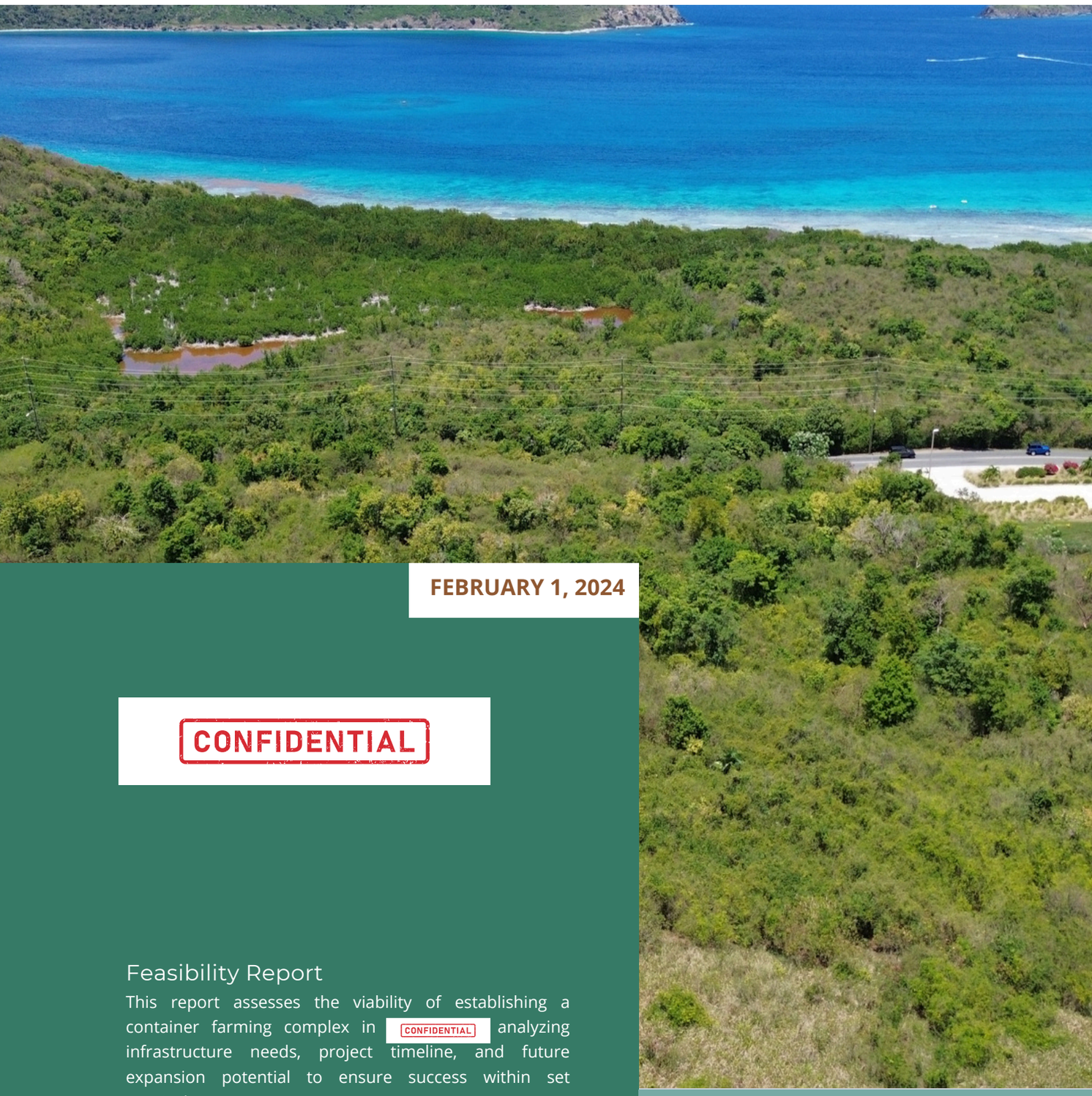

FEBRUARY 1, 2024

CONFIDENTIAL

Feasibility Report

This report assesses the viability of establishing a container farming complex in CONFIDENTIAL analyzing infrastructure needs, project timeline, and future expansion potential to ensure success within set constraints.

PREPARED FOR:

CONFIDENTIAL

FARM ANYWHERE
farming the future

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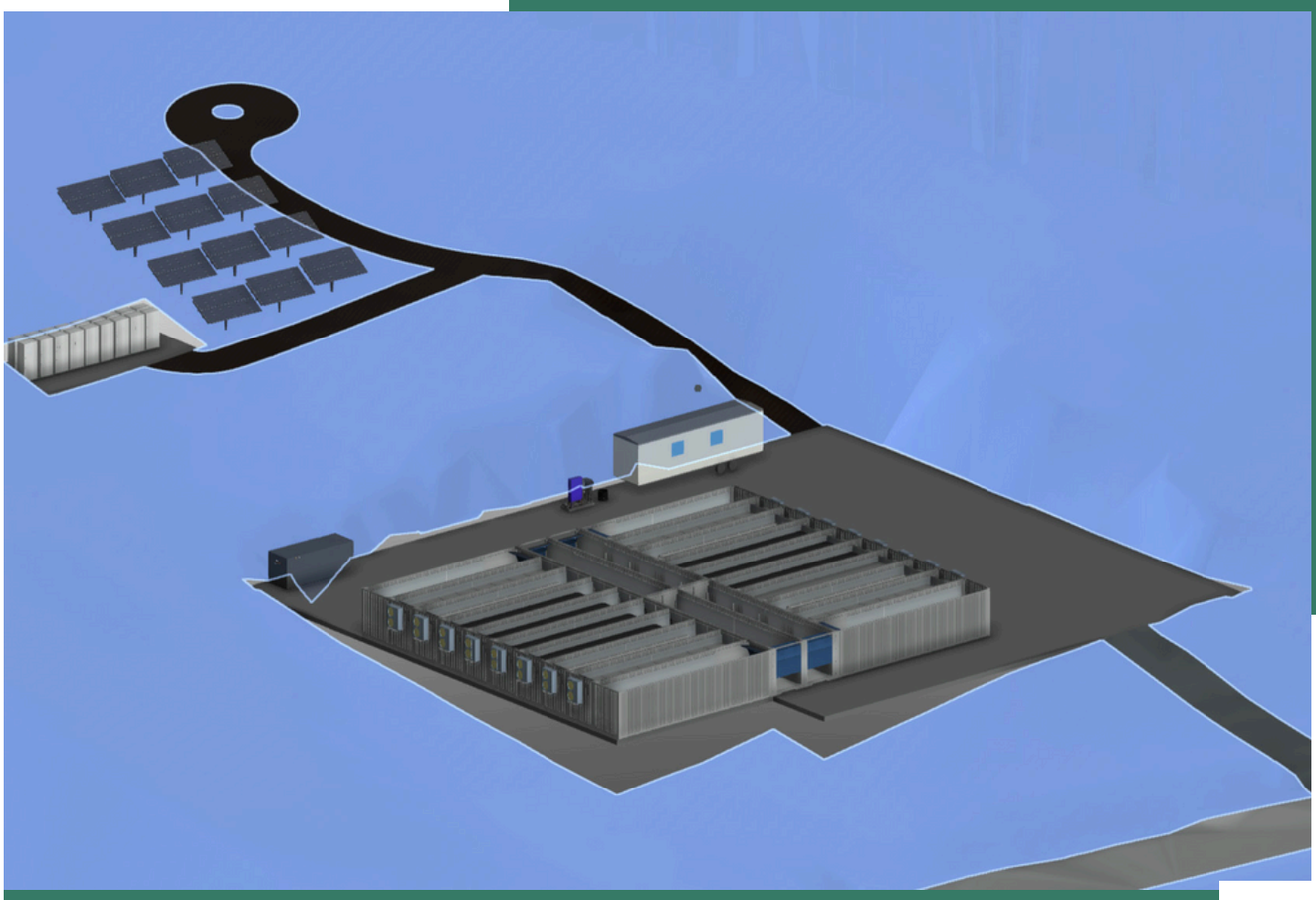

2024-25

PROJECT INTRODUCTION

This project aims to develop a sustainable, off-grid container farming complex in CONFIDENTIAL to enhance local food security and reduce dependency on imported produce. Leveraging advanced agricultural technologies, the facility will optimize land use, water consumption, and waste. Objectives include producing consistently nutrient-rich crops, providing community education, and offering job opportunities.

The initiative aligns with environmental sustainability, philanthropic goals, and aims to boost the local economy. Success is defined by operational deployment, initial system training, crop recommendations, production off-grid, profitability, and offering affordable produce to the community

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PROJECT

OVERVIEW

The objective is to clear the land and establish a level pad on one side of the property to accommodate the placement of 24 containers, ensuring the property remains under 1 acre to ease permitting issues. This involves two main tasks: land clearing and pad establishment. Land clearing will entail removing all vegetation, debris, and existing structures from the designated area, ensuring that the removal process complies with environmental regulations. Establishing a level pad will require conducting a topographical survey to determine the existing land profile .

The land will be graded to achieve a stable, level surface suitable for container placement by employing necessary machinery and techniques. Based on engineer recommendations, three layout options have been deemed viable: Linear Arrangement, where 24 containers are aligned in a single row or two parallel rows to maximize ease of access and straightforward utility connections ; Cluster Configuration, where containers are arranged in small groups to create distinct operational zones and facilitate better resource management and flow ; and Grid Layout, which places containers in a grid formation to optimize space usage and allow for modular expansion, thereby supporting comprehensive land utilization and efficient resource distribution .

Power

The CONFIDENTIAL Container Farming Complex will be a 100% off-grid facility, powered primarily by solar energy with generator backup. Solar panels from ProSolar USVI will optimize available solar irradiance. Tesla or CATL batteries will store excess energy. Dual-fuel generators will ensure continuous power. Energy-efficient systems, advanced power management, and modular battery banks will maintain sustainable operations, averaging 4000 kWh/day.

Water

The CONFIDENTIAL Container Farming Complex will utilize rainwater harvesting and atmospheric water generation for water supply. Adequate storage tanks will be installed. Efficient nutrient film technique and automated controls will be implemented. Wastewater will be recycled, and quality regularly tested to meet standards.

Virtual Tour Of The Farm Options

Option 1 : CONFIDENTIAL
Option 2 :
Option 3 :

Please note that these options do not indicate a preference for one design over another.

PROPOSED SITE

SERVICES & CHECKLIST

6 CONFIDENTIAL

Located at CONFIDENTIAL this property emerges as an exceptional choice for establishing a farm. A prime feature of this locale is the abundant sunlight, which makes it ideal for setting up a solar field, ensuring sustainable and efficient energy production to power farm operations. Beyond the ample sunlight, the expansive size of the property provides ample space for diverse agricultural pursuits and the implementation of various farming techniques.

Furthermore, its strategic location facilitates swift and efficient distribution across the CONFIDENTIAL ensuring that fresh produce and goods can reach markets and consumers rapidly. Accessibility and proximity to key transportation routes make this site a logistical gem, reducing delivery times and enhancing overall operational efficiency. The combination of natural resources, property size, and strategic positioning makes this location a compelling opportunity for agricultural endeavors in the heart of the .

Site Checklist

1.	Google Maps Coordinate	CONFIDENTIAL
2.	Power	On-Site Solar Field to Be Built
3.	Zoning	Commercial
4.	Clearing	No, but will be cleared for construction
5.	Fresh Water	Yes and Rainwater Collection
6.	Gray Water	Unknown
10.	Sewage Present or Septic	No
11.	LP Gas	No