



DESIGN & MAPPING SERVICES

LEVEL 1 - WHOLE SITE ASSESSMENT

\$3,000-\$4,500 + TRAVEL

What It Is

Site visit by the 7th Generation Design team to perform a baseline audit of the three most important aspects for energy efficient, profitable and resilient land use patterning - Water, Access and Structures. Get these three right and you'll have the foundation to create true long-term prosperity and resilience at your property.

Who It's For

Property owners looking to better understand how to work with their land and turn existing property liabilities into dividend yielding assets. Once a holistic understanding of the landscape's inherent characteristics is paired with a clear vision for what is to be created, accurate decisions can be made to pattern new elements and/or retrofit existing structures, elements, and use patterns to increase their resilience, profitability and enjoyment.

Deliverables

- Facilitated Minimum Holistic Goal establishment.
- Extended report including full site work up, dedicated sections covering Water, Access and Structures, and recommended highest ROI next steps.
- Basic Aerial Base Map of property or specific area of interest.

LEVEL 2 - WHOLE SITE DESIGN

\$10,000-\$12,000 + TRAVEL

What It Is

7th Generation Design team on site for 2+ days. Includes everything in the Level 1, along with extensive surveying, contour discovery and aerial mapping. A L2 Whole Site Design lays out a plan for what a property can be, integrating existing and proposed elements in mutually supportive relationships that are as functional as they are beautiful.

Who It's For

Property owners seeking to create a resilient and productive land base who want to develop a plan for realizing their vision in the landscape that is *of place, not imposed upon it*. Level 2 - Whole Site Design provides the birds eye view of what can be in 5, 10, 20 and 200 years while also distilling the vision within longer time horizons down to prioritized and actionable steps that can be taken today and in the years to come to realize that vision.

Deliverables

- All Level 1 deliverables.
- Whole Systems Design report including extended sections covering Soils, Forestry, Energy and Economy.
- Multi-layered Aerial Base Maps detailing recommended elements, location, patterning.
- Implementation costing and calculations.

PHASED IMPLEMENTATION & OVERSIGHT

HOURLY + TRAVEL

See Reverse Side For Complete List Of Implementation Services 7th Generation Design Offers

AERIAL MAPPING

PRICED PER ACREAGE +

What It Is

Use of an Unmanned Aerial Vehicle (UAV) to create scaled, highly-accurate, photo-real base maps of broad acreages in a fraction of the time and cost when compared to traditional surveying methods. Additional information layers can be added during post processing. See 7thGenerationDesign.com/aerial-mapping for more details.

Who It's For

Homesteaders, farmers and acreage holders of any size looking to...

- Manage water resources to create resilient, drought proof landscapes.
- Plan and implement agroforestry and/or managed grazing systems.
- Obtain accurate area measurements (fields, slopes, watersheds etc).
- Manage teams operating across broad acre landscapes and much more.

Deliverables

- Standard & Hi-Definition Orthomosaic Base Maps
- 3D Models of structures, terrain, and other features.
- Cinematic video overflights.
- Contour line elevation maps.
- Layered element illustration, outlining, highlighting.
- Available in digital and print form.



IMPLEMENTATION SERVICES

EARTHWORKS - Start To Finish Earthworks Implementation

- Swales, drains, infiltration and sediment basins, ponds, dams.
- Erosion healing structures; Zuni bowls, biological and geological armoring, run downs.
- Roadway drainage patterning, rolling dips, lead out trenches, flow collection and dispersion.
- Broad-acre hydrological restoration; induced meandering, reconnection of incised channels with floodplains, Keyline Design for ecological regeneration and farm resilience.



TREE PLANTING - Tree Systems For Long-Term Resilience and Beauty

- "Grocery Aisle" Orchards (trees grouped according to ripening window).
- Integrated Pest Management, Fruit and Nut Guilds.
- Windbreaks, Firebreaks, Ember Traps, Privacy Screens.
- Coppiced/Pollarded woodlots for "no-splitting required" firewood production.
- Year-Round Tree-Based Animal Forage Systems for drylands.
- Shade planting and "grow your own" outdoor rooms.



ON-SITE NURSERY CONSTRUCTION & AUTOMATION

- Reduce the cost of planting out large areas by growing your own!
 - **Air-Pruning Beds:** For starting 1,000+ trees from seed in 30 square feet of space with no root circling and highly branched lateral roots.
 - **Automated Mist Propagation Beds:** Root up to 1000+ cuttings of desired plants in 30 square feet. Effective for softwood, hardwood and herbaceous cuttings as well as root divisions.
 - **Automated, Intelligent, Off-Grid Irrigation Systems:** Lightweight, solar-powered, pest-proof, weather-responsive, automated irrigation controllers.
- These systems can save property owners thousands of dollars without increasing time demands on already busy schedules.



IRRIGATION SYSTEM DESIGN & INSTALLATION

- Custom, intelligent, and flexible irrigation systems for resilient farms and homesteads that help you leverage your time and save money and water!
- We've designed irrigation systems for agroforestry plantings, market gardens, swale-based tree systems, plant and tree propagation, greenhouses, biological erosion control, and log-based mushroom culture to name a few!

