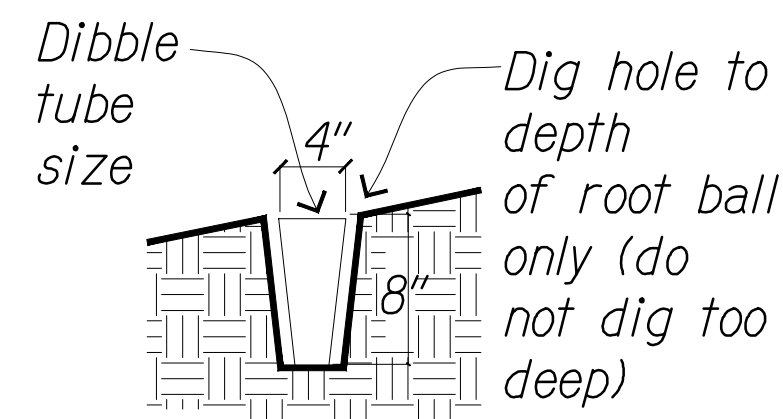
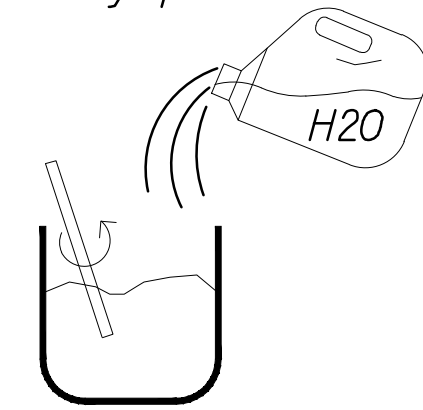


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0378(004)	2022	9	24

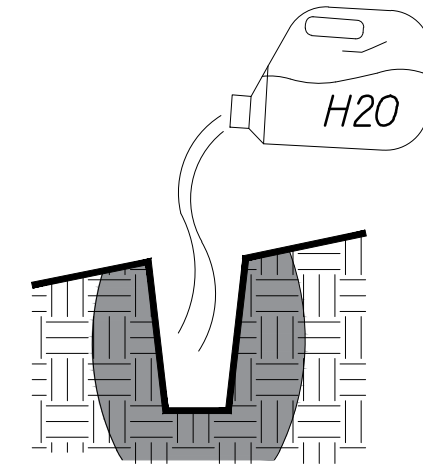
1 Dig plant hole slightly larger than the dibble tube.



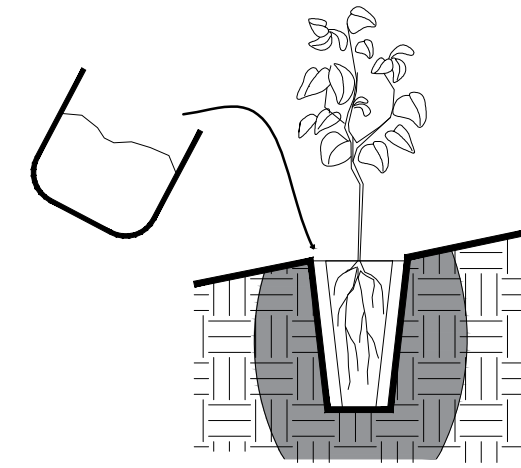
2 Mix the removed soil with water and make muddy paste.



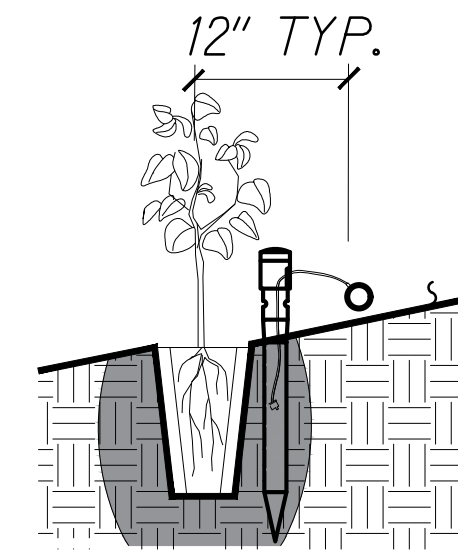
3 Fill plant hole with water and allow to drain.



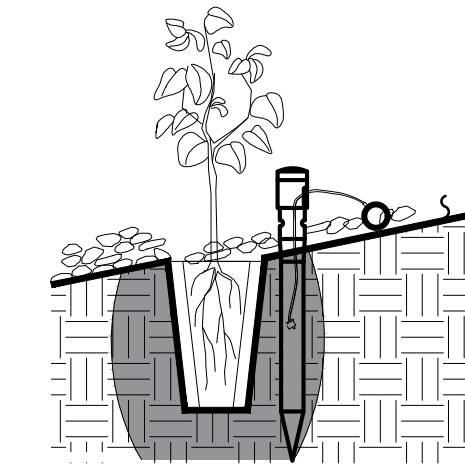
4 Place the seedling and back fill with the mixture of the removed soil and water (#2). (do not use ornamental soil mix)



5 Install deep drip watering stake uphill side next to plant.



6 Apply coarse mulch, un-composted 1" to 3" size shredded wood, typical. apply 1" depth uphill side of plant and 3" depth downhill side. Do not mulch at base of plant.



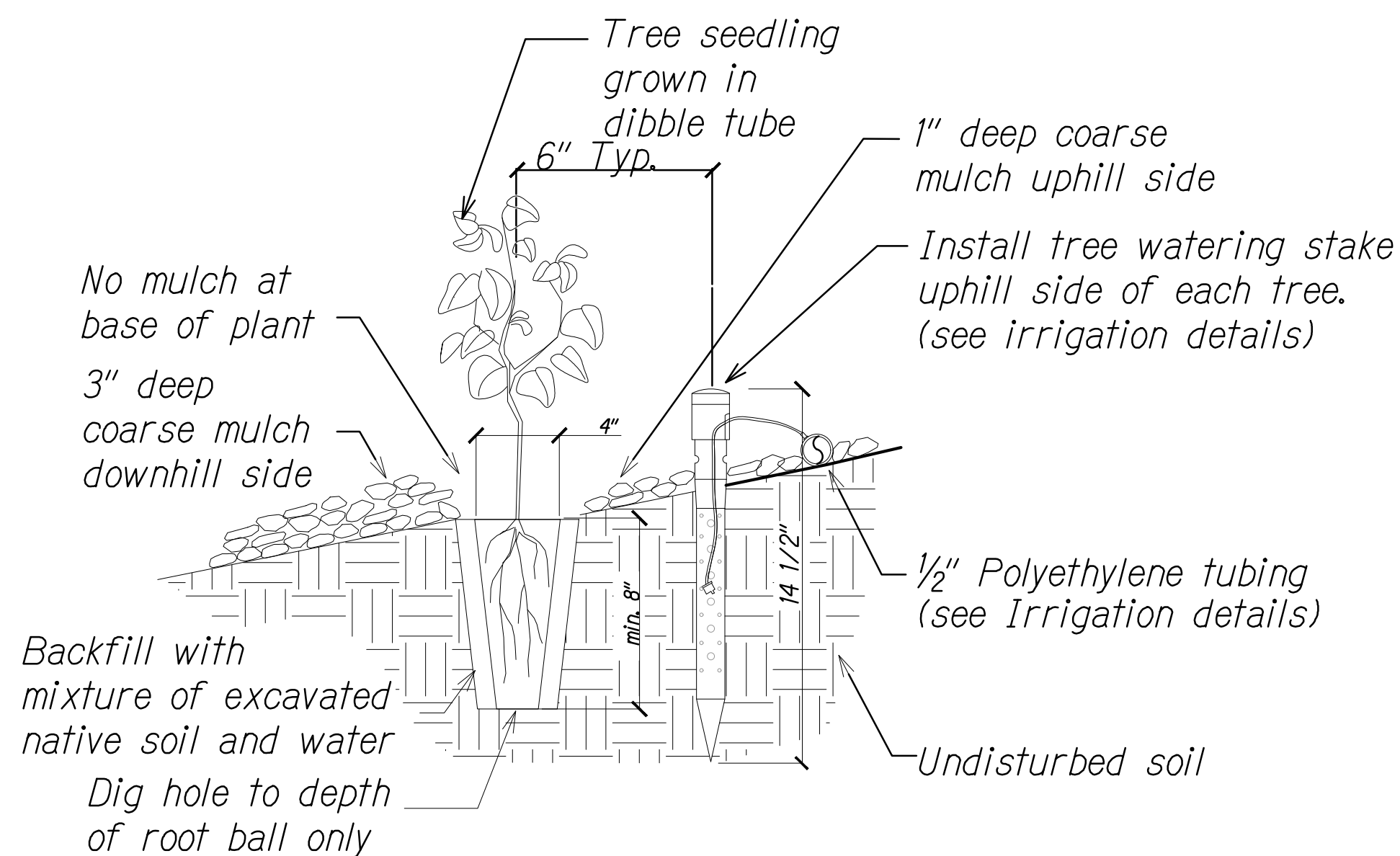
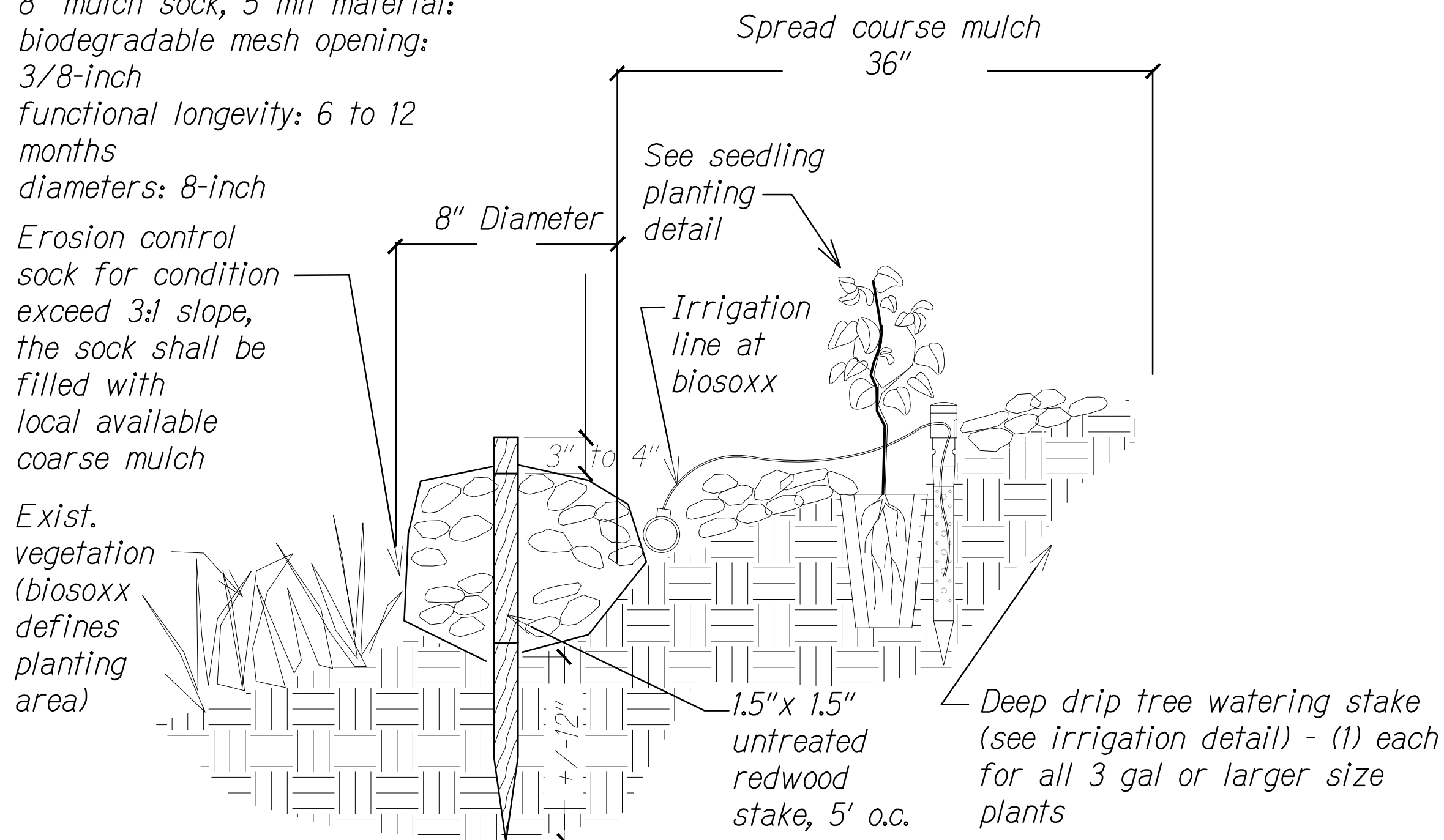
Planting Details  
Scale: N.T.S

#### Notes:

8" mulch sock, 5 mil material:  
biodegradable mesh opening:  
3/8-inch  
functional longevity: 6 to 12  
months  
diameters: 8-inch

Erosion control  
sock for condition  
exceed 3:1 slope,  
the sock shall be  
filled with  
local available  
coarse mulch

Exist.  
vegetation  
(biosoxx  
defines  
planting  
area)



Planting Details  
Scale: N.T.S

#### Planting Notes:

- Landscape Contractor shall provide plant quantities as indicated on the plant material list. Locations shown on the plan are approximate, and should be field adjusted as needed to avoid existing plants to remain.
- Prior to creating planting hole, all planting locations (general groupings) shall be staked out by the Contractor for approval by Engineer.
- Notify the Engineer of any discrepancies in plant locations and actual field conditions.
- Notify Engineer 30 calendar 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.
- Plants shall meet size indicated by minimum height and spread. Plants 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.
- Create planting hole only big enough to accommodate root ball of plant using hand held auger. Minimize soil removal in both width and depth of hole. Back fill hole with native soil. Plants must be planted at proper depth, with root ball level to adjacent surface grade. Plants planted too deeply will be rejected.
- The Contractor shall be soley 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 4:66:l or the 'Federal Noxious Weed List' as defined in Title 7 of the Code of Federal Regulation (CFR), Parts 360 and 36l.
- Temporary irrigation is to be provided on a weekly basis during the plant establishment period. Irrigation should provide water to the base of each plant to depth of root ball minimum.
- Provide top dressing of cover mulch to a 1" depth and 18" spread around base of new plants, per planting detail, for weed suppression. Mulch to be coarse shredded wood material. Mulch material to be approved by Engineer prior to installation. Material from Pine and Eucalyptus tree removal and processing is acceptable.
- Existing native plants are not to be distrubed. Contractor is responsible for replacement of any existing native plants greater than 12" height or spread, that are killed or removed due to planting operations. Payment shall be incidental to item 619.1100 and will not be paid for separately.
- The placement and delineation of restoration plantings is approximate on the plans and is to be verified on site by the Engineer prior to installation.
- All plantings will occur without heavy equipment to avoid disturbing the existing native vegetation. There will be no grading. A hand-held soil auger and dibble tubes will be used to plant the native plants. Soil will be locally sourced, and not imported, to prevent the introduction of invasive species.
- Work will occur only during daylight hours (no night work or lighting).
- Work will occur only during daylight hours (no night work or lighting).

ORIGINAL	SURVEY PLOTTED BY	DATE
DRAWN BY		
TRACED BY		
DESIGNED BY		
CHECKED BY		
No.		

RICHARD L. QUINN  
LICENSED PROFESSIONAL  
LANDSCAPE ARCHITECT  
No. 6026  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
(SEC. 16-115.9 DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS)

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PLANTING NOTES  
AND DETAILS**

**HALEAKALA CRATER ROAD  
LANDSCAPE RESTORATION**

Federal-Aid Project No. STP-0378(004)  
Scale: As Noted Date: Aug. 2021

SHEET No. 9 OF 24 SHEETS