

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H11-01-14M	2014	4	42

GENERAL NOTES

- ORIGINAL PLAN  
DRAWN BY  
DATE  
DESIGNED BY  
NOTE BOOK  
QUANTITIES BY  
CHECKED BY

1. The scope of work for this project includes installation of permanent BMP structures; installation of cement rubble masonry walls and concrete structures; planting; retrofit of existing drainage structures; installation and maintenance of erosion control BMPs; and providing traffic control.

2. The Contractor's attention is directed to the following Specification Sections of the Standard Specifications: Subsection 104.11 - Utilities and Services; Subsection 107.06 - Contractor Duty Regarding Public Convenience; and Section 645 - Work Zone Traffic Control.

3. The Contractor shall notify the Hawaii One Call Center (811 or 866-423-7287) no less than five (5) working days prior to excavation, on each or all locations, for locating underground facilities pursuant to HRS Section 269E-4.

4. The Contractor's attention is directed to the following Specification Section of the Standard Specifications: Subsection 212 - Archaeological Monitoring.

5. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.

6. 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.

7. 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.

8. 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.

9. Unless relocation is called for on the plans, existing utilities shall remain in service and in place. If relocation of existing utilities is required for the Contractor's convenience, interruption of service shall be kept to a minimum and shall be done at the Contractor's expense and only with the approval of the Engineer.

10. The Contractor shall provide for vehicle and pedestrian access to and from all existing public streets and driveways at all times.

11. Existing drainage system shall be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to any culvert work or the various contract items and will not be paid for separately.

12. 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.

13. 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.

14. When excavating in close proximity to walls, fences, and other improvements, the Contractor shall protect, support, secure, and take all precautions to prevent damaging these facilities and improvements.

15. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.

16. 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.

17. 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.

18. 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.

19. 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.

20. The Contractor shall provide a safety plan for working on slopes or heights greater than six (6) feet that requires a harness, and in accordance with 29 CFR Part 1926, prior to start of work on the slope.

21. The Contractor shall verify the presence of existing aerial and underground utilities which may conflict with construction activities and shall coordinate with the utility company for temporary relocation, as necessary. All costs associated with temporary relocations shall be borne by the Contractor.

22. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.

LEGEND

	Property Line
	Limits of Work
	Centerline
	Existing Guardrail
	Fiber Roll
	Runoff Direction
	Access Permitted
	No Vehicular Access Permitted
	No Access Permitted
	Limited Access as Noted on Plans
	Top of Slope

ABBREVIATIONS

Abut.	Abutment
AC, ac	Asphalt Concrete
B, BL	Baseline
BM	Benchmark
BMP	Best Management Practices
Bott.	Bottom
CL	Centerline
cbmh	Catch Basin Manhole
CL	Chain Link
Conc.	Concrete
CRM	Concrete Rubble Masonry
DB	Direct Bury
EA	Each
EB	Eastbound
EC	Erosion Control
ECM	Erosion Control Mat
Elev	Elevation
es	Existing Edge of Shoulder
etw	Existing Edge of Travel Way
ftg.	Footing
GDI	Grated Drain Inlet
G.W.	Guy Wire
Lt	Left
M.L.	Matchline
NTS	Not to Scale
o.c.	On Center
O/H	Overhead
PC	Point of Curvature
PI	Point on Intersection
PID	Project Identification Number
POC	Point on Curvature
PT	Point of Tangency
R	Radius
rcp	Reinforced Concrete Pipe
Rt	Right
R/W	Right-of-Way
sl	Street Light
SLB	Street Light Box
sprklr	Sprinkler
ST. MON.	Street Monument
Sta.	Station along B
std.	Standard
stlite	Street Light
t	Telephone
TCP	Traffic Control Plan
ubox	Utility Box
UG	Underground
U.P.	Utility Pole
w	Water
W.S.E.	Water Surface Elevation

4/30/14

EXP. DATE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

JASON H. LAU

LICENSED PROFESSIONAL ENGINEER

NO. 9360-C

HAWAII USA

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES, LEGEND AND ABBREVIATIONS

ALA WAI WATERSHED STORM WATER BEST MANAGEMENT PRACTICES ON OAHU

Project No. H11-01-14M

Scale: None

Date: January 2014

SHEET No. N-01 OF 11 SHEETS