



Wes Cooke
805.234.6124
wes@7thgenerationdesign.com
www.7thgenerationdesign.com

7th Generation Design
3751 Santa Rosa Creek Rd.
Cambria, CA 93428

Bio

Equipped with a master's degree from Cal Poly in Mechanical Engineering and nearly a decade of experience in energy engineering, construction and land management, Wes has dedicated his livelihood to integrating, teaching, and implementing the many facets of living a regenerative lifeway.

Enterprise

Woodland Foods Co-op: February 2018 - present

Woodland Foods Co-op produces forest-grown gourmet and medicinal mushrooms grown on locally-sourced logs cleared for fire abatement and forest health improvement. Trimmings too small for log culture are chipped and turned into biochar for use as a soil amendment at Honey Badger Nursery.

Honey Badger Nursery: February 2018 - present

Honey Badger Nursery grows high-value, productive fruit and nut trees and perennial plants with highly-branched, non-circling root systems using air pruning techniques.



Resilience Revival: Jan, 2016 - July 2018

Resilience Revival designed resilient, drought-tolerant, and climate appropriate gardens and landscapes. Design elements include rainwater runoff infiltration and storage systems, permeable hardscaping, soil-building and weed-reducing planting techniques, native and food-producing plant guilds.

Design and Engineering

5-Acre Homestead - Murrieta, CA

Whole-site design of 5-acre residential property in the arid Inland Empire of Southern CA, with goals of creating a hydrologically regenerative landscape and agroforestry system. Elements included earthworks for water retention and infiltration, water storage systems, composting, chicken and goat integration, and property reforestation.

¾ Acre Mushroom Cultivation Area - San Luis Obispo, CA

Design elements included identification trees and limbs for removal to improve forest health, layout of mushroom inoculation, incubation, and fruiting zones, vehicle access routes, and water-conserving irrigation system.

5,000 sq. ft. Tree Nursery - San Luis Obispo, CA

5,000 sq.ft. nursery including fencing, bed layout, elevated air-pruning and mist propagation bed construction,.

40-Acre Homestead and Lavender Farm - San Luis Obispo, CA

Design for crops, reforestation, and earthworks for runoff control and infiltration on a 40-acre canyon property with seasonal creek and approximately 5-acres of lavender. Runoff diversion from dirt roads and pond overflow into on-contour swales, net-and-pan planting design on steeply sloped areas.

Various Residences - San Luis Obispo and Santa Barbara Counties

Whole-site designs for resilient, water-wise, and beautiful landscapes. Kitchen garden design, native, climate appropriate, and food-producing plant selection, habitat creation, rainwater run-off infiltration and storage systems, permeable hardscaping, soil-building and weed-reducing planting techniques.

Multi-Family, Commercial, Industrial, and Commercial Facilities - Nationwide

Assessments of energy and water usage in small and large multi-family, commercial, industrial, and government facilities (5,000-1,000,000+ sq. ft.) to determine opportunities for improved efficiency and utility reduction. Performed calculations of energy and water-saving measures to determine ROI, and developed in-detail reports for clients. Over \$10 million dollars of energy savings personally calculated and recommended.

Implementation

Mainframe Earthworks Installation - Murrieta, CA

Construction of new access road to lower portions of property, swales for hillside erosion control and rainwater retention, rolling dips for runoff redirection, level pad and structure for goat and chicken pens, water tank siting.

Mushroom Cultivation Area - San Luis Obispo, CA

$\frac{3}{4}$ acre cultivation area in an oak-forest. Forest-floor clearing, log cutting, crib-stacking layout, tractor access routes, construction of solar-powered automated irrigation system.

Tree Nursery - San Luis Obispo, CA

5,000 sq.ft. nursery including fencing, bed layout, elevated air-pruning bed and mist propagation bed construction, construction of solar-powered automated irrigation system.

Mainframe Earthworks Installation - San Luis Obispo, CA

Swales for rainwater retention and pond overflow redirection in lavender fields, rolling dips for road runoff redirection, new planting areas, irrigation system extension, water tank installation.

Market Garden Nursery - Arroyo Grande, CA

Construction of outdoor nursery racks and automated irrigation system for ~6 acres of annual vegetables for transplanting.

Property Management

Rosavo Farm – Cambria, CA

Management of 90 acres containing two residences, commercial-scale avocado and plum orchards and black walnut timber tree plantings. Currently undergoing whole-site design, with future plans for inclusion grass-fed cattle and other animal systems.

Crows End Retreat Center – San Luis Obispo, CA

Management of 6.5-acre wooded property containing three residences, a guest cabin, and a meditation retreat center. Large scale mulching, solar PV system repair, gate construction, pond maintenance, fire fuels abatement, burn pile management.

Pepper Creek Family Farm - Arroyo Grande, CA

10 acre market garden and farm, designed to supply community through farmer's markets and restaurants - bed planning, crop rotation, nursery design and irrigation, sheep grazing.

Public Speaking/Education

Surfrider Foundation – Ocean Friendly Gardens

Walking tours of San Luis Obispo coastal neighborhoods highlighting the elements of ecologically-designed and ocean-friendly gardens and landscapes.

Arroyo Grande City Hall – Waterwise Landscapes

Presentation to over 150 residents of the Arroyo Grande community on the design of water-conserving landscapes.