## 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 <u>SR-1</u>.
- 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 contractitems and will not be paid for separately.

1\square 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.

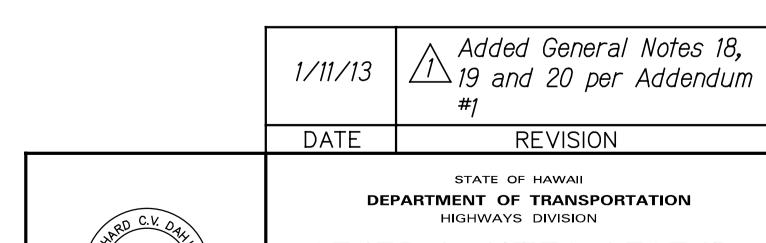
19. The Contractor shall furnish digital and printed preconstruction (once to establish existing conditions) and construction photographs. Include a minimum of 15 photographs of the project site at locations accepted by the Engineer. Digital photographs shall have a minimum resolution of 2400 by 3000 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.

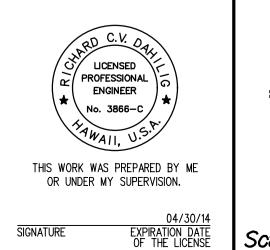
1 20. The Contractor is responsible for the Project's construction means and methods and shall obtain a stockpiling permit from the City Department of Planning and Permitting, if required. No extension of time will be granted to Contractor for any delays in obtaining the stockpiling permit.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	3	49

## ABBREVIATIONS:

Abut.	Abutment	R	Radius
AC, ac	Asphalt Concrete	<i>RCP</i>	Reinforced Concrete Pipe
₽.	Baseline	R/W	Right-of-Way
BMP	Best Management Practices	Sch.	Schedule
Bot.	Bottom	TCP	Traffic Control Plan
BW	Bottom Wall	Thk.	Thick
CL	Chain Link	TMK	Tax Map Key
Conc.	Concrete	TRM	Turf Reinforcement Mat
CMP	Concrete Metal Pipe	TW	Top Wall
CMU	Concrete Masonry Unit	Тур.	Typical
Elev	Elevation	UG	Underground
es	Existing Edge of Shoulder	U.P.	Utility Pole
etw	Existing Edge of Travel Way	W	Water
EA.	Each	<i>WWF</i>	Welded Wire Fabric
Ft.	Feet		
ftg.	Footing	IECENI	).
GRP	Grouted Rubble Paving	LLGLIVL	<u>/:</u>
HMAB	Hot Mix Asphalt Base	Existing	a
HMAP	Hot Mix Asphalt Pavement, See Sht. <u>SW-2</u>		→ chain link fence
HDPE	High Density Polyethelene		
M.L.	Matchline	200	exist contour
Max.	Maximum		
ST. MON.	Street Monument	d30	= drain pipe
NTS	Not to Scale		, ,
O.C.	On Center		grated drop inlet
0/H	Overhead	\ /	
PC	Point of Curvature		slope
PCC	Point of Compound Curve		
	(for Alignment) Percussion Driven Earth Anchor		street light
PDEA			+
PI DOC	Point on Intersection		<i>trees</i>
POC POT	Point on Curvature	_	
POT	Point on Tangent	——————————————————————————————————————	— utility
PVC	Polyvinyl Chloride		-





Point of Tangency

GENERAL NOTES, LEGEND
AND ABBREVIATIONS

INTERSTATE ROUTE H-1
AIEA STREAM EROSION CONTROL
Project No. H1E-01-11MR

Scale: None Date: September 2012

SHEET No. N-1 OF 8 SHEETS

A D D

