

# Full Design Narrative and Scope: Enouf Permaculture Garden Project

## 1. Project Overview:

The Enouf project, named after the historical neighborhood designation, is a permaculture garden initiative located in Fond-des-Blancs, Haiti. This project aims to address food insecurity, promote sustainable agriculture practices, and serve as an educational model for the community.

## 2. Site Analysis:

**Climate:** The area experiences harsh summers with constant heat and a distinct rainy season prone to heavy storms and flooding.

**Soil:** Currently poor, facing erosion and degradation challenges.

**Water:** Property is near a river, susceptible to flooding. Good potential for rainwater harvesting.

**Sectors:** Significant water flow during storms; shady areas provide relief from heat.

**Zones:** Improvements begun in Zone 1; driveway serves as both access and water route during rains.

**Existing Plants:** Ornamental and fruit plants present; low overall ecological diversity.

**Social Conditions:** Community faces food insecurity; project aims to educate on local food production.

## 3. Design Elements:

### a) Fruit Tree Orchard:

- Selection of climate-appropriate fruit trees (e.g., mango, avocado, citrus)
- Implementation of water-efficient irrigation systems

### b) Rotating Crop Garden:

- Year-round planting schedule utilizing crop rotation principles
- Focus on crops suitable for local climate and nutritional needs

### c) Water Management:

- Rainwater harvesting system installation
- Greywater reuse expansion
- Flood mitigation strategies (e.g., swales, retention ponds)

### d) Soil Improvement:

- Composting system establishment
- Implementation of soil erosion control measures (e.g., terracing, cover crops)

### e) Educational Components:

- After-school program for children
- Community workshops on permaculture and sustainable agriculture
- Signage and educational materials throughout the garden

## 4. Implementation Strategy:

### Phase 1: Site Preparation and Basic Infrastructure

- Soil assessment and initial improvements
- Installation of water management systems
- Establishment of composting area

### Phase 2: Planting and Cultivation

- Planting of fruit tree orchard
- Initiation of rotating crop garden
- Implementation of soil erosion control measures

### Phase 3: Education and Community Engagement

- Launch of after-school program
- Commencement of community workshops
- Installation of educational signage

## 5. Community Impact:

- Immediate food security improvement for neighboring families
- Long-term sustainable food source through fruit trees and year-round crops
- Enhanced community knowledge of sustainable agriculture practices
- Creation of a replicable model for other areas in Haiti

## 6. Collaboration Considerations:

- Partnership with local schools for the after-school program
- Engagement with community elders to incorporate traditional agricultural knowledge
- Collaboration with local farmers for knowledge exchange and resource sharing
- Potential partnerships with NGOs or government agencies for additional support and resources
- Establishment of a community committee to oversee project development and ensure local ownership

## 7. Budget Allocation:

- The \$5,000 prize money will be strategically used to kickstart the project, focusing on:
- Essential infrastructure (irrigation, composting systems)
- Initial planting materials (trees, seeds, tools)
- Educational resources
- Shipping and import costs for necessary materials

## 8. Long-term Sustainability:

- Development of a seed-saving program
- Exploration of market opportunities for surplus produce
- Continuous community education to ensure knowledge transfer
- Regular assessment and adaptation of garden practices based on results and community feedback

## 9. Metrics for Success:

- Quantity and variety of food produced
- Number of community members engaged in the project
- Improvements in soil quality and biodiversity
- Adoption of permaculture practices by other community members
- Educational outcomes from the after-school program

This design aims to create a sustainable, educational, and productive permaculture garden that addresses immediate food security needs while building long-term community resilience and ecological health in Fond-des-Blancs, Haiti.