



Walkway Connection

Accessible Area

Inaccessible Area

Solar Energy
Photovoltaic Film

Marshlands

Site Plan

CONCEPT DIAGRAM

Fabricated Marshlands

Carbon
Sequestration

Input

Blades

Sadistic spica
Sea grass
Vertical rhizomes

Output / input

Microbes Nutrient
Sinks

Food for
Marine life

Sediments
& Pollutants
Are absorbed

Improve
Water quality

Absorb nitrogen
& Phosphorus

Balance pH levels

FABRICATED MARSHLANDS ENV. IMPACT

Shelter and food

Habitat

Fish, crabs,
Prawns, & mollusks

Nursery
Grounds

Sun 100%
Solar PV
Panels 20% Efficiency

AC
DC side
isolation
1000 watts/
meter squared

Main
Meter
AC
16727 meter
squared of PV
334.54 kW of
energy pro-
duced/day
Power to
Equipment

SOLAR ENERGY PRODUCTION