Water-Wise Living:
Site Assessment Workshop

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Daily Acts

Photo from Woods Hole Oceanographic Institution at www2.whoi.edu

Daily Acts

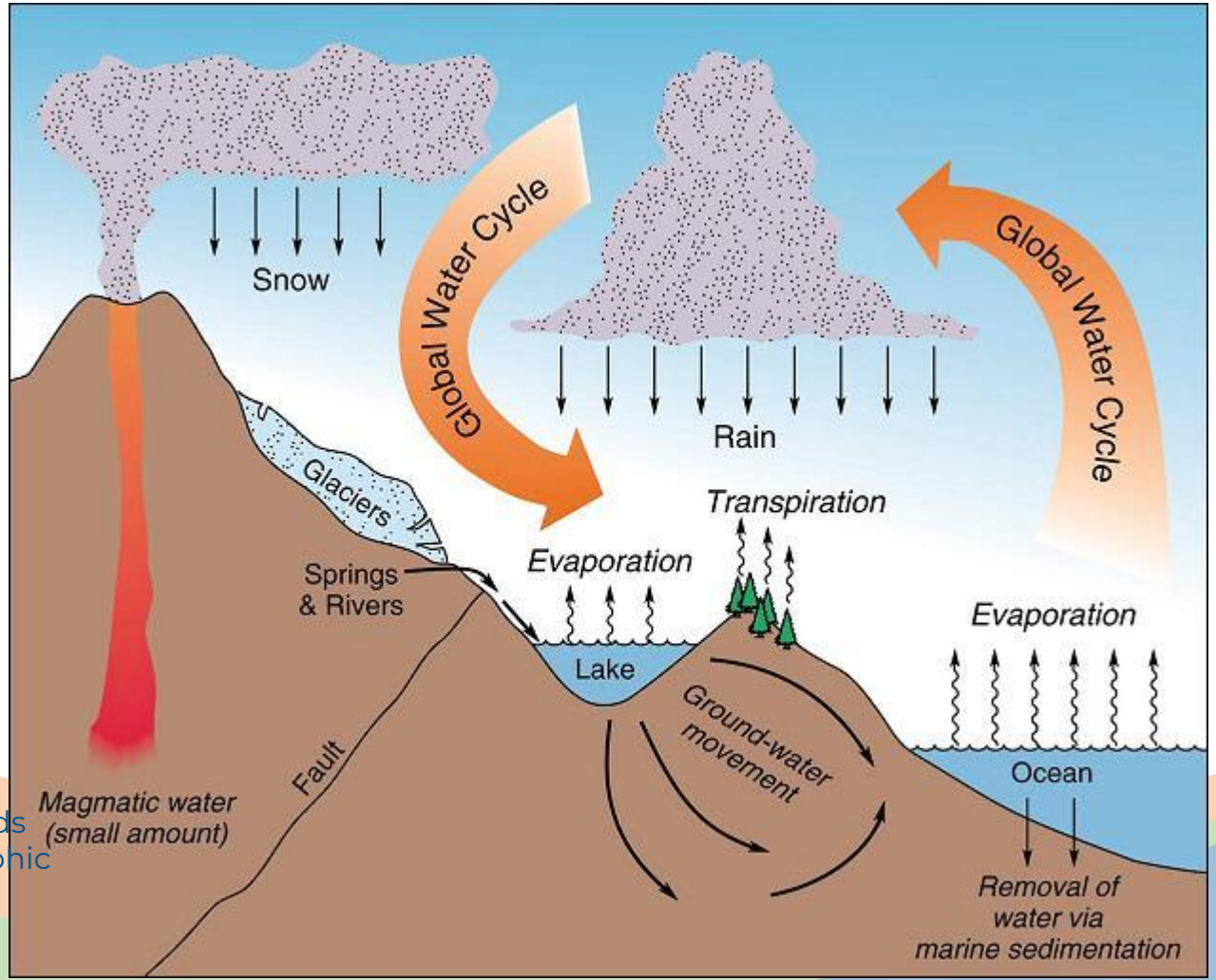
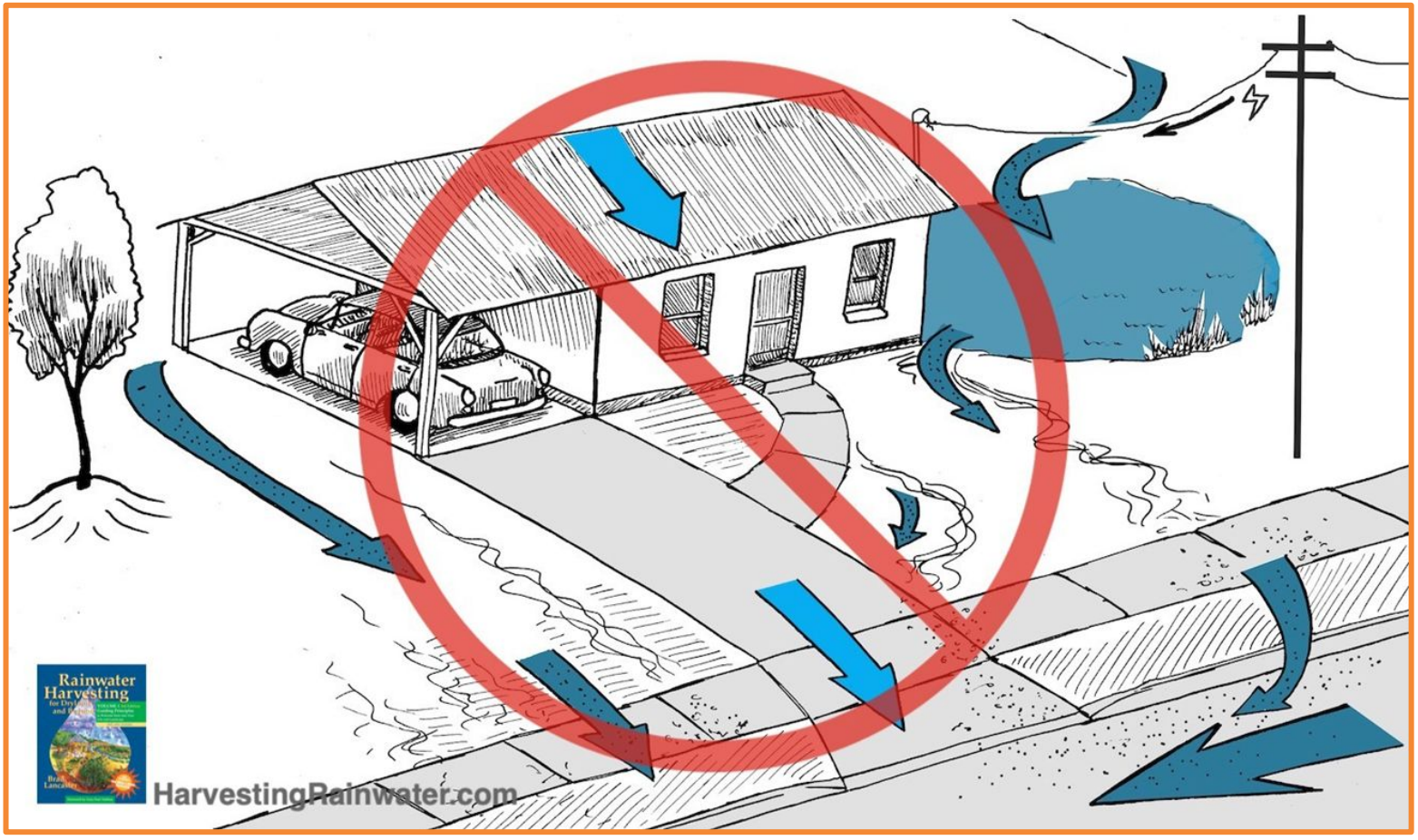


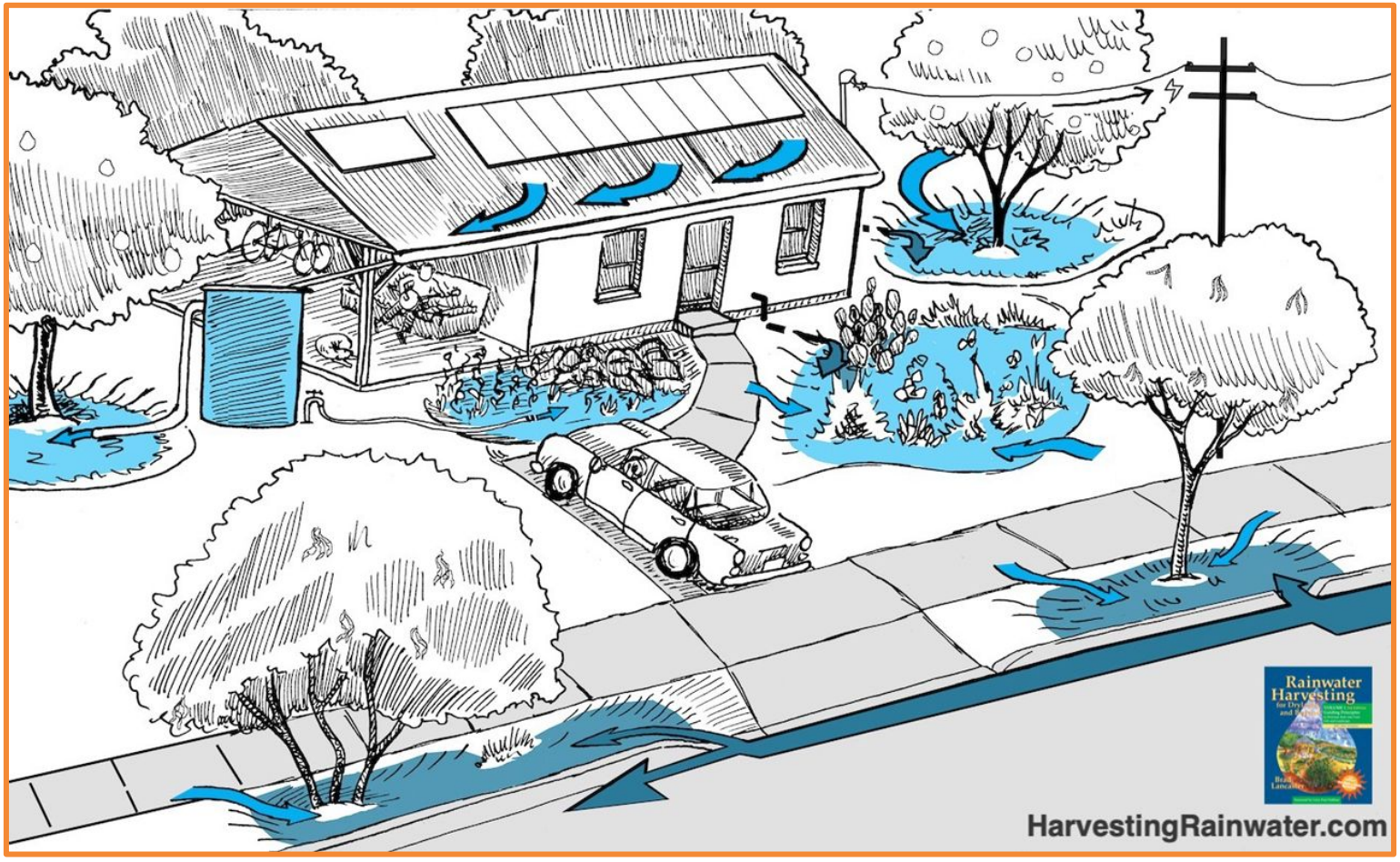
Photo from Woods Hole Oceanographic Institution at www2.whoi.edu

Daily Acts

Pipe it, Pave it, Pollute it

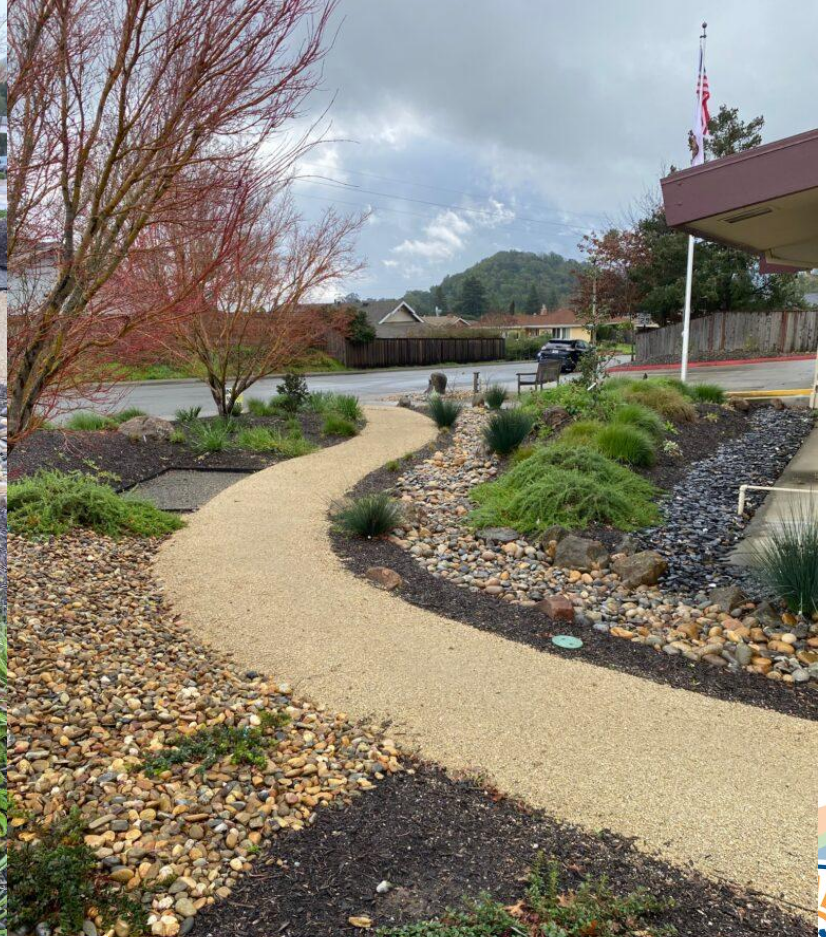


Slow it, Spread it, Sink it, Store it




ZARQA
IT'S NOT RAIN
IT'S LIQUID SUNSHINE

Rethink Urban Spaces to be Resilient - To Be Part of the Solution



Photos from April Owens, Native Corridor Project

Photos from April Owens, Native Corridor Project

Daily Acts


LG
Daily Acts

Permaculture

* No one definition of Permaculture

“A design method to create ecologically regenerative and socially just human systems that are mutually beneficial to earthlings and the ecosystems based in values of ecological justice and equity.”

Phases of the Permaculture Process

1. OBSERVE
2. VISION
3. DESIGN
4. IMPLEMENT

Daily Acts

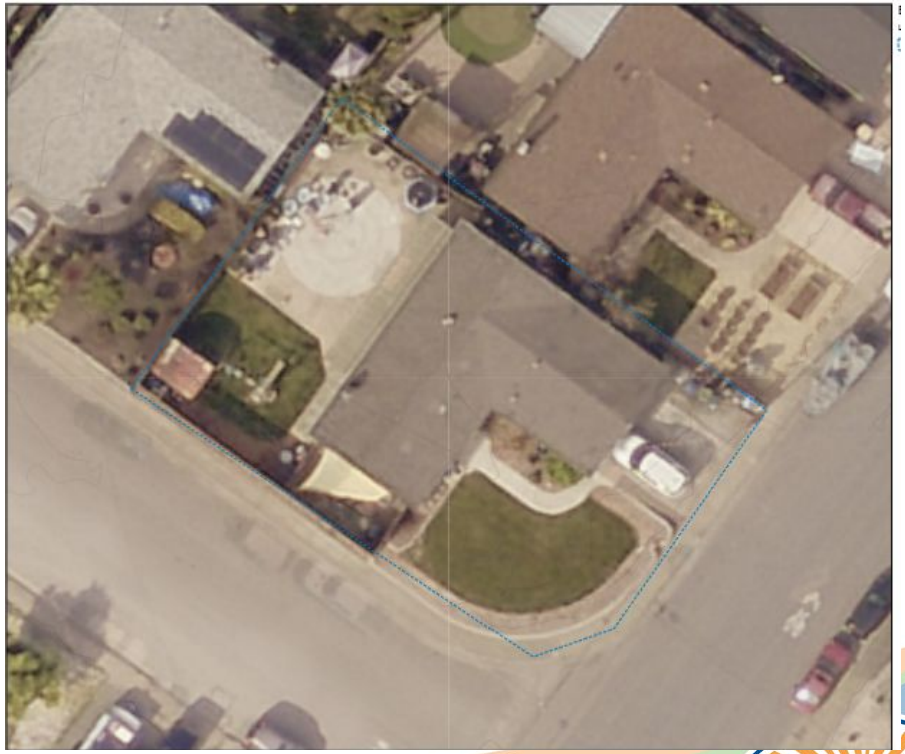
Key Principles for Site Assessment/Observation Phase

- Protracted and Thoughtful Observations (PATO)
- Compose With, Rather than Impose Upon
- Work from Patterns to Details

Site assessing 101

Asks:

- What do we have?
- What is the state of the situation we will be working in?



Site Assessing - Sectors

SECTORS

Natural energies that come into your site that you cannot control but you can open to, channel, or block.

Sun

Water

Wind

Wildfire

Frost

Noise

Pollution

Entrances

Views

Wildlife

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Site assessing - Zones

Frequency and intensity of human use

Zone 1 - multiple visits per day

Zone 2 - one to two visits per day

Zone 3 - one to two visits per week

Zone 4 - one to two visits per month

Zone 5 - irregular visits

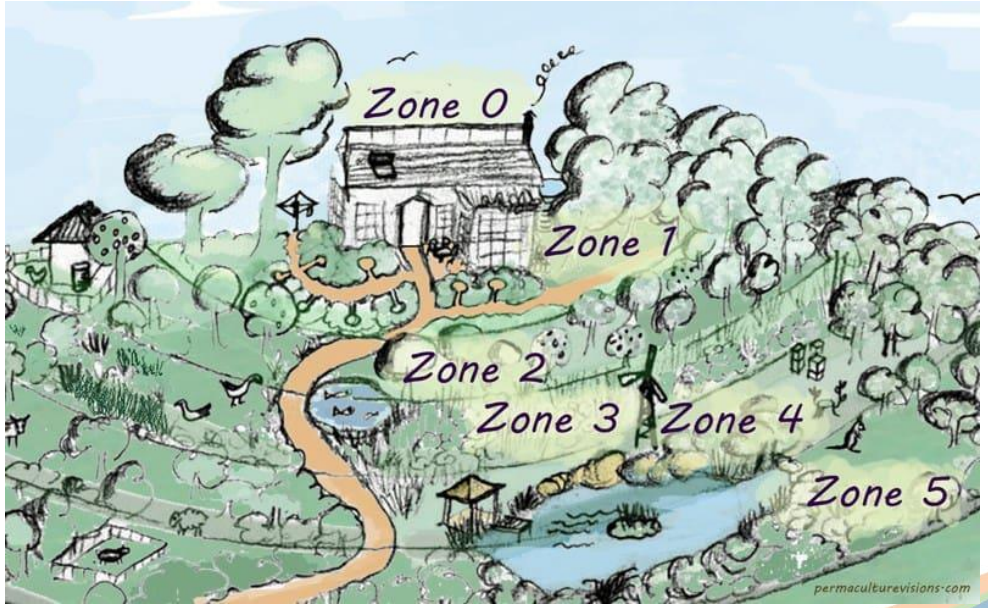

Photo from atitlanorganics.com

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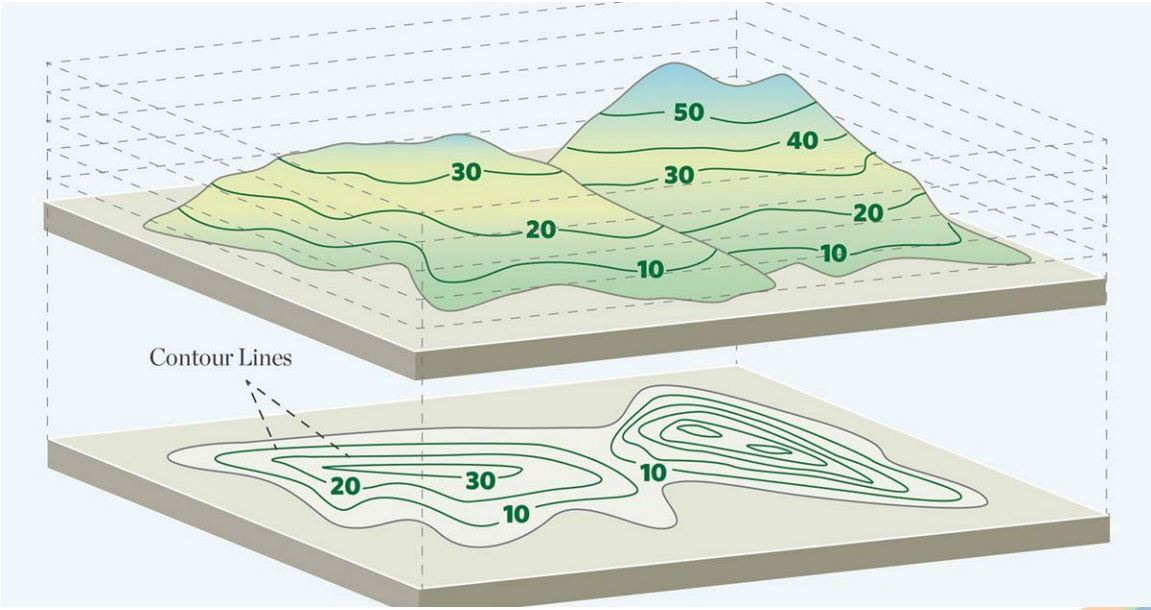
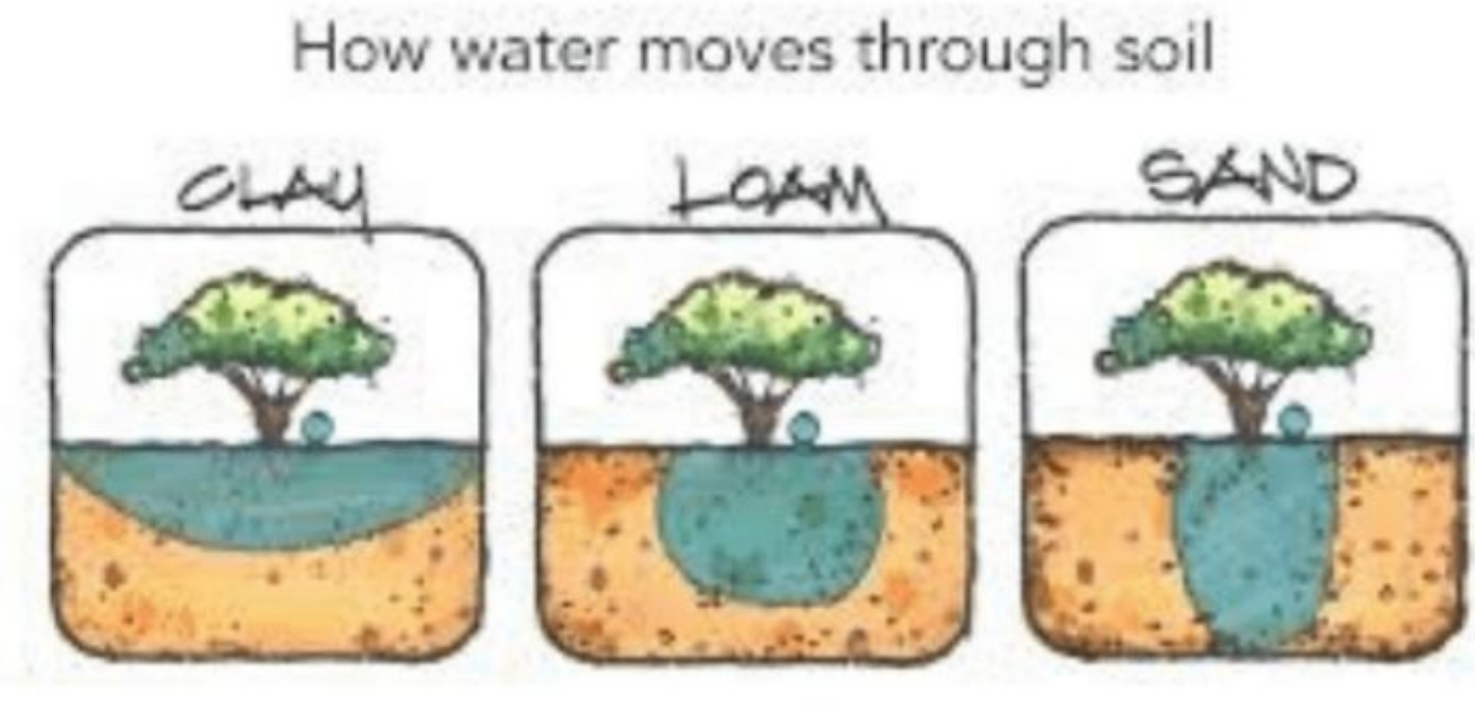
Topography

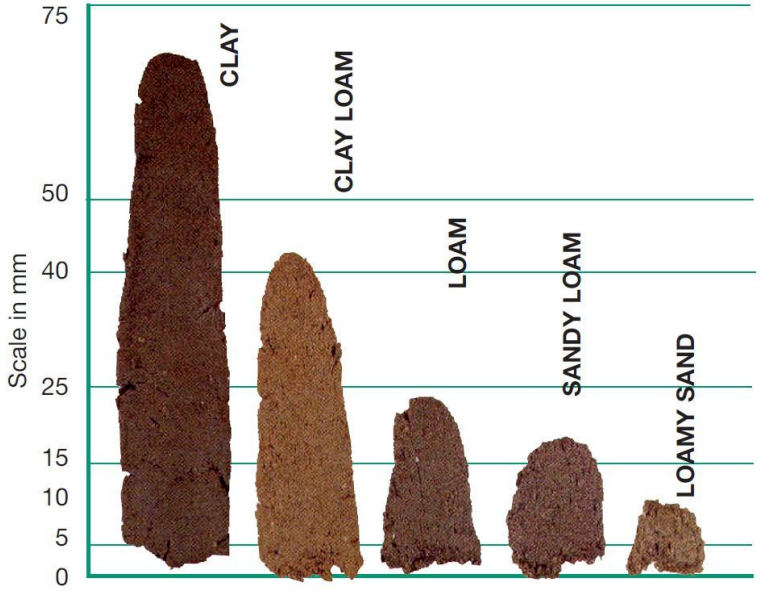
Why you need to know about the topography on your site:

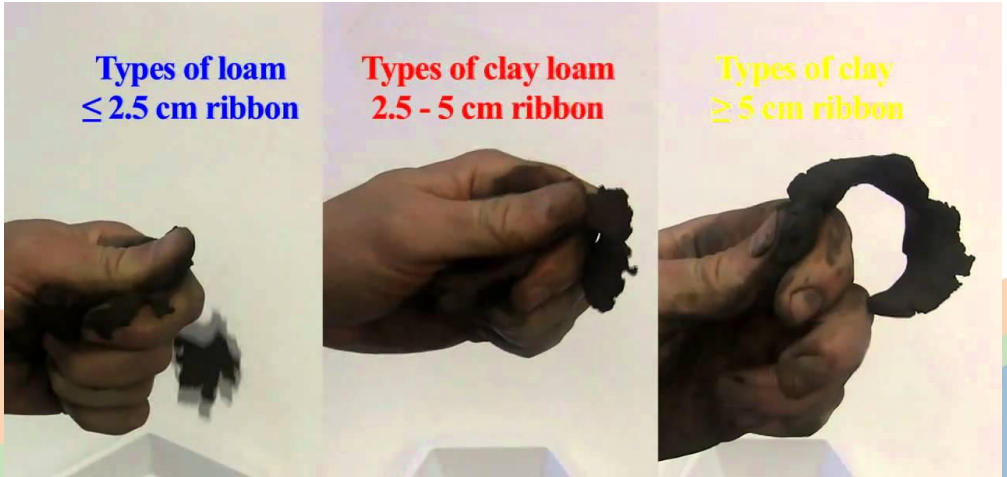
1. Will inform you about how water flows through the space
2. Could indicate erosion potential
3. Informs decisions during installation
    a. Swales, Rain gardens, structures, rain tanks,



Soil Type




75
50
40
25
15
10
5
0
Scale in mm
CLAY
CLAY LOAM
LOAM
SANDY LOAM
LOAMY SAND


Types of loam
≤ 2.5 cm ribbon
Types of clay loam
2.5 - 5 cm ribbon
Types of clay
≥ 5 cm ribbon

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Other observations and considerations

- Existing features
  - Storm drains
  - Down sprouts
  - Hardscape
  - French drain
  - Trees
- Occupancy
- Water Bill Metrics
- Utilities
  - Laundry location
  - Wells
  - Septics

Activity/Practice Time
at
Brenda's

Problems, desires, purpose and values

- **What are your goals for your site? What is your vision for the space in 5 year?**
- **Which benefits do you value most?**
  - Conserve water
  - Mitigate flooding
  - Create shade
  - Pollinator habitat
  - Water Quality
  - Recreation
  - Food production
  - Fire resilience
  - Soil health
  - Curb appeal/beauty

NEXT STEP > Vision

“Small acts, when multiplied by millions of people can transform the world”

~Howard Zinn