAPE RENATURALIZATION					
HAMA I I. USP			OVERALL S	ITE PLAN		
			:			
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.		APPROVED:	IT OF PLANNING AND PERMITTING	DRAWING NO.	L-1.(00
APRIL 30, 2016	SHEET		OF	FILE NO.		



	REVISION	DATE	DESCR	IPTION	MADE BY	APPROVED
TON A. ATT POPULATION VERTICAL VE			DEPARTMENT OF PLAN CITY & COUNTY MAKAKILO DSCAPE REN ING PLAN - HOLE 8	OF HONOLULU QUARRY ATURALIZA		
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. APRIL 30. 2016		REVIEWED BY: APPROVED:	T OF PLANING AND PERMITING		L-2.(
EXPIRATION DATE OF THE LICENSE	SHEET		OF	FILE NO.		







PLANTING PLAN - HOLE 9 AND DISTURBED AREA SCALE: 1"=40'



	REVISION	DATE	DESCRI	IPTION	MADE BY	APPROVED
v v v v v v v v v v v v v v	DEPARTMENT OF PLANNING & PERMITTING CITY & COUNTY OF HONOLULU MAKAKILO QUARRY LANDSCAPE RENATURALIZATION					
PLANTING PLAN - HOLE 9 AND DISTURBED AREA						
	REVIEWED BY: DATE:					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.		APPROVED:	IT OF PLANNING AND PERMITTING	DRAWING NO.	L-2.(03
APRIL 30, 2016 EXPIRATION DATE OF THE LICENSE	SHEET	·	OF	FILE NO.		

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix B

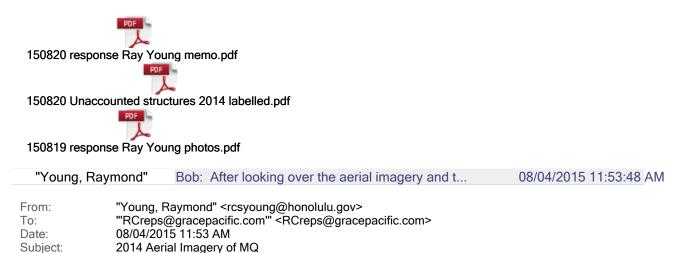
Email from Robert Creps (Grace Pacific) to Raymond Young (DPP), dated August 20, 2015, responding to email request of August 4, 2015 (15 pages including attachments)



To: Cc: Bcc: "Young, Raymond" <rcsyoung@honolulu.gov>,

Subject: Re: 2014 Aerial Imagery of MQ

Ray, please find the attached in response to your questions. my grace email account is still the best way to reach me with any questions. thank you, Bob Creps



Bob: After looking over the aerial imagery and the latest approved site plan, I would like to get an update as to what appears to be unaccounted structures. Or, they could be equipment since insufficient detail on the imagery. Can you tell me what the structures are (highlighted by clouding) on the attached file and what are they used for. We may want to update the last approved site plan.

Thanks,

Raymond Young



August 20, 2015 Mr Raymond Young Department of Planning & Permitting

I am responding to your email of August 4th, in which you attached five images from our September 12, 2014 Upper Quarry Aerial Image and asked that we identify certain objects (highlighted by clouding) and their uses.

To make it easier, I have labeled your images as A through E, and placed arrows and numbers on each image to identify the various objects. I also had new photos taken and have labelled them to match this identification scheme.

Explanations of the objects and their uses are as follows:

- A Adjacent to Magazine Storage
 - 1. Maintenance Shop, container storage with covered work area.
 - 2. Maintenance Shop, flammable materials storage area.
 - 3. Maintenance Shop, RR-1 relocated from new Receiving Area (see Image B).
 - 4. Maintenance Shop, secured storage.
 - 5. Maintenance Shop, office trailer. Unoccupied as of Sept 2014. Relocated adjacent to A-1,

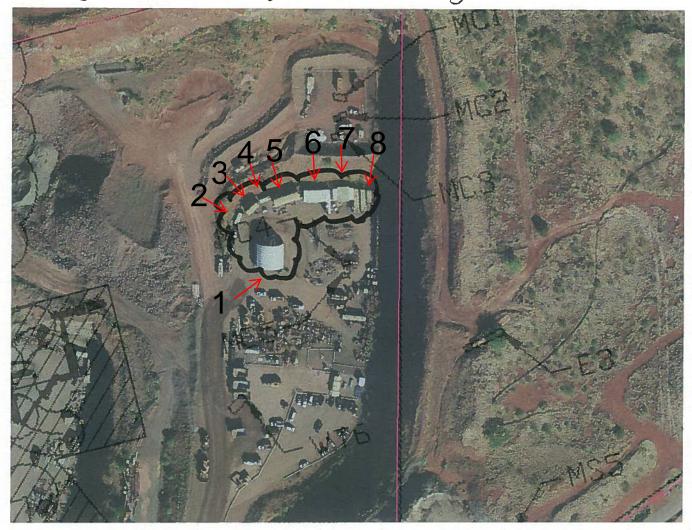
with plans currently being drawn for permitting for office use.

- 6. Maintenance Shop, secured storage and covered work area.
- 7. Maintenance Shop, secured storage.
- 8. Maintenance Shop, secured storage with covered work area.
- 9. Maintenance Shop, secured storage.
- B Central Office Area
 - 1. Receiving Area, secured storage
 - 2. Receiving Area, covered storage
- C Near Recycling Plan (SW Corner)
 - 1. Mobile Asphalt Plant, Testing Lab trailer, no longer at this location, relocated to Maui.
- D Western Vehicular Storage
 - 1. Storage Area, office trailer, unoccupied.
- E Old Clubhouse Area
 - 1. Air Compliance Testing Equipment storage trailer
 - 2. Air Compliance Testing Equipment storage trailer

Please let me know if you have any additional questions.

Bob Creps

Adjacent to magazine storage



Α



Near recycling plant (SW corner)



С



old clubhouse area



Е

A-1 Maintenance Shop, container storage with covered work area.



A-2 Maintenance Shop, flammable materials storage area.



A-3 Maintenance Shop, RR-1 relocated from new Receiving Area (see Image B)



A-4 Maintenance Shop, secured storage



A-5 Maintenance Shop, office trailer. Unoccupied as of Sept 2014. Relocated adjacent to A-1, with plans currently being drawn for permitting for office use



A-6 Maintenance Shop, secured storage and covered work area



A-7 Maintenance Shop, secured storage



A-8 Maintenance Shop, secured storage with covered work area



A-9 Maintenance Shop, secured storage



B-1 Receiving Area, secured storage



B-2 Receiving Area, covered storage



C-1 Mobile Asphalt Plant, Testing Lab trailer, formerly at this location, relocated to Maui



D-1 Storage Area, office trailer, unoccupied.



E-1 Air Compliance Testing Equipment storage trailer.





E-2 Air Compliance Testing Equipment storage trailer

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix C

Letter from George Atta (DPP), dated August 27, 2015, regarding Sixth Annual Report, Revised Beneficial Re-Use Plan and revised Renaturalization Plan (2 pages) CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 7TH FLOOR • HONOLULU, HAWAII 96813 PHONE: (808) 768-8000 • FAX: (808) 768-6041 DEPT. WEB SITE: <u>www.honoluludpp.org</u> • CITY WEB SITE: <u>www.honolulu.gov</u>

KIRK CALDWELL MAYOR



GEORGE I. ATTA, FAICP DIRECTOR

ARTHUR D. CHALLACOMBE DEPUTY DIRECTOR

> 2015/ELOG-1660 2007/SUP-6 2007/CUP-91

August 27, 2015

Mr. Robert M. Creps Senior Vice-President, Administration Grace Pacific LLC P.O. Box 78 Honolulu, Hawaii 96810

Dear Mr. Creps:

Thank you for submitting your Sixth Annual Report (Report) dated November 6, 2014, and Revised Beneficial Re-Use Plan (Re-Use Plan) dated October 27, 2014 for Special Use Permit (SUP) No. 2007/SUP-6 (Land Use Commission Docket No. SP73-147 Grace Pacific Corporation) and Conditional Use Permit (CUP) No. 2007/CUP-91. These land use approvals involve Tax Map Keys 9-1-016: 004, 9-2-002: portion of 006, and 9-2-003: 074 and 082. Your Report includes a revised Renaturalization Plan (Renat Plan) dated May 30, 2014 which describes a phased implementation and starts with three sections for immediate renaturalization.

We provide the following comments:

<u>SUP Condition No. 2 - Renaturalization Plan</u>. Your Renat Plan dated May 30, 2014, is <u>Approved</u> for implementation. A status report on the success of the first three sections being renaturalized, along with future phases, should be included in subsequent annual reports.

<u>SUP Condition No. 10 and CUP Condition No. 3 – Beneficial Re-use Plan</u>. The Re-use Plan satisfies the general intent of the conditions of approval; however, it focuses only on the quarry pit. As indicated in SUP Condition 10, all areas disturbed by quarry operations need to be addressed by the Re-Use Plan. In addition, information on the funding strategies for the various re-use scenarios is to be included. The funding strategies should provide information regarding the status of funds needed to implement the desired scenario.

Also, the Re-Use scenarios have not included the required public access and information as to how it would be integrated with various the re-use scenarios. We request that this information be provided in your next annual report.

Mr. Robert M. Creps August 27, 2015 Page 2

<u>Contaminated Soils</u>. As with the makai quarry site, it is anticipated that soils in and around the pit may be contaminated and may require cleanup or containment. Information addressing this issue should be part the quarry's closure plans.

Brush Fires. A brush fire on May 18, 2015 in the southwestern area of Tax Map Key 9-2-003: 82 came close to residences in the Kahiwelo Subdivision. Consultation with the Honolulu Fire Department regarding brush fire mitigation, especially along the H-1 Freeway, is recommended.

<u>New Structures</u>. Based on the submitted aerial photos, Raymond Young of our staff, emailed you on August 4, 2015 requesting information regarding new structures that were not included in the approved site plan, Revised Print February 8, 2012. If these are structures and not equipment, they are subject to being included in the approved site plan and may require building permits. Please update us on the status and purpose of these structures.

Should you have any questions, please contact Raymond Young of our staff at 768-8049.

Very truly yours

George I. Atta, FAICP Director

GIA:kms

cc: D. Yasui/A&B Properties, Inc. State Land Use Commission Land Use Permits Division

1271271

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix D

Letter from Grace Pacific dated September 30, 2015, responding to DPP letter of August 27th (2 pages)



A SUBSIDIARY OF ALEXANDER & BALDWIN, INC. GLP Asphalt • Maui Paving

September 30, 2015

Mr. George I. Atta, FAICP Director Department of Planning and Permitting City and County of Honolulu 650 South King Street Honolulu, Hawaii 96813

Dear Mr. Atta:

Thank you for your letter of August 27, 2015, regarding Grace Pacific's (GP) Sixth Annual Report dated November 6, 2014, Revised Beneficial Re-Use plan dated October 27, 2014 and revised Renaturalization Plan dated May 20, 2014. We offer the following comments and responses to your letter.

<u>SUP Condition No. 2:</u> Thank you for your approval of our May 20, 2014 Renaturalization Plan. As you request, GP will include a status report on our activities in future annual reports. Inasmuch as our next annual report is due in November 2015, GP expects to provide updates concerning this and other matters at that time.

<u>SUP Condition No. 10 and CUP Condition No. 3—Beneficial Re-use Plan:</u> Responses to the three comments offered are as follows. First, regarding the scope of the plan, Condition No. 10 requires GP "to provide a beneficial re-use plan for lands disturbed by its quarry operations. The plan shall include planning and preparation of design and implementation scenarios for the beneficial re-use of the pit area consistent with established land use policies for the site and surrounding area." The areas disturbed by quarrying operations include the pit area, the steep slopes and other minor areas intended as transitional landscaping. In that the latter two are unusable areas that will be landscaped or renaturalized, the beneficial re-use scenarios did focus on the pit area, consistent with the second sentence of Condition 10, cited above. Please advise if there is other specific information you require concerning the non-pit lands.

Comments two and three addressed funding strategies and the required public access. GP did provide a funding strategy for the baseline re-naturalization scenario. The other re-use plans/scenarios provided are very speculative at this point in time, based on assumptions and factors beyond our current control, and are some 17 years in the future. As such, we expect to provide funding strategies for these alternatives as we get closer to the closure date, when more definitive information is available on their feasibility and what is occurring in the surrounding area. GP is aware of the public access requirement and will highlight these in its plans. GP will provide more detailed information regarding this matter in our next annual report that is due in November 2015.



Maui Paving

Contaminated Soils: Information addressing cleanup or containment of soils in or around the pit which may be contaminated will be included with the beneficial re-use information in our next annual report.

Brush Fires: GP has had ongoing discussions with the Honolulu Fire Department and more detailed information will be included in our next annual report.

New Structures: On August 20, 2015, GP responded to Mr. Ray Young's August 4, 2015 email inquiry. Of the 17 objects identified, all were stored equipment, with the exception of labeled photo A-5, our Maintenance Shop Office Trailer, which we are in the process of getting permitted under building permit application number A2015-09-1099.

If you have any questions, please contact me at 216-6787 or 674-5201.

Sincerely,

Robert hips

Robert Creps Senior Vice President Grace Pacific LLC

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix E

Correspondence from State of Hawaii Clean Air Branch dated November 4, 2015 (3 pages)

REQUEST TO ACCESS A GOVERNMENT RECORD

DATE:

TO:

FROM:

11-2-15 Clean Air Beanch Makakilo Quaren Orace Puni Name or Alias aget 693-7104 ascell **Contact Information** filed against CSP N 0.0045-01C/CT De:

Although you are not required to provide any personal information, you should provide enough information to allow the agency to contact you about this request. The processing of this request may be stopped if the agency is unable to contact you. Therefore, please provide any information that will allow the agency to contact you (name or alias, telephone or fax number, mailing address, e-mail address, etc.).

I WOULD LIKE THE FOLLOWING GOVERNMENT RECORD:

Describe the government record as specifically as possible so that it can be located. Try to provide a record name, subject matter, date, location, purpose, or names of persons to whom the record refers, or other information that could help the agency identify the record. A complete and accurate description of the government record you request will prevent delays in locating the record. Attach a second page if needed.

Complaints filed between 10-01-14 to 9-30-15 against brace Pacific, Makakilo Quaepy, C'SP No. 0045-01-CCT Margaret D'Entremont (please check one or more of the options below) I WOULD LIKE: To inspect the government record. A copy of the government record: (Please check one of the options below.) See the back of this page for information about fees that you may be required to pay for agency services to process your record request. Note: Copying and transmission charges may also apply to certain options. Pick up at agency (date and time):

Mail

Fax (toll free and only if available)

X Other, if available (please specify): email: mdentremont @ gracepacific. Com

If the agency maintains the records in a form other than paper, please advise in which format you would prefer to have the record.

Electronic Audio Other (please specify):

Check this box if you are attaching a request for waiver of fees in the public interest (see waiver information on back).

SEE BACK FOR IMPORTANT INFORMATION

OIP 1 (rev. 9/12/01)

From:	Cab General <cab.general@doh.hawaii.gov></cab.general@doh.hawaii.gov>
To:	"MDEntremont@gracepacific.com" <mdentremont@gracepacific.com></mdentremont@gracepacific.com>
Date:	11/04/2015 10:32 AM
Subject:	Fw: Request to Access Gov't Record - Grace Pacific Makakilo Quarry CSP 0045-01

Good Morning Margaret:

I have checked the complaint data base of the Clean Air Branch and we have no complaints investigated at Grace Pacific Makakilo Quarry from 10-1-14 to 9-30-15.

If there are questions, please call me at 586-4200.

Thanks, Jill Stensrud Clean Air Branch

From: MDEntremont@gracepacific.com [mailto:MDEntremont@gracepacific.com]
Sent: Monday, November 02, 2015 10:06 AM
To: Cab General
Cc: Peltier, Crystal E
Subject: Request to Access Gov't Record - Grace Pacific Makakilo Quarry CSP 0045-01

Good Morning,

Attached is the form required to request access to Gov't records.

Please advise the earliest I may obtain this information.

Please contact me if additional information is required.

Thank you,

Margaret D'Entremont Grace Pacific LLC Makakilo Quarry (808) 693-7104 Direct (808) 306-7998 Cell (808) 693-7107 Fax

(See attached file: CAB Doc Request 20151102.pdf)

This message, including any attachments, is intended for the use of the party to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure. If you are not the intended recipient, any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error,

please contact the sender immediately by reply e-mail, and delete the original and any copies of this message. It is the sole responsibility of the recipient to ensure that this message and any attachments are virus free.[

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix F

Makakilo Quarry Hotline Log, October 1, 2014 through September 30, 2015 (2 pages)

				GRACE P/	ACIFIC MAKAKILO	QUARRY					
	COMMUNITY HOTLINE LOG										
	OCTOBER 01, 2014 TO SEPTEMBER 30, 2015										
Date of Call	Time of Call	Last Name	First Name	Message / Description of Call	Caller's Contact Info	Investigation / Responsible Party	Investigation / Action Plan	Follow-Up with Caller	Date of Follow-Up		
Fri. Jan. 23, 2015 *NON HOTLINE CALL*	10:30am	XXXXX		A Resident on Elele Place, Makakilo, phoned Margaret on her cell. He complained of excessive dust settling on his vehicles, window sills, windows and doors. Forwarded msg to Boyd to return call.	· /	Boyd Nobriga, Quarry Mgr	01/23/15 @ 1:20pm. Boyd phoned Resdient. Resident voiced his same concerns. Resident asked if there was any recourse for the dust hitting his house/cars/PV system. Boyd explained we have dust monitors and dust suppression systems are in place. Resident never witnessed any dust clouds etc, but heard from his neighbor that Grace blasts several times / wk. Resident just wanted us to be aware and try to minimize the problem.	Same	Same		
Fri. March 13, 2015 *NON HOTLINE CALL*	10:00 AM	XXXXX		A Resident of Kapolei Knolls – adjacent to Lower Quarry called re: excessive dust buildup. Said red dirt on cars. Said dust problem increased when tree line cut down. Called Chris H directly – not a Hotline Call	(808) xxx-xxxx	Chris Hermosura, Quarry Superintendent	Chris H went to Resident's home. Advised Resident that we no longer use the Lower Quarry. Chris reminded security guard to drive slowly when patrolling the Knolls perimeter. No other action taken.	Same	Same		
Tues. July 28, 2015	10:28A	XXXXX	XXXXX	Sales call	(808) xxx-xxxx	Margaret D'Entremont, Admin Asst	Referred call to Sales Rep Georgette Stevens	Same	Same		

	GRACE PACIFIC MAKAKILO QUARRY								
	COMMUNITY HOTLINE LOG								
OCTOBER 01, 2014 TO SEPTEMBER 30, 2015									
Mon. Aug. 03, 2015 *NON HOTLINE CALL*	1:42 PM	xxxxx	XXXXX	**Direct Call** A Resident of Kahiwelo, phoned re: dust generated from our road work / dust fence installation on that side of the quarry. He was concerned that we might be building something and the community had not been informed.	(808) xxx-xxxx	Boyd Nobriga, Quarry Mgr	Boyd Nobriga, Quarry Mgr, phoned Resident the same day. Boyd explained our presence on that side of the quarry and our purpose was in part to create a fire break. The matter was settled.	Same	Same
Mon. Sept. 21, 2015 *NON HOTLINE CALL*	12:30 PM	xxxxx	XXXXX	DIRECT CALL*** Resident from Nemo Street, Anuhea phoned my direct number regarding tall grass at the back of the Pu'u. The recent rainfall had caused the grass in the firebreak to gow extremely tall.		Margaret D'Entremont, Admin Asst	I contacted xxxxx and his crew cut the fire break over the weekend of 09/26& 09/27/15. Phoned Resident on Tues 09/29/15 and she confirmed the grass had been cut and residents were pleased with the results.		Same

ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix G

Index of two attached DVDs: (1) 2015 Annual Report 2015 Annual Report Appendices A - I

(2) Aerial Photos and Topographic Map, dated October 2, 2015

Index and Copies of Aerial Photos and Topographic Map follow this cover sheet (5 pages)

MAKAKILO QUARRY ANNUAL REPORT 2015 DVD CONTENTS



GRACE PACIFIC MAKAKILO QUARRY QUARRY EXPANSION PROJECT MAKAKILO, HI

 T	<u>p</u>		10305 SE 304th Pl Autourn, WA. 96092
1	11	(ALL 10	www.tapastrypartners.net office: (253) 880 = 4715 tax: (253) 322 = 2745

20151104 REV. 00 SHEET 1 OF 1

MQ 2015 EXHIBITS DVD CONTAINS

Туре	Name	Date modified	Size
File folder	MQ AERIAL IMAGE 2015 FILES	2015-11-04 1:27 PM	
🛼 File folder	MQ AERIAL TOPO 2015 FILES	2015-11-04 1:10 PM	
PDF Document	0 MQ ANNUAL REPORT 2015 DVD CONTENTS .pdf	2015-11-04 1:15 PM	48 KB
PDF Document	MQ AERIAL TOPO MAP 2015.pdf	2015-11-04 10:22 AM	8,060 KB
PDF Document	MQ LOWER AERIAL IMAGE 2015 high res.pdf	2015-11-04 10:22 AM	22,917 KB
PDF Document	MQ LOWER AERIAL IMAGE 2015 lite.pdf	2015-11-04 10:17 AM	1,464 K8
PDF Document	MQ OVERALL AERIAL IMAGE 2015 high res.pdf	2015-11-04 10:22 AM	80,145 KE
PDF Document	MQ OVERALL AERIAL IMAGE 2015 lite.pdf	2015-11-04 10:18 AM	5,390 KB
PDF Document	MQ UPPER AERIAL IMAGE 2015 high res.pdf	2015-11-04 10:22 AM	77,040 KE
PDF Document	MQ UPPER AERIAL IMAGE 2015 lite.pdf	2015-11-04 10:21 AM	4,852 KB

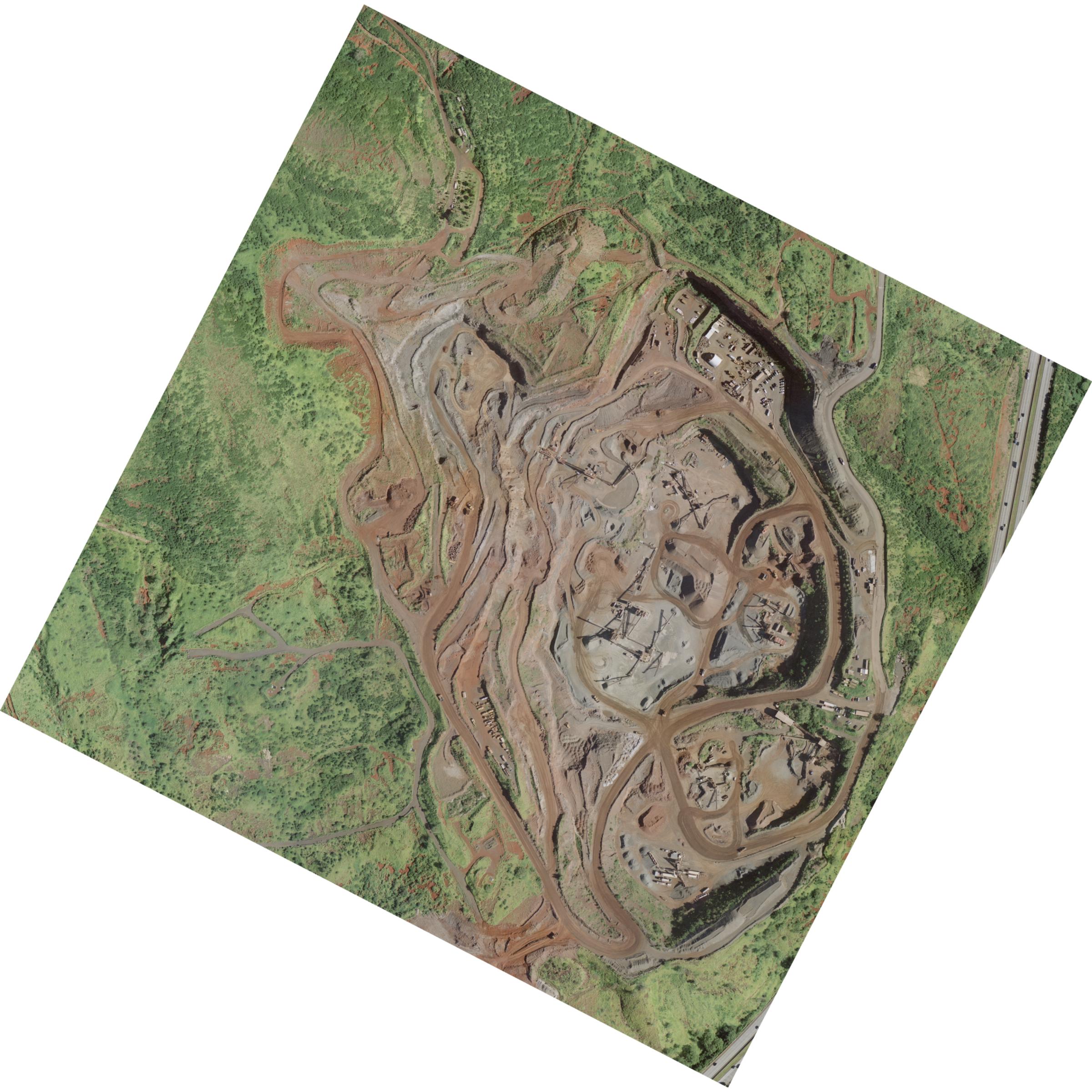
"MQ AERIAL IMAGE 2015 FILES" FOLDER CONTAINS

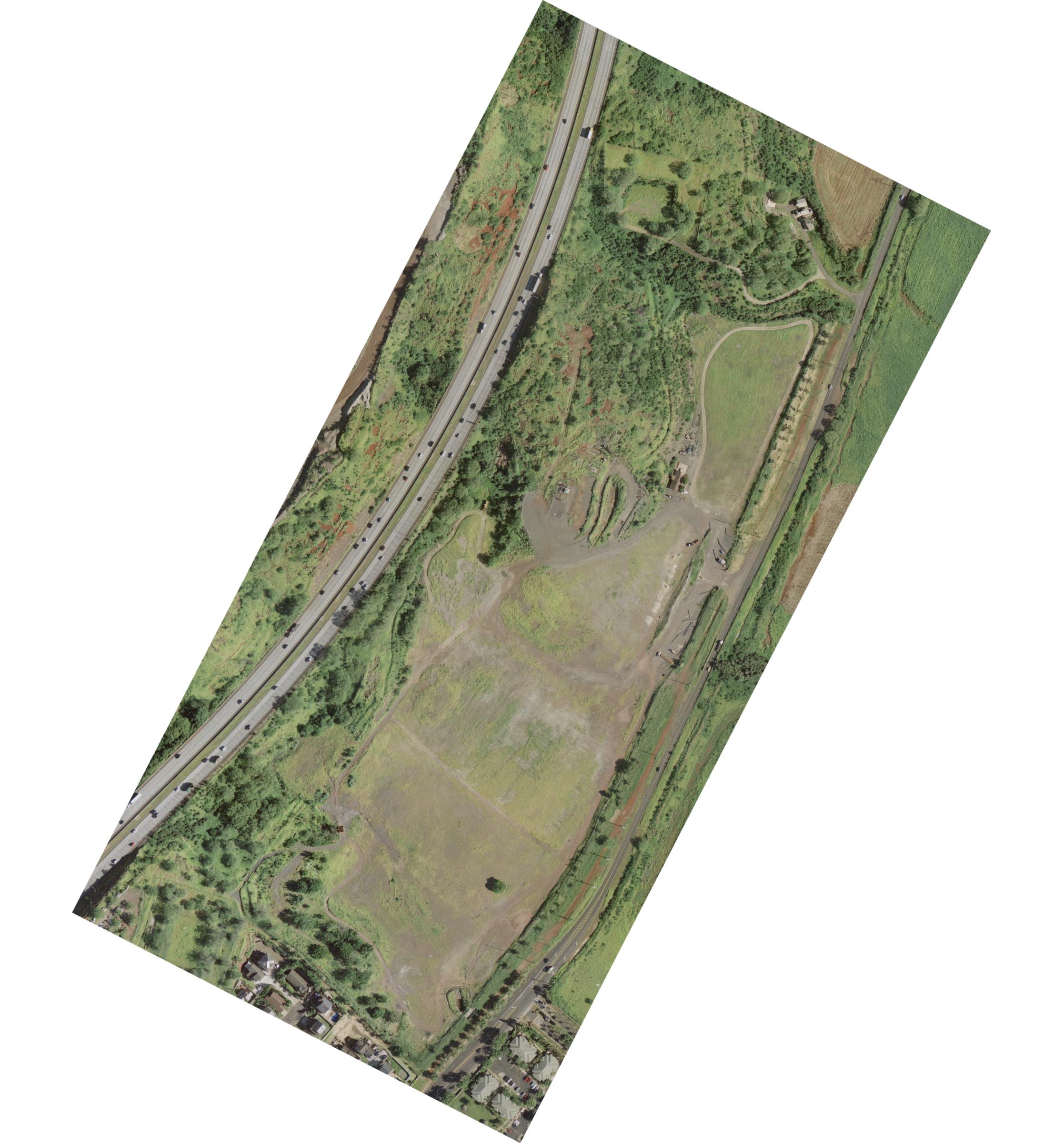
pe	 Name 	Date modified	Size
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TFW File	MAKAKILO LOWER QUARRY 20151002.tfw	2015-10-21 6:58 AM	1 KB
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PDF Document	MAKAKILO QUARRY 20151002.pdf	2015-11-04 1:24 PM	38,251 KB
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TFW File	MAKAKILO UPPER QUARRY 20151002.tfw	2015-10-21 6:58 AM	1 KB
TIE File	MAKAKILO UPPER QUARRY 20151002.tif	2015-11-03 7:53 AM	295,825 KB
			10000

"MQ AERIAL TOPO 2015 FILES" FOLDER CONTAINS

Туре	Name	Date modified	Size
S DWG TrueView Drawing	MakakiloQuarry_DTM_20151002.dwg	2015-10-22 4:17 PM	25,348 KB
DWG TrueView Drawing	MakakitoQuarry_PLAN_20151002.dwg	2015-10-22 4·17 PM	25,348 KB









ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix H

Status Report for Lower Quarry VRP, Environmental Science International, dated October 28, 2015 (2 pages)



109131

October 28, 2015

Grace Pacific LLC P.O. Box 78 Honolulu, Hawaii 96810

Attention: Mr. Robert Creps

Subject: Annual Report, Grace Pacific Lower Makakilo Facility, 91-920 Farrington Highway, Kapolei, Hawaii

References: Voluntary Response Program No. VRP-30

Dear Mr. Creps,

At your request, we have summarized the Voluntary Response Program [VRP] site characterization work completed at the Grace Pacific LLC [Grace Pacific] Lower Makakilo Facility from October 2014 to September 2015. Below is a summary of the work completed.

In November 2014, the site characterization work resumed and continued through August 2015. During this period soil samples were collected from Areas A, B, C, and D. By the end of August 2015, the initial soil sampling for the entire property was completed. Based on soil sample results to date, contaminants of potential concern including total petroleum hydrocarbons as diesel fuel [TPH-d] and oil [TPH-o], benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, methylene chloride, and polychlorinated biphenyls [PCBs] have been detected at concentrations above the State of Hawaii Department of Health [DOH] Environmental Action Levels [EALs].

In August 2015, the out-of-service industrial water well onsite was gauged to determine depth to groundwater. Free product consisting of a yellow viscous oil was observed floating on the groundwater in the well. Based on initial laboratory analysis and discussions with personnel familiar with the well (when it was in operation), the oil is likely a mineral oil that was used to lubricate the pump, a common practice for operating pumps in groundwater wells.

Currently, we are collating and reviewing all soil sample data collected during the initial site characterization to determine which areas may need additional assessment or further delineation. In addition, we are also conducting further analysis and research to confirm the free product in the well is indeed mineral oil that was used to lubricate the pump while it was in operation.

If you have questions or need additional information please give me a call at (808) 261-0740.

Mahalo,

Rendo

Robert Chong Program Manager

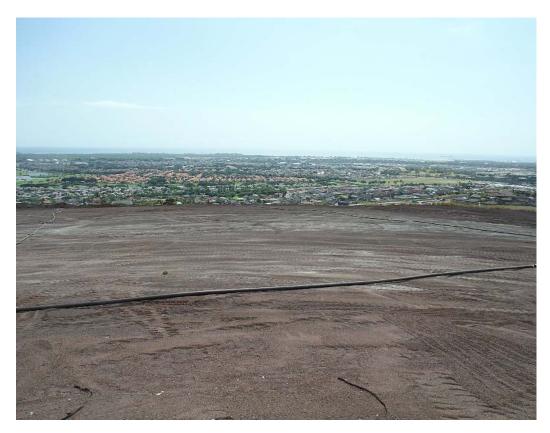
ANNUAL COMPLIANCE REPORT

Makakilo Quarry, Ewa, Oahu, Hawaii

2015

Appendix I

Photos of Irrigation Piping, Hole 8 (L-2.03), October 2015 (1 page)



Irrigation Piping, Hole 8 (L-2.03), looking towards Kapolei



Irrigation Piping, Hole 8 (L-2.03), looking towards Makakilo