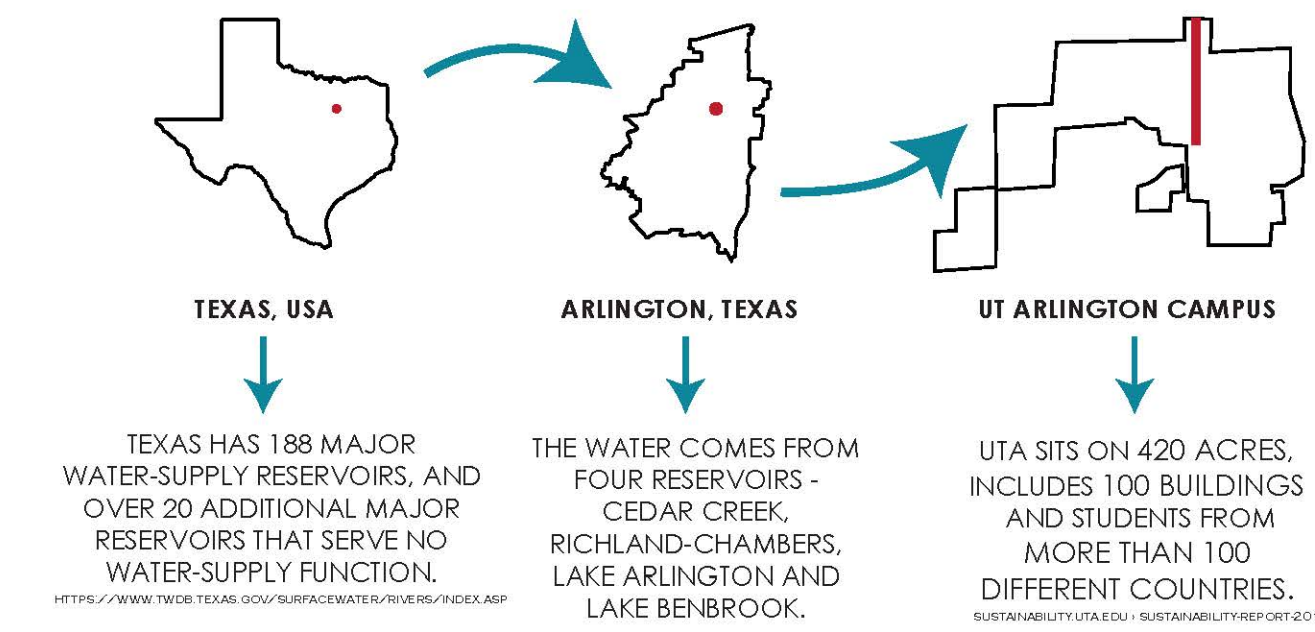
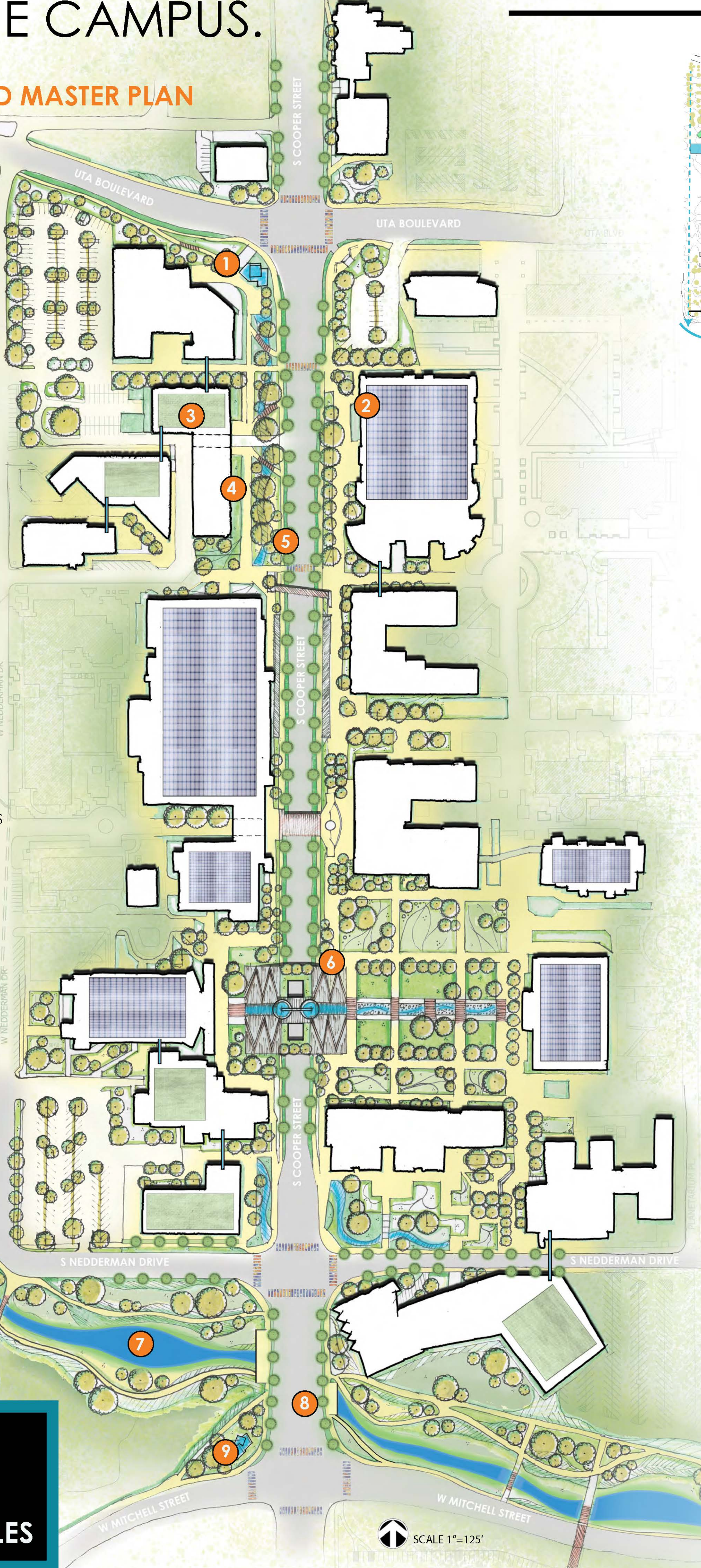


INVENTORY AND ANALYSIS



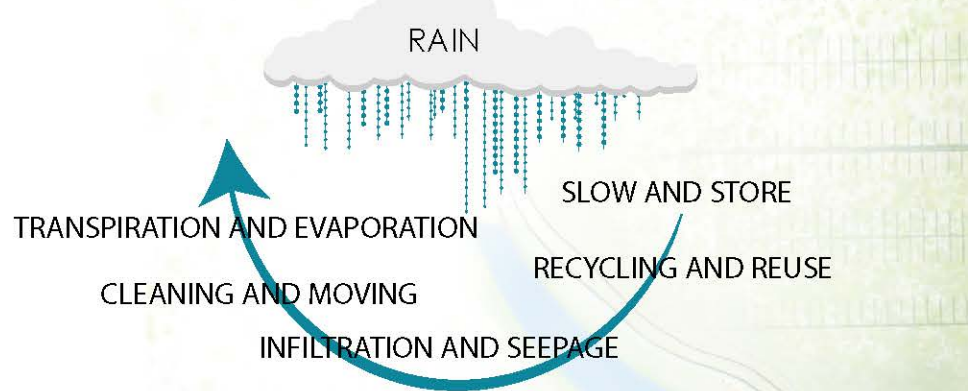
PROPOSED MASTER PLAN

THE WATER FLOWING THROUGH ARLINGTON, TEXAS WILL SUPPORT **MORE THAN 3 MILLION TEXANS** ON THE JOURNEY TO THE GULF OF MEXICO.



- ### MASTER PLAN LEGEND
- NEW ENTRANCE OF SUSTAINABILITY WITH VISIBLE CISTERNS AND NATIVE PLANTINGS
 - SOLAR PANELS ON EXISTING ROOFS
 - GREEN ROOFS
 - LARGE BIOSWALES AND DETENTION PONDS
 - VEGETATED BUFFERS AND BIOSWALES ALONG ROAD THROUGH CAMPUS
 - UPPER DECK ADDED TO CONNECT CAMPUS
 - DETENTION POND CREATED ALONG CREEK
 - CREEK OVERLOOK AT SOUTH ENTRANCE
 - ENTRANCE OF SUSTAINABILITY WITH VERTICAL GARDENS

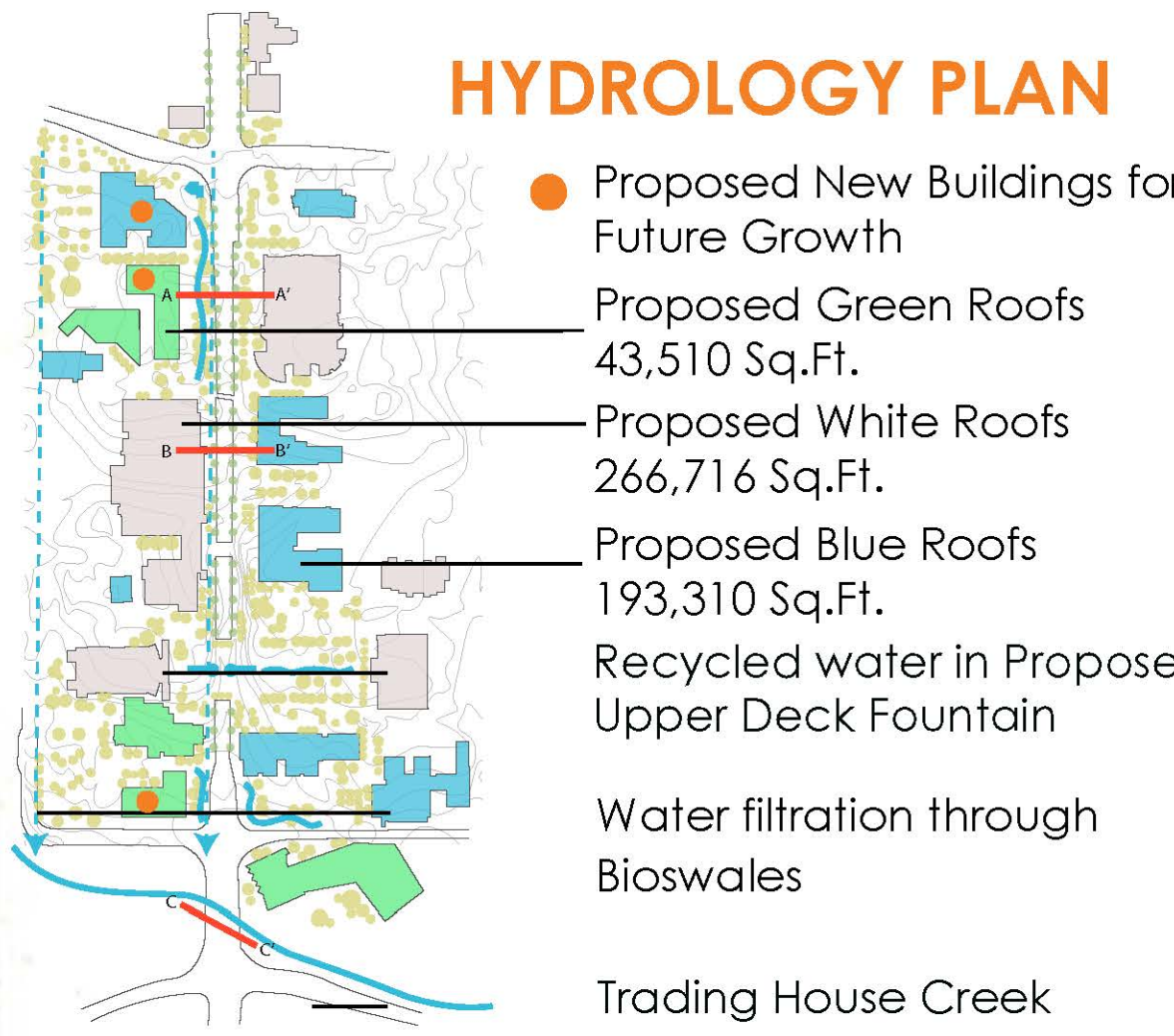
Sustainable Urban Water Cycle via the Proposed Cooper Street Corridor



- Vegetation used for atmospheric regulation along with erosion control and sediment retention
- Building facade used for heat reflection and cooling along with air purification
- Curb cuts used for capture of runoff on roads and sidewalk to direct polluted water to bio swale for cleaning
- Aeration of existing vegetative beds to encourage the seepage and irrigation of the sidewalk runoff
- Dry creek and rock edging used for the filtration and slowing of water as it leads to the creek and watershed
- Intervention areas that showcase the reuse of water in fountain features and habitat for wildlife
- Blue/White/Green roof implementations used for water collection, sun/heat reflection, and vegetative cleaning

+35 NATIVE PLANT SPECIES
+222 TREES
+27,700 SQFT OF BIOSWALES

HYDROLOGY PLAN



80% ESTIMATED REDUCTION IN SUSPENDED SOLIDS

70% ESTIMATED REDUCTION IN METALS

70% ESTIMATED REDUCTION IN BACTERIA

GOALS

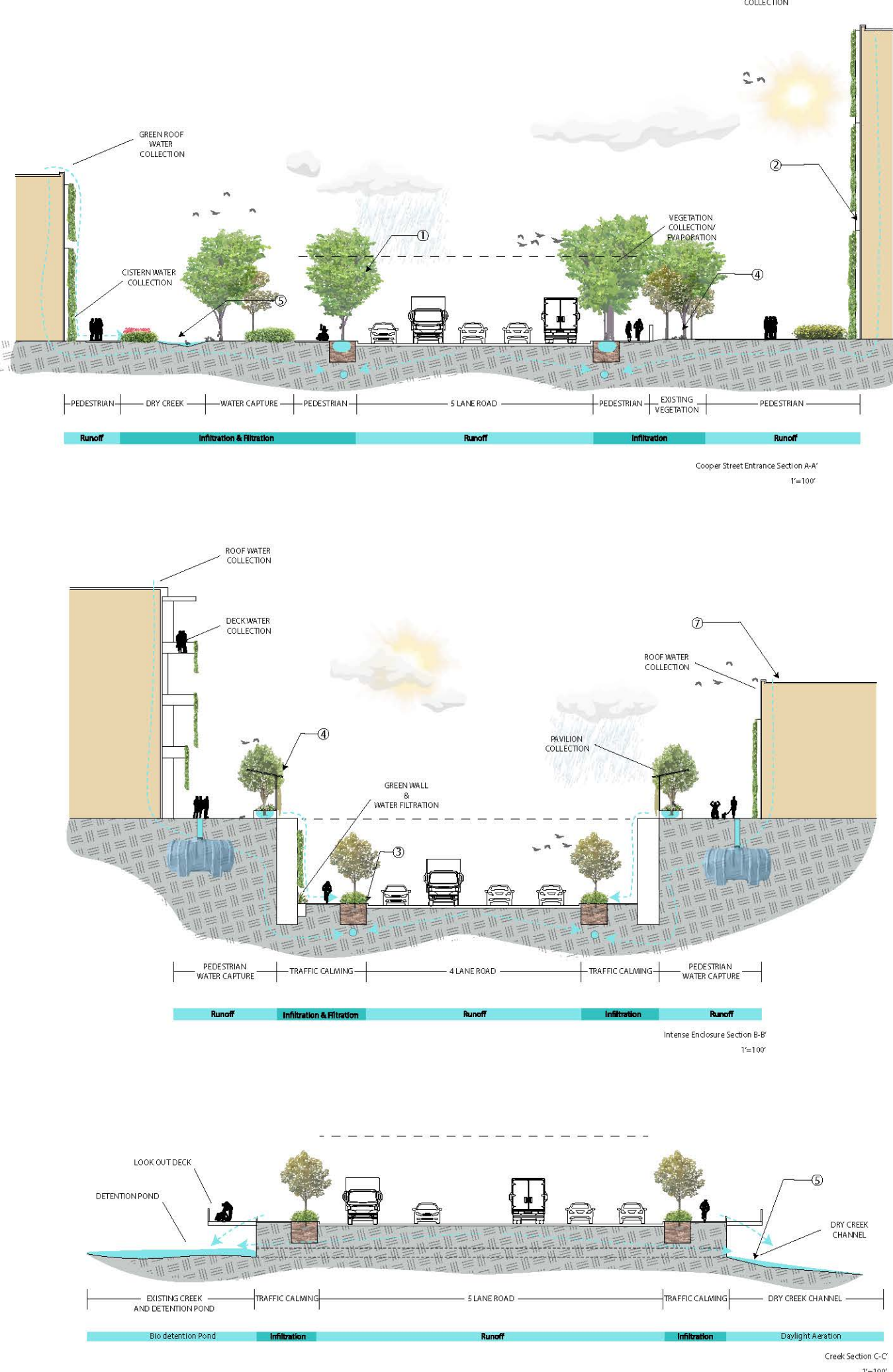
We seek to **CLEAN** our water and air to create a thriving ecosystem through the addition of bioswales and native plants. We want to **CONNECT** a campus divided by a highway. We aspire to **PROMOTE** an image of sustainability and diversity for our campus.

SITE PRE-POST CONDITIONS

ACRES IMPACTED: 56

BEFORE:	AFTER IMPLEMENTATION:
Impervious Surfaces: 41.53 acres	Impervious Surfaces: 36.46 acres
Permeable Surfaces: 14.47 acres	Permeable Surfaces: 19.54 acres
Surface Water runoff: 70.67 cu.ft/sec	Surface Water runoff: 62.70 cu.ft/sec

LID INFRASTRUCTURE ADDED



SCALE 1"=125'