

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(026)	2016	ADD.6	110

PLANT NOTES

- Landscape Contractor shall field verify all plant quantities and dimensions prior to installation. Quantities shown on the plant list are for reference only. Verify actual quantites as shown on plan. If there is a discrepancy, the Planting Plan shall take precedence.
- Landscape Contractor shall be responsible for locating and protecting existing utilities.
- Do not plant until ground has been prepared and free of stones greater than 1/2 inch diameter, site is neat, orderly, and the Engineer accepts the site for planting.
- Notify Engineer of any discrepancies in plant locations or insufficient plant quantities due to difference in plans and actual field conditions.
- Notify Engineer 30 days prior to planting operations for approval of all plant material at place of growth. All plant material not approved by the Engineer will be subject to rejection.
- Engineer will inspect plants at the place of growth and after the delivery to the project.
- Plants shall meet size indicated by minimum height and spread. Plants shall be straight and uniformly shaped, unless unique or special characteristics are specified, and shall be undamaged, sound, healthy, vigorous and free of disease and insect infestation. Plants not conforming to these requirements on delivery to the project and at the end of the plant establishment period will be rejected.
- Contractor shall be solely responsible for the complete removal and damages resulting from the introduction of planting any plant species listed on the Hawaii Department of Agriculture 'Noxious Weed Rules' as defined in the statute, Hawaii Administrative Rules 4:68:l or the 'Federal Noxious Weed List' as defined in Title 7 of the code of Federal Regulations (CFR), Parts 360 and 361.
- All tree work must adhere to American National Standard Institute (ANSI) A300 Tree Care Standards and ANSI-Z133 Safety Standards for Tree Work. Work shall be contracted to arborists that has been certified in good standings as an ISA Certified Arborist for at least 10 years to assure that tree work is performed properly and trees are not damaged by practices such as topping, flush cuts, over-thinning, or climbing with spikes. Contractor shall submit a copy of the ISA Arborist Certification of good standing of 10 years to the Engineer a minimum of 7 days prior to the tree pruning.
- For the duration of construction within the drip line of trees to remain, there must be: No changes, alterations or disturbance to the grade by adding fill, excavating or scraping except as noted on plans; No storage of construction material or equipment; No stockpiling of any construction material or any excavated material; No disposal of any liquids (e.g. concrete sleuth, gas, oil, paint); No vehicular traffic, equipment or excessive pedestrian traffic; No attachment of any wires, ropes, lights, or any other such attachment other than those of protective nature to any tree to be preserved; and No cleaning of equipment or material under the canopy of any tree or group of trees to remain.
- If trees other than those specifically designated for removal are damaged beyond survival conditions as determined by Engineer, the Contractor shall remove such trees and replace the tree with the same specie and size and maintain for the duration of construction or 12 months, whichever is greater at no cost to the State.
- Any planting that obstructs sight distance, signs or traffic lights shall be relocated or removed as determined by the Engineer.

REVEGETATION NOTES

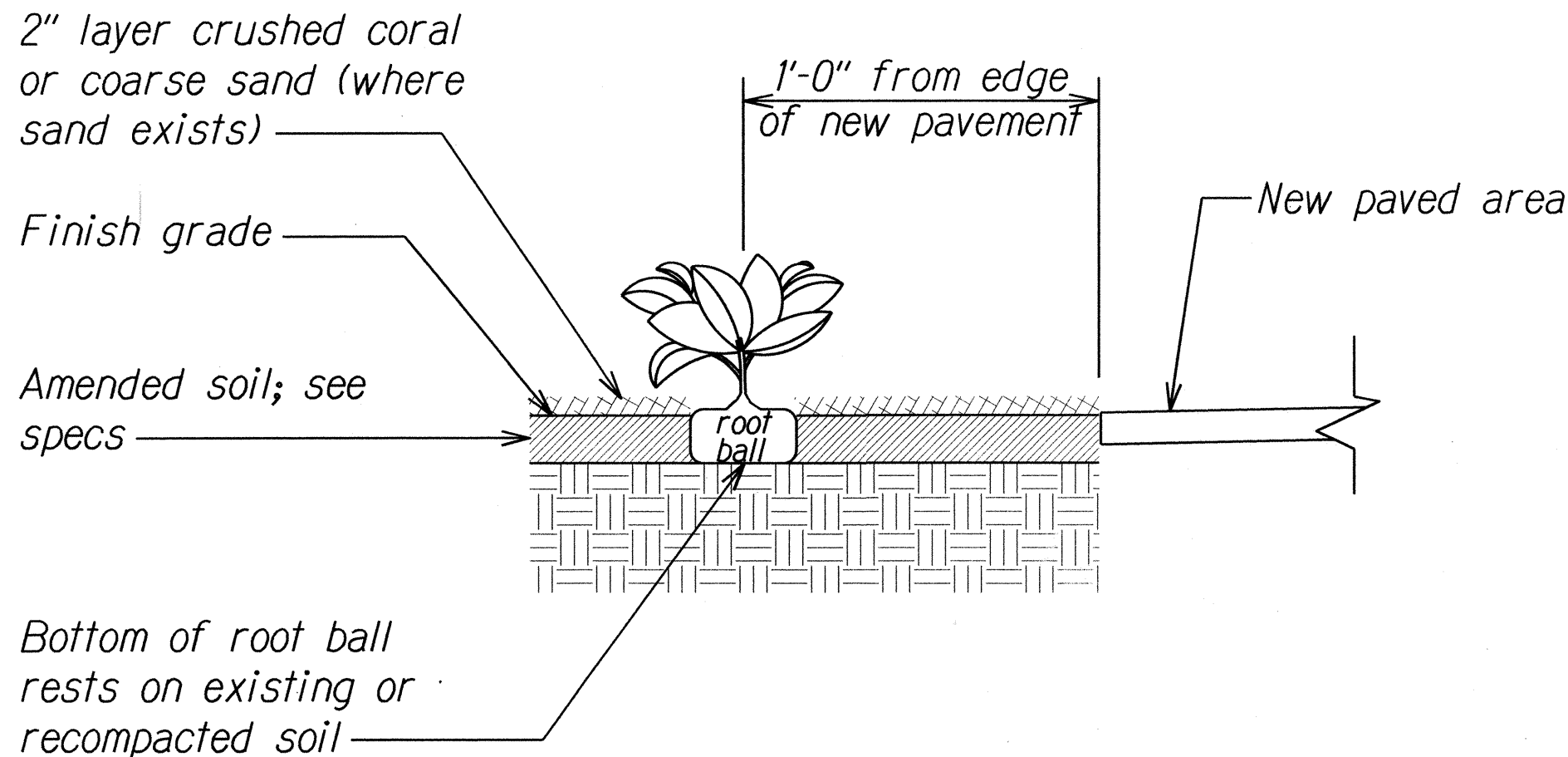
All planted areas damaged by construction shall be revegetated according to the following:

- From beginning of Project (# Sta. 1021+00) to End of Makua Beach (# Sta. 1260+00), revegetate with Common Bermuda grass with hydro-mulch cap only in areas that do not have guardrail. This applies to both sides of the road. For limits, locations, and slope requirements, see Typical Sections.
- From beginning of Project (# Sta. 1021+00) to End of Makua Beach (# Sta. 1260+00), revegetate with native 'Aki'aki grass with hydro-mulch cap where guardrails are installed. Revegetate the areas behind the guardrails. This applies to both sides of the road. For limits, locations, and slope requirements, see Typical Sections.
- From End of Makua Beach (# Sta. 1260+00) to Satellite Tracking Station Road (# Sta. 1304+70), revegetate with native 'Ilima papa ground cover with crushed coral below, or coarse sand below (where sand exists). This applies to both sides of the road. For limits, locations, and slope requirements, see Typical Sections.

PLANT LIST			
Length (approximate linear feet; width varies)	Common Name	Botanical Name	Size and Description
27,660	Common Bermuda Grass	Cynodon dactylon	Seeded at rate of 3 lbs. per 1,000 square feet Apply hydro-mulch cap over seeded areas.
12,210	'Aki'aki grass	Sporobolus virginicus	4" pots (8" height min., 4" spread min.) 24" o.c. triangular spacing Hydromulch area (without grass seed) prior to planting to stabilize soil.
2,060	'Ilima papa	Sida fallax	4" pots (1" height min., 6" spread min.) 3'-0" o.c. spacing Top dress with crushed coral below, or coarse sand where sand exists.

Notes:

- Scarify root ball; roots on the periphery can be removed at the time of planting.
- Top of root ball to be set at one-quarter inch above finish grade.
- Puddle and settle soil around root ball of each ground cover prior to top dressing.



GROUND COVER PLANTING DETAIL
Not to scale

6/2/16	Revised Length for Common Bermuda Grass.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLANT NOTES, LIST & DETAIL FARRINGTON HIGHWAY RESURFACING <i>Vicinity of Kili Drive to</i> <i>Satellite Tracking Station Road</i> <i>Federal Aid Project No. STP-093-1(026)</i> <i>Date: April, 2016</i>	
SHEET No. 1 OF 1 SHEETS	