TC213

Russell Arakaki

From: Russell Arakaki [rarakaki@pareninc.com]
Sent: Tuesday, August 18, 2009 1:00 PM
To: Shane Sumida
Cc: Joanna L. Seto; Karen Chun
Subject: CWB-NOI Form C for Castle Hills Access Road Drainage Improvements (HI R10D388)

Clean Water Branch
Department of Health
State of Hawaii
919 Ala Moana Blvd., Room 301
Honolulu, Hawaii 96814-4920

Dear Mr. Sumida,

We understand you did not receive our email with attachments that were sent to you yesterday because the total file size of the attachments exceeded 6 MB. Therefore, we are sending this email. The attachments were downloaded onto the Environmental Health Administration's file transfer site and are located in the Castle Hills Access Road folder. A list of files that were downloaded onto the file transfer site are listed below and also shown on the attached pdf file. A total of 24 files were downloaded.

Castle Hills_01B.CWBNOI_General_App-C.pdf
Castle Hills_01B.CWBNOI_General_App-C.xml
Castle Hills_01B.CWBNOI_General_App-C_data.xml
C-CWB-NOI Form C Attachments.pdf
C-CWB-NOI Form C.pdf
C-Fig01_Vicinity_Location Map.pdf
C-Fig02_Tax Map.pdf
C-Fig03_Existing Conditions.pdf
C-Fig04_DemoPlan1.pdf
C-Fig05_DemoPlan2.pdf
C-Fig06_General Layout.pdf
C-Fig06A_Drainage Systems.pdf
C-Fig07_Flow Chart.pdf
C-Fig08_Grad_North.pdf
C-Fig09_Grad_South.pdf
C-Fig10_Erosion Control.pdf
C-Fig11_ECP2 Notes.pdf
C-Fig12_ECP3 Notes_Dets.pdf
C-Fig13_ECP4 Notes_Dets.pdf
C-Fig13A_Concrete Pit.pdf
C-Fig14_Temporary Diversion.pdf
C-Fig15_100-yr Floodmap-Exist.pdf
C-Fig16_100-yr Floodmap-Prop.pdf
C-FIG17_Schedule.pdf

The following are our prepared responses to the Department of Health, Clean Water Branch (DOH-CWB) comments we received in connection with the subject project on 5/29/09 via electronic mail. The DOH-CWB comments are shown in italic followed by our response in bold.

The responses are being provided by e-mail. A printed hard copy of this email (with original signature and date) and disk (with electronic files of all attachments) will be mailed or delivered to you.

CWB NOI General Form

1. *Automatic Coverage – At the top of the form, check a box to either claim or waive automatic coverage.*

   Checked the box to waive automatic coverage.

2. *Item No. 4. Facility or Project Information – The facility location zip code provided (96734) should actually be 96744. Enter it as 96744-0000 if you don't know the 4-digit extension for that location.*

   Changed the facility location zip code to 96744-0000.

3. *Item No. 5.a. Receiving State Water(s) Information – The coordinates for only one (1) discharge point is provided. Figure 6 shows two (2) discharge points: one (1) at the upstream limit of the project and one (1) at the downstream limit. If the storm water runoff will enter the receiving water between the two (2) discharge points, provide the coordinates in Item Nos. 5.a.i. and ii. and indicate the upstream and downstream point in the receiving water name.*

   - **In Item No. 5.a.i. – Changed name to "Kapunahala Stream (Upstream Limit)" and changed coordinates accordingly.**
   - **In Item No. 5.a.ii. – Changed name to "Kapunahala Stream (Downstream Limit)" and changed coordinates accordingly.**
   - **In Item No. 5.a.iii. – Added a third Receiving Water Name (Kaneohe Stream) for the Pilina Way and Kupohu Street drainage systems with appropriate coordinates for this receiving water.**
   - **Revised Figure 6 (attached) by adding the locations of the upstream and downstream limits of the Kapunahala Stream receiving water.**

4. *Item No. 5.b. Receiving Separate Drainage System – This item was left blank. On the flow chart, you show runoff discharging to Kupohu Street. Figure 10 shows a sediment control filter to be installed at the existing catch basin on Kupohu Street. Provide the drainage system information in Item No. 5.b. and the receiving State water information for the drainage system in Item No. 5.a.ii. or iii.*

   A portion of the stormwater generated onsite flows to two (2) receiving separate drainage systems. The information for each of these receiving separate drainage systems is included in the "Attachment to CWB-NOI Form C".

   The check boxes below this item have been left unchecked. The requests to the Drainage System Owners for Approval to Discharge is being drafted. These requests for approval to discharge and subsequent drainage system owner approvals will be submitted at least 30 calendar days before the start of construction activities or discharge, whichever is sooner.

   A new Figure 6A (attached) is included. It shows the relative location and interconnection of the multiple Separate Drainage Systems and Receiving Waters.

CWB-NOI Form C

1. *Item No. C.3.a. Water for Dust Control – This item states that silt fences will be installed downstream of the disturbed area to capture pollutants before State waters. Water for dust control is not allowed to be discharged to State waters under this general permit. Provide a method or practice that will prevent water from dust control from being discharged to State waters.*

   Changed the response to this Item to "Apply water for dust control sparingly, only to lightly dampen surface without creating runoff of dust control water. Dust control water will not be discharged to MS4 or State waters."

2. *Item No. C.3.b. Concrete Truck Wash Water – Describe the "impermeable lined containers." Provide a detail drawing, if available.*

   Changed the response for this Item to "Concrete truck wash water will be emptied into temporary containment pits, lined with 10 mil thick polyethylene sheeting. No wash water will be discharged to MS4 or State waters." A new detail for the Concrete Washout Pit is included as Figure 13A (attached).

3. *Item No. C.3.c. Construction Exit Wash Water – This item states that the wash water will be contained within temporary washdown containment areas. The detail drawing shows that the water is to be contained using a filter berm. Is the filter berm permeable? If allowed to leave the containment area, the construction exit wash water may commingle with storm water runoff and discharge to State waters. Construction exit wash water is not allowed to be discharged to State waters under this general permit.*

   Changed the detail for the Washdown Containment Area Figure 13 (attached). Added an impermeable polyethylene sheeting within the extent of the washdown containment area. The filter berm is changed to a dirt berm, covered by the impermeable sheeting. The combination of berm and impermeable sheeting will contain the washdown water. Changed the Erosion Control Plan Figure 10 (attached) by revising the "filter berm" to "berm", wherever applicable.

4. *Item C.4.f. Location Map*

   a. *Provide a map showing the Kupohu Street drainage system, from inlet to the outfall to State waters.*

      Added a new Figure 6A (attached) to show the locations of the Kupohu Street and Pilina Way drainage systems, its connection to the C&C MS4 or HDOT MS4 and ultimate outfall to State receiving waters.

   b. *The notes on Figure 13 for the Sediment Filter Control states that the controls be installed on Pilina Way. Will the Pilina Way drainage system receive storm water runoff from the project site? If so, provide all the information regarding the drainage system and receiving State water (Item Nos. 5.a. and b. of CWB-NOI General Form and Item Nos. C.4.f. and C.5. of CWB-NOI Form C).*

      We are assuming that a portion of the onsite runoff will reach the Pilina Way drainage system. The information on the receiving State water has been added to 5.a.iii.; information on the receiving drainage system has been added to the "Attachment to

CWB-NOI Form C", under the Item No. 5.b.; the location of the receiving State water is shown on Figure 6A (attached); and the stormwater runoff flow sequence to the receiving drainage system has been added to the Flow Chart in Figure 7 (attached).

5. *Item No. C.5.f. Flow Chart – There's no mention of a drainage system receiving storm water from the project on the flow chart. Show the flow sequence associated with the Kupohu Street and Pilina Way drainage systems, if applicable.*

   Revised the Flow Chart Figure 7 (attached) to include the stormwater flows sequence associated with flows to the Kupohu Street drainage system and Pilina Way drainage system.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Russell M. Arakaki

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Project Manager

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