

PERMACULTURE DESIGN

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1. Water tank from ceiling of workshop.
2. Workshop and warehouse.
3. Duck pond.
4. Food forest with native trees and plants.
5. House and garden. Zone 1
6. Main crop in contour with small swales
7. Food forest with chicken.
8. Chicken house.
9. Multipurpose building: Water tank, small forum, nursery.
10. Pedestrian access.
11. Possible car access.
12. Parking.
13. Principal pond.
14. Fish pond.
15. Main crop in key line with animal plough. (corn, beans, chia and amaranth)
16. Gallery forest.
17. Food forest on swale with fruit trees and legumes.
18. Food forest on swale with nut and native trees and legumes.
19. Alley with forage trees for future animals.
20. Temazcal.



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ZONES

Zone 1: For easy access its located between the upper swales.

The upper swale is used as approach pedestrian road from the principal road.

The second swale can be used like a car road if necessary over the dam wall of the principal dam.

Here will be four family houses (not identical) each one with his zone 1 garden. (example further on).

Wood, stones, clay, sand are the local materials that can be used for the constructions, but the wood is the traditional and more abundant material.

Zone 2:

Native Food forest: Upper the first swale is a food forest with native plants for low maintenance. This dense vegetation is useful for protection from cooling to zone, winds from hillside, like a suntrap, and privacy.

Duck pond: Over the main crop zone for use the nutrients.

Here are the common buildings.

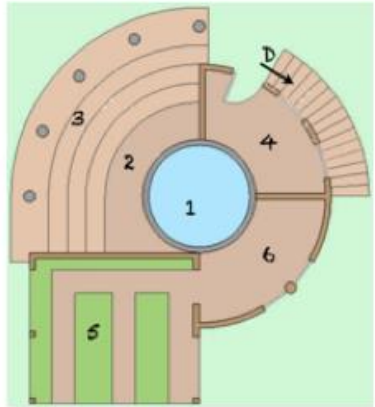
Workshop and warehouse: for working with local materials, next to the road for easy access. Has a water tank.

Multipurpose building: Near the central zone of the “ejido” with a small forum that

can be used by the people of the “ejido”. A nursery for the plants and trees to be planted in the zone, with a small storehouse. A small office for visitors to the ecovillage. A central water tank, receives the rain from the ceilings.

Chicken house: Under the zone 1 the chickens can be rotated in the next

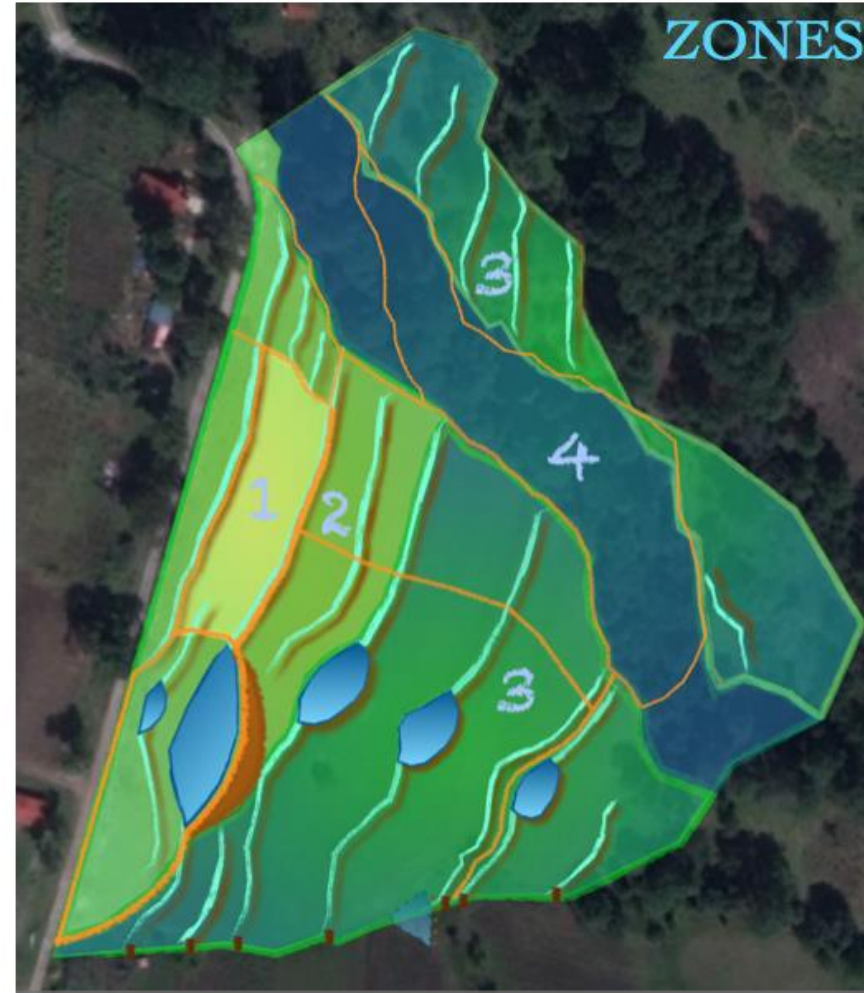
small food forest. The nutrients are spread by the swale to the main crop zone below.



1. Water tank.
2. Forum.
3. Steps.
4. Office.
5. Nursery.
6. Warehouse.

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HOUSE

The house face the south by a porch.

Its constructed by wood insulated with “ocoxal” and clay between two tables of wood.

The slope is used for a small store house below the bedrooms.

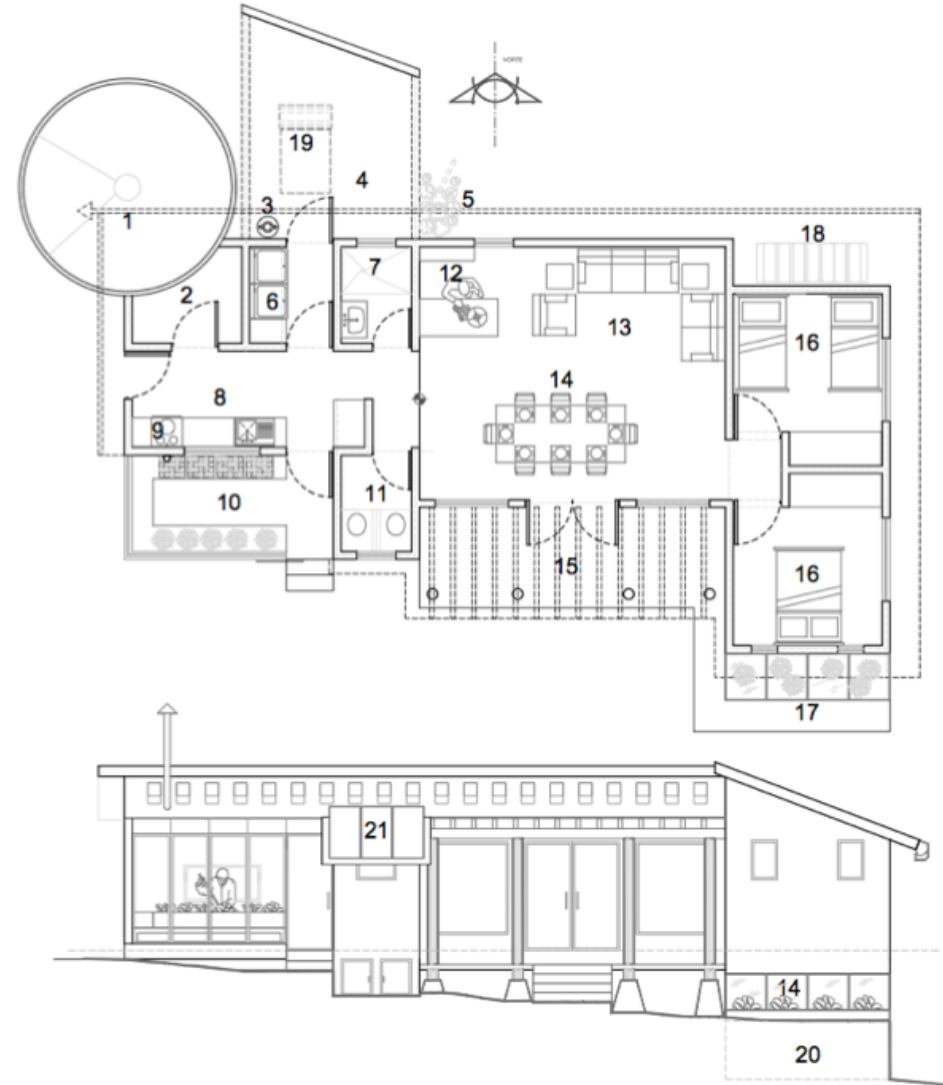
The rainwater is directed to a water tank.

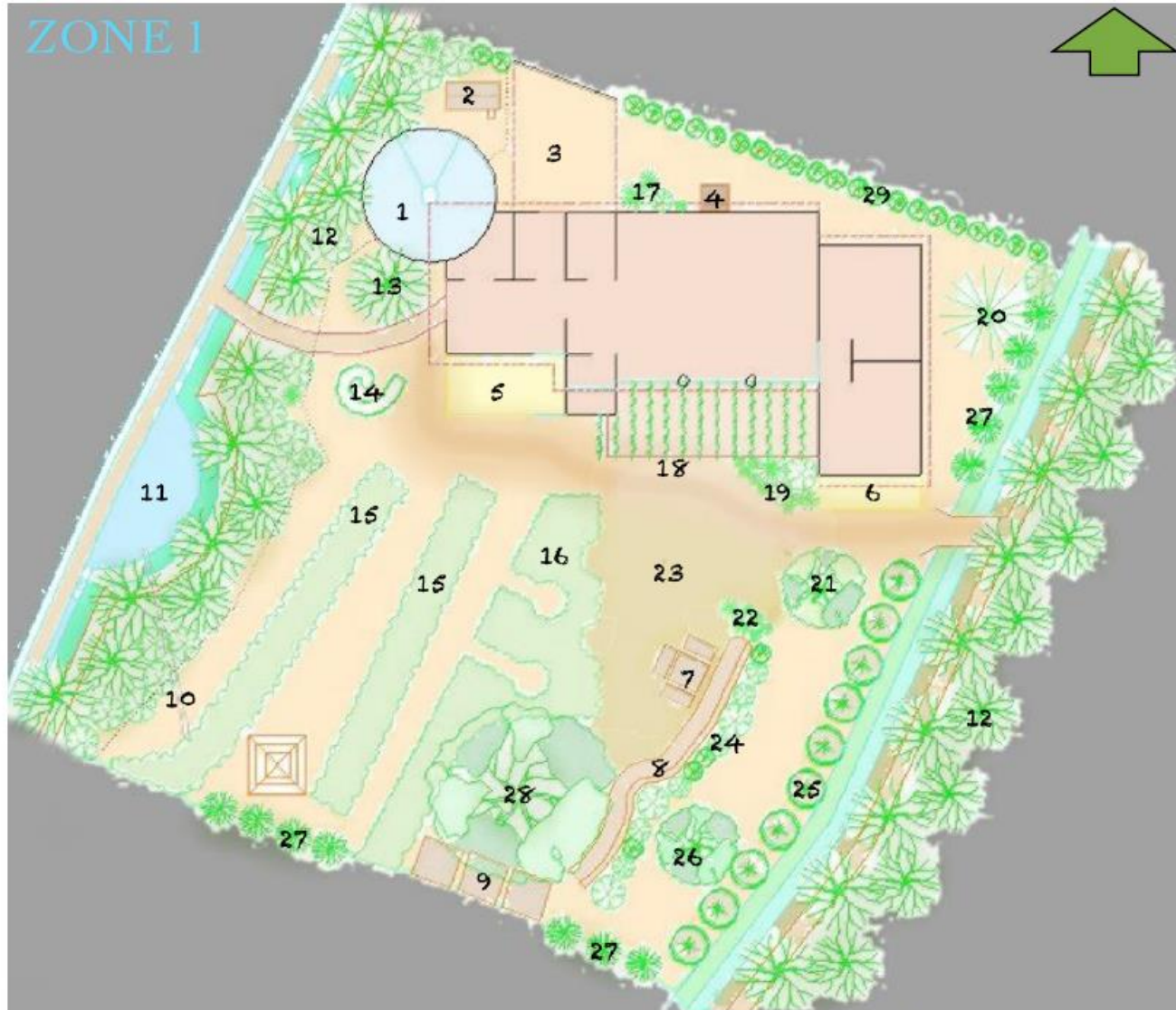
The bedrooms have windows to the morning sun.

Facing the sun are two green houses.

The stove and water heater are wood ones.

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| 1. Water tank. | 12. Studio. |
| 2. Cooler. | 13. Living. |
| 3. Wood water heater. | 14. Dinning. |
| 4. Workshop. | 15. Porch. |
| 5. Natural grey water filter. | 16. Bedroom. |
| 6. Laundry. | 17. Greenhouse. |
| 7. Bathroom. | 18. Fuelwood. |
| 8. Kitchen. | 19. Solar panel. |
| 9. Wood stove. | 20. Root cellar. |
| 10. Greenhouse. | 21. Photovoltaic. |
| 11. Compost toilet. | |





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1. Water Tank.
2. Chicken house.
3. Worm compost.
4. Greenhouse.
5. Exterior greenhouse.
6. Outdoor dining area.
7. Cob bench.
8. Compost boxes.
9. Clothes horse.
10. Tube from pond.
11. Duck pond.
12. Food forest.
13. Lemon tree.
14. Herb spiral.
15. Raised vegetable beds.
16. Raised vegetable and herbs keyhole beds.
17. Natural grey water filter.
18. Chayote Trellis.
19. Medicinal plants.
20. Peach tree.
21. Apple tree.
22. Roses.
23. Play area.
24. Medical and flowers plants.
25. Blue berry.
26. Plum tree.
27. Blackberry.
28. Legume tree "pata de vaca" *Bauhinia purpurea*.
29. Berries.

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