

WATER POLLUTION AND EROSION CONTROL NOTES: (cont.)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0380(10)	2013	6	166

- 2) Fertilizers:
Fertilizers used shall be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer shall be worked into the soil to limit exposure to storm water. Storage shall be in a covered shed. The contents of any partially used bags of fertilizer shall be transferred to a sealable plastic bin to avoid spills.
- 3) Paints:
All containers shall be tightly sealed and stored when not required for use. Excess paint shall not be discharged to the highway drainage system but shall be properly disposed of according to manufacturers' instructions or State and local requirements.
- 4) Concrete Trucks:
Concrete trucks shall be allowed to wash out or drum wash water only at designated site. Water shall not be discharged in the highway drainage system or waters of the United States. The Contractor shall contact Drinking Water Branch, Department of Health at 586-4258 to receive permission to designate a disposal site. The Contractor shall clean disposal site as required or as requested by the Engineer.
- b. Offsite Vehicle Tracking:
A stabilized construction entrance shall be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance shall be cleaned daily or as required to remove any excess mud, cold planed materials, dirt or rock tracked from the site. Dump trucks hauling material from the construction site shall be covered with a tarpaulin.
4. Spill Control Plan
- a. A spill prevention plan shall be posted and adjusted to include a description and cause of each spill, measures to prevent and clean up each spill.
- b. The Contractor shall be the spill prevention and cleanup coordinator. The Contractor shall designate at least three site personnel who shall receive spill prevention and cleanup training. These individuals shall each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel shall be posted in the material storage area and in the office trailer onsite.
- c. Manufacturers' recommended methods for spill cleanup shall be clearly posted and site personnel shall be made aware of the procedures and the location of the information and cleanup supplies.
- d. Materials and equipment necessary for spill cleanup shall be kept in the material storage area onsite.
- e. All spills shall be cleaned up immediately after discovery.
- f. The spill area shall be kept well ventilated and personnel shall wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- g. Spills of toxic hazardous material shall be reported to the appropriate State or local government agency, regardless of the size.

- E. Permit Requirements:
1. A National Pollutant Discharge Elimination System (NPDES) Permit is required for Construction Activities of one acre or more. The Contractor shall submit to the Engineer six sets of the Water Pollution, Dust, and Erosion Control Submittals as detailed in Subsection 209.03 of the Standard Specifications.
 2. If a NPDES Permit for Construction Dewatering is required, the Contractor shall be responsible to obtain the Permit from the Department of Health, Clean Water Branch.
 3. The Contractor shall comply with all applicable State and Federal Permit conditions. Permits may include but are not limited to the following:
 - a. NPDES Permit for Construction Activities
 - b. NPDES Permit for Construction Dewatering

CONSTRUCTION NOTES WITHIN COUNTY RIGHT-OF-WAY

1. Contractor shall obtain a permit to perform work on County highways from the Division of Land Use & Codes Administration two weeks prior to the commencement of work.
2. Standard detail drawings and standard specifications of the Department of Public Works shall be included as part of the construction plans.
3. All construction work shall strictly conform to the applicable sections of the 2005 "Standard Specifications" for Road, Bridge, and Public Works Construction and the September 1984 "Standard Details" for Public Works Construction of the Department of Public Works.
4. If existing utilities, whether or not shown on plans, are damaged during construction, the Contractor shall at his own expense be required to repair such utilities.
5. Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, and other protective devices for the protection, safety and convenience of the public, according to the "Manual on Uniform Traffic Control Devices for Streets and Highways", current edition, and to the rules and regulations governing the use of traffic control devices at worksites on/or adjacent to public streets and highways adopted by the highway safety coordinator and the U.S. Federal Highway Administration "Manual On Uniform Traffic Control Devices for Highway Construction and Maintenance Operations" current edition.
6. The Director of Public Works and/or the Director of the Department of Water Supply has the right to stop construction should any work be found contrary to the approved construction plan or detrimental to the public's interest.
7. The Contractor shall schedule a pre-construction meeting with the Land Use & Codes Administration five (5) days prior to commencement of construction.
8. The Contractor shall, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health and County Grading Ordinance.

9. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The cost incurred for any necessary remedial action ordered by the Director of Public Works shall be paid by the Contractor.
10. Construction debris and wastes shall be deposited at an appropriate work site. The Contractor shall inform the Director of Public Works of the location of the disposal sites. The disposal site must fulfill the requirements of the grading ordinance.
11. The Contractor shall submit a microfilm copy and six (6) copies of the "As-Built" drawings prior to the final approval of the improvements.

COMPACTION REQUIREMENTS FOR COUNTY ROADWAYS

1. Testing of materials shall be conducted by an approved independent testing agency in accordance with ASTM Standard Methods or as specified by the Department of Public Works, Engineering Division, as follows:
 - A. Embankment/select borrow and subgrade material: One (1) compaction test per 600 square yards;
 - B. Aggregate subbase course: One (1) compaction test per 400 square yards; one (1) gradation and sand equivalent test per project;
 - C. Aggregate base course: One (1) compaction test per 300 square yards; one (1) gradation and sand equivalent test per project;
 - D. Asphalt concrete pavement or asphalt treated base course: Three (3) a.c. cores for thickness and density tests per project;
 - E. Trench backfill material: One (1) test for each 300 lineal feet of trench per lift of material.
2. Contractor shall submit all testing reports including results to the County's inspection agency for review and approval prior to County's acceptance of work.
3. The Contractor shall be required to notify the County of any testing failures and correct each failure prior to proceeding to the next phase of construction.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
[Signature]
FUKUNAGA & ASSOCIATES, INC. APRIL 30, 2014
LIC. EXP. DATE

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
WATER POLLUTION, EROSION CONTROL AND CONSTRUCTION NOTES	
KAHULUI AIRPORT	
ACCESS ROAD, PHASE I	
Federal Aid Project No. NH-0380(10)	
Scale: None	Date: February 2013
SHEET No. T-6 OF 13 SHEETS	