

#### LOCATION OF WORK:

- Kakaina Subdivision
- Kumuhau Subdivision
- Kanehili Subdivision
- Kauluokahai Subdivision
- Kaupea Subdivision
- Maluohai Subdivision

#### SCOPE OF WORK:

- A. The general Contractor shall provide the Department of Hawaiian Home Lands with sewer line/manhole field inspections and services including cleaning and CCTV inspection in the homestead areas on the Island of Oahu described above, as directed by the Department of Hawaiian Home Lands (DHHL)

The General Contractor must:

- Maintain experience in field inspection and services
- Maintain confined space certification and equipment
- Provide adequate sewer cleaning equipment in inventory
- Provide sewer inspection equipment
- Maintain Pipeline Assessment Certification Program certification (preferred)
- Provide miscellaneous other equipment as necessary to clean, clear and inspect pipelines

- B. Manhole Inspections: As directed by DHHL, Contractor must perform Manhole Inspections to include the following:

- Mobilization to the project location
- Field vehicle and equipment to perform the manhole inspections
- MACP certified staff to perform the inspections
- Permits, as necessary, allowing crew to work on City Streets and State Highways
- Traffic control as required
- Level 2 MACP manhole inspections
- Digital photographs including area, upstream, downstream, the top and bottom of the manhole cover, looking down, the ring, the rungs, and any visible defects from the surface
- HD quality video of the interior of the manhole
- Documentation of all inspections in standard MACP format

Manhole Inspection Deliverables:

PDF report of each inspection with embedded pictures and video, in standard NASSCO MACP format, posted to a secure SharePoint website

- Summary spreadsheet in Microsoft Excel format, of the manhole inspection, posted to a secure SharePoint website

C. Line Cleaning: As directed by DHHL, Contractor must perform the Line Cleaning to include the following:

- Mobilization to the project location
- Cleaning vehicle, equipment and staff to clean the lines
- Permits, as necessary, allowing crew to work on City Streets and State Highways
- Traffic control as required
- Cleaning of the existing pipeline to facilitate CCTV inspections
- Water from the nearest hydrant for the cleaning operation
- Decanting water back into the sewer lines
- Disposal of debris at an approved disposal location

D. CCTV Inspection: As directed by DHHL, Contractor must perform CCTV Inspections to include the following:

- Mobilization to the project location
- CCTV vehicle and equipment to perform the CCTV inspections
- Permits, as necessary, allowing crews to work on City Streets and State Highways
- Traffic control as required
- NASSCO certified Supervisor to perform the CCTV inspections
- CCTV inspection of the sewer lines in accordance with North American Society of Sanitary Sewer Companies (NASSCO) Pipeline Assessment Certification Program standards
- Documentation of all inspections in a searchable MPEG format with each incident logged electronically by footage and video frame location
- Documentation of all inspections on NASSCO compliant computer-generated inspection forms with graphical representation of pipeline and defects at footage marks

CCTV Inspection Deliverables:

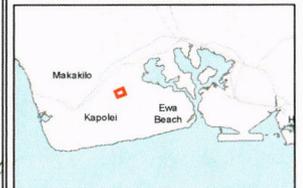
- Video of each CCTV inspection, labeled and indexed in standard City & County of Honolulu format, posted to a secure SharePoint website
- PDF report of each inspection, in standard City & County of Honolulu format, posted to a secure SharePoint website
- Summary spreadsheet of the CCTV inspections, in Microsoft Excel format, posted to a secure SharePoint website

# Kakaina Subdivision

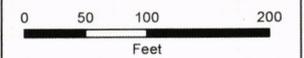
## Legend

- CCH Sewer
- Sewer ID #

## Location Map



Date: 7/21/2021



Prepared by: Dept. of Environmental Services  
City & County of Honolulu  
1000 Ulukouia Street  
Kapolei, Hawaii 98707

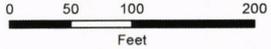
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**Kumuhau Subdivision**

**Legend**

Sewer ID #



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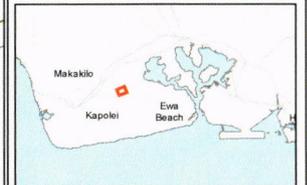
### East Kapolei II Development Increment 2B, Kapolei

### DHHL Sewers Proposed for Transfer to CCH

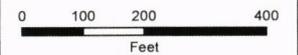
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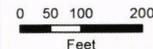
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# KAUPEA SUBDIVISION

## Legend

Sewer ID #



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