

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H201A-01-10M	2010	14	16

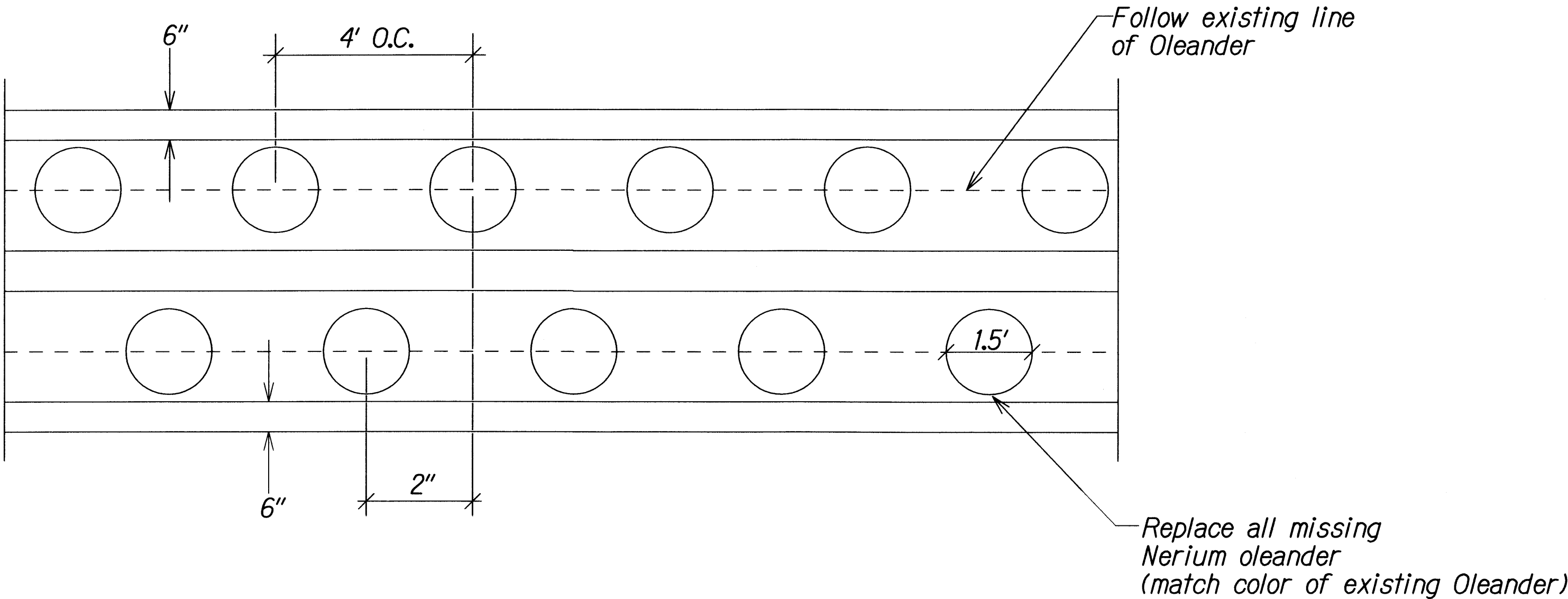
PLANTING NOTES:

- Landscape Contractor shall field verify all plant quantities and dimensions prior to installation. Quantities shown on plant list are for reference only, verify actual quantities as shown on plan. If there is discrepancy, the planting plan shall take precedence.
- Landscape Contractor shall be responsible for location and protecting existing utilities.
- Prior to tree excavation, all planting locations shall be staked out by Contractor for approval by Engineer. Do not plant until ground has been prepared and free of stones greater than 1/2" diameter, pipes, debris, trash, stumps, shrubs; site is neat, orderly, and the Engineer accepts site for planting. Cleaning and Grubbing shall be considered an incidental expense to section 619 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.
- The Engineer will inspect plants at the place of growth and after the delivery to the project. Each tree shall be tagged by the engineer with a consecutively numbered plastic tamper-resistant and self-locking seal. Seals shall remain on tree and only be removed by the engineer at the completion of the plant establishment period. Trees delivered to the project without engineers seal will be rejected.
- 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 will be rejected.
- Contractor shall be solely responsible for the complete removal and damages resulting from planting any plant 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.
- All tree work must adhere to American National Standard Institute (or ANSI)-A300 tree care standards and ANSI-Z133.1 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 5 continuous 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 to the Engineer minimum 7 days prior to 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 a same specie and size and maintain for the duration of construction or 12 months whichever is greater at no cost to the state.
- Provide even three-inch layer of compost over all planting areas.
- Guy wires, flagging, stakes, windbreakers, etc. shall be maintained and replaced if necessary by the Contractor until the tree or shrub is able to stand by itself. The Contractor shall remove and dispose at the end of plant establishment period.

- Any planting that obstructs sight distance, signs or traffic lights shall be relocated or removed as determined by the Engineer.
- All trees shall be 30 feet or greater from the edge of the travel lane.

Plant List:

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE & NOTES
411	Nerium oleander	Oleander - white	2' height, 18" spread, 3 gallon - 4' O.C.
960	Nerium oleander	Oleander - light pink	2' height, 18" spread, 3 gallon - 4' O.C.
3	Samanea saman	MonkeyPod Tree	Field Specimen - 15' ht. min. - 6" caliper min.
14	Plumeria obtusa	Singapore Plumeria	12' height min. - 3.5" caliper min.
6	Cassia x nealiae	Rainbow Shower	12' height min. - 3.5" caliper min.
114	Dypsis lutescens	Areca Palm	12' height min., minimum 5 trunks



TYPICAL PLANTING DETAIL - MEDIAN MOANALUA FREEWAY
Scale : N.T.S.

Note: Do not prune top of Oleander until end of plant establishment period. At which time the contractor shall top the entire length of Oleander including existing Oleander to a uniform height.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE NOTES & DETAILS

MOANALUA FREEWAY LANDSCAPING
Ala Kapuna Street to Funston Road
Project No. H201A-01-10M

Scale: Not to Scale Date: Mar., 2010

SHEET No. 1 OF 1 SHEETS