

Practical Solutions for Nurturing Healthy Soils

Alan Mart:

InterNatural Harvesters

Berkeley, CA

Charles McCulloch: Landscape Architect

Charles M McCulloch Landscape Architecture

Berkeley, CA

Two Projects in Alameda County

George Mark Children's House
San Leandro



Shinsei Garden Apartments
Alameda





GMCH: Design to Completion: 1998 to 2002

George Mark Foundation: Dr. Kathy Hull

Remick Architecture



SHINSEI: Design to Completion: 2002 to 2009

Resources for Community Development

Mikiten Architecture

Landfill Sites: Poor Soils

- GMCH: Alameda County Dump Site
- SHINSEI: Bay Land fill for military /industrial uses



Tilling and Planting Cover Crops

- GMCH: Stockpiled Soil
- Shinsei: Soil in Place



Soil Improvement and Scheduling

- GMCH: Planting cycles completed
- SHINSEI: Site soils required to be in place as designed



Soil Improvement Locations

- GMCH: Remote Location away from Construction



- SHINSEI: Soil in Place at Construction



Landscape Management Plan

- SOILS

Operations/schedules

Site evaluations

Record keeping

Soil testing

Water management

Education

Resources







2009



2010



Summary and Recommendations

- **Start Site and Soil Preparation Planning Early**
- **Develop specifications and procedures that fits the project**
- **Improve soils away from construction zones: stockpile**
- **Goal: develop living soils for long term effectiveness**
- **Develop a Landscape Management Plan before construction is finished. Test soils prior to planting and at end of maintenance period.**
- **Periodic evaluation and maintenance operations adjustments**
- **Use Bay-Friendly guidelines, specifications and Checklists as a reference**



