

Kitchen Gardens – Know your spaces

Basic Design of  
Urban Permaculture Gardens  
and Homes

The logo for Terra Perma Design features the company name in a bold, black, sans-serif font. Below the name, the tagline "permaculture education & design" is written in a smaller, lowercase, black, sans-serif font. The text is centered and overlaid on a background of several concentric, hand-drawn green circles that resemble ripples in water or a garden bed.

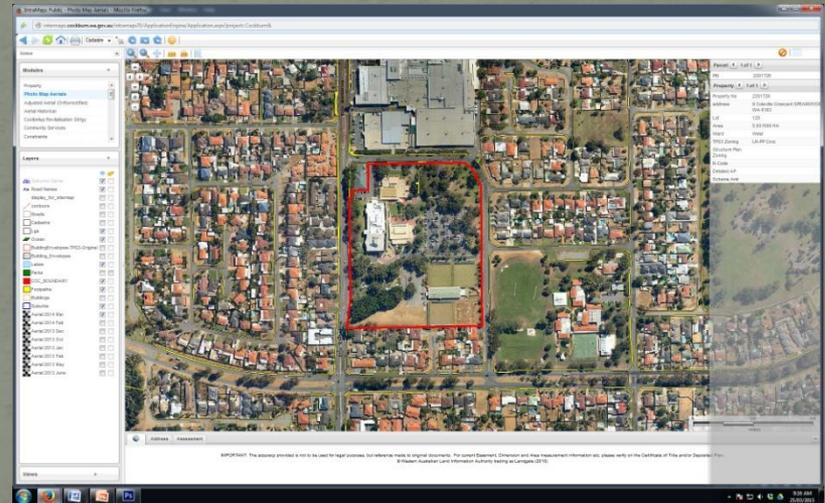
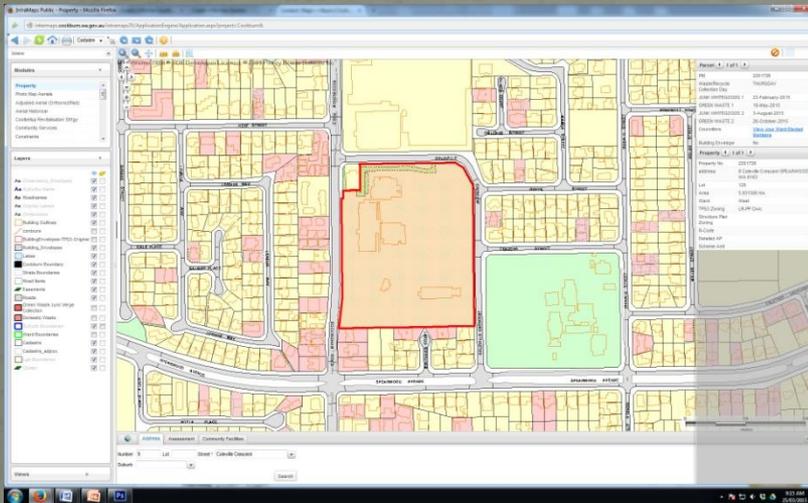
**Terra Perma Design**  
permaculture education & design



# Zoom in on your Block

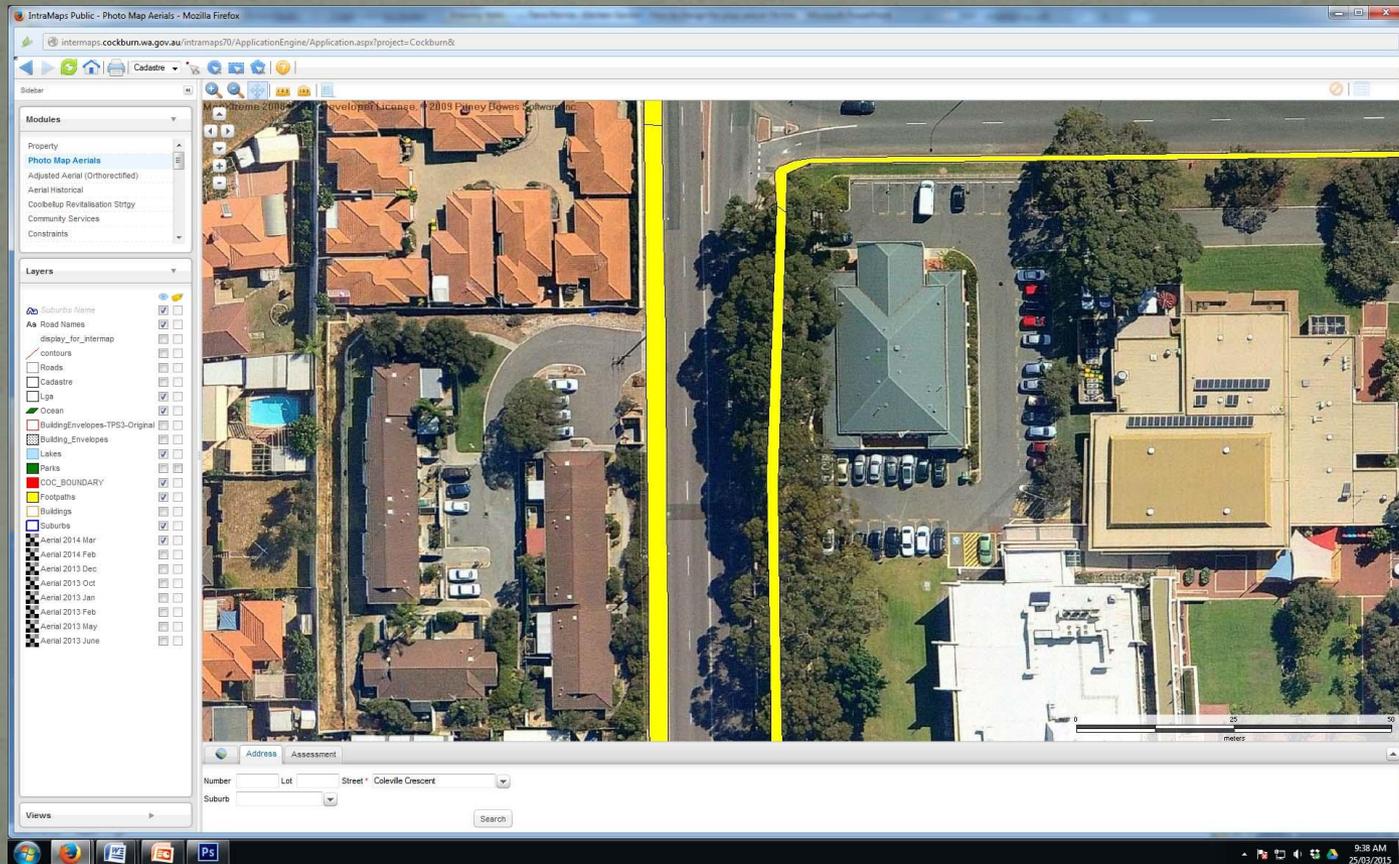
Initial View – Street  
Number

Check Aerial photo 2014  
(overlay) or satellite pic.

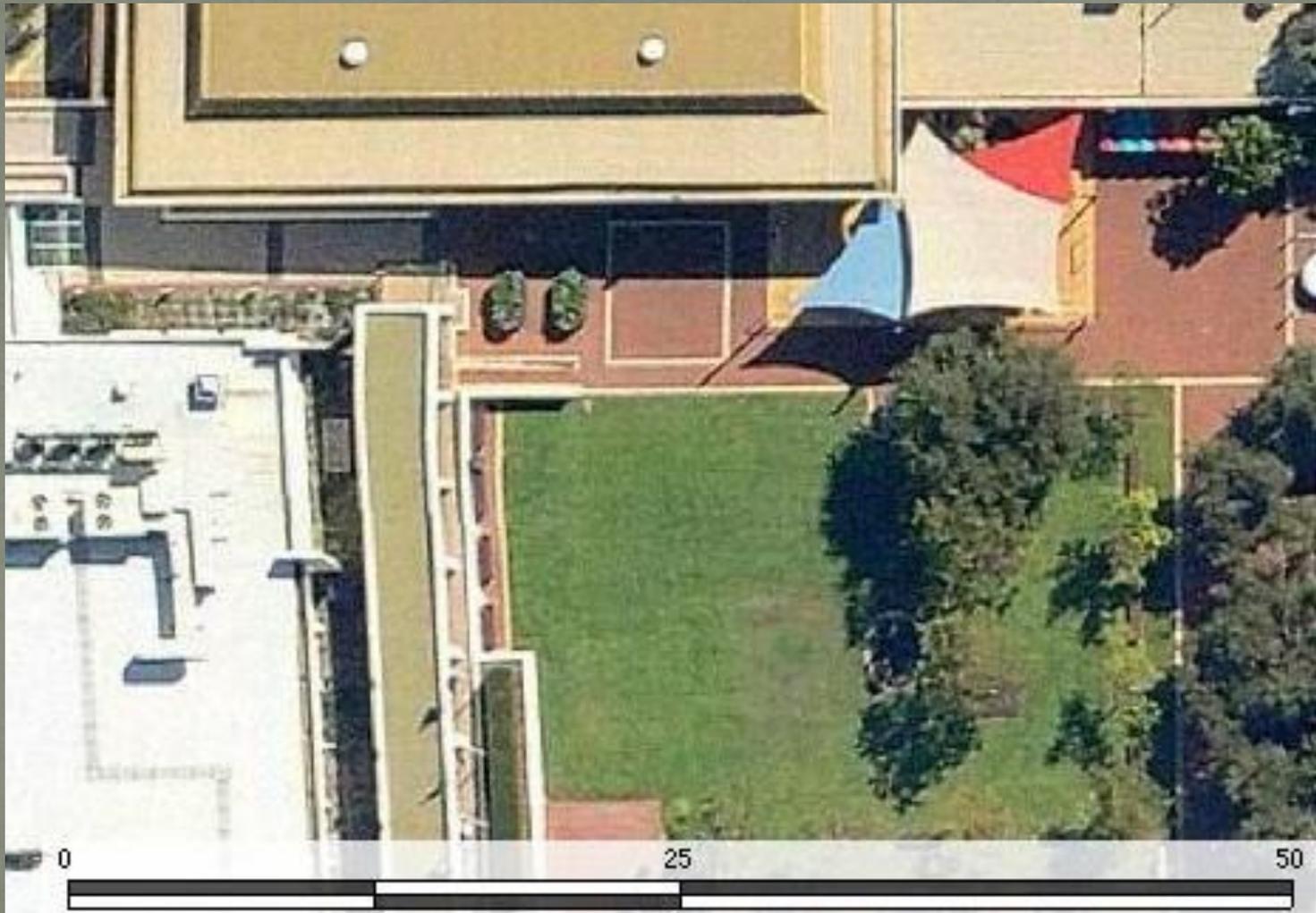


# Maximise print size and add a scale.

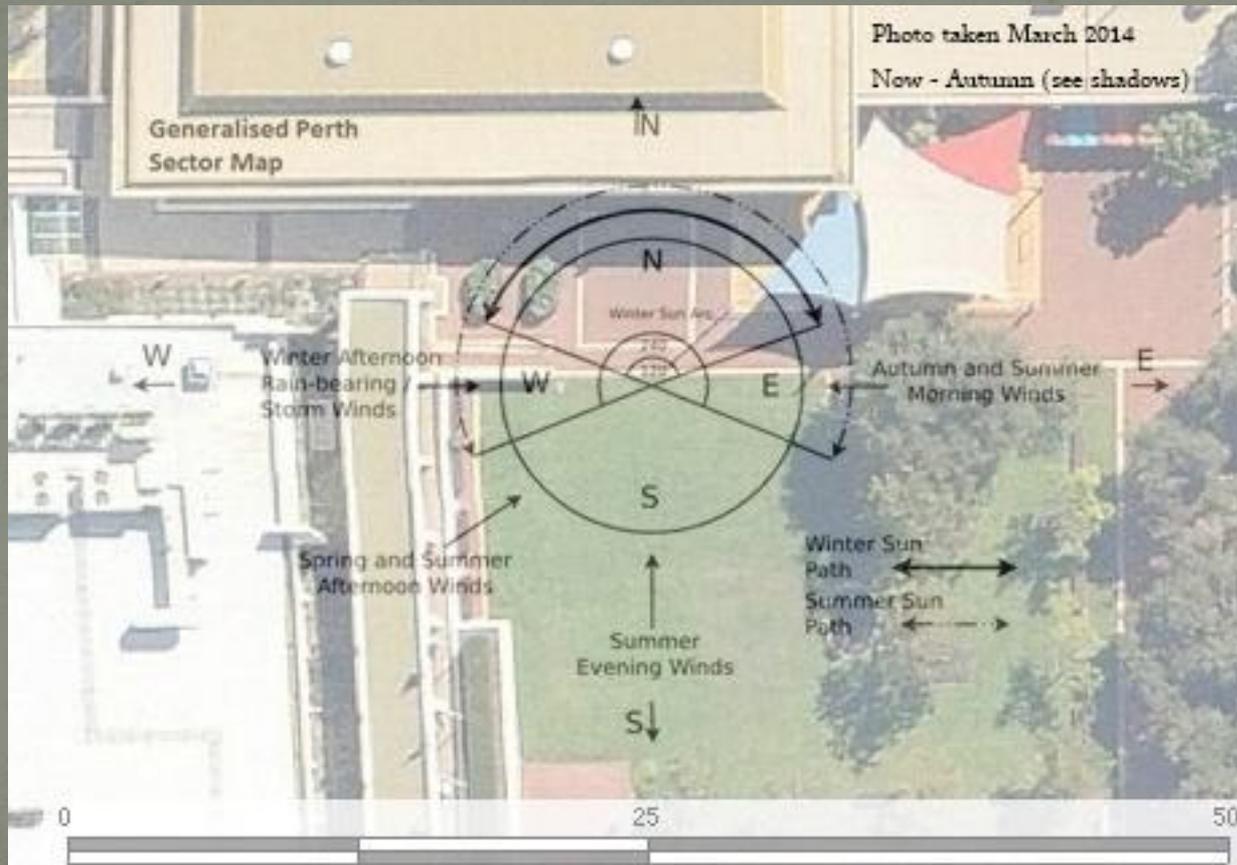
Drag your house 'down' to the map scale or measure a distance. - Print Screen – export that to a picture editor.



Use picture software to crop your block and zoom in



- Find North on your map.
- Use a sun arc see how sun 'helps or hinders' your space.



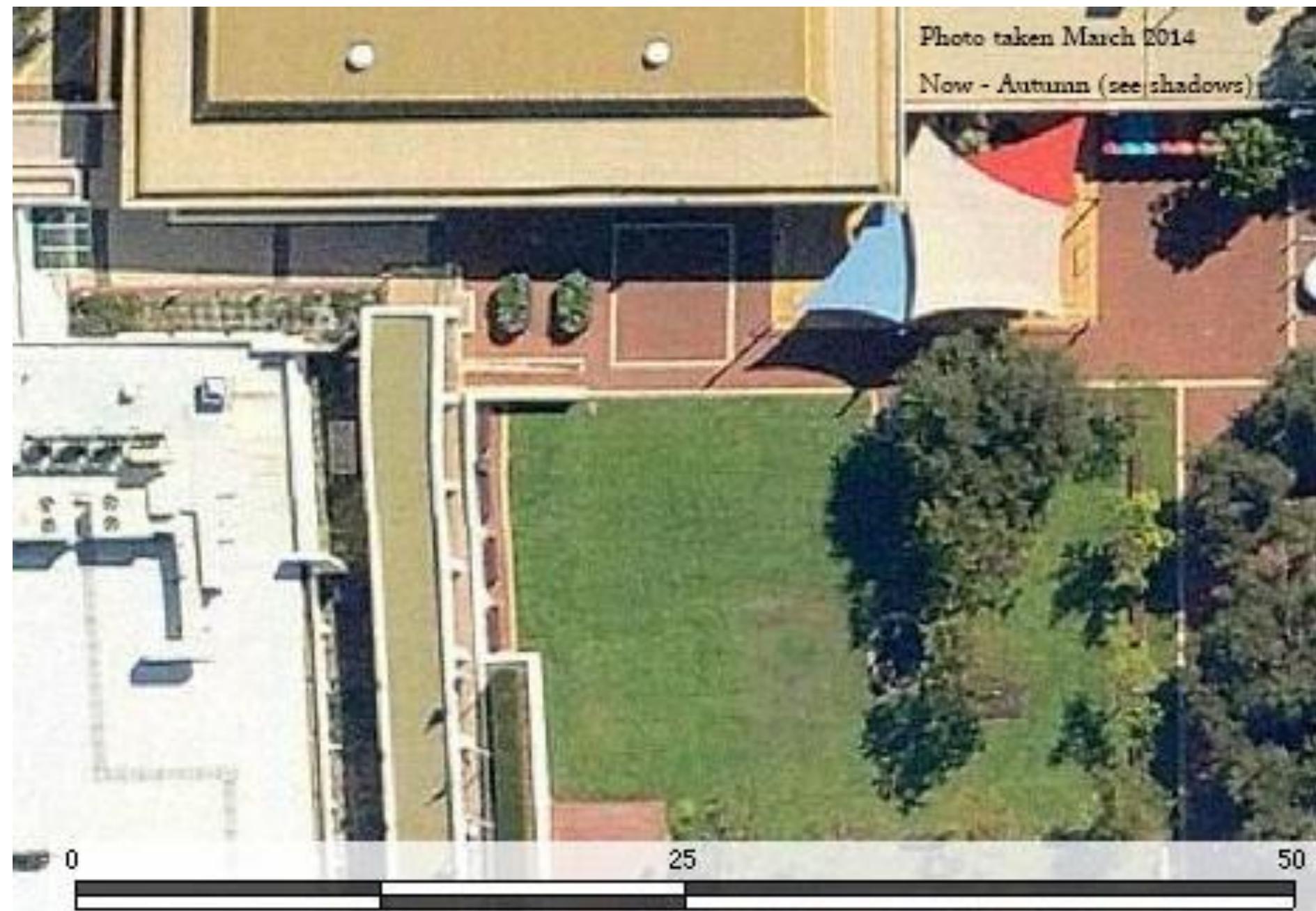
# Start Planning and Sketching

- If you have a white board and a projector, like we do, idea planning can be quick and easy.
- Otherwise print out A4 or A3 block plan, list your wants and needs, consider how they interact with each other and you interact with them and start trying to lay them out.



Photo taken March 2014

Now - Autumn (see shadows)



## Perth - Regenerative Urban Planning Priority List

- 1 - Climate** - Sun (the "Deal breaker"), seasonal change, rainfall, and wind. The mental climate of the client needs to be understood and designed for.
- 2 - Geography** - Land-shape, water catchment, and soil types. Cultural landscapes will also impose design constraints.
- 3 - Water** - Sources, storage, wetlands and waste water management.
- 4- Access** - The pathways and patterns of your habitual routes can make the difference between a successful versus an uncomfortable (and thus ultimately failing) design.
- 5 - Trees** - Trees provide shade, habitat, food, fuel, and much more. Designs should be tree-centric with integrated edible under stories.

**6 - Buildings** - Solar passive home design or the retrofitting of permanent structures and intelligently designed mobile structures, are essential to make a effective livable zone.

**7- Zoning and Element Integration** - Placement of elements into the design guided by their accessibility and frequency needs. Additionally the matching of needs of individual elements with the products of others.

**8- Soils** - The most important natural resource, but lower on the design priority as we can and always will be building the capacity of soil. All practices are regenerative of soil fertility while still creating a adequate yield to the client.

**9 - Energy** - Gravity, Electricity, Liquid/Gas, Biological (Animal, micro-biological, Photosynthetic) and Combustion. Intelligent choices can create a site that provides all its energy needs.

# QUESTIONS ?

