

**University of British Columbia
LARC/ SCARP TERM 1: 2010-11
LARC 504-001 Sustainable Urban Design Studio
Getting to Minus 80 - The Vancouver Streetcar City - 2050 and Beyond**

ASSIGNMENT THREE: COMMUNITY DESIGN PROPOSALS

Assignment Issued: Wednesday October 20, 2010

Interim Pinup Review: Friday October 29 2010

Final Review: Wednesday November 10

OVERVIEW

For this assignment you will take the next step toward our objective: a detailed design for the entire city excepting the downtown. To facilitate this process we will make good use of the “Seven Rules” book, applying the urban design strategies therein to arrive at site influenced patterns for jobs, housing, transportation networks, and green infrastructure. For this assignment you will be formed into teams of three. You will produce a detailed design for the city outside of the downtown, working on your own 5k x 5x squares from the larger city grid.

Learning Objectives

Learning objective 1: To learn how to use the fundamental elements of the built landscape kit of parts to quickly explore and propose urban design strategies.

Learning objective 2: To use the urban design kit of parts to make vibrant places

Learning objective 3: To learn how to add population while drastically shrinking the per capita drain on regional resources.

The grid squares used will be found at: http://www.sxd.sala.ubc.ca/9_resources/gvrd_mosaic/gvrd_mosaic.htm
The six squares we will be designing for are 3B, 3C, 3D, 4B, 4C, 4D

The 2056 population projections for your square can be found at:
http://www.sxd.sala.ubc.ca/8_research/table_population1.pdf

The 2056 jobs projection for your square can be found at:
http://www.sxd.sala.ubc.ca/8_research/sxd_jobs.pdf

Specific Requirements

You will be producing a plan for gradual development of your assigned areas. You will draw right on the base sheets in the colors provided for you. Each plan will include four elements:

Plan Element 1: Show all the new and altered buildings would be necessary to accommodate the required increase of population in your area.

Plan Element 2: Show all the new or altered buildings where you would locate the required increase of jobs in your area.

Plan Element 3: Show the green infrastructure of your area (water quality, quantity, green streets, and new and protected habitat) in your area.

Plan Element 4: Identification of the main transit and movement corridors for the different modes, with an eye towards shifting 80 percent of trips to walking, biking, and zero GHG transit.

Submission Requirements for Chapter Six (part a):

- 1. The Five Thousand Scale Plan:** For your area, add population, jobs, green infrastructure and multi modal corridors in conformance with population distribution and jobs matrix (links above). Graphic examples for prototypical detached, attached, and apartment type housing as well as typical footprints for business park type structures and schools are provided here: http://www.sxd.sala.ubc.ca/16_reg_charrette/Handout.pdf.
- 2. 700 - 1,000 Word Descriptive text:** To explain how your design adapts the “seven rules” to the city.
- 3. Two Book Pages:** Format on your pages the entire redesigned square (you can use a high rez photo of your hand amended sheet for this) on the left hand side of the page. Label your areas, not by cell name but as follows: *Vancouver North, Vancouver South, Vancouver Northwest, Vancouver Southwest, Vancouver Southeast, Vancouver Southwest*. On the second page isolate four detail areas for extreme blow up images (in a four-square format), to express how your responses to the themes of this course have been expressed in the design. These are the seven rules of course, notably the streetcar city principle which we have spent the most time on. Also, the demographic shift and the qualitative issues explored in chapter 2 and 3 should inform your design and would be candidates for explication in the four detail areas.