

DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	STP-0550(005)	2022	ADD. 8	127

GRADING NOTES:

TEMPORARY DUST CONTROL MEASURES FOR GRADING

- The Graded or Project Site that is cleared of vegetation shall be kept damp with water continuously for Seven (7) days a week. At the end of each day, the Site shall be sufficiently dampened with water on a continual basis so that the site will remain moistened during the night.
- The Contractor shall conduct his operations so that excavation, embankment and imported material shall be dampened with water on a continual basis to prevent dust problems.
- In applying for a grading permit, the Contractor shall submit Plans, Schedules and/or Written Measures which provides for Dust Control. The Dust Control measures shall contain positive Statements which require Actions or Work that prevent Dust Problems. No Permit will be issued unless the County is assured that Dust and Erosion Problems will be minimized.

TEMPORARY EROSION CONTROL MEASURES FOR GRADING

- Temporary Vegetative cover shall be planted within a period of 30 Calendar Days after the Site has been Graded or Bared of Vegetation or if the Site will be suspended for more than 30 Calendar Days.
- Temporary Vegetative cover shall consist of 40 lbs. Common Rye Grass Seed per Acre 10-10-10 or equivalent fertilizer worked into the seed bed before planting. Temporary Sprinkler Systems is to be installed concurrently with all plantings. Planting and Maintenance of Grass shall conform to the "Hawai'i Standard Specifications for Road and Bridge Construction, 2005" and its Amendments.

PERMANENT EROSION CONTROL MEASURES FOR GRADING

- The Contractor shall grass the entire Project Site, except paved areas with bermuda grass sprigs. The grass shall be planted, fertilized, and maintained in accordance with the "Hawai'i Standard Specifications for Road and Bridge Construction, 2005" and its Amendments.
- The Contractor shall grass all exposed areas that have been constructed to final grades within a period of 30 Calendar Days.
- In lieu of grass sprigs (Note 1), the Contractor may use Hydromulch Seeding and Irrigation Sprinkler System.

GRADING PHASES

- When Grading Work is done in Phases, the Engineer must accept the Completed Phase prior to start of work on the next phase. Even after a completed phase has been accepted, the grassing or other means of stabilization must be maintained until project completion.

ENVIRONMENTAL CONTROL NOTES FOR GRADING:

- In Accordance with Chapter 11-60.1, Air Pollution Control, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that effective control measures are provided to minimize or prevent any visible dust emission caused by the construction work from impacting the surrounding areas including the off-site roadways used to enter/exit the project. These measures include but are not limited to the use of water wagons, sprinkler systems, dust fences, etc.
- In Accordance with Chapter 11-55, Water Pollution Control and Chapter 11-54 Water Quality Standard, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that the Best Management Practice (BMP) to minimize or prevent the discharge of sediments, debris and other water pollutant into State Waters are provided at all times.
- In Accordance with Chapter 11-58, Solid Waste Management Control, Title 11, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for ensuring the grub material, demolition waste and construction waste generated by the project are disposed of in a manner or at a site approved by the State Department of Health. Disposal of any of these wastes by burning is prohibited.
- The Property Owner/Developer shall be responsible for obtaining and paying for all Applicable Permits from the Department of Health including but not limited to National Pollutant Discharge Elimination System (NPDES), Notice of Intent and General Permit for Storm Water, Hydrostatic Test and Dewatering Discharges prior to Grading or Grubbing work over an area of one acre or more.
- After each Rainfall Event, 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 by the County Engineer shall be payable by the Contractor.
- Best Management Practices (BMP's) shall be employed at all times to the maximum extent practicable to prevent damage by Sedimentation, Erosion or Dust to Streams, Watercourse, Natural Areas and the Property of Others.
- The Contractor shall comply with National Pollutant Discharge Elimination Systems (NPDES) Permit Requirements for all projects which will disturb one (1) acre or more of land.
- In Accordance with Chapter 11-46, Community Noise, Hawai'i Administrative Rules, the Property Owner/Developer shall be responsible for providing effective Control Measures to minimize or prevent Construction related noise from impacting the residents in the immediate area. If required, noise reduction measures shall be implemented by the Contractor during the Construction Work.
- The Property may harbor rodents which will be dispersed to the surrounding areas when the site is cleared. In Accordance with Chapter 11-26, entitle Vector Control of Title 11, HAR, the Applicant shall ascertain the presence or absence of rodents on the property. Should the presence of rodents be determined, the Applicant shall eradicate the rodents prior to clearing the site.
- A copy of the Plans, Construction Schedule and/or Written Measures that is required to be submitted by the Contractor (Dust Control Measures/Plans) should also be sent to the Department of Health for Monitoring Purposes.

ORIGINAL PLAN NOTE BOOK No.	SURVEY PLOTTED BY	DATE
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

11/07/22	Revised Engineer's Stamp
DATE	REVISION

BRIAN A. LOCK

LICENSED PROFESSIONAL ENGINEER

No. 9987-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

WILSON OKAMOTO CORPORATION

APRIL 30, 2024

LIC. EXP. DATE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GRADING NOTES

WAIMEA CANYON DRIVE /

KOKEE ROAD IMPROVEMENTS, PHASE 2A

MILE POST 11.5 TO MILE POST 14.0

Federal-Aid Project No. STP-0550(005)

Scale: None

Date: August 2022

SHEET No.

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OF

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SHEETS