| State of Hawaii, Department of Health, Clean Water Branch |
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| **NOI Form C** |
| **NOI for HAR, Chapter 11-55, Appendix C - NPDES General Permit Authorizing Discharges of Storm Water Associated With Construction Activities (as defined in 40 CFR §§122.26(b)(14)(x) and 122.26(b)(15)(i))** |

**All sections of this form MUST be completed for National Pollutant Discharge Elimination System (NPDES) General Permit compliance.**

## *C.1 – General Information*

*You are required to fulfill all requirements. By submitting the NOI, you are certifying that:*

- *I prepared a Storm Water Pollution PrevCention Plan (SWPPP) in accordance with HAR, Chapter 11-55, Appendix C, Section 7 prior to submitting this NOI.*
- *I will comply with all terms, conditions, and requirements in HAR Chapter 11-55, Appendix C.*
- *I will implement, operate, and maintain my SWPPP to ensure that storm water discharges associated with construction activities will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix C.*

## *C.2 - Existing Pollution Sources/ History of Land Use*

*Describe the history of land use at the existing Facility/Project site:* **Fort Barrette Road is a state highway facility owned and maintained by the Hawaii State Department of Transportation. The areas surrounding the project are currently being used for residential purposes.**

*Determine if the existing Facility/Project site may contain any existing pollution source(s) by using the following references. Place a check next to all references you utilized to determine existing pollution source(s). You are required to check at least one reference.*

☐ *a. DOH, Solid and Hazardous Waste Branch-Hawaii Underground Storage Tank- Leaking Underground Storage Tank database*

☐ *b. DOH, Hazard Evaluation and Emergency Response Office records*

☐ *c. Phase I and/or Phase II Environmental Site Assessments, as applicable*

☒ *d. Recent site inspections*

☐ *e. Past land use history*

☐ *f. Soil sampling data, if available*

☐ *g. Other (specify):*_____

*Describe any existing pollution source(s) identified in the references you checked above:* **Pollution sources identified include fuel/oil, sediment, debris, and dust from motor vehicles using the roadway.**

*Describe any corrective measures that have been undertaken for any existing pollution source(s):* **Corrective measure include periodic sweeping and other maintenance activities as required to minimize pollutants from entering receiving waters.**

***Note: You are required to contact the Department of Health, Office of Hazard Evaluation and Emergency Response at (808) 586-4249 if contaminated soil or groundwater is known to be present at your project site.***

## *C.3 - Construction Site Estimates*

*Please provide the following estimates for the construction site.*

*Total project area including areas to be left undisturbed:* **19.97** *acres*

*Construction site area to be disturbed including storage and staging areas:* **19.97** *acres*

*Impervious area before construction:* **19.97** *acres*

*Impervious area after construction:* **19.97** *acres*

## *C.4 - Quantity of Storm Water Runoff*

*Estimate the quantity of storm water runoff during construction when the greatest and/or maximum area of disturbance occurs. Provide the supporting calculations in an attachment or insert in this section.*

_____ *Millions of Gallons per Day (MGD)*

*or*

**49.3** *Cubic Feet per Second (CFS)*

## *C.5 - Soil Characterization*

*Describe the nature of the soil on the project site (including the potential to encounter contaminated soil) and the nature of the fill material to be used :* **The project area consists of nine different types of soil; CR (coral outcrop), EaB (Ewa silty clay loam, 3 to 6 percent slopes), EmA (Ewa silty clay loam, moderately shallow, 0 to 2 percent slopes), HxA (Honouliuli clay, 0 to 2 percent slope), HxB (Honouliuli clay, 2 to 6 percent slopes), LaC3 (Lahaina silty clay, 7 to 15 percent slopes, severely eroded, MLRA 158), MnC (Mamala**

**cobbly silty clay loam, 0 to 12 percent slopes, MLRA 163), QU (quarry), and WkA (Waialua silty clay, 0 to 3 percent slopes).**

### *C.6 - Nature and Sequence of Construction Activity*

*What is the function of the construction activity (Please check all applicable activity(ies))?*

☐ *Residential* ☐ *Commercial* ☐ *Industrial* ☒ *Road Construction* ☒ *Linear Utility*

☐ *Other (please specify):*_____

*What is being constructed?* **Operational improvements along Fort Barrette Road for the following intersections, park entrance, and railroad crossing: intersection with Farrington Highway, entrance to Kapolei Regional Park, intersection with Kamaaha Street, intersection with Kapolei Parkway, Oahu Railway and Land Right-of-Way (OR&L ROW) railroad crossing, and the intersection with Roosevelt Avenue.**

*Describe the scope of work and major construction activities you wish to be covered in this NOI, including baseyards and staging areas. You may only include project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor. A separate NOI will be required for all other project areas.*

**The following are the general tasks associated with the project:**

- **Create a 10-foot-wide, two-directional shared-use path for pedestrian and bicycle connectivity between Farrington Highway and Roosevelt Avenue, potentially including pedestrian-scale lighting for nighttime usage;**
- **Remove an existing concrete irrigation piping and rock support on the east side of Fort Barrette;**
- **Restripe the intersection with Farrington Highway (Makakilo Drive) to provide 400 feet of additional storage (a travel lane) on the makai-bound side of Fort Barrette Road;**
- **Create a dedicated left turn lane into the Kapolei Regional Park entrance road, by widening the existing pavement on the northbound (east) side of the road by a maximum of 12 feet in width and approximately 1300 feet in length;**
- **Modify signal timing at the intersection with Kamaaha Street to allow for signal coordination with other intersections;**
- **At the intersection with Kapolei Parkway:**
    - **Modify signal timing and phasing to allow for signal coordination with other intersections and to provide a protected left turn phase;**
    - **Restripe Kapolei Parkway approaches to provide left turn storage and install new traffic signal for westbound Kapolei Parkway approaches;**

- **Widen Makai-bound Fort Barrette Road approach to provide dedicated rights turn lane.**

- **Rehabilitate the railroad crossing in the historic OR&L ROW, including installation of a railroad crossing gate;**
- **Signalize the intersection with Roosevelt Avenue (Enterprise Street), by installing a new traffic signal coordinated with other intersections;**
- **Safety improvements along the project limits, involving the following:**
  - **Install retroreflective borders on all overhead traffic signal heads at the four intersections named above;**
  - **Install milepost reference markers**
  - **Install shoulder/median rumble strips; and**
  - **Evaluate speed limits and sign locations.**

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### *C.7 - Existing or Pending Permits, Licenses, or Approvals*

*Place a check next to all applicable Federal, State, or County permits, Licenses, or approvals for the project and specify the permit number.*

☐ *Other NPDES Permit or NGPC File No.:* _____

☐ *Department of the Army Permit (Section 404):* _____

*If your project requires work in, above, under or adjacent to State waters, please contact the Army Corps of Engineers (COE) Regulatory Branch at (808) 438-9258 regarding their permitting requirements. Provide a copy of the COE permitting jurisdictional determination (JD) or the JD with COE Person's Name, Phone Number, and Date Contacted.*

☐ *Facility on SARA 313 List (identify SARA 313 chemicals on project site:* _____

☐ *RCRA Permit (Hazardous Wastes):* _____

☐ *Section 401 Water Quality Certification:* _____

☐ *Other (Specify):* _____

*County-approved Erosion and Sediment Control Plan and/or Grading Permit*

a. *Is a County-approved Erosion and Sediment Control Plan and/or Grading Permit, where applicable for the activity and schedule for implementing each control, required?*

   ☐ *Yes. Please complete Section C.7.b below and skip Section C.7.c.*

   ☒ *No. Please complete Section C.7.c below and skip Section C.7.b.*

b. *Is a copy County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, attached?*

☐ *Yes, see Attachment* _____

☐ *No, the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, will be submitted at least 30 calendar days before the start of construction activities.*

c. *Please select and complete at least one (1) of the following items to demonstrate that a County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, is not required.*

☐ *See Attachment* _____ *for the County written determination.*

☐ *Provide the County contact person information (Name, Department, Phone Number, and Date Contacted):* _____

☐ *The project is a Federal Project and does not require County approval.*

☒ *Other (specify):* **Grading Permit not required. Per letter of agreement with the City and County of Honolulu, this project falls under the typical project not requiring a grading permit (Road Rehabilitation, Intersection Improvements). A copy of the letter of agreement is included in Form C Attachment A-4. SWPPP will be implemented.**

## *C.8 - Project Site Maps and Construction Plans/Drawings*

*Attach, title, and identify all maps (pdf - minimum 300 dpi) listed below, in Attachment A.*

*Please reference which maps account for the features listed below.*

a. *Island on which the project is located.* **Oahu**

b. *Vicinity of the project on the island.* **See Attachment 1 – Project Location Map and Legal Boundaries Map**

c. *Legal boundaries of the project.* **See Attachment 1 – Project Location Map and Legal Boundaries Map and Attachment 5 – Permitted Area and Project Topography**

d. *Receiving State water(s) from Section 6 of e-Permitting form and receiving separate drainage system(s) from Section 7 of e-Permitting form, identified and labeled.* **See Attachment 2 – Discharge Points and State Waters Map**

e. *Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers.* **See Attachment 2 – Discharge Points and State Waters Map and Attachment 5 – Permitted Area and Project Topography**

f. *Boundaries of 100-Year flood plans.* **See Attachment 3 – FEMA Flood Hazard Map**

g. *Areas of soil disturbance.* **See Attachment 1 – Project Location Map and Legal Boundaries Map, Attachment 5 – Permitted Area and Topography**

h. *Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed.* **See Attachment 5 – Permitted Area and Project Topography**

i. *Pre-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* **See Attachment 5 – Permitted Area and Project Topography**

j. *During-Construction Topography (after major grading activities) including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* **See Attachment 5 – Permitted Area and Project Topography**

k. *Post-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* **See Attachment 5 – Permitted Area and Project Topography. The finish grades approximately match existing grades.**

### *C.9 - Construction Schedule*

*Provide the following estimated dates:*

*The date when construction activity will begin.* **July 1, 2020**

*The date when each major construction activity begins.* **July 1, 2020**

*The date when the Notice of Cessation form will be submitted.* **July 1, 2021**