

On Site Consultation Report

Claremont, CA





This report was created by Kat Kramer and Emmanuel Rivera,
founders of Naturewise Regenerative Design.

Kat and Emmanuel work with renters and homeowners to
co-create climate resilient living by working with Nature.

Through consulting, designs, workshops, and public speaking,
they show how to grow food & medicine, save water,
and generate electricity & fuel while reducing the
effects of drought, floods, extreme temperatures, and fires
brought on by climate change.

To learn more about their work or to see what they are currently working on,
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Guiding Design Ethics and Priorities

This consultation report is based on a Permaculture Design framework. Permaculture is an ethical design science that harmonizes with nature's processes to provide sustainable abundance for people and the planet.

This framework is summed up in the **3 ethics of permaculture**:

- **Care of the Earth**
 - We consider the effects of our recommendations on the living and non-living elements of the environment on your site. The aim is to enhance, preserve, reinforce, and regenerate the natural elements on your site.
- **Care of the People**
 - Our recommendations reflect a care of the people interacting and participating on your site. The aim is to foster self-sufficiency, reduce dependence on non-sustainable practices, improve nutrition, lower waste, enhance health, increase education, and empower all to do more.
- **Return of Surplus**
 - The following recommendations are based on the natural growth and abundance of nature. Thus as time passes and more recommendations are implemented, the site becomes more abundant and successful. These results are recycled back into the site to create a property that is increasingly generative and decreasingly extractive.

The guidance of the permaculture ethics and your specific priorities we discussed were the lens that this consultation report was developed from.

Please take time to read and reflect on the recommendations and resources for each area. Some of the recommendations may be new ideas or seem to run counter to common approaches. This is due to the unique perspective in permaculture that also considered the Care of Earth and Return of Surplus.

Please don't hesitate to reach out if you have more questions or seek to understand the meaning.

Property Overview

This section includes climatic data we researched and an overview of the areas of your property we discussed in the visit.

Climatic Data

Koppen climate classification for region?	Csa - Hot Summer Mediterranean
Plant hardiness zone?	9b
Average annual rainfall	14.47 inches
Highest recorded annual rainfall	33.08 inches
Lowest recorded annual rainfall	0.2 inches
Highest recorded 24-hour rainfall occurrence	8.5 inches
Highest recorded temperature	117° F
Lowest recorded temperature	21° F
Avg. summer temp, low	61.8° F
Avg. summer temp, high	90.4° F
Avg. winter temp, low	44.8° F
Avg. winter temp, high	69° F

Property Areas



Recommendations & Resources

Here we review the areas we discussed while walking around the property with you. For each area we share the recommendations we shared. Below each area we include resources that would be helpful or needed to move forward on that project.

South Strip Area

Recommendations

- Get soil tested and add appropriate amendments
- Level out area where raised bed will be by shifting soil
- Add mulch (lasagna or just wood chips) in area where not planting
- Build raised bed to your desired size
- Lasagna mulch in raised bed – cardboard, mulch, manure, compost, mulch
 - *Add soil over compost if you want to plant immediately, potting soil mixed with 50% native soil*
- Plant snap peas in winter, pole beans or other vines in summer
- Can incorporate your vegapod lid onto raised bed
- Possibility of directing roof water away from raised bed with a gutter so it doesn't harm the bed

Resources

- Soil Testing
 - Both give results in about a week from sending with recommendations on what's needed
 - [International Ag Labs](#) – Their methods and recommendations are in line with our regeneration methods to help soil using organic means.
 - [My Soil Test Kit](#) – Simple, easy to do and submit test kit. Results accessible via online platform.
- Soil Amendments
 - What you add depends on soil test results
 - For calcium – garden lime, oyster shell
 - For nitrogen – blood meal, feather meal
 - For trace minerals – azomite
 - For phosphorus – bone meal, soft rock phosphate
 - Purchase at [Grow Organic](#) online or your local nursery
- Raised Bed Materials
 - [Stone planter blocks](#)
 - [2"x6"x96" boards for walls](#)
 - [Rebar to secure the blocks](#)
- Lasagna Mulch Materials
 - Mulch and Compost
 - <https://www.cbwcd.org/403/Mulch-Compost-Giveaways> -
 - 4594 San Bernardino Street, Montclair, CA 91763
 - Horse Stable (for Manure)
 - (909) 593-8739
 - 7000 Esperanza Dr, La Verne, CA, 91750
 - Call and see if they are open to gardeners picking up manure for their gardens

Roses Area

Recommendations

- Get soil tested and add appropriate amendments
 - *You can do one soil test for both the rose and raised bed areas*
- Deep mulch (3+ inches) over applied amendments, leaving space around the base of all plants
 - *Renew mulch every 6 months-year as needed by depth*
- Build up a berm near the house foundation and line with rocks to keep water away from house

Sago Palm Area

Recommendations

- Remove the Sago palm due to limited light it receives
- Add a mix of pollinator friendly plants to the area
 - Hummingbird sage (salvia spathacea) - small shrub
 - Alum root (heuchera 'rosada' or heuchera x micrantha) - small shrub
 - Cherry or Pamela monkeyflower (mimulus aurantiacus or Pamela) - small shrub
 - Velvet Elvis Swedish Ivy (plectranthus velvet elvis) - small shrub
 - Mexican Marigold (tagetes lemmonii) - large shrub
 - Abutilon 'Apricot' + several other Abutilon species - large shrub
- Information on these plants can be found at [Annie's Annuals](#)

Behind House Area

Recommendations

- Manage bare soil by either lasagna mulching, deep mulching, or adding cover crops based on preference
 - Cover crop possibilities
 - Leave what is growing there already
 - Mint
 - Clover (white clover is perennial)
- Likely not enough sunlight for a vegetable garden, see how existing one does and go from there
- Sump pump recommendations
 - Clean out container and pump for debris that could be blocking it
 - Add a mesh to the hole where water can enter to keep debris out
 - Potentially add a hole to the container closest to the crawl space a little lower than ground level and secure with a strong mesh
 - Unbury the water pipe to see where it pumps out water and confirm it works with water exiting
 - Test sump pump and clear before rainy season

Artichokes Area

Recommendations

- Deep mulch the area
- You may want to test this soil as well if you plan on continuing to grow vegetables here
- Add companion plants of these two categories:
 - Apiaceae family
 - Dill
 - Cilantro
 - Queen Anne's Lace
 - Sea Holly

- Anise
- Lovage
- Asteraceae family
 - Calendula
 - Aster
 - Chamomile
 - Cosmos
 - Santa Barbara daisy

Palo Verde Trees Area

Recommendations

- Loosen the tree supports to give tree room to grow and transfer water
- Trim off broken branch to prevent future disease to the tree
- Move irrigation to drip line of tree (*outside edge of tree branches*)
- Water once a month and observe the tree behavior to determine if it needs more or less