

**University of British Columbia**

**LANDSCAPE ARCHITECTURE TERM 1: 2005-2006**

**LARC 505 Sustainable Urban Design Studio (9)**

*M W F 1300-1700 Landscape Architecture Studio*

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**ASSIGNMENT THREE, PART TWO.**

**SYSTEMS STRATEGIES**

**Assignment Issued: Monday October 24, 2005**

**Interim Pinup Review: Monday, October 31, 2005**

**Final Review: Friday, November 4, 2005**

**OVERVIEW**

For this assignment you will stay in your present groups and take the next step toward our objective: a detailed design for the entire region. To facilitate this process we will make good use of the design manual, applying the urban design strategies therein to arrive at site influenced patterns of work, nature, movement, and neighbourhood.

**Learning Objectives**

Learning objective 1: To learn to apply fundamental patterns of sustainable urban design.

Learning objective 2: To understand how to integrate systems of work, nature, movement, and neighbourhood.

Learning objective 3: To communicate complex relationships in a simple way.

**Specific Requirements**

You will be producing four products in a short amount of time. Each product will consist of two elements:

**Element 1:** Diagrams done in the manner of those found in the design manual but customized to relate to the specific opportunities and constraints of your site (e.g. green systems in Delta an Richmond are very different than in Maple Meadows).

**Element 2:** Example applications of the diagrammatic strategy, using the Google earth tool, to a portion of your site.

**Required Products:**

1. **Patterns of Work:** Diagrams and applied strategies depicting how current and evolving patterns of work can be integrated into the design of your sector. These should be for home- based work sites, commercial/office work sites, and business/industrial sites.
2. **Patterns of Nature:** Diagrams and applied strategies depicting how this area could evolve to meet the objective of healing and restoring natural systems (90 percent reduction in impact to existing streams, consider ways to restore previously destroyed or compromised water and riparian systems).
3. **Patterns of Movement:** Diagrams and applied strategies depicting corridors at all scales and of all types (e.g. road network, street sections, greenways, parkways and paths). Consider movements of all types and all distances. Consider pedestrians, bikes, and transit and cars (in this order of priority, which, by the way, is official trans link policy).
4. **Patterns of Neighbourhood:** Diagrams and applied strategies depicting multi block (five minute walking distance), block, parcel and building configurations in prototypical areas of yours site. These should be for both infill and greenfield/grayfield sites (assuming both exist in your sector).

**Graphic Requirements:**

Each team will produce the following pages. A template sheet will be provided.

1. Work. Diagrams of work. Captions, and 200 words text.
2. Work. Work sites shown on the site. Captions, and 200 words text.
3. Nature. Diagrams of Green Infrastructure systems at various scales. Captions, and 200 words text.
4. Nature. Natural systems strategies applied to the site. Captions, and 200 words text.
5. Movement. Diagrams of movement strategies for all scales. Captions, and 200 words text.
6. Movement. Movement strategies applied to the site. Captions, and 200 words text.
7. Neighbourhood. Multi block, block, parcel and building strategies diagrammed. Captions, and 200 words text.
8. Neighbourhood. Multi block, block, parcel and building strategies applied to the site. Captions, and 200 words text.