

- PRIOR TO CLOSING OF ANY PERMIT(S) PERMANENT STABILIZATION MUST BE IN PLACE WHICH INCLUDES
- THE FOLLOWING REQUIREMENTS: ALL EXPOSED DISTURBED AREAS MUST BE PERMANENTLY STABILIZED WITH GROUND COVERING SUCH AS VEGETATION, GRAVEL, OR PAVERS;
- RAIN GUTTERS, DOWNSPOUTS, AND CHANNELIZED FLOWS MUST BE INSTALLED AND FUNCTIONING AS DESIGNED:
- IN SEEDED AREAS, GRASS OR VEGETATION MUST COVER AT LEAST 90 PERCENT OF THE DISTURBED SOILS OR MUST BE TEMPORARY STABILIZED WHILE IT IS GROWING;
- TEMPORARY MEASURES, SUCH AS SEDIMENT BARRIERS, SHOULD BE REMOVED WHEN PERMANENT MEASURES ARE IN PLACE:
- ALL PAVED SURFACES MUST BE CLEAN: AND
- STORM DRAIN INLET FILTERS MUST BE REMOVED AFTER ALL CLEANUP ACTIVITIES HAVE BEEN COMPLETED
- TEMPORARY STABILIZATION
- TEMPORARY STABILIZATION IS REQUIRED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 14 CONSECUTIVE DAYS OR MORE.
- THIS PROJECT WILL USE ROLLED EROSION CONTROL PRODUCTS OR PLANTING AND VEGETATION FOR TEMPORARY STABILIZATION.

#### **SEDIMENT CONTROL BMPS:**

- 1. PERIMETER CONTROLS
- SEDIMENT FENCES OR BARRIERS SHALL BE USED AT THE PERIMETER OF ALL DISTURBED ARES WHERE THERE IS POTENTIAL FOR RUNOFF TO FLOW OFF THE PROJECT SITE. BARRIERS MAY INCLUDE GRAVEL BAGS, SAND BAGS, FIBER ROLLS, SILT FENCES, COMPOST SOCKS, OR AN EQUIVALENT BMP THAT INTERCEPTS RUNOFF.
- 2. INLET PROTECTION
- ALL STORM DRAIN INLETS ONSITE AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE SHALL USE AN INLET PROTECTION DEVICE UNLESS THEY ARE DIRECTED TO A SEDIMENT BASIN OR

### **GOOD HOUSEKEEPING BMPs:**

- 1. BMP AND SITE MAINTENANCE
- REGULARLY INSPECT AND MAINTAIN BMPS TO ENSURE CONTINUED PERFORMANCE
- 2. DUST CONTROL
- DUST FROM THE PROJECT SITE SHALL NOT BE TRANSPORTED OR DISCHARGED TO OFF-SITE AREAS.
- THIS PROJECT WILL USE WATER TO MAINTAIN SOIL MOISTURE TO PREVENT DUST.
- CONCRETE WASTE MANAGEMENT
  - PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE OR PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
  - PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MILLIMETER POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
  - CONTAINMENT AREAS OF DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE
- CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES. CHANNELS, OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR
- USE ONCE THE WASHOUT IS 75 PERCENT FULL. • ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE
- CONCRETE SHOULD BE BROKEN UP. REMOVED. AND DISPERSED OR AS SOLID WASTES.
- 4. STOCKPILE MANAGEMENT
  - STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY, SEDIMENT BARRIERS OR SILT FENCES SHALL BE USED AROUND THE BASE OF ALL STOCKPILES, STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT, STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8-FOOT WIDE BENCHING IN ACCORDANCE WITH ROH CHAPTER 14. ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
- VEHICLE TRACKING CONTROL
  - RESTRICT VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE PROJECT SITE. ALL SEDIMENTS THAT ARE TRACKED OR DISCHARGED OFF-SITE MUST BE SWEPT OR VACUUMED AT THE END OF EACH DAY.
- MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT
  - MINIMIZE THE STORAGE OF POTENTIAL POLLUTANTS ONSITE, STORE MATERIALS IN A DESIGNATED AREA, AND INSTALL SECONDARY CONTAINMENT. DO NOT STORE MATERIALS IN BUFFER AREAS, NEAR AREAS OF CONCENTRATED FLOW, OR AREAS ABUTTING THE CITY STORM DRAINAGE SYSTEM, RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE
- SPILL PREVENTION AND CONTROL
  - KEEP AMPLE SUPPLY OF CLEANUP MATERIALS ONSITE, CLEAN UP SPILLS IMMEDIATELY, USING DRY CLEAN-UP METHODS WHERE POSSIBLE, AND DISPOSE OF USED MATERIALS PROPERLY.
- 8. SOLID WASTE MANAGEMENT
  - PREVENT OR REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED. REMOVED. AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.

# **GOOD HOUSEKEEPING BMPS (CONT'D):**

- PORTABLE TOILETS (SANITARY/SEPTIC WASTE MANAGEMENT)
  - TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL-MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND SERVICING. SOURCES OF SANITARY AND/OR SEPTIC WASTE SHALL NOT BE STORED NEAR THE MS4 OR RECEIVING WATERS.
- 10. LIQUID WASTE MANAGEMENT
- CONTAIN LIQUID WASTES IN A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME TO CONTAIN THE LIQUID WASTES GENERATED. PLACE LIQUID WASTE MANAGEMENT WITHIN PROPERTY.
- 11. NON-HAZARDOUS MATERIALS
- IN THE EVENT THAT NON-HAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL NOTIFY THE CITY DEPARTMENT OF FACILITIES MAINTENANCE BY TELEPHONE NO LATER THAN THE NEXT BUSINESS DAY. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A REOCCURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.

### **OMITTED BMPS:**

A COMPREHENSIVE LIST OF BMPS BASED ON THE DPP RULES RELATING TO WATER QUALITY AND GUIDANCE DOCUMENTS MENTIONED ABOVE, WERE REVIEWED TO COMPLETE THIS ESCP. THE FOLLOWING BMPS WERE DETERMINED TO BE NOT APPLICABLE BECAUSE THEY WOULD NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL BASED ON THE SPECIFIC SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.

OMITTED BMPS	<u>RATIONALE</u>	
DEWATERING OPERATIONS	THERE WILL BE NO DEWATERING ONSITE.	
CONTAMINATED SOIL MANAGEMENT	THERE ARE NO CONTAMINATED SOILS ANTICIPATED ON SITE.	
HAZARDOUS MATERIALS	THERE ARE NO HAZARDOUS MATERIALS ANTICIPATED ON SITE.	
SLOPE MANAGEMENT & PROTECTION	ALL WORK WILL BE ON SLOPES LESS THAN 15%.	
VEHICLE AND EQUIPMENT CLEANING, FUELING, AND MAINTENANCE	THERE WILL BE NO ON-SITE CLEANING, FUELING, OR MAINTENANCE OF ANY CONSTRUCTION VEHICLES OR EQUIPMENT	

## **SCHEDULE NOTES:**

- 1. AN ESCP COORDINATOR FOR THE PROJECT MUST BE DESIGNATED TO DPP IN WRITING BEFORE PERMIT ISSUANCE USING APPENDIX A OR B OF THE RULES RELATING TO WATER QUALITY.
- NOTIFY DPP IN WRITING TWO WEEKS PRIOR TO STARTING WORK BY EMAIL OR PHONE: 768-8132.
- 3. MEASURES TO PREVENT AND CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY FARTHWORK IS INITIATED.
- 4. BEST MANAGEMENT PRACTICES (BMPS) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE.
- 5. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
- 6. INSPECTIONS WILL BE PERFORMED MONTHLY AT A MINIMUM AND MAY BE PERFORMED MORE FREQUENTLY AS

## **PROJECT SCHEDULE:**

THE FOLLOWING IS THE PLANNED SEQUENCE AND TIMELINE OF ACTIVITIES. REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.

<u>ACTION</u>	TIMELINE OR DATE
NOTIFY THE DEPARTMENT OF PLANNING AND PERMITTING OF PROJECT START DATE - 768-8132	2 WEEKS BEFORE STARTING WORK
INSTALL DRAIN INLET PROTECTION AND PERIMETER CONTROLS	DAY 1
PERFORM PRE-CONSTRUCTION INSPECTION	DAY 1
SITE CLEARING	3 DAYS
CONCRETE FOUNDATION	1 WEEK
VERTICAL CONSTRUCTION THROUGH FINAL STABILIZATION	5 MONTHS
DEMOBILIZE EQUIPMENT AND MATERIALS	2 DAYS
REMOVE DRAIN INLET PROTECTION AND PERIMETER CONTROLS	1 DAY
SWEEPING AND WASTE DISPOSAL	DAILY

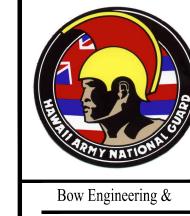
#### **RAIN RESPONSE PLAN:**

THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS:

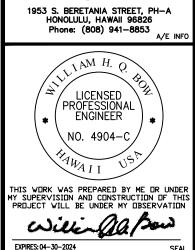
- 1. TEMPORARILY SUSPEND LAND DISTURBING ACTIVITIES INCLUDING CLEARING, GRUBBING, GRADING, AND TRENCHING.
- 2. INSPECT ALL BMPS AND MAINTAIN AS NEEDED.
- 3. REINSTALL BMPS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA.
- 4. IF A SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICES TO PREVENT FLOODING ON SURROUNDING STREETS.
- 5. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
- 6. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTACTING ANY SPILLED PETROLEUM PRODUCTS. PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
- 7. RE-INSPECT PROJECT SITE AFTER THE RAIN EVENT AND REPLACE OR MAINTAIN BMPS AS NEEDED.

# **ESCP INSPECTION NOTES:**

- 1. AT LEAST TWO WEEKS BEFORE THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR OR THE PERSON IN CHARGE OF CONSTRUCTION SHALL NOTIFY THE STORM WATER INSPECTOR LISTED ON THE BUILDING
- 2. AFTER INSTALLING THE CONSTRUCTION BMPS AND MOBILIZING ANY CONSTRUCTION APPARATUS IN ACCORDANCE WITH THE APPROVED ESCP (OR APPENDIX B - ESCP FOR SMALL PROJECT TEMPLATE). THE CONTRACTOR OR THE PERSON IN CHARGE OF CONSTRUCTION SHALL CONTACT THE ESCP COORDINATOR LISTED ON THE BUILDING PERMIT, FOR A PRECONSTRUCTION INSPECTION.
- 3. THE ESCP COORDINATOR SHALL SUBMIT THE PRECONSTRUCTION INSPECTION CHECKLIST TO THE STORM WATER INSPECTOR (EMAIL TO DPP.NPDES@HONOLULU.GOV) CONFIRMING THE BMPS AND GOOD HOUSE KEEPING MEASURES ARE IN COMPLIANCE.







FINAL SUBMITTAL DATE MAR. 2024 DES ET DRW GJ CHK WB

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