

1 Amend **Section 209 - TEMPORARY WATER POLLUTION, DUST, AND EROSION**  
2 **CONTROL** to read as follows:

3  
4  
5 **"SECTION 209 - TEMPORARY WATER POLLUTION, DUST, AND EROSION**  
6 **CONTROL**

7  
8  
9 **209.01 Description.** This section describes the following:

10  
11 (A) Including detailed plans, diagrams, and written Site-Specific Best  
12 Management Practices (BMP); constructing, maintaining, and repairing  
13 temporary water pollution, dust, and erosion control measures at the project  
14 site, including local material sources, work areas and haul roads; removing  
15 and disposing hazardous wastes; control of fugitive dust (defined as  
16 uncontrolled emission of solid airborne particulate matter from any source  
17 other than combustion); and complying with applicable State and Federal  
18 permit conditions.

19  
20 (B) Work associated with construction stormwater, dewatering, and  
21 hydrotesting activities and complying with conditions of the National Pollutant  
22 Discharge Elimination System (NPDES) permit(s) authorizing discharges  
23 associated with construction stormwater, dewatering, and hydrotesting  
24 activities.

25  
26 (C) Potential pollutant identification and mitigation measures are listed in  
27 Appendix A for use in the development of the Contractor's Site-Specific BMP.

28  
29 Requirements of this section also apply to construction support  
30 activities including concrete or asphalt batch plants, rock crushing plants,  
31 equipment staging yards/areas, material storage areas, excavated material  
32 disposal areas, and borrow areas located outside the State Right-of-Way.  
33 For areas serving multiple construction projects, or operating beyond the  
34 completion of the construction project in which it supports, the Contractor  
35 shall be responsible for securing the necessary permits, clearances, and  
36 documents, and following the conditions of the permits and clearances, at no  
37 cost to the State.

38  
39 **209.02 Materials.** Comply with applicable materials described in Chapters 2 and  
40 3 of the current HDOT "Construction Best Management Practices Field Manual". In  
41 addition, the materials shall comply with the following:

42  
43 (A) **Grass.** Grass shall be a quick growing species such as rye grass,  
44 Italian rye grass, or cereal grasses. Grass shall be suitable to the area and  
45 provide a temporary cover that will not compete later with permanent cover.  
46 Alternative grasses are allowable if acceptable to the Engineer.  
47

48 **(B) Fertilizer and Soil Conditioners.** Fertilizer and soil conditioners shall  
49 be a standard commercial grade acceptable to the Engineer. Fertilizer shall  
50 conform to Subsection 619.02(H)(1) - Commercial Fertilizer.  
51

52 **(C) Hydro-mulching.** Hydro-mulching used as a temporary vegetative  
53 stabilization measure shall consist of materials in Subsections 209.02(A) -  
54 Grass, and 209.02(B) – Fertilizer and Soil Conditioners. Mulches shall be  
55 recycled materials including bagasse, hay, straw, wood cellulose bark, wood  
56 chips, or other material acceptable to the Engineer. Mulches shall be clean  
57 and free of noxious weeds and deleterious materials. Potable water shall  
58 meet the requirements of Subsection 712.01 - Water. Submit alternate  
59 sources of irrigation water for the Engineer's acceptance if deviating from  
60 712.01 - Water. Installation and other requirements shall be in accordance  
61 with portions of Section 641- Hydro-Mulch Seeding including 641.02(D) - Soil  
62 and Mulch Tackifier, 641.03(A) – Seeding, and 641.03(B) - Planting Period.  
63 Install non-vegetative controls including mulch or rolled erosion control  
64 products while the vegetation is being established. Water and fertilize grass.  
65 Apply fertilizer as recommended by the manufacturer. Replace grass the  
66 Engineer considers unsuitable or sick. Remove and dispose of trash and  
67 debris. Remove invasive species. Mow as needed to prevent site or signage  
68 obstructions, fire hazard, or nuisance to the public. Do not remove down  
69 stream sediment control measures until the vegetation is uniformly  
70 established, including no large bare areas, and provides 70 percent of the  
71 density of pre-disturbance vegetation. Temporary vegetative stabilization  
72 shall not be used longer than one year.  
73

74 **(D) Silt Fences.** Comply with ASTM D6462, Standard Practice for Silt  
75 Fence Installation.  
76

77 Alternative materials or methods to control, prevent, remove and dispose  
78 pollution are allowable if acceptable to the Engineer.  
79

## 80 **209.03 Construction.**

### 81 **(A) Preconstruction Requirements.**

82 **(1) Water Pollution, Dust, and Erosion Control Meeting.**  
83 Schedule a water pollution, dust, and erosion control meeting with the  
84 Engineer after Site-Specific BMP is accepted in writing by the  
85 Engineer. Meeting shall be scheduled a minimum of 14 calendar days  
86 prior to the issuance of Notice to Proceed. Discuss sequence of work,  
87 plans and proposals for water pollution, dust, and erosion control.  
88  
89

90 **(2) Water Pollution, Dust, and Erosion Control Submittals.**  
91 Submit a Site-Specific BMP Plan within 30 calendar days of contract  
92 execution. Submission of complete and acceptable Site-Specific BMP  
93 Plan is the sole responsibility of the Contractor and additional contract  
94

time will not be issued for delays due to incompleteness. Include the following:

(a) Written description of activities to minimize water pollution and soil erosion into State waters, drainage or sewer systems. BMP shall include the following:

1. An identification of potential pollutants and their sources.
2. A list of all materials and heavy equipment to be used during construction.
3. Descriptions of the methods and devices used to minimize the discharge of pollutants into State waters, drainage or sewer systems.
4. Details of the procedures used for the maintenance and subsequent removal of any erosion or siltation control devices.
5. Methods of removing and disposing hazardous wastes encountered or generated during construction.
6. Methods of removing and disposing concrete and asphalt pavement cutting slurry, concrete curing water, and hydrodemolition water.
7. Spill Control and Prevention and Emergency Spill Response Plan.
8. Fugitive dust control, including dust from grinding, sweeping, or brooming off operations or combination thereof.
9. Methods of storing and handling of oils, paints and other products used for the project.
10. Material storage and handling areas, and other staging areas.
11. Concrete truck washouts.
12. Concrete waste control.
13. Fueling and maintenance of vehicles and other equipment.

142  
143  
144           **14.**   Tracking of sediment offsite from project entries  
145           and exits.

146           **15.**   Litter management.

147  
148           **16.**   Toilet facilities.

149  
150           **17.**   Other factors that may cause water pollution,  
151           dust and erosion control.

152  
153           **(b)**   Provide plans indicating location of water pollution, dust  
154           and erosion control devices; provide plans and details of BMPs  
155           to be installed or utilized; show areas of soil disturbance in cut  
156           and fill, indicate areas used for construction staging and  
157           storage including items (1) through (17) above, storage of  
158           aggregate (indicate type of aggregate), asphalt cold mix, soil or  
159           solid waste, equipment and vehicle parking, and show areas  
160           where vegetative practices are to be implemented. Indicate  
161           intended drainage pattern on plans. Include flow arrows.  
162           Include separate drawing for each phase of construction that  
163           alters drainage patterns. Indicate approximate date when  
164           device will be installed and removed.

165  
166           **(c)**   Construction schedule.

167  
168           **(d)**   Name(s) of specific individual(s) designated responsible  
169           for water pollution, dust, and erosion controls on the project  
170           site. Include home, cellular, and business telephone numbers,  
171           fax numbers, and e-mail addresses.

172  
173           **(e)**   Description of fill material to be used.

174  
175           **(f)**   For projects with an NPDES Permit for Construction  
176           Activities, submit information to address all sections in the  
177           Storm Water Pollution Prevention Plan (SWPPP).

178  
179           **(g)**   For projects with an NPDES Permit, information  
180           required for compliance with the conditions of the Notice of  
181           General Permit Coverage (NGPC)/NPDES Permit.

182  
183           **(h)**   Site-Specific BMP Review Checklist. The checklist may  
184           be downloaded from HDOT's Stormwater Management  
185           website at <http://stormwaterhawaii.com>.

186  
187           Date and sign Site-Specific BMP Plan. Keep accepted  
188           copy on site or at an accessible location so that it can be made

189 available at the time of an on-site inspection or upon request  
190 by the Engineer, HDOT Third-Party Inspector, and/or  
191 DOH/EPA Representative. Amendments to the Site-Specific  
192 BMP Plan shall be included with original Site-Specific BMP  
193 Plan. Modify SWPPP if necessary to conform to revisions.  
194 Include date of installation and removal of Site-Specific BMP  
195 measures. Obtain written acceptance by the Engineer before  
196 implementing revised Site-Specific BMPs in the field.  
197

198 Follow the guidelines in the current HDOT "Construction  
199 Best Management Practices Field Manual", in developing,  
200 installing, and maintaining Site-Specific BMPs for all projects.  
201 For any conflicting requirements between the Manual and  
202 applicable bid documents, the applicable bid documents will  
203 govern. Should a requirement not be clearly described within  
204 the applicable bid documents, notify the Engineer immediately  
205 for interpretation. For the purposes of clarification "applicable  
206 bid documents" include the construction plans, standard  
207 specifications, special provisions, Permits, and the SWPPP  
208 when applicable.  
209

210 Follow Honolulu's City and County "Rules for Soil  
211 Erosion Standards and Guidelines" for all projects on Oahu.  
212 Use respective Soil Erosion Guidelines for Maui, Kauai and  
213 Hawaii projects.  
214

215 **(B) Construction Requirements.** Do not begin work until submittals  
216 detailed in Subsection 209.03(A)(2) - Water Pollution, Dust, and Erosion  
217 Control Submittals are completed and accepted in writing by the Engineer.  
218

219 Install, maintain, monitor, repair and replace site-specific BMP  
220 measures, such as for water pollution, dust and erosion control; installation,  
221 monitoring, and operation of hydrotesting activities; removal and disposal of  
222 hazardous waste indicated on plans, concrete cutting slurry, concrete curing  
223 water; or hydrodemolition water. Site-Specific BMP measures shall be in  
224 place, functional and accepted by HDOT personnel prior to initiating any  
225 ground disturbing activities.  
226

227 If necessary, furnish and install rain gage in a secure location prior to  
228 field work including installation of site-specific BMP. Provide rain gage with a  
229 tolerance of at least 0.05 inches of rainfall. Install rain gage on project site in  
230 an area that will not deter rainfall from entering the gate opening. Do not  
231 install in a location where rain water may splash into rain gage. The rain  
232 gage installation shall be stable and plumbed. Maintain rain gage and  
233 replace rain gage that is stolen, does not function properly or accurately, is  
234 worn out, or needs to be relocated. Do not begin field work until rain gage is  
235 installed and Site-Specific BMPs are in place. Rain gage data logs shall be

readily available. Submit rain gage data logs weekly to the Engineer.

Address all comments received from the Engineer.

Modify and resubmit plans and construction schedules to correct conditions that develop during construction which were unforeseen during the design and pre-construction stages.

Coordinate temporary control provisions with permanent control features throughout the construction and post-construction period.

Limit maximum surface area of earth material exposed at any time to 300,000 square feet. Do not expose or disturb surface area of earth material (including clearing and grubbing) until BMP measures are installed and accepted in writing by the Engineer. Protect temporarily or permanently disturbed soil surface from rainfall impact, runoff and wind before end of the work day.

Immediately initiate stabilizing exposed soil areas upon completion of earth disturbing activities for areas permanently or temporarily ceased on any portion of the site. Earth-disturbing activities have permanently ceased when clearing and excavation within any area of the construction site that will not include permanent structures has been completed. Earth-disturbing activities have temporarily ceased when clearing, grading, and excavation within any area of the site that will not include permanent structures will not resume for a period of 14 or more calendar days, but such activities will resume in the future. The term "immediately" is used in this section to define the deadline for initiating stabilization measures. "Immediately" means as soon as practicable, but no later than the end of the next work day, following the day when the earth-disturbing activities have temporarily or permanently ceased.

For projects with an NPDES Permit for Construction activities:

1) For construction areas discharging into waters not impaired for nutrients or sediments, complete initial stabilization within 14 calendar days after the temporary or permanent cessation of earth-disturbing activities.

2) For construction areas discharging into nutrient or sediment impaired waters, complete initial stabilization within 7 calendar days after the temporary or permanent cessation of earth-disturbing activities.

For projects without an NPDES Permit for Construction activities, complete initial stabilization within 14 calendar days after the temporary or permanent cessation of earth-disturbing activities.

Any of the following types of activities constitutes initiation of stabilization:

- (1) Prepping the soil for vegetative or non-vegetative stabilization;
- (2) Applying mulch or other non-vegetative product to the exposed area;
- (3) Seeding or planting the exposed area;
- (4) Starting any of the activities in items (1) – (3) above on a portion of the area to be stabilized, but not on the entire area; and
- (5) Finalizing arrangements to have stabilization product fully installed in compliance with the deadline for completing initial stabilization activities.

Any of the following types of activities constitutes completion of initial stabilization activities:

- (1) For vegetative stabilization, all activities necessary to initially seed or plant the area to be stabilized; and/or
- (2) For non-vegetative stabilization, the installation or application of all such non-vegetative measures.

If the Contractor is unable to meet the deadlines above due to circumstances beyond the Contractor's control, and the Contractor is using vegetative cover for temporary or permanent stabilization, the Contractor may comply with the following stabilization deadlines instead as agreed to by the Engineer:

- (1) Immediately initiate, and complete within the timeframe shown above, the installation of temporary non-vegetative stabilization measures to prevent erosion;
- (2) Complete all soil conditioning, seeding, watering or irrigation installation, mulching, and other required activities related to the planting and initial establishment of vegetation as soon as conditions or circumstances allow it on the site; and
- (3) Notify and provide documentation to the Engineer the circumstances that prevent the Contractor from meeting the deadlines above for stabilization and the schedule the Contractor will follow for initiating and completing initial stabilization and as agreed to by the Engineer.

330 Follow the applicable requirements of the specifications and special  
331 provisions including Section 619 and Section 641.

332  
333 Immediately after seeding or planting the area to be vegetatively  
334 stabilized, to the extent necessary to prevent erosion on the seeded or  
335 planted area, select, design, and install non-vegetative erosion controls that  
336 provide cover (e.g., mulch, rolled erosion control products) to the area while  
337 vegetation is becoming established.

338  
339 Protect exposed or disturbed surface area with mulches, grass seeds  
340 or hydromulch. Spray mulches at a rate of 2,000 pounds per acre. Add  
341 tackifier to mix at a rate of 85 pounds per acre. Apply grass seeds at a rate  
342 of 125 pounds per acre. For hydromulch, use the ingredients and rates  
343 required for mulches and grass seeds. Submit recommendations from a  
344 licensed Landscape Architect when deviating from the application rates  
345 above.

346  
347 Apply fertilizer to mulches, grass seed or hydromulch per  
348 manufacturer's recommendations. Submit recommendations from a licensed  
349 Landscape Architect when deviating from the manufacturer's  
350 recommendations.

351  
352 Install velocity dissipation measures when exposing erodible surfaces  
353 greater than 15 feet in height.

354  
355 BMP measures shall be in place and operational at the end of work  
356 day or as required by Section 209.03(B).

357  
358 Install and maintain either or both stabilized construction entrances  
359 and wheel washes to minimize tracking of dirt and mud onto roadways.  
360 Restrict traffic to stabilized construction areas only. Clean dirt, mud, or other  
361 material tracked onto the road, sidewalk, or other paved area by the end of  
362 the same day in which the track-out occurs. Modify stabilized construction  
363 entrances to prevent mud from being tracked onto road. Stabilize entire  
364 access roads if necessary.

365  
366 Chemicals may be used as soil stabilizers for either or both erosion  
367 and dust control if acceptable to the Engineer.

368  
369 Provide temporary slope drains of rigid or flexible conduits to carry  
370 runoff from cuts and embankments. Provide portable flume at the entrance.  
371 Shorten or extend temporary slope drains to ensure proper function.

372  
373 Protect ditches, channels, and other drainageways leading away from  
374 cuts and fills at all times by either:

375  
376 (1) Hydro-mulching the lower region of embankments in the



immediate area.

(2) Installing check dams and siltation control devices.

(3) Other methods acceptable to the Engineer.

Provide for controlled discharge of waters impounded, directed, or controlled by project activities or erosion control measures.

Cover exposed surface of materials completely with tarpaulin or similar device when transporting aggregate, soil, excavated material or material that may be source of fugitive dust.

Cleanup and remove any pollutant that can be attributed to the Contractor.

Install or modify Site-Specific BMP measures due to change in the Contractor's means and methods, or for omitted condition that should have been allowed for in the accepted Site-Specific BMP or a Site-Specific BMP that replaces an accepted Site-Specific BMP that is not satisfactorily performing. Modifications to Site-Specific BMP measures shall be accepted in writing by the Engineer prior to implementation.

Properly maintain all Site-Specific BMP measures.

For projects with an NPDES Permit for Construction Activities:

(1) For construction areas discharging into nutrient or sediment impaired waters, inspect, prepare a written report, and make repairs to BMP measures at the following intervals:

(a) Weekly.

(b) Within 24 hours of any rainfall of 0.25 inch or greater which occurs in a 24-hour period.

(c) When existing erosion control measures are damaged or not operating properly as required by Site-Specific BMP.

(2) For construction areas discharging to waters not impaired for nutrients or sediments, inspect, prepare a written report, and make repairs to BMP measures at the following intervals:

(a) Weekly.

(b) When existing erosion control measures are damaged or not operating properly as required by Site-Specific BMP.

424  
425 For projects without an NPDES Permit for Construction activities,  
426 inspect, prepare a written report, and make repairs to BMP measures at the  
427 following intervals:

428  
429 (a) Weekly.

430  
431 (b) When existing erosion control measures are damaged or  
432 not operating properly as required by Site-Specific BMP.

433  
434 Temporarily remove, replace or relocate any Site-Specific BMP that  
435 must be removed, replaced or relocated due to potential or actual flooding, or  
436 potential danger or damage to project or public.

437  
438 Maintain records of inspections of Site-Specific BMP work. Keep  
439 continuous records for duration of the project. Submit copy of Inspection  
440 Report to the Engineer within 24 hours after each inspection.

441  
442 The Contractor's designated representative specified in Subsection  
443 209.03(A)(2)(d) shall address any Site-Specific BMP deficiencies brought up  
444 by the Engineer immediately, including weekends and holidays, and  
445 complete work to fix the deficiencies by the close of the next work day if the  
446 problem does not require significant repair or replacement, or if the problem  
447 can be corrected through routine maintenance. Address any Site-Specific  
448 BMP deficiencies brought up by the State's Third-Party Inspector in the  
449 timeframe above or as specified in the Consent Decree or MS4 NPDES  
450 Permit, whichever is more stringent. The Consent Decree timeframe  
451 requirement applies statewide. The MS4 NPDES Permit only applies to  
452 Oahu. In this section, "immediately" means the Contractor shall take all  
453 reasonable measures to minimize or prevent discharge of pollutants until a  
454 permanent solution is installed and made operational. If a problem is  
455 identified at a time in the day in which it is too late to initiate repair, initiation  
456 of repair shall begin on the following work day. When installation of a new  
457 pollution prevention control or a significant repair is needed, complete  
458 installation or repair no later than seven calendar days from the time of  
459 notification/Contractor discovery. Notify the Engineer and document why it is  
460 infeasible to complete the installation or repair within seven calendar days  
461 and complete the work as soon as practicable and as agreed to by the  
462 Engineer. Address Site-Specific BMP deficiencies discovered by the  
463 Contractor within the timeframe above. The Contractor's failure to  
464 satisfactorily address these Site-Specific BMP deficiencies, the Engineer  
465 reserves the right to employ outside assistance or use the Engineer's own  
466 labor forces to provide necessary corrective measures. The Engineer will  
467 charge the Contractor such incurred costs plus any associated project  
468 engineering costs. The Engineer will make appropriate deductions from the  
469 Contractor's monthly progress estimate. Failure to apply Site-Specific BMP  
470 measures may result in one or more of the following: assessment of

liquidated damages, suspension, or cancellation of Contract with the Contractor being fully responsible for all additional costs incurred by the State.

**(C) Discharges of Storm Water Associated with Construction Activities.** If work includes disturbance of one acre or more, an NPDES Permit authorizing Discharges of Storm Water Associated with Construction Activity (CWB-NOI Form C) or Individual Permit authorizing storm water discharges associated with construction activity is required from the Department of Health Clean Water Branch (DOH-CWB).

Do not begin construction activities until all required conditions of the permit are met and submittals detailed in Subsection 209.03(A)(2) – Water Pollution, Dust, and Erosion Control Submittals are completed and accepted in writing by the Engineer.

**(D) Discharges Associated with Hydrotesting Activities.** If hydrotesting activities require effluent discharge into State waters or drainage systems, an NPDES Hydrotesting Waters Permit (CWB-NOI Form F) or Individual Permit authorizing discharges associated with hydrotesting from DOH-CWB is required from the DOH-CWB.

Do not begin hydrotesting activities until the DOH-CWB has issued an Individual NPDES Permit or Notice of General Permit Coverage (NGPC). Conduct Hydrotesting operations in accordance with the conditions of the permit or NGPC.

**(E) Discharges Associated with Dewatering Activities.** If dewatering activities require effluent discharge into State waters or drainage systems, an NPDES Dewatering Permit (CWB-NOI Form G) or Individual Permit authorizing discharges associated with dewatering from DOH-CWB is required from the DOH-CWB.

Do not begin dewatering activities until the DOH-CWB has issued an Individual NPDES Permit or Notice of General Permit Coverage (NGPC). Conduct dewatering operations in accordance with the conditions of the permit or NGPC.

**(F) Solid Waste.** Submit the Solid Waste Disclosure Form for Construction Sites to the Engineer within 30 calendar days of contract execution. Provide a copy of all the disposal receipts from the facility permitted by the Department of Health to receive solid waste to the Engineer monthly. This should also include documentation from any intermediary facility where solid waste is handled or processed, or as directed by the Engineer.

**(G) Construction BMP Training.** The Contractor's representative

518 responsible for development of the Site-Specific BMP Plan and  
519 implementation of Site-Specific BMPs in the field shall attend the State's  
520 Construction Best Management Practices Training. The Contractor shall  
521 keep training logs updated and readily available.  
522

523 **209.04 Measurement.**  
524

525 (A) Installation, maintenance, monitoring, and removal of BMP will be paid  
526 on a lump sum basis. Measurement for payment will not apply.  
527

528 (B) The Engineer will only measure additional water pollution, dust and  
529 erosion control required and requested by the Engineer on a force account  
530 basis in accordance with Subsection 109.06 – Force Account Provisions and  
531 Compensation.  
532

533 **209.05 Payment.** The Engineer will pay for accepted pay items listed below at  
534 contract price per pay unit, as shown in the proposal schedule. Payment will be full  
535 compensation for work prescribed in this section and contract documents.  
536

537 The Engineer will pay for each of the following pay items when included in  
538 proposal schedule:  
539

540 Pay Item	541 Pay Unit
542 Installation, Maintenance, Monitoring, and Removal of BMP	543 Lump Sum
544 Additional Water Pollution, Dust, and Erosion Control	545 Force Account

546 An estimated amount for force account is allocated in proposal schedule  
547 under 'Additional Water Pollution, Dust, and Erosion Control', but actual amount to  
548 be paid will be the sum shown on accepted force account records, whether this sum  
549 be more or less than estimated amount allocated in proposal schedule. The  
550 Engineer will pay for BMP measures requested by the Engineer that are beyond  
551 scope of accepted Site-Specific BMP on a force account basis.  
552

553 No progress payment will be authorized until the Engineer accepts in writing  
554 Site-Specific BMP or when the Contractor fails to maintain project site in accordance  
555 with accepted BMP.  
556

557 For all citations or fines received by the Department for non-compliance,  
558 including compliance with NPDES Permit conditions, the Contractor shall reimburse  
559 State within 30 calendar days for full amount of outstanding cost State has incurred,  
560 or the Engineer will deduct cost from progress payment.  
561

562 The Engineer will assess liquidated damages up to \$27,500 per day for non-  
563 compliance of each BMP requirement and all other requirements in this section.  
564

## Appendix A

The following list identifies potential pollutant sources and corresponding BMPs used to mitigate the pollutants. Each BMP is referenced to the corresponding section of the current HDOT Construction Best Management Practices Field Manual or appropriate Supplemental Sheets. The Manual may be obtained from the HDOT Statewide Stormwater Management Program Website at <http://www.stormwaterhawaii.com/resources> under Construction Best Management Practices Field Manual. Supplemental BMP sheets are located at [http://stormwaterhawaii.com/contractors/contractors\\_BMPmanual.aspx](http://stormwaterhawaii.com/contractors/contractors_BMPmanual.aspx) under Concrete Curing and Irrigation Water.

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Construction debris, green waste, general litter</i>	<ul style="list-style-type: none"> <li>• <i>Separate contaminated clean up materials from construction and demolition (C&amp;D) wastes.</i></li> <li>• <i>Provide waste containers (e.g., dumpster or trash receptacle) of sufficient size and number to contain construction and domestic wastes.</i></li> <li>• <i>Inspect construction waste and recycling areas regularly.</i></li> <li>• <i>Schedule solid waste collection regularly.</i></li> <li>• <i>Schedule recycling activities based on construction/demolition phases.</i></li> <li>• <i>Empty waste containers weekly or when they are two-thirds full, whichever is sooner.</i></li> <li>• <i>Do not allow containers to overflow. Clean up immediately if they do.</i></li> <li>• <i>On work days, clean up and dispose of waste in designated waste containers.</i></li> <li>• <i>See Solid Waste Management Section SM-6 for additional requirements.</i></li> <li>• <i>Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.</i></li> </ul>	<i>See Solid Waste Management Section SM-6. Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.</i>
<i>Materials associated with the operation and maintenance of equipment, such as oil, fuel, and hydraulic fluid leakage</i>	<ul style="list-style-type: none"> <li>• <i>Use off-site wash racks, repair and maintenance facilities, and fueling sites when practical.</i></li> <li>• <i>Designate bermed wash area if cleaning on site is necessary.</i></li> <li>• <i>Place drip pans or drop cloths under vehicles and equipment to absorb spills or leaks.</i></li> <li>• <i>Provide an ample supply of readily available spill cleanup materials.</i></li> <li>• <i>Clean up spills immediately,</i></li> </ul>	<i>See Vehicle and Equipment Cleaning, Maintenance, and Refueling, Sections SM-11, SM-12, and SM-13, and Material Delivery, Storage and Material Use</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>using dry clean-up methods where possible, and dispose of used materials properly.</i></p> <ul style="list-style-type: none"> <li>• <i>Do not clean surfaces or spills by hosing the area down.</i></li> <li>• <i>Eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge.</i></li> <li>• <i>Inspect on-site vehicles and equipment regularly and immediately repair leaks.</i></li> <li>• <i>Regularly inspect fueling areas and storage tanks.</i></li> <li>• <i>Train employees on proper maintenance and spill practices and procedures and fueling and cleanup procedures.</i></li> <li>• <i>Store diesel fuel, oil, hydraulic fluid, or other petroleum products or other chemicals in water-tight containers and provide cover or secondary containment.</i></li> <li>• <i>Do not remove original product labels and comply with manufacturer's labels for proper disposal.</i></li> <li>• <i>Dispose of containers only after all the product has been used.</i></li> <li>• <i>Dispose of or recycle oil or oily wastes according to Federal, State, and Local requirements.</i></li> <li>• <i>Store soaps, detergents, or solvents under cover or other means to prevent contact with rainwater.</i></li> <li>• <i>See Vehicle and Equipment Cleaning, Maintenance, and Refueling, Sections SM-11, SM-12, and SM-13 and Material Use Section SM-3 for additional requirements.</i></li> </ul>	<p><i>Sections SM-2 and SM-3, and Spill Prevention and Control SM-10.</i></p>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
Soil erosion from the disturbed areas	<ul style="list-style-type: none"> <li>• Provide Soil Stabilization, Slope Protection, Storm Drain Inlet Protection SC-2, Perimeter Controls and Sediment Barriers, Sediment Basins and Detention Ponds, Check Dams SC-9, Level Spreader SC-10, Paving Operations SM-19, Construction Road Stabilization EC-1, Controlling Storm Water Flowing Onto and Through the Project, Post-Construction BMPs, and Non-Structural BMPs (Employee Training SM-1, Scheduling SM-14, Location of Potential Sources of Sediment SM-15, Preservation of Existing Vegetation SM-16) .</li> <li>• Delineate, and clearly mark off, with flags, tape, or other similar marking device all natural buffer areas defined in the SWPPP.</li> <li>• Preserve native topsoil where practicable.</li> <li>• In areas where vegetative stabilization will occur, restrict vehicle/equipment use in areas to avoid soil compaction or condition soil to promote vegetative growth.</li> <li>• For Storm Drain Inlet Protection, clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised.</li> <li>• Where there is evidence of sediment accumulation adjacent to the inlet protection measure, remove</li> </ul>	<p>Soil Stabilization</p> <ol style="list-style-type: none"> <li>1. SM-21 Topsoil Management</li> <li>2. EC-5 Seeding and Planting</li> <li>3. EC-6 Mulching</li> <li>4. EC-7 Geotextiles and Mats</li> </ol> <p>Slope Protection</p> <ol style="list-style-type: none"> <li>1. EC-5 Seeding and Planting</li> <li>2. EC-6 Mulching</li> <li>3. EC-7 Geotextiles and Mats</li> <li>4. EC-9 Slope Roughening, Terracing, and Rounding</li> <li>5. SC-11 Slope Drains and Subsurface Drains</li> <li>6. SC-12 Top and Toe of Slope Diversion Ditches and Berms</li> </ol> <p>SC-2 Storm Drain Inlet Protection</p> <p>Perimeter Controls and Sediment Barriers</p> <ol style="list-style-type: none"> <li>1. SC-1 Silt Fence</li> <li>2. SC-5</li> </ol>



<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>the deposited sediment by the end of the same day in which it is found or by the end of the following work day if removal by the same day is not feasible.</i></p> <ul style="list-style-type: none"> <li><i>Sediment basins shall be designed and maintained in accordance with HAR 11-55.</i></li> <li><i>Minimize disturbance on steep slopes (Greater than 15% in grade).</i></li> <li><i>If disturbance of steep slopes are unavoidable, phase disturbances and use stabilization techniques designed for steep grades.</i></li> <li><i>For temporary drains and swales use velocity dissipation devices within and at the outlet to minimize erosive flow velocities.</i></li> </ul>	<p><i>Vegetated Filter Strips and Buffers</i></p> <p><i>3. SC-8 Compost Filter Berm</i></p> <p><i>4. SC-13 Sandbag Barrier</i></p> <p><i>5. SC-14 Brush or Rock Filter</i></p> <p><i>Sediment Basins and Detention Ponds</i></p> <p><i>1. SC-15 Sediment Trap</i></p> <p><i>2. SC-16 Sediment Basin</i></p> <p><i>SC-9 Check Dams</i></p> <p><i>SC-10 Level Spreader</i></p> <p><i>SM-19 Paving Operations EC-1 Construction Road Stabilization</i></p> <p><i>Controlling Storm Water Flowing onto and Through the Project</i></p> <p><i>1. EC-8 Run-On Diversion</i></p> <p><i>2. SC-6 Earth Dike</i></p> <p><i>3. SC-7 Temporary Drains and Swales</i></p>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
		<p><i>Post Construction BMPs</i></p> <ol style="list-style-type: none"> <li>1. EC-4 Flared Culvert End Sections</li> <li>2. SC-3 Rip-Rap and Gabion Inflow Protection</li> <li>3. SC-4 Outlet Protection and Velocity Dissipation Devices</li> <li>4. SM-21 Topsoil Management</li> </ol> <p><i>Non-Structural BMPs</i></p> <ol style="list-style-type: none"> <li>1. SM-1 Employee Training</li> <li>2. SM-14 Scheduling</li> <li>3. SM-15 Location of Potential Sources of Sediment</li> <li>4. SM-16 Preservation of Existing Vegetation</li> </ol>
Sediment from soil stockpiles	<ul style="list-style-type: none"> <li>• Locate stockpiles a minimum of 50 feet or as far as practicable from concentrated runoff or outside of any natural buffers identified on the SWPPP.</li> <li>• Place bagged materials on</li> </ul>	See Protection of Stockpiles Section SM-4. Protect Storm Drain Inlets SC-2, and

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>pallets and under cover.</i></p> <ul style="list-style-type: none"> <li>• <i>Provide physical diversion to protect stockpiles from concentrated runoff.</i></li> <li>• <i>Cover stockpiles with plastic or comparable material when practicable.</i></li> <li>• <i>Place silt fence, fiber filtration tubes, or straw wattles around stockpiles.</i></li> <li>• <i>Do not hose down or sweep soil or sediment accumulated on pavement or other impervious surfaces into any storm water conveyance (unless connected to a sediment basin, sediment trap, or similarly effective control), storm drain inlet, or state water.</i></li> <li>• <i>Unless infeasible, contain and securely protect stockpiles from the wind.</i></li> <li>• <i>Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.</i></li> <li>• <i>See Protection of Stockpiles Section SM-4 for additional requirements.</i></li> </ul>	<i>Perimeter Sediment Controls where applicable.</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Emulsified asphalt or prime/tack coat</i>	<ul style="list-style-type: none"> <li>• <i>Provide training for employees and contractors on proper material delivery and storage practices and procedures.</i></li> <li>• <i>Restrict paving operations during wet weather to prevent paving materials from being discharged.</i></li> <li>• <i>Use asphalt emulsions such as prime coat when possible.</i></li> <li>• <i>Protect drain inlet structures and manholes during application of tack coat, seal coat, slurry seal, and fog seal.</i></li> <li>• <i>Keep ample supplies of drip pans and absorbent materials on site.</i></li> <li>• <i>Inspect inlet protection devices.</i></li> <li>• <i>See Material Delivery and Storage Section SM-2 and Paving Operations Section SM-19 for additional requirements.</i></li> <li>• <i>Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.</i></li> </ul>	<i>See Material Delivery and Storage Section SM-2 and Material Use Section SM-3, Paving Operations Section SM-19, Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.</i>
<i>Materials associated with painting, such as paint and paint wash solvent</i>	<ul style="list-style-type: none"> <li>• <i>Hazardous chemicals shall be well-labeled and stored in original containers.</i></li> <li>• <i>Keep ample supply of cleanup materials on site.</i></li> <li>• <i>Dispose container only after all of the product has been used.</i></li> <li>• <i>Remove as much paint from brushes on painted surface.</i></li> <li>• <i>Rinse from water-based paints shall be discharged into the sanitary sewer system where possible. If not, direct all washwater into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation.</i></li> <li>• <i>Locate on-site wash area a</i></li> </ul>	<i>See Material Delivery and Storage Section SM-2, Material Use Section SM-3, Hazardous Waste Management Section SM-9, Waste Management, Spill Prevention and Control Section SM-10, and Structure</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies.</i></p> <ul style="list-style-type: none"> <li><i>Do not dump liquid wastes into the storm drainage system.</i></li> <li><i>Filter and re-use solvents and thinners.</i></li> <li><i>Dispose of oil-based paints and residue as a hazardous waste.</i></li> <li><i>Ensure collection, removal, and disposal of hazardous waste complies with regulations.</i></li> <li><i>Immediately clean up spills and leaks.</i></li> <li><i>Properly store paints, solvents, and epoxy compounds.</i></li> <li><i>Properly store and dispose waste materials generated from painting and structure repair and construction activities.</i></li> <li><i>Mix paints in a covered and contained area when possible to minimize adverse impacts from spills.</i></li> <li><i>Do not apply traffic paint or thermoplastic if rain is forecasted.</i></li> <li><i>See Material Delivery and Storage Section SM-2, Material Use SM-3, Waste Management, Hazardous Waste Management Section SM-9, Waste Management, Spill Prevention and Control Section SM-10, and Structure Construction and Painting Section SM-20 for additional requirements.</i></li> <li><i>Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.</i></li> </ul>	<p><i>Construction and Painting Section SM-20, Protect Storm Drain Inlets SC-2, and Perimeter Sediment Controls where applicable.</i></p>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Industrial chemicals, fertilizers, and/or pesticides</i>	<ul style="list-style-type: none"> <li>• <i>Hazardous chemicals shall be well-labeled and stored in original containers.</i></li> <li>• <i>Keep ample supply of cleanup materials on site.</i></li> <li>• <i>Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly.</i></li> <li>• <i>Do not clean surfaces or spills by hosing the area down.</i></li> <li>• <i>Eliminate the source of the spill to prevent a discharge or a furtherance of an ongoing discharge.</i></li> <li>• <i>Dispose container only after all of the product has been used.</i></li> <li>• <i>Retain a complete set of material safety data sheets on site.</i></li> <li>• <i>Store industrial chemicals in water-tight containers and provide either cover or secondary containment.</i></li> <li>• <i>Provide cover when storing fertilizers or pesticides to prevent these chemicals from coming into contact with rainwater.</i></li> <li>• <i>Restrict amount of pesticide prepared to quantity necessary for the current application.</i></li> <li>• <i>Do not apply fertilizers or pesticides during or just before a rain event.</i></li> <li>• <i>Do not apply to stormwater conveyance channels with flowing water.</i></li> <li>• <i>Comply with fertilizer and pesticide manufacturer's recommended usage instructions.</i></li> <li>• <i>Follow federal, state, and local laws regarding fertilizer application.</i></li> <li>• <i>Do not dispose of toxic liquid wastes (solvents, used oils, and paints) or chemicals (additives,</i></li> </ul>	<i>See Material Delivery and Storage Section SM-2, Material Use Section SM-3, and Hazardous Waste Management Section SM-9, and Spill Prevention and Control SM-10</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p>acids, and curing compounds) in dumpsters allocated for construction debris.</p> <ul style="list-style-type: none"> <li>• Ensure collection, removal, and disposal of hazardous waste complies with regulations. Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler.</li> <li>• See Material Delivery and Storage Section SM2, Material Use SM-3, and Waste Management, Hazardous Waste Management Section SM-9 for additional requirements.</li> </ul>	
Hazardous waste (Batteries, Solvents, Treated Lumber, etc.)	<ul style="list-style-type: none"> <li>• Do not dispose of toxic materials in dumpsters allocated for construction debris.</li> <li>• Ensure collection, removal, and disposal of hazardous waste complies with regulations.</li> <li>• Hazardous waste that cannot be reused or recycled shall be disposed of by a licensed hazardous waste hauler.</li> <li>• Segregate and recycle wastes from vehicle/equipment maintenance activities such as used oil or oil filters, greases, cleaning solutions, antifreeze, automotive batteries, and hydraulic and transmission fluids.</li> <li>• Store waste in sealed containers, which are constructed of suitable materials 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.</li> <li>• All containers stored outside shall</li> </ul>	See Hazardous Waste Management Section SM-9 and Vehicle and Equipment Maintenance SM-12

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>be kept away from surface waters and within appropriately-sized secondary containment (e.g., spill berms, decks, spill containment pallets). Provide cover if possible.</i></p> <ul style="list-style-type: none"> <li>• <i>Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly.</i></li> <li>• <i>Do not clean surfaces or spills by hosing the area down.</i></li> <li>• <i>Eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge.</i></li> <li>• <i>Ensure collection, removal, and disposal of hazardous waste complies with manufacturer's recommendations and is in compliance with federal, state, and local requirements.</i></li> <li>• <i>See Hazardous Waste Management Section SM-9 and Vehicle and Equipment Management, Vehicle and Equipment Maintenance SM-12 for additional requirements.</i></li> </ul>	



<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Metals and Building Materials</i>	<ul style="list-style-type: none"> <li>• <i>Inspect construction waste and recycling areas regularly.</i></li> <li>• <i>Schedule solid waste collection regularly.</i></li> <li>• <i>If building materials or metals are stored on site (such as rebar or galvanized poles) store under cover under tarps or in containers.</i></li> <li>• <i>Minimize the amount of material stored on site.</i></li> <li>• <i>Do not stockpile uncovered metals or other building materials in close proximity to discharge points.</i></li> <li>• <i>See Solid Waste Management Section SM-6 for additional requirements.</i></li> </ul>	<i>See Solid Waste Management Section SM-6</i>
<i>Contaminated Soil</i>	<ul style="list-style-type: none"> <li>• <i>See Waste Management, Contaminated Soil Management Section SM-8 and/or Hazardous Waste Management Section SM-9 for additional requirements.</i></li> <li>• <i>At minimum contain contaminated material soil by surrounding with impermeable lined berms or cover exposed contaminated material with plastic sheets.</i></li> </ul>	<i>See Waste Management, Contaminated Soil Management Section SM-8 and/or Hazardous Waste Management Section SM-9</i>
<i>Dust Control Water</i>	<ul style="list-style-type: none"> <li>• <i>Do not over spray water for dust control purposes which will result in runoff from the area.</i></li> <li>• <i>Apply water as conditions require.</i></li> <li>• <i>Washing down of debris or dirt into drainage, sewage systems, or State waters is not allowed.</i></li> <li>• <i>See Dust Control Section SM-18 for additional requirements.</i></li> </ul>	<i>See Dust Control Section SM-18</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
Concrete Truck Wash Water	<ul style="list-style-type: none"> <li>• Disposal of concrete truck wash water via percolation is prohibited.</li> <li>• Wash concrete-coated vehicles or equipment off-site or in the designated wash area.</li> <li>• Locate on-site wash area a minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies.</li> <li>• Runoff from the on-site concrete wash area shall be contained in a temporary pit or level bermed area where the concrete can set.</li> <li>• Design the area so that no overflow can occur due to inadequate wash area sizing or precipitation.</li> <li>• The temporary pit shall be lined with plastic to prevent seepage of wash water into the ground.</li> <li>• Allow wash water to evaporate or collect wash water and all concrete debris in a concrete washout system bin.</li> <li>• Do not dump liquid wastes into storm drainage system.</li> <li>• Dispose of liquid and solid concrete wastes in compliance with federal, state, and local standards.</li> <li>• See Waste Management, Concrete Waste Management Section SM-5 for additional requirements.</li> </ul>	See Waste Management, Concrete Waste Management Section SM-5

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Sediment Track-Out</i>	<ul style="list-style-type: none"> <li>• <i>Include Stabilized Construction Entrance at all points that exit onto paved roads.</i></li> <li>• <i>A sediment trapping device is required if a wash rack is used in conjunction with the stabilized construction entrance/exit.</i></li> <li>• <i>The pavement shall not be cleaned by washing down the street.</i></li> <li>• <i>If sweeping is ineffective or it is necessary to wash the streets, wash water must be contained either by construction of a sump, diverting the water to an acceptable disposal area, or vacuuming the wash water.</i></li> <li>• <i>Use BMPs for adjacent drainage structures.</i></li> <li>• <i>Remove sediment tracked onto the street by the end of the day in which the track-out occurs.</i></li> <li>• <i>Restrict vehicle use to properly designated exit points.</i></li> <li>• <i>Include additional BMPs which remove sediment prior to exit when minimum dimensions can not be met.</i></li> <li>• <i>See Stabilized Construction Entrance Section EC-2 for additional requirements.</i></li> </ul>	<i>See Stabilized Construction Entrance Section EC-2</i>
<i>Irrigation Water</i>	<ul style="list-style-type: none"> <li>• <i>Consider irrigation requirements.</i></li> <li>• <i>Where possible, avoid species which require irrigation.</i></li> <li>• <i>Design timing and application</i></li> </ul>	<i>See Seeding and Planting Section EC-5 and California Stormwater BMP</i>

<b><i>Pollutant Source</i></b>	<b><i>Appropriate Site-Specific BMP to be Implemented</i></b>	<b><i>BMP Requirements</i></b>
	<p><i>methods of irrigation water to eliminate the runoff of excess irrigation water into the storm water drainage system.</i></p> <ul style="list-style-type: none"> <li>• <i>See Seeding and Planting Section EC-5 and California Stormwater BMP Handbook SD-12 Efficient Irrigation at <a href="http://stormwaterhawaii.com/contractors/contractors_BMPmanual.aspx">http://stormwaterhawaii.com/contractors/contractors_BMPmanual.aspx</a> under Irrigation Water for additional requirements.</i></li> </ul>	<i>Handbook SD-12 Efficient Irrigation</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
<i>Hydrotesting Effluent</i>	<ul style="list-style-type: none"> <li><i>If work includes removing, relocation or installing waterlines, and Contractor elects to flush waterline or discharge hydrotesting effluent into State waters or drainage systems, the Contractor shall prepare and obtain HDOT acceptance of a NOI/NPDES Permit Form F application for HDOT submittal to DOH CWB at least 30 calendar days prior to the start of Hydrotesting Activities if necessary. Site-Specific BMPs will be included in the NOI/NPDES Permit Form F submittal.</i></li> </ul>	<i>Site-Specific BMPs will be included in the NOI/NPDES Permit Form F submittal.</i>
<i>Dewatering Effluent</i>	<ul style="list-style-type: none"> <li><i>If excavation or backfilling operations require dewatering, and Contractor elects to discharge dewatering effluent into State waters or existing drainage systems, Contractor shall prepare and obtain HDOT acceptance of a NOI/NPDES Permit Form G application for HDOT submittal to DOH CWB at least 30 calendar days prior to the start of Dewatering Activities if necessary. See Site Planning and General Practices, Dewatering Operations Section SM-17 for additional requirements.</i></li> </ul>	<i>See Dewatering Operations SM-17. Site-Specific BMPs will be included in the NOI/NPDES Permit Form G submittal.</i>
<i>Saw-cutting Slurry</i>	<ul style="list-style-type: none"> <li><i>Saw cut slurry shall be removed from the site by vacuuming.</i></li> <li><i>Provide storm drain protection during saw cutting. See Paving Operations Section SM-19 for</i></li> </ul>	<i>See Paving Operations Section SM-19, Storm Drain Inlet Protection SC-2,</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>additional requirements.</i></p> <ul style="list-style-type: none"> <li>• <i>Provide Storm Drain Inlet Protection and/or Perimeter Sediment Controls as applicable.</i></li> </ul>	<i>Perimeter sediment controls where applicable</i>
<i>Concrete Curing Water</i>	<ul style="list-style-type: none"> <li>• <i>Avoid overspraying of curing compounds.</i></li> <li>• <i>Apply an amount of compound that covers the surface, but does not allow any runoff of the compound.</i></li> <li>• <i>See California Stormwater BMP Handbook NS-12 Concrete Curing at <a href="http://stormwaterhawaii.com/contractors/contractors_BMPmanual.aspx">http://stormwaterhawaii.com/contractors/contractors_BMPmanual.aspx</a> under Concrete Curing for additional requirements.</i></li> </ul>	<i>See California Stormwater BMP Handbook NS-12 Concrete Curing</i>
<i>Plaster Waste Water</i>	<ul style="list-style-type: none"> <li>• <i>Direct all washwater into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation.</i></li> <li>• <i>Locate on-site wash area a minimum of 50 feet away or as far as practicable from storm drain inlets, open drainage facilities, or water bodies.</i></li> <li>• <i>Any significant residual materials remaining on the ground after the completion of construction shall be removed and properly disposed. If the residual materials contaminate the soil, then the contaminated soil shall also be removed and properly disposed of.</i></li> <li>• <i>Plaster waste water shall not be</i></li> </ul>	<i>See Material Delivery and Storage Section SM-2, Material Use Section SM-3, and Hazardous Waste Management Section SM-9</i>

<b>Pollutant Source</b>	<b>Appropriate Site-Specific BMP to be Implemented</b>	<b>BMP Requirements</b>
	<p><i>allowed to flow into drainage structures or State waters.</i></p> <ul style="list-style-type: none"> <li>• <i>See Material Delivery and Storage Section SM-2, Material Use SM-3, and Hazardous Waste Management Section SM-9 for additional requirements.</i></li> </ul>	
<b>Water-Jet Wash Water</b>	<ul style="list-style-type: none"> <li>• <i>For Water-Jet Wash Water used to clean vehicles, use off site wash racks or commercial washing facilities when practical.</i></li> <li>• <i>See Vehicle and Equipment Cleaning Section SM-11 for additional information.</i></li> <li>• <i>For Water-Jet Wash Water used to clean impervious surfaces, the runoff shall not be allowed to flow into drainage structures or State Waters.</i></li> </ul>	<i>See Vehicle and Equipment Cleaning Section SM-11</i>
<b>Sanitary/Septic Waste</b>	<ul style="list-style-type: none"> <li>• <i>Locate Sanitary facilities in a convenient place away from drainage facilities.</i></li> <li>• <i>Position sanitary facilities so they are secure and will not be tipped over or knocked down.</i></li> <li>• <i>Wastewater shall not be discharged to the ground or buried.</i></li> <li>• <i>A licensed service provider shall maintain sanitary/septic facilities in good working order.</i></li> <li>• <i>Schedule regular waste collection by a licensed transporter.</i></li> <li>• <i>See Sanitary/Septic Waste Section SM-7 for additional requirements.</i></li> </ul>	<i>See Sanitary/Septic Waste Section SM-7.</i>

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**END OF SECTION 209**