

# FUTURE FLOWS

## Reconfiguring the Flow of People and Water

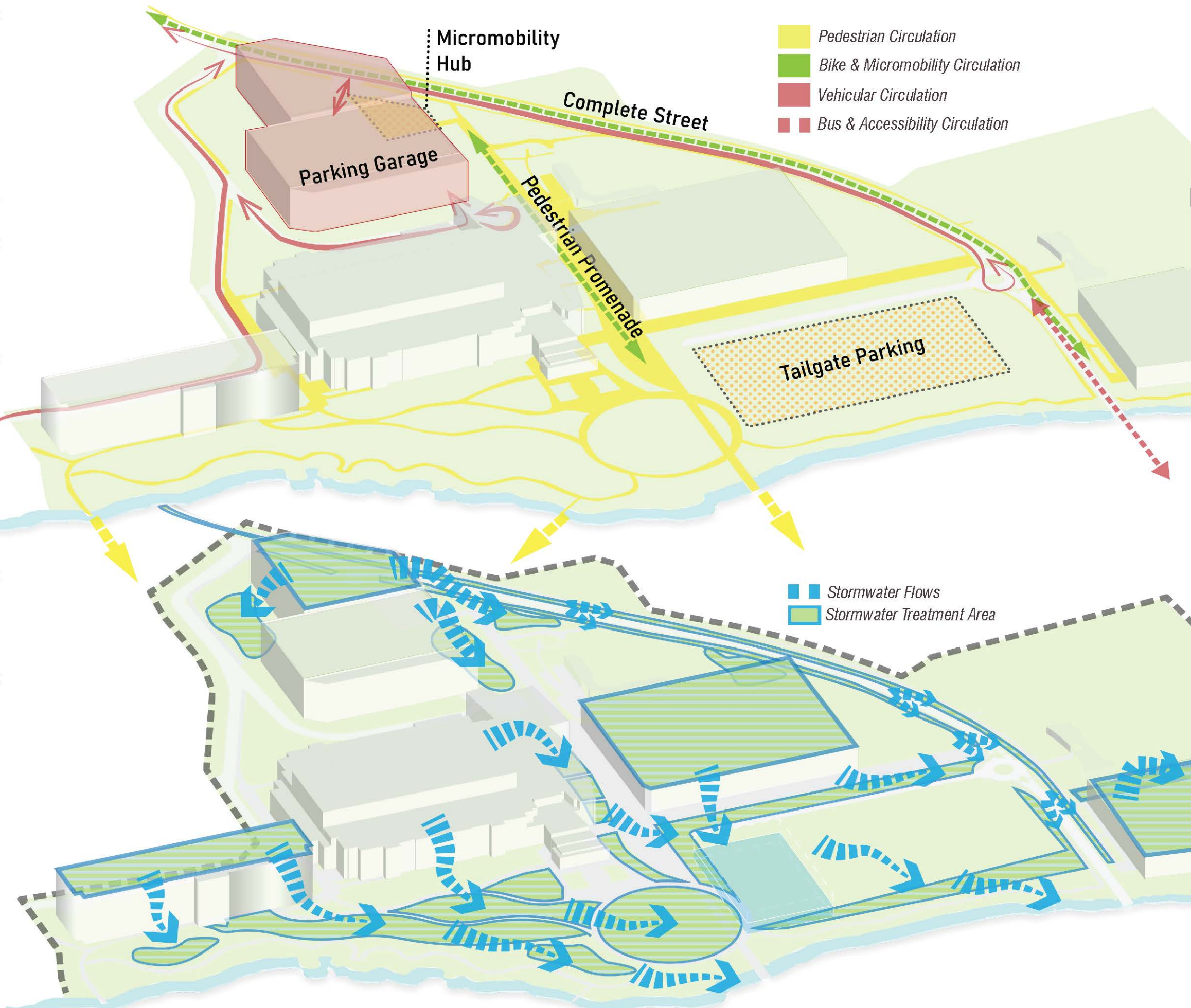
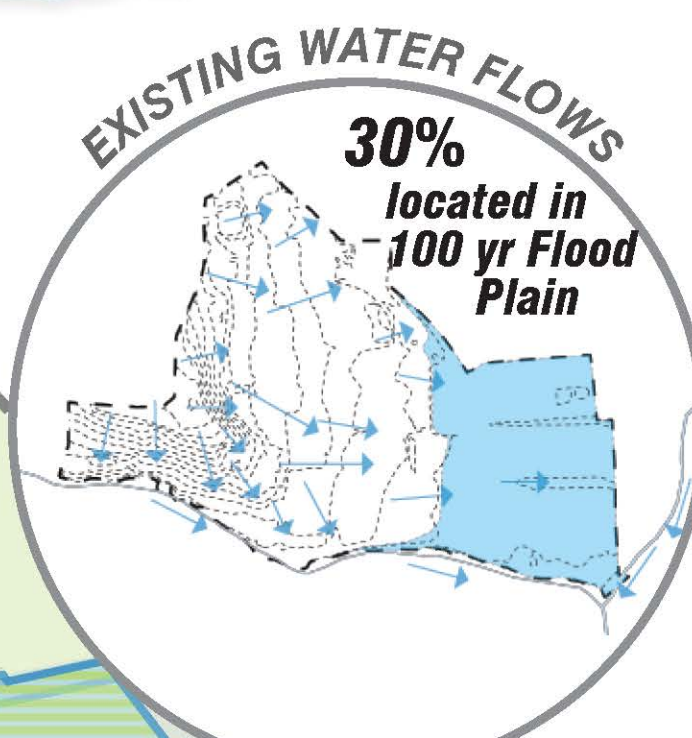
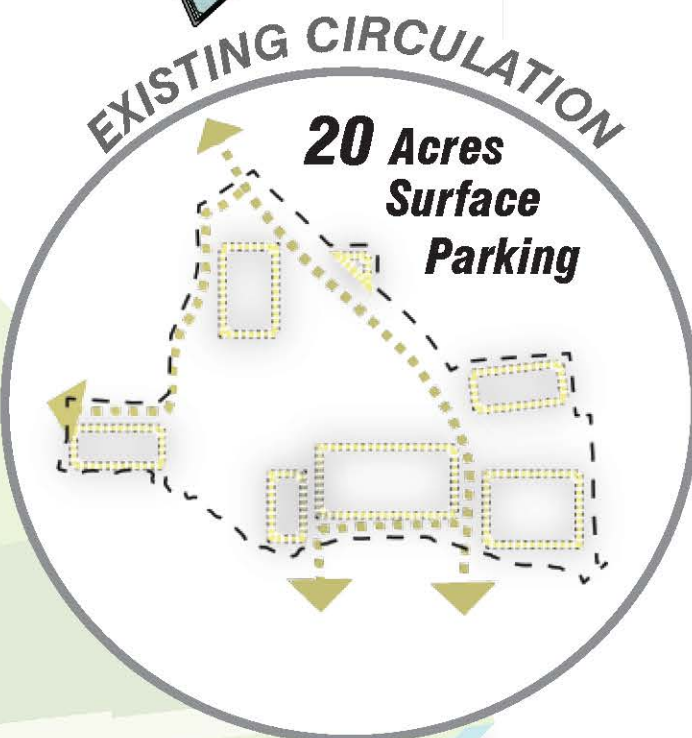
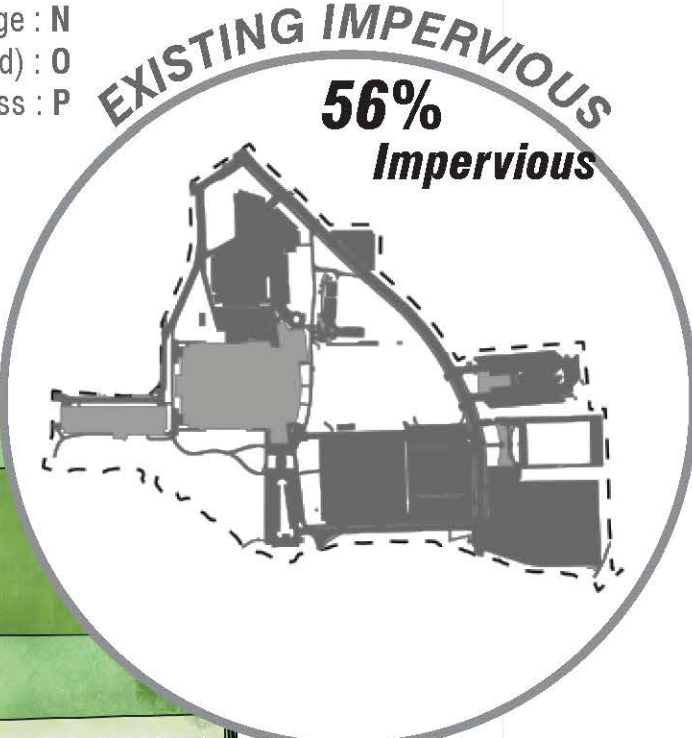
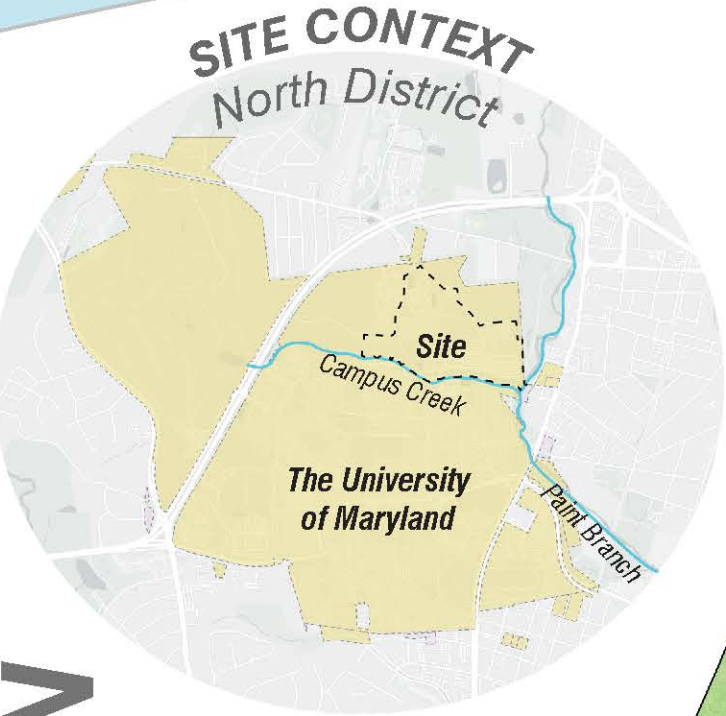
By reevaluating flows of cars and people, we are finding opportunities to improve stormwater flows on our site. We are advocating for the removal of personal vehicle traffic at the core of campus as a bold change with lasting benefits.

MASTER PLAN

CIRCULATION

WATER FLOWS

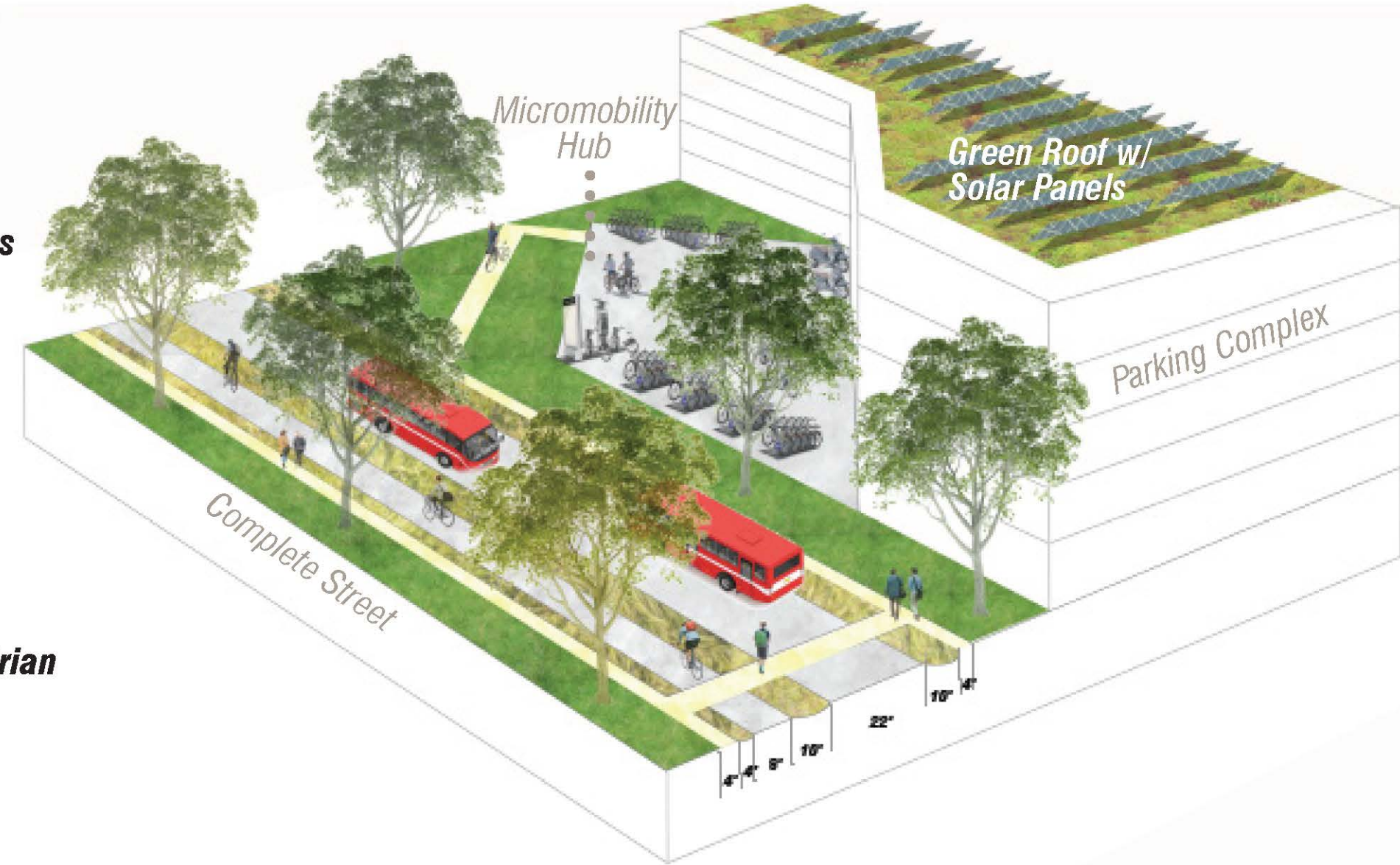
- Changes to Master Plan - Legend**
- Complete Street w/ Separated Bike Lane : A
  - Parking Complex w/ Green Roof & Solar Panels : B
  - Parking Complex w/ Rooftop Sports Field : C
  - Micromobility Hub : D
  - Reforested (Existing Parking Lot) : E
  - Basketball Practice Facility w/ Green Roof : F
  - Floodable Recreation Field : G
  - Existing Parking Garage w/ New Green Roof : H
  - New Road Alignment w/ Traffic Circle : I
  - Terraced Bioremediation : J
  - Flexible Recreation and Tailgating Field (underground Cistern) : K
  - Academic Building on Stilts : L
  - Wet Meadow : M
  - Boardwalk Trail with Educational Signage : N
  - Extended Riparian Buffer (Removed Road) : O
  - Bus Only Access : P



<b>ESD</b>	• 30k ft <sup>3</sup> Water Absorbed from Green Roofs	• 132% Decrease Avg Stormwater Runoff
	• 222k ft <sup>3</sup> Water Absorbed from Bioretention	• 2.5" Avg Rain Event Treated On Site
<b>IMPERVIOUS</b>	• 23% Impervious	• 33% Decrease in Impervious Surfaces
<b>HEAT ISLAND</b>	• 8° Decrease in Temperature	• 10% Decrease in Temperature
<b>LOAD</b>	• 34k Mg/Liter Total Suspended Solids	• 59% Decrease in Total Suspended Solids
	• 92 Mg/Liter Total Phosphorus	• 42% Decrease Total Phosphorus
	• 442 Mg/Liter Total Nitrogen	• 69% Decrease Total Phosphorus
<b>PARKING</b>	• 1800 Surface Parking Spaces Eliminated	• 70 Bus Parking Spaces Relocated from Flood Zone
<b>BIKING</b>	• 2300 Linear Feet of New Bike Lanes	• 120 Bike Parking Spaces Added
<b>TRAILS</b>	• 2500 Linear Feet of Nature Trails	• 5 New Education Signs
<b>COMPLETE STREETS</b>	• 2300 Linear Feet of Complete Streets	• 1540 Linear Feet Pedestrian Pathways Added

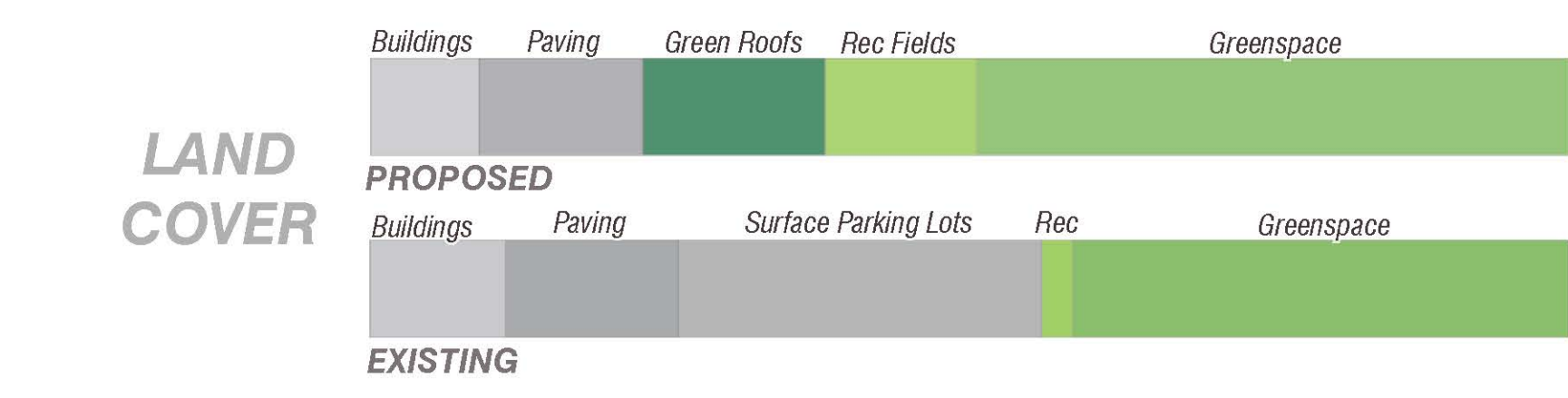


**REVITALIZE**  
stormwater strategy by improving floodplain connectivity, and decreasing stormwater runoff and pollution loading.



## RECONNECT

campus community by Facilitating a Traffic free campus and providing safe and enjoyable circulation



<b>RIPARIAN BUFFER</b>	• 3.5 Acres of Natives Planted in Buffer	• 68% Increase in Riparian Buffer
<b>CARBON</b>	• 1.3k Lbs/year Sequestered	• 3.86 Tons Stored
<b>TREES</b>	• 245 Native Trees Planted	• 710 ft <sup>3</sup> /year Runoff Intercepted



## RESTORE

aesthetic and interpretive value of campus creek and other undervalued ecological areas