GENERAL CONSTRUCTION NOTES:

- 1. Locations of existing underground structures and utilities such as pipelines, conduits, cables, manholes, monuments, and structures shown on the Plans are approximate only. It is not the intent of these Plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own cost.
- 2. The Contractor shall verify and check all dimensions and details shown on the drawings prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer for clarification.
- When trench excavation is adjacent to or under existing structures or facilities, the Contractor shall be responsible for properly sheeting and bracing the excavation and stabilizing the existing ground to render it safe and secure from possible slides, cave-ins and settlement, and for properly supporting existing structures and facilities with beams, struts or underpinning to fully protect them from damage.
- Backfill under existing structures or facilities shall be sandy and granular material completely placed as soon as the ducts are laid. The backfill material shall be rammed with proper tools until compacted to 90-95% of its maximum density.
- All work called for on the plans and not itemized in the proposal and all work not called for but required for the construction of this project shall be considered incidental to various contract items.
- The Contractor shall restore to their original condition all improvements damaged as a result of the construction, including pavements, embankments, curbs, signs, landscaping, structures, utilities, walls, fences, etc.. Demolition and restoration of existing items shall be incidental and included within the amount paid for various contract items.
- 7. The Contractor shall observe and comply with the administrative rules of The Department of Health regarding noise control of Hawai'i.
- No section of incomplete guardrail, footing and/or excavation shall be left unshielded at the end of each work day. Intermediate concrete barriers and crash cushion end treatments used for shielding shall meet current SOH DOT standards and guidelines along with manufacturer's specifications. All shielding used during construction shall be considered incidental to various quardrail items.
- Locations of new pavement striping, markers, and markings shown on plans shall be verified with the Engineer.

- 10. Maintenance of traffic through the construction area shall be in accordance with Part VI of the "Manual on Uniform Traffic Control Devices for Streets and Highways," FHWA (2009) and as specified in the Special Provisions. The Contractor shall furnish and maintain adequate barriers, blinkers, construction signs, etc., for the safety of the motoring public.
- 11. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways, and other areas on a daily basis. The costs incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
- 12. The Contractor, at his own expense, shall keep the project area and surrounding area from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health.
- 13. No material and/or equipment shall be stockpiled or otherwise stored within roadway right-of-way except of locations designated and approved in writing by the Engineer.
- 14. There may be other contractors working in the project site on other projects. The Contractor shall coordinate his work with these contractors.
- 15. All construction work shall be done in accordance with these plans; all applicable sections of the "Standard Specifications for Road and Bridge Construction," dated 2005 as amended, of the State Highways Division, Department of Transportation; and the project's Special Provisions, unless otherwise specified.
- 16. Full compensation for all additional materials and labor, not specifically shown or called for which are necessary to complete the construction of the project, shall be considered incidental to the various contract items in the Proposal and no additional compensation will be allowed therefore.
- 17. Removal of existing signs shall also include the removal of posts and foundations unless otherwise noted. Cost for removal and temporary installation of signs, posts, and foundations shall be considered incidental to other items of work.
- 18. The contractor shall compact the existing aggregate base in accordance with Section 304 - Aggregate Base Course prior to laying the new Glassphalt Base Course. This preparation work shall be considered incidental to the new Glassphalt Base Course, and will not be paid for separately.
- 19. The vertical pavement drop-off shall not exceed 2-inches. If a vertical pavement drop-off exists at the end of each day's cold planing and paving, the Contractor shall provide a wedge with a 48:1 minimum transition taper for traverse drop-off no steeper than 12:1 for longitudinal drop-off, as approved by the Engineer. This work shall be considered incidental to various pavement items.

ANCHORED WIRE MESH SYSTEM

1.	Trim all vegetation flush to the ground, Scale all loose and
	unstable rocks, debris, soils or any other material encountered
	on the slope, level slope surface, trim back overhangs, and
	smoothen sharp grade breaks prior to installing the wire mesh.

- Stake-out the top of the wire mesh system limits and the State right-of-way in the field. Do not begin drilling until the Engineer has reviewed and approved the location of the wire mesh system.
- 3. Excavate a dell for each grouted soil/rock anchor to be used for tensioning the mesh.
- Install and test the grouted soil/rock anchors in accordance with the contract documents.
- 5. Lay the high strength wire mesh on the slope by unrolling down the slope. The rolls can be shortened or lengthened as necessary by removing or adding sections, respectively.
- Install the required boundary wire ropes and fasten the wire mesh to the boundary wire rope with special compression claws.
- Place the spike plate onto the anchors. Using a torque wrench or hydraulic press, tighten the nuts and push the spike plates and wire mesh into the dells in order to tension the anchored wire mesh to at least 3.0 kips (27 kN).

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	ER-16(008)	2012	2	14

LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion Double line for as-built deletion

Roadway Text for as-built

AECOM



ROCKFALL NOTES HANA HIGHWAY EMERGENCY REPAIRS MILEPOST 10.4

FEDERAL-AID PROJECT NO. ER-16(008) Date: July 10, 2012 Scale: As Noted

STATE OF HAWAII

HIGHWAYS DIVISION

CONSTRUCTION AND

DEPARTMENT OF TRANSPORTATION

SHEET No. 2 OF 14 SHEETS

EXPIRATION DATE OF THE LICENSE 4/30/2014 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

"AS-BUILT"