

**THE THIRTIETH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES**

Type of Grant Request:

Operating Capital

Legal Name of Requesting Organization or Individual: Db:

Hui Mālama O Ke Kai Foundation

Amount of State Funds Requested: \$ 120,000.00

Brief Description of Request (Please attach word document to back of page if extra space is needed):

These funds will support flood remediation construction including erosion and sediment control. Waimānalo suffered extensive damage and debris during severe flooding in April 2018. As it straddles a stream and sits on a plain in the heart of Waimānalo, HMK was severely impacted and remains vulnerable. According to scenarios projected by Surging Seas Risk Finder based on a NOAA Technical Report for the 2018 US National Climate Assessment, there is a 100% risk of at least one flood over 2 ft. taking place between today and 2050 in the Waimānalo area.

Amount of Other Funds Available:

State: \$ 0

Federal: \$ 0

County: \$ 0

Private/Other: \$ 0

Total amount of State Grants Received in the Past 5 Fiscal Years:

\$ 239,940

Unrestricted Assets:

\$ 31,489.29

New Service (Presently Does Not Exist): Existing Service (Presently in Operation):

Type of Business Entity:

- 501(C)(3) Non Profit Corporation
 Other Non Profit
 Other

Mailing Address:

41-477 Hihimanu Street

City:

Waimānalo

State:

HI

Zip:

96795

Contact Person for Matters Involving this Application

Name:
Mailelailii Vickery

Title:
Executive Director

Email:
mailelailii@huimalamaoekai.org

Phone:
808 256-9774

Federal Tax ID#:

██████████

State Tax ID#

██████████

Mailelailii Vickery
Mailelailii Vickery (Jan 21, 2022, 14:57 PST)

Authorized Signature

Mailelailii Vickery, Executive Director

Name and Title

01/21/2022

Date Signed

Application Submittal Checklist

The following items are required for submittal of the grant application. Please verify and check off that the items have been included in the application packet.

- 1) Certificate of Good Standing (If the Applicant is an Organization)
- 2) Declaration Statement
- 3) Verify that grant shall be used for a public purpose
- 4) Background and Summary
- 5) Service Summary and Outcomes
- 6) Budget
 - a) Budget request by source of funds ([Link](#))
 - b) Personnel salaries and wages ([Link](#))
 - c) Equipment and motor vehicles ([Link](#))
 - d) Capital project details ([Link](#))
 - e) Government contracts, grants, and grants in aid ([Link](#))
- 7) Experience and Capability
- 8) Personnel: Project Organization and Staffing

Maileaulii Vickery
Maileaulii Vickery (Jan 21, 2022 14:56 HST)

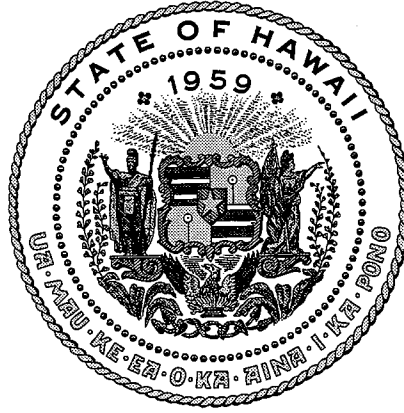
AUTHORIZED SIGNATURE

MAILELAULII VICKERY, EXECUTIVE DIR.

PRINT NAME AND TITLE

JANUARY 21, 2022

DATE



Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

HUI MALAMA O KE KAI FOUNDATION

was incorporated under the laws of Hawaii on 07/14/2002 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: December 12, 2021

Director of Commerce and Consumer Affairs

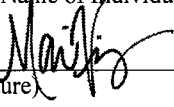
**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII REVISIED STATUTES**

The undersigned authorized representative of the applicant certifies the following:

- 1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;
 - b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
 - c) Agrees not to use state funds for entertainment or lobbying activities; and
 - d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.
- 2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is incorporated under the laws of the State; and
 - b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided.
- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and
 - b) Has a governing board whose members have no material conflict of interest and serve without compensation.

Pursuant to Section 42F-103, Hawaii Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

Hui Mālama O Ke Kai Foundation	
<hr/>	
(Typed Name of Individual or Organization)	
	01/19/2022
<hr/>	<hr/>
(Signature)	(Date)
Mailelauli'i Vickery	Executive Director
<hr/>	<hr/>
(Typed Name)	(Title)

Application for Grants

If any item is not applicable to the request, the applicant should enter "not applicable".

I. Certification – Please attach immediately after cover page

1. Certificate of Good Standing (If the Applicant is an Organization)

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2021.

2. Declaration Statement

The applicant shall submit a declaration statement affirming its compliance with Section 42F-103, Hawaii Revised Statutes.

3. Public Purpose

The applicant shall specify whether the grant will be used for a public purpose pursuant to Section 42F-102, Hawaii Revised Statutes.

This grant will be used for a public purpose pursuant to Section 42F-102, Hawaii Revised Statutes.

II. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Please include the following:

1. A brief description of the applicant's background;

The Hui Mālama O Ke Kai Foundation (HMK) was created as a grass-roots effort in 1998 by volunteer community members of Waimānalo, Hawaii who were concerned about specific Keiki (in this case Native Hawaiian children in the 5th & 6th grades) being without supervision in the after-school hours and the need for positive extracurricular activities and ocean safety skills.

Today, through community-based partnerships, and with the support of private, state, and federal funding, HMK delivers youth, family, and community development programs that are culturally grounded. The HMK system of programs currently consists of the Keiki After-school Youth Development Program (5th & 6th grades), the `Ōpio After-school Leadership Program (7th through 12th grades), and the `Ohana/Kaiāulu Family Strengthening/Community Building Programs. This comprehensive system provides

over twenty-five hours per week of intensive programming at no cost to 45-50 participating families. HMK's programs are vital to the well-being of the Waimānalo community.

In response to urgent community needs induced by the pandemic, in 2019 HMK began a weekly food and supplies drive-through and the E `Ai Kākou community-based food resilience program. HMK has served 400 unduplicated individuals from over 100 households through these programs.

In summer 2021, HMK launched a pilot program in collaboration with Mālama Honua Public Charter School, Kailua High School, and Windward Community College (WCC). The Pathway Program follows the WCC model of dual enrollment in which 8th-12th grade students receive high school and college credit and are taught by college professors. The curriculum dovetails with HMK's place-based curriculum in that it focuses on the Natural Resources Hawaiian Studies Pathway that teaches students indigenous resource management and food production, as well as more conventional subjects. Preference will be given to youth who are from Waimānalo but new to HMK. This is an excellent way to put students on the fast track to enhanced academic and career readiness.

2. The goals and objectives related to the request;

Overall Goal: To build the capacity within the Waimanālo community to cultivate the development (social/emotional, physical, and educational) of participating youth and to strengthen families and the larger community through innovative, culturally grounded, and evidence-based strategies.

Objective 1: Strengthen positive personal development and knowledge of Native Hawaiian culture, language, and practices in participating youth.

Objective 2: Improve the health of participating youth through the promotion of ocean-based and `āina (land)-based physical fitness activities and nutritional practices.

Objective 3: Strengthen the academic development and achievement of participating youth through providing high-quality academic support activities.

Objective 4: Support the college/career readiness of participating youth through providing exposure to `āina-based careers and majors and providing them with essential information about college.

3. The public purpose and need to be served;

In Hawaii, over 33% of youth are responsible for taking care of themselves after school (www.afterschoolalliance.org), and the average cost of basic after-school childcare is \$8,840/year (National Association of Child Care Resource and Referral - NACCRR). In

a recent report from the Afterschool Alliance: *After-school Programs: Making a Difference in America's Communities by Improving Academic Achievement, Keeping Kids Safe and Helping Working Families*, researchers found that:

- As little as 45 minutes of focused academic instruction after-school resulted in a statistically significant increase in students' math scores;
- Elementary students attending after-school programs improved their regular school day attendance and reported higher aspirations regarding finishing school and going to college;
- Participation in after-school programs reduces the propensity to begin drug use among youth by nearly 50% and reduces the likelihood of skipping school by half;
- Effective after-school programs save between \$1.87 to \$5.29 for every \$1 spent because participants commit fewer crimes; and
- The prevalence of obesity was significantly lower for after-school program participants as compared to non-participants.

Furthermore, according to Kamehameha Schools (the leading authority on Native Hawaiian educational attainment), Native Hawaiian students whose cultural self-esteem is supported regularly score above Native Hawaiian students who receive no similar cultural support (*Culture-Based Education - Its Relationship to Student Outcomes*, KS 2010).

Hui Mālama O Ke Kai supports the Native Hawaiian community of Waimānalo. Cultural and historical realities present this large population of Native Hawaiians with multiple challenges in the areas of educational achievement, economic/employment opportunity, socio-emotional development, and issues of health/well-being:

- The unemployment rate for Native Hawaiians in the State of Hawaii across multiple years has remained double or nearly double that of other ethnic groups. (U.S. Census Bureau, American Community Survey <http://www.census.gov/programs-surveys/acs/>).
- The median household and family income for Native Hawaiians lags that of non-Hawaiian households and families. (U.S. Census Bureau, American Community Survey <http://www.census.gov/programs-surveys/acs/>).
- Native Hawaiians have the highest percentages of risk behaviors over all other ethnicities in the State of Hawaii including tobacco use, drug use and alcohol abuse. (Hawaii State Department of Health – www.health.hawaii.gov).
- The combined prevalence of overweight and obesity in Native Hawaiians, diseases which are causally linked to low social, economic and educational status, is nearly twice that of the national average. (King, McNeely, Thorpe, Mau, Ko, Liu, Sun, Hsu & Chow. 2012).

The most recent U.S. Census (www.census.gov) findings focusing explicitly on Waimānalo are also in line with the above data:

- The proportion of families living in poverty (32%) is five times higher than the state average (6%).
- Only 11% of residents have a 4-year college degree, which is half of the statewide rate (22%). The percentage of children (4-18 yrs.) who are “at risk” is double that of the state figure, while child abuse and neglect rates are nearly twice that of the state average.
- More than twice as many households receive Supplemental Nutrition Assistance Program benefits compared to the state average.
- The community’s DOE primary schools are categorized as high-poverty schools with 71% of Blanche Pope Elementary School students and 65% of Waimānalo Elementary & Intermediate School students eligible for free lunch as compared to the state average of 38%. Serving majority Native Hawaiian populations, these area schools also lag state averages across multiple indicators such as performance in language arts, math, and science. The digital divide is also of concern, particularly during the pandemic. At Blanche Pope Elementary, for example, 26% of students lack internet access (www.hawaiipublicschools.org, www.publicschoolreview.com).

Finally, Waimānalo’s Native Hawaiian children are far behind in the pursuit of higher education. Lack of parental involvement in school districts with high Native Hawaiian populations has been documented in multiple Hawaii State School Performance Reports (www.hawaiipublicschools.org) as a contributing factor in overall poor student performance on tests and in the classroom, particularly in grades 11 and 12. In addition, elevated high school drop-out rates have led to unprecedented unemployment for youth age 16-24 in Hawaii which is more than double the average national rate of unemployment (Center for American Progress – www.americanprogress.org).

4. Describe the target population to be served; and

Hui Mālama O Ke Kai serves youth and families in the Native Hawaiian community of Waimānalo. Waimānalo contains one of the 34 sites in the State of Hawaii designated as “Hawaiian Home Lands” (Department of Hawaiian Home Lands – www.dhhl.hawaii.gov). According to the most recent U.S. Census estimates (www.census.gov), 70% of the population of Waimānalo identify themselves as Native Hawaiian or other Pacific Islander establishing Waimānalo as having the highest ratio of Native Hawaiians on the island of Oahu.

In the 2021-2022 program year, well over 100 of Waimānalo’s children and families are receiving intensive HMK after-school youth development and family strengthening programming. Throughout the year an average of 40-45 (unduplicated) primarily Native Hawaiian, “at-risk/at-promise” 5th and 6th grade students from Blanche Pope and Waimānalo Elementary schools, two of the most “high need” schools in the state, as well as the Mālama Honua Public Charter School are enrolled in the foundation-building HMK *Keiki* Program. An average of 15 students (unduplicated) in 7th to 12th grades are served in the HMK `Ōpio Leadership Program for continued, intensive and individualized after-school activities. Preference in each program is given to the most at-risk/at-promise youth and adolescents as well as continuing students. They are

identified and carefully screened by school counselors and teachers. As family strengthening is a key part of HMK's approach, HMK Keiki, `Ōpio, and `Ohana/Kaiāulu, families and community members are also able to participate in HMK `Ohana Family Strengthening/Cultural Community Building workshops, classes, and projects.

5. Describe the geographic coverage.

Waimānalo, Oahu.

III. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant's approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

1. Describe the scope of work, tasks and responsibilities;

Waimānalo suffered extensive damage and debris during severe flooding in April 2018. As it straddles a stream and sits on a plain in the heart of Waimānalo, HMK was severely impacted. While the extensive damage and debris have since been addressed, the site at 41-477 Hihimanu Street remains vulnerable. According to scenarios projected by Surging Seas Risk Finder based on a NOAA Technical Report for the 2018 US National Climate Assessment, there is a 100% risk of at least one flood over 2 ft. taking place between today and 2050 in the Waimānalo area. In view of past experience and projected risks, HMK has developed plans to upgrade its campus, hardening infrastructure to reduce potential damage from future floods.

Flood remediation plans prepared by engineering and landscape architects Okahara and Associates, Inc. includes upgrades to HMK's driveway and parking lot, as well as an erosion and sediment control plan. The proposed work entails grading, a new gravel area to provide a smooth connection to the existing parking area, a new asphalt concrete driveway to provide a smooth connection to the existing asphalt concrete pavement, new cement rubble masonry (CRM) walls, and improved drainage from the driveway and parking lot.

As part of an erosion and sediment control plan, Okahara and Associates proposes to install a compost biofilter sock perimeter control and sediment barrier. The compost biofilter socks will help to absorb and control water runoff, while also improving the water quality of the adjacent stream and removing pollutants that could pose a hazard to HMK's staff, students, and garden area. Sediment from stormwater runoff is the leading pollutant of surface waters in the United States; however, under stable soil conditions nearly 80% of stormwater pollutants can be in soluble or dissolved forms (Berg and Carter 1980). Typical stormwater runoff pollutants include sediment, nutrients, harmful bacteria, heavy metals, and petroleum hydrocarbons.

*** Please refer to “Hui Mālama O Ke Kai Flood Remediation” plan and architectural drawings from Okahara and Associates, Inc. ***

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service;

Site Preparation, July 2022

- Set up plan and adjust specifications as needed.

Construction, Aug. 2022-Jan. 2023

- Install storm drain inlet protection and perimeter control (filter socks)
- Relocate, reconstruct, and maintain BMPs (e.g. to prevent, reduce, or eliminate the discharge of pollutants) as needed, to ensure their effectiveness. Initiate temporary stabilization immediately once grading is completed.
- Initiate stabilization of steep slopes (>15%), with hydroseeding as soon as grading is completed on those areas. Hydroseeding is a process where seed and any combination of fertilizer, lime, bio-stimulants, moisture retention polymers, tackifiers, and other additives are combined with water and a hydroseeding mulch to form a slurry that is sprayed onto the ground to establish vegetation and control erosion.
- Proceed with construction with least possible disturbance of vegetative areas and temporary structures.
- Plant permanent ground cover as soon as possible.
- Remove or dismantle temporary erosion control structures after full establishment of permanent vegetative cover.
- Practice good housekeeping measures throughout the duration of the construction.
- Inspections shall be performed once every seven days by the Erosion and Sediment Control Plan (ESCP) coordinator.

Site Acceptance, February 2023

- Quality inspection: review delivered infrastructure against plan developed by engineering and landscape architects Okahara and Associates, Inc.

Dedication Ceremony, May 2021

- Dedication ceremony with community and funders (pending COVID situation).

3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results; and

This capital project will be monitored through daily/weekly/monthly visual inspection of the building site and through weekly and monthly reports by the general contractor. Inspections shall be performed once every seven days by the Erosion and Sediment Control Plan (ESCP) coordinator. Once completed, the project will undergo a formal acceptance procedure during which a final visual inspection will be conducted and the final product will be compared against the specifications received from the general contractor and the plan developed by engineering and landscape architects Okahara

and Associates, Inc. Quality assurance guidelines are further detailed in the following notes in “Hui Mālama O Ke Kai Flood Remediation” plan and architectural drawings from Okahara and Associates, Inc.:

- General Construction Notes, p. 2
 - Grading Notes, p. 2
 - Erosion Prevention/Sediment Control Notes, p. 7
 - Good Housekeeping Best Management Practice (BMPs), p. 7
4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.

The effectiveness of the use of grant funds will be monitored through two types of measures: 1) completion of major construction milestones as scheduled; and 2) confirmation of adherence to a list of Best Management Practices by the Erosion and Sediment Control Plan (ESCP) coordinator and contractor.

Specific milestones are:

1. Erosion and Sediment Control:
 - Installation of storm drain inlet protection and perimeter control (filter socks) complete.
 - Slope stabilization, including hydroseeding and establishment of vegetation, complete.
 - Permanent ground cover established.
2. Parking Area and Driveway:
 - Grading complete.
 - Asphalt concrete driveway complete.
 - Cement rubble masonry walls complete.
3. Total project complete (handover).

IV. Financial

Budget

1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.

- a. Budget request by source of funds (Link)
- b. Personnel salaries and wages (Link)
- c. Equipment and motor vehicles (Link)
- d. Capital project details (Link)
- e. Government contracts, grants, and grants in aid (Link)

2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2023.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
0	0	\$40,000	\$80,000	\$120,000

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2023.

Potential sources of capital funding related to this flood remediation project:

- William G. Irwin Charitable Foundation
- Strong Foundation
- Bank of Hawaii Foundation
- Castle Foundation

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable.

Not applicable

5. The applicant shall provide a listing of all federal, state, and county government contracts, grants, and grants in aid it has been granted within the prior three years and will be receiving for fiscal year 2023 for program funding.

- OHA – \$39,170
- NHEP awarded 2017-2019 – \$1,769,022
- GIA city:
 - 10/01/2021-09/30/2022 – \$124,540
 - 10/01/2020-09/30/2021 – \$124,817
 - 10/01/2017-03/31/2019 (6 month no cost extension) – \$124,913

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2021.

\$ 31,489.29

V. Experience and Capability

1. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

The Hui Mālama O Ke Kai Foundation (HMK) is a highly successful and truly grassroots, community-based non-profit organization, created in 1998. Over the last 15 years, HMK has successfully managed over 40 separate private, state and federal grants/contracts with an approximate value of over 6 million dollars, contracting with external auditors [since 2008] to assure fully transparent accounting practices and compliance with GAAP.

In 2008, HMK assumed full responsibility for the after-school program (then 5th/6th grades only) from the University of Hawai'i. Since this transition, HMK has significantly evolved to meet the community's needs by:

- Increasing overall programs participation by nearly 5x (from 20 students and families/year to over 100).
- Designing and implementing the `Ōpio Leadership Program in 2008 for 7th-12th graders and the `Ohana Family Strengthening Program in 2012.
- Developing and implementing a unique place-based Hawaiian cultural curriculum: E Kūkulu I Nā Alaka`i Hawai`i.
- Further developing a comprehensive evaluation system that contributed to HMK being 1 of 5 programs selected to participate in a culturally appropriate Native Hawaiian Education Council (NHEC) indicators study.

In terms of capacity building, HMK has also: a) developed a competent governing board of directors, a majority of whom are of native Hawaiian ancestry and are respected members of the Waimānalo community; b) maintained high quality organizational systems (HR, payroll, etc.); c) strengthened and further refined an effective evaluation process conducted by an external evaluator; d) obtained possession of an 11-acre site with 7500 square feet of facilities; and e) constructed a comprehensive five-year organizational strategic plan as well as a sustainable site development plan.

Since 2008, HMK's Human Resources department has successfully managed approximately 15-20 employees (full and part-time). At least half the current staff is from Waimānalo, including HMK's Executive Director, who has years of experience in both teaching (with the DOE and at the University level) as well managing policy, staff, boards, fund development, and educational projects in the non-profit sector.

As a community-based organization, HMK partners with Waimanalo Elementary & Intermediate School, Blanche Pope Elementary, and Mālama Honua Public Charter schools to recruit participants into HMK programs and ensure their academic development and success. The City & County of Honolulu Ocean Safety Division, East O'ahu Lifeguard Association and the Waimanalo Canoe Club have been long standing partners specializing in ocean safety education. Other partners such as Ho'o'kua'aina, Ka Papa Lo'i o Kanewai, Paepae'o He'eia, Ulupo Hei'au and Papahana Kualoa serve as sites for HMK students to increase their understanding of 'aina-based STEM careers

with a focus on economic sustainability, resource management and environmental restoration from a Native Hawaiian perspective.

HMK has met its program objectives in every year since the program was established in 2002, and—despite the pandemic—the 2020-2021 program year was no exception. As measured by a professional external evaluator, HMK's after-school programs exceeded all target outcomes.

- Proportion of youth who demonstrate pro-social behaviors and knowledge of Hawaiian culture: The annual target of 70% was exceeded by 21 percentage points. The 9 items on the Keiki and `Ōpio Surveys relating to positive personal development were adapted from the Developmental Assets Profile (DAP), a social-emotional assessment which was developed by the Search Institute and is considered a psychometrically sound tool. In addition to the Keiki and `Ōpio Surveys, 86% of parents indicated on the `Ohana Survey that their child was more responsible for self and his/her/their things. There were 15 items relating to knowledge of Hawaiian culture, language, values, and practices that were adapted from Kamehameha Schools' Hawaiian Cultural Connectedness (HCC) assessment. In addition to the HCC, the program utilizes a tool called the HMK Hawaiian Values Rubric, a scientifically validated instrument which was developed over 10 years ago.
- Proportion of youth who demonstrate health and wellness standards related to physical fitness and nutrition: On average, the proportion of youth demonstrating health and wellness standards increased considerably, from 85% to 93%. Keiki and `ōpio increased their knowledge of how to make healthy traditional Hawaiian food, understanding the difference between healthy foods and not-so-healthy foods, doing traditional Hawaiian physical activities, and feeling comfortable in the ocean. Given Waimānalo's proximity to the ocean, the program also administers a pre and post-swim assessment. Of the youth assessed, 88% received a 3 out of 5 and 94% improved. Lastly, 79% of parents also indicated on the `Ohana Survey that their child more often chose to eat fruits, vegetables, or other healthy choices and 93% indicated that their child more often chose to do something physical, like swim or play outside, since participating in HMK.
- Proportion of youth who regularly attend school and demonstrate positive academic behaviors: The target was 72%. Among parents completing the `Ohana Survey, 64% indicated that the program helped their child complete more homework more often and 79% indicated that the program enabled their child to perform better in school.

- Proportion of youth who increase their knowledge of `āina-based careers and college and career readiness skills: All `ōpio indicated that they were interested in learning more about careers related to caring for the `āina or kai or working with food and more than 8 out of 10 (85%) youth indicated on the post-survey that they had a better understanding of what they needed help with in order to be more prepared for their future and with the college application process.

In addition to the current request, HMK has successfully raised funds and started implementation of the Pili Ana Project. The project involves construction of a 3,312 square foot covered deck that will become the physical heart of HMK's community and allow for (safer) outdoor gatherings and social distancing by participants. HMK is working closely with contractor Keeno Farms to complete the deck. It will support after-school cultural, craft and other activities by youth participants in HMK's Keiki and 'Ōpio programs, as well as weekend and weeknight cultural activities by the families of participating youth and other members of the Waimanalo community. The space will also be utilized by Mālama Hōnua Public Charter School, Three Days and Three Nights Church and other organizations and members of the community. HMK raised capital funds from the Weinberg Foundation, Hawaiian Electric, and others.

2. Facilities

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities.

HMK has an 11-acre site on land leased from the Department of Land and Natural Resources (DLNR). The property is located at 41-477 Hihimanu Street (TMK 4-1-009: 265) in the ahupua`a of Waimānalo, moku of Ko`olaupoko, on the Island of O`ahu. Hui Mālama o Ke Kai Foundation (HMK) has a 65-year lease agreement (General Lease No. S-5468) with DLNR which expires in 2061.

The general land uses proposed for the HMK site are: Educational/Gathering, Aquaponics, Craft Plant Grove, Animal Husbandry, Income Producing Agriculture, and Community Gardens. The site plan includes approximately 11,000 square feet (s.f.) of new building space. It will include the following facilities and uses:

- Renovated multi-purpose building to provide space for indoor classroom, offices/meeting room, recreational room, certified kitchen, restrooms, and outdoor covered programs.
- Renovated barn to provide space for equipment storage, indoor workshop space, and outdoor covered workshop space.
- A two-story structure consisting of a 1,200 square foot shower and locker facility with private shower and restroom stalls on the first floor and a 1,200 s.f. caretaker's hale atop the shower and locker facility for 24-hour live-in surveillance of the property.

- An agricultural education complex to include two 450 s.f. greenhouses and an aquaponics system with raised garden beds.
- A 1,200 s.f. maintenance shed for general site maintenance and agricultural work
- equipment and supplies with additional 600 s.f. of outdoor covered working space.
- A 4,000 s.f. hālau to serve as a multi-use gathering and learning space with its own storage, kitchen and restrooms.
- A 1,200 s.f. maintenance shed to support the agriculture/income producing area.
- Community gardens and a composting toilet.
- 28,000 s.f. craft plant grove to support cultural education programs
- A hale wa`a to store the wa`a and for program use.
- A 2,500 s.f. enclosed area for animal husbandry.
- Open space for program use.

VI. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

The following is the complete HMK team. For the purposes of this request, day-to-day liaison with the contractor will be performed by Program Manager James Kimo Malloe with support from Executive Assistant Shalia Kamakaokalani. Executive Director Mailelauli`i Vickery will be responsible for the overall project and contract with the State, as well as for managing the contract with the general contractor.

Executive Director, Mailelauli`i Vickery: the Executive Director provides leadership and support across the organization, setting and implementing strategic direction to further the organization's mission. The position has overall administrative responsibility for operations and is charged with ensuring that the organization achieves its mission, maintains financial viability, and functions as an innovative and effective Native Hawaiian culture-based youth development and family strengthening services provider. Maile is an accomplished non-profit executive and educator with a background in Hawaiian Studies and community outreach. She has a BA in Hawaiian Studies from the University of Hawai`i at Mānoa and is working towards an MA. Previously, she was a Research assistant to the Kū`oko`a Initiative, a program focused on culturally grounded research management and sustainability, and a Graduate Teaching Assistant who led teams for Dr. Jonathan Osorio at the Kamakakūokalani Center for Hawaiian Studies. She has also been a lecturer in Hawaiian Studies and worked as a substitute teacher in Windward Oahu. Maile began her career as a Parent Child Educator for Parents and

Children Together in Waimānalo where she implemented early childhood education programs for prenatal women, children up to three years of age and their families.

Program Manager, James Kimo Malloe: The Program Manager is responsible for overseeing overall HMK operations, managing direct personnel, and providing the necessary support for staff and curriculum training and development. The position also provides high-level program related administrative support to the Executive Director. Kimo provides direct oversight and supervision of projects and staff; oversees evaluation processes and data collection; and helps manage partnerships. Kimo has over 10 years of experience supporting and leading teams and organizing objectives. As Assistant Resident Manager for over 24 years at the Sunset Lakeview Condominium, Kimo managed the Janitorial, Maintenance, and Security Departments., and was responsible for payroll, staff scheduling, implementation of policies and procedures, and various types of training. As a resident of Waimānalo, Kimo also has strong ties to the community. He is a long-time non-profit volunteer and football coach at Kailua High School, HMK's primary high school partner.

Executive Assistant, Shalia Kamakaokalani: Shalia is a graduate of the Hālau `Ike Hawai`i and `Ōlelo Hawai`i at the University of Hawai`i at Mānoa. She strives to educate our communities, haumāna, and keiki in important values through the `ike, mo`olelo, and hana of our kūpuna. Previously, Shalia worked at Limahana (Ka Papa Lo`i o Kānewai) where she led tour groups, teaching them the stories of the wahi, created learning tools for an easier understanding of the `ike we share, and helped maintain both of our wahi at Kānewai and Punalu`u by weeding, weed eating, cutting down trees, clearing out debris, planting, etc.

`Ohana/Kaiāulu Program Coordinator, Tate Na`e Ka`iama: the `Ohana/Kaiāulu Program Coordinator is responsible for serving as the lead for the HMK `Ohana and Kaiāulu Programs which serve the mākuā of the youth program and the families of the Waimānalo community at large. Tate has a BA in Communication in Communities and Multimedia from the University of Hawaii at Mānoa. Previously, she worked at Kama`āina Kids, assisting with television and other broadcasting partnerships. She was also Assistant to the Executive Director of the Hawaii Afterschool Alliance (HAA). While there, she planned and coordinated the 4th and 5th Annual Hawaii Afterschool Summits for approximately 400 afterschool providers and professionals.

Keiki Program Coordinator, Kamali'i McShane-Padilla: the Keiki Program Coordinator is responsible for serving as the main teacher/facilitator for the HMK Keiki Program, a program for 5th & 6th graders. Kamali'i McShane-Padilla has a BA in Hawaiian Studies & Ethnic Studies from the University of Hawai`i at Mānoa. She is also the recipient of numerous awards and scholarships including the Pili Pono Scholarship, Nā Ho`okama a Pauahi Scholarship, Mānoa Opportunity Grant, Kamehameha Schools Summer Scholarship, and the Manawa Kūpono Scholarship. Kamali'i has broad experience with Native Hawaiian community organizations. She worked as a Social Media Assistant for Mana Maoli, an organization that aids middle and high school students in indigenous knowledge through educators, artists, musicians, cultural

practitioners, community organizers, and families. Previously, she worked as a Sales Associate for Manaola, a lifestyle brand that creates Indigenous artistry through designs and prints empowered by cultural values and ancestral knowledge.

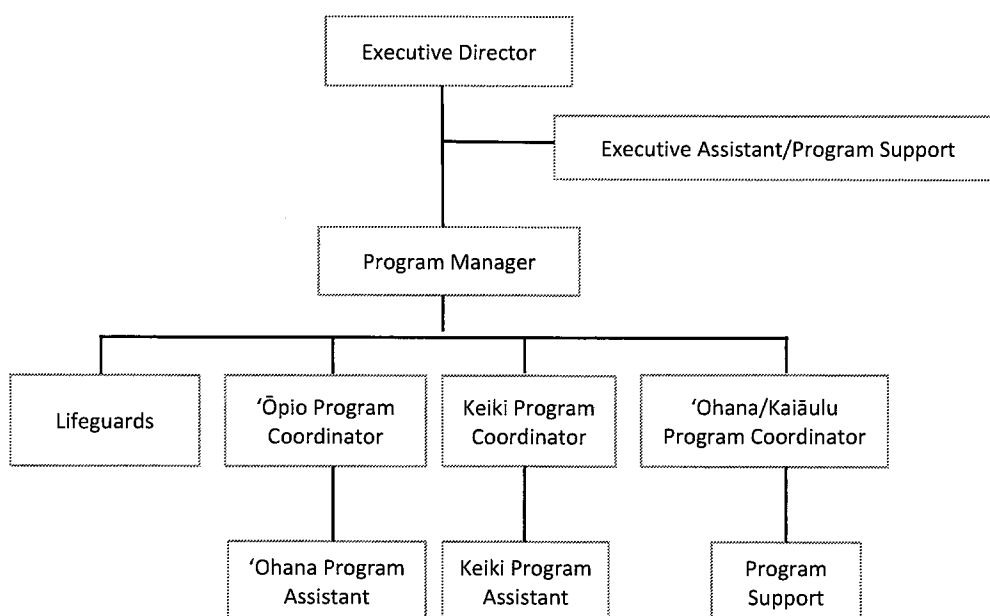
‘Ōpio Program Coordinator, Palani DePonte: the ‘Ōpio Program Coordinator is responsible for serving as the main teacher/facilitator for the HMK ‘Ōpio Program, a program for 7th-12th graders. Palani is an accomplished community outreach and education worker. She has a BA in Ethnic Studies from the University of Hawai‘i at Mānoa. Previously, Palani worked in community outreach and education for the Waimānalo Health Center where she connected individuals with available and relevant resources and built partnerships with related organizations. Before joining the Waimānalo Health Center, Palani worked as an education specialist at the University of Hawai‘i at Mānoa Hawai‘inuiākea School of Hawaiian Knowledge.

Other Staff:

- Program Assistant (Keiki) - vacancy
- Program Assistant (‘Ōpio) - vacancy
- Program Support Staff - Nani Akeo
- Program Support Staff - Krystalyn Edwards
- Program Support Staff - Tehina Kahikina

2. Organization Chart

The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose organization, include an organization chart that illustrates the placement of this request.



3. Compensation

The applicant shall provide an annual salary range paid by the applicant to the three highest paid officers, directors, or employees of the organization by position title, not employee name.

Executive Director	\$75,000-80,000
Program Manager	\$50,000-55,000
‘Ōpio Program Coordinator	\$45,000-46,000
Keiki Program Coordinator	\$45,000-46,000

VII. Other

1. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.

Not applicable

2. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that the applicant possesses relevant to this request.

Not applicable

3. Private Educational Institutions

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see Article X, Section 1, of the State Constitution for the relevance of this question.

Not applicable

4. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2022-23 the activity funded by the grant if the grant of this application is:

- (a) Received by the applicant for fiscal year 2022-23, but
- (b) Not received by the applicant thereafter.

The capital project to be funded through this request has a finite timeline. Once flood remediation work is completed only minimal maintenance will be required. The maintenance work will be funded from HMK's operational budget.

In 2014, HMK acquired an 11-acre site with facilities in Waimānalo. The site is being leased until 2061 at the modest cost of \$500/year from the State Department of Land and Natural Resources. HMK thus has a secure "home base" for the next several decades. HMK leadership, key stakeholders and community members collaborated closely to create strategic and conceptual site plans to develop the site in support of the HMK system of programs and the larger Waimānalo community. The focus of these guiding documents is to realize a community cultural learning center. The site will be developed in the framework of an ahupua'a. This includes the construction of traditional buildings (hale wa'a-canoe house, hālau-communal gathering space), agricultural cultivation projects (kalo/tī leaf/ulu/niu/kākau), hands-on cultural projects (lo'i/mala, hula mound, native gardens) and space for expanded youth/family programming as well as cultural/community events. Children and families will be involved in both the development of the site and the implementation of a multi-phase economic sustainability plan that combines site-based activities with after-school programming, professional internship opportunities and future family-based economic development and community building projects.

Currently, HMK is utilizing the site to generate revenue with small-batch aquaponics and facility usage agreements. HMK was recently awarded funding for construction of a certified kitchen which will provide opportunities for HMK to generate additional revenue through the sale of food items made on-site or by renting the certified kitchen to community entrepreneurs at reasonable hourly rates. Roughly one-acre of land on site is gradually being converted into an income generating agricultural production area.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2022 to June 30, 2023

Applicant: Hui Mālama O Ke Kai Foundation

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST				
1. Salaries				
2. Payroll Taxes & Assessments				
3. Fringe Benefits				
TOTAL PERSONNEL COST				
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island				
2. Insurance				
3. Lease/Rental of Equipment				
4. Lease/Rental of Space				
5. Staff Training				
6. Supplies				
7. Telecommunication				
8. Utilities				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES				
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL	120,000			
TOTAL (A+B+C+D+E)	120,000			
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	120,000	Mailelailii Vickery	808-256-9774	
(b) Total Federal Funds Requested	0	Name (Please type or print)	Phone	
(c) Total County Funds Requested	0	<u>Mailelailii Vickery</u>	44,582	
(d) Total Private/Other Funds Requested	0	Signature of Authorized Official	Date	
TOTAL BUDGET	120,000	Mailelailii Vickery, Executive Dir.		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2022 to June 30, 2023

Applicant: Hui Mālama O Ke Kai Foundation

FUNDING AMOUNT REQUESTED						
TOTAL PROJECT COST	ALL SOURCES OF FUNDS RECEIVED IN PRIOR YEARS		STATE FUNDS REQUESTED	OTHER SOURCES OF FUNDS REQUESTED	FUNDING REQUIRED IN SUCCEEDING YEARS	
	FY: 2020-2021	FY: 2021-2022	FY:2022-2023	FY:2022-2023	FY:2023-2024	FY:2024-2025
PLANS						
LAND ACQUISITION						
DESIGN						
CONSTRUCTION			120000	0	0	0
EQUIPMENT						
TOTAL:			120,000			
JUSTIFICATION/COMMENTS:						
Plans, land acquisition, and design complete. Equipment provided by the contractor. One-time infrastructure improvement.						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Applicant: Hui Mālama O Ke Kai Foundation

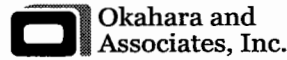
Contracts Total: 2,182,462

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S./State/Hawaii/ Honolulu/ Kauai/ Maui County)	CONTRACT VALUE
1	Native Hawaiian Education Program (NHEP)	2017-2019	NHEC	U.S.	1,769,022
2	Office of Hawaiian Affairs	2020-2021	OHA	State	39,170
3	City GIA	2021-2022	C&C Honolulu, DCS	Honolulu	124,540
4	City GIA	2020-2021	C&C Honolulu, DCS	Honolulu	124,817
5	City GIA	2017-2019	C&C Honolulu, DCS	Honolulu	124,913
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HUI MALAMA O KE KAI FLOOD REMEDIATION

41-477 HIHIMANU ST.
WAIMANALO, HI 96795
TMK: 4-1-009:265

PREPARED BY:



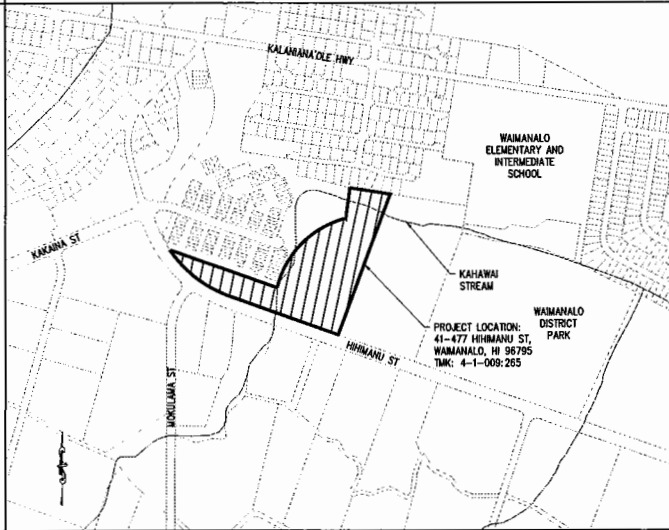
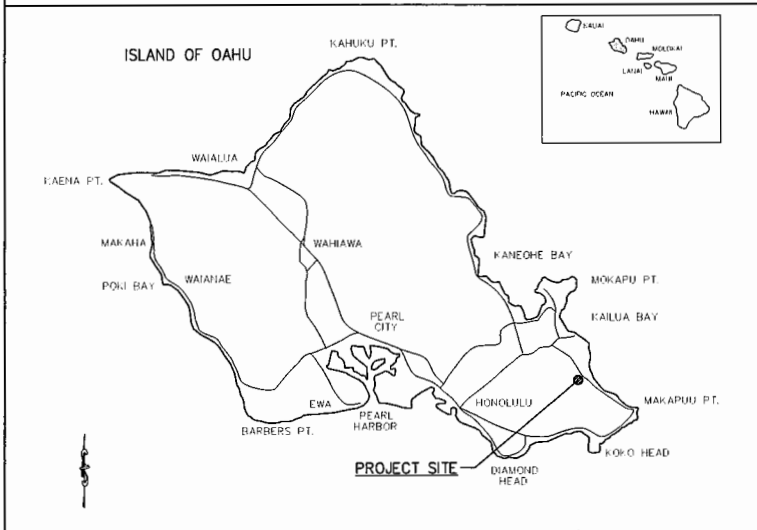
ENGINEERS AND LANDSCAPE ARCHITECTS

HONOLULU: 677 ALA MOANA BLVD., SUITE 703
HONOLULU, HAWAII 96813
PH: (808) 524-1224
FAX: (808) 521-3151

ISLAND OF OAHU

LOCATION PLAN

INDEX OF SHEETS



SHT NO.	DWG NO.	DESCRIPTION
1	C-1	CIVIL CONSTRUCTION NOTES
2	C-2	GENERAL SITE PLAN
3	C-3	SITE PLAN
4	C-4	GRADING PLAN
5	ESCP-1	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
6	ESCP-2	EROSION AND SEDIMENT CONTROL NOTES

APPROVALS

FILE: V:\PROJECTS\18-000000\FLOOD_REMEDIATION\DWGSET\INDEX.DWG DATE PLOTTED: 2/28/2008 9:58:28 AM

LEGEND

	EXISTING MANHOLE
	EXISTING HOSE BIB
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING BACK FLOW PREVENTER
	EXISTING ELECTRIC BOX
	EXISTING ICV BOX
	EXISTING TELEPHONE BOX
	EXISTING GUY WIRE
	EXISTING UTILITY POLE
	EXISTING WOOD POST
	EXISTING HEDGE
	EXISTING TREE
	EXISTING BUSH
	EXISTING PALM TREE
	EXISTING COCONUT TREE
	EXISTING TOP OF BANK
	SPOT ELEVATION
	EXISTING SURVEY MONUMENT
	TRAVERSE LINE
	EXISTING SIGN
	EXISTING WOOD BARRIER
	EXISTING SAND BAGS
	EXISTING WALL
	EXISTING CMU WALL
	EXISTING CHAIN LINK FENCE
	EXISTING CONCRETE

ABBREVIATIONS

AC	ASPHALT CONCRETE
BC	BOTTOM CURB
BFV	BACK FLOW PREVENTER
BOT.	BOTTOM
BW	BOTTOM WALL
COMM	COMMUNICATION
CONC	CONCRETE
CRM	CONCRETE RUBBLE MASONRY WALL
D	DIAMETER
DI	DRAIN INLET
ELEC.	ELECTRIC
ELEV.	ELEVATION
G	GROUND
GW	GUY WIRE
H	HEIGHT
ICV	IRRIGATION CONTROL VALVE
INV	INVERT
M.B.	MAIL BOX
O/H	OVERHEAD
PAVT	PAVEMENT
STA	STATION
TEL.	TELEPHONE
TC	TOP CURB
TP	TOP PIPE
TW	TOP WALL
UP	UTILITY POLE
WM	WATER METER
WV	WATER VALVE

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL PERFORM APPLICABLE CONSTRUCTION WORK ALL IN ACCORDANCE WITH THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1984, AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" DATED SEPTEMBER 1986, AS AMENDED, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU AND THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED.
2. VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
3. ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLANS SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION AND ANY DAMAGE TO THEM SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATING. THE CONTRACTOR SHALL COORDINATE ALL WORK.
5. WHEN TRENCH EXCAVATION IS ADJACENT TO OR UNDER EXISTING STRUCTURES OR FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SHEETING AND BRACING THE EXCAVATION AND STABILIZING THE EXISTING GROUND TO RENDER IT SAFE AND SECURE FROM POSSIBLE SLIDES, CAVE-INS, AND SETTLEMENT, AND FOR PROPERLY SUPPORTING EXISTING STRUCTURES AND FACILITIES WITH BEAMS, STRUTS, OR UNDERPINNING TO FULLY PROTECT THEM FROM DAMAGE.
6. ALL WORK CALLED FOR ON THE PLANS AND NOT ITEMIZED IN THE PROPOSAL AND ALL WORK NOT CALLED FOR BUT REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE CONSIDERED INCIDENTAL TO UNCLASSIFIED TRENCH EXCAVATION.
7. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL IMPROVEMENTS DAMAGED AS A RESULT OF CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC., UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL. DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL AND INCLUDED WITHIN THE AMOUNT PAID FOR UNCLASSIFIED TRENCH EXCAVATION.
8. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE ADMINISTRATIVE RULES OF THE DEPARTMENT OF HEALTH REGARDING NOISE CONTROL FOR OAHU.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, "WATER QUALITY STANDARDS" AND CHAPTER 55, "WATER QUALITY POLLUTION CONTROL" OF TITLE 11, ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH, AS WELL AS CHAPTER 14 OF THE REVISED ORDINANCES OF HONOLULU, AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.
10. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM APPROPRIATE GOVERNMENT AGENCIES.
12. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. TEMPORARY PASSAGEWAYS SHALL BE ACCESSIBLE PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN CHAPTER 2, SECTION 201.3 AND 206.1.
13. THE JOB SITE MUST BE LEFT IN A SAFE, SECURE CONDITION AT THE END OF EACH CONSTRUCTION WORK DAY. CLEAN UP AND REMOVE FROM THE JOB SITE ALL RUBBISH AND MAINTAIN THE PREMISES IN A CLEAN ORDERLY CONDITION AT ALL TIMES.
14. UPON COMPLETION OF CONSTRUCTION THE ENTIRE JOB SITE SHALL BE CLEANED OF ALL RUBBISH AND DEBRIS.

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES

1. CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
2. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND ITS SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. THE COUNTY AND STATE SHALL REQUIRE SUPPLEMENTARY MEASURES IF REQUIRED.
3. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC.
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO CHAPTER 46, PUBLIC HEALTH REGULATIONS, STATE DEPARTMENT OF HEALTH, STATE OF HAWAII, "COMMUNITY NOISE CONTROL," IN WHICH MAXIMUM PERMISSIBLE NOISE LEVELS HAVE BEEN SET. IF THE CONSTRUCTION WORK REQUIRES A PERMIT FROM THE STATE DIRECTOR OF HEALTH, THE CONTRACTOR SHALL OBTAIN A COPY OF CHAPTER 46 AND BECOME FAMILIAR WITH THE NOISE LEVEL RESTRICTIONS AND THE PROCEDURES FOR OBTAINING A PERMIT FOR THE CONSTRUCTION ACTIVITIES. APPLICATION AND INFORMATION ON VARIANCES ARE AVAILABLE FROM THE ENVIRONMENTAL HEALTH SERVICES DIVISION, INDOOR AND RADIOLOGICAL HEALTH BRANCH, NOISE SECTION, 99-945 HALAWA VALLEY STREET, AIEA, HI 96701.

GRADING NOTES

1. ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH CHAPTER 14, ARTICLES 13, 14, 15, AND 16, AS RELATED TO GRADING, SOIL EROSION AND SEDIMENT CONTROL, OF THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED.
2. NO CONTRACTOR SHALL PERFORM ANY GRADING OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL, OR DEBRIS IN ANY FORM TO FALL, SLIDE, OR FLOW ONTO ADJOINING PROPERTIES, STREETS, OR NATURAL WATERCOURSES. SHOULD SUCH VULNERABILITIES OCCUR, THE CONTRACTOR MAYBE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
3. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 60.1, "AIR POLLUTION CONTROL".
4. THE UNDERGROUND PIPES, CABLES, OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTIONS OF NEW UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED LOCATIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
5. ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.
6. ALL SLOPES AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED.
7. FILLS ON SLOPES STEEPER THAN 5:1 SHALL BE KEVED.
8. THE CITY SHALL BE INFORMED OF THE LOCATION OF THE BORROW/DISPOSAL SITE FOR THE PROJECT WHEN THE APPLICATION FOR A GRADING PERMIT IS MADE. THE BORROW/DISPOSAL SITE MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
9. NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS AT ANY TIME WITHOUT PRIOR NOTICE TO THE DIRECTOR, D.P.P. PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH THE COMMUNITY NOISE CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 46, "COMMUNITY NOISE CONTROL".
10. THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
11. WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTH MOVING PHASE OF THE GRADING IS INITIATED.
12. TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
13. TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO APPROVAL FOR GRADING PERMIT.
14. THE GENERAL CONTRACTOR/DEVELOPER/OWNER OF THE PROJECT SHALL BE RESPONSIBLE FOR ALL GRADING OPERATIONS TO BE PERFORMED IN CONFORMANCE WITH APPLICABLE PROVISIONS OF THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS" AND TITLE 11, CHAPTER 55, "WATER POLLUTION CONTROL", AS WELL AS CHAPTER 14 OF THE REVISED ORDINANCES OF HONOLULU, AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION. THE GENERAL CONTRACTOR/DEVELOPER/OWNER OF THE PROJECT SHALL OBTAIN POLLUTANT DISCHARGE EUMINATION SYSTEM (NPDES) PERMIT COVERAGE(S) FOR THE FOLLOWING:

STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES THAT DISTURB ONE (1) ACRES OR MORE, AND

DISCHARGES OF HYDROTASTING EFFLUENT, DEWATERING EFFLUENT, AND WELL DRILLING EFFLUENT TO STATE WATERS.

15. IN ACCORDANCE WITH STATE LAW, ALL DISCHARGES RELATED TO PROJECT CONSTRUCTION OR OPERATIONS ARE REQUIRED TO COMPLY WITH STATE QUALITY STANDARDS (HAWAII ADMINISTRATIVE RULES, CHAPTER 11-54). BEST MANAGEMENT PRACTICES SHALL BE USED TO MINIMIZE OR PREVENT THE DISCHARGE OF SEDIMENT, DEBRIS, AND OTHER POLLUTANTS TO STATE WATERS. PERMIT COVERAGE IS AVAILABLE FROM THE DEPARTMENT OF HEALTH, CLEAN WATER BRANCH AT [HTTP://HEALTH.HAWAII.GOV/CWB](http://health.hawaii.gov/cwb). THE OWNER/DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR OBTAINING OTHER FEDERAL, STATE, OR LOCAL AUTHORIZATIONS AS REQUIRED BY LAW.
16. IF THE GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.
17. PURSUANT TO CHAPTER 6E, HRS, IN THE EVENT ANY ARTIFACTS OR HUMANS REMAIN ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY HONOLULU POLICE DEPARTMENT, THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES-HISTORIC PRESERVATION DIVISION (892-8015). IN ADDITION, FOR CITY PROJECTS, NOTIFY THE RESPONSIBLE CITY AGENCY.
18. FOR ALL PROJECTS, WHICH WILL DISTURBED ONE (1) ACRE OR MORE OF LAND, THE CONTRACTOR SHALL NOT START CONSTRUCTION UNTIL A NOTICE OF GENERAL PERMIT COVERAGE (NGPC) IS RECEIVED FROM THE DEPARTMENT OF HEALTH, STATE OF HAWAII, AND HAS SATISFIED ANY OTHER APPLICABLE REQUIREMENTS OF THE NPDES PERMIT PROGRAM.
19. ALL GRADING AND CONSTRUCTION WORK SHALL IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE WILL BE REDUCED TO THE MAXIMUM EXTENT PRACTICABLE AND WILL NOT CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF WATER QUALITY STANDARDS.
20. NON-COMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHOULD COMMENCE IMMEDIATELY. ALL COST INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE, VIOLATORS SHALL BE SUBJECT TO ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES.
21. FOR BENCHMARK, SEE SHEET C-2.

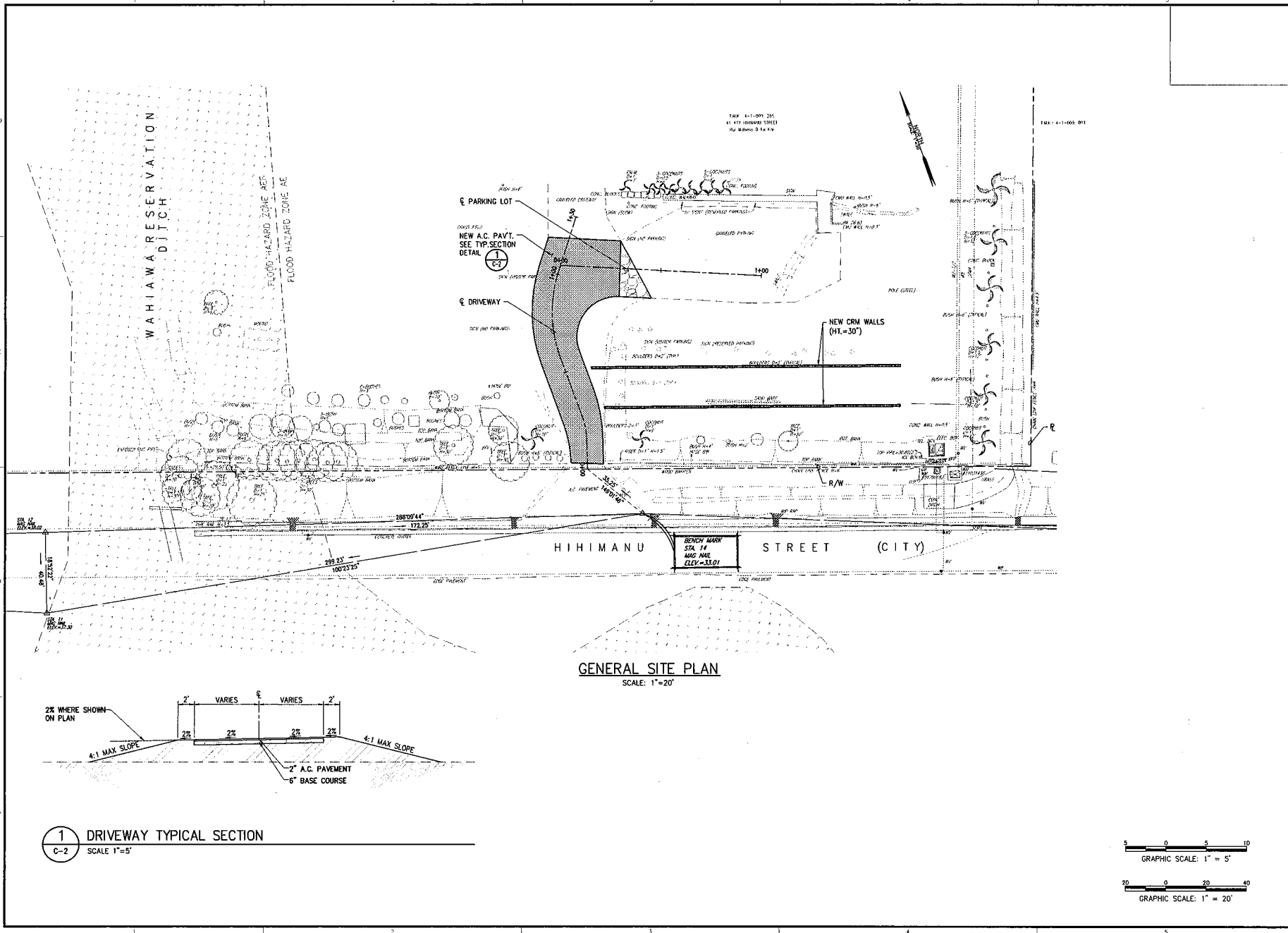
REVISIONS	BY

THE STATE OF HAWAII
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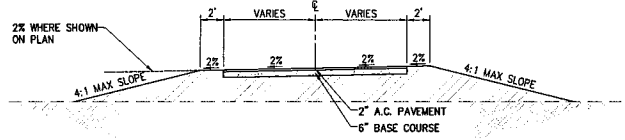
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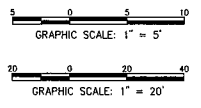
DATE: OCTOBER 2020
 SCALE: AS NOTED
 DRAWN BY: VJ
 JOB NO.: 218-077
 SHEET TITLE: CIVIL CONSTRUCTION NOTES



GENERAL SITE PLAN
SCALE: 1" = 20'



1 DRIVeway TYPICAL SECTION
C-2 SCALE 1" = 5'



REVISIONS	BY

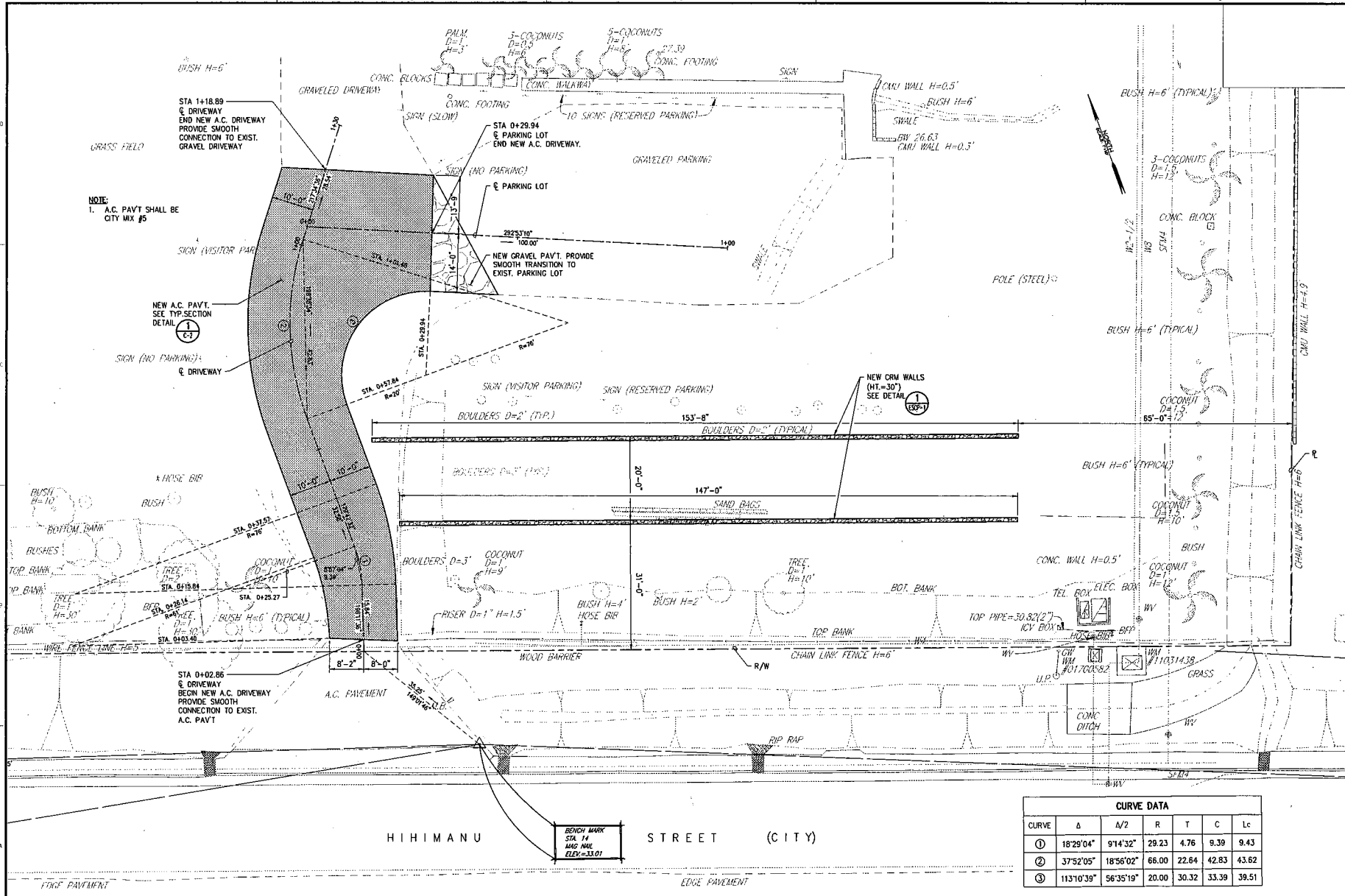
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DATE: OCTOBER 2020
SCALE: AS NOTED
DRAWN BY: VF
JOB NO.: 218-077
SHEET TITLE: GENERAL SITE PLAN

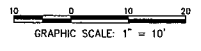
C-2
SHEET 2 OF 6

DATE: OCTOBER 2020
 SCALE: AS NOTED
 DRAWN BY: VF
 JOB NO.: 218-077
 SHEET TITLE: SITE PLAN
 SHEET 3 OF 6

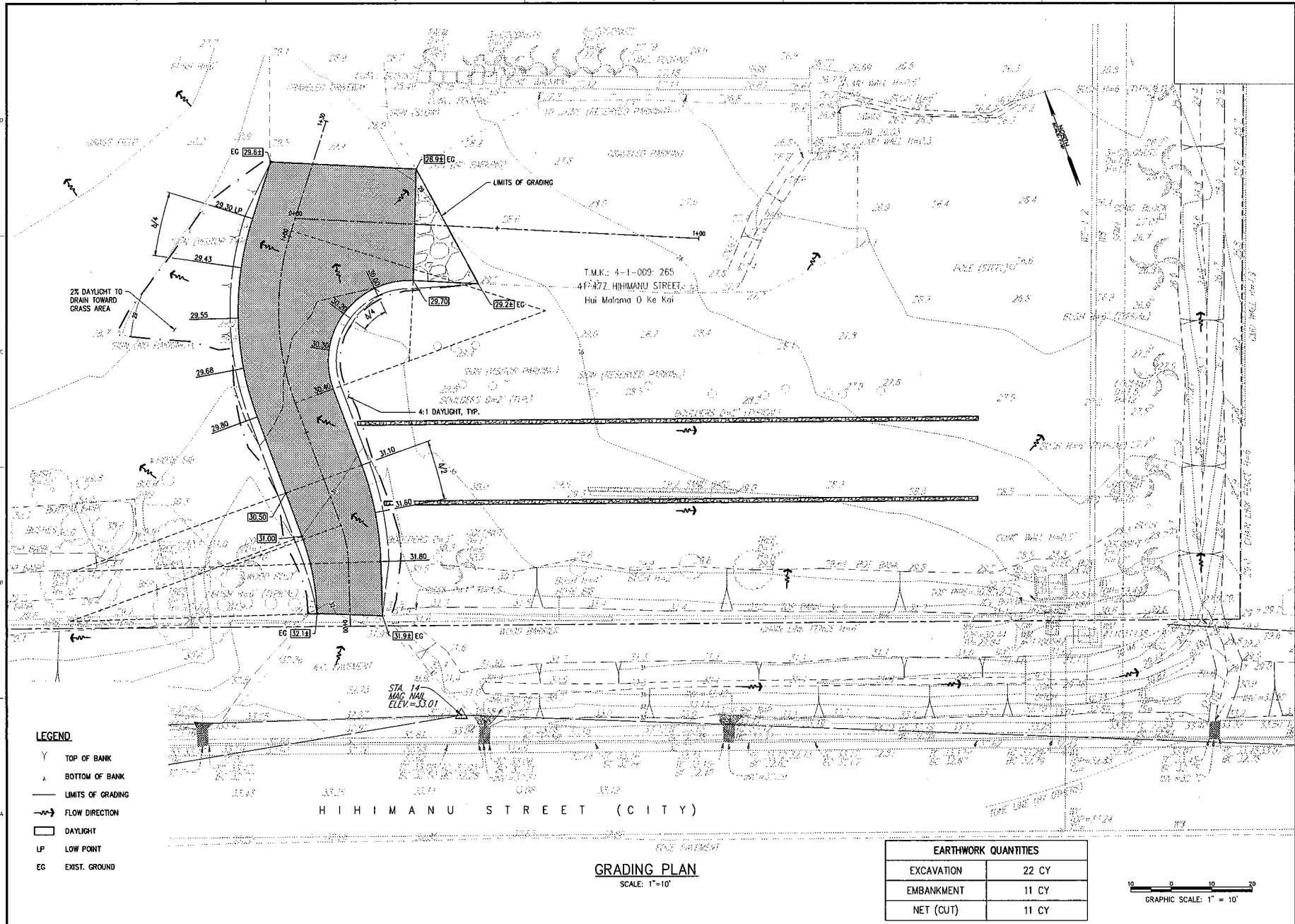


SITE PLAN
SCALE: 1" = 10'

CURVE DATA						
CURVE	Δ	A/2	R	T	C	Lc
①	18°29'04"	9'14'32"	29.23	4.76	9.39	9.43
②	37°52'05"	18°56'02"	66.00	22.64	42.83	43.62
③	113°10'39"	56°35'19"	20.00	30.32	33.39	39.51



<p>REVISIONS</p> <table border="1"> <tr><td> </td><td>BY</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		BY									<p style="text-align: center;">OKAHARA & ASSOCIATES INC. ENGINEERS AND LANDSCAPE ARCHITECTS</p> <p style="text-align: center;">HUI MALAMA O KE KAI FLOOD REMEDIATION</p> <p style="text-align: center;">4-147 BEREMANU ST WAIKIKO, HI 96795 PHONE: 808-949-2626</p>
	BY										

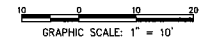


- LEGEND**
- Y TOP OF BANK
 - ▲ BOTTOM OF BANK
 - LIMITS OF GRADING
 - FLOW DIRECTION
 - DAYLIGHT
 - LP LOW POINT
 - EG EXIST. GROUND

HIHIMANU STREET (CITY)

GRADING PLAN
SCALE: 1"=10'

EARTHWORK QUANTITIES	
EXCAVATION	22 CY
EMBANKMENT	11 CY
NET (CUT)	11 CY



REVISIONS

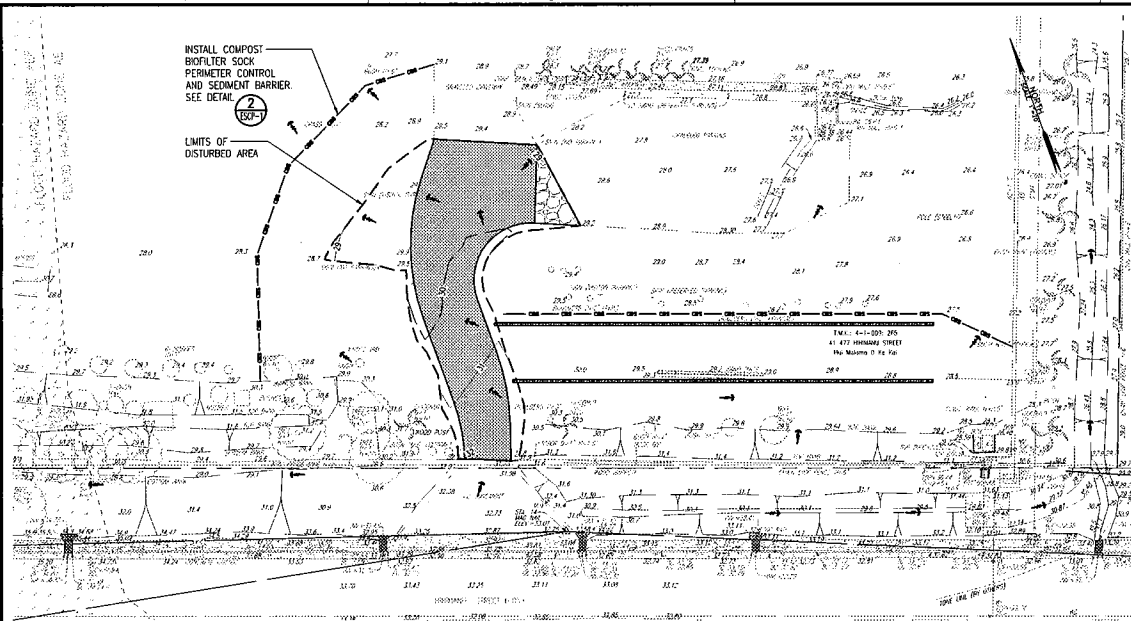
NO.	DESCRIPTION	DATE	BY

THE WORK HAS BEEN REVIEWED AND FOUND TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HAWAIIAN ENGINEERING ACT.
 DATE: 10/15/2020
 BY: L. J. JONES

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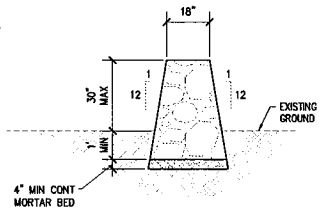
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 JOB NO.: 218-077
 SHEET TITLE: GRADING PLAN
C-4
 SHEET 4 of 6



LEGEND

- LIMITS OF DISTURBED AREA
- FLOW ARROW
- COMPOST BIOFILTER SOCK

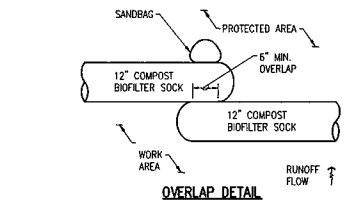
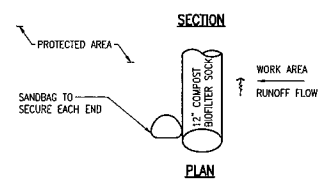
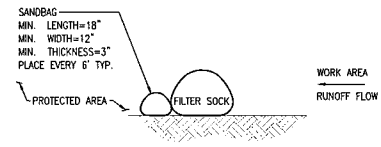
EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1"=20'



CEMENT RUBBLE MASONRY (CRM) NOTES

- A. STONES SHALL BE CLEAN, HARD, SOUND, AND DURABLE. EACH STONE, EXCEPT STONES FOR FILLING OR PINNING INTERSTICES, SHALL HAVE A THICKNESS OF NOT LESS THAN 6 INCHES AND A WIDTH OF NOT LESS THAN ONE AND ONE HALF TIMES THE THICKNESS OR 12 INCHES, WHICHEVER IS GREATER.
- B. MORTAR SHALL BE TYPE "M" CONFORMING TO ASTM C270 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.
- C. CEMENT RUBBLE MASONRY SHALL BE CONSTRUCTED BY EXPERIENCED WORKMEN.
- D. SELECTED STONES SHALL BE ROUGHLY SQUARED AND PITCHED TO LINES AT ANGLES AND ENDS OF WALLS.
- E. STONES SHALL BE WET THOROUGHLY BEFORE LAYING.
- F. STONE JOINTS SHALL OVERLAP AT LEAST 6 INCHES AND FORM A FIRM BOND.
- G. STONES FOR BOTTOM COURSE SHALL BE LARGE, FLAT AND FULLY BEDDED IN MORTAR.
- H. HORIZONTAL JOINTS IN THE FACE OF THE WALL SHALL NOT EXCEED 1 INCH IN THICKNESS AND VERTICAL JOINTS SHALL NOT EXCEED 2 INCHES IN WIDTH.
- I. CRM WALL BASE SHALL BE FOUNDED ON FIRM UNDISTURBED SOIL OR STRUCTURAL FILL COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION. REMOVE SOFT AND/OR LOOSE MATERIAL AT THE BOTTOM OF THE EXCAVATION AND FILL WITH GRANULAR FILL COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION. ALTERNATELY, THE CRM WALL BASE MAY BE EXTENDED DOWN TO THE FIRM UNDISTURBED SOIL.

1 CRM WALL
ESCP-1 NOT TO SCALE



2 BIOFILTER SOCK DETAIL
ESCP-1 NOT TO SCALE

GRAPHIC SCALE: 1" = 20'

REVISIONS	BY



THE ABOVE PROJECT IS THE PROPERTY OF OKAHARA AND ASSOCIATES INC. ANY REVISIONS MUST BE APPROVED BY THE ARCHITECT.

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DATE: OCTOBER 2020
SCALE: AS NOTED
DRAWN BY: VF
JOB NO.: 218-077
SHEET TITLE: EROSION AND SEDIMENT CONTROL PLAN AND DETAILS

EROSION PREVENTION/SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE CITY AND COUNTY OF HONOLULU'S "RULES RELATING TO WATER QUALITY."
2. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTHWORK IS INITIATED.
3. SLOPE PROTECTION IS REQUIRED ON AREAS WITH SLOPES GREATER THAN 15% AND ON AREAS OF MODERATE SLOPE THAT ARE PRONE TO EROSION UNLESS THEY ARE BEING ACTIVELY WORKED. USE DIVERSION UPSTREAM OF SLOPE (DIKES, SWALES, SLOPE DRAINS) TO DIVERT WATER AROUND THE SLOPE. PROVIDE A 10-FT BUFFER ZONE AT THE TOE OF SLOPE. ONLY 5 ACRES MAY BE DISTURBED AT ANYTIME ON SLOPES GREATER THAN 15%.
4. TEMPORARY STABILIZATION IS REQUIRED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 14 CONSECUTIVE DAYS OR MORE.
5. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED USING VEGETATIVE COVERING, PAVEMENT OR EQUIVALENT, PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY AND PERMANENTLY STABILIZED.
6. PRESERVE EXISTING VEGETATION. CLEARLY MARK THE AREAS TO BE PRESERVED WITH FLAGS OR TEMPORARY FENCING, WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.

7. MINIMIZE SOIL COMPACTION. AREAS WHERE FINAL STABILIZATION OR INFILTRATION PRACTICES WILL BE INSTALLED SHALL BE PROTECTED FROM EXCESSIVE COMPACTION DURING CONSTRUCTION. VEHICLE AND EQUIPMENT USE SHALL BE RESTRICTED OR TECHNIQUES TO CONDITION THE SOILS TO SUPPORT VEGETATION SHALL BE IMPLEMENTED IN THE AREAS THAT HAVE BEEN COMPACTED AND ARE DESIGNATED TO REMAIN VEGETATIVE OR POST-CONSTRUCTION INFILTRATION AREAS. CLEARLY MARK THE AREAS TO BE AVOIDED WITH FLAGS OR TEMPORARY FENCING, WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
8. PERMETER CONTROLS ARE REQUIRED DOWN SLOPE OF ALL DISTURBED AREAS. MAINTAIN DOWNSTREAM VEGETATED AREA.
9. SEDIMENT BARRIERS AND FENCES

SEDIMENT FENCES OR BARRIERS SHALL BE USED DOWN SLOPE OF ALL DISTURBED AREAS. UNTIL SLOPES ARE STABILIZED A SEDIMENT FENCE OR BARRIER SHALL BE INSTALLED AT THE TOE OF THE SLOPE AND ON CONTOURS AT THE FOLLOWING SPACING:

SLOPE ≥ 2:1	10 FEET SPACING
SLOPE ≥ 4:1 AND < 2:1	15 FEET SPACING
SLOPE < 4:1	20 FEET SPACING

10. TRACKING CONTROL
 - A. MINIMIZE SEDIMENT TRACK-OUT ONTO OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS FROM VEHICLES EXITING THE CONSTRUCTION SITE BY RESTRICTING VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USING ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE SITE.
 - B. VEHICULAR PARKING AND MOVEMENT ON PROJECT SITES MUST BE CONFINED TO PREDEFINED PARKING AREAS AND VEHICLE PATHS, WHICH SHALL BE MARKED WITH FLAGS OR BOUNDARY FENCING. CONTRACTOR SHALL COORDINATE WITH OFFICER-IN-CHARGE.
 - C. ALL POLLUTANTS AND MATERIALS THAT ARE DROPPED, WASHED, TRACKED, SPILLED, OR OTHERWISE DISCHARGED FROM A PROJECT SITE TO OFF-SITE STREETS, SIDEWALKS MUST BE CLEANED USING DRY METHODS SUCH AS SWEEPING OR VACUUMING.
 - D. WASHING POLLUTANTS AND MATERIALS THAT ARE DISCHARGED FROM THE PROJECT SITE IS PROHIBITED UNLESS THE MATERIAL IS SEDIMENT AND IS DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP.
11. BEST MANAGEMENT PRACTICES (BMPs) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE FOR THAT PHASE.
12. REFER TO CITY AND COUNTY OF HONOLULU BEST MANAGEMENT PRACTICES MANUAL - CONSTRUCTION, FOR MORE INFORMATION ON BMPs.
13. THE FOLLOWING BMPs WERE DETERMINED TO BE NOT APPLICABLE BASED ON THE SPECIFIC SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.
 - CONTAMINATED SOIL MANAGEMENT
 - LIQUID WASTE MANAGEMENT
 - DEWATERING OPERATIONS
 - STABILIZED CONSTRUCTION ENTRANCE AND EXIT
14. THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.

PROJECT SEQUENCE

1. INSTALL STORM DRAIN INLET PROTECTION AND PERMETER CONTROL (FILTER SOCKS).
2. RELOCATE, RECONSTRUCT AND MAINTAIN BMPs AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES. INITIATE TEMPORARY STABILIZATION IMMEDIATELY ONCE GRADING IS COMPLETED.
3. INITIATE STABILIZATION OF STEEP SLOPES (> 15%) WITH HYDROSEEDING AS SOON AS GRADING IS COMPLETED ON THOSE AREAS.
4. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
5. PLANT PERMANENT GROUND COVER AS SOON AS POSSIBLE.
6. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER FULL ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
7. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
8. INSPECTIONS SHALL BE PERFORMED ONCE EVERY SEVEN (7) DAYS BY THE ESCP COORDINATOR.

RAIN RESPONSE PLAN

1. THE FOLLOWING SHALL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS.
 - A. TEMPORARY SUSPENSION OF ACTIVE GRADING, GRUBBING, AND TRENCHING.
 - B. INSPECT ALL SEDIMENT BASINS AND PERMETER CONTROLS, AND MAINTAIN AS NEEDED. REINSTALL ANY PERMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA.
 - C. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
 - D. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTACTING ANY SPILLED PETROLEUM PRODUCTS, PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
2. RE-INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND REPLACE OR MAINTAIN BMPs AS NEEDED.

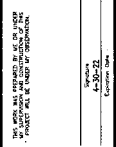
GOOD HOUSEKEEPING BMPs

1. STREET SWEEPING AND VACUUMING. ALL POLLUTANTS DISCHARGED FROM CONSTRUCTION SITE TO OFF-SITE AREAS MUST BE SWEEP OR VACUUMED EACH DAY BEFORE LEAVING THE JOB SITE.
2. MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT. PREVENT, REDUCE, OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY, STORAGE, AND USE TO THE STORM WATER SYSTEM OR WATERCOURSE BY MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ON-SITE, STORING MATERIALS IN A DESIGNATED AREA, INSTALLING SECONDARY CONTAINMENT, CONSTRUCTION MATERIALS, WASTE, TOXIC AND HAZARDOUS SUBSTANCES, STOCKPILES AND OTHER SOURCES OF POLLUTION SHALL NOT BE STORED IN BUFFER AREAS, NEAR AREAS OF CONCENTRATED FLOW, OR AREAS ADJACENT TO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE, PRIMARY AND SECONDARY CONTAINMENT CONTROLS AND COVERS SHALL BE IMPLEMENTED TO THE MEP.
3. SPILL PREVENTION AND CONTROL. CREATE AND IMPLEMENT SPILL PREVENTION AND RESPONSE PLANS TO ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO THE MS4 AND RECEIVING WATERS FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, ABSORBING, CONTAINING, AND CLEANING UP SPILLS AND PROPERLY DISPOSING OF SOIL MATERIALS. AT A MINIMUM, ALL PROJECTS SHALL CLEANUP ALL LEAKS AND SPILLS IMMEDIATELY.
4. HAZARDOUS MATERIALS. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM HAZARDOUS WASTE THROUGH PROPER MATERIAL USE AND WASTE DISPOSAL. IN THE EVENT THAT HAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF FACILITIES MAINTENANCE, HONOLULU FIRE DEPARTMENT, AND HONOLULU POLICE DEPARTMENT OF THE DISCHARGE BY TELEPHONE. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A RECURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.
5. NONHAZARDOUS MATERIALS. IN THE EVENT THAT NONHAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL NOTIFY THE CITY DEPARTMENT OF FACILITIES MAINTENANCE BY TELEPHONE NO LATER THAN THE NEXT BUSINESS DAY. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A RECURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.

GOOD HOUSEKEEPING BMPs (CONT.)

6. VEHICLE AND EQUIPMENT CLEANING. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT CLEANING OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, WASHING IN DESIGNATED, CONTAINED AREAS ONLY, AND ELIMINATING DISCHARGES TO THE STORM DRAIN SYSTEM BY EVAPORATING AND/OR TREATING WASH WATER, AS APPROPRIATE OR INFILTRATING WASH WATER FOR EXTERIOR CLEANING ACTIVITIES THAT USE WATER ONLY.
7. VEHICLE AND EQUIPMENT FUELING. PREVENT FUEL SPILLS AND LEAKS BY USING OFF-SITE FACILITIES, FUELING ONLY IN DESIGNATED AREAS, ENCLOSING OR COVERING STORED FUEL, AND IMPLEMENTING SPILL CONTROLS SUCH AS SECONDARY CONTAINMENT AND ACTIVE MEASURES USING SPILL RESPONSE KITS.
8. VEHICLE AND EQUIPMENT MAINTENANCE. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT MAINTENANCE OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, PERFORMING WORK IN DESIGNATED AREAS ONLY, USING SPILL PADS UNDER VEHICLES AND EQUIPMENT, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.
9. SOLID WASTE MANAGEMENT. PREVENT OR REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.
10. SANITARY/SEPTIC WASTE MANAGEMENT. TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL-MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, PERFORMING WORK NEAR THE MS4 OR RECEIVING WATERS.
11. STOCKPILE MANAGEMENT. STOCKPILES SHALL NOT BE LOCATED IN DRAINAGEWAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY, SEDIMENT BARRIERS OR SALT FENCES SHALL BE USED AROUND THE BASE OF ALL STOCKPILES. STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT. STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8 FOOT WIDE BENCHING IN ACCORDANCE WITH ROH CHAPTER 14, ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
12. LIQUID WASTE MANAGEMENT. LIQUID WASTE SHALL BE CONTAINED IN A CONTROLLED AREA SUCH AS A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTES GENERATED. CONTAINMENT AREAS OR DEVICES MUST BE IMPERMEABLE AND LEAK FREE AND SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS.
13. CONCRETE WASTE MANAGEMENT. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE OR PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MILLIMETER POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. CONTAINMENT AREAS OR DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF AS SOLID WASTES.
14. CONTAMINATED SOIL MANAGEMENT. AT MINIMUM CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINED BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETING. CONTAMINATED SOIL SHOULD BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
15. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS AS REFLECTED ON PLANS SHALL BE IN PLACE BEFORE ANY WORK IS INITIATED. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
16. ALL CONTROL MEASURES SHALL BE CHECKED DAILY AND REPAIRED AS NECESSARY.
17. CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE STATE DEPARTMENT OF HEALTH REGULATIONS REGARDING STORM WATER DISCHARGE.
18. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREAS AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11-80, "AIR POLLUTION CONTROL".
19. THE CONTRACTOR SHALL ENSURE THAT ALL TIRES OF CONSTRUCTION VEHICLES ARE SUFFICIENTLY CLEANED OFF SO THAT DIRT OR DEBRIS IS NOT TRACKED OFF THE CONSTRUCTION SITE. WASHING OFF TIRES WITH WATER WILL NOT BE ACCEPTABLE UNLESS THE RUNOFF IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM.

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DATE: OCTOBER 2020
 SCALE: AS NOTED
 DRAWN BY: VF
 JOB NO.: 210-077
 SHEET TITLE: EROSION AND SEDIMENT CONTROL NOTES

State GIA Submission from Hui Malama O Ke Kai Foundation_CAPITAL

Final Audit Report

2022-01-22

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