

## Technology Driven Schematic Site Plan Investigations

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### **Purpose:**

To test conceptual ideas and specific programmatic requirements by developing site plans.

A schematic site plan drawing provides a view on how structures (such as buildings), streets, (circulation systems) parking areas, infrastructure, and other facilities would appear on a site. At a minimum, it includes contours and elevations, lot lines, streets, building and structure footprints, other impervious surfaces, and major landscape or open space features.

### **Process:**

Work to be done in pairs based on your alternative technology investigation (see below). Your concept(s) should be based on the various approaches and requirements being revealed in your 'expert' investigations. (as well as on previous work – transect, future scenarios, concepts developed in Japan, etc)

Your only programmatic requirement is to house about 350 people in single or multi –family houses (i.e no high rises) in one of the quadrants we have worked on

Suggested steps:

- Generate a 'program' or a scenario for your area. These should be established from the above minimum requirements as well as your own sets of 'standards' and visions driven primarily by your specific Alternative Technology.
- Consider site conditions and possible manipulation as related to your approach- for example changes in topography, vegetation, and visual impacts.
- Address movement patterns and circulation
- Community facilities
- Active and inactive spaces
- Production and Absorption (energy etc.)
- Infrastructure
- Other collective resources
- Live/work multi generation lifestyles

Remember your site plan and investigation should push the envelop of ideas as related to your specific technological alternative. At this point don't be too concerned with addressing or solving all of the issues. Be creative and explore possible grounds for innovation and change.

### **Groups:**

Chris / Sole -- Sewer Systems / Greywater Systems (Ecological and Technological)  
Kristal / Cristina -- Stream Restoration / Stormwater Systems (Natural Infrastructure)  
Gates/ Eirini – Mobility / Circulation Systems efficiency  
Christina / Ben -- Energy Supply /Food production  
Alex / Deb -- Passive climate mitigation / Site Construction Efficiency

**Products:**

- Illustrative (schematic) Site Plan(s) at 1:1000
- Sections and other site exploration plans at 1:250 or similar scales.
- Typologies –sections, photos, drawings (perspective) etc. of possible site treatment – based on you alternative technologies. For example: stormwater, circulation/movement systems, waste, energy etc.
- A narrative programmatic text explaining your approach integrated with the drawings

**First in progress Pin-Up: Thursday March 5th**

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