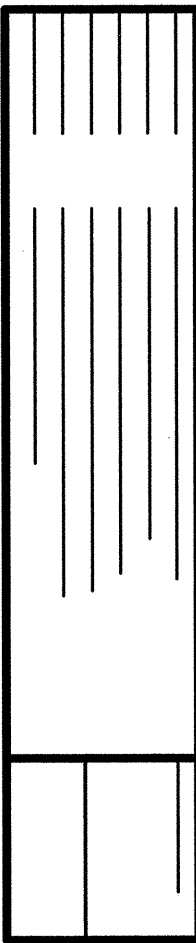


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-14M	2014	31	42

PLANT NOTES:

1. Contractor shall field verify all plant quantities and dimensions prior to installation. Contractor shall determine quantities of plant materials to be provided. In all cases, Contractor shall install plant material on all areas affected by construction.
2. Contractor shall be responsible for locating and protecting existing utilities.
3. Prior to excavating tree or shrub holes, all planting locations shall be staked out by Contractor for acceptance by Engineer. Do not plant until ground has been prepared and site is neat, orderly, and the Engineer accepts site for planting.
4. Notify Engineer of any discrepancies in plant locations.
5. Notify Engineer 30 days prior to planting operations for acceptance of all plant material at place of growth. All plant material not accepted by the Engineer will be subject to rejection.
6. The Engineer will inspect plants at the place of growth and after the delivery to the project.
7. Plants shall meet size indicated. 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.
8. 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.
9. All tree work must adhere to American National Standard Institute (or 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 5 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 5 years to the Engineer minimum 7 days prior to tree pruning.
10. 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 slurry, 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.
11. Representative samples of soil from project site shall be submitted to the University of Hawaii Agricultural Extension Service or laboratory acceptable to the Engineer for analysis of required soil amendments. Test results and fertilization schedule shall be presented to the Engineer for review and acceptance before placing planting soil or amending existing soil. Uniformly distribute fertilizer and amendments over planting areas as recommended by the soil analysis report. For slopes flatter than 3H:1V, till top six-inches of soil to evenly incorporate fertilizer and amendments. For slopes steeper than 3H:1V, no tilling is required.
12. Guy wires, flagging, stakes, windbreakers, etc. shall be maintained and replaced if necessary by the Contractor until the tree/shrub is able to stand by itself. The Contractor shall remove and dispose of these items at the end of plant establishment period.

13. Any planting that obstructs sight distance, signs or traffic lights shall be relocated or removed as determined by the Engineer.
14. Provide water for all plant material for the duration of the project, including plant establishment period. Water trees, shrubs, ground cover and all grassed areas. Water for planting shall not cause erosion damage to the slopes. The Contractor shall be responsible for repairing any damage cause by the watering of plants. The Contractor shall gradually decrease the amount of water being provided to the plant material 8 weeks prior to final acceptance of plantings.
15. Temporary irrigation system shall be provided, installed, and maintained by the Contractor for the duration of the project. Refer to Specification Section 641.03(E). Temporary irrigation system shall be considered incidental to Specification Section 619 - Planting.



LP-01 LANDSCAPE NOTES.DWG 1/10/2014 2:05:54 PM

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DATE  
*[Signature]*  
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HIGHWAYS DIVISION

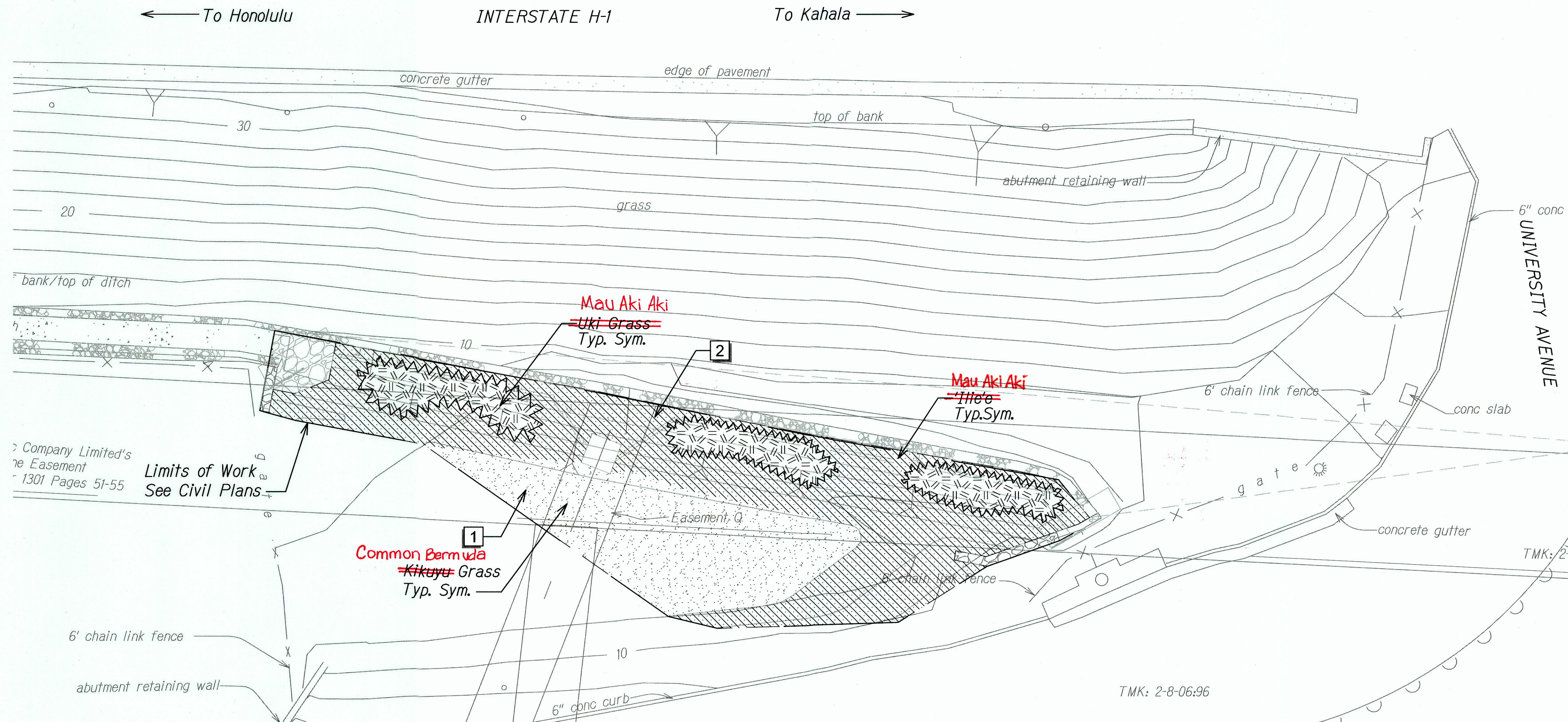
**LANDSCAPE  
NOTES**

ALA WAI WATERSHED STORM WATER  
BEST MANAGEMENT PRACTICES ON OAHU  
Project No. H11-01-14M  
Scale: None Date: January 2014

SHEET No. LP-01 OF 5 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-14M	2014	32	42



PLANT SCHEDULE UNIVERSITY CLOVERLEAF WEST

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	<del>Cladium jamaicense</del> Mau aki aki	<del>Uki Grass</del>
	<del>Plumbago zeylanica</del> Mau Aki Aki	<del>Ii'e'e</del>
HYDROSEED	BOTANICAL NAME	COMMON NAME
	<del>Pennisetum clandestinum</del> Common Bermuda Grass	<del>Kikuyu Grass AZ-1</del>

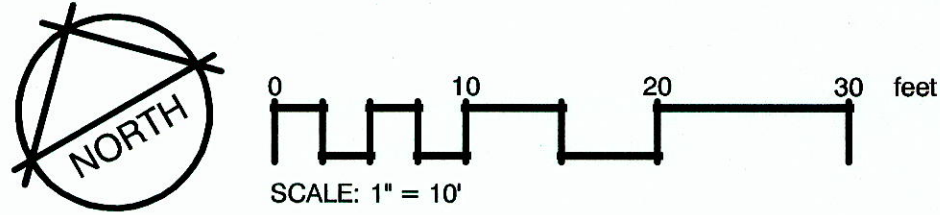
REFERENCE NOTES SCHEDULE UNIVERSITY CLOVERLEAF WEST

SYMBOL	DESCRIPTION
1	Soil Preparation: Provide and incorporate 2" layer soil amendments to existing soil (flatter than 3H:1V, see civil plans for grades). Incorporate additional amendments as recommended by soil analysis.
2	Provide and install bioswale soil mixture in bioswale; wrap with geotextile fabric. See Civil plans for bioswale limits and depth of bioswale soil mixture.

PER RFI 05,07 AND CHANGE ORDER #7

LANDSCAPE PLANTING PLAN  
UNIVERSITY CLOVERLEAF WEST

Scale: 1" = 10'-0"



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**LANDSCAPE PLANTING PLAN**  
**UNIVERSITY CLOVERLEAF WEST**

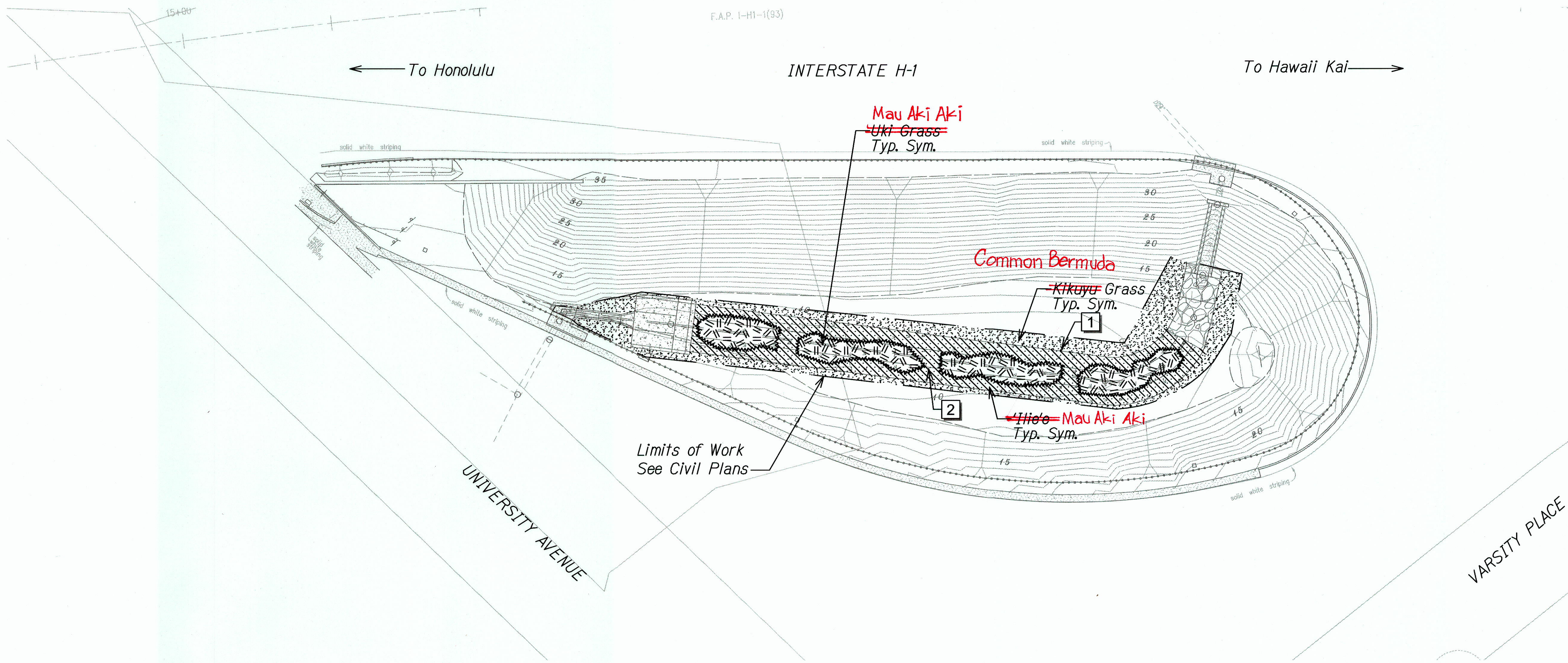
ALA WAI WATERSHED STORM WATER  
BEST MANAGEMENT PRACTICES ON OAHU  
Project No. H11-01-14M  
Scale: 1" = 10'-0" Date: January 2014

SHEET No. LP-02 OF 5 SHEETS

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-14M	2014	33	42



PLANT SCHEDULE UNIVERSITY CLOVERLEAF EAST

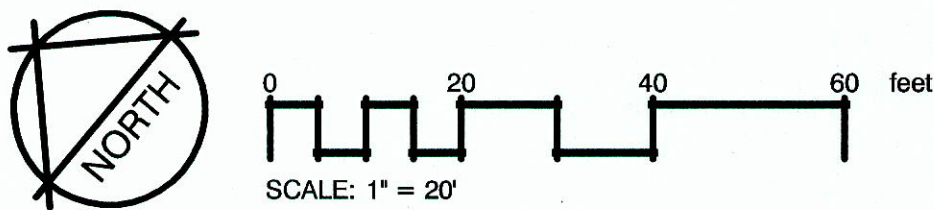
GROUND COVERS	BOTANICAL NAME	COMMON NAME
	<del>Cladium jamaicense</del>	<del>Uki Grass</del> Mau Aki Aki
	<del>Plumbago zeylanica</del>	<del>Hilo</del> Mau Aki Aki
HYDROSEED	BOTANICAL NAME	COMMON NAME
	<del>Pennisetum clandestinum</del>	<del>Kikuyu Grass AZ-1</del> Common Bermuda Grass

REFERENCE NOTES SCHEDULE UNIVERSITY CLOVERLEAF EAST

SYMBOL	DESCRIPTION
1	Soil Preparation: Provide and incorporate 2" layer soil amendments to existing soil (flatter than 3H:1V, see civil plans for grades). Incorporate additional amendments as recommended by soil analysis.
2	Provide and install bioswale soil mixture in bioswale; wrap with geotextile fabric. See Civil plans for bioswale limits and depth of bioswale soil mixture.

Per RFI 05,07 and Change Order #7

LANDSCAPE PLANTING PLAN  
UNIVERSITY CLOVERLEAF EAST  
Scale: 1" = 20'-0"



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HIGHWAYS DIVISION

**LANDSCAPE PLANTING PLAN**  
**UNIVERSITY CLOVERLEAF EAST**  
ALA WAI WATERSHED STORM WATER  
BEST MANAGEMENT PRACTICES ON OAHU  
Project No. H11-01-14M  
Scale: 1" = 20'-0" Date: January 2014

SHEET No. LP-03 OF 5 SHEETS

AS-BUILT

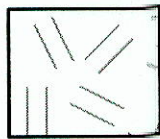
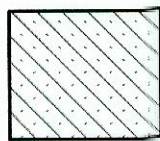
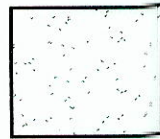





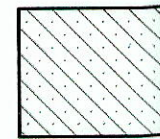



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-14M	2014	35	42

PLANT SCHEDULE UNIVERSITY CLOVERLEAF WEST


GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT
	<del>Cladium jamaicense</del>	<del>Uki Grass</del> Mau Aki Aki	<del>6" Pots @ 12" OC</del>
	<del>Plumbago zeylanica</del>	<del>Ilio</del> Mau Aki Aki	<del>1 Gal. @ 12" OC</del>
HYDROSEED	BOTANICAL NAME	COMMON NAME	CONT
	<del>Pennisetum clandestinum</del>	<del>Kikuyu Grass AZ-1</del> Common Bermuda Grass	<del>Seed</del>

PLANT SCHEDULE UNIVERSITY CLOVERLEAF EAST

GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT
	<del>Cladium jamaicense</del>	<del>Uki Grass</del> Mau Aki Aki	<del>6" Pots @ 12" OC</del>
	<del>Plumbago zeylanica</del>	<del>Ilio</del> Mau Aki Aki	<del>1 Gal. @ 12" OC</del>
HYDROSEED	BOTANICAL NAME	COMMON NAME	CONT
	<del>Pennisetum clandestinum</del>	<del>Kikuyu Grass AZ-1</del> Common Bermuda Grass	<del>Seed</del>

Per RFI 05.07 and Change Order #7

LP-05-PLANT-LIST.DWG 10/28/2013 3:59 PM



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DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**LANDSCAPE PLANT LIST**

ALA WAI WATERSHED STORM WATER  
BEST MANAGEMENT PRACTICES ON OAHU  
Project No. H11-01-14M

Scale: None Date: January 2014