

STATE OF HAWAII DEPARTMENT OF HAWAIIAN HOME LANDS 91-5420 Kapolei Parkway, Kapolei, HI. 96707

TECHNICAL SPECIFICATIONS AND

PLANS

FOR

SEWER SPILL RESPONSE FOR OAHU

Island of Oahu, HI.

IFB NO.: IFB-23-HHL-008

January 2023



LOCATION OF WORK:

Papakolea and Kewalo Subdivisions Lower Nanakuli Subdivision Upper Nanakuli Subdivision Nanakuli Series 7 Subdivision, Nanaikapono Princess Kahanu Estates Subdivision, Lualualei Waianae Valley Subdivision

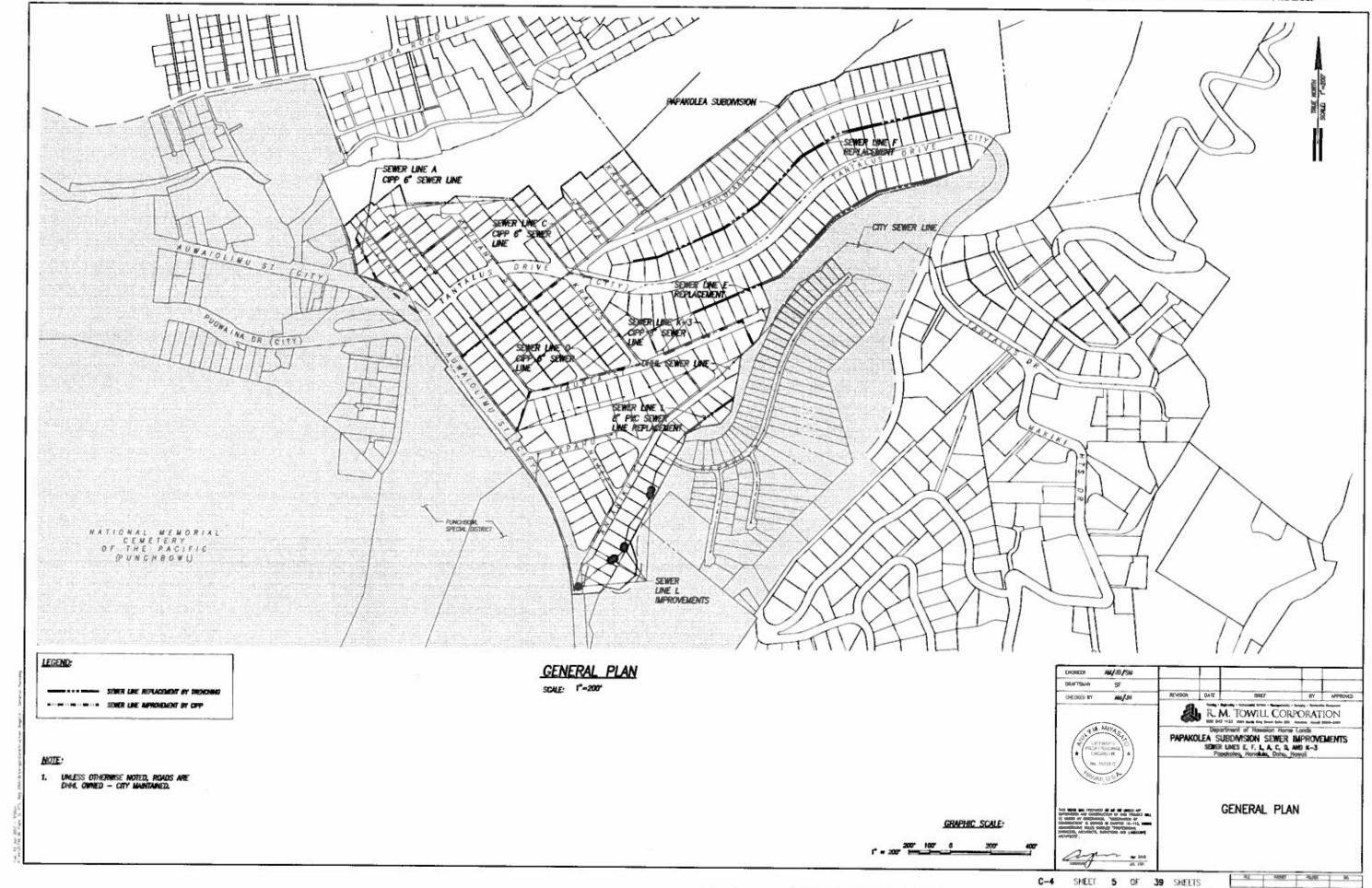
SCOPE OF WORK:

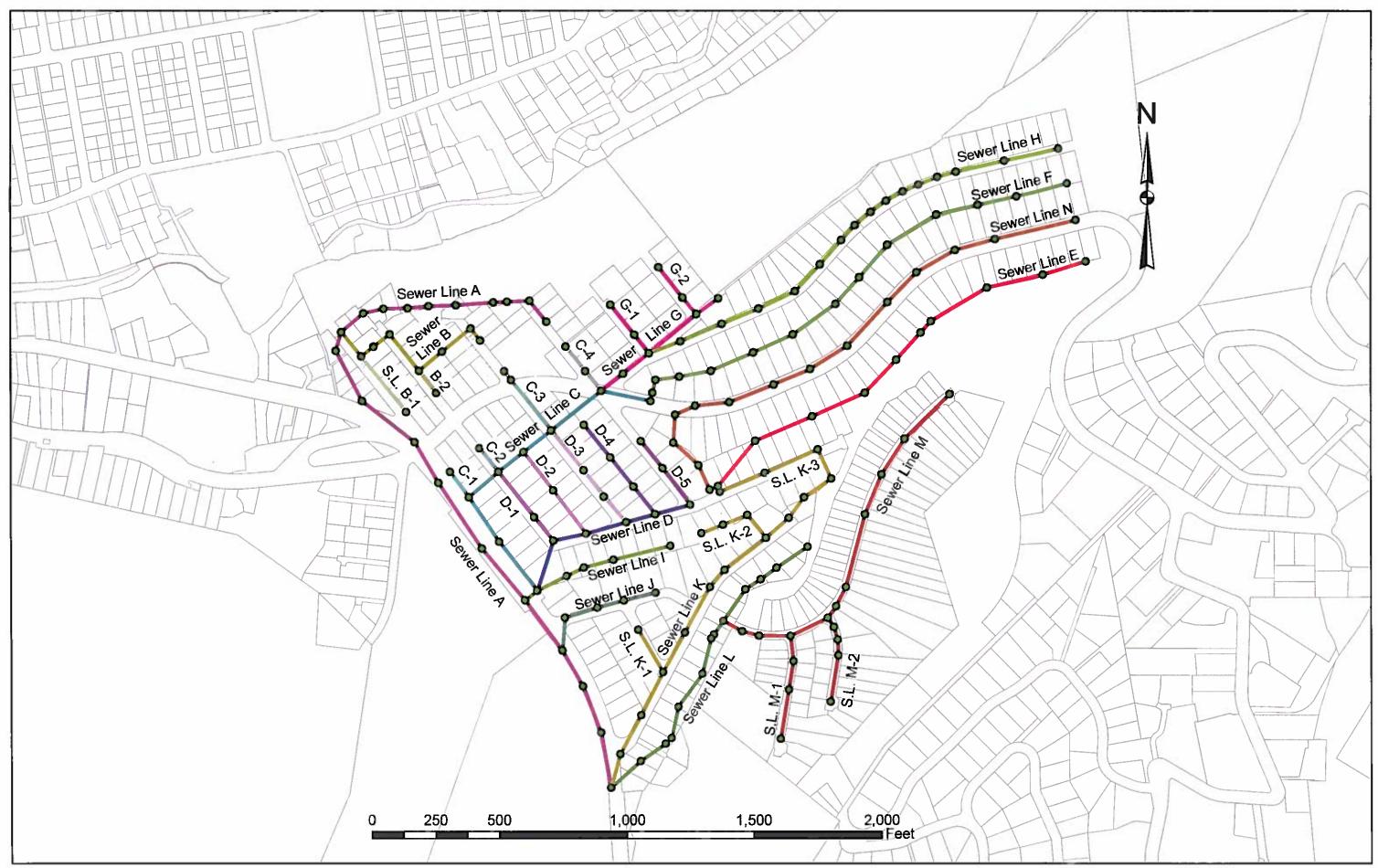
A. The General Contractor shall respond to sewerage spills with a Field Response Team (FRT) in the homestead areas on the Island of Oahu described above, as directed by the Department of Hawaiian Home Lands ("DHHL"). The FRT shall perform spill containment and cleanup of the areas affected by the spills to State Department of Health (SDOH) Protocol Standards and spill response requirements. The FRT must diagnose and contain the problem in a timely manner. At times, the situation may call for minor emergency repairs to contain the spill and follow up reports to the Department of Health and DHHL. General Contractor shall provide DHHL with a repair estimate and obtain approval from DHHL before performing the repair work. Payment for such repairs shall be made out of the Contract allowance amount. General Contractor they must be listed on the bid offer form, page 4.

The General Contractor must also:

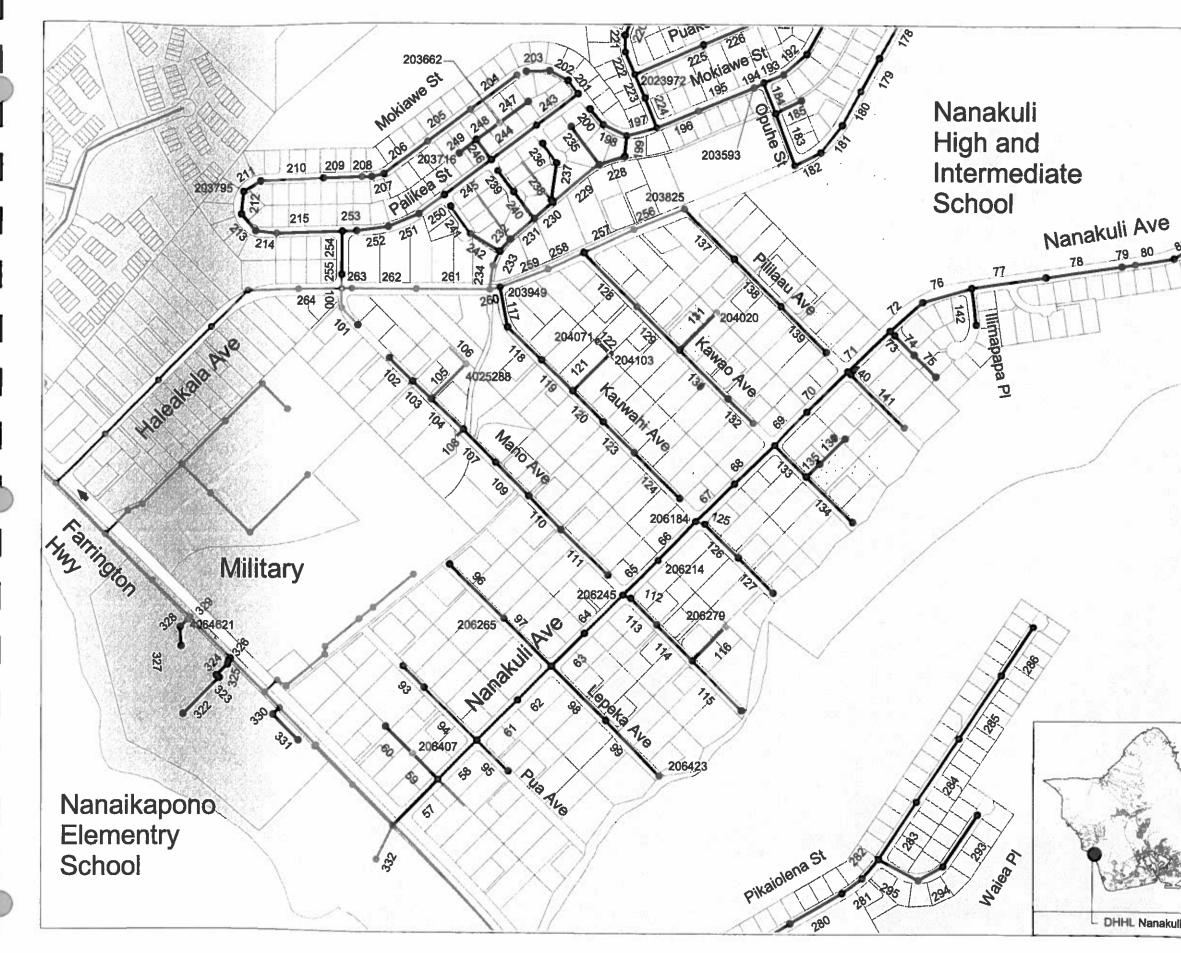
- Maintain familiarity with SDOH spill response requirements.
- Maintain experience in spill containment work.
- Maintain Confined space certification and equipment.
- Provide adequate sewer cleaning equipment in inventory, such as a Vactor truck.
- Provide other sewer cleaning equipment such as root cutters.
- Provide sewer inspection equipment.
- Maintain Pipeline Assessment Certification Program certification (preferred)
- Provide miscellaneous other equipment as necessary to clean, clear and inspect pipelines.
- Be available for 24-hour on call service.
- B. CCTV Inspections: As directed by DHHL, Contractor must perform CCTV Inspections to include the following:
 - Mobilization to the project location
 - CCTV vehicle and equipment for CCTV inspections.
 - NASSCO certified supervisor to perform CCTV inspections
 - CCTV inspection of the sewer lines
 - Documentation of all inspections in a searchable MPEG-s format with each incident logged electronically by footage and video frame location.

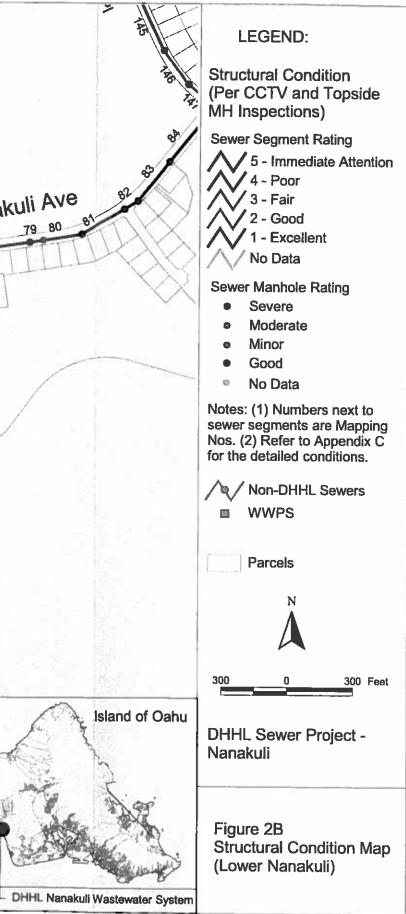
- Documentation of all inspections on NASSCO compliant computer-generated inspection forms with graphical representation of pipeline and defects at footage marks.
- C. CCTV Inspection Deliverables: Contractor must provide a final report consisting of the following:
 - One (1) set of the CCTV inspections labeled and indexed on a USB drive.
 - One (1) PDF file of each inspection, in standard NASSCO PACP format
 - One (1) summary spreadsheet, in Microsoft Excel format, of the CCTV inspections.

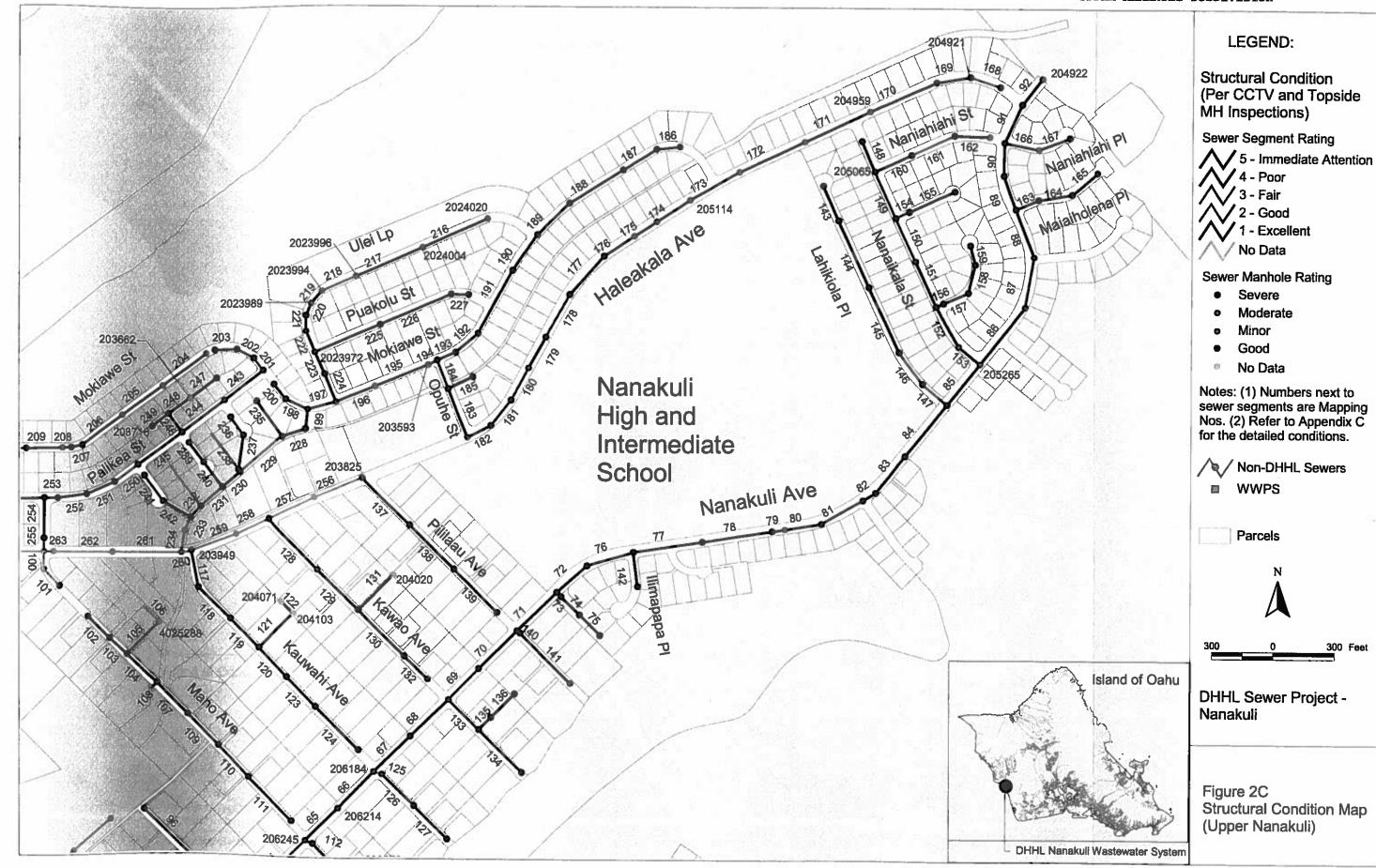


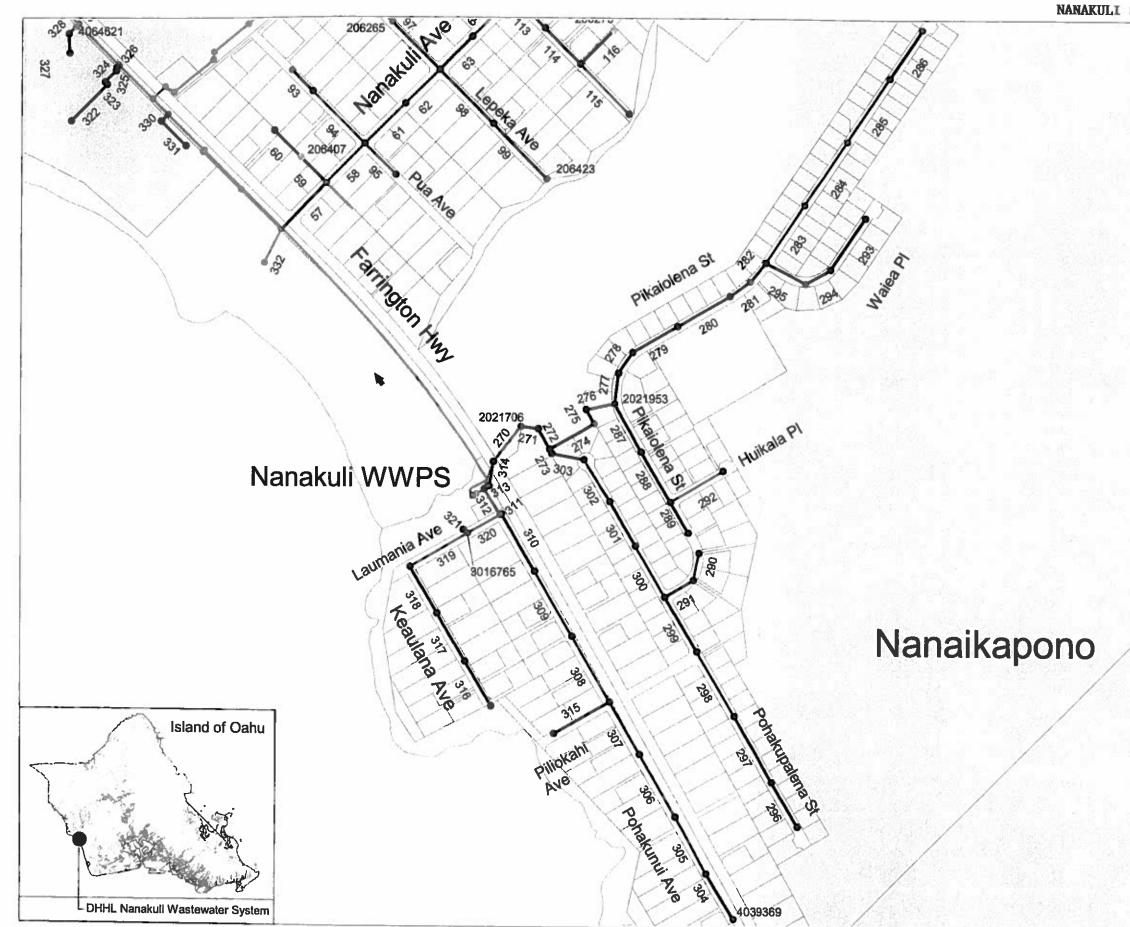


PAPAKOLEA AND KEWALO SUBDIVISION









LEGEND:

Structural Condition (Per CCTV and Topside MH Inspections)

Sewer Segment Rating

5 - Immediate Attention

- 4 Poor
- 3 Fair

/ 2 - Good

1 - Excellent

/ No Data

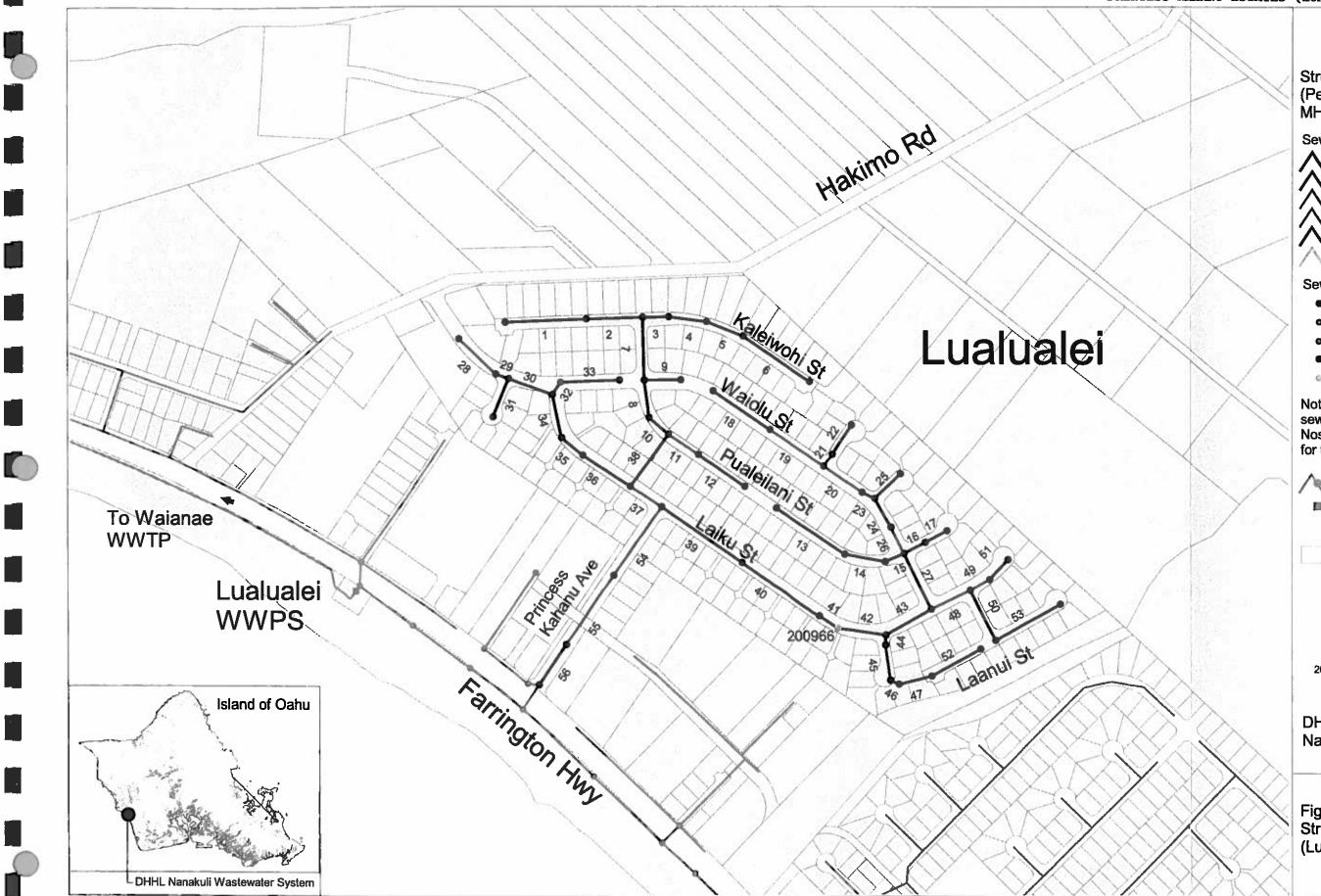
Sewer Manhole Rating

- Severe
- Moderate 0
- Minor 0
- Good •
- No Data 6

Notes: (1) Numbers next to sewer segments are Mapping Nos. (2) Refer to Appendix C for the detailed conditions.

/ Non-DHHL Sewers WWPS Parcels 300 300 Feet DHHL Sewer Project -Nanakuli

Figure 2D Structural Condition Map (Nanaikapono)



LEGEND:

Structural Condition (Per CCTV and Topside MH Inspections)

Sewer Segment Rating

- 5 Immediate Attention
- 4 Poor

V 3 - Fair

2 - Good

1 - Excellent

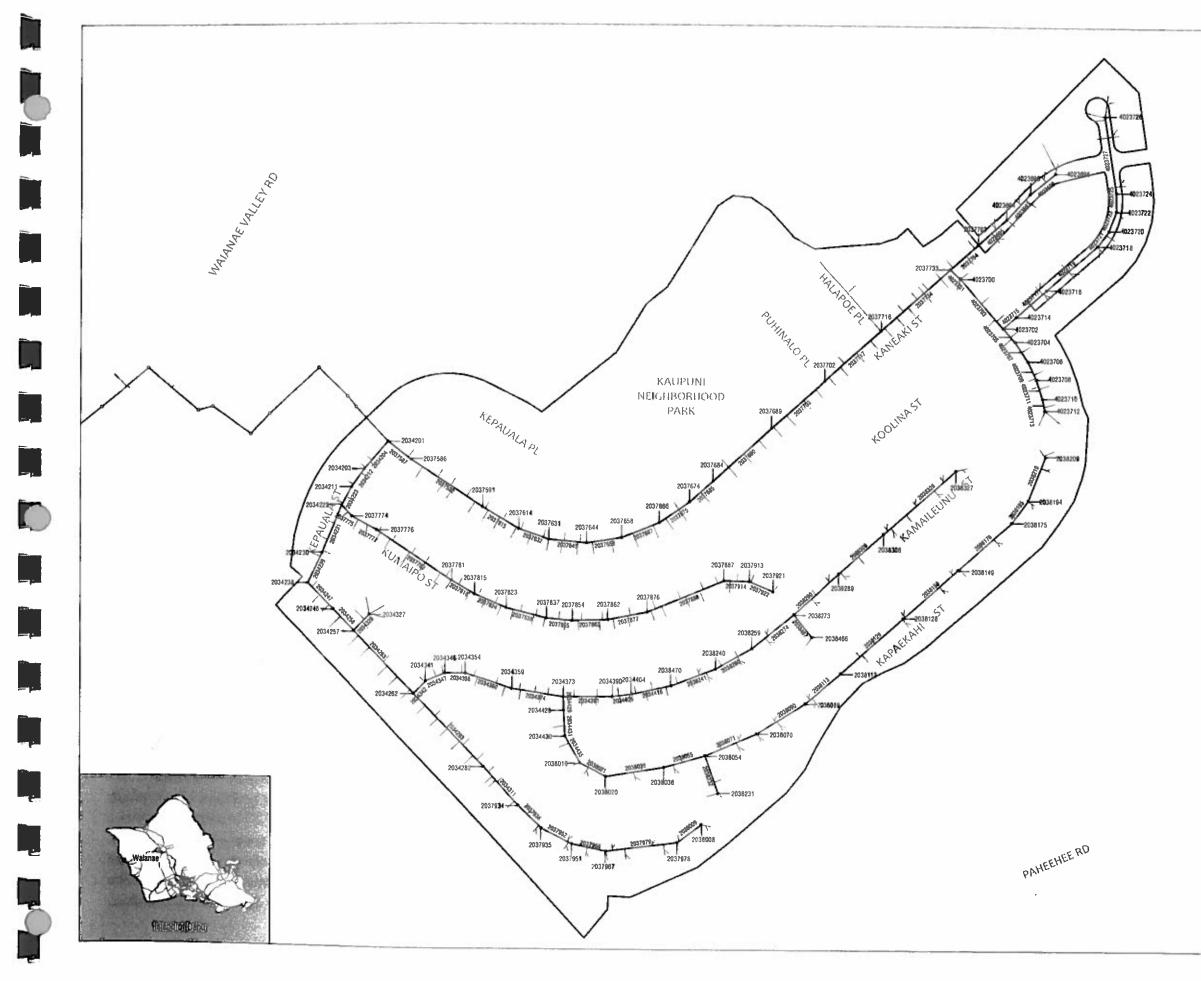
V No Data

Sewer Manhole Rating

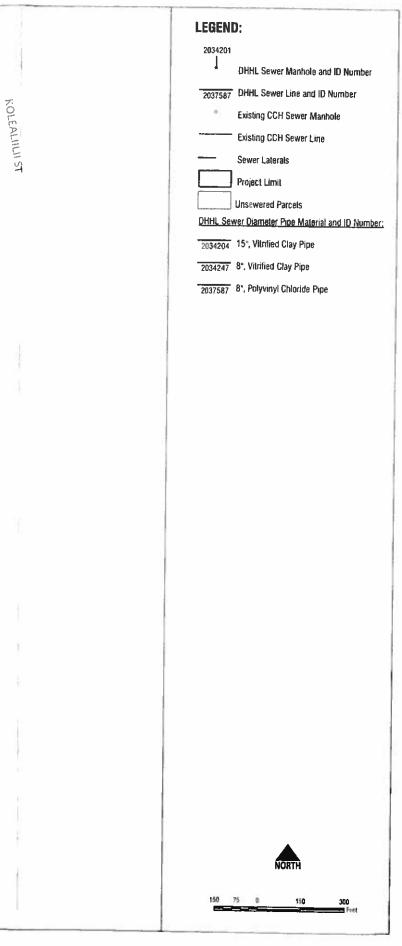
- Severe
- Moderate •
- Minor 0
- Good
- 0 No Data

Notes: (1) Numbers next to sewer segments are Mapping Nos. (2) Refer to Appendix C for the detailed conditions.

Non-DHHL Sewers WWPS Parcels 200 200 Feet DHHL Sewer Project -Nanakuli Figure 2A Structural Condition Map (Lualualei)



Fukunaga & Associates, Inc. Consulting Engineers



DHHL Sewer Project - Waianae Figure 1: Walanae Wastewater System Map