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R. M. TOWILL CORPORATION
SINCE 1930

Planning
Engineering
Environmental Services
Photogrammetry
Surveying
Construction Management

December 31, 2018

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

**2018 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 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, Department of Planning and Permitting (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 TIAR was submitted to DPP on April 20, 2018. The Construction Management Plan was submitted to DPP on January 30, 2018. A copy of the Traffic Demand Management Plan submittal schedule that was approved by DPP Traffic Review Branch is enclosed. The schedule is subject to change.

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:

The Petitioner acknowledges this condition. The Petitioner has initiated work on the petition for a State Land Use District Boundary Amendment for the 25.1-acre expansion area, and on the motion to amend Docket No. A88-627 and anticipates submitting the petition to the LUC in the first quarter of 2019.

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 minor modifications to the project site plan for the relocation of the secondary process pump station and revisions to the layout of non-process support facilities. No amendments to the conditions of approval and no changes to the approved uses are proposed. The Petitioner will prepare and submit a request for a minor modification to DPP. 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. 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.

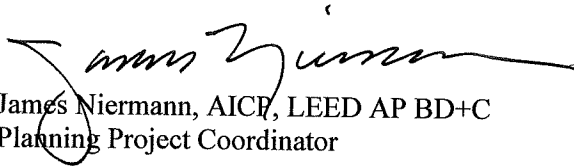
11. *Petitioner shall enter into an MOA between the DOT, Airport Division, and the DES with respect to aviation and wildlife management requirements to address safety concerns for flight operations at the Daniel K. Inouye International and Kalaeloa Airports. The MOA shall run with the land and shall 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:

On behalf of the Petitioner, the R. M. Towill Corporation is currently in communication with Mr. Herman Tuiolosega, Head Planner, DOT, Airports Division regarding an MOA for aviation and wildlife management requirements to address safety concerns for flight operations at the Daniel K. Inouye International Airport and Kalaeloa Airports. The Petitioner will continue to work with DOT Airports Division to comply with this condition.

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

Enclosures

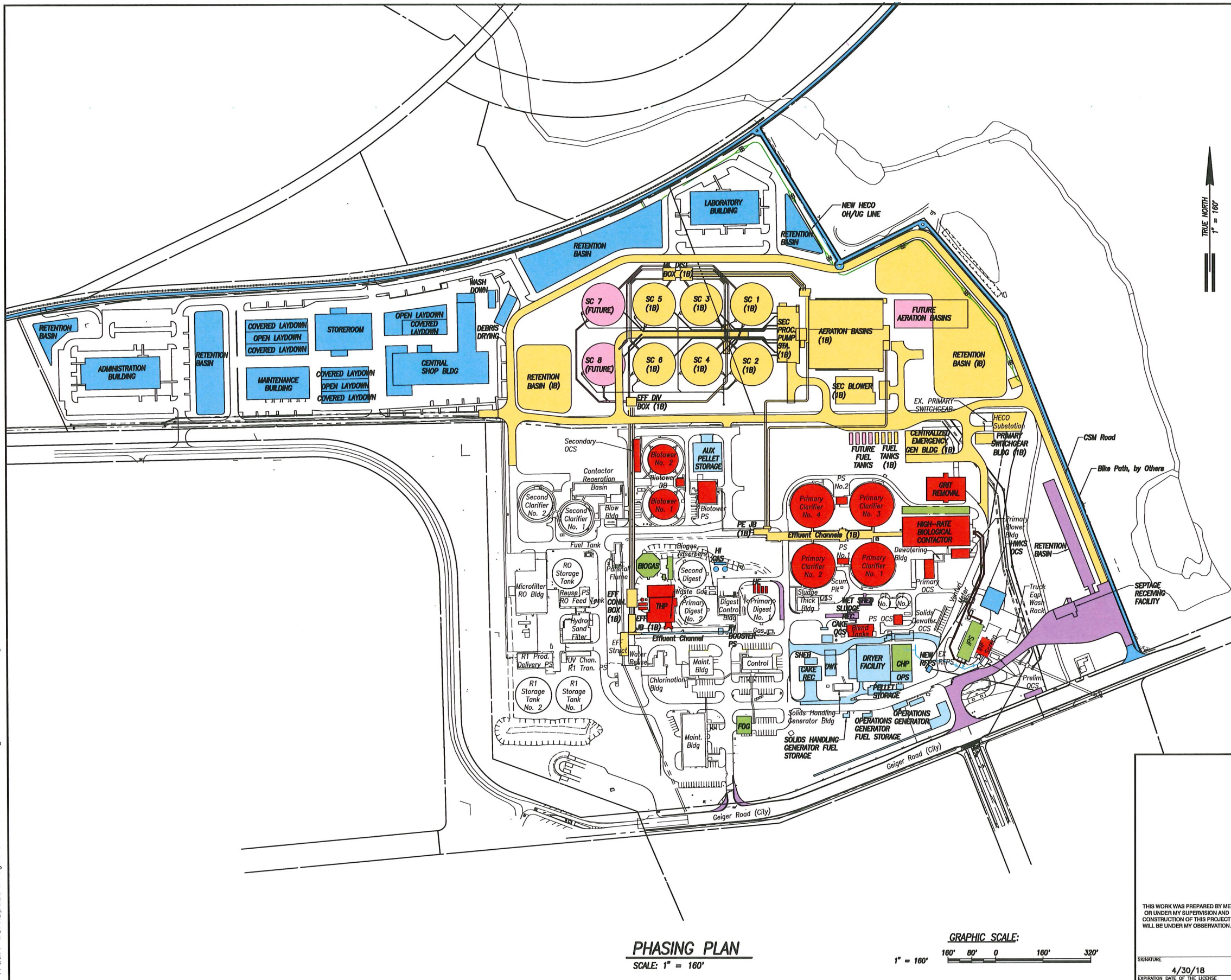
- Revised Site Plan for the Honouliuli Wastewater Treatment Plant Secondary Treatment and Support Facilities
- Honouliuli WWTP Overall Schedule including Traffic Demand Management Plan

JAN/rl:

K:\plan\22440-00 Honouliuli WWTP\DOCS\SPECIAL USE PERMIT\LAND USE COMMISSION\ANNUAL REPORT\181218_HLIJWWTP SUP ANNUAL REPORT_to LUC.doc

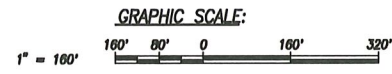
cc: Kathy Sokugawa, Acting Director, CCH DPP
Raj Rath, P.E., CCH ENV
Jaime Nishikawa, P.E., RMTC

Wed, 21 Nov 2018 - 11:13am
C:\Vault\Workspace\Projects\HLI\WTP\01_PDW\Drawings\Construction\Drawings\Gen\G20-Phase (UPGRADE) Plan - ENV Concept.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
 14. DEMOLISH EFFLUENT CHANNEL, GT 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.
- 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 TANKS TO NEW HIGH RATE BIOLOGICAL CONTACT FACILITY
 4. NEW GRIT REMOVAL FACILITY
 5. NEW PRIMARY OCS
 6. UPGRADE PRIMARY BLOWER BLDG.
 7. UPGRADE ROUGHING FILTER
 8. UPGRADE BLEND TANK
 9. CONVERT PRIMARY CLARIFIERS TO EQUALIZATION TANKS
 10. EX. DIGESTER MODIFICATIONS
 11. NEW SOLIDS OCS
 12. NEW THERMAL HYDROLYSIS
 13. NEW BIOWAS STORAGE HANDLING
 14. NEW COMBINED HEAT AND POWER FACILITY
 15. DEMOLISH BIOWATER PUMP STATION, BIOWATER DISTRIBUTION BOX, BIOWATER NO. 1 & 2, AND SECONDARY OCS
- PHASE 1D - EXPANSION PACKAGE**
1. INFLUENT PUMPING STATION UPGRADES
 2. 5TH HIGH RATE BIOLOGICAL CONTACT TANK
 3. REHABILITATE EX. PRIMARY CLARIFIER
 4. NEW STRUVITE MANAGEMENT
 5. NEW FOG FACILITY
- LEGEND**
- PHASE 1A (SEPT 2018 - DEC 2021)
 - PHASE 1B (JAN 2019 - JUL 2022)
 - PHASE 1C (JAN 2022 - JUN 2025)
 - PHASE 1D (JUL 2023 - 2028)
 - UPGRADE PHASE 2 (JUL 2018 - MAR 2020)
 - BY OTHERS
 - PHASE 2 (IF NEEDED)

PHASING PLAN
SCALE: 1" = 160'



REVISION		DATE		BRIEF		BY		APPROVED
WASTEWATER DIVISION DEPARTMENT OF DESIGN AND CONSTRUCTION CITY AND COUNTY OF HONOLULU								
PROJECT: HONOLULULI WWTW SECONDARY TREATMENT								
ITEM: PHASING PLAN								
DESIGNED BY: _____			CHECKED BY: _____					
DRAWN BY: _____			SECTION HEAD: _____					
APPROVED: _____			BRANCH HEAD: _____					
CHIEF			DATE					
JOB NO. W#-##								
FILE	CABINET	DRAWER	FILE	POCKET	FOLDER	NO.		

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
 SIGNATURE: _____ DATE: 4/30/18
 EXPIRATION DATE OF THE LICENSE: _____

ID	Task Name	Duration	Start	Finish	2017				2018				2019				2020				2021				2022				2023				2024				2025				2026											
					Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4												
1	HLIWWTP Overall Schedule	2373 days	Tue 4/18/17	Thu 5/21/26																																																
2	HLIWWTP Upgrade Phase 2 - Wet Sludge and Septage Receiving Facility	697 days	Thu 6/8/17	Fri 2/7/20																																																
3	Building Permit	184 days	Thu 6/8/17	Tue 2/20/18																																																
4	Construction Plans (TRB) Review/Approval	154 days	Fri 7/28/17	Wed 2/28/18																																																
5	TIAR Updated (DRAFT) Submitted	0 days	Thu 11/30/17	Thu 11/30/17	◆ 11/30																																															
6	Construction Management Plan (CMP) Draft Submitted	0 days	Tue 1/30/18	Tue 1/30/18	◆ 1/30																																															
7	Bid Advertise	0 days	Thu 2/1/18	Thu 2/1/18	◆ 2/1																																															
8	Bid Open	61 days	Thu 2/1/18	Thu 4/26/18																																																
9	Construction NTP	0 days	Fri 8/17/18	Fri 8/17/18	◆ 8/17																																															
10	Construction Complete	540 days	Fri 8/17/18	Fri 2/7/20																																																
11	HLIWWTP PH1A - Sludge Drying	1164 days	Tue 4/18/17	Fri 10/1/21																																																
12	Building Permit	169 days	Tue 4/18/17	Fri 12/8/17																																																
13	Bid advertise	0 days	Fri 2/2/18	Fri 2/2/18	◆ 2/2																																															
14	Bid Open	63 days	Fri 2/2/18	Thu 4/5/18																																																
15	Construction NTP	0 days	Tue 10/2/18	Tue 10/2/18	◆ 10/2																																															
16	Construction Complete	1095 days	Wed 10/3/18	Fri 10/1/21																																																
17	HLIWWTP PH1B - Secondary Compliance	1655 days	Mon 1/29/18	Fri 5/31/24																																																
18	Building Permit	60 days	Mon 1/29/18	Thu 3/29/18																																																
19	Bid Advertise	0 days	Wed 7/25/18	Wed 7/25/18	◆ 7/25																																															
20	Bid Open	0 days	Fri 10/19/18	Fri 10/19/18	◆ 10/19																																															
21	Construction NTP	0 days	Fri 12/28/18	Fri 12/28/18	◆ 12/28																																															
22	Construction Complete	1977 days	Wed 1/2/19	Fri 5/31/24																																																
23	HLIWWTP PH1C - SECONDARY INCREMENT 2 PKG (SCREENING, HRBC, CHP, THP, GRIT)	1451 days	Fri 10/2/20	Fri 4/24/26																																																
24	Building Permit	180 days	Fri 10/2/20	Tue 3/30/21																																																
25	Bid Advertise	0 days	Mon 7/26/21	Mon 7/26/21	◆ 7/26																																															
26	Bid Open	92 days	Mon 7/26/21	Mon 10/25/21																																																
27	Construction NTP	182 days	Tue 10/26/21	Mon 4/25/22																																																
28	Construction Complete	1460 days	Tue 4/26/22	Fri 4/24/26																																																
29	HLIWWTP PH1D - INCREMENT 3 PKG (IPS, FOG, Struvite, Geiger Road Frontage Improvements - wall, sidewalk, landscape)	1128 days	Tue 1/25/22	Thu 5/21/26																																																
30	Building Permit	179 days	Tue 1/25/22	Fri 7/22/22																																																
31	Bid Advertise	0 days	Tue 9/20/22	Tue 9/20/22	◆ 9/20																																															
32	Bid Open	62 days	Wed 9/21/22	Mon 11/21/22																																																
33	Construction NTP	0 days	Mon 5/22/23	Mon 5/22/23	◆ 5/22																																															
34	TMP/TDM Draft Submitted	0 days	Fri 1/30/26	Fri 1/30/26	◆ 1/30																																															
35	Construction (Inclusive of Sidewalk/Frontage Improvements) Complete	1095 days	Tue 5/23/23	Thu 5/21/26																																																
36	Honouliuli WWTP ENV Support Facilities (Non-Process Support Facilities, Geiger, Roosevelt, Renton, Driveway Improvements) - BY OTHERS																																																			
37	Kapolei Parkway/Geiger Road Intersection Improvements - BY OTHERS																																																			

Project: HLIWWTP Overall Schedu Date: Fri 3/16/18	Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only	
	Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline	
	Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	