

2024 North King Street
Suite 200
Honolulu Hawaii 96819-3470
Telephone 808 842 1133
Fax 808 842 1937
eMail rmtowill@hawaii.rr.com



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LAND USE COMMISSION
STATE OF HAWAII
2021 JUN 28 A 10:15

June 25, 2021

Mr. Daniel E. Orodener, Executive Officer
State of Hawai'i Land Use Commission (LUC)
Department of Business, Economic Development & Tourism
P.O. Box 2359
Honolulu, Hawai'i 96804-2359

Dear Mr. Orodener:

**2020 Annual Report for LUC Docket No. SP17-409 / Expansion of Honouliuli Wastewater Treatment Plant for Secondary Treatment and Support Facilities
'Ewa, O'ahu, Hawai'i
Tax Map Key: [1] 9-1-069: 003 (por.) and 004**

On behalf of the City and County of Honolulu (CCH), Department of Environmental Services (ENV, Petitioner), the following information summarizes the Petitioner's progress in complying with conditions of State of Hawai'i Land Use Commission (LUC) Docket No. SP17-409, dated December 8, 2017. The LUC conditions are provided below (*in italics*) followed by the Petitioner's response:

1. *Prior to building permit approval for any new structures within the Petition Area or within 180 days of the LUC's Decision and Order, whichever occurs first, Petitioner shall submit to the DPP for review and approval, the following:*
 - a. *A survey map accompanied by a metes and bounds description of the approved SUP area. Both the metes and bounds survey map and description shall be signed and stamped by a registered professional land surveyor. A copy of the map and description shall also be provided to the LUC.*

Progress Report:

A survey map accompanied by a metes and bounds description of the approved SUP area was submitted to the LUC on March 1, 2018.

- b. *A Lighting Plan with catalog cuts showing exterior fixtures are fully shielded and that the level of lighting in lumens is appropriate for its intended use. The Lighting Plan will consider dimming controls or being turned off during off peak hours.*

Progress Report:

A Lighting Plan with catalog cuts showing specifications for exterior fixtures was submitted to CCH, DPP on August 17, 2017.

- c. *A timeline or phasing plan of the anticipated dates to obtain building permit(s) for demolition/construction work shall be prepared by Petitioner in a format acceptable to the DPP. The timeline should identify when the construction management plan, traffic management plan, and updated TIAR will be submitted for review and approval. Updates to the timeline may be required by the DPP as needed.*

Progress Report:

A schedule indicating the anticipated dates to obtain building permit(s) and submit the Construction Management Plan, Traffic Management Plan, and updated TIAR was submitted to DPP on April 20, 2018.

2. *Petitioner shall submit an updated TIAR that includes daily monitoring of hauling and delivery trucks on city roadways around the Petition Area and should be based on the projected staffing of the HWWTP in 2030. The TIAR shall be submitted to the DPP and the DOT for review and acceptance by 2021, with any recommended improvements provided at no cost to the State. Petitioner shall also submit a Construction Management Plan and a Traffic Demand Management Plan to the DPP for review and approval on a schedule acceptable to the DPP.*

Progress Report:

The original project TIAR was submitted to DPP on April 20, 2018. The Construction Management Plan was submitted to DPP on January 30, 2018 and approved by DPP Traffic Review Branch (TRB).

ENV is currently updating the project TIAR to include an assessment of traffic impacts related to the proposed addition 'Ewa Refuse Convenience Center along Geiger Road in the south-east corner of the WWTP site, and to traffic patterns at Verona Villages. ENV will submit the updated TIAR to DOT and TRB when complete.

3. *Petitioner shall apply for a State Land Use District Boundary Amendment for the 25.1-acre expansion area on Parcel 003 and the 2.702-acre Parcel 004 from the State Land Use Agricultural District to the State Land Use Urban District with the LUC within three years of the date of the LUC's Decision and Order approving the SUP. Requests for extension of this deadline shall be submitted to the Planning Commission prior to the expiration of the deadline. The Planning Commission with the approval of the LUC may grant a one-time extension to the deadline of up to three years for a total period of six years after the LUC's Decision and Order granting the SUP for Petitioner to apply for a State Land Use District Boundary Amendment due to unforeseen circumstances that were beyond the control of Petitioner. Concurrently with the filing of the Petition for State Land Use District Boundary Amendment, Petitioner shall file with the LUC a motion to*

amend the Findings of Fact, Conclusions of Law, and Decision and Order issued in Docket No. A88-627 to bifurcate the urbanized portion of TMK: 9-1-069: 003 from the docket.

Progress Report:

On November 6, 2019, the Petitioner filed a petition with the LUC for a State Land Use District Boundary Amendment for the 25.1-acre expansion area on Parcel 003 and the 2.702-acre Parcel 004 from the State Land Use Agricultural District to the State Land Use Urban District and a Motion to Amend Docket No. A88-627. The Petition is assigned Docket No. A19-808. By letter dated December 2, 2019, the LUC requested additional information and clarifications to the petition. The Petitioner is working to complete the requested information and anticipates filing an amended petition in the first half of 2022. Throughout 2020 and 2021, the Petitioner has been working to complete an Environmental Assessment (EA) for the planned addition of a 'Ewa Refuse Convenience Center at the WWTP site and installation of waterline improvements that were not included in the project EIS, but that are located within the petition area. The Draft EA is expected to be published by the end of 2020.

4. *In the event that historic resources, including human skeletal remains, structural remains, cultural deposits, artifacts, sand deposits, or sink holes, are identified during demolition and/or construction activities, all work shall cease in the immediate vicinity of the find, the find shall be protected from additional disturbance, and the SHPD and O'ahu Island Burial Council shall be contacted immediately. Without any limitation to any other condition found herein, if any burials or archaeological or historic sites are discovered during the course of construction within the Petition Area, all construction activity in the vicinity of the discovery shall stop until the issuance of an archaeological clearance from the SHPD that mitigation measures have been implemented to its satisfaction.*

Progress Report:

The Petitioner acknowledges this condition.

5. *Petitioner shall establish the Project by June 1, 2022. Project establishment shall be defined as the date a contractor has mobilized on site and started construction activities within the Petition Area. Requests for extension of this deadline shall be submitted to the Planning Commission prior to the expiration of the deadline. The Planning Commission with the approval of the LUC may grant a one-time extension to the start deadline of up to three years, but not beyond June 1, 2025, due to unforeseen circumstances that were beyond the control of Petitioner.*

Progress Report:

The Petitioner acknowledges this condition.

6. *This SUP will automatically expire and become null and void once a State Land Use District Boundary Amendment to the State Land Use Urban District is approved by the LUC for the Petition Area.*

Progress Report:

The Petitioner acknowledges this condition.

7. *Major modifications to: (1) the approved site plan; (2) amendments to the conditions of approval; (3) change in approved uses stated herein, will be subject to the review and approval of the Planning Commission and if approved, subject to approval by the LUC. Minor modifications, including minor additions or relocations to accessory uses and structures in the approved area, are subject to review and approval by the Director of the DPP.*

Progress Report:

The Petitioner is making the following additional minor modifications to the project site plan, within the petition area:

- The proposed Refuse Base Yard in the south-east corner of the WWTP site was changed to the 'Ewa Refuse Convenience Center;
- The retention basin shape in the Upgrade Phase 2 project was slightly modified; and
- The future driveway connecting to Geiger Road has been removed from the project.

No amendments to the conditions of approval and no changes to the approved uses are proposed. A request for a minor modification to the approved site plan was submitted to the DPP by letter dated 6/19/2021. A copy of the revised site plan is enclosed.

8. *Approval of this SUP does not constitute compliance with other Land Use Ordinance or governmental agencies' requirements, including building permit approval. They are subject to separate review and approval. Petitioner will be responsible for insuring that all final plans for the Project approved under this SUP comply with all applicable governmental agencies' provisions and requirements.*

Progress Report:

The Petitioner acknowledges this condition.

9. *On or before December 31 of each year that the SUP is in effect, Petitioner or its successor will file an Annual Report to the DPP and the LUC that demonstrates Petitioner's compliance with the conditions of the SUP.*

Progress Report:

The Petitioner acknowledges this condition. We apologize for the delay in submitting the Annual Report for 2020. This letter report has been prepared to satisfy this condition. A copy of this report has also been filed with the DPP.

10. *Enforcement of the conditions of the SUP shall be pursuant to the Rules of the Planning Commission, including the issuance of an order to show cause as to the reason the SUP should not be revoked if the Planning Commission has reason to believe that there has been a failure to perform the conditions imposed herein.*

Progress Report:

The Petitioner acknowledges this condition.

11. Petitioner shall enter into an MOA between the DOT, Airport Division, and the DES with respect to aviation and wildlife management requirements to address safety concerns for flight operations at the Daniel K. Inouye International and Kalaeloa Airports. The MOA shall run with the land and shall be recorded, with the Bureau of Conveyances of the State of Hawai'i, and if appropriate, the Office of the Assistant Registrar of the Land Court of the State of Hawai'i.

Progress Report:

The Petitioner completed an avifauna hazard assessment of the facility in 2020 and is continuing to work with DOT Airports Division to comply with this condition. Currently, representatives from the City and County of Honolulu Corporation Counsel and the State Attorney General's office are communicating on this matter.

Should there be any questions regarding this submittal, please contact the undersigned at (808) 842-1133.

Very truly yours,



James Niermann, AICP, LEED AP BD+C
Planning Project Coordinator

Enclosure

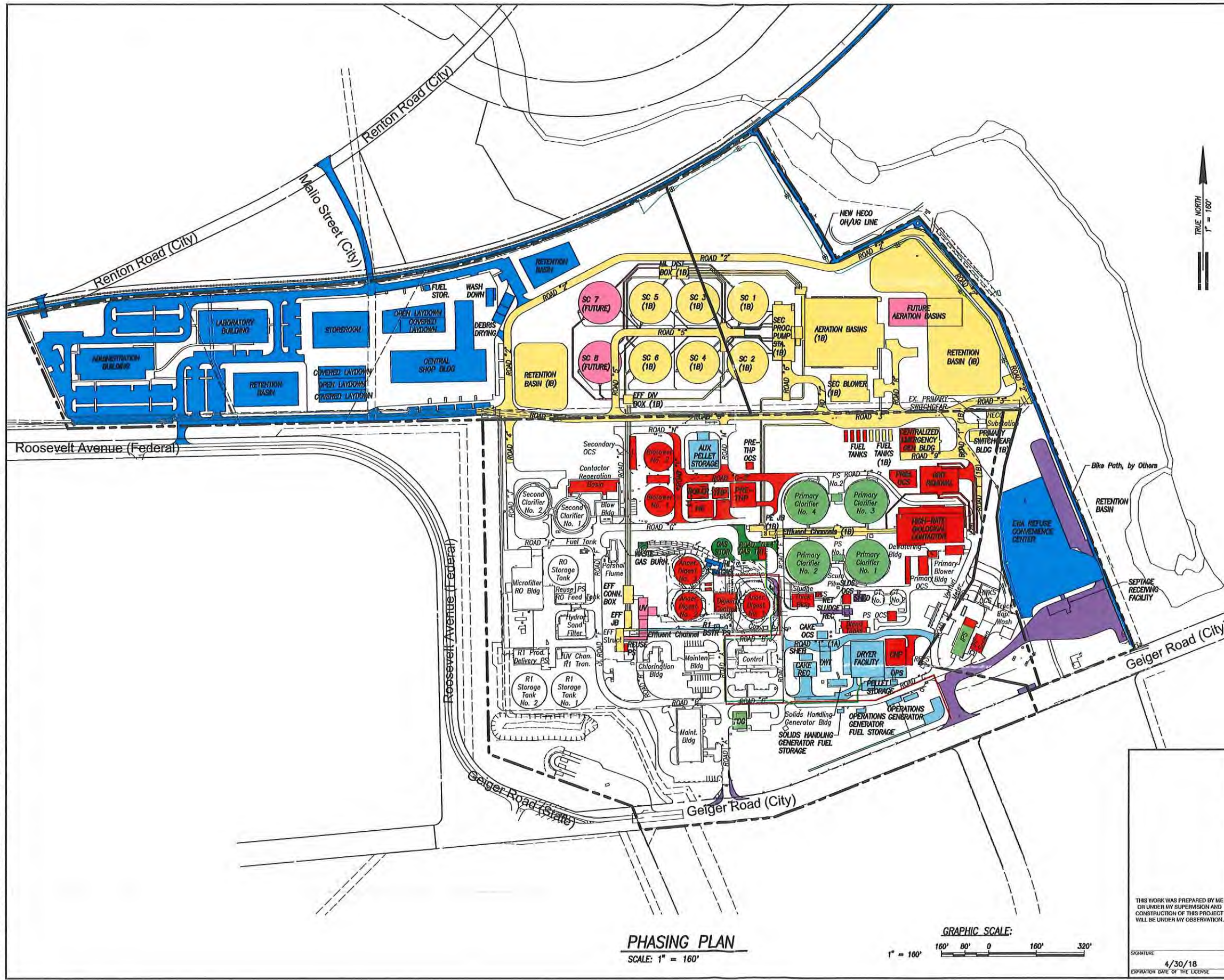
2021 Updated Site Plan for the Honouliuli Wastewater Treatment Plant Secondary Treatment and Support Facilities

JAN/mm:

K:\plan\22440-00 Honouliuli WWTP\DOCS\SPECIAL USE PERMIT\LAND USE COMMISSION\ANNUAL REPORT\210625_HLIWWTP SUP ANNUAL REPORT_to LUC.doc

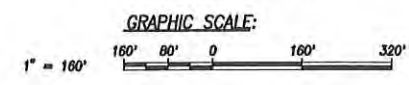
cc: Dean Uchida, Director, CCH DPP
Raj Rath, P.E., CCH ENV
Jaime Nishikawa, P.E., RMTC

Tue, 15 Jun 2021 8:56am
 C:\Vault Workspace\Projects\HLL\WTP\01_PDM\DWG\Construction\DWG\Gen\G20-Phase (UPGRADE) Plan.dwg



- UPGRADE PHASE 2**
1. NEW SEPTAGE RECEIVING FACILITY
 2. NEW WET SLUDGE RECEIVING FACILITY
- PHASE 1A - SECONDARY SOLIDS**
1. NEW DRYER FACILITY
 2. UPGRADE CENTRIFUGES
 3. NEW CAKE RECEIVING FACILITY
 4. NEW CAKE OCS
 5. NEW SOLIDS HANDLING ELECTRICAL BLDG. (SHEB)
 6. NEW DEWATERING BLDG. (DWT)
 7. NEW PELLET STORAGE
 8. NEW AUX PELLET STORAGE
 9. NEW FUEL STORAGE FOR SOLIDS HANDLING GENERATOR
 10. NEW OPERATIONS GENERATOR
 11. NEW FUEL STORAGE FOR OPERATIONS GENERATOR
 12. NEW OPERATIONS BLDG. (OPS)
 13. NEW R1 BOOSTER PUMP STATION
 12. DEMOLISH EFFLUENT CHANNEL, CT 3 & 4, HEAT EXCHANGERS, CHEMICAL STORAGE, SOLIDS OCS, THERMAL CONDITIONING BLDG., DEWATERING BLDG., AND INCINERATOR BLDG.
- PHASE 1B - SECONDARY INCREMENT 1 COMPLIANCE**
1. NEW AERATION BASINS
 2. NEW SECONDARY CLARIFIERS (SC)
 3. NEW SECONDARY BLOWER/ELECTRICAL BLDG.
 4. NEW ML DISTRIBUTION BOX
 5. PRIMARY EFFLUENT CHANNEL / JUNCTION BOX MODIFICATIONS
 6. NEW EFFLUENT DIVISION BOX (EFF DIV BOX)
 7. NEW SECONDARY DUAL EFFLUENT LINES
 8. NEW EFFLUENT CONNECTION BOX (EFF CONN. BOX)
 9. EFFLUENT JUNCTION BOX MODIFICATIONS (EFF JB)
 10. HECO SUBSTATION UPGRADES
 11. NEW CENTRALIZED GENERATOR BLDG. AND FUEL STORAGE
 12. NEW PRIMARY SWITCHGEAR BLDG.
- BIOGAS CLEANING AND STORAGE SYSTEM**
1. NEW GAS TREATMENT FACILITY
 2. NEW DIGESTER GAS STORAGE
 3. NEW WASTE GAS BURNERS
- PHASE 1C - SECONDARY INCREMENT 2**
1. EXPANSION AND UPGRADE OF INFLUENT SCREENING CHANNELS
 2. REHABILITATION OF EX. PRE-AERATION TANKS AND AERATED GRIT CHAMBERS
 3. CONVERT PRE-AERATION BASINS TO NEW HIGH RATE BIOLOGICAL CONTACT FACILITY
 2. NEW 5TH HIGH RATE BIOLOGICAL CONTACT TANK
 3. INSTALL NEW GENERATORS INSIDE CENTRALIZED EMERGENCY GENERATOR BUILDING
 4. NEW GRIT REMOVAL FACILITY
 5. NEW PRIMARY OCS
 6. UPGRADE PRIMARY BLOWER BLDG.
 7. UPGRADE BLEND TANKS
 8. NEW SOLIDS OCS
 9. UPGRADE DIGESTERS
 10. NEW THERMAL HYDROLYSIS FACILITY
 11. NEW HEAT EXCHANGERS, CHILLERS, BOILER BUILDING, DIGESTED SLUDGE STORAGE, GENERATOR AND OCS
 12. NEW COMBINED HEAT AND POWER FACILITY
 13. NEW R3 WATER PUMP STATION
 14. DECOMMISSION BIOTOWER PUMP STATION, BIOTOWERS, CONTACT TANK, SECONDARY OCS, GRAVITY BELT THICKENERS AND OCS
- PHASE 1D - EXPANSION PACKAGE**
1. INFLUENT PUMPING STATION UPGRADES
 2. NEW STRUVE MANAGEMENT
 3. CONVERT PRIMARY CLARIFIERS TO EQUALIZATION TANKS
 4. NEW FOG FACILITY
- LEGEND**
- PHASE 1A (OCT 2018 - JUL 2022)
 - PHASE 1B (DEC 2018 - DEC 2022)
 - BIOGAS FACILITIES (NOV 2022 - NOV 2024)
 - PHASE 1C (JUN 2023 - DEC 2027)
 - PHASE 1D (JUN 2025 - JUN 2028)
 - UPGRADE PHASE 2 (FEB 2019 - DEC 2020)
 - BY OTHERS (JAN 2022 - JAN 2027)
 - PHASE 2 (IF NEEDED)
 - EXISTING HAWAII GAS LINE

PHASING PLAN
 SCALE: 1" = 160'



REVISION	DATE	BRIEF	BY	APPROVED
WASTEWATER DIVISION DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU				
PROJECT: HONOLULU WWTP SECONDARY TREATMENT				
ITEM: PHASING PLAN				
DESIGNED BY:			CHECKED BY:	
DRAWN BY:			SECTION HEAD:	
APPROVED:			BRANCH HEAD:	
DATE: _____				
JOB NO. W#-#-#				
FILE	DRAWN	FILE	FOKRY	FOLDER
SIGNATURE: _____ DATE: 4/30/18 EXPIRATION DATE OF THE LICENSE: _____				