

Track 2 _ A Green Building for Green Research

NIATT Sustainable Transit Research Facility

 Garages, Research Labs and Office Space

 Projected Budget: \$10 million

 Fulfilling Talloires

 UI President Tim White's Commitment to a Green Building

The Problem

On-site water retention and treatment.
 Passive heating/cooling.
 Indoor air quality/emissions.
 Day Lighting.
 Mitigating heat island effect.
 Minimum site impact.
 Low maintenance.
 Human comfort and aesthetic.

The Concerns

Made of recycled materials.
 Made with recyclable materials.

The Concerns




Charette Workshop

 Eva Matsuzaki

 Messy Tables

The Process



Charette Workshop

 Don Blackketter getting his hands dirty.

 Site Massing Models.

The Process



Charette Workshop

Marty Sorenson &
Don Blacketter...
intent on the coffee!

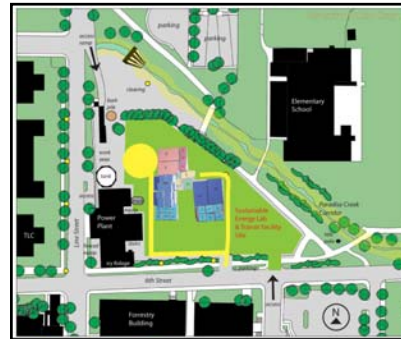
The Process



The Sites



The Sites _ Site 1



Minimal Vehicle
Access through the
site.

Alternative Paving
Methods.

Xeriscape.

01 The Solution_Site 1



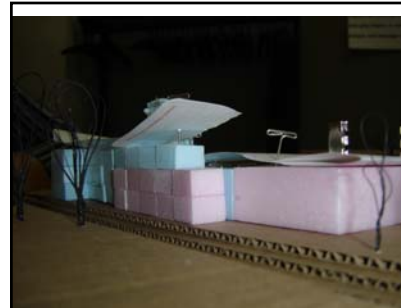
Minimal Site Impact

Entrance to the
Campus

Pedestrian Friendly
Green Roof

Through Garages

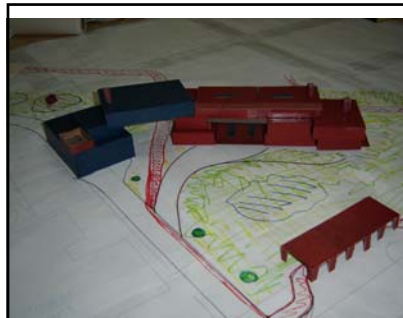
02 The Solution_Site 1



Revitalizing Paradise
Creek

Office views on the
North side

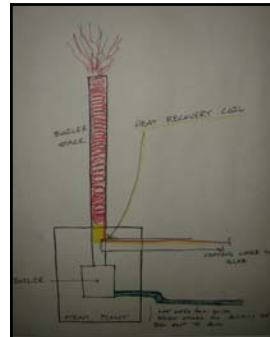
02 The Solution_Site 1



Access through building

Bus Stop – Bicycle Parking – PV Roof

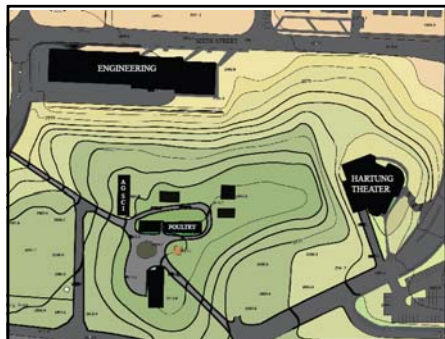
03 The Solution_Site 1



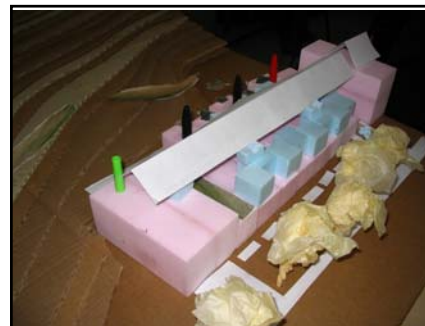
Slab Heating/Cooling

Harnessing existing energy from power plant.

03 The Solution_Site 1



The Sites _ Site 2



Building Extension

Friendly Streetscape

Minimal Site Impact

04 The Solution_Site 2



Clerestory Atrium

Cooling Towers

Existing Access

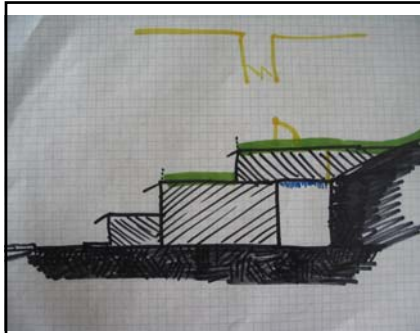
04 The Solution_Site 2



Terraced Green Roofs.

Inviting Streetscape.

05 The Solution_Site 2



Site Awareness

Terraced Green
Roofs

Access Tunnel

05 The Solution_Site 2

Let's Make This Happen

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