University of Washington
New Terry Lander
06.06.2011
**DESIGN Principles**

**Program Expression**

Articulation of housing typologies and student communities. Windows for Living-Fenestration reflecting uses within.

**Context Dialogue**

Dialog with new and existing context.

**Environmental Attitude**

Maximizing daylighting and natural ventilation
Sustainability Goals
Terry Lander

- Achieve LEED Silver
- Link energy use, water use and waste generation to behavior modification and competition
- Create biophilic focus on water and health strategies
Conceptual Diagrams
Comparative study

Lincoln Way
Brooklyn Ave
Campus Parkway
Conceptual Diagrams
Comparative study

- Lincoln Way
- Brooklyn Ave
- Campus Parkway
Conceptual Diagrams
Comparative study

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Brooklyn Ave

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Conceptual Diagrams
Comparative study
New Terry Lander
Site Plan

TERRY
NEW TERRY
NEW CENTER
NEW LANDER

CAMPUS PKWY
11TH AVE
12TH AVE
BROOKLYN AVE
BURKE GILMAN TRAIL
LINCOLN WAY

June 6, 2011
New Terry Lander
Quality of Outdoor Space

New Terry Courtyard
11th Avenue
Center Courtyard
12th Avenue
New Lander Courtyard
Campus Parkway
Street Sections

Alder

12'-0" 9'-0"
sidewalk / amenity and planting zone / Bus parking / WB drive lane

Campus Parkway at Alder (one block east of New Lander)
Median
EB drive lane / bus stop / bus access / amenity and planting zone / sidewalk

5' 8'-0" 12'-0"

Poplar

New Lander

Elm
elm grove / sidewalk / amenity and planting zone / bus boarding / bus stop / WB drive lane

Campus Parkway at New Lander (Proposed)
Median
EB drive lane / bus stop / bus access / amenity and planting zone / sidewalk

5' 8'-0" 12'-0"
Brooklyn Avenue
Section Brooklyn Avenue Proposed

New Lander

sidewalk planting / streetside paving / drive lane with sharrow drive lane bike lane parallel parking / parking access / planting sidewalk

12'-0" 5'-0" 2'-0"

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Lincoln Way
Section at Center New Lander

sidewalk

drive lanes 20'-0"

tree/amenity zone 5'-0"

sidewalk 12'-0"

dining 4'-0"

21'-0"

New Lander

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June 6, 2011
Section: Dining and Diving Board - looking East
Section: One Story Regional Desk
Section through Regional Desk and Dining looking East
Section: Dining and Courtyard - looking south
Dining Vignette
East Platform + Stairs
Context: West Campus: Phase 1
Comparative study
Context: West Campus

Existing Terry & Lander

Condon Hall

Mercer Hall

Elm, Alder, Poplar, Cedar Halls
Conceptual Diagrams
Comparative study

PRIVATE

PRIVATE

PRIVATE

PUBLIC

SEMI-PUBLIC

SEMI-PRIVATE
Masonry
New Lander
South Elevation
Masonry
Interior Suite View
Interior Living Room Apt View
Sustainability Goals - Energy

Terry Lander

2009 Seattle energy code requires 20% better performance than 2007 ASHRAE 90.1

2007 ASHRAE 90.1 is 35% below performance needed to reach the 2030 Challenge for 2011.
Sustainability Goals - Energy
Terry Lander

Target performance achieved through:

- Utilizing high performance glazing
  
  Analysis shows better performing glazing vs. reduced glazing size on south and west large windows produces indoor temps below 80 °F. on peak days.

- Rooms on S & W equipped with performance mini blinds
- Tuned Sun shading on south facing lounge windows
- Maximizing daylighting and natural ventilation
- Rooftop solar hot water system
- Kitchen and apartment heat recovery from ventilation air
- A cooling interconnect to operable windows in podium
- Performance monitoring interface to encourage behavioral change
Sustainability Goals - Waste
Terry Lander

Material Recycling
Comprehensive recycling program - paper, plastics, glass, electronics, etc.

Food Waste
Integrated collection chutes
Kitchen and dining waste composting
Campus centralized composting operation

Waste Heat
Kitchen waste water heat reclaim
Kitchen exhaust hood heat exchanger
Potential sewer heat exchanger
Greywater strategies

Toilets in podium plumbed for greywater - future connection
Laundry in podium plumbed for greywater - future connection
Roof water collected - available for use as greywater

Fixture performance

High performance fixtures used throughout
Targeting 35% water use reduction for LEED WEc3

Reduced irrigation

Native planting requiring little or no irrigation

Zero runoff

Storm water mitigated through raingardens in courtyard
Green stormwater infrastructure to the maximum extent feasible
Vignette at Residential Entry
Campus Pkwy & 12th Avenue
New Lander Resident Courtyard
New Lander Resident Courtyard
New Lander Resident Courtyard
Conceptual Diagrams
Campus