

GENERAL NOTES

1. The scope of work for this project includes slope surface preparation; clearing of vegetation; recontouring by grading and shaving existing slopes; installation of erosion control matting; planting; installation of permanent BMP structures; installation of vegetated walls; installation of manufactured BMPs; 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 Section 212 of the Special Provisions for work related to archaeological monitoring.
5. Pursuant to Chapter 6E, HRS, in the event any artifacts of human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department and the State Department of Land and Natural Resources - Historic Preservation Division (692-8015).
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. The Contractor shall provide for vehicle and pedestrian access to and from all existing public streets and driveways at all times.
12. 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.

13. 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.
14. 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.
15. 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.
16. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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 CPR Part 1926, prior to start of work on the slope.
22. 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.
23. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.

LEGEND

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

ABBREVIATIONS

AC, ac	Asphalt Concrete	o/s	Offset
BL	Baseline	PC	Point of Curvature
BMP	Best Management Practices	PI	Point on Intersection
		PID	Project Identification Number
Bott.	Bottom	POC	Point on Curvature
CL	Centerline	PT	Point of Tangency
Clr.	Clearance	Q50	50-Year Flow
Conc.	Concrete	R	Radius
Det.	Detail	Rt.	Right
Dia.	Diameter	r/w	Right-of-Way
EA	Each	S	Slope
EB	Eastbound	SFM	Sewer Force Main
EC	Erosion Control	sl	Street Light
ECM	Erosion Control Mat	SLB	Street Light Box
Elev	Elevation	Sta.	Station
EQ	Equal	Std.	Standard
es	Existing Edge of Shoulder	ST. MON.	Street Monument
etw	Existing Edge of Travel Way	sym.	Symbol
		t	Telephone
exist.	Existing	T/thk	Thick
ftg.	Footing	TCP	Traffic Control Plan
gdi	Grated Drain Inlet	Typ.	Typical
GRP	Grouted Rubble Paving	UG	Underground
G.W.	Guy Wire	U.P.	Utility Pole
I.D.	Inside Diameter	w	Water
I.E./inv.	Invert Elevation	W	Width
JTS	Joint Trunking System	WSE	Water Surface Elevation
KMCB	Kaneohe Marine Corp Base	WQFR	Water Quality Flow Rate
L	Length	W.W.F.	Welded Wire Fabric
Lt.	Left		
Max.	Maximum		
M.F.	Matchline		
Min.	Minimum		
NTS	Not to Scale		
o.c.	On Center		
O/H	Overhead		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-04-14M	2014	5	67

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
DATE	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**GENERAL NOTES, LEGEND
AND ABBREVIATIONS**

Kaneohe Watershed Storm Water
Best Management Practices on Oahu

Project No. HWY-O-04-14M

Scale: None Date: March 2014

SHEET No. N-01 OF 10 SHEETS