

LANDSCAPE GENERAL NOTES

1. Contractor shall verify locations of all existing utility lines prior to construction operations. Any utility lines damaged by Contractor's operations shall be repaired at Contractor's expense.
2. Contractor shall notify Engineer of any discrepancies prior to commencement of work.
3. Contractor to verify exact locations of all new and existing trees with the Engineer prior to commencement of planting operations.
4. The existence and location of underground utilities, manholes, monuments, guardrail and structures as shown on the plans are from the latest available data, but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
5. All dimensions and details shown on the drawings shall be checked and verified prior to the start of construction, and any discrepancies shall be immediately brought to the attention of the Engineer for clarification.
6. All existing utilities to remain in use, whether or not shown on the plans, shall be protected at all times by the Contractor during construction unless specified on the plans to be abandoned. Any damages to existing utilities shall be repaired and paid for by the Contractor.
7. Existing facilities, guardrail, landscaping and/or pavement to remain which has been damaged by the Contractor shall be restored to its original condition at no cost to the State.
8. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specification Section 619 - Planting. Contractor shall restore to its original condition at no cost to the State.

9. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
10. No material or equipment shall be stockpiled or otherwise stored within highway right-of-way except at locations designated in writing and approved by the Engineer.
11. Contractor shall dispose of any removed material at an approved DOH waste management facility, as stated in the Contractor's BMP plan, at no extra cost to the State.
12. After the project is completed, the Contractor shall restore grades and groundcover within the project limits to a condition equal to or better than existing condition prior to construction.
13. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
14. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
15. The Contractor shall comply with Section 212 - Archaeological Monitoring of the Special Provisions prior to commencement of construction activities at the project site.
16. Refer to the Standard Plans Summary plan sheets details not shown herein.
17. Contact the Hawaii Department of Transportation (HDOT) and/or the City and County of Honolulu for additional plan sheet details not included in the Standard Details Summary and Standard Plans Summary plan sheets.
18. Contractor shall be responsible for determining and establishing the water source and delivery method to the Project site. Contractor shall provide and maintain all equipment required to deliver water to the project. Contractor shall be responsible for obtaining and maintaining all necessary permits and agreements for the source of water. Water and establishing water source will be considered an incidental cost to the project.

ABBREVIATIONS

B	Baseline
BMP	Best Management Practices
PBMP	Permanent Best Management Practices
C	Centerline
COL	Column
Conc	Concrete
Cont	Container
Dia	Diameter
Det.	Detail
Dwg	Drawing
FS	Field Specimen
Gal	Gallon
Min	Minimum
MH	Manhole
N/A	Not Applicable
NIC	Not in Contract
NTS	Not to Scale
O.C.	On Center
PID	Project Identification Number
r/w	Right-of-Way
Sta.	Station
TMK	Tax Map Key
Typ	Typical
Typ Sym	Typical Symbol

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-05-18	2018	21	25

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

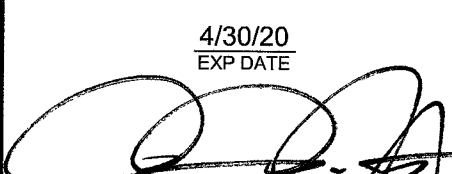
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ARON A. AKU

LICENSED PROFESSIONAL LANDSCAPE ARCHITECT No. 10370

HAWAII, U.S.A.

4/30/20
EXP. DATE



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE GENERAL NOTES
LEGEND AND ABBREVIATIONS

MISCELLANEOUS PERMANENT
BEST MANAGEMENT PRACTICES, PHASE 2B

Project No. HWY-0-05-18

Scale: None Date: April 2018

SHEET No. L-01 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-05-18	2018	22	25

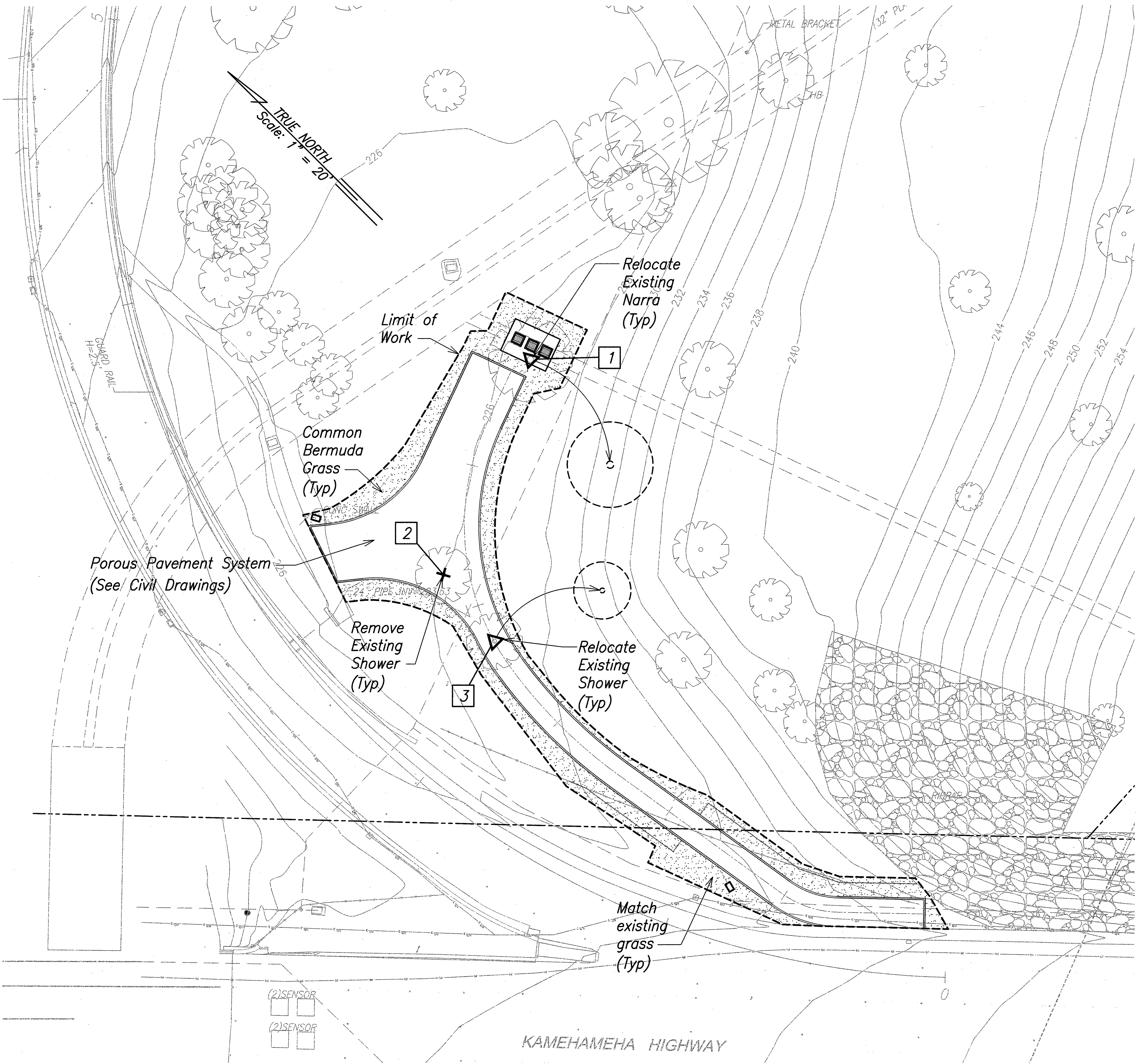
Tree Disposition Inventory

No.	Name	Caliper	Canopy Diameter	Height	Remarks
1	Narra (<i>Pterocarpus indicus</i>)	14"	30'	20'	Relocate
2	Shower (<i>Cassia javanica</i>)	18"	20'	20'	Remove
3	Shower (<i>Cassia javanica</i>)	18"	20'	20'	Relocate

Tree Disposition Legend

Symbol	Treatment
X	Remove / Demolish
Δ	Salvage and Transplant per Standard Plan L-03

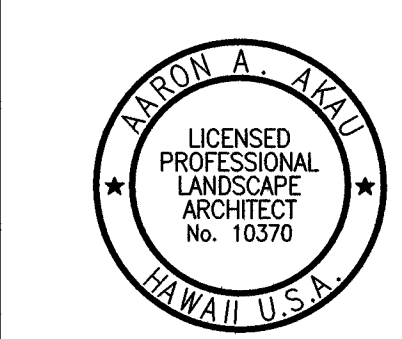
Note:
Contractor shall be responsible for providing temporary irrigation throughout the maintenance and establishment period.



Scale: 1"=20'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

\\A\DOT_Highway\2013\70400_Oahu_Miscellaneous BMPs\Landscape\001\Sheets\Phase 2B\L-02_Landscape_Site Plan - PID 505421 (BMP C).dwg



4/30/20
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE SITE PLAN
PID 505421 (PBMP C)
MISCELLANEOUS PERMANENT
BEST MANAGEMENT PRACTICES, PHASE 2B
Project No. HWY-O-05-18

Scale: 1"=20' Date: April 2018

SHEET No. L-02 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-05-18	2018	23	25

Plant Material List – PID 505421 (PBMP C)


Symbol	Qty		Botanical Name	Common Name	Size	Caliper	Height	Spacing	Remarks	Mature height
Groundcovers										
	4,100	sf	Cynodon dactylon	Common Bermuda Grass	Seed				Hydromulch	

Planting Notes:

- Backfill mix shall consist of four (4) parts of amended planting soil to one (1) part organic soil conditioner (see specifications). Add one (1) pound of 10–30–10 fertilizer to one (1) cubic yard of backfill mix. Mix thoroughly on project site prior to any planting operations.
- Quantities are shown for the convenience of the contractor only. The contractor shall perform its own quantity estimates for the purposes of bidding and construction. The contractor shall provide plants and other materials in the quantities necessary to complete the installation as shown on the drawings.

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

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4/30/20
EXP. DATE

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANT MATERIAL LIST
PID 505421 (PBMP C)
MISCELLANEOUS PERMANENT
BEST MANAGEMENT PRACTICES, PHASE 2B
Project No. HWY-0-05-18
Date: April 2018
Scale: None

SHEET No. L-03 OF 3 SHEETS