

University of British Columbia

**LANDSCAPE ARCHITECTURE TERM 1: 2008-2009**

**LARC 504                      Sustainable Urban Design Studio (9)**

*M W F 1400-1700              Landscape Architecture Studio*

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### **Assignment 1b – Synthesis**

**Pin up review Wednesday October 1**

#### **Step one: analysis of precedents.**

The five groups need to do one more pure research task this week. Start with a look at specific eight block long sections of a corridor in Vancouver and seek to understand population densities along these corridors, the number and types of commercial establishments, the cross section of the street including travel lane widths, and the daily traffic counts for the streets. Vanmaps and Stats Canada should provide most of this. Information on density for the 25 sq km grid cells is on the SxD site at [http://www.sxd.sala.ubc.ca/8\\_research/table\\_population1.pdf](http://www.sxd.sala.ubc.ca/8_research/table_population1.pdf) . This gives a place to start. More detailed population numbers by census tract are on the stats can site.

Streets to use:

41s from MacKenzie to Marguerite Street

Broadway from Cambie to Granville

Granville from 57<sup>th</sup> to 71<sup>st</sup>

4<sup>th</sup> Avenue from Burrard to MacDonald

Main Street from Broadway to King Edward

The intention is to compare 'apples with apples' with regard to our street corridor and would be very useful as each group tries to establish some quantifiable targets alongside their design principles. For each team please provide:

- A land use map, with population figures.
- A map with traffic counts.
- A measured street section at mid point of the study area.
- Format on six to eight standard pages with a 500 word narrative.

#### **Step two: Hastings Street synthesis.**

This should be a visual synthesis that seeks to somehow map or diagram or cast as type all of the disparate elements in the analysis, with an eye toward generating design principles for the site.

*Process:*

Chart a clear conceptual path from the results of the analysis phase in the categories of history, policy, people, movement, buildings, land, and infrastructure into blended diagrams.

Examples of this are found at:

[http://www.jtc.sala.ubc.ca/projects/Surrey/surrey%20pdfs/team%20two\\_p2.pdf](http://www.jtc.sala.ubc.ca/projects/Surrey/surrey%20pdfs/team%20two_p2.pdf) (page two).

Each team should produce or more of these, seeking to understand the parts and the whole, and describing the meaning for design in the text. The original Surrey design charrette and Brentwood design charrette are still good and accessible models for how to do this.

Surrey: <http://www.jtc.sala.ubc.ca/projects/Surrey.html>

Brentwood: <http://www.jtc.sala.ubc.ca/projects/Brentwood.html>

*Design Principles*

An example of simple design principles of the type we mean are here:

[http://www.sxd.sala.ubc.ca/10\\_publications/sxd%20brochure.pdf](http://www.sxd.sala.ubc.ca/10_publications/sxd%20brochure.pdf)

(and also discussed in the class lecture)

*Preliminary Design Concept*

From this process teams should articulate governing design principles. Students should then use the principles to generate a site scale diagram. Students should then produce an urban design concept plan for the entire study area based on these principles diagram. Ultimately students should generate form rules/imperatives for architecture and landscape, which would embody these principles.

Summary of requirements for step two.

- Verbal and graphic demonstration of how analysis is incorporated into the scheme.
- Blended diagrams of how analysis is incorporated into the scheme
- Design principles for the scheme articulated in words and full site scale diagrams.
- A concept plan that embodies and synthesizes the principles and the diagrams that support them.
- 1,000 to 2,000 word description.
- Page format as for part one with the following headlines: “Analysis applied”, “Design Principles”, “Preliminary Urban Design Concept”