



WATER POLLUTION AND EROSION CONTROL NOTES: -Cont.

- a. The following product specific practices shall be followed onsite: -Cont.

### 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 regulations.*

#### 4) Concrete Trucks:

Concrete trucks shall be allowed to wash out or discharge drum wash water only at a 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 Owner's representative.

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 to include 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. If a National Pollutant Discharge Elimination System (NPDES) Permit is required for Construction Activities of one (1) acre or more, the Contractor shall submit to the Engineer four sets of the Water Pollution and Erosion Control Submittals as detailed in Subsection 209.04 of the Specifications.*

2. 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*

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY <u>AM</u> _____
<u>1521002040</u>	TRACED BY _____
<u>GUANTANAMO</u>	DESIGNED BY <u>RK</u> _____
<u>1521002040</u>	BY _____
<u>1521002040</u>	CHECKED BY _____

## DRAINAGE NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-04	2004	8	61

1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
2. The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
3. For added reinforcing around existing and new culverts, see Standard Plan H-04.
4. Concrete shall be Class A unless otherwise noted.
5. Chamfer all exposed concrete edges 3/4".
6. Demolishing and removing existing drainage structure and pipe at FWR @ Sta. 73+38± o/s 71± Lt. shall be considered incidental to Contract Item No. 604.1430 - Pipe Connection to Existing Drainage Structure.
7. Demolishing and removing existing 48" Culvert at FWR @ Sta. 68+48 to @ Sta. 66+24 shall be considered incidental to Contract Item No. 603.1018 - 48-Inch Corrugated Aluminum Pipe, 1-0.105".
8. Demolishing and removing existing drainage structure at FWR @ Sta. 66+24± o/s 72± Lt. shall be considered incidental to Contract Item No. 604.4310 - Type "C" Storm Drain Manhole, 8.00 ft to 8.99 ft.
9. Demolishing and removing existing catch basin at Kunia Road @ Sta. 104+53± o/s 29± Lt. shall be considered incidental to Contract Item No. 604.4310 - Type "C" Storm Drain Manhole, 8.00 ft to 8.99 ft.
10. Demolishing and removing existing manhole at Kunia Road @ Sta. 101+06± o/s 25± Lt. shall be considered incidental to Contract Item No. 604.5300 - Type "A1" Catch Basin, 6.00 ft to 6.99 ft.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**WATER POLLUTION, EROSION CONTROL**  
**♣ DRAINAGE NOTES**  
**KUNIA ROAD IMPROVEMENTS**  
**VICINITY OF SOUTH KUPUNA LOOP TO**  
**VICINITY OF HONOWAI STREET**  
**Project No.: HWY-0-01-04**  
Date: December, 2003