TAO VALLEY STATE MONUMENT FLOOD REPAIRS

Public Informational Meeting Wailuku Community Center Tuesday, September 12, 2017 5:00 pm to 7:00 pm



HISTORICAL PHOTOS OF 'ĪAO VALLEY STATE MONUMENT



STREAM CHANNEL PRE- AND POST-FLOOD

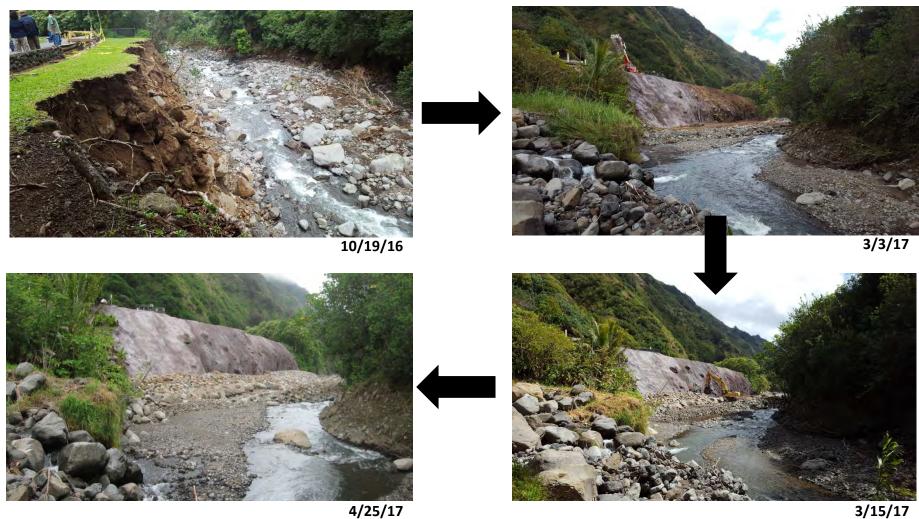




POST-FLOOD SLOPE DAMAGE



PHASE 1: EMERGENCY SLOPE STABILIZATION



3/15/17

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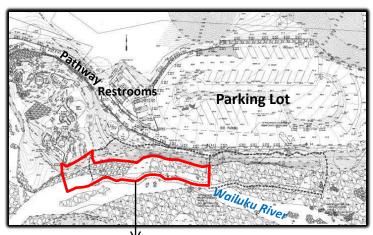


Restrooms Parking Lot

- Approximately 410 feet of shotcrete
- 200 feet of grouted boulder revetment with concrete key
- 210 feet of placed boulder revetment



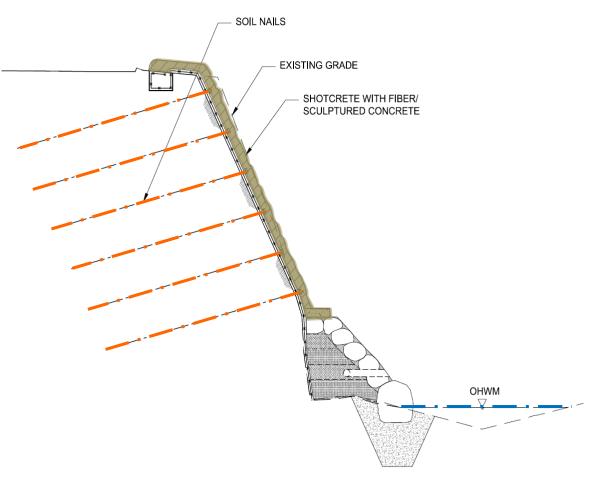
PHASE 2: EMERGENCY SLOPE STABILIZATION





- Remaining work to complete emergency repairs
- Installation of concrete key and grouted boulders (yellow)
- Additional 50 feet of shotcrete and grouted boulder revetment (pink)
- Park will close to begin work in October 2017

PLANNED WORK FOR LONG-TERM SLOPE STABILIZATION



- Widely used to stabilize unstable soil slopes
- Series of 30-ft reinforcing bars (soil nails) grouted into drilled holes
- Shotcrete can be colored and sculptured to look more natural
- Park can remain open during construction
- Approx. 14 months and \$4.6 million to construct

PLANNED WORK FOR LONG-TERM SLOPE STABILIZATION

Example of slope face with sculptured shotcrete treatment:



Kapolei Interchange, Oʻahu, Hawaiʻi

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INFRASTRUCTURE AND OTHER PARK IMPROVEMENTS COMPLETED







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MAHALO