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AUG 08 2014

NEIL ABERCROMBIE
Governor

JAMES J. NAKATANI
Executive Director

STATE OF HAWAII
AGRIBUSINESS DEVELOPMENT CORPORATION
235 S. Beretania Street, Room 205
Honolulu, HI 96813
Phone: (808) 586-0186 Fax: (808) 586-0189

July 25, 2014

RECEIVED
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OFFICE OF ENVIRONMENTAL QUALITY CONTROL

Director
Office of Environmental Quality Control
Department of Health, State of Hawaii
235 S. Beretania Street
Honolulu, HI 96813

Dear Director:

The Agribusiness Development Corporation hereby transmits the final environmental assessment and finding of no significant impact (FEA-AFONSI) for the West Kauai Compost Green Waste Recycling & Processing Facility situated at TMK [4] 1-2-002:001 in Kekaha on the island of Kauai for publication in the next available edition of the Environmental Notice.

The Agribusiness Development Corporation (ADC) has included copies of public comments and the corresponding responses from the applicant that were received during the 30-day public comment period on the draft environmental assessment and anticipated finding of no significant impact (DEA-FONSI).

Enclosed is a completed OEQC Publication Form, two copies of the FEA-FONSI, an Adobe Acrobat PDF File of the same, and an electronic copy of the publication form in MS Word.

If there are any questions, please contact ADC at (808) 586-0181.

Sincerely,

James J. Nakatani
Executive Director

Enclosures
C: Applicant

OEQC Publication Form
Environmental Notice

Name of Project:	West Kauai Compost (WKC)
Applicable Law:	HRS Chapter 343
Type of Document:	Final Environmental Assessment
Island:	Kauai
District:	Kekaha
TMK:	(4th) 1-2-02: por. 1
Status:	Final Environmental Assessment
Public Comment Deadline:	September 8, 2014
Permits Required:	Lease
Proposing Agency:	Land Strategies Hawaii
Address	PO Box 1174
City, State, Zip	Kapaa, HI.96746
Contact and Phone	Sean Combs, (808) 212-4006
Accepting Authority:	Agribusiness Development Corporation
Address	State Office Tower 235 S. South Beretania St. Room 205
City, State, Zip	Honolulu, Hawaii 96813
Contact and Phone	Ivan Kawamoto, (808) 586-0181
Send Comments To:	
Proposing Agency	Land Strategies Hawaii
Address	PO Box 1174
City, State, Zip	Kapaa HI 96746
Contact and Phone	Sean Combs (808) 212-4006

Project Summary:

The project would address the current and future need for a solution to greens waste that makes its way into our already taxed land fill system. According to the US Environmental Protection Agency (EPA) nationally green wastes generated from landscapes and residential yards, and including food scraps, contribute to roughly twenty four percent (24%) of the material entering the landfill. This organic material should be processed, and recycled into compost, which also has the added benefit of reducing the amount of imported compost. Composting provides the benefit of utilizing our locally generated organic waste for applications in agriculture and landscaping while providing the long-term benefits to our county of less waste in the landfill, new employment, and tax revenue. Composting is a natural form of recycling, which continually occurs in nature. Composting is a natural biological process that accelerates the breakdown of waste materials. Composting is the transformation of organic material (i.e.: plant matter) through decomposition into a soil-like material called compost. Invertebrates (insects and earthworms), and microorganisms (bacteria and fungi) help in transforming the material into compost. With our state's heavy dependence on outside recourses, **T**he cumulative impacts of the proposed action is the reduction of organic waste in our landfills, job creation, locally generating new compost material for use on farms and in yards, and literally adhering to the principal of reduce, reuse, and recycle.

Final Environmental Assessment

West Kauai Compost

Green Waste Recycling & Processing Facility, Island of Kauai

Kekaha, Kauai

July 2014

Prepared for:

Shredco, LLC
1824 Haleukana Street
Puhi Industrial Park
Lihue, Kauai Hawaii 96766

Prepared By:

Land Strategies Hawaii

PO Box 1174
Kapaa, Kauai, Hawaii 96746

July 2014

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Source Reference

1) County of Kaua'i Solid Waste Division http://www.kauai.gov/default.aspx?tabid=121
2) Shredco LLC business Plan
3) Department of Environmental Services Hawaii - web site
4) Honolulu Advertiser " Green waste Recycling Problem"
5) Hawaii Department of Environmental Management www.hawaiizerowaste.org/recycle/greenwaste
6) E Malama Ka Aina http://www.co.hawaii.hi.us/env_mng/swm/GreenWaste%20Flyer.pdf
7) Waste Management , Recycling http://www.wm.com/index.jsp
8) Kauai Agricultural Association, Director, Landis Ignacio
9) MANAGEYOURWASTE, http://pimawasteaz.com/

Agencies Consulted

1) Department of Transportation
2) Office of Hawaiian Affairs
3) Department of Health
4) Kekaha Agricultural Association
5) Pacific Missile Range Facility

DEA Documentation Page

Project Name:	West Kauai Compost (WKC) Green Waste Recycling & Processing, Island of Kauai
Facility	
Proposing Agency:	Shredco, LLC
Consultant:	Land Strategies Hawaii LLC
Landowner:	State of Hawaii Agribusiness Development Company (ADC)
Location:	North off Kaumualii Highway Kekaha, Kauai, Hawaii 96796
Tax Map Key:	(4th) 1-2-02: por. 1
Existing Use:	Fallow
Proposed Action:	Develop, and operation Kauai County's West Kauai Composting and processing facility
Project Area:	ADC Lands in Kekaha, Kauai, Hawaii
Land Use Designations:	State Land Use District: Agriculture County Zoning District: Agricultural County General Plan: Agricultural
Action Triggered:	Use of Government Lands, Chapter 343, HRS
Approving Agency:	Agricultural Development Corporation, State of Hawaii
Required Permits:	Land lease
Anticipated Determination:	Finding of No Significant Impact (FONSI)
Estimated Cost of Project:	$90,000.00
Time Frame:	Commencement of project upon completion of Chapter 343 environmental review

ACRONYM AND NAME REFERENCES

WKC:	West Kauai Compost
EPA:	Environmental Protection Agency
ADC:	Agribusiness Development Corporation
FONSI:	Finding of No Significant Impact
FOSI:	Finding of Significant Impact
DEA:	Draft Environmental Assessment
OEQC:	Office of Environmental Quality Control
HRS:	Hawaii Revised Statutes
HAR:	Hawaii Administrative Rules
CIA:	Cultural Impact Assessment
AIS:	Archeological Inventory Survey
FEA:	Final Environmental Assessment
FIRM:	Federal Flood Insurance Rate Map
SHPD:	State Historic Preservation Division
DOW:	Department of Water
BMP:	Best Management Practices
KIUC:	Kauai Island Utility Cooperative
LUC:	Land Use Commission
KAA:	Kekaha Agricultural Association
MOU:	Memorandum of Understanding

Shredco, LLC
West Kauai Compost
Kauai County Green waste Recycling & Processing Facility

Chapter 1

Overview and Technical Description

OVERVIEW

PROJECT PURPOSE & NEED

According to the US Environmental Protection Agency (EPA) nationally green wastes generated from landscapes and residential yards, and including food scraps, contribute to roughly 24 percent of the material entering the landfill. This material can be and should be ground –up, processed, and recycled into compost. Composting provides the benefit of utilizing our organic resources for applications in agriculture and landscaping while providing the long-term benefits for Kauai County of less waste in the landfill, new employment, and tax revenue. With our state's heavy dependence on outside recourses, this project literally does its part to reduce, reuse, and recycle. Composting is a natural form of recycling, which continually occurs in nature. An ancient practice, composting is mentioned in the Bible several times and can be traced to Marcus Cato, a farmer and scientist who lived in Rome 2,000 years ago. Composting is the fundamental soil enhancer, essential for maintaining fertile and productive agricultural land.

Composting is a natural biological process that accelerates the breakdown of waste materials. Composting is the transformation of organic material (i.e.: plant matter) through decomposition into a soil-like material called compost. Invertebrates (insects and earthworms), and microorganisms (bacteria and fungi) help in transforming the material into compost.

Technical Description

FOREWORD:

Shredco LLC is a Hawaiian owned small family business that is currently under contract with the County of Kauai to manage the green waste received at the Hanapepe Transfer Station and the Kekaha Landfill, under approval from Department of Health, Office of Solid Waste (DOH-SW).

TYPE AND SOURCES OF MATERIAL:

Shredco currently is under contract with the County of Kauai to grind and remove green waste dropped off by residential and small commercial haulers from the Hanapepe Transfer Station and the Kekaha Landfill (green waste drop-off area). Over the past 12 months Shredco has ground and removed a backlog of roughly 7,900 tons of material from the two sites. The bulk of the material is green waste that had been stockpiled at the two sites since 2007. Based on past years County records, Shredco anticipates grinding and hauling roughly 2,500 tons of material annually. The material will be exclusively green waste received from the two County sites. All material will be screened for contaminants prior to grinding.

SITE ANALYSIS:

The existing site, TMK 4-1-2-02: portion 1, is currently used for the land application of shredded green waste, in area and located immediately north of Kaumualii Highway in Kekaha, Kauai adjacent to Kekaha Pioneer Hi-Bred's Kekaha Plant and office. The site is bound on the South and West by agricultural water supply ditches and on the North and East by 4' 0" high x 4' 0" wide berms. The proposed operation will be entirely contained by these physical barriers Other than the green waste windrows; there will be no physical modifications to the existing site and no
structures or infrastructure will be constructed.

EQUIPMENT:

While Shredco uses a towable Olathe Tub Grinder to grind the material off-site and 33 cubic yard Roll-Off containers are used to transport the material, the equipment to be used

on site will be a Case 821 (or similar) five (5) cubic yard Front End Loader, a mobile PowerScreen screening unit and a 4,000 gallon Water Truck. A Komatsu PC75, Case 75 HP tractor, CAT 130 grader and CAT 325B Excavator are used for maintenance.

OPERATIONS:

The process will involve receiving the ground green waste at a minimum of once or twice a week and immediately placing the material in 12' 0” wide x 8' 0” high windrows. During placement additional water will be added to attain a roughly 60% moisture level.

The WKC project is necessary to address recent changes to the Federal Clean Water Act, including laws which ban the construction on new landfills. In addition, when completed, this project will provide additional capacity to the Kekaha Landfill.

Turning: The windrows will be turned weekly using a Case 821 Front End Loader or an excavator. During the turning additional moisture will be added to maintain a 50% moisture balance.

Monitoring: Temperatures will be monitored weekly at intervals of 20' along both sides of the windrows using a 48" probe temperature probe.

Final Screening: Once temperatures have dropped and the material stabilized the material will be screened using a PowerScreen and stockpiled for curing. All oversize material will be returned to the receiving area and added to the active composting windrows.

ENVIRONMENTAL CONTROLS:

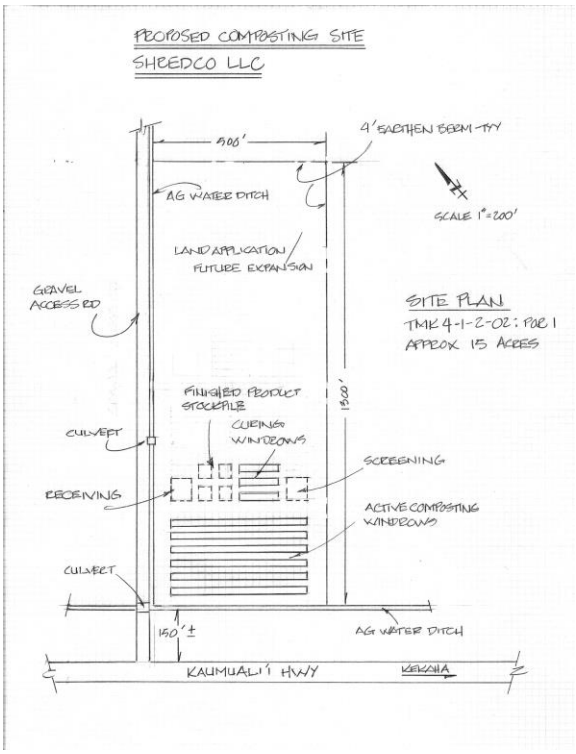
The site is entirely contained by elevated ditched and berms. All surface water will be contained on site. During the screening process the material will be kept moist to reduce air born dust and appropriate Best Management Practices (BMP's) will be employed to

ensure that short-term construction-related noise and temporary fugitive dust are mitigated. Should there be a need dust screens will be erected.

CLOSURE:

All material brought on to the site will be clean green waste, free of contaminants. Closure would entail regrind and/or removal of all under-composted material from the site. No environmental impacts are anticipated. The impact of this project area is limited only to land that was previously disturbed by past agricultural activities. A Finding of No significant Impact (FONSI) declaration will be included with the assurance of the FEA.

SITE PLAN



ENVIRONMENTAL REQUIREMENTS

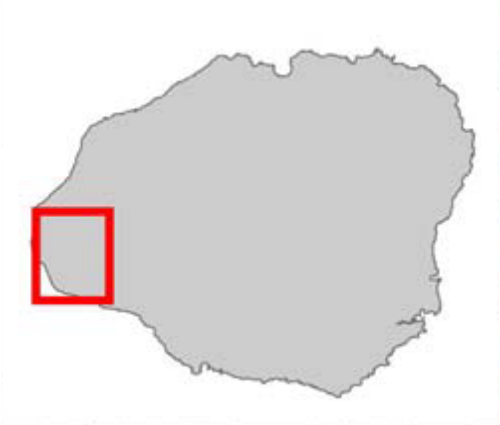
This Draft Environmental Assessment (DEA) has been prepared in accordance with the State of Hawaii, Office of Environmental Quality Control (OEQC) rules and regulations, including Chapter 343, Hawaii Revised Statutes (HRS), and Chapter 200 of Title 11, Hawaii Administrative Rules (HAR) Department of Health.

The Preparation of a DEA is a statutory requirement prior to, or in anticipation of the construction of a project where “significant environmental effects” will result from the proposed activity. There are total of nine (9) actions constituting Chapter 343, HRS, with one trigger specifically affecting this project. The purpose of a DEA is to assess the environmental impacts that a project may have, should the action be implemented, and to

serve as a clearinghouse for collection and dissemination of information. This review process is also a mechanism to evaluate a project's consistency and compliance with state and federal environmental programs and to propose, where possible, appropriate mitigation measures. If significant environmental effects are not identified through the environmental assessment, preparation of a full environmental impact statement is not required, and a "finding of no significant impact" may be issued by the approving authority.

The environmental review for the proposed green waste recycling & processing center consists of a DEA, followed by a Final Environment Assessment (FEA).
A Finding of No Significant Impact (FONSI) declaration will be included with the issuance of the FEA. Upon release of the DEA for public and agency review, a notice is published in "The Environmental Notice", which is a semi-monthly bulletin of the OEQC. Comments received during the course of the 30-day review and comment period will be incorporated into the FEA report along with agency correspondence and proposed mitigation measures.

GENERAL SITE AREA



Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 2

Affected Environment: Physical

PROJECT SETTING

WKC is located within Kekaha, Kauai, which is approximately 15 acres in area and located immediately north of Kaumualii Highway in Kekaha, Kauai adjacent to Kekaha Pioneer Hi-Bred's Kekaha Plant and office. The site is bound on the South and West by agricultural water supply ditches and on the North and East by 4' 0" high x 4' 0" wide berms. It is bound by Pioneer Seed Corn fields to the east and south, and Kekaha Landfill to the west and Kaumualii Highway to the north.

A. TOPOGRAPHY AND SOILS

The project area is comprised of flat, sandy soil. WKC has no plans to perform subsurface excavations. Necessary activities only include the importing of a temporary trailer, storage bins, and equipment storage. The waste majority of the WKC project site will be used for piling and spreading the green waste material.

Impacts and Mitigation Measures

There are no negative impacts on the project area, as the site is consistent with the prior agricultural use. This project will be completed in compliance with State Department of Health requirements.

B. FLORA AND FAUNA

There are no known endangered or threatened species of plant or animal life or significant habitats within the project area. Within the project area, there are beneficial soil organisms that not only make nutrients available to plants, they reduce disease, and reduce nutrient losses.

Forest bird species noted in the project area include Kauai ‘Amakihi (*Hemignathus kauaiensis*), ‘Apapane (*Himatione sanguinea*), and ‘Elepaio (*Chasiempis sandwichensis*).

Impacts and Mitigation Measures

No impacts to flora or fauna are anticipated to result from the proposed action. The lands are highly disturbed and the existence of endangered species is unlikely. Based on the past use of the lands, threatened or endangered birds have not been observed on the project site.

C. AIR AND NOISE QUALITY

WKC is located in a rural area, absent of large developments and air source contaminants. The area is consistently exposed to trade winds that contribute to the excellent air quality in the vicinity of the proposed action. Noise levels near the vicinity of the project area are very low. The only identifiable ambient air emission is from vehicle traffic use along Kaumualii Highway which yields ambient air quality levels typical of the islands rural setting.

Impacts and Mitigation Measures

There are no adverse long-term impacts to air and noise anticipated beyond short-term impacts attributable to operation related activities. Appropriate Best Management Practices (BMPs) will be employed to ensure that short-term operation-related noise and temporary fugitive dust are mitigated. Should noise levels exceed permissible sound levels, a noise permit will be obtained from the Department of Health, as stated in Title 11, HAR, Chapter 11-46, entitled “Community Noise Control.”

D. FLOOD AND COASTAL HAZARDS

The Federal Insurance and Mitigation Administration make flood insurance available through the National Flood Insurance Program.

According to Community Panel Number 150002 0156 D of the Federal Flood Insurance Rate Map (FIRM), the project area is within Zone X, 500 year flood with average depths of less than one foot. The area does fall within the Tsunami Inundation Zone, or area where flooding is by wave velocity. The proposed action is not anticipated to increase storm water runoff by significantly altering current ground drainage characteristics or changing existing drainage patterns.

Impacts and Mitigation Measures

No adverse effects from flood and tsunami hazards are anticipated to result from the proposed action. The project will not increase storm water runoff, altering ground drainage characteristics or change drainage patterns.

E. HISTORIC, ARCHEOLOGICAL AND CULTURAL RESOURCES

Located in the far southwest portion of the island of Kauai, the city of Kekaha has earned the reputation as the most "western" in the country and retains a history and a culture that is uniquely Hawaiian; additionally this region has a long history of sugar cane farming & processing which occurred at the Kekaha Sugar Mill and ceased operations in 2001.

Impacts and Mitigation Measures

Because the project area is limited only to land that was previously disturbed by the above mentioned agricultural activities, no adverse impact to historic or archeological resources is anticipated. However, in the event that cultural materials, including

burials, are uncovered during operation of WKC, all work in the area shall be suspended and the Office of Hawaiian Affairs (OHA), ADC, KAA, Department and the State of Hawaii, Historic Preservation Division will be notified directly to determine the appropriate course of action.

F. SCENIC AND OPEN SPACE RESOURCES

WKC lies on the flood plains, between Kaumualii Highway and Kokee. The project area is on ADC Lands which were historically farmed and managed by the Kekaha Sugar Company. There are no existing buildings on the property, and the operator has no plan to erect any farm buildings or warehouses.

Impacts and Mitigation Measures

WKC is not located in an area recognized to have scenic open space or view corridors. The project will be conducted on lands without scenic or open space planned by the state or county. The used of these lands has been historically for the agricultural industry, sugar cane until 2001.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 3

Affected Environment: Socio-Economic

A. POPULATION AND ECONOMY

The resident and the de-facto population continue to grow on Kauai. The resident population is estimated to be around 68,000, and the de-facto or visitor population is roughly at 30,000 at any point in time. West Kauai can be an economic center of the island (as was recognized by the early Hawaiians), with the Pacific Missal Range Facility (PMRF), Kauai Veterans Memorial Hospital (KVMH), National Aeronautic Space Administration (NASA), and Waimea Plantation Cottages (WPC), as major employers on the island. In addition to having one of three hospitals on the island, Waimea boasts having one of three high schools, and one of four small boat harbors. Local compost material is generally as good or better quality and less expensive than imported products which have high shipping costs and creates more waste with empty containers. Local compost adds microorganisms which are part of Hawaii's ecosystem and are good for local plants and vegetation. The use of imported compost may provide microorganisms which are not consistent with those found on the island.

Impacts and Mitigation Measures

The project will not have any negative impact upon population or change to demographic characteristics. During the construction phase, benefits will accrue to the local economy as a direct result of construction expenditures. Some beneficial impact will accrue from contributions made in the form of wages, salaries, and sales taxes, as well as goods and services purchased from local vendors.

B. TRADITIONAL BEACH AND MOUNTAIN ACCESS

WKC does not adjoin a beach. Shoreline access is currently available at “first ditch” and through the Mana Race Track.

Impacts and Mitigation Measures

The proposed action will not adversely impact traditional beach or mountain access, or other recreation activities to and from the shoreline.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 4

Affected Environment: Infrastructure

A. ROADWAYS

Kaumualii Highway, under jurisdiction of the State, is classified as a major thoroughfare and main arterial road connecting Kekaha with Lihue. Due to liability issues, the public access to WKC is not available. Access into the proposed WKC site is via a former cane haul road off Kaumualii Highway.

Potential impacts and Mitigation Measures

Vehicular access is adequate to support the proposed activity with no appreciable impact of vehicles or roadway traffic near the project corridor. During the operations, WKC will work normal business hours of the day, roughly from 7:30 AM to 5:30 PM.

B. WATER AND INFRASTRUCTURE

The County's Department of Water provides municipal water service for the island. Water lines are generally located in streets and distribute potable water for domestic, industrial and commercial consumption.

Potential Impacts and Mitigation Measures

The proposed action is not expected to generate a significant demand for water, and The Department of Water will be consulted during project design.

C. DRAINAGE

The proposed activities will not increase the impervious area of the site. The site is relatively flat and the existing sandy soil provides good permeability, thus making for slow storm run offs. During the screening process the material will be kept moist to reduce air born dust and appropriate BMP's will be employed to ensure that short-term operation-related temporary fugitive dust is mitigated.

Potential Impacts and Mitigation Measures

Although the site is located at the highest elevation of the parcel, BPM's will be used during the collection process which does not require water or a drainage solution.

D. COMMUNICATIONS AND POWER

The Kauai Island Utility Cooperative (KIUC) is the local utility providing electrical power to service residential and commercial customers on the island. The project area has a major overhead pole line system runs along Kaumualii Highway. Hawaiian Telecom is the company that currently provides land line telephone service to customers on the island. Several carriers provide wireless telephone services.

Potential Impacts and Mitigation Measures

The proposed action will have no impact on communication or power service. Electric capacity for the project site is adequate to support maintenance operations.

E. WASTEWATER

WKC is not located in the Waimea Wastewater Treatment Plant (WWTP) service area.

Potential Impacts and Mitigation Measures

There is no need for permanent waste water service for the site. At is time it is a 'drop only" area with no full time manned position. If there is a time in the future were more on site management is required, a portable restroom will be located on site and be services per a standard rental agreement as articulated by the rental company.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 5

Relationship to Governmental Plans, Policies, and Controls

STATE LAND USE DISTRICT

The State Land Use Commission (LUC), established by Chapter 205-18, HRS, gives the Office of State Planning authority to designate all lands in the State into one of four districts: Urban, Rural, Agricultural, or Conservation. WKC is located within lands that are classified as "Agriculture District" by the State Land Use Commission.

COUNTY ZONING DISTRICT

County zoning provides a detailed set of regulations affecting land development, prior to actual construction. Zoning is typically limited to land classified as Urban within the State land use system. The project site is zoned "Agricultural" by the County of Kauai. The proposed action is consistent with this zoning.

GENERAL PLAN

The County of Kauai General Plan was updates and adopted in November 2000. The General Plan is a community-driven plan that establishes policy for long-range development, conservation, use and allocation of land, water, and other resources in the County. The Kauai General Plan includes numerous vision statements and policies for the six (6) development plan areas to achieve specific implementing actions. The following General Plan policy statements are applicable to the proposed action:

Policy

2.2 VISION FOR KAUAI 2020

The Vision describes conditions on Kauai in the year 2020 and is written from the perspective of that point in time. It reflects not only the Community values, but also the issues and opportunities foreseen by community members. The Vision expresses what Kauai should strive for, in the context of realistic conditions as they are understood in 1999. The Vision is presented first in summary, then in a longer narrative.
a community which cares for its land and waters, leading the way with best management practices in the development of roads and other public facilities and in It's land development and environmental regulations;

Response

WKC supports the community values through excellent stewardship of the natural recourses, caring for the land and water while providing a new source of income for the County.

Policy

A Strong, Diverse Economy

"Kauai's economy is strong, stable and diversified. While the visitor industry still provides the largest number of jobs (30-35 percent of total jobs), new businesses in diversified agriculture, aquaculture and high technology provide an increasing proportion of total jobs. Job opportunities are many and varied, with wages that allow people to comfortably support their families";

Response

WKC is a small family business that intends to provide needed new agricultural jobs for members of the communities of the west side of Kauai.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 6

Alternatives to the Proposed Action

PREFERRED ALTERNATIVE

The proposed action represents the preferred alternative. The project will comply with federal, state and local laws and requirements and seeks to improve the life quality and environment.

NO ACTION ALTERNATIVE

Without completion of the proposed action, there will be a significant amount of natural green waste which will have to be disposed of in our already taxed land fill. In addition to wasted land fill space, the end product, mulch, provides a valuable commodity to the agricultural community on our island which would be lost. Do to the fact that this is an above ground process that does not drain the soil of nutrients; it provides the least evasive use of the land. Without the proposed action, there is very limited supervision of the property which may allow illegal dumping to occur, and potential contamination of the land.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 7

Anticipated Determination – Findings and Reasons

CHAPTER 7
ANTICIPATED DETERMINATION – FINDINGS AND REASONS

The "Significance Criteria" as set forth in Section 12, Chapter 200, Title 11 of the Hawaii Administrative Rules regarding Environmental Impact Statement Rules, were reviewed and analyzed to determine whether the project would have significant impacts on the environment. The following analysis is provided:

1. No irrevocable commitment to loss or destruction of any natural or cultural resource.

The proposed action will not adversely impact natural or cultural resources. There will be no destruction or loss of threatened or endangered plant or animal species. There will be no impact to sites of historic or cultural significance. The project will reduce the amount of landfill space which has been estimated at 10+%. Preliminary review of the project indicates that there will be no significant adverse environmental impacts, as these lands have been use for agricultural purposes and the project will only support additional agricultural activities. This project will be monitored by Kekaha Agricultural Association (KAA). KAA has a MOU with ADC, and under this agreement KAA is responsible for managing the common areas of the Kekaha Agricultural Lands. KAA is a non-profit organization established in 2002 to manage, operate and maintain a vast network of roads, agricultural irrigation waters, and the use of lands totaling approximately 12,500 acres. The impact of this project area is limited only to land that was previously disturbed by agricultural activities.

2. The proposed action will not curtail the range of beneficial uses of the environment.

This project will strengthen rather than curtail these functions. With the elimination of green waste from our land fill, the proposed action leaves more productive agricultural lands available, rather than reducing the amount useable area, and eliminates the additional burn placed on the already taxed county land fill.

3. Does not conflict with the State's long-term environmental policies or goals or guidelines as expressed in Chapter 344, HRS.

Within the agricultural district, all lands with soil classified by the land study bureau's detailed land classification as overall (master) productivity rating class A or B shall be restricted to the following permitted uses which will support the long term goals of:

(1) Cultivation of crops, including crops for bio-energy, flowers, vegetables, foliage, fruits, forage, and timber.

4. Does not substantially affect the economic or social welfare of the community or State.

The project will not negatively impact either the economics, social welfare, or the cultural practices of the community or state due to the fact that the project area will support the consistent use of those lands, and the limited area of the project does not put at risk any social welfare of the community or state. Government agencies, such a state highway and parks departments, can use compost in construction and beautification of highways and parks. Compost also can be used on agricultural land, in nurseries and greenhouses, on golf courses and by landscapers and homeowners.

5. Does not substantially affect public health.

The project will not affect public health. Potential positive impacts to public health are: Improved soil quality, and reduced potential for destructive grading while reducing debris which has accumulated on the perimeter of the project area. The project land use is consistent with the activities in terms of, equipment and hours of operation of those of the seed-corn companies currently operating on adjacent parcels.

6. Does not involve substantial secondary impacts, such as population changes or effects on public facilities.

The proposed project does not create any secondary impact to the County of Kauai. The project will be run by a local family and if and when needed, they will provide employment opportunities to existing local residents, creating no impact to our islands current population. The area is gated and locked during off business hours, and there is no requirement for use of any public facilities for this proposed composting project.

7. Does not involve a substantial degradation of environmental quality.

The purpose of this project is to improve the quality of Kauai's agricultural lands by reducing the unnecessary space green waste would require in our landfills. These actions will improve, not detract from the environment by creating a product specifically used by the agricultural industry.

8. The proposed action does not involve a commitment to larger actions.

The project supports ongoing and future management to benefit the project area but does not involve a commitment for larger actions. The area for composting is specific, and there has no plans to expand the scope of work identified in this DEA. This project, over time, may create a greater need for this valuable service in order to fully utilize as much green waste resources as possible.

9. Does not substantially affect rare, threatened, or endangered species or their habitats.

The proposed project does not substantially affect rare or threatened species or their environment, and should be considered one of the least evasive activities that will have been conducted on these lands in the past 100 years. While in operation the site will remain much as it is now with the exception of compost piles and limited equipment.

10. Does not detrimentally affect air quality, water quality, or ambient noise levels.

This composting project operates similar to the agricultural operations conducted on adjacent parcels, requiring some of the same type of equipment, but much less on a much smaller scale. The distance to the nearest residence is approximately 0.6 miles, creating no ambient noise issues for local residents.

11. Would not affect environmentally sensitive area such as flood plains, tsunami zones, erosion-prone areas, geologically hazardous lands, estuaries, fresh waters, or coastal waters.

The project will not negatively affect an environmentally sensitive area nor suffer damage due to the fact that the project location on currently un-used agricultural lands, and uses existing agricultural vehicle dirt access roads. The best management practices will be used to prevent and minimize any anticipated short-term impacts, and are not anticipated to result in long-term damage to any of the lands.

12. Would not substantially affect scenic vistas and view planes identified in county or state plans or studies.

The project will not have any substantial effect on any scenic vistas or view planes. The project area is located in a gated portion of the Kekaha agricultural land, and there are no plans identified by the state or by the county to create vista or view plane on this parcel.

13. Does not require substantial energy consumption.

Energy consumption for this project will be of a short duration and not substantial.

Based on the foregoing findings, the proposed activity is not anticipated to result in any significant impacts on the environment, as defined by Section 11-200-12, Hawaii Administrative Rules, Hawaii Department of Health. A FONSI declaration is being included with the assurance of the FEA.

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 8

List of Permits and Approvals

CHAPTER 8
LIST OF PERMITS AND APPROVALS

The following permits and approvals will be required prior to the implementation of the project.

State of Hawaii

1) Agricultural Development Corporation (ADC) Exemption – *Approved*
2) Agricultural Development Corporation (ADC) Environmental Review and Determination – *Pending*
3) *Hawaii Department of Health solid & Hazardous Waste Division, Solid Waste Management Facility Permit - Approved*

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 9

Parties to be Consulted during the Review of the Environmental Assessment

Consultation List

Department of Transportation
1720 Haleukana Street
Lihue, HI 96766

Office of Hawaiian Affairs
711 Kapi'olani Blvd., Suite 500
Honolulu, HI 96813

Department of Health
4444 Rice St # 275
Lihue, HI 96766-1340

State of Hawaii & County of Kauai Draft Environmental Assessment Distribution List

Office of Environmental Quality Control
235 South Beretania Street, Suite 702
Honolulu, Hawaii 96813

Hawai`i Department of Agriculture
1428 S. King Street
Honolulu, HI 96814
Ph: 808 973-9560

Department of Business, Economic Development & Tourism
Energy Division
P.O. Box 2359
Honolulu, HI 96804
No. 1 Capitol district Building
250 South Hotel Street
Honolulu, HI 96803

Department of Defense
3949 Diamond Head Road
Honolulu, HI 96816-4495
(808) 672-1207

Department of Education
Hawaii State Department of Education
P.O. Box 2360, Honolulu, HI 96804
(808) 586-3230

Department of Hawaiian Home lands
Hale Kalaniana'ole, 91-5420 Kapolei Parkway
Kapolei, HI 96707
(808) 620-9500

Department of Health
Kinau Hale
1250 Punchbowl Street
Honolulu, HI 96813
(808) 586-4400

Department of Human Services
1390 Miller Street, Room 209
Honolulu, HI 96813
(808) 586-4999

Department of Land and Natural Resources
Kalanimoku Building
1151 Punchbowl Street
Honolulu, HI 96813
(808) 587-0400

Department of Land and Natural Resources
Historic Preservation Office
Suite 555 of the Kakuhihewa Building
601 Kamokila Blvd., Kapolei, Hawai`i, 96707
(808) 692-8015

Department of Transportation
Aliiaimoku Building
Room 509
869 Punchbowl Street
Honolulu, HI 96813
(808) 587-2150

Office of Hawaiian Affairs
711 Kapi'olani Blvd., Suite 500
Honolulu, HI 96813
Phone: (808) 594-1835

University of Hawaii Environmental Center
University of Hawaii
Environmental Center
Krauss Annex 19
2500 Dole Street
Honolulu, HI 96822
(808) 956-7361

County of Kauai

Department of Parks & Recreation
4444 Rice Street # 105
Lihue, HI 96766-1340
(808) 241-4463

Department of Planning
4444 Rice Street # 473
Lihue, HI 96766-1326
(808) 241-4050

Department of Public Works
4444 Rice St # 275
Lihue, HI 96766-1340
(808) 241-4854

Department of Water
4398 Pua Loke Street
Lihue, HI 96766-1600
(808) 245-5442

Fire Department
4444 Rice Street
Lihue, HI 96766
(808) 241-6515

Police Department
3990 Kaana Street # 200
Lihue, HI 96766
(808) 241-1711

County of Kauai, Lihue Public Library
4344 Hardy Street
Lihue, Kauai, HI 96766-1251
(808) 241-3222

Kekaha Agricultural Association
8315 Kekaha Rd # E
Kekaha, HI 96752
(808) 337-9262

Department of Transportation
1720 Haleukana Street
Lihue, HI 96766

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 10

Agricultural Development Corporation (Approving / Lead Agency) Certification

CHAPTER 10
CERTIFICATION

_____ **Finding of No Significant Impact (FONSI**)
The project will not result in a significant negative impact on the quality of the human environment.

_____ **Finding of Significant Impact.**
The project may significantly affect the quality of the human environment.

Preparer Signature:

_____ _____

Danford M. Kaeo
Operations Manager

Date

Responsible Entity, Agribusiness Development Corporation Approving Official Signature:

_____ _____

Alfredo A. Lee / Executive Director
Agribusiness Development Corporation

Date

Shredco, LLC
West Kauai Compost
Green Waste Recycling & Processing Facility
Island of Kauai

Chapter 11

Agency Comments and Proposed Mitigation Measures

CHAPTER 11
Agency Comments and Proposed Mitigation Measures

NEIL ABERCROMBIE
GOVERNOR OF HAWAII

GARY L. GILL
ACTING DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File:

December 26, 2013

S1238LO

Mr. Sean Combs
Land Strategies Hawaii
P.O. Box 1174
Kapaa, HI 96746

Dear Mr. Combs:

SUBJECT: Draft Environmental Assessment
West Kauai Compost Green Waste Recycling and Processing Facility
Kekaha, Island of Kauai
Tax Map Key: 4-1-2-002:001

The Department of Health, Solid Waste Section received a copy of the subject Draft Environmental Assessment (DEA) on November 27, 2013. This letter provides our comments on the proposed project.

Shredco, LLC is proposing to develop and operate the West Kauai Compost Green Waste Recycling and Processing Facility which will utilize organic waste for composting. The organic waste is to include greenwaste and food scraps. The proposal states that the greenwaste and food scraps will be processed and recycled into compost utilizing windrows.

Our primary concerns with the proposal are the potential environmental impacts of odors and vectors related to the receiving, processing, and composting of the food scraps. We have the following recommendations for your inclusion in the final environmental assessment:

1. Discuss the sources, types, and quantities of food scraps to be used in the composting project;

2. Describe the potential impacts of receiving, storing, processing, and composting food scraps at the subject site;

3. Provide a conceptual facility design that includes environmental controls that will be built to adequately prevent potential impacts. The DEA states that windrows

will be utilized for composting. However, because of its odorous nature, this is not a recommended composting method for feedstock such as food scraps. The design of your environmental controls will likely vary depending on the type of food scraps; and

4. Discuss of the composting operations will meet Hawaii Administrative Rules (HAR), Chapter 11-58.1-41 *Composting Facilities* for pathogen reduction requirement. HAR Chapter 11-58.1-41 can be found at: http://health.hawaii.gov/shwb/files/2013/06/11-5811.pdf.

Shredco, LLC currently holds a solid waste management permit (CO-0093-11) to compost limited quantities of greenwaste on the subject parcel. A modification to this permit will be required prior to construction of any environmental controls for the food waste composting operation, and the acceptance of food waste at the subject facility. We will address our detailed concerns over compliance with solid waste regulations through the permit review process.

Please contact Ms. Sue Liu of our Solid Waste Section at (808) 586-4226 with any questions regarding these comments.

Sincerely,

STEVEN Y.K. CHANG, P.E., CHIEF
Solid and Hazardous Waste Branch

Mr. Steven Y. K. Chang, P. E., Chief
Solid and Hazardous Waste Branch
Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378
April 7,2014.

Subject: Environmental Assessment for West Kauai Compost Green Waste Recycling and Processing Facility Kekaha, Island of Kauai, TMK: 4-1-2-002:001.

Dear Mr. Chang,

Thank you for your letter commenting on the Environmental Assessment (EA) for the West Kauai Compost Green Waste Recycling and Processing project. The final EA will include your recommendations one (1) through four (4) as noted in your comment letter dated December 26, 2013, as well as this response to that letter.

1. The green waste recycling and processing project is intended to receive only green waste, defined as; "Green waste" means solid waste that includes leaves, grass clippings, garden and yard wastes, tree trunks, holiday trees, tree trimmings, and/or prunings. Food scraps will not be received/included as part of this project.

2. Food scraps will not be received, stored, processed and composted at the subject site. The material to be used will be received from the County's greens waste transfer stations.

3. The conceptual facility design calls for rows of green waste material separated by large access paths, and an open perimeter zone of approximately sixty (60) feet wide.

4. The composting operation meets Hawaii Administrative Rules (HAR) Chapter, 11-58.1-41, because the material is consistent with the defined description of Green Waste and the method of Composting. "Green waste" means solid waste that includes leaves, grass clippings, garden and yard wastes, tree trunks, holiday trees, tree trimmings, and/or prunings. "Composting" means a process in which green or yard waste materials, and non-treated wood chips and shavings, are biologically decomposed and stabilized under controlled conditions to produce a stable humus-like mulch or soil amendment. This term includes the processing of organic and non-treated wood waste materials for the generation of wood chips or other materials that can be used as soil amendment, planting mixes, mulches for horticultural and agricultural applications, landfill cover, and land reclamation. The process of composting under methods approved by the department is a recycling activity.

We appreciate your participation in the EA process

Sincerely,

Sean Combs
Land Strategies Hawaii
P.O. Box 1174 Kapaa, HI 96746

NEIL ABERCROMBIE
GOVERNOR

GLENN M. OKIMOTO
DIRECTOR

Deputy Directors
FORD N. FUCHIGAMI
RANDY GRUNE
AUDREY HIDANO
JADINE URASAKI

IN REPLY REFER TO:
DIR 1657
HWY-PS 2.6605

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

FEBRUARY 28, 2014

TO: SCOTT E. ENRIGHT
CHAIR
DEPARTMENT OF AGRICULTURE

ATTN: IVAN KAWAMOTO
AGRIBUSINESS DEVELOPMENT CORPORATION

FROM: GLENN M. OKIMOTO, PH.D.
DIRECTOR OF TRANSPORTATION

SUBJECT: DRAFT ENVIRONMENTAL ASSESSMENT (EA)
WEST KAUAI COMPOST, SHREDCO, LLC
KAUAI, KEKAHA, TMK: (4) 1-2-002:001: POR. 1

Thank you for transmitting the Draft EA for the subject project for our review and comments. The proposed West Kauai Compost Project provides for the accumulation, shredding and composting of green waste for the County of Kauai on lands near Kekaha on the Island of Kauai. The processing and composting site will have access via a cane road to Kaumualii Highway, State Route 50.

Although the Department of Transportation does not anticipate that the proposed project will have a significant impact to Kaumualii Highway, the proposed project shall be subject to the following conditions:

1. The applicant's access driveway onto our highway shall be designed to current State/AASHTO Highway Design Standards and Specifications.

2. Plans for work done within Kaumualii Highway right-of-way shall be submitted to the Highways Division, Kauai District for review and approval. Access driveways connecting to our highways must be paved between the edge of existing pavement and State highway right-of-way line.

3. There shall be no additional surface water runoff that discharges onto Kaumualii Highway caused by this driveway access construction.

4. Applicant shall monitor vehicular activities on this agricultural parcel and use best management practices to prevent debris, such as gravel, dirt, mud, etc. from being tracked onto Kaumualii Highway.

If you have any questions, please contact Gary Ashikawa, Systems Planning Engineer, Highways Division, Planning Branch at 587-6336.

c: Land Strategies Hawaii

Mr. Glenn M. Okimoto, PH.D.
Director of Transportation
Department of Transportation
869 Punchbowl Street
Honolulu, HI 96813-5097
April 7, 2014.

Subject: Draft Environmental Assessment (EA) for West Kauai Compost Kekaha, Kauai, TMK: 4-1-2-002:001.

Dear Mr. Okimoto,

Thank you for your letter commenting on the Draft Environmental Assessment (EA) for the West Kauai Compost Green Waste Recycling and Processing project. The final EA will include your recommendations as noted in your comment letter dated February 28, 2014, as well as this response to that letter.

1. The access point onto the highway from the project site utilizes an existing driveway which has been used by Agribusiness Development Corporation and its leases prior to this project. Access to and from the site will be extremely minimal, however if any improvements were to be required, they would be designed to current State/AASHTO Highway Design Standards and Specifications.

2. Any plans for work done within Kaumualii right-of-way will be submitted to the Highways Division, Kauai District for review and approval.

3. We acknowledge there will be no additional surface water runoff that discharges onto Kaumualii Highway, as there is no driveway access construction planned.

4. As part of our Best Management Practices, we will monitor all vehicular activities on this agricultural parcel to prevent debris, gravel, dirt, mud, leaves, grass, etc. from being tracked onto the Highway.

We appreciate your participation in the EA process.

Sincerely,

Sean Combs
Land Strategies Hawaii
P.O. Box 1174 Kapaa, HI 96746

Addenda

List of Figures

Figure 1: Tax Map
Figure 2: Flood Map
Figure 3: Site Map
Figure 4: Kauai Land Use District Map
Figure 5: Soils Map
Figure 6: Compost pile pictures

SOURSE REFERENCE

1. County of Kaua'i Solid Waste Division http://www.kauai.gov/default.aspx?tabid=121
2. Shredco LLC business Plan
3. Department of Environmental Services Hawaii - web site
4. Honolulu Advertiser " Green waste Recycling Problem"
5. Hawaii Department of Environmental Management www.hawaiizerowaste.org/recycle/greenwaste
6. E Malama Ka Aina http://www.co.hawaii.hi.us/env_mng/swm/GreenWaste%20Flyer.pdf
7. Waste Management , Recycling http://www.wm.com/index.jsp
8. Kauai Agricultural Association, Director, Landis Ignacio
9. MANAGEYOURWASTE, http://pimawasteaz.com/

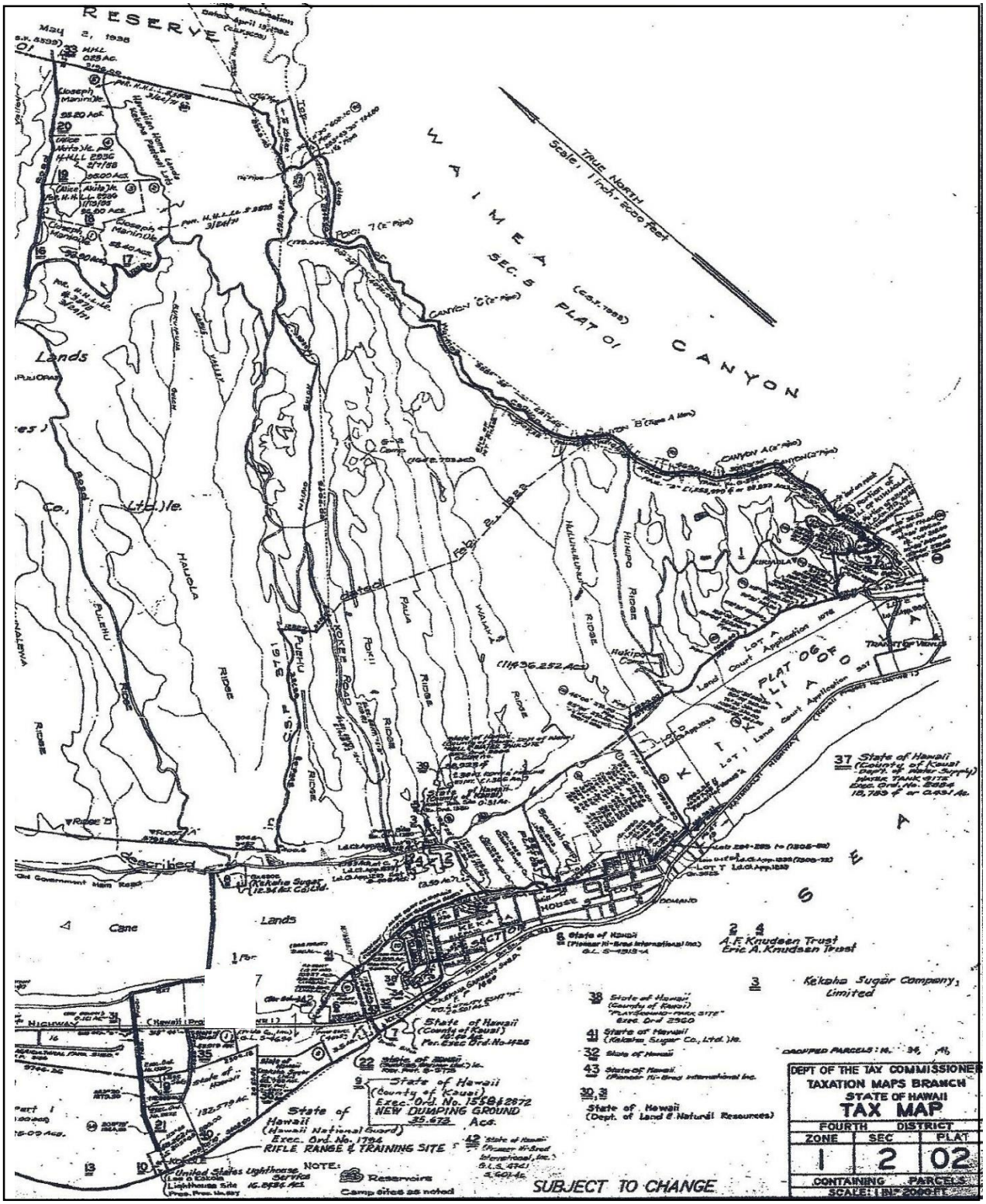


Figure 1: Tax Map

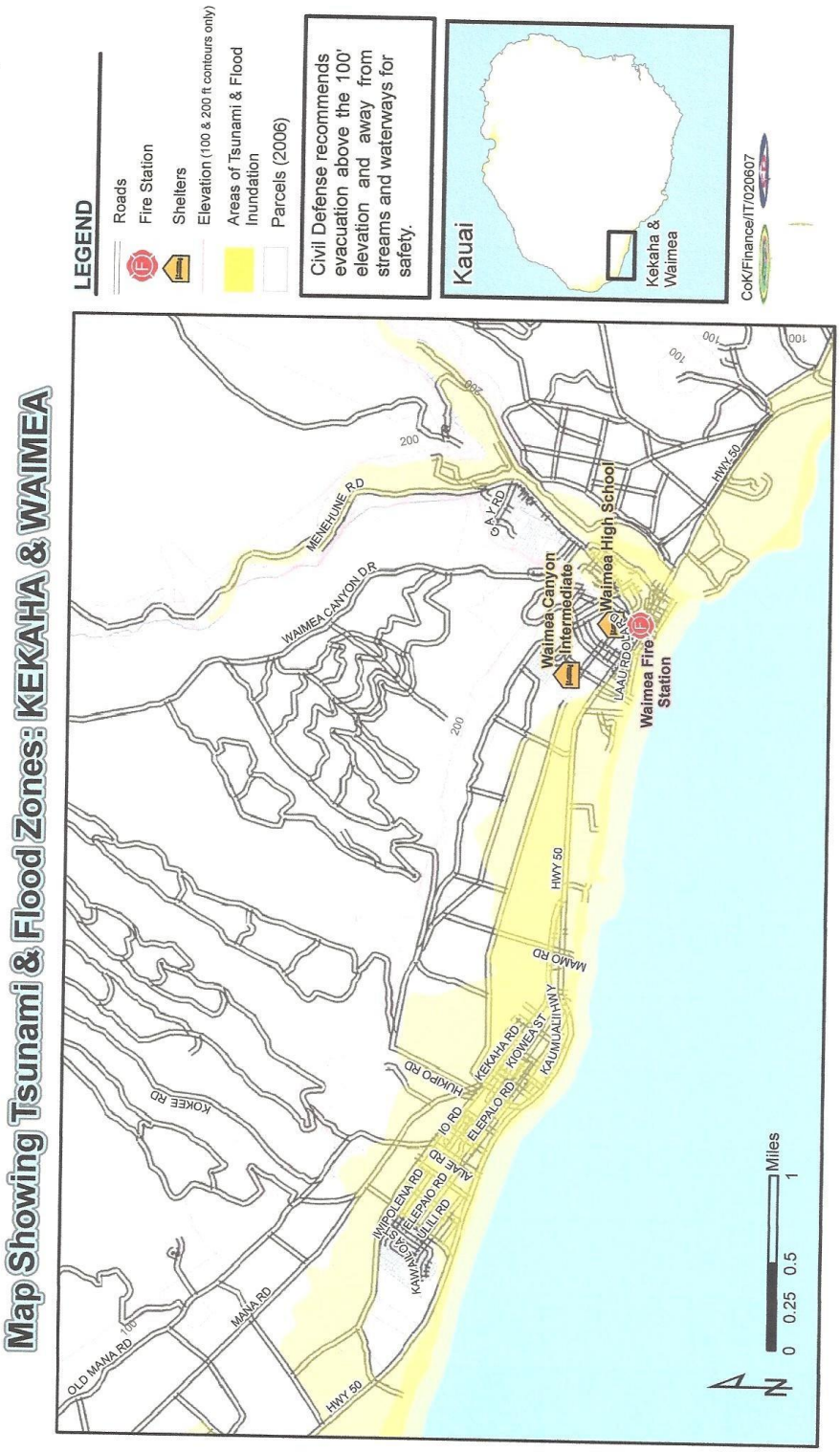


Figure 2: Flood Zone Map

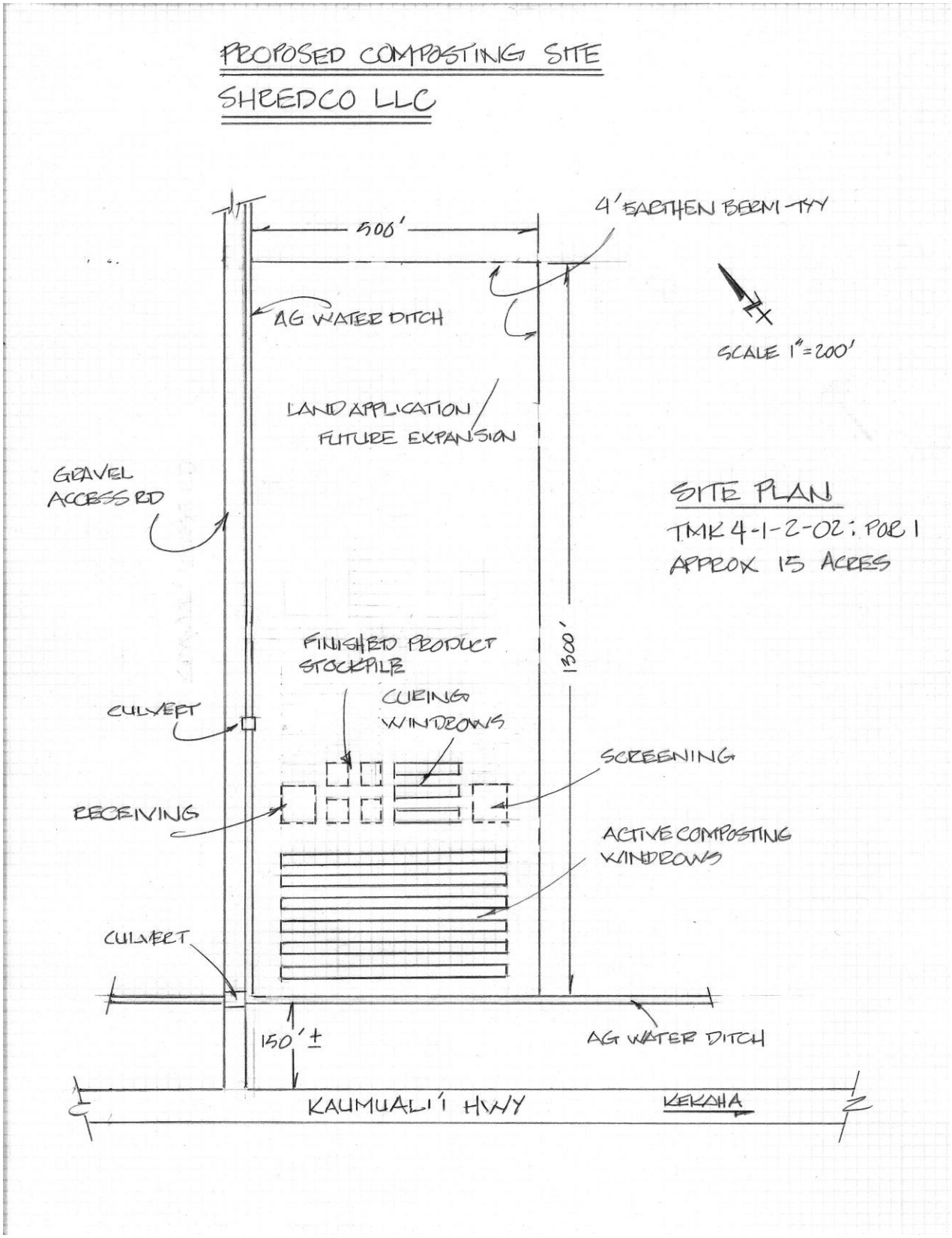


Figure 3: Site Map

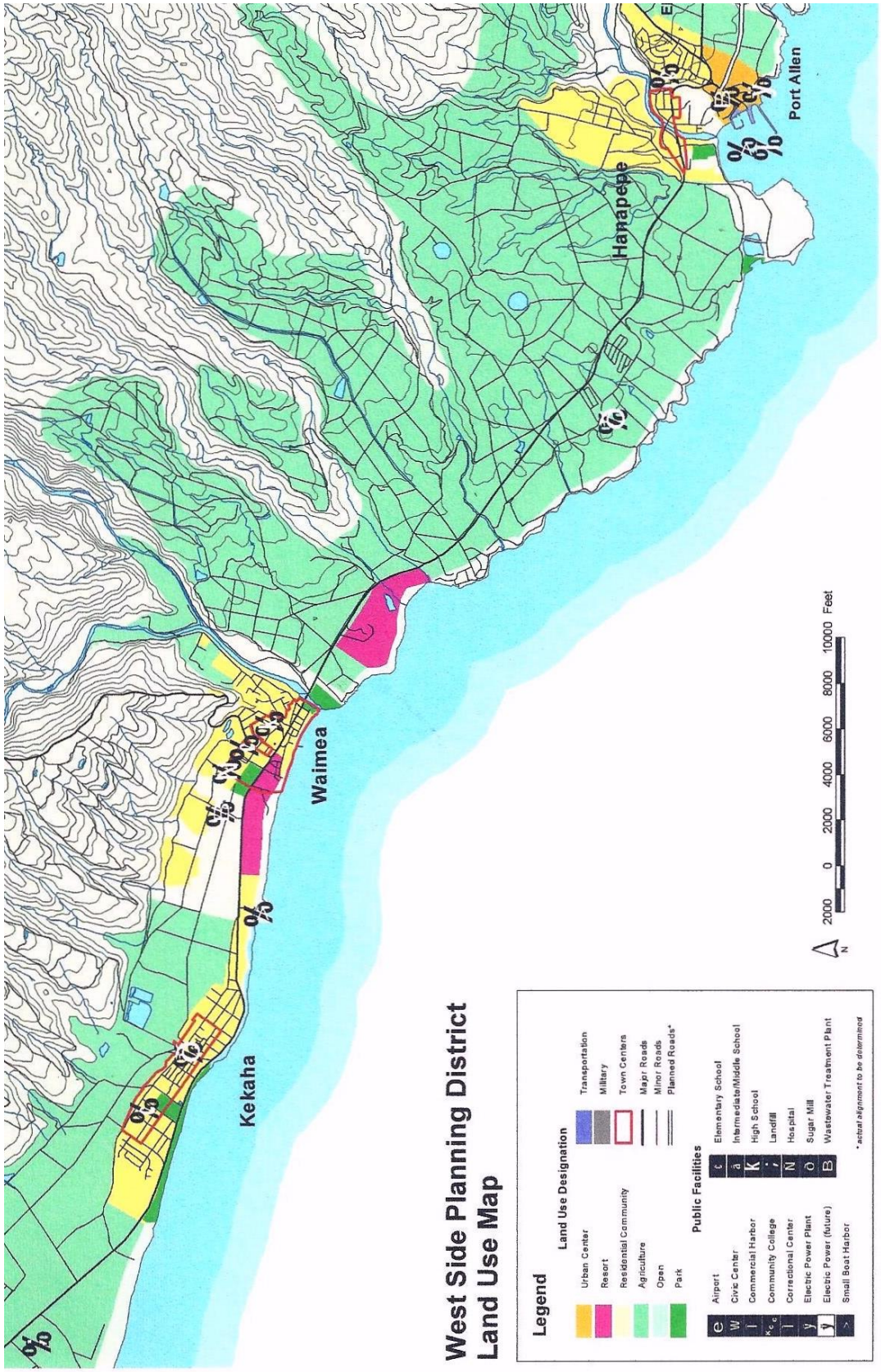


Figure 4: Kauai Land Use District Map

Facing West Compost pile

Facing North finished Compost pile

Facing West open project area

Figure 6: Compost pile pictures