

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	4	43

GRADING NOTES

1. All grading work shall be done in accordance with Chapter 14, Articles 13, 14, 15 and 16, as related to Grading, Soil Erosion and Sediment Control, of the Revised Ordinances of Honolulu, 1990, as Amended.

2. No Contractor shall perform any grading operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the costs incurred for any remedial action shall be payable by the Contractor.

3. The Contractor, 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 contained in Chapter 11-60, "Air Pollution Control".

4. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area.

5. Adequate provisions shall be made to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, adequate provisions shall be made to prevent sediment-laden runoff from leaving the site.

6. All slopes and exposed areas shall be sodded or planted as soon as final grades have been established. Planting shall not be delayed until all grading work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed shall be planted.

7. No grading work shall be done on saturdays, sundays and holidays at any time without prior notice to the District Engineer, provided such grading work is also in conformance with Hawaii Administrative Rules, Chapter 11-43, "Community Noise Control for Oahu".

8. The limits of the area to be graded shall be flagged before the commencement of the grading work.

9. All grading operations shall be performed in conformance with the applicable provisions of the water pollution control and water quality standards contained in Hawaii Administrative Rules, Chapter 11-55, "Water Pollution Control" and Chapter 11-54, "Water Quality Standards" and if applicable, the NPDES permit for the project.

10. Where applicable and feasible the measures to control erosion and other pollutants shall be in place before any earth moving phase of the grading is initiated.

11. Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.

12. Temporary erosion control procedures shall be submitted for approval prior to application for grading permit.

13. If the grading work involves contaminated soil, then all grading work shall be done in conformance with applicable State and Federal requirements.
14. Non-compliance to any of the above requirements shall mean immediate suspension of all work, and remedial work should commence immediately. All remedial work shall be billed to the Contractor. All remedial work shall be no cost to the Sate. Furthermore, violators shall be subjected to administrative, civil and/or criminal penalties.

15. Prior to placement of any fill, the existing ground shall be scarified to a depth of six inches and compacted to a minimum of 90 percent compaction as determined by AASHTO T-180.

16. Restore AC swale width with Carpet Grass sod, utilizing 2" square sod plugs at 6" on center spacing.

17. Contractor shall be solely responsible for eradication all Fireweed (Senecio madagascariensis), as a result of Carpet grass use.

18. Contractor shall be solely responsible for complete removal and damages resulting from planting any species listed on the Hawaii Department of Agriculture "Noxious Weed Rules" as defined in the statute, Hawaii Administrative Rules 4-68-1 or the "Federal Noxious Weed List" as defined in Title 7 of the Code of Federal Regulations (CFR), parts 360 and 361.

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

T:\16523A-Permanent BMP/Cadd/Sheets/Misc/G-3.dgn

GERALD D. ANDRADE

LICENSED PROFESSIONAL ENGINEER

No. 10377-C

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

04/30/14

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GRADING NOTES

MISCELLANEOUS PERMANENT BEST MANAGEMENT PRACTICES ON OAHU

PROJECT NO. HWY-0-02-11

Scale: None

Date: May, 2012

SHEET No. G-3 OF 11 SHEETS

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