

Punalu'u Stream Restoration Project September 13, 2022

Project of













Estuary clearing near makai portion of project





Looking toward stream from Kahana Valley Access Road





PUNALU A HUPUA'A Community Hard Hat Tour 6/14

Looking toward stream from Kahana Valley Access Road





Looking makai pasture area behind Keneke's





September 2022 Updates

Grading Permit

 The City and County of Honolulu, Department of Planning and Permitting approved our grading permit on August 24, 2022.

Erosion Control Installation

- Our contractor, Goodfellow Bros, is in the process of installing 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 are also shoring 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.

Equipment transfer

 Heavy equipment will be brought to the site to begin the earthwork portion of the project. Traffic impacts along Kamehameha Highway should be minimal and all transportation-related permits for the equipment have been obtained.



September 2022 Updates

Temporary valley entrance

 When the excavation begins, we will close the existing entrance into the valley to visitors. For tenants or anyone else with business in the valley, the entrance will move to a location closer to Keneke's Restaurant (see map). Signs will be placed at the existing entrance indicating the location of the new entrance.





September 2022 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 a.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.



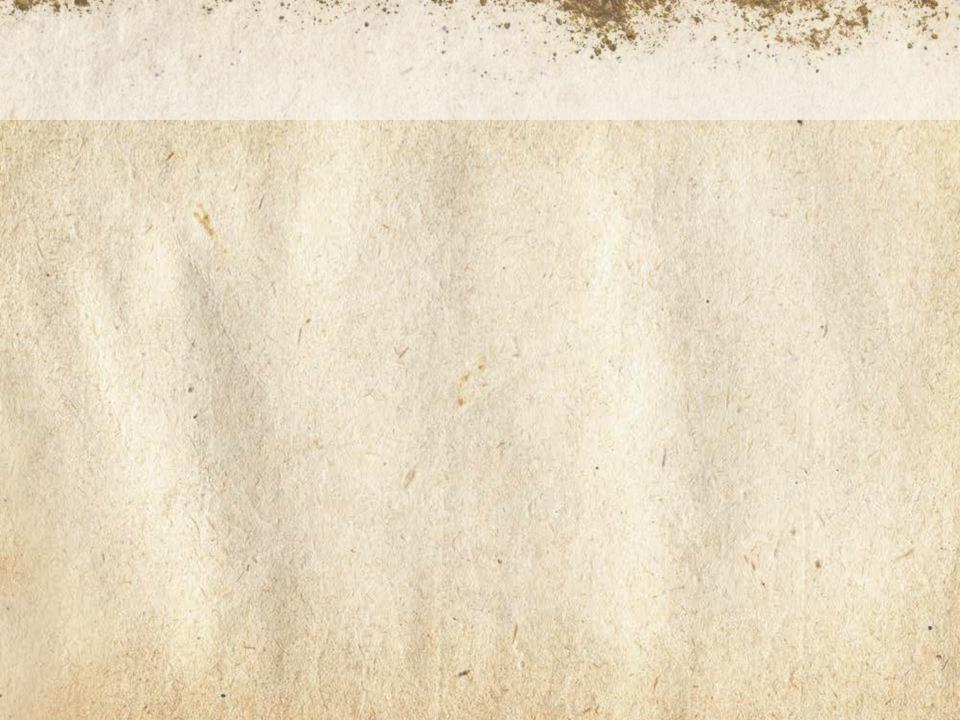
CONTACT INFORMATION:

Project Website:

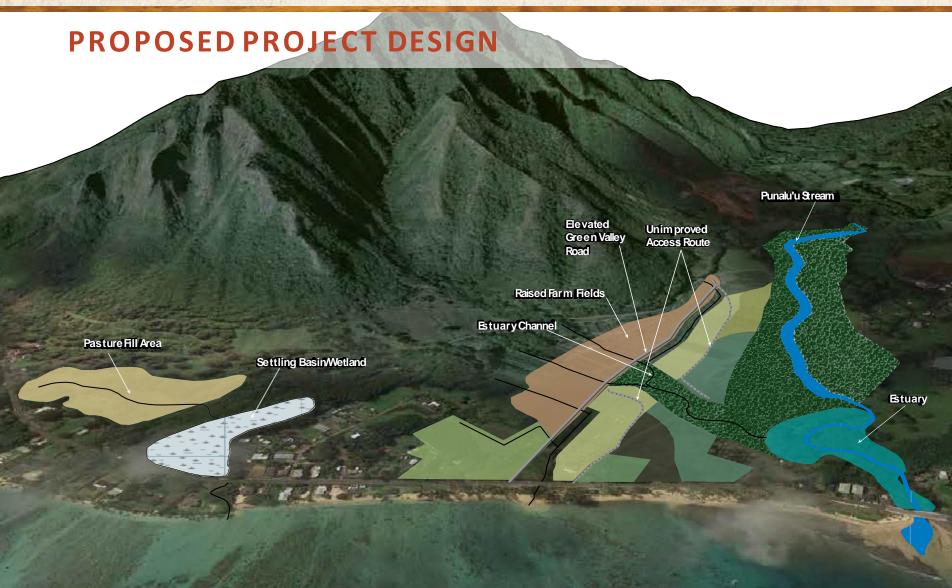
www.ksbe.edu/aina/punaluu/stream restoration/

Email:

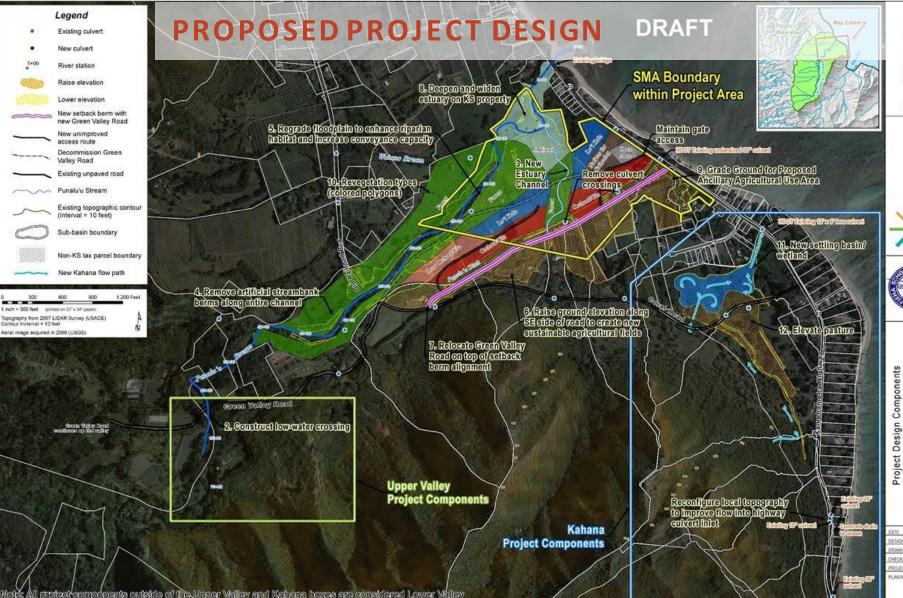
punaluu@ksbe.edu













630 K STREET, SUITE 400 SACRAMENTO, CA 98814 TEL: (916) 737,3000 k/l.com





ation and Stream Restorati

Punalu'u Flood Mitigation and Strea

	Per		
ATE	11/25/2020		
ESIGNED BY	88. TA		
RAWN BY	86		
H€CKED BY:			
ROJECT NO:	0064012		

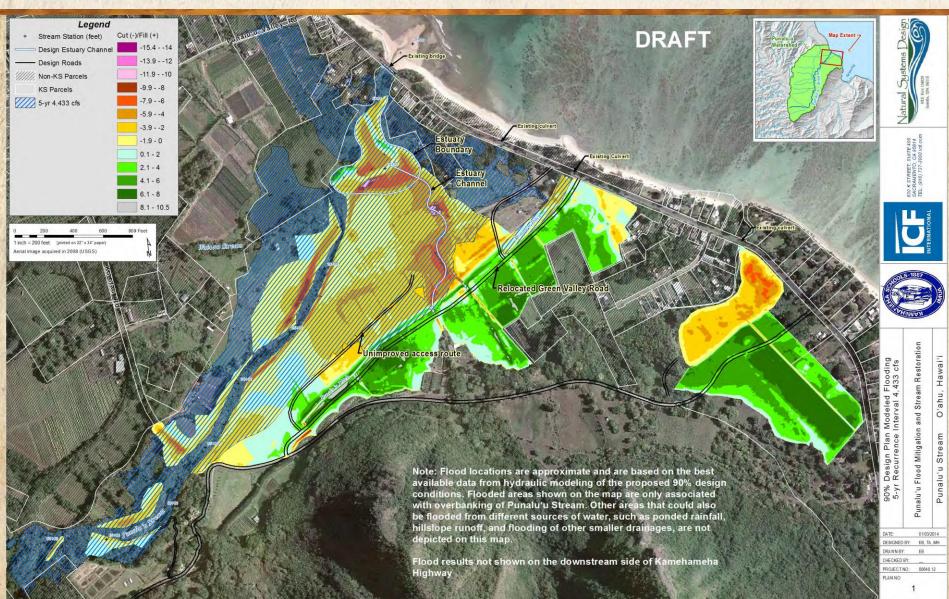
PLANNO 0640 t



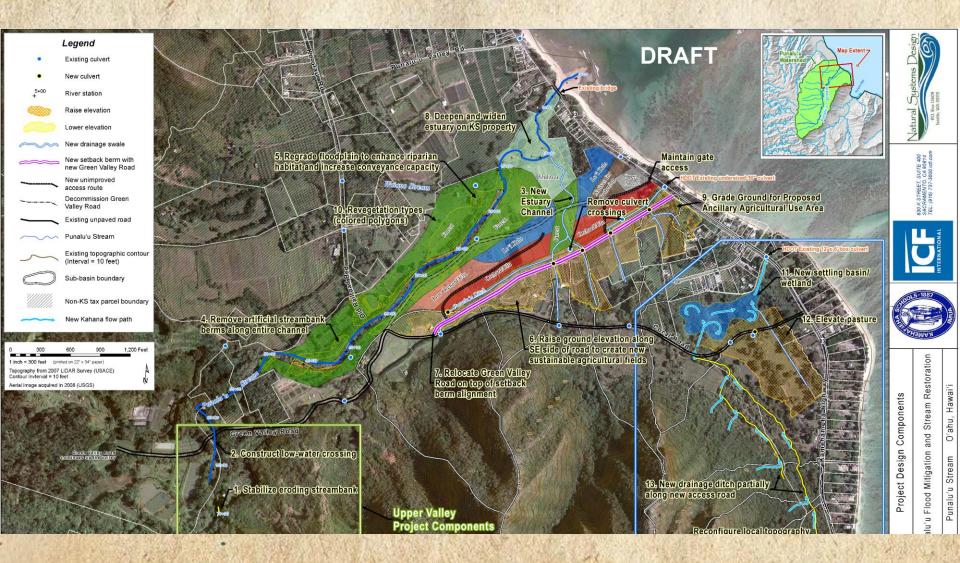
PROJECT CONSTRUCTION

- 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



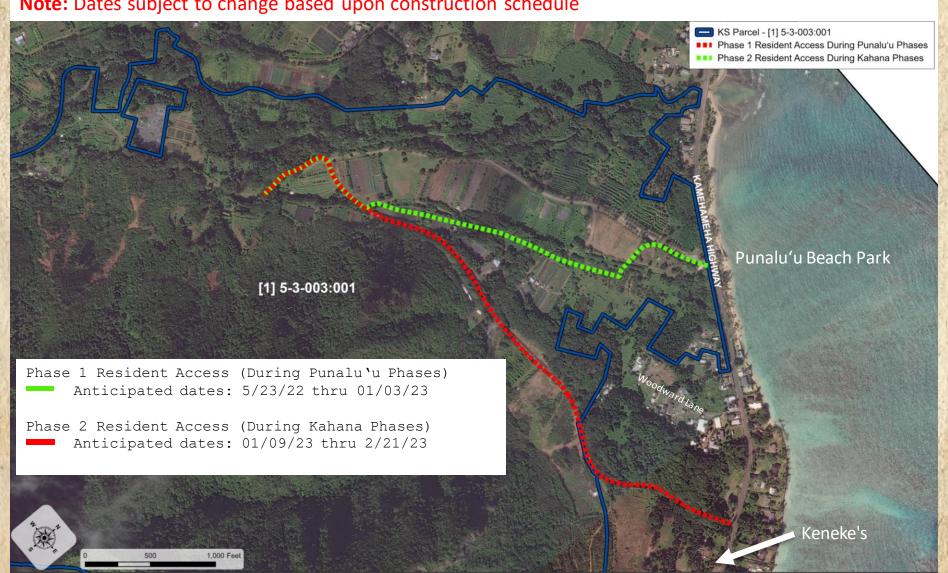








Note: Dates subject to change based upon construction schedule





Construction Access and Safety Protocols



Phase 1 Resident Access (During Punalu'u Phases)

Anticipated dates: 5/23/22 thru 01/03/23

Phase 2 Resident Access (During Kahana Phases)

• Anticipated dates: 01/09/23 thru 2/21/23

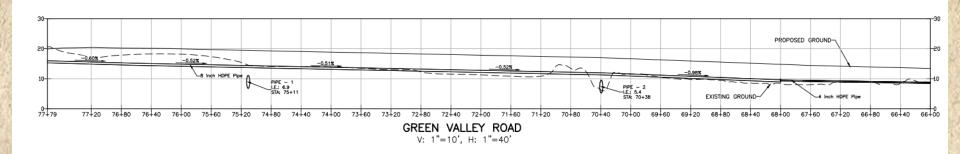
General Job Site Guidelines

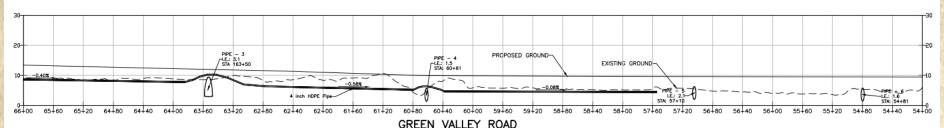
- 1) Please remain in vehicle while passing through active construction site. GBI may request an escort be provided.
- 2) Visitors to the construction site must check in at the Goodfellow Bros construction office and wear high visibility safety vests, pants, covered shoes, safety glasses, and hard hat while on site.

Note: Dates subject to change based upon construction schedule

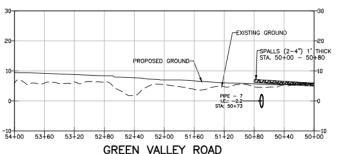


Proposed New Green Valley Road (Main Access Road)





V: 1"=10', H: 1"=40'



V: 1"=10', H: 1"=40'

GREEN VALLEY ROAD CONTROL POINTS				
STA.	ELEVATION	NORTHING	EASTING	CROSS SECTION
50+00	0.00	148798.8	1680789.0	
51+00	7.39	148718.8	1680729.7	
52+00	8.31	148645.0	1680662.4	G-G
53+00	8.58	148578.4	1680587.8	
54+00	9.43	148518.1	1680508.0	н-н
55+00	9.47	148458.3	1680427.9	
56+00	9.52	148399.5	1680347.0	1-1
57+00	9.60	148342.0	1680265.2	
58+00	9.67	148284.6	1680183.3	J-J
59+00	9.76	148227.2	1680101.4	

GREEN VALLEY ROAD CONTROL POINTS					
STA.	ELEVATION	NORTHING	EASTING	CROSS SECTION	
60+00	9.85	148169.8	1680019.6	к-к	
61+00	10.20	148115.5	1679935.6		
62+00	11.00	148063.2	1679850.4	L-L	
63+00	11.68	148018.7	1679761.1		
64+00	12.24	147978.6	1679669.6	м-м	
65+00	12.81	147933.4	1679580.3		
66+00	13.43	147888.3	1679491.1	N-N	
67+00	14.05	147843.1	1679401.9		
68+00	14.80	147792.0	1679316.6	0-0	
69+00	15.72	147726.9	1679240.7		

GREEN VALLEY ROAD CONTROL POINTS				
STA.	ELEVATION	NORTHING	EASTING	CROSS SECTION
70+00	16.65	147661.8	1679164.9	P-P
71+00	17.32	147602.1	1679084.8	
72+00	17.83	147545.3	1679002.5	Q-Q
73+00	18.35	147488.5	1678920.2	
74+00	18.85	147425.3	1678842.7	R-R
75+00	19.36	147361.9	1678765.4	
76+00	19.94	147307.1	1678681.8	s-s
77+00	20.33	147247.7	1678602.2	
77+80.8	19.85	147170.5	1678591.9	



Kahana Component Large Tree Removal









Punalu'u Component Large Tree Removal



