

**TERRA-FARM FACILITIES**

Components for *Terra-Farms* are "off-the-shelf", readily available products and services. Technologies were selected for reliability, portability, low-impact performance, ease of assembly and disassembly, manufacturer's guarantees/warranties, and the potential for post-project reuse. Much of the technology will find a second life in the community colleges that participated in the management of the *Terra-Farms*.

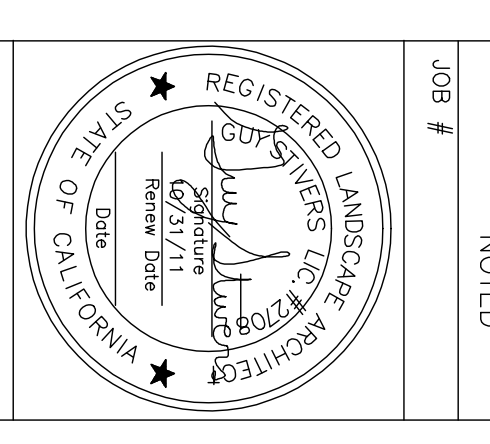
The nursery is designed to be portable and will rotate between *Terra-Farms* on an as-needed basis. Nursery components will fit into two 8'x8'x16' PODS (Portable on Demand Storage). These PODS will be transported and placed into location by the manufacturer's truck lift. Nursery facilities will be disassembled, transported and reassembled in one day. Nursery fencing, gates, gravel, ballast, tanks, plants, and port-a-potties will be transported by the facility's tractor and trailer.

Power sources include solar, wind and bio-fuels for a diesel tractor and a backup generator. Solar and wind energy will be produced on site and stored in batteries. Bio-fuels will be produced at local community college or obtained from a bio-fuel co-op. The manufacturers of these technologies will participate in development of community college curriculum and the management of their products at the *Terra-Farms*.

**PLAN VIEW TERRA-FARM WITH NURSERY**

SCALE: 1"=20'

- G RAINWATER CATCHMENT SYSTEM  
L8 Section see G-1  
L8 Edge Conditions see G-2  
L8 Sump & Pump see G-3
- I-1 SUMP PUMP  
L8
- D SOLAR PANELS & POWER CONVERTER  
L7 Solar Panel Pole Mount & Ballast see D-1
- I-2 IRRIGATION PUMP  
L8
- H WATER TANKS  
L8 (3) tanks at 2,825 gal. each for harvested rain
- Q COMPOSTERS  
L8 (2) 25' sq. composters
- L STEEL TABLES  
L8
- K NURSERY SHADE STRUCTURE  
L8 (60% black shade structure)
- A PLAN VIEW OF "TERRA-PODS" SHADE STRUCTURE  
L7 Elevations see A-1 & A-2
- C TEMPORARY FENCING & DOUBLE GATES  
L7 Temporary Fence Post Sleeves see C-1
- N SOLAR PANEL & VIDEO CAM  
L8
- B (2) PORTABLE ON DEMAND STORAGE  
L7 power converter & battery location
- T TRACTOR & TRAILER  
L8 composting trailer see T-1
- E VERTICAL AXIS WIND TURBINE  
L7 Wind Turbine Pole Mount & Ballast see E-1
- R VERMICOMPOSTERS  
L8
- M NURSERY GRAVEL BASE  
L8 Base under PODS
- S BIOSWALES  
L8
- T TRACTOR & TRAILER  
L8 diesel tractor see T-2
- D SOLAR PANELS & POWER CONVERTER  
L7 Solar Panel Pole Mount & Ballast see D-1
- H WATER TANKS  
L8 (2) tanks at 620 gal. each for harvested rain
- I-2 IRRIGATION PUMP  
L8
- P COMPOST TOILET  
L8
- P PORTAPOTTY  
L8



REVISIONS	BY

TERRA FARM  
CONSTRUCTION PLAN  
(not for construction)

COMMUNITY PROMOTED RESTORATION, CPR FOR THE MESA  
CALIFORNIA DEPARTMENT OF FISH and GAME  
SOUTH COAST REGION PROJECT PLAN EVALUATION  
BOLSA CHICA LAND TRUST  
HUNTINGTON BEACH, CALIFORNIA

**Stivers & Associates**  
Environmental Planners  
Landscape Architects  
Urban Forestry  
160 Centennial Way  
Suite 3  
Tustin, CA 92780  
(714) 838-9811  
FAX (714) 838-0727  
CA Lic. #2708