

## Punalu'u Stream Restoration Project October 11, 2022

Project of





#### **PROJECT PURPOSE**

- Restore Stream & Floodplain Processes
- Protect Cultural &
  Natural Resources
- Increase Community
  Engagement
- Conduct 'Āina-based Learning



### Access into the Valley

- Green Valley Road closed on Monday, October 3 for primary access into the valley due to construction.
- Alternative access is provided via Coral Road, entrance near Keneke's.
- Safety is our priority at the site and number 1 concern





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Green Valley Road Closed During Construction

> Alternative Access - Coral Road, entrance near Keneke's)



#### **Best Management Practices Implemented**

- Our contractor, Goodfellow Bros, installed mandated erosion control measures that include nearly 6 miles of silt fencing around the perimeter of working areas. This fencing may be visible from Kamehameha Highway in places.
- We also shored up the existing front entrance with additional cobble and gravel material to help control mud and sediment from vehicles leaving the site. No excavated material will leave the site.





#### **Ground Disturbance Starting**

 Last week, we started with major earthwork including grading near the Estuary component of the project.







### **Coconut Rhinosurus Bettle (CRB)**

- The State of Hawai'i CRB Taskforce visiting Punalu'u on October 6 to inspect the project area for CRB.
- This was due to concerns brought up at the Punalu'u Community Association meeting about CRB being present in Lā'ie and Hau'ula.
- The Taskforce did not detect any CRB in Punalu'u but did provide BMPs to our contractor and KS staff.





### **Other Updates**

### Water quality

 To prevent adverse impact to water quality, special protective curtains will be in place in designated areas of the stream corridor. Frequent water quality testing by a third-party firm will also be conducted. The project will shut down when water quality is not within permit-regulated limits and will not resume until the quality is within the established approved limits.

#### **Potential impacts**

• The surrounding neighborhood will hear some construction-related noise throughout the workday, which will be between the hours of 7 a.m. and 5 p.m. The initial excavation area will be near the estuary on the front portion of the property and so we expect constructed-related noise on the Kahana side of the project.



### **CONTACT INFORMATION:**

**Project Website:** 

www.ksbe.edu/aina/punaluu/stream\_restoration/

Email: punaluu@ksbe.edu



### PROPOSED PROJECT DESIGN

Elevated Green Valley Road Unim proved Access Route Punalu'u Stream

**Raised Farm Fields** 

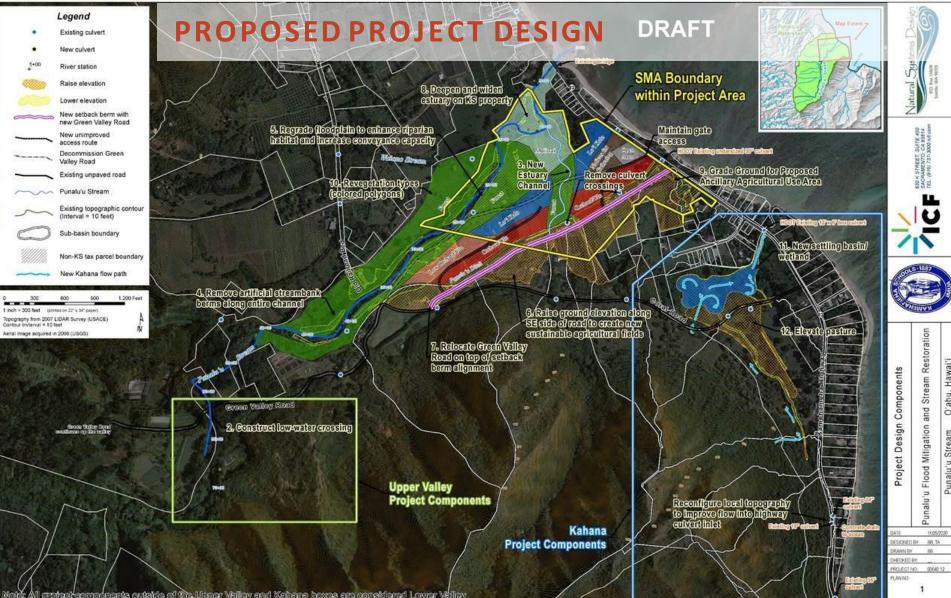
**Estuary Channel** 

Pasture Fill Area

Settling Basin/Wetland

Estuary



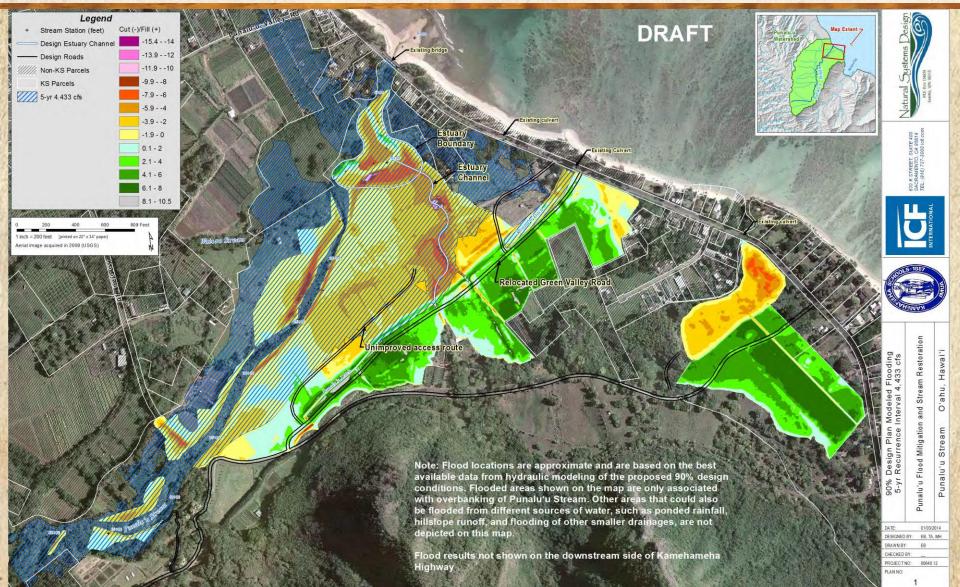




### **PROJECT CONSTRUCTION**

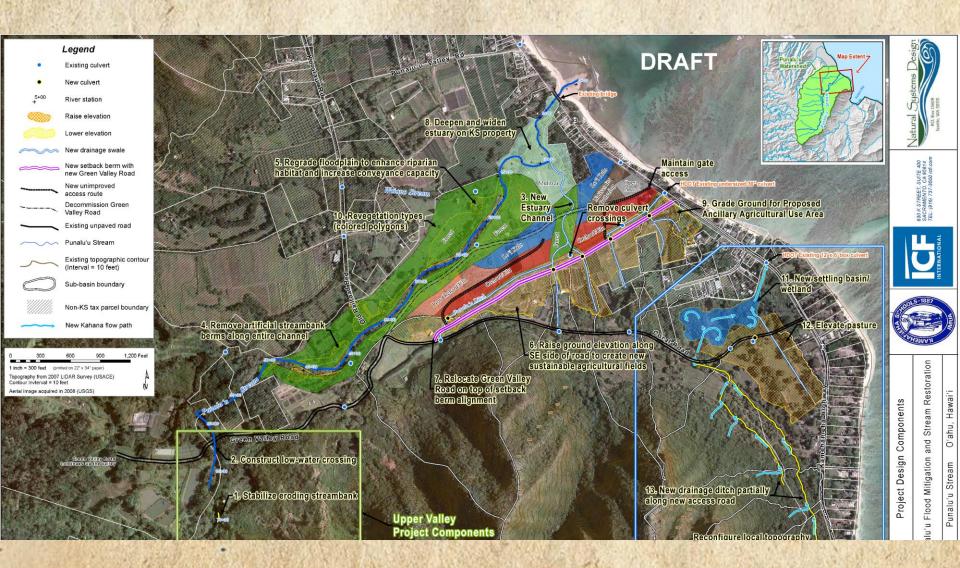
- Estimated duration 18 to 24 months
- Project segmented and sequenced to minimize impact
- Work within high water mark restricted to USACE work periods & conditions
- Constant monitoring to avoid adverse impacts
- Erosion and sediment controls
- No work during rain and high stream flows
- Immediate work stop if adverse water quality issues are observed
- Archaeological monitoring required





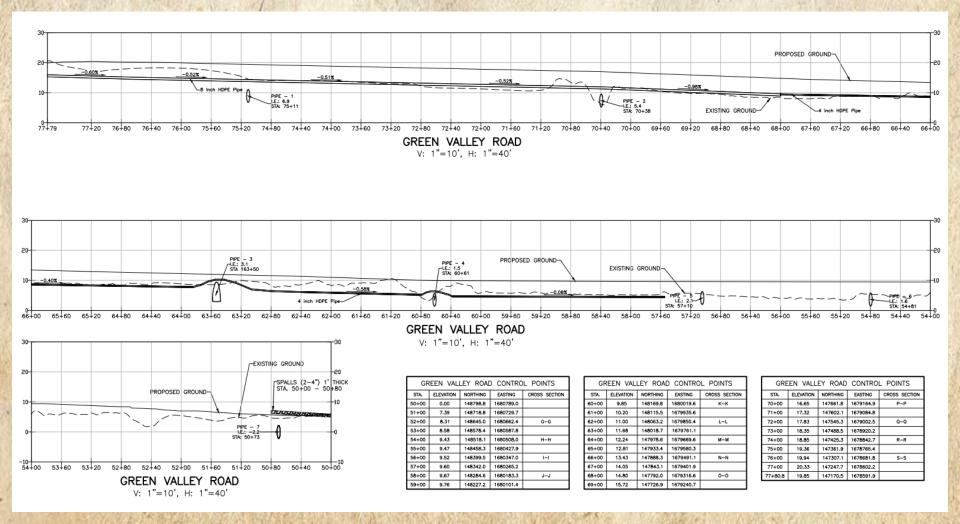
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### **Proposed New Green Valley Road (Main Access Road)**





# Map of Lower Punalu'u

