

GENERAL NOTES:

1. The scope of work for this project includes removal of AC and concrete ditches, installation of bioswale infiltration trenches, construction of an in-line storm water filtration system, drain pipe installation, grading, planting, mulching, maintaining vegetation during plant establishment, erosion control BMPs and providing of temporary traffic controls.
2. The Contractor's attention is directed to the following Specification Sections of the Standard Specifications: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.
3. The Contractor's attention is directed to the Specifications Section 212 - Archaeological Monitoring. Archaeological Monitoring by an approved permitted archaeologist is required during excavation of Bioswales H and I.
4. At the end of each day's work, the Contractor shall remove all equipment and other obstruction to permit free and safe passage of public traffic.
5. The existence and location of underground utilities, manholes, monuments 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.
6. 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.
7. The Contractor shall provide for vehicle and pedestrian access to and from all existing side streets at all times.
8. Existing drainage system shall be kept functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
9. Existing concrete structures, such as manholes, culverts, channels, etc., which are designated to be removed or are in conflict with proposed construction shall be removed to a depth of not less than 3 feet below finish grade in roadway and not less than 1.5 feet below finish grade in other areas.
10. Existing pavement within 6 inches of the finish grade in areas to be grassed shall be removed. All other existing pavement which will not be overlaid with new A.C. pavement shall be rooted, plowed, pulverized, or scarified to a minimum depth of 6 inches.
11. Existing facilities 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.
12. All regraded areas and all grassed areas damaged by construction activities shall be planted in accordance with Specifications Section 619 - Planting. Contractor shall restore to its original condition at no cost to the State.

13. 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.
14. The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
15. 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.
16. Contractor shall dispose of any removed material at no cost to the State.
17. The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
18. After the project is completed, the Contractor shall restore grades and groundcover within the project limits to a condition equal or better than existing condition prior to construction.
19. All existing utilities, 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. The Contractor shall be held liable for any damages incurred to the existing utilities as a result of his operations. All damaged portions shall be replaced in accordance with the standards and specifications of the affected utility company at no cost to the State.
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.

ABBREVIATIONS:

Abut.	Abutment
AC, ac	Asphalt Concrete
@	Baseline
Bot.	Bottom
CL	Chain Link
Conc.	Concrete
CPP	Corrugated Polyethylene Pipe
Elev	Elevation
es	Existing Edge of Shoulder
etw	Existing Edge of Travel Way
EA.	Each
EB	Eastbound
ftg.	Footing
G.W.	Guy Wire
M.L.	Matchline
ST. MON.	Street Monument
NTS	Not to Scale
o.c.	On Center
O/H	Overhead
PC	Point of Curvature
PCC	Point of Compound Curve (for Alignment)
PE	Polyethylene
PI	Point on Intersection
POC	Point on Curvature
POT	Point on Tangent
PPWP	Polyvinyl Chloride Profile Wall Pipe
PT	Point of Tangency
PVC	Polyvinyl Chloride
R	Radius
R/W	Right-of-Way
SFM	Sewer Force Main
sl	Street Light
SLB	Street Light Box
STA	Station along @
t	Telephone
TCP	Traffic Control Plan
TRM	Turf Reinforcement Mat
UG	Underground
U.P.	Utility Pole
w	Water
WQV	Water Quality Volume

LEGEND:

Existing

	Chain Link Fence
	Contour
	Denotes No Access Permitted, Right-of-Way
	Drain Pipe
	Grated Drop Inlet
	Guardrail, Type 3
	Slope
	Street Light
	Trees
	Utility

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

T:\16523A-Permanent BMP/Cadd/Sheets/Misc/G-2.dgn

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Gerald D. Andrade 04/30/14
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**GENERAL NOTES, LEGEND
AND ABBREVIATIONS**

MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU

PROJECT NO. HWY-0-02-11R

Scale: None Date: April, 2014