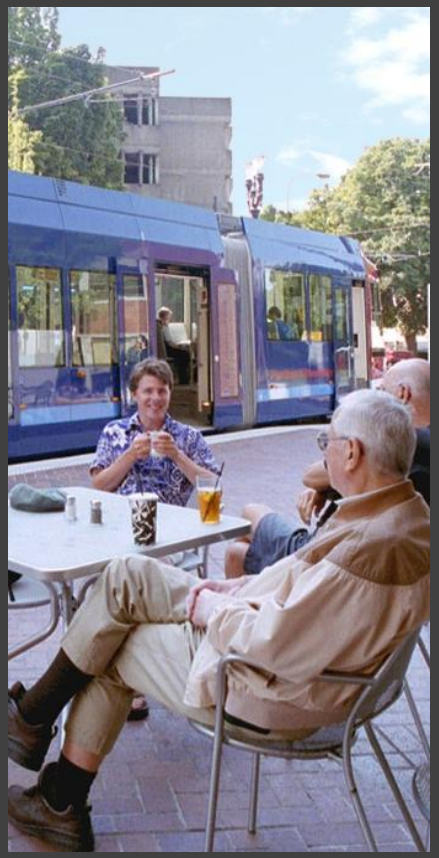
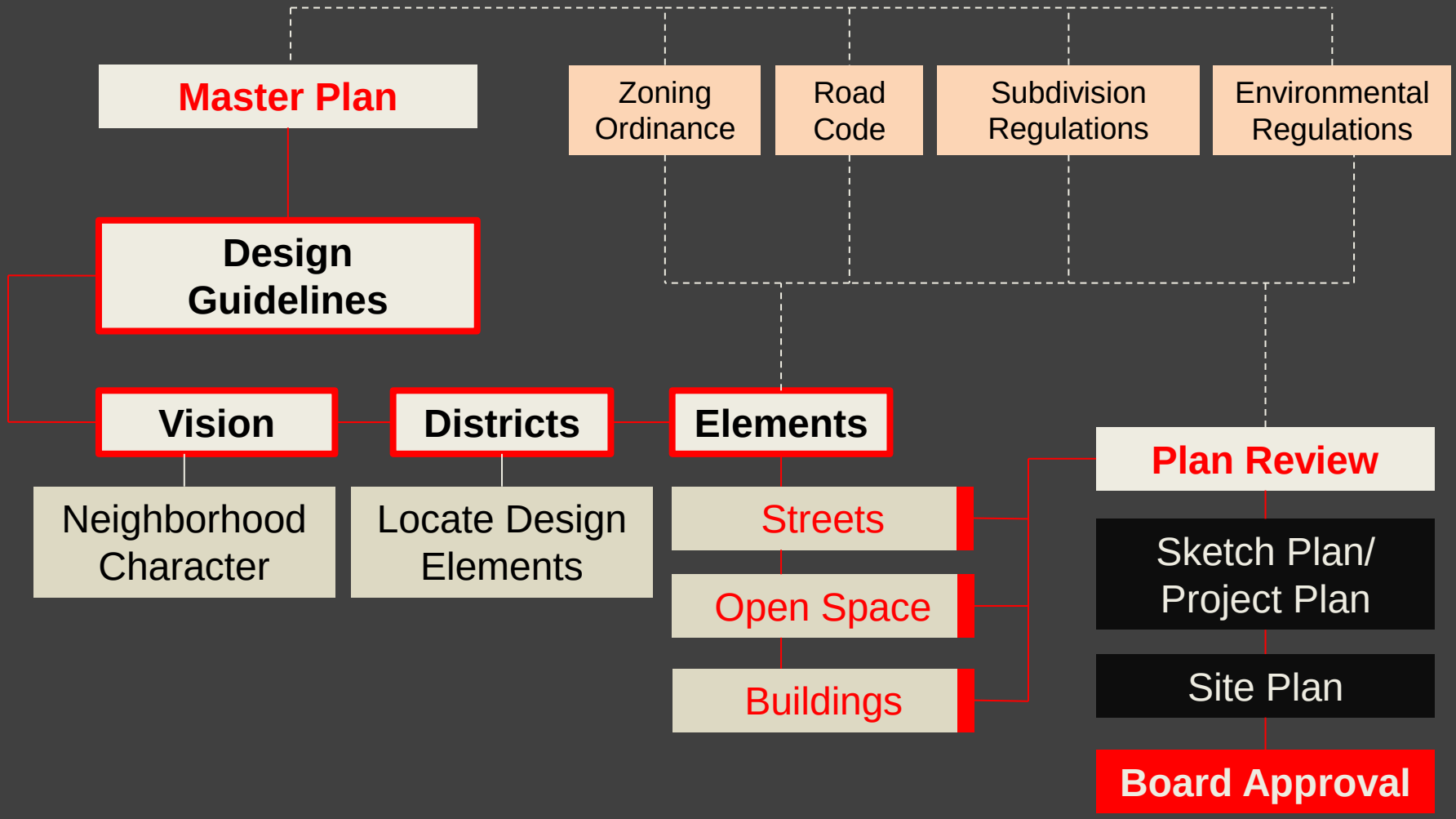
URBAN DESIGN GUIDELINES

Great Seneca Science Corridor

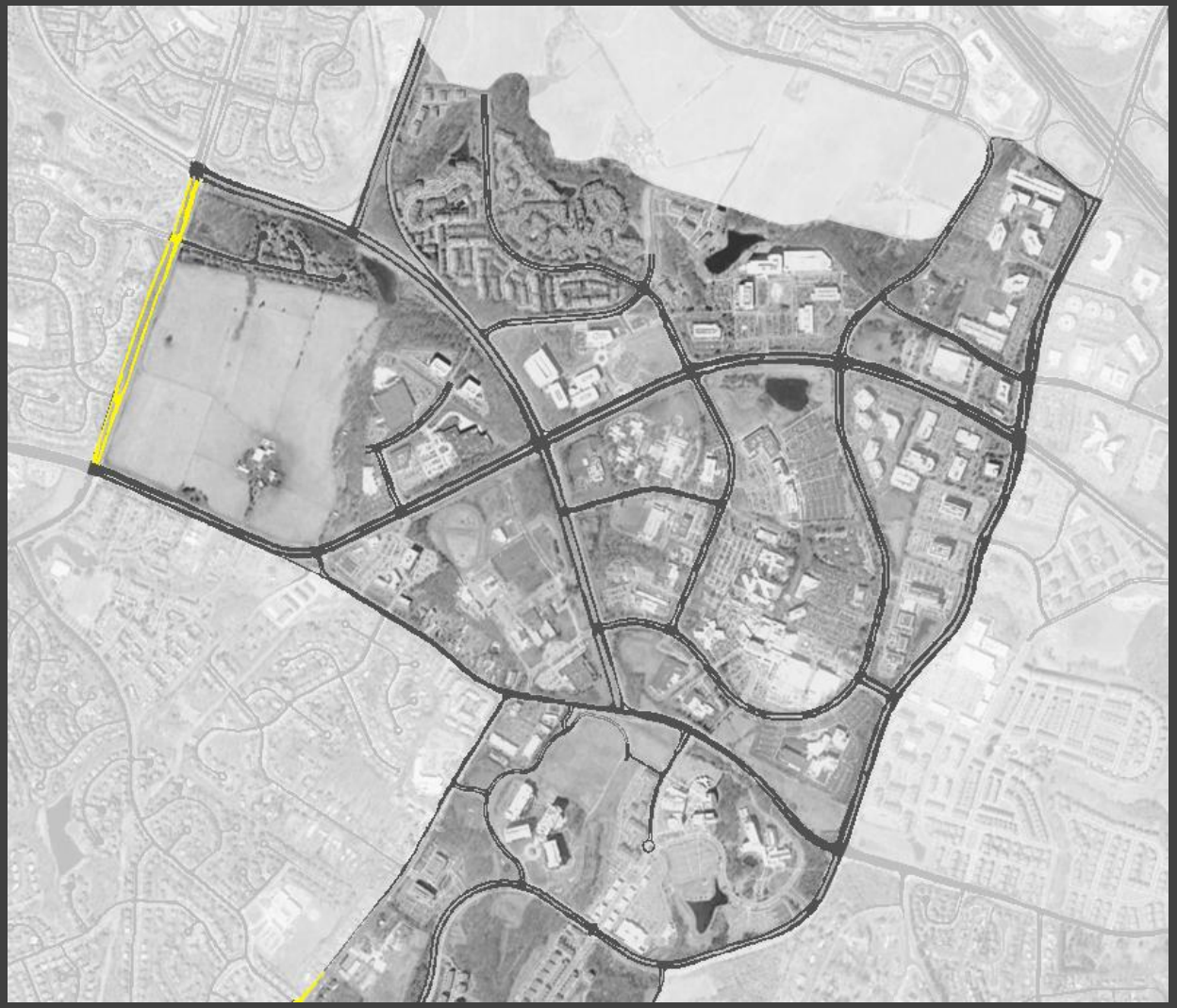


June 10, 2010

URBAN DESIGN GUIDELINES

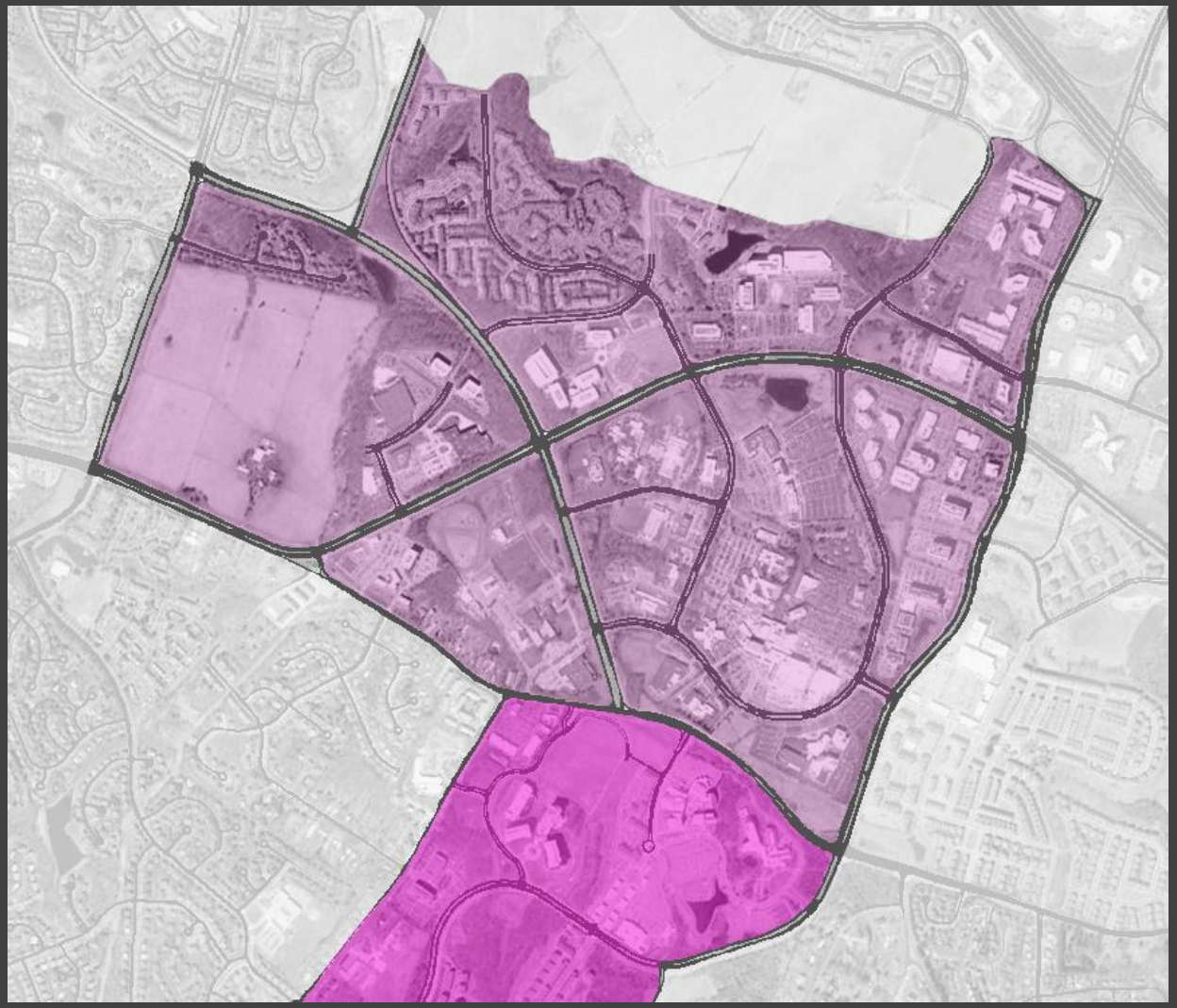


Context



- Key West Avenue
- Great Seneca Highway
- Darnestown Road
- Shady Grove Road
- Muddy Branch Road

Districts



LSC Central

Adventist Hospital Center
Johns Hopkins
J. Craig Venter Institute
National Cancer Institute

LSC West

Public Services Training Academy

LSC Belward

Belward Farmstead

LSC North

DANAC
Office Parks
Housing

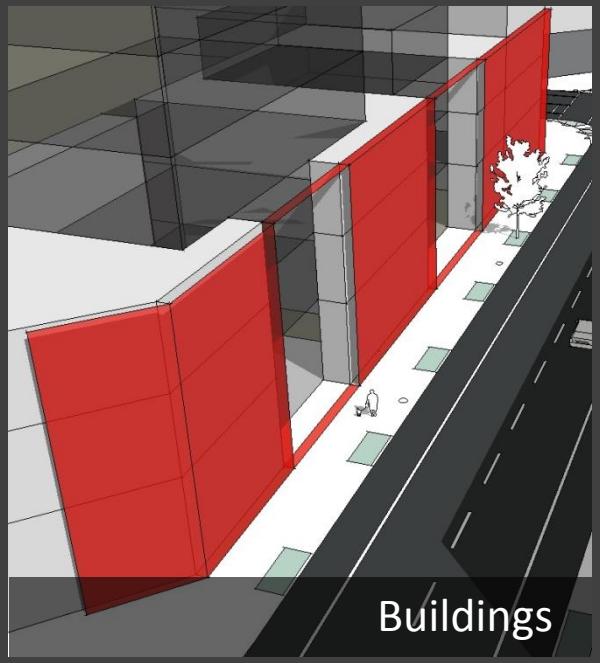
LSC South

University of Maryland
Human Genome Sciences

Plan Vision

- Establish a street network
- Extend CCT
- Create LSC Loop
- Focus building heights
- Locate important buildings
- Create new open spaces
- Link with stream network

Guidelines

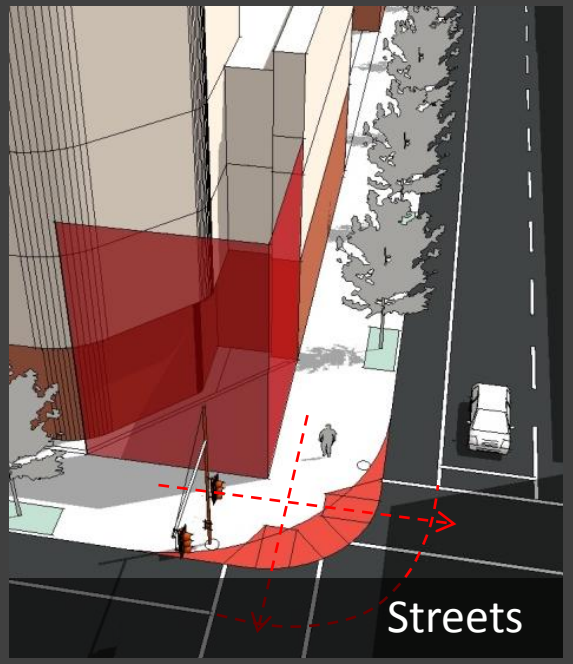


Buildings

Street Defining Buildings
Concealed Parking
Sustainable Buildings
Design Excellence

Open Spaces

CCT Transit Plazas
Linear Parks
Stream Valley Buffers
Public Use Space



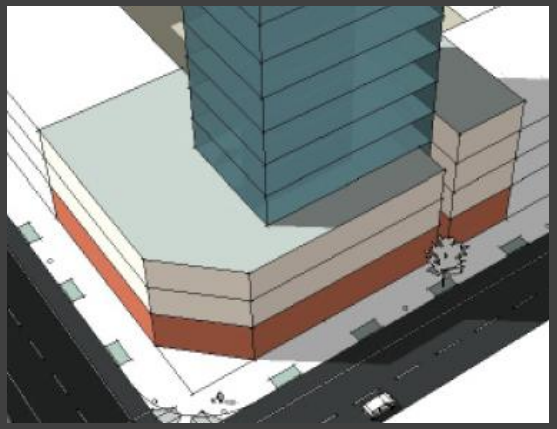
Streets

Streetscape Improvements
LSC Recreation Loop
Grade-Separated Intersections

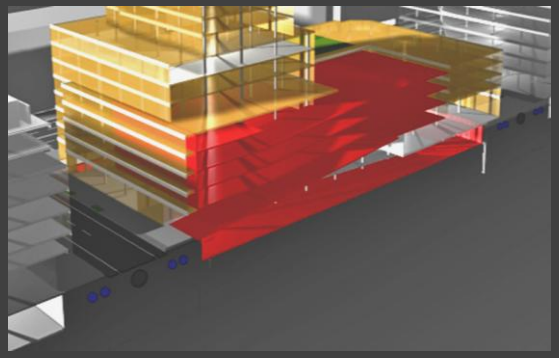
Buildings

Street Wall Definition

Active Street Fronts



Concealed Parking



Buildings

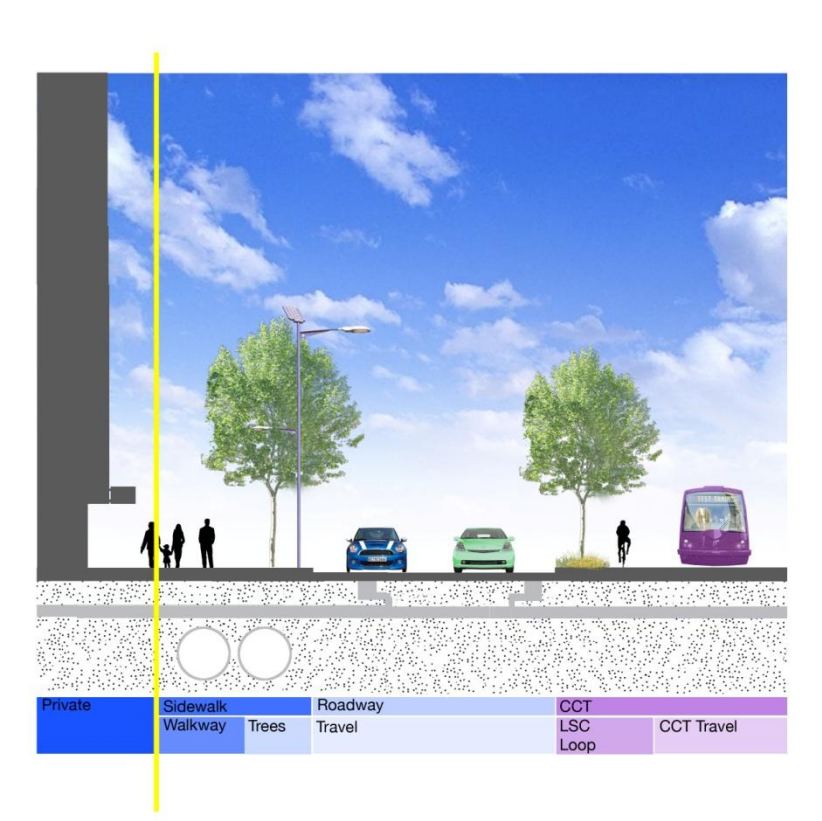
Sustainability

Green roofs and living walls
Natural ventilation
Recyclable and renewable materials
Adaptive reuse
Passive solar design
Renewable energy

Design Excellence

Diverse building styles
Flexible structures
Innovative building materials
Façade articulation
Ground floor transparency

Transit Streets

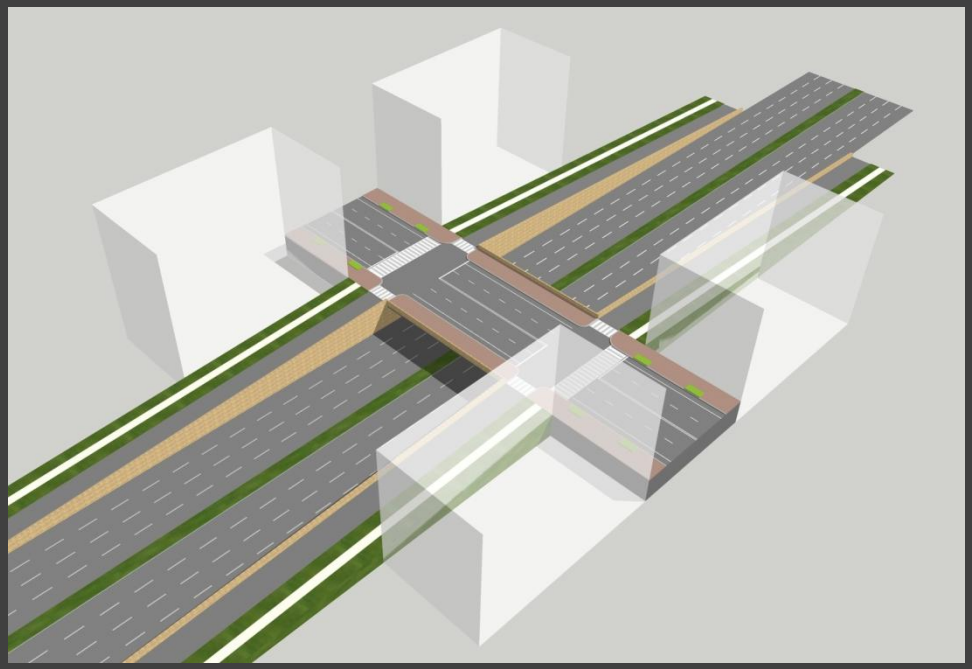


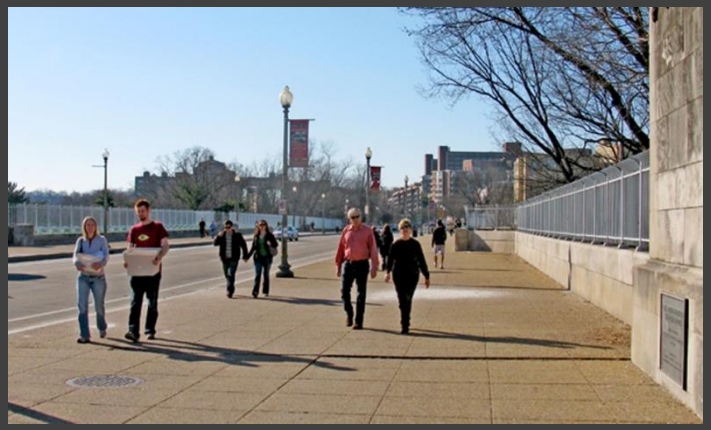
150 ft R.O.W.

Either Bus Rapid Transit or Light Rail

20 ft sidewalk with a minimum 5 ft setback

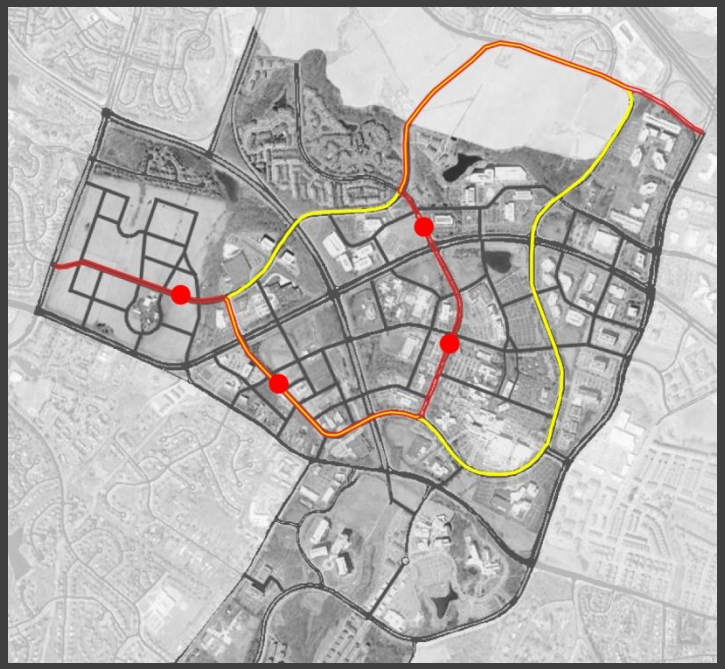
Interchanges





Minimize crossing distance
Mitigate fast entry and egress
Continuous streetscape
Bike lanes
Aesthetic consideration

The LSC Loop



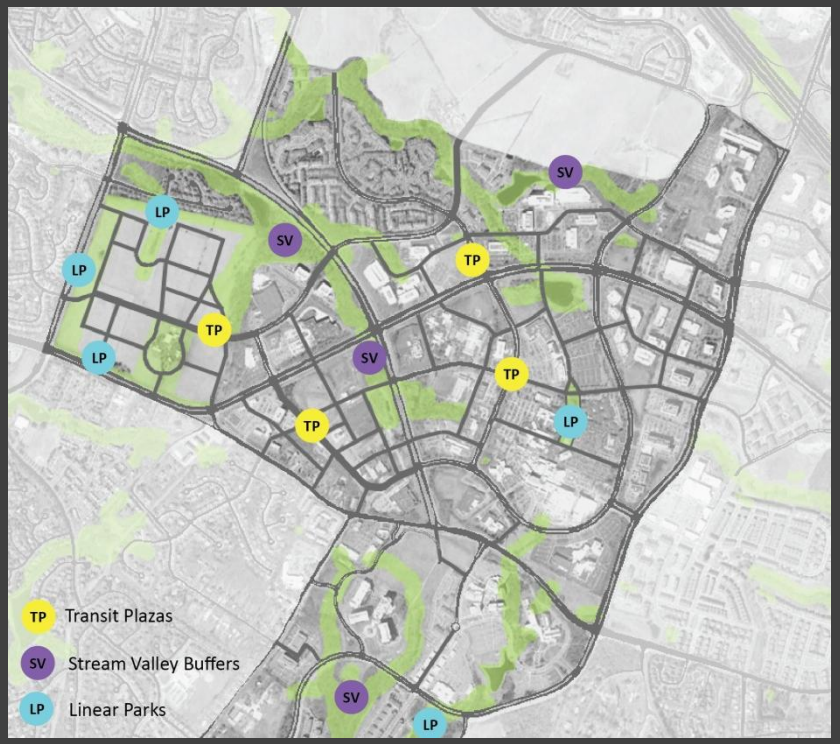
Distinct from sidewalk
Include transitions in high activity areas
Enhanced road crossings

On-Road with CCT

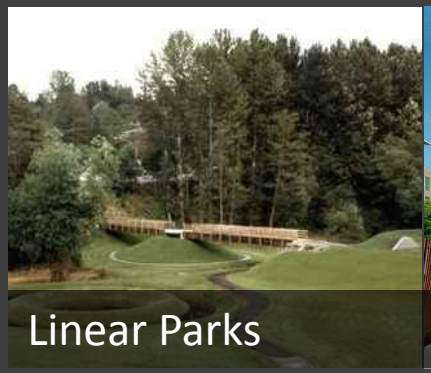
On-Road without CCT

Off-Road

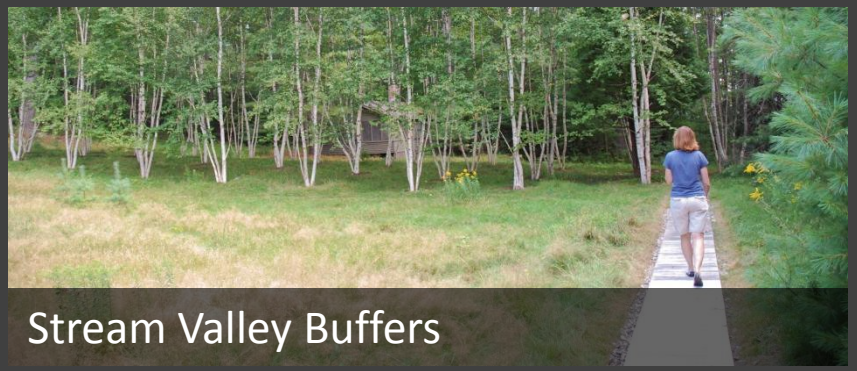
Open Space



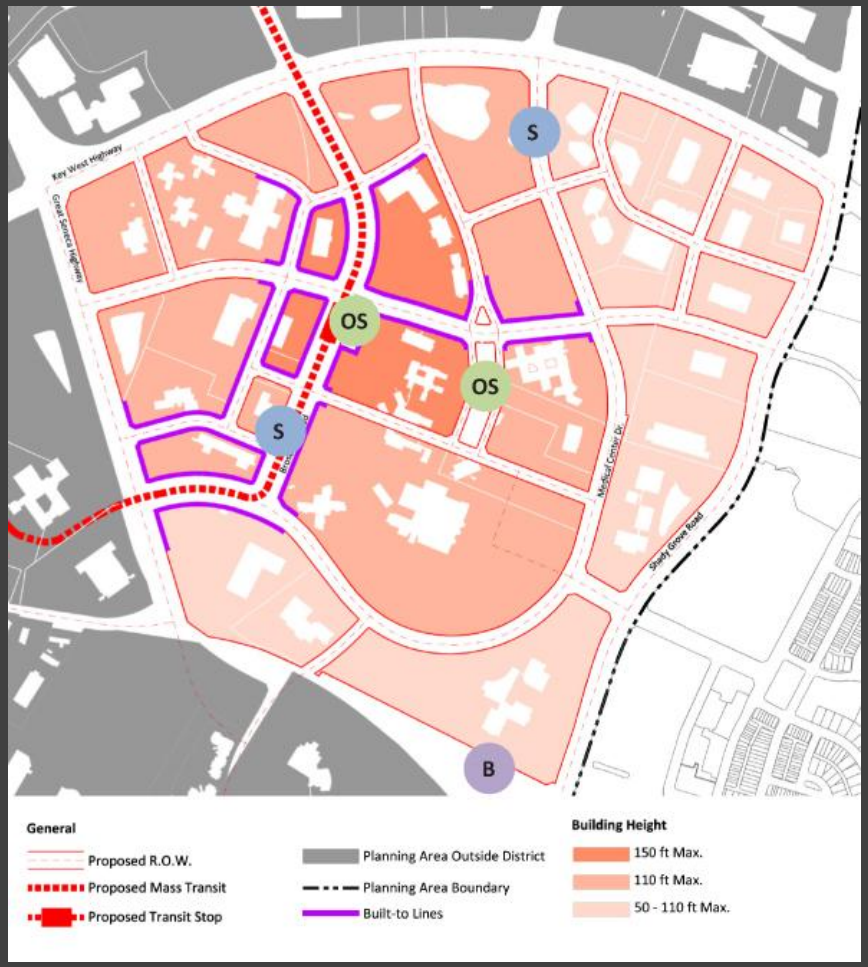
CCT Transit Plazas



Linear Parks

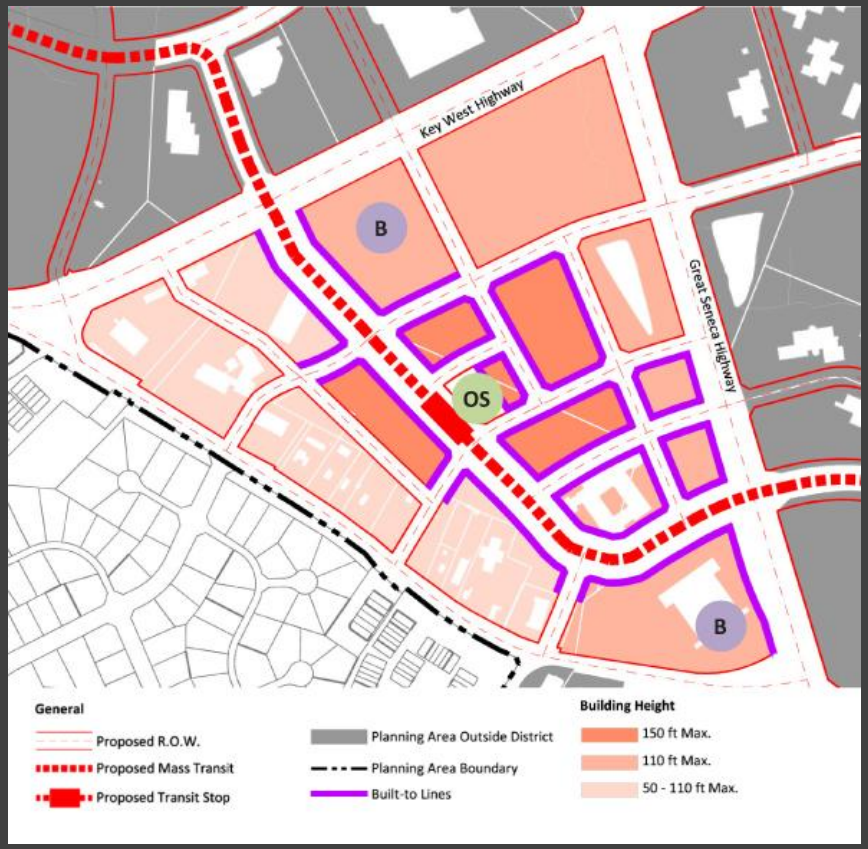

Stream Valley Buffers

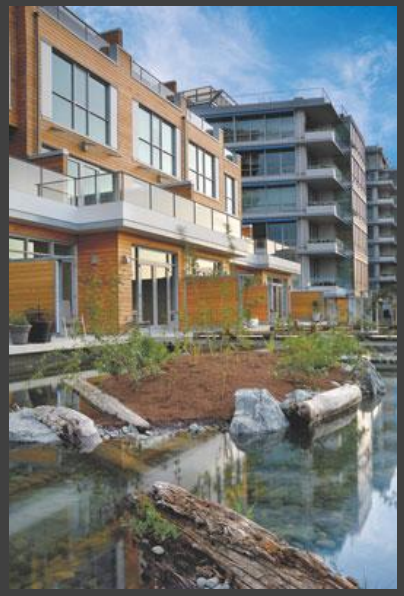
LSC Central



- ¼ acre CCT Transit Plaza
- Primary frontage on Broschart Road
- Create landmark entrance to AHC
- Civic building: Fire station

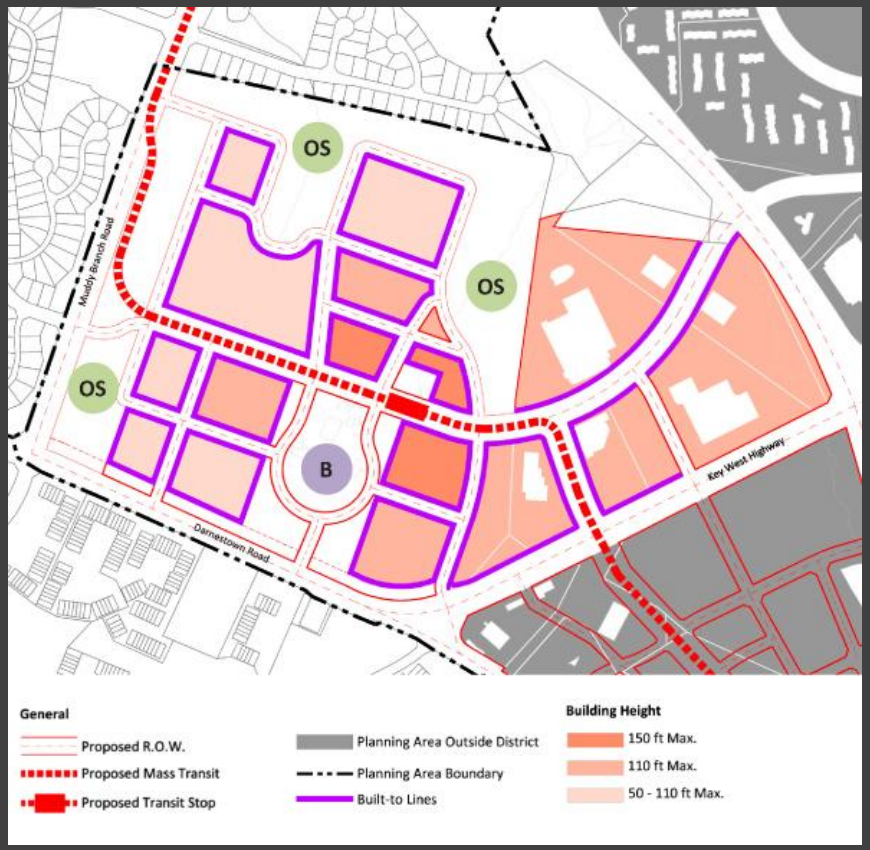
LSC West





- Primary frontage on Medical Center Drive
- Improve crossing at CCT and Great Seneca
- Landmark building at Great Seneca Hwy and Darnestown Road
- Child-friendly CCT transit plaza

LSC Belward



- Linear transit plaza
- Allow evolution of research functions
- 10-20’ setback above 60’ adjacent to farm
- Strong architectural relationship to farm