

GENERAL NOTES:

1.

The scope of work for this project includes surface preparation; clearing of vegetation; installation of soil nails; shotcrete wall; cutoff wall; concrete and sculpted rock finish texture concrete; geocomposite drain; temporary BMP's; chain link fence; hot mix asphalt pavement; turf reinforcement mat; and providing traffic control.
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.

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. Parking of Construction Vehicles is prohibited at Aiea Shopping Center, unless otherwise accepted. No construction vehicles will be allowed to park on Laka Place except for the cul-de-sac area designated as Staging Area #2 in the Plans.
4.

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.
5.

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.
6.

The Contractor shall provide for local vehicular traffic and pedestrian access to and from Laka Place at all times.
7.

Existing drainage system shall be kept functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work will be considered incidental to various contract items.
8.

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.
9.

All grassed areas damaged by construction activities and not specified as part of the Site Restoration Plan, Sheet SR-1 shall be planted in accordance with Specifications Section 619 - Planting. Contractor shall restore to its original condition at no cost to the State.
10.

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.

11.

The Contractor shall verify the locations and elevations of all existing utility lines and notify respective owners before commencing any excavation work.
12.

No material or equipment shall be stockpiled or otherwise stored within roadway right-of-way except at locations designated in writing and approved by the Engineer.
13.

Contractor shall transport all removed material in water tight trailer beds to a permitted disposal site at no cost to the State.
14.

The Contractor shall be held liable for any damages incurred to the existing landscaping as a result of his operations.
15.

After the project is substantially completed, the Contractor shall restore grades and groundcover within the project limits to a condition equal or better than existing condition prior to construction. See Site Restoration Plan, Sheet SR-1.
16.

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.
17.

All work specified in the contract documents but not listed separately in the proposal schedule will be considered incidental to various contract items and will not be paid for separately.
18.

The Contractor shall notify all affected residents and businesses on all sides of Aiea Stream between Moanalua Road and Ulune Street; along Puakala Street; and Laka Place two weeks prior to the start of construction. Notification flyers must be approved by the Engineer.
19.

The Contractor shall furnish digital and printed pre-construction (once to establish existing conditions) and construction photographs. Include a minimum of 15 photographs of the project site at locations accepted by the Engineer. Digital photographs shall have a minimum resolution of 2400 by 3000 pixels. Printed photographs shall be a minimum of 5 by 7 inches in size; dated; references to the location marked on applicable plans; and accompanied by narrative descriptions. Take photographs on a daily basis and submit photographic surveys monthly.
20.

The Contractor is responsible for the Project's construction means and methods and shall obtain a stockpiling permit from the City Department of Planning and Permitting, if required. No extension of time will be granted to Contractor for any delays in obtaining the stockpiling permit.

ABBREVIATIONS:

Abut.	Abutment
AC, ac	Asphalt Concrete
℄	Baseline
BMP	Best Management Practices
Bot.	Bottom
BW	Bottom Wall
CL	Chain Link
Conc.	Concrete
CMP	Concrete Metal Pipe
CMU	Concrete Masonry Unit
Elev	Elevation
es	Existing Edge of Shoulder
etw	Existing Edge of Travel Way
EA.	Each
Ft.	Feet
ftg.	Footing
GRP	Grouted Rubble Paving
HMAB	Hot Mix Asphalt Base
HMAP	Hot Mix Asphalt Pavement, See Sht. <u>SW-2</u>
HDPE	High Density Polyethelene
M.L.	Matchline
Max.	Maximum
ST. MON.	Street Monument
NTS	Not to Scale
a.c.	On Center
O/H	Overhead
PC	Point of Curvature
PCC	Point of Compound Curve (for Alignment)
PDEA	Percussion Driven Earth Anchor
PI	Point on Intersection
POC	Point on Curvature
POT	Point on Tangent
PVC	Polyvinyl Chloride
PT	Point of Tangency

R	Radius
RCP	Reinforced Concrete Pipe
R/W	Right-of-Way
Sch.	Schedule
TCP	Traffic Control Plan
Thk.	Thick
TMK	Tax Map Key
TRM	Turf Reinforcement Mat
TW	Top Wall
Typ.	Typical
UG	Underground
U.P.	Utility Pole
w	Water
WWF	Welded Wire Fabric

LEGEND:

Existing

	chain link fence
	exist contour
	drain pipe
	grated drop inlet
	slope
	street light
	trees
	utility

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
N.	

T:\SSWMP-Aiea Stream Erosion Control\Cadd\Sheets\N-1.dgn

1/11/13	Added General Notes 18, 19 and 20 per Addendum #1
DATE	REVISION

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE \_\_\_\_\_ EXPIRATION DATE OF THE LICENSE 04/30/14

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GENERAL NOTES, LEGEND  
AND ABBREVIATIONS**

**INTERSTATE ROUTE H-1  
AIEA STREAM EROSION CONTROL**

**Project No. H1E-01-11MR**

**Scale: None Date: September 2012**