



HAWAIIAN HOME LANDS

HAWAIIAN HOMES COMMISSION • DEPARTMENT OF HAWAIIAN HOME LANDS

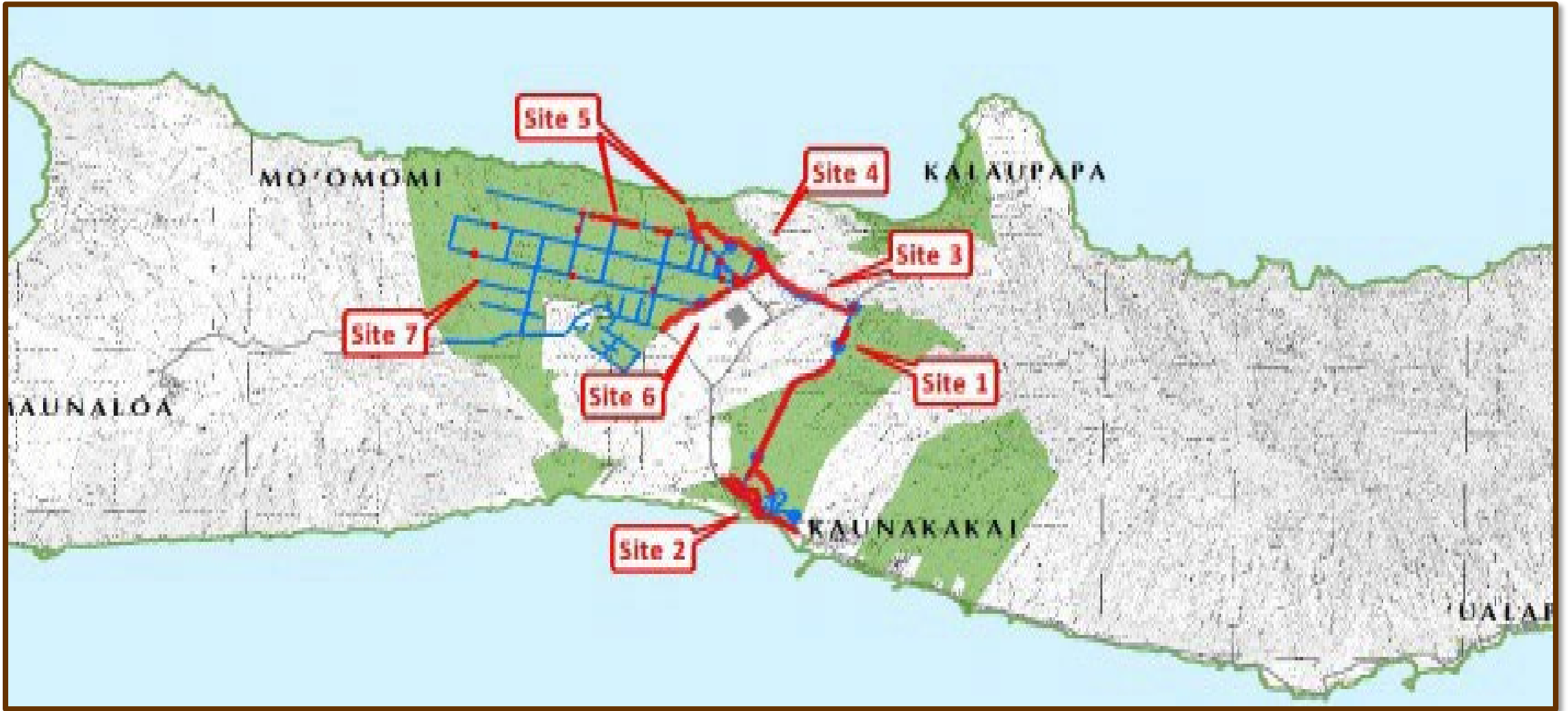
Moloka'i Island Project Updates

**Item E-3
For Information Only
April 17-18, 2023**



Ho'olehua Water System

Improvements Located at Seven Sites





Ho'olehua Water System - Proposed Improvements

Objectives:

- Improve reliability and functionality of water delivery
- Address Water Pressure issues
- Address Fire Protection Deficiencies
- Improve Water System Safety and Security
- Reduce Energy Cost

Ho'olehua Water System Improvements - Project Funding



•USDA Loan:	<u>\$ 7,455,000</u>
•USDA Grants:	<u>\$ 11,634,083</u>
•DHHL Contribution:	<u>\$ 12,528,712</u>
•Legislature CIP:	<u>\$ 500,000</u>
•NAHASDA:	<u>\$ 2,700,000</u>

Total Funds:	<u>\$ 34,817,795</u>
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Ho'olehua Water System – Project Status

- **Package 1: Ho'olehua (Site 1, Site 3-7)**
 - Contractor: Goodfellow Bros. LLC
 - Construction status: 72% complete
 - In progress: Two 3.5 MG tanks repairs at Site 4 (\$3.3M)
New Maintenance Bldg at Site 7 (\$1.5M)
- **Package 2: Kalamaula**
 - Contractor: Goodfellow Bros. LLC
 - Construction status: 100% complete
- **Package 3: Photovoltaic system**
 - Reassess installation of Photovoltaic system
- **Package 4: Equipment for Operations and Maintenance**
 - Various equipment has been procured and delivered to Molokai District Office
 - Smart Meter installation by others



Kalanianaʻole Hall

- Act 88, SLH 2021, as amended by Act 248, SLH 2022, provides for \$1,500,000 to Homestead Services repair improvements
- On March 3, 2023, Governor Josh Green, M. D., releases grant funds
- \$500,000 earmarked for Improvements to Kalanianaʻole Hall, including but not limited to:
 - Termite fumigation and ground treatment
 - Foundation work as needed
 - New floor sheathing and tiles
 - Roof repair and sealing if needed
- Schedule: To be determined





Nā'īwa Ag Subdivision – Site Improvements

PLANNED INFRASTRUCTURE FOR SUBDIVISION UP TO 66 LOTS

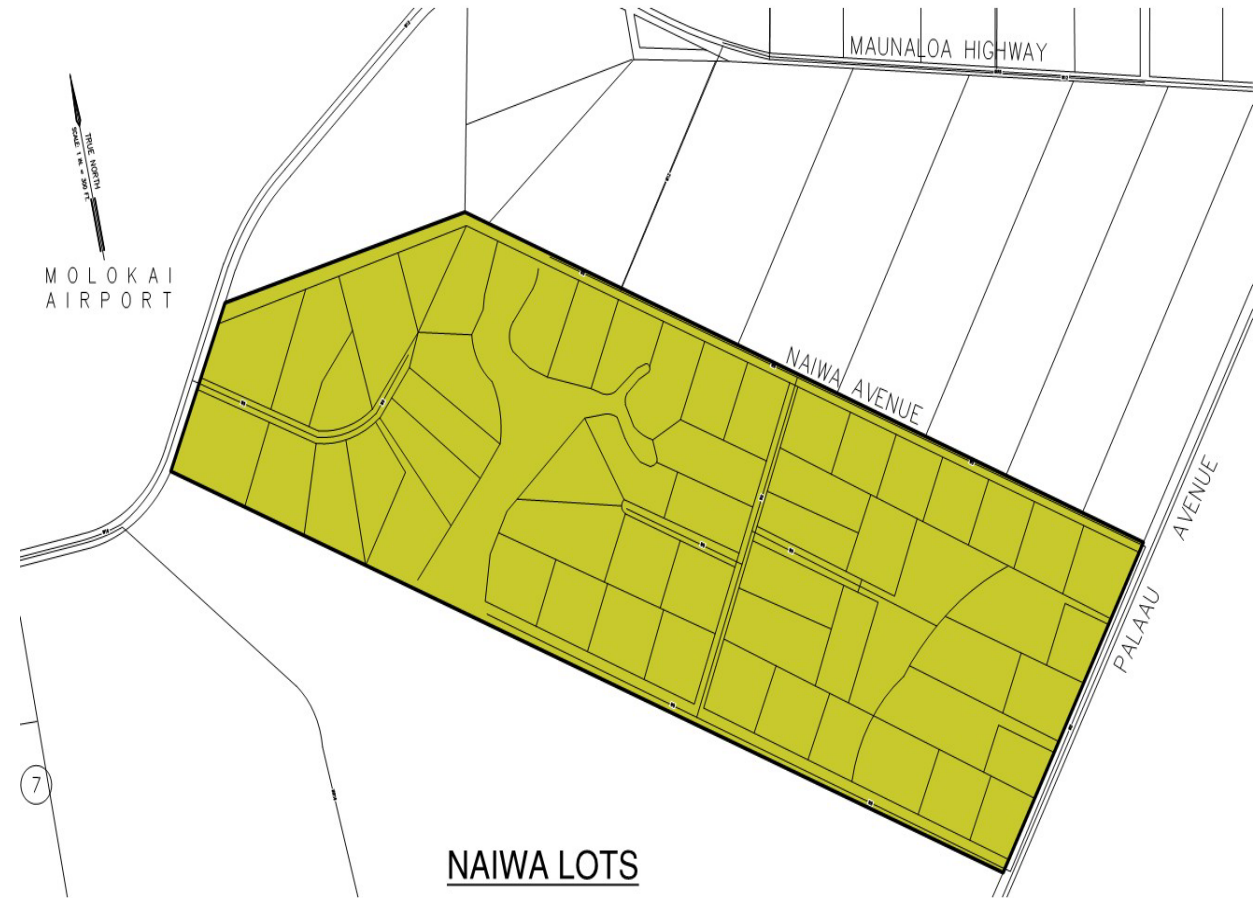
- Paved Roadways
- Potable water
- Irrigation water
- Overhead Electrical Service
- Drainage detention basins in lots

BUDGET

- Environmental Assessment & Preliminary Engineering Report: \$550,000
- Design & Subdivision Approval: \$950,000
- Construction: \$30,000,000 (estimated)

TENTATIVE SCHEDULE

- Early 2021: Start Chap. 343 Environmental Documentation
- Mid 2023: Complete Environmental Documentation
- Early 2024: Complete design
- Mid 2024: Advertise bids for construction
- Late 2024: Begin construction
- Late 2025: Construction completed; Final Subdivision Approval



***Subject to construction funding**



Ho'olehua Scattered Lots – Site Improvements

SCOPE OF WORK

- Create at least 12 new lots from existing unencumbered ag lots; subdivide to Subsistence Ag standards for additional lots
- Potential Infrastructure Improvements
 - Roadway and electrical
 - Potable and Irrigation water

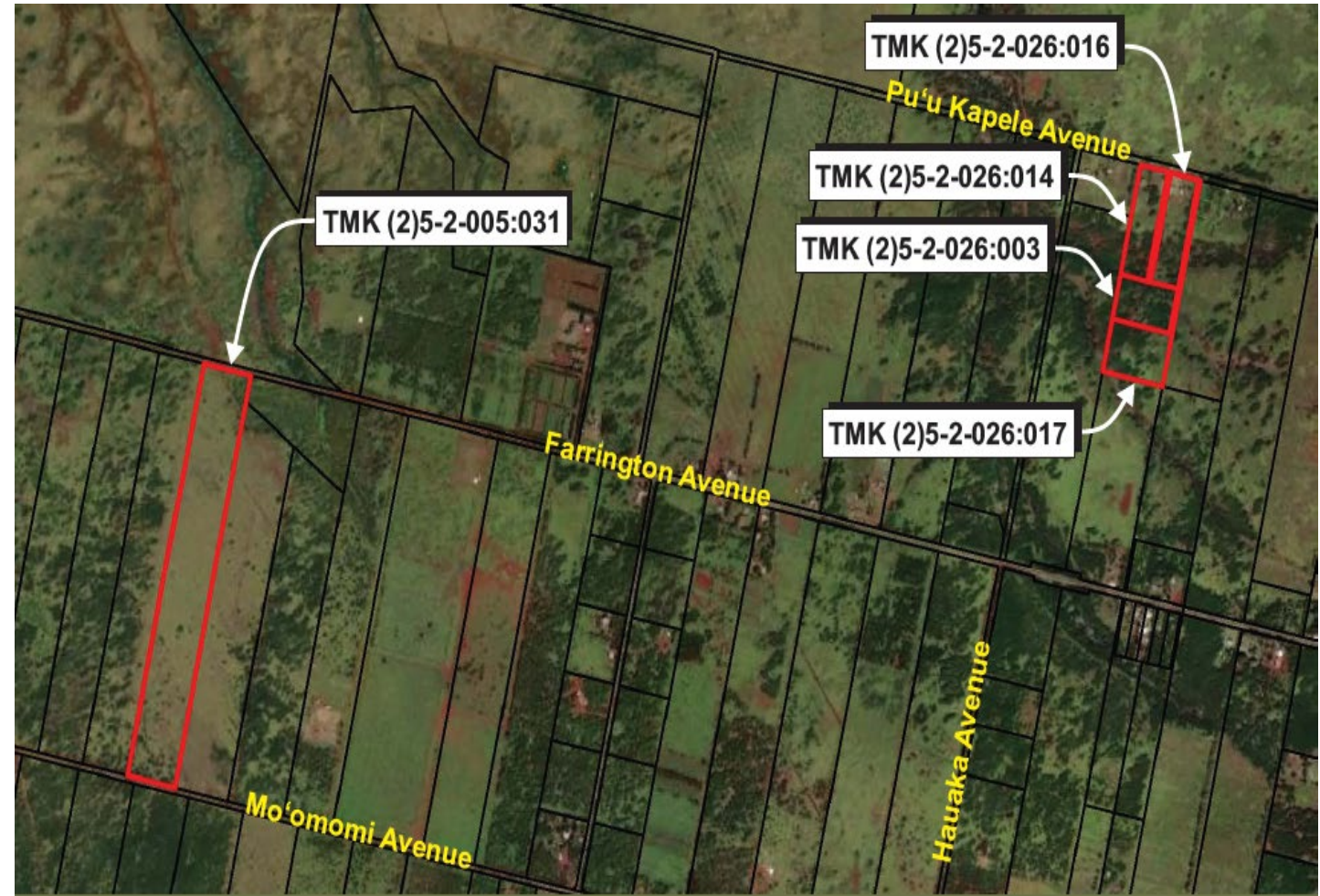
BUDGET

- Design: \$900,000
- Environmental Assessment: \$600,000
- Construction: \$3,000,000

SCHEDULE

- Mid 2024: Complete Environmental Documentation
- Mid 2024: Complete design
- Early 2025: Advertise bids for construction
- Mid 2025: Begin construction
- Early 2026: Construction completed

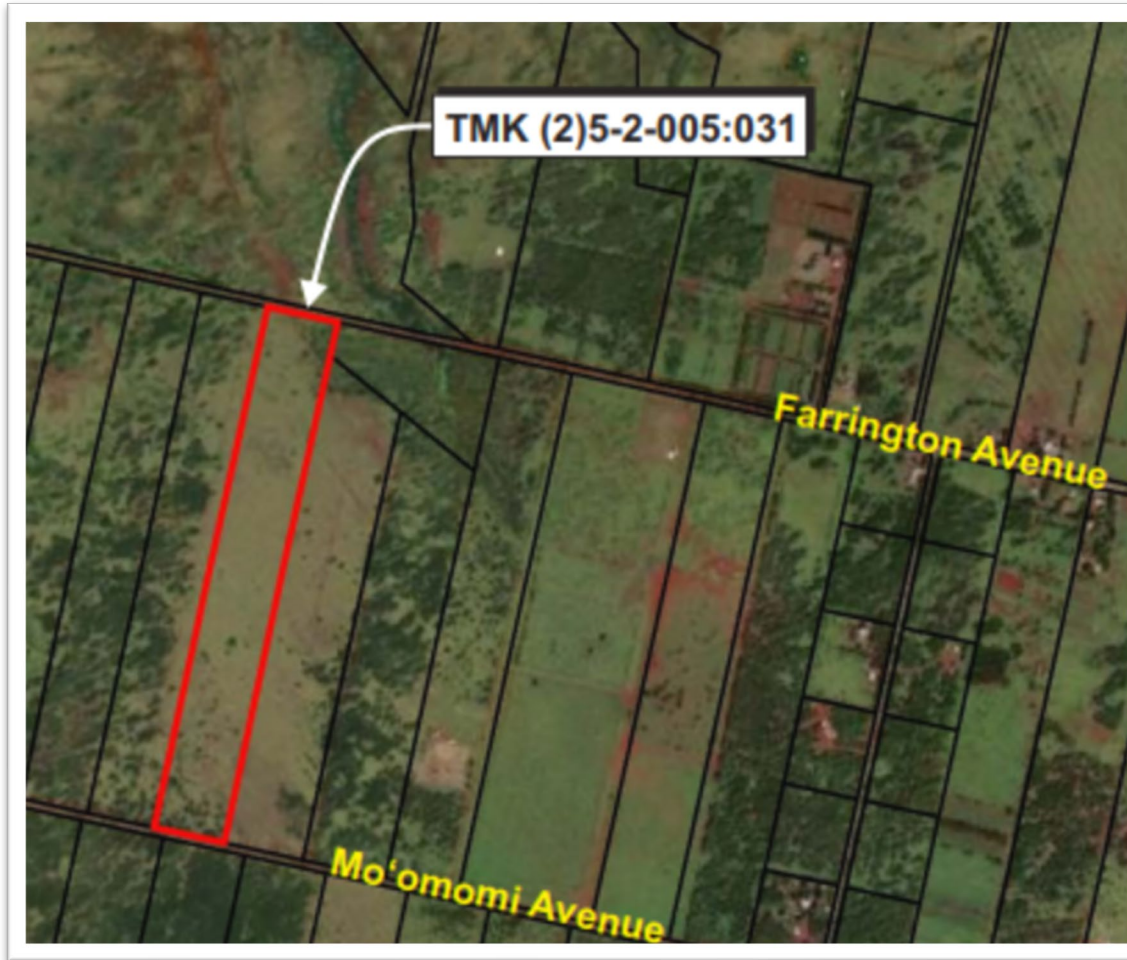
*subject to construction funding



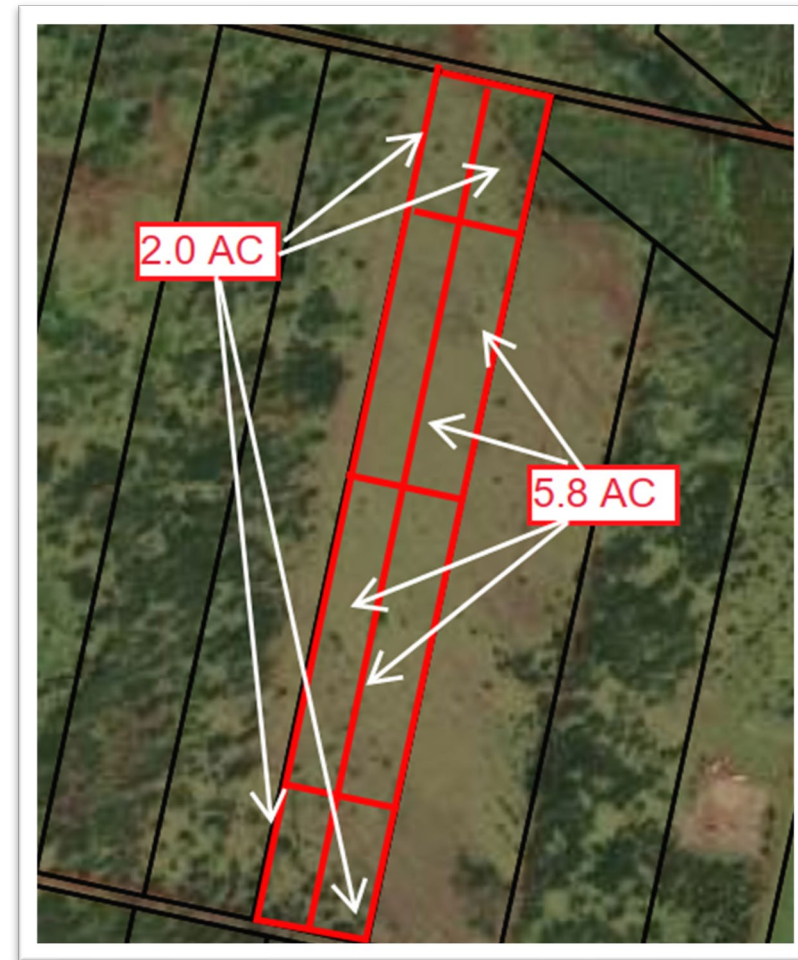


Ho'olehua Scattered Lots – Site Improvements

TMK (2)5-2-005:031



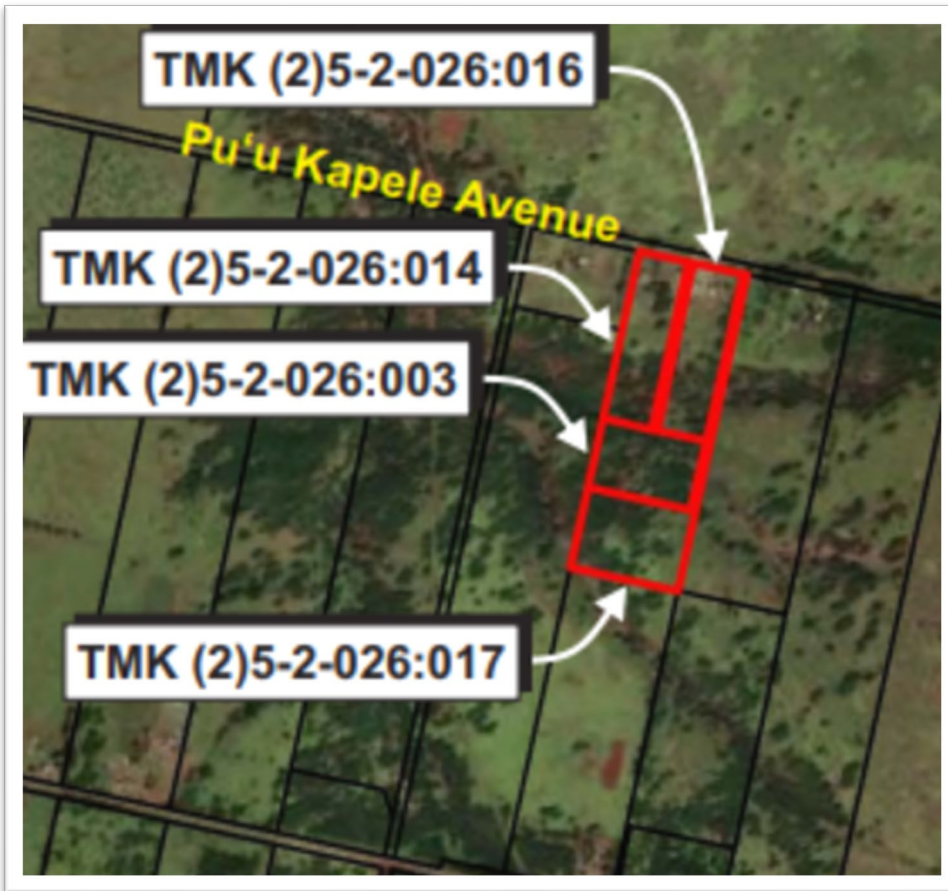
PROPOSED LOT SUBDIVISION



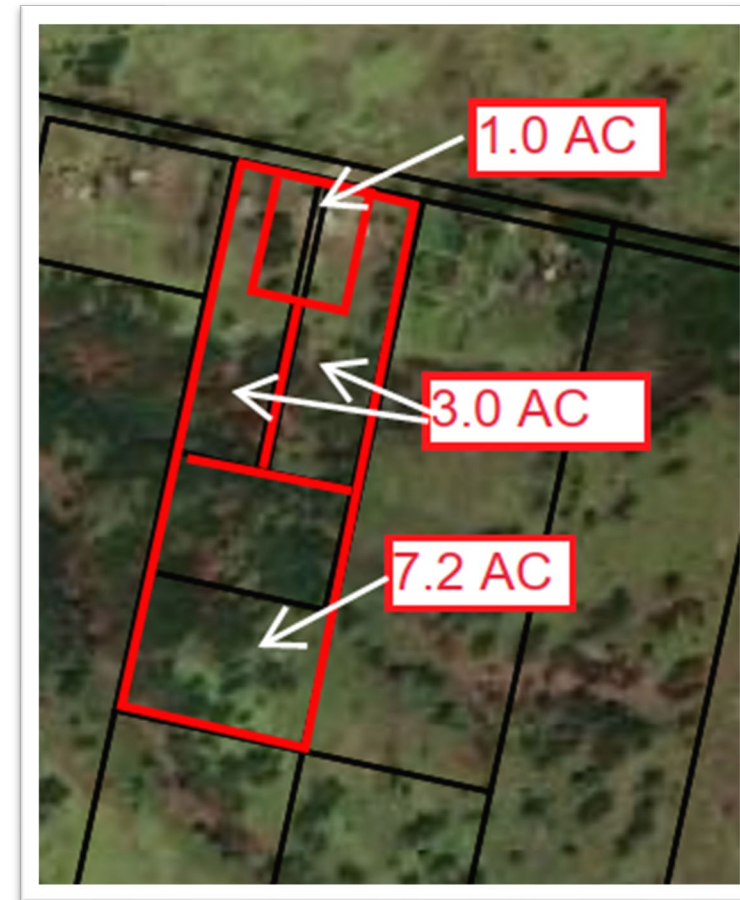


Ho'olehua Scattered Lots – Site Improvements

TMKs (2)5-2-026:003, :014, :016, and :017



PROPOSED LOT SUBDIVISION





Hoolehua Veterans and Homestead Residents Center

- New design-build facility for joint use by DHHL Homestead Residents and Molokai Veterans; includes offices, kitchen, meeting rooms, event space, parking lot, new septic tank and leach field
- Legislative Appropriation \$4 million (encumbered)
- Construction began October 4, 2022, with an anticipated completion date in October 2023
- Contractor: Diede Construction Inc.

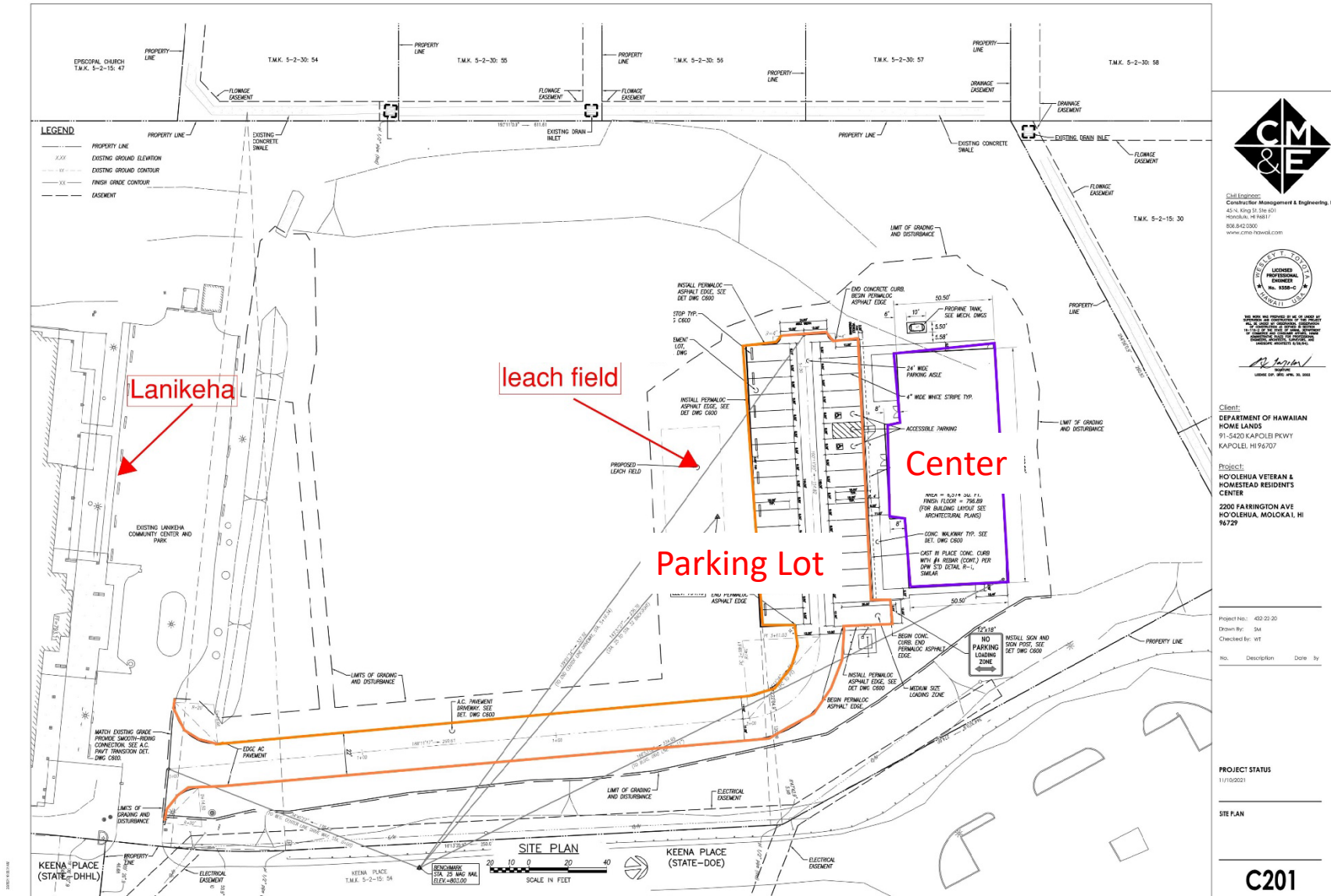
Project Location





Hoolehua Veterans and Homestead Residents Center

- Site Plan





Lanikeha Center

- Act 88, SLH 2021, as amended by Act 248, SLH 2022, provides for \$1,000,000 to Molokai Homestead Farmers Alliance for Lanikeha Center renovations including restroom and sewer improvements
- On March 3, 2023, Governor Josh Green, M. D., releases grant funds
- Hawaii Engineering Group prepared engineering plans to reroute kitchen wasteline around Lanikeha Center

Project Location







Moloka'i Cesspool Assessment

Enabling Legislation:

- Act 125, Session Laws of Hawaii, 2021 requires upgrade, conversion, or sewer connection of all cesspools by 2050, unless exempted

Hawaii Engineering Group Project Objectives:

1. Build an accurate database of existing cesspools
2. Create baseline engineering drawings for cesspool evaluation
3. Assess existing conditions for conversion of cesspools to comply with Act 125 (SLH 2017) by 2050
4. Evaluate existing infrastructure and make recommendations for possible cesspool conversions



Moloka'i Cesspool Assessment

Field Survey Completed in September 2022

Homestead	Existing DHHL Data	Field Verified Data
Kapa'akea		
Septic Tank	N/A	8
Cesspool	43	45
One Ali'i		
Septic Tank	N/A	5
Cesspool	26	26
Kalama'ula		
Septic Tank	N/A	67
Cesspool	93	64
Ho'olehua-Pala'au		
Septic Tank	N/A	39
Cesspool	319	268
Total		
Septic Tank	0	119
Cesspool	481	403



Moloka'i Cesspool Assessment

- **HEG is preparing Final Report with recommendations for Cesspool conversion options by August 2023**
- **Main options for cesspool conversion are individual onsite septic tanks or a decentralized “cluster” wastewater system to serve several homes in a neighborhood**
- **DHHL understands the financial situation within our communities and seeks to lessen the burden on beneficiaries while we all malama the aina and maintain our precious water resources**

Your kokua is appreciated!



Moloka'i Drainage Study

The Molokai Island communities have a number of streams that run through the subdivisions. These streams cause flooding of communities during heavy rain storms as has happened during the December 2022 rain storm events that hit the island. There are 7 defined streams:

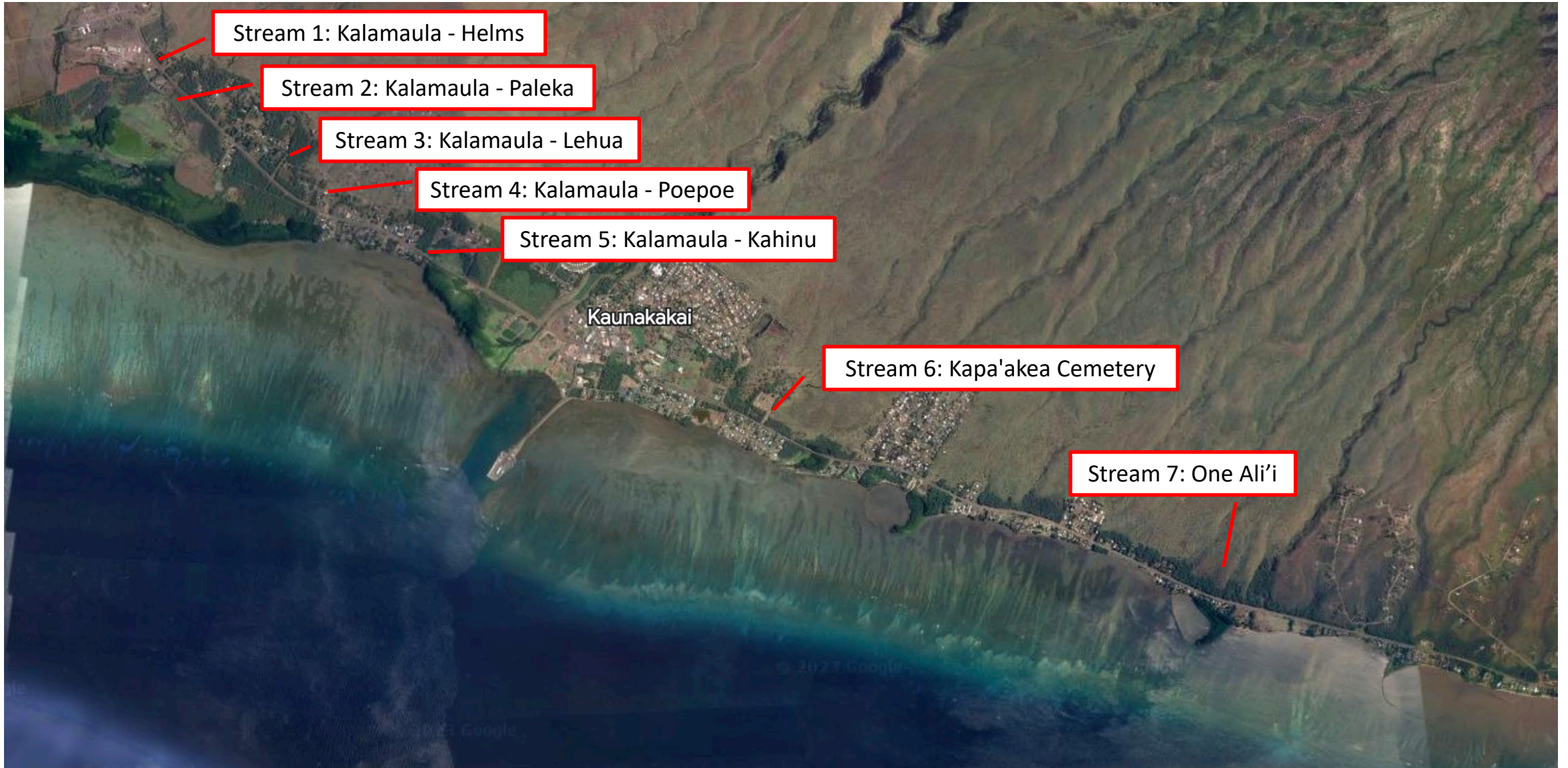
Kalamaula

- Helms Stream
- Paleka Stream
- Lehua Stream
- Poepoe Stream
- Kahinu Stream
- Kapa'akea Cemetery Stream
- One Ali'i Stream

DHHL has authorized a drainage study of these streams starting in May and is projected to be completed by November 2023



Moloka'i Drainage Study





Moloka'i Drainage Study



Kapa'akea Channel 1 During and After Rain Storm



Moloka'i Drainage Study



Kapa'akea Channel 2 During and After Rain Storm



Mahalo



DEPARTMENT OF HAWAIIAN HOME LANDS

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