SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

Instructions:

- Identify the operator(s) who will be engaged in construction activities at the site. Indicate respective responsibilities, where appropriate. Also include the 24-hour emergency contact.
- List subcontractors expected to work on-site. Notify subcontractors of stormwater requirements applicable to their work.

Operator(s):
Insert Company or Organization Name: State of Hawaii, Dept. of Transportation, Highways Division
Insert Name: Steven Yoshida, P.E.
Insert Address: 601 Kamokila Blvd, Rm 602
Insert City, State, Zip Code: Kapolei, HI 96707
Insert Telephone Number: 808-692-7682
Insert Fax/Email: 808-692-7690/Steven.Yoshida@hawaii.gov
Insert area of control (if more than one operator at site):

Subcontractor(s):
Information to be documented prior to the start of construction. Insert Company or Organization Name: \
Insert Name: \
Insert Address: \
Insert City, State, Zip Code: \
Insert Telephone Number: \
Insert Fax/Email: \
Insert area of control (if more than one operator at site):
Emergency 24-Hour Contact:
Information to be documented prior to the start of construction. Insert Company or Organization Name:
Insert Name:
Insert Telephone Number:

See Appendix D – Subcontractor Certifications/Agreements

1.2 Stormwater Team

Instructions:

- Identify the staff members (by name or position) that comprise the project's stormwater team as well as their individual responsibilities. At a minimum the stormwater team is comprised of individuals who are responsible for overseeing the development of the SWPPP, any later modifications to it, and for compliance with the requirements in this permit (i.e., installing and maintaining stormwater controls, conducting site inspections, and taking corrective actions where required).
- Each member of the stormwater team must have ready access to either an electronic or paper copy of your SWPPP.

Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Position: Insert Name:
Insert Telephone Number:
Insert Email:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Position: Insert Name:
Insert Telephone Number:
Insert Email:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Position: Insert Name:
Insert Telephone Number:
Insert Email:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Position: Insert Name:
Insert Telephone Number:
Insert Email:

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Project Name and Address	
Project/Site Name: Interstate Route H-1, Guardrail and Shoulder Improvements Project, Kapiolani Interchange to Ainakoa Avenue	
Project Street/Location: TMK 2-7-029, 2-7-030, 3-2-001, 3-2-007, 3-2-009, 3-2-010, 3-2-011, 3-2-012, 3-2-013, 3-2-014, 3-2-038, 3-2-039, 3-2-040, 3-2-041, 3-2-042, 3-2-043, 3-3-011, 3-3-012, 3-5-016, 3-5-017, 3-5-019, 3-5-023, 3-5-025, 3-5-044	
City: Honolulu	
State: HI	
ZIP Code: 96816	
County or Similar Subdivision: Honolulu County	
Project Latitude/Longitude	
Latitude:	Longitude:
21º 16' 46.23" N (degrees, minutes, seconds)	157º 47' 55.66" W (degrees, minutes, seconds)
Method for determining latitude/longitude: ESRI's ArcMap Geographic Information Systems (GIS) – Office of Planning, State of Hawai'i, GIS Program.	
☐ USGS topographic map (specify scale: _____)	☐ EPA Web site ☒ GPS
☐ Other (please specify): _____	
Horizontal Reference Datum: ☐ NAD 27 ☒ NAD 83 or WGS 84 ☐ Unknown If you used a U.S.G.S topographic map, what was the scale? N/A	
Additional Project Information Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes ☒ No If yes, provide the name of the Indian tribe associated with the area of Indian country (including the name of Indian reservation if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property: N/A If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency *(e.g., natural disaster, extreme flooding conditions)*, information substantiating its occurrence *(e.g., state disaster declaration)*, and a description of the construction necessary to reestablish effective public services: N/A Are you applying for permit coverage as a "federal operator" as defined in Appendix A of the 2012 CGP? ☐ Yes ☒ No	

2.2 Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)?
☒ Yes ☐ No

Are there any surface waters that are located within 50 feet of your construction disturbances?
☐ Yes ☒ No

Table 1 – Names of Receiving Waters

Name(s) of the first surface water that receives stormwater directly from your site and/or from the MS4 (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters)
1. Manoa Stream **2. Kahala Stream** **3. Waialae Stream**

Table 2 – Impaired Waters / TMDLs (Answer the following for each surface water listed in Table 1 above)

	Is this surface water listed as "impaired"?	If you answered yes, then answer the following:			
		What pollutant(s) are causing the impairment?	Has a TMDL been completed?	Title of the TMDL document	Pollutant(s) for which there is a TMDL
1.	☒ YES ☐ NO	Primarily: Total Nitrogen, Nitrite/Nitrate, Total Phosphate, Turbidity, Dieldrin, and Chlorodane	☐ YES ☒ NO		
2.	☐ YES ☒ NO		☐ YES ☒ NO		
3.	☐ YES ☒ NO		☐ YES ☒ NO		

Describe the method(s) you used to determine whether or not your project/site discharges to an impaired water:
1: Identified nearby surface water resources through Office of Planning, State of Hawai'i, GIS Program.
2: To complete Tables 2 and 3, we investigated the type of impairments listed in the "303(d) List" in the "2014 State of Hawaii Water Quality Monitoring and Assessment Report"

Table 3 – Permission to Discharge into Drainage System

1. Will discharge enter a drainage system before entering State Water?	2. Is the drainage system owner's approval attached?
☒ YES ☐ NO	☐ YES ☒ NO **Owner Facility is the same as owner of the drainage system.**

Table 4 – Other Permits if Applicable (Appendix H - Permits)

If applicable, is a copy of the county-approved grading permit attached?	☐ YES ☒ NO **County-approved grading permit is not required for repair and maintenance work on the H-1.**
If applicable, is a copy of the department of the army permit and Section 401 water quality certification attached?	☐ YES ☐ NO
Other applicable permits attached?	☐ YES ☒ NO

2.3 Nature of the Construction Activity

General Description of Project

Provide a general description of the construction project:

The applicant, State of Hawaii, Department of Transportation is proposing to upgrade and improve guardrails and shoulders along the Interstate Route H-1 between Kapiolani Interchange and Ainakoa Avenue, Milepost no. 25 and no. 27 in order to meet current roadway design requirements to satisfy the FHWA mandate to comply with requirements set forth by the National Cooperative Highway Research Program's Report 350. Improvements to the guardrails and shoulders include the following:

1. Guardrail replacements and improvements;
2. Replacement of thrie beams over select catch basins;
3. Connection of new thrie beams to existing guardrails and end posts;
4. Relocation of existing light poles from the shoulder to the median and repair of associated retaining walls;
5. Associated electrical connections to the new street lights and traffic signal;
6. Addition of a crash attenuator to the gore area at Waialae Avenue Off-ramp;
7. Improvements to retaining walls;
8. Addition of a bike lane and replacement of traffic signal at the Ainakoa Avenue Intersection;
9. Modifications to medians for new street lighting foundations;
10. Restriping;
11. Upgrades to bridge, wing wall, and retaining wall railings;
12. Upgrades to guardrail end posts;
13. Additions and improvements to concrete walls and barriers; and
14. Reconstruction of selected existing curbs.

Size of Construction Project

What is the size of the property (in acres), the total area expected to be disturbed by the construction activities (in acres), and the maximum area expected to be disturbed at any one time?

Total project area Including areas to be left undisturbed: 51.1 acres

Construction site area to be disturbed including storage and staging areas: 5.4 acres

Impervious area before construction: 5.3 acres

Impervious area after construction: 5.3 acres

Maximum area of disturbance at one time will be determined at a later date and submitted to DOH 30 days prior to start of construction.

Construction Support Activities (only provide if applicable)

Describe any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas)

DESCRIPTION OF CONSTRUCTION SUPPORT ACTIVITY: Equipment staging and storage area will be within or near the construction site area.

CONTACT INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Name, Telephone No., Email Address): To be determined; will submit information to DOH 30 days prior to the start of construction.

LOCATION INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Address and/or Latitude/Longitude) : Potential Equipment staging and storage areas are identified on construction drawings.

See Appendix A – Figures & Drawings

2.4 Sequence and Estimated Dates of Construction Activities

Instructions:

- Describe the intended construction sequence and timing of major activities.

* TBD by General Contractor - will submit to DOH 30 days before the start of construction.

Project Schedule			
	Major Construction Activity	**Start Date**	**End Date**
1	General Contractor Mobilization	*	*
2	Installation of Best Management Practices (BMPs)/Erosion Control Measures	*	*
3	Guardrail and Shoulder Improvements	*	*
4	Ainakoa Avenue Intersection Improvements	*	*
5	Removal of Construction BMPs	*	*
6	General Contractor Demobilization	*	*
7	Notice of Cessation	*	*

2.5 Site Maps

Instructions:

- Attach site maps in Appendix A. For most projects, a series of site maps is necessary and recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or, for more complicated sites, show the major phases of development.

These maps must include the following features:

- Boundaries of the property and of the locations where construction will occur, including:
  - ✓ Locations where earth-disturbing activities will occur, noting any phasing of construction activities;
  - ✓ Approximate slopes before and after major grading activities. Note areas of steep slopes, as defined in Appendix A;
  - ✓ Locations where sediment, soil, or other construction materials will be stockpiled;
  - ✓ Locations of any crossings of surface waters;
  - ✓ Designated points on the site where vehicles will exit onto paved roads;
  - ✓ Locations of structures and other impervious surfaces upon completion of construction; and
  - ✓ Locations of construction support activity areas covered by this permit.
- Locations of all surface waters, including wetlands, that exists on or near your site.
- The boundary lines of any natural buffer areas.
- Topography of the site, existing vegetative cover (e.g., forest, pasture, pavement, structures), and drainage pattern(s) of stormwater and allowable non-stormwater flow onto, over, and from the site property before and after major grading activities.
- Stormwater and allowable non-stormwater discharge locations, including:
  - ✓ Locations of any storm drain inlets on the site and in the immediate vicinity of the site; and
  - ✓ Locations where stormwater or allowable non-stormwater will be discharged to surface waters (including wetlands).
- Locations of all potential pollutant-generating activities.
- Locations of stormwater control measures.
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

Attachment A Figures & Drawings
Table of Contents
Attachment A-1: Figures • Figure 1 - Project Location • Figure 2 - Discharge Points into State Waters • Figure 3 - Soil Classification • Figure 4 – FEMA-FIRM Flood Zones
Attachment A-2: Construction Drawings
See Appendix A – Figures & Drawings

SECTION 3: EROSION AND SEDIMENT CONTROLS AND BEST MANAGEMENT PRACTICES (BMPS)

3.1 Potential Storm Water and Non-Storm Water Pollutant Sources and BMPs used to Prevent Pollutant Discharge into State Waters

Table 3.1.1: Potential Storm Water Pollutant Source and Mitigation

Source/Material	***General Description of how Potential Pollutant Source will be Prevented from Discharging with Storm Water Runoff into State Waters***	***Major Construction Activity Associated with Potential Pollutant***
Construction debris, green waste, general litter	• *Collect and dispose of all waste materials in trash dumpsters. Place dumpsters, with secure watertight lids, away from storm water conveyances and drains, in a covered materials storage area.* • *Dispose of construction and non-construction solid waste in accordance with State DOH regulations.* • *Load removed non- recyclable vegetation directly onto trucks; cover and transport to a licensed waste facility.* • *Good Housekeeping Measures**	*All Major Construction Activities*
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	• *Prohibit use of leaking or poorly maintained construction equipment/machinery.* • *Regularly inspect all onsite vehicles and equipment, and repair immediately offsite, or remove from the project site.* • *Hazardous materials will be disposed of offsite in accordance with federal, state, and municipal regulations.* • *Good Housekeeping Measures**	*All Major Construction Activities*
Soil erosion from the disturbed areas	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Minimize the amount of land exposed at any one time.* • *Prohibit work during heavy rain.* • *Keep project site damp at the end of each day, so that the site will remain moistened during the night.*	*All Major Construction Activities*

Sediment from soil stockpiles	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Temporary excavated material/stockpiled sediment shall be protected with plastic that is held in place with rocks, ropes, wood, or other suitable materials to prevent dust and erosion.*	*All Major Construction Activities*
Emulsified asphalt or prime/tack coat	• *Avoid paving during wet weather.* • *Good Housekeeping Measures**	• *Heavy and Light Duty Asphalt Concrete (driveway improvements, parking stalls, and area surrounding the facility)* • *Construction of building foundation and floor slabs*
Materials associated with painting, such as paint and paint wash solvent	• *Apply paint according to the manufacturer's instructions.* • *Avoid painting during wet weather.* • *Paint washing effluent will not be permitted to be discharged directly onto the ground or into nearby drainage systems/State waters.* • *Clean water based paint application equipment in an impermeable containment area where the dried paint can be readily removed.* • *Good Housekeeping Measures**	• *Construction of New Building*
Industrial chemicals, fertilizers, and/or pesticides	• *Use fertilizers and pesticides according to the manufacturer's instructions.* • *Avoid application during wet weather.* • *Work fertilizer into the soil to limit exposure to storm water.* • *Dispose of materials at a licensed waste facility.* • *Good Housekeeping Measures**	• *Installation of Landscaping*
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	• *All solid waste shall be disposed of at DOH, Solid and Hazardous Waste Branch (SHWB) and Solid Waste Section (SWS) permitted facilities.* • *Good Housekeeping Measures**	*All Major Construction Activities*
Metals	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Good Housekeeping Measures**	*All Major Construction Activities*
Existing Pollution Sources	*N/A*	*N/A*

Table 3.1.2: Potential Non-Storm Water Pollutant Sources and Mitigation

Source/ Material	***General Description of how Potential Non-Storm Water Pollution Source will be Prevented from Discharging into State Waters***	***Major Construction Activity Associated with Potential Pollutant***
Dust Control Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Dust will be minimized by spraying water on exposed soil surfaces as necessary; control application rate so that water is sprayed for dust control purposes only, at a sufficient rate to wet the project area without causing runoff.*	*All Major Construction Activities*
Concrete Truck Wash Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Vacuum concrete truck-wash water or allow water to evaporate and properly dispose of dried concrete left behind at an approved disposal site.* • *Concrete washout effluent will not be allowed to percolate into the ground or be discharged to state waters.*	• *Heavy and Light Duty Asphalt Concrete (driveway improvements, parking stalls, and area surrounding the facility)* • *Construction of building foundation and floor slabs*
Construction Exit Wash Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long) and inlet/outlet protection.* • *Constrain wash effluent to vehicle wash area and design control measures to contain wash water and capture pollutants; allow effluent to percolate or evaporate.*	• *All Major Construction Activities*
Saw-cutting Slurry	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7"diameter Biosock[TM] or approved equal).* • *<u>Prohibit the discharge of slurry directly into any drainage system or State waters.</u>* • *Shovel or vacuum saw-cut slurry, place into containers lined with impermeable material, so the water will evaporate, or pump captured saw-cut slurry and take off-site to be properly disposed of at an appropriate facility.*	• *Construction of building foundation and floor slabs*

Concrete Curing Water	• *Prohibit the discharge of concrete curing water directly into any drainage system or State waters.* • *Apply concrete curing water only in sufficient amounts to wet surface without causing runoff.*	• *Heavy and Light Duty Asphalt Concrete (driveway improvements, parking stalls, slabs, and area surrounding the facility)* • *Construction of building foundation and floor slabs*
Existing Pollution Sources	*N/A*	

Table 3.1.3: Erosion and Sediment Control Measures and Best Management Practices (BMP) Description and Installation Detail

Pollutant Source as Identified Above in Table 3.1.1 and 3.1.2	***Detailed Description of BMPs to be Implemented***	***Maintenance Requirements***	***BMP Installation Location and Details with Dimensions and Product Data Reference***
Construction debris, green waste, general litter	• *All personnel will be instructed, during tailgate training sessions, regarding the correct disposal of trash and construction debris. No construction materials will be buried on-site. Notices that state these practices will be posted in the office trailer and the individual who manages day-to-day operations will be responsible for seeing that these practices are followed.* • *Designated recycling bins will also be available for items such as plastic, glass, cardboard, batteries, scrap metal, used oil filters, etc. Trash dumpsters will be properly maintained, emptied weekly, and promptly emptied when full.* • *Good Housekeeping Measures**	• *The dumpsters will be inspected weekly and immediately after storm events. Each dumpster will be emptied weekly and taken to the landfill.* • *If trash and debris begin to exceed dumpster capacity, the dumpsters will be emptied more frequently or more facilities will be brought onto the site.*	*N/A*
Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage	• *Proper equipment and vehicle fueling and maintenance will begin at the start of the project.* • *If necessary, fueling activities will occur in the staging area within a designated fueling area with measures in place to capture fuel/petroleum products should a spill occur.* • *Drip pans or absorbent materials will be placed under equipment and vehicles when not in use.* • *Vehicles and equipment will be located away from stormwater conveyances and drains.* • *Good Housekeeping Measures**	• *Vehicles and equipment will be inspected on each day of use.* • *Absorbent, spill-cleanup materials and spill kits will be available in the staging area at all times to handle spills, leaks, and disposal of used liquids. If a spill occurs, the Spill Prevention and Response procedures will be followed.*	*N/A*

Soil erosion from the disturbed areas	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Excavated material that will not be used as backfill will be hauled off-site or stockpiled temporarily in a designated location. Temporarily stored stockpile material no longer required for the project will be disposed of offsite at an acceptable facility authorized for the acceptance of construction and demolition debris.* • *Imported materials will be stockpiled in a designated location if it cannot immediately be put to use. The designated location will provide adequate setback from waterways and drain inlets.*	• *All tires of construction vehicles shall be sufficiently cleaned off so that dirt or debris is not tracked off the construction site. Where sediment has been tracked-out from the site onto the surface of off-site streets, other paved areas, and sidewalks, the sediment shall be removed (i.e. swept or vacuumed) by the end of the same work day in which the track-out occurs orbit he end of the next work day if track-out occurs during non-working hours. Hosing and sweeping sediment into storm water devices is prohibited.* • *At the end of each workday, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings****.*
Sediment from soil stockpiles	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Stockpiled sediment to be protected will be covered with plastic that is held in place with rocks, ropes, wood, or other suitable*	• *All tires of construction vehicles shall be sufficiently cleaned off so that dirt or debris is not tracked off the construction site. Where sediment has been tracked-out from the site onto the surface of off-site streets, other paved areas, and sidewalks, the sediment shall be removed (i.e. swept or vacuumed) by the end of the same work day in which the track-out occurs orbit he end of the next work day if track-out occurs during non-working hours. Hosing and sweeping sediment into storm water devices*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings****.*

	materials. • *Excavated material that is not to be used as backfill on-site, will be hauled off-site or stockpiled temporarily in a designated location.*	*is prohibited.* • *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	
Emulsified asphalt or prime/tack coat	• *The contractor shall monitor weather forecasts weekly and on the day of the paving activity to ensure work does not occur during rain events.* • *If wet weather is imminent prior to the start of activities, or occurs during construction, all paving work will cease and measures shall be taken to prevent excessive runoff from paved surfaces into surface waters.* • *Good Housekeeping Measures**	• *The storage areas will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored.* • *Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.* • *If any leaks or spills of emulsified asphalt or prime/tack coat are found, the spill response procedures will be followed.*	*N/A*
Materials associated with painting, such as paint and paint wash solvent	• *Avoid usage during wet weather: The contractor shall monitor weather weekly forecasts and on the day of the paving activity to ensure work does not occur during rain events.* • *If wet weather is imminent prior to the start of activities, or occurs during construction, all work will cease and measures taken to prevent excessive runoff from paved surfaces into surface waters.*	• *The storage areas will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored.* • *Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.* • *If any leaks or spills of paint and paint wash solvent are found, the spill response procedures will be followed.*	*N/A*

	• *Designated paint washout area to receive all effluent must be designed such that no overflows can occur. Effluent shall be allowed to evaporate and resulting paint left behind shall be disposed of at a licensed waste facility.* • *Good Housekeeping Measures**		
Industrial chemicals, fertilizers, and/or pesticides	• *Avoid usage of pesticides, herbicides, insecticides, fertilizers, and other landscape materials during wet weather: The contractor shall monitor weather weekly forecasts and on the day of the paving activity to ensure work does not occur during rain events.* • *If wet weather is imminent prior to the start of activities, or occurs during construction, all work will cease and measures taken to prevent excessive runoff from paved surfaces into surface waters.* • *Good Housekeeping Measures**	• *The storage areas will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored.* • *Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.* • *If any leaks or spills of industrial chemicals, fertilizers, and/or pesticides are found, the spill response procedures will be followed.*	*N/A*
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	• *All hazardous waste shall be disposed of at DOH, Solid and Hazardous Waste Branch (SHWB) and Solid Waste Section (SWS) permitted facilities.* • *Hazardous waste materials will not be disposed of in the on-site dumpsters.* • *All hazardous waste materials such as oil filters, petroleum products, paint, and equipment maintenance fluids will be stored in structurally sound and sealed shipping containers, within the hazardous materials storage area.* • *All personnel will be instructed regarding proper procedures for hazardous waste disposal. Notices that state these procedures will be posted in the office trailer and the individual who manages day-to-day site operations will be*	• *The hazardous waste material storage areas will be inspected weekly and after storm events. Inspection will include examining all containers and secondary containment for evidence of leaks.* • *The storage areas will be kept clean, well-organized, and equipped with ample cleanup supplies as appropriate for the materials being stored.* • *Material safety data sheets, material inventory, and emergency contact numbers will be maintained in the office trailer.* • *If any leaks or spills of hazardous waste are found, the spill response procedures will be followed.*	*N/A*

	responsible for seeing that these procedures are followed. • *Good Housekeeping Measures**		
Metals	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Good Housekeeping Measures**	• *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings.***
Dust Control Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter Biosock[TM] or approved equal).* • *Potable water used for dust control will be used only as necessary and applied only to wet surfaces so as to minimize the potential for sediment runoff.* • *The project site shall be kept damp with water for seven (7) days a week. The site shall be sufficiently dampened at the end of each day in order to retain moisture throughout the night. Inspections will be performed on a daily basis to determine if watering is necessary.*	• *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings***.

Concrete Truck Wash Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock (6" to 7" diameter* Biosock[TM] *or approved equal).* • *Concrete pours will not be conducted during or before an anticipated storm event.* • *All excess concrete and concrete washout slurries from the concrete mixer trucks and chutes will be discharged into the washout basin/area or hauled off-site for disposal at the PVT Landfill, or designated military construction waste disposal site.* • *When the temporary washout basins/areas are no longer needed for the construction project, the hardened concrete and materials used to construct the areas will be removed and disposed of and the washout areas will be back-filled, graded and stabilized with erosion controls.*	• *All tires of construction vehicles shall be sufficiently cleaned off so that dirt or debris is not tracked off the construction site. Where sediment has been tracked-out from the site onto the surface of off-site streets, other paved areas, and sidewalks, the sediment shall be removed (i.e. swept or vacuumed) by the end of the same work day in which the track-out occurs or at the end of the next work day if track-out occurs during non-working hours. Hosing and sweeping sediment into storm water devices is prohibited.* • *The washout area will be inspected daily to ensure that all concrete washing is being discharged into the washout area, no leaks or tears are present, and to identify when concrete wastes need to be removed.* • *The washout areas will be cleaned out once the area is filled to 75 percent of the holding capacity. Once the area's holding capacity has been reached, the concrete wastes will be allowed to harden; the concrete will be broken up, removed, and taken to the landfill for disposal. Accumulated sediment will be removed from the base of dust fence before it has accumulated to one-half of the above-ground height of any perimeter control.* • *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings.***

		• *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	
Construction Exit Wash Water	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long) and inlet/outlet protection;* • *Equipment and vehicles will be sufficiently cleaned off on an as-needed basis to prevent dirt or debris from being tracked off-site.* • *Equipment and vehicles will not be allowed to wash out on-site unless the runoff is contained and does not leave the work area.* • *Soaps, detergents, or solvents will not be used for washing.* • *The street adjacent to the work area shall be cleaned as required to remove excess mud, dirt, or material tracked from the work area.*	• *All tires of construction vehicles shall be sufficiently cleaned off so that dirt or debris is not tracked off the construction site. Where sediment has been tracked-out from the site onto the surface of off-site streets, other paved areas, and sidewalks, the sediment shall be removed (i.e. swept or vacuumed) by the end of the same work day in which the track-out occurs orbit he end of the next work day if track-out occurs during non-working hours. Hosing and sweeping sediment into storm water devices is prohibited.* • *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	*For installation details of the BMPs see* ***Appendix A-2, Construction Drawings.***
Saw-cutting slurry	• *Install temporary BMPs prior to ground disturbance: stabilized construction entrance (20' wide x 50' long); inlet/outlet protection; and dust fence with silt fence (21" minimum high - Mirafi 100x or approved equal) or compost filter biosock*	• *Vacuum trucks or vacuum devices and containers used for the capture of saw cutting water/slurry will be inspected weekly and after storm events.* • *Leaks will be repaired immediately, or the problem vehicle(s) or equipment will be*	

	(6" to 7" diameter Biosock[TM] or approved equal). • *Shovel, vacuum and/or dispose saw-cut slurry at an appropriate facility.*	*removed from the project site.* • *At the end of each work day, BMPs shall be inspected, any evidence of sediment accumulation and debris shall be removed by the end of the same day. Inspection will also occur after a rain event of more than 0.5-inch over a 24-hour period.* • *The contractor shall remove appropriate BMPs at times of above normal rainfall events and replace them when the event has passed.* • *All BMPs shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after inspection.*	• *For installation details of the BMPs see* ***Appendix A-2, Construction Drawings.***
Concrete curing water	• *Concrete curing water will be used onsite for irrigation purposes without causing runoff.*	• *If water used is generating runoff, the method will be adjusted to prevent runoff.*	*N/A*

** Good Housekeeping Measures:*

1. *Dispose of all non-hazardous waste at DOH, Solid and Hazardous Waste Brach (SHWB), Solid Waste Section (SWS) permitted facilities. Prohibit disposal of hazardous materials into the on-site dumpsters.*
2. *Hazardous waste materials will be stored in appropriate and clearly marked containers and segregated from other non-waste materials. Secondary containment will be provided for all materials in the hazardous materials storage area, i.e. the use of spill pallets (elevated at least 6-inches off the ground surface) or Conex, a shipping container specially-designed with secondary containment.*
3. *Store construction products and materials in original containers, or in structurally sound, weatherproof and sealed containers, clearly labeled with original product labels on, covered with PVC sheet plastic or similar material, under a covered hazardous-materials storage area, segregated from other construction materials.*
4. *Material Safety Data Sheets (MSDSs) for all materials stored in the area will be available to site workers.*
5. *Substances will not be mixed with on another unless recommended by the manufacturer.*
6. *Keep ample supply of cleanup materials and spill kits at staging area, onsite, at all times to handle spills, leaks and offsite disposal of hazardous materials.*
7. *If a spill occurs, the Spill Prevention and Response procedures will be followed. The spill area will not be hosed down so that the hazardous materials are spread to nearby areas; instead, dry clean up measures will be used. Instruct all personnel during tailgate training sessions, regarding the correct procedures. Post notices that state these practices in the office trailer and appoint an individual who manages day-today site operations to be responsible for overseeing that these practices are followed.*

3.2 Natural Buffers or Equivalent Sediment Controls

Instructions:

- If there are any surface waters within 50 feet of your project's earth disturbances, then you are required to *retain* a 50–foot undisturbed natural buffer in addition to sediment controls. If the undisturbed natural buffer is less than 50 feet, then sediment/perimeter controls need to be doubled and spaced a minimum of 5 feet apart. If it is infeasible to *retain* any type of existing undisturbed natural buffer, then the sediment controls need to be doubled, and stabilization needs to be completed within 7 calendar days of the temporary or permanent cessation of earth-disturbing activities.

Are there any surface waters within 50 feet of your project's earth disturbances? ☐ YES ☒ NO (Note: If no, no further documentation is required for the SWPPP Template.)
Buffer compliance alternative chosen: ☐ 50-foot undisturbed natural buffer ☐ <50-foot undisturbed natural buffer ☐ No 50-foot natural buffer
Description of buffer compliance alternative chosen :

3.4 Site Stabilization

Instructions:

You are required to immediately* initiate stabilization when work in an area of your site has permanently or **temporarily stopped.

- *Immediately means as soon as practicable, but no later than the end of the next workday, following the day when the earth-disturbing activities have temporarily or permanently ceased.
- Soil stabilization measures must be completed no later than 14 calendar days after the initiation of soil stabilization measures. For sites discharging into impaired waters, soil stabilization measures need to be completed within 7 calendar days after earth-disturbing activities have temporarily or permanently ceased.
- **Earth-disturbing activities have temporarily ceased when clearing, grading and excavation with any area of the site will not include permanent structures and will not resume for a period of 14 or more calendar days, but such activities will resume in the future. The 14 calendar day timeframe begins counting as soon as the Contractor knows that construction work on a portion of the site will be temporarily ceased.

For your SWPPP, you must include the following:

- Describe the specific vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have temporarily or permanently ceased. Avoid using impervious surfaces for stabilization whenever possible.

Site Stabilization Practice ☒ *Vegetative* ☒ *Non-Vegetative* ☒ *Temporary* ☒ *Permanent*
Temporary Description of Practice and Maintenance Requirements • Retain exiting round cover until latest date to complete construction. • All cut and fill slopes shall be sodded or planted immediately after grain work has been completed. • Disturbed areas of construction site that will not be re-disturbed for 21 days or more shall be stabilized with grass or graveled by no later than the 14th day after the last disturbance.

- Temporary erosion controls shall not be removed before permanent erosion controls are in place and established.

Permanent

Description of Practice and Maintenance Requirements

- Retain natural vegetation, especially grasses wherever feasible.
- Permanent drainage system such as concrete curbs, gutters and sidewalks will be installed.
- Permanent landscaping and perennial vegetation shall be applied as soon as practicable after final grading.

See Appendix E – Grading and Stabilization Activities Log

SECTION 4: Spill Prevention and Response

4.1 Spill Prevention and Response Procedures

Instructions:

- Describe procedures you will use to prevent and respond to leaks, spills, and other releases. You must implement the following at a minimum:
  - ✓ Procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases. Identify the name or title of the employee(s) responsible for detection and response of spills or leaks; and
  - ✓ Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity consistent with Part 2.3.3.4c and established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period. Contact information must be in locations that are readily accessible and available.

The spill prevention and control procedures will be implemented once construction begins on-site and continue until construction ceases. All personnel will be instructed regarding the correct procedures for spill prevention and control.

Spill Prevention and Control Procedures:

1. Employee Training: All employees will be trained in spill prevention and response procedures and records kept with this SWPPP document. Instruct all personnel during tailgate training sessions, regarding the correct spill prevention and response procedures. Post notices that state these practices in the office trailer and appoint an individual who manages day-today site operations to be responsible for overseeing that these practices are followed.

2. Vehicle Maintenance: Vehicles and equipment will be maintained off-site. All vehicles and equipment including subcontractor vehicles will be checked for leaking oil and fluids. Vehicles leaking fluids will not be allowed on-site. Drip pans will be placed under all vehicles and equipment that are parked overnight. If fueling is conducted at the site, drip pans (or approved equivalent) will be placed under construction vehicles during fueling activities to prevent spilled fuel from falling onto the ground. Automobile chemicals will be stored in water-tight containers away from rainwater. Disposal of oily wastes will be done in accordance with federal, state and city requirements. Spill kits will be within the materials storage area. Spills will be cleaned up immediately, using dry clean-up methods where possible –surfaces will not be cleaned by hosing the area down. After the spill is cleaned up, spent absorbent materials and rags will be hauled off-site immediately for disposal at a landfill. The source of the spill will be remedied to prevent future spill occurrences. Material safety data sheets, a material inventory, and emergency contact information will be maintained at the on-site project trailer.

3. Hazardous and Toxic Waste: Hazardous materials will be separated from construction and domestic waste, and will be stored in sealed containers which are constructed of suitable material to prevent leakage and corrosion and which are labeled in accordance with applicable Resource Conservation and Recovery Act (RCRA) requirements and all other applicable federal, state and local requirements. Secondary containment will be provided for all materials in the hazardous materials storage area, i.e. plastic sheeting, temporary roofs, spill berms, spill containment pallets, or a similarly effective means designed to prevent the discharge of pollutants from coming into contact with rainwater, i.e. having a spill kit available. Disposal of hazardous or toxic waste will

be in accordance with federal, state and city requirements.

4. Construction Product and Material Storage: Construction products and materials (i.e. pesticides, herbicides, diesel fuel, oil, buildings products) will be stored in original containers, or in structurally sound, weatherproof and sealed containers, clearly labeled with original product labels on. Provide some kind of secondary containment to prevent the discharge of pollutants from coming into contact with rainwater, i.e. plastic sheeting, temporary roofs, spill berms, spill containment pallets, or a similarly effective means designed to prevent the discharge of pollutants from coming into contact with rainwater, i.e. having a spill kit available.

5. Spill kits: spill kits will be within the materials storage area. Spills will be cleaned up immediately, using dry clean-up methods where possible –surfaces will not be cleaned by hosing the area down. After the spill is cleaned up, spent absorbent materials and rags will be hauled off-site immediately for disposal at a landfill. The source of the spill will be remedied to prevent future spill occurrences. Material safety data sheets, a material inventory, and emergency contact information will be maintained at the on-site project trailer.

   Where a leak, spill or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, the permittee shall notify the National response Center (NRC) at (800) 424-8802, the Clean Water Branch during regular businesses hours at (808) 586-4309, and the Hawaii State Hospital Operator at (808) 247-2191 and the Clean Water Branch via email at cleanwaterbranch@doh.hawaii.gov during non-business hours as soon as the permittee has knowledge of the discharge. The permittee shall also, within 7 calendar days of knowledge of the release, provide a description of the release, the circumstances leading to the release, and date of the release. State and local requirements may necessitate additional reporting of spills or discharges to local emergency response public health or drinking water supply agencies.

SECTION 5: INSPECTION AND CORRECTIVE ACTION

5.1 Inspection Personnel and Procedures

Instructions:

- Describe the procedures for inspections.

Schedule

- At minimum the you shall conduct a site inspection* at least one every 7 calendar days, **or** once every 14 calendar days and within 24 hours of the occurrence of storm event of 0.25 inches or greater (once a storm event has produced 0.25 inches you are required to conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the end of the storm). A properly maintained rain gauge shall be kept on the site, or obtain the storm event information from a weather station that is representative of the location. For any day of rainfall during normal business hours that measures 0.25 inches or greater, you shall record the total rainfall measured for that day.
- If the project site discharges into an impaired water (according to the State CWA Section 303(d) list), then you shall conduct a site inspection* at least one every 7 calendar days **and** within 24 hours of the occurrence of storm event of 0.25 inches or greater (once a storm event has produced 0.25 inches you are required to conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the end of the storm).
- *Inspections are only required during the project's normal working hours.
- The frequency of inspections may be reduced to once per month in any area of the site where the stabilization measures have been completed. However if construction activity resumes in this portion of the site at a later date, the inspection frequency immediately increases to that originally required.

Personnel Responsible for Inspections
INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL WHO WILL BE CONDUCTING SITE INSPECTIONS HERE:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Name:
Insert Telephone Number:
Insert Email:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Name:
Insert Telephone Number:
Insert Email:
Note: All personnel conducting inspections must be considered a "qualified person." A "qualified person" is a person knowledgeable in the principles and practices of erosion and sediment controls and pollution prevention, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.

Inspection Schedule

- The identified State water that the site will discharge into is the Manoa Stream, which is an impaired water, according to the State CWA Section 303(d) list. The exact inspection schedule information will be conducted at a minimum of every 7 calendar days and within 24 hours after a rainfall event of 0.25 inches or more has occurred. Contractor will need to have a rain gauge at the site to verify rainfall amount.

Inspection Report Form:

- You are required to complete an inspection form within 48 hours of completing any site inspection. If it is determined unsafe to inspect a portion of the site, then you shall describe the reason to be unsafe and specify the locations that this condition applied. Each inspection report must be certified and signed by the duly authorized representative or another appointed individual that meets the requirements of 11-55-07(b).
- It is required to keep a current, copy of all inspection reports at the site or at an easily accessible location, so that it can be made available at the time of an onsite inspection or upon request by the DOH-CWB.
- All inspection reports must be retained for at least 5 years from the date ha the permit coverage expires or is terminated.
- Areas to be inspected at minimum: areas that have been disturbed and are not yet stabilized to ensure that there is no erosion or sedimentation; all locations where stabilization measures have been implemented; all erosion and sediment controls and BMPs to ensure that they have been installed properly and are operational at; all hazardous and construction products and material storage areas to ensure that there are no spills or leaks.

See Appendix B – Inspection/Corrective Form

5.2 Corrective Action

Instructions:

- Describe the procedures for taking corrective action.
- Corrective actions are actions taken to:
  - ✓ Repair, modify or replace any storm water control (erosion and sediment control or BMPs) used at the site;
  - ✓ Clean up and properly dispose of spills, releases or other deposits; or
  - ✓ Remedy a permit violation.

Personnel Responsible for Corrective Actions

INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL RESPONSIBLE FOR CORRECTIVE ACTIONS:

Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Name:
Insert Telephone Number:
Insert Email:
Information to be documented prior to the start of construction. Insert Role or Responsibility:
Insert Name:
Insert Telephone Number:
Insert Email:

Corrective Action

- The contractor shall immediately stop, reduce, or modify construction, or implement new or revised best management practices as needed to stop or prevent a violation of the basic water quality criteria.
- When a condition requiring corrective action is found, the contractor shall immediately (on the same day) take all reasonable steps to minimize or prevent the discharge of pollutant until a permanent solution is installed and made operational, including cleaning up any contaminated surfaces so that the material will not discharge in subsequent storm events.
- For any of the following conditions, the contractor shall install a new or modified control and make it operational, or complete the repair, by no later than 7 calendar days from the time of discovery. If it is infeasible to complete the installation to repair within 7 calendar days, the Contractor shall document in the records why it is infeasible to complete the installation to repair within the 7 calendar day timeframe and document a schedule for installation the storm water control(s) and making it operation as soon as practicable after the 7-day timeframe.
  - An erosion and sediment control or BMPs that was never installed or was installed incorrectly;
  - An erosion and sediment control or BMPs that was installed is not effective enough for the discharge to meet applicable water quality standards;
  - One of the prohibited discharges in section Hawaii Administrative Rules (HAR), Chapter 11-55 Appendix C, Section 5.3.1 is occurring or has occurred.

Corrective Action Report

- For each corrective action taken the contractor shall complete a corrective action report.

- Within 24 hours of discovering the occurrence of one of the triggering conditions at the site, the contractor shall complete a report of conditions identified at the site, the nature of the condition identified, and the date and time of the condition identified and how it was identified.
- Within 7 calendar days of discovering the occurrence of one of the triggering conditions at the site, the contractor shall complete a report of any follow-up actions taken to review the design, installation, and maintenance of stormwater controls, including the dates such actions occurred; a summary of stormwater control modifications taken or to be taken, including a schedule of activities necessary to implement changes, and the date the modifications are completed or expected to be completed; and notice of whether SWPPP modifications are required as a result of the condition identified or corrective action.
- It is required to keep a current, copy of all inspection reports at the site or at an easily accessible location, so that it can be made available at the time of an onsite inspection or upon request by the DOH-CWB.

See Appendix B – Inspection/ Corrective Form

5.3 Requirements for SWPPP Modification

Instructions:

- Describe the procedures for modifying a SWPPP.
- Note: The SWPPP does not need to modified if the estimated dates change during the course of construction.
- If a modification to the SWPPP is required, all contractors covered under this permit shall be notified who may be impacted by the change to the SWPPP.

Requirements for SWPPP Modification

- Whenever new contractors become active in construction activities on the site, or changes are made to the construction plans, stormwater controls measures, pollution prevention measures, or other activities at the site that are no longer accurately reflected in the SWPPP, the appropriate modifications will be made to the SWPPP. These changes include changes made in response to corrective actions.
- Modifications will be made to the SWPPP in the following circumstances:
  - If inspections or investigations by site staff or by local, state, or federal officials determine that SWPPP modifications are necessary for compliance with this permit.
  - Where the Department of Health determines it necessary to impose additional requirements of the discharge, and a copy of any correspondence describing such requirements and a description of the stormwater control measures that will be used to meet such requirements will be attached to the SWPPP.
  - To reflect areas on the site map where operational control has been transferred (and the date of the transfer) since initiating permit coverage.
  - To reflect any revisions to applicable federal, state, and local requirements that affect the stormwater control measures implemented at the site.
- The required revisions must be completed within 7 calendar days following the occurrence of any of the conditions above.
- The contractor shall maintain records showing the dates of all SWPPP modifications. The records must include a signature of the person authorizing each change, date, and a brief summary of all changes.
- All modifications made to the SWPPP must be certified, signed, and dated by the Certifying Person or the duly authorized representative.
- Upon determining that a modification to the SWPPP is required, all contractors who may be impacted by the change to the SWPPP will be notified.
- A log of SWPPP modifications will be kept in Appendix C of the SWPPP at the project site.

SWPPP Modification Form: See Appendix C – SWPPP Amendment Log

5.4 Delegation of Authority

Instructions:

- Identify the individual(s) or positions within the company who have been delegated authority to sign inspection/corrective forms.

Duly Authorized Representative(s) or Position(s):
Insert Company or Organization Name: Information to be documented prior to the start of construction.
Insert Name and Title:
Insert Address:
Insert City, State, Zip Code:
Insert Telephone Number, Fax/Email:
Delegation of Authority Form: See Appendix H – Delegation of Authority Form

SECTION 6: TRAINING

Instructions:

- Complete the table below to provide documentation that the personnel required to be trained in completed the appropriate training.
- The following personnel, at a minimum, must be receive training prior to the commencement of earth-disturbing activities or pollutant-generating activities:
  - ✓ Personnel who are responsible for the design, installation, maintenance, and/or repair of stormwater controls (i.e. erosion/sediment controls, BMPs and pollution prevention measures);
  - ✓ Personnel responsible for the application and storage of treatment chemicals (if applicable);
  - ✓ Personnel who are responsible for conducting inspections; and
  - ✓ Personnel who are responsible for taking corrective actions.
- Required personnel must be trained to understand the following if related to the scope of their job duties:
  - ✓ The location of all stormwater controls on the site required by this permit, and how they are to be maintained;
  - ✓ The proper procedures to follow with respect to the permit's pollution prevention requirements; and
  - ✓ When and how to conduct inspections, record applicable findings, and take corrective actions.
- If the person requiring training is a new employee who starts after the permittee commences earth-disturbing or pollutant-generating activities, the permitttee shall ensure that this person has the proper understanding as required above prior to assuming particular responsibilities related to compliance with this permit. For emergency-related construction activities, the requirement to train personnel prior to commencement does not apply, however such personnel must have the required training prior to NOI submission.
- The permittee is not required to provide or document formal training for subcontractors or other outside service providers, but must ensure that personnel understand any requirements to the permit that may be affected by the work they are subcontracted to perform.

Table 6-1: Documentation for Completion of Training

Name of Trainee	Training Topic	Date Complete Training	Signature of Trainee

SWPPP Training Log Form: **See Appendix F- SWPPP Training Log**

SECTION 7: CERTIFICATION AND NOTIFICATION

Instructions :

- The following certification statement must be signed and dated by a person who meets the requirements of HAR, Chapter 11-55 Appendix A, Section 15.
- This certification must be re-signed in the event of a SWPPP Modification.

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 gathered and evaluated 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.
Information to be documented prior to the start of construction.

Name:		Title:			
Signature:			Date:		