

# ECO-FLOW

A WATER-SENSITIVE PLACEMAKING RESPONSE TO CLIMATE CHANGE

## EXISTING PROBLEMS

### TREE COVER

260 EXISTING TREES ON SITE

### SURFACE WATER

TRADING HOUSE CREEK GOES UNDERGROUND ON

SITE 0 SQ. FT BIORETENSION

### PERMEABLE

17% OF SITE PERMEABLE SURFACES

### IMPERMEABLE

83% OF SITE IMPERMEABLE SURFACES

### MITIGATED HEAT

127,313 SQ. FT HEAT MITIGATING SURFACES

### HEAT CONTRIBUTION

586,572 SQ. FT REFLECTIVE HEAT SURFACES

## COLLECT

RAIN WATER AND AC CONDENSATION

## CLEAN

CLEAN THE URBAN RUNOFF

## PROTECT

PROTECT THE CREEK

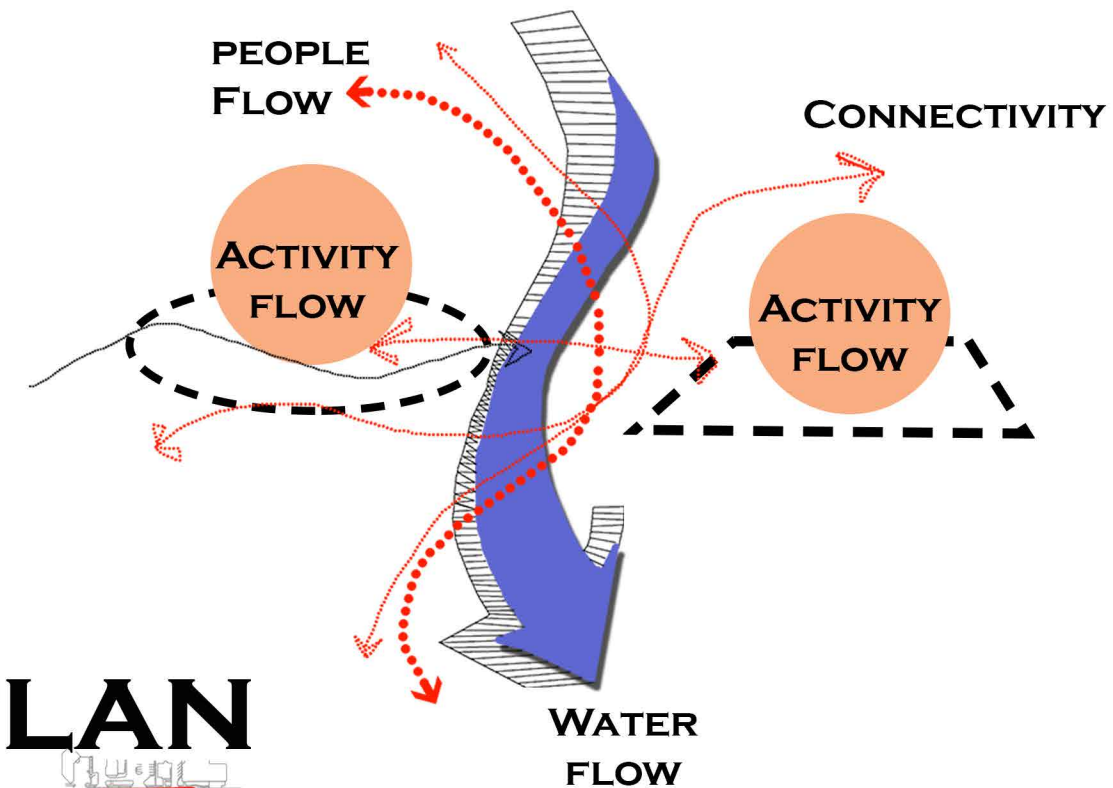
## PROVIDE

PROVIDE BETTER LIFE FOR FUTURE

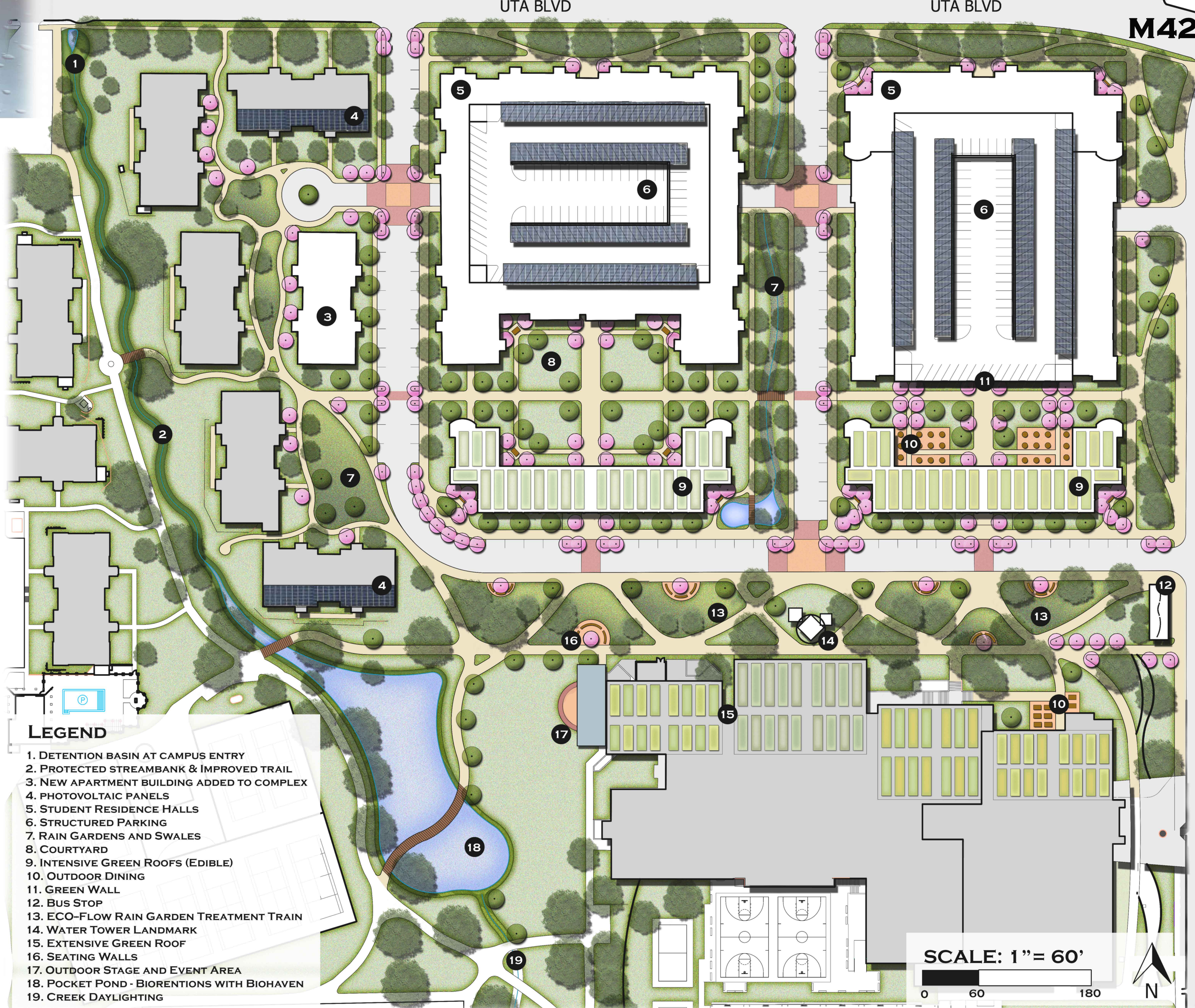
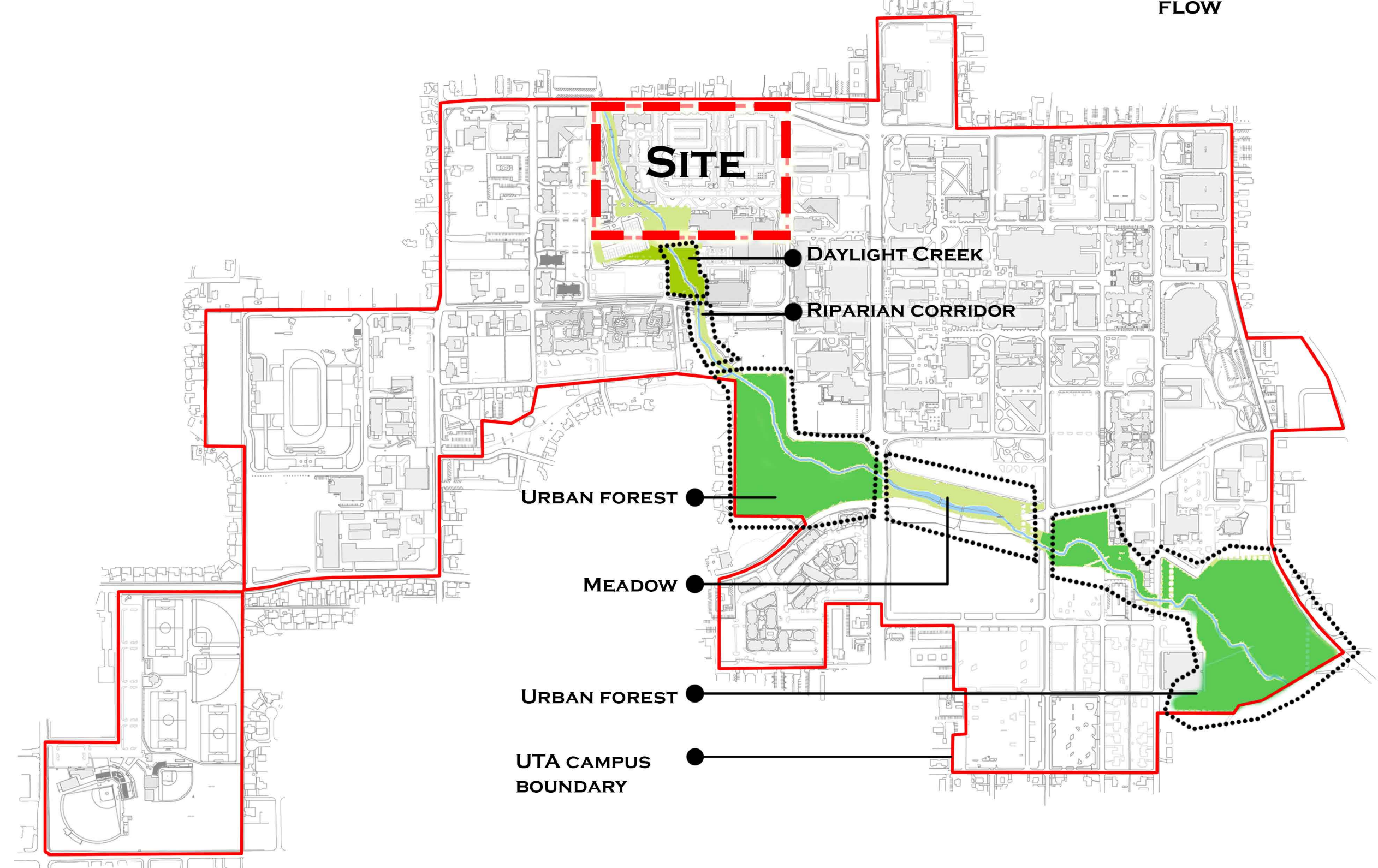
## PROJECT GOALS

GREEN INFRASTRUCTURE DESIGN  
 INCREASE CONNECTIVITY  
 IMPROVE BIODIVERSITY  
 DAYLIGHT CREEK  
 RESTORE SOIL QUALITY  
 INCORPORATE SMART BUILDING  
 IMPROVE MICRO CLIMATE  
 PROMOTE SOCIAL ENGAGEMENTS  
 INSTALL NATIVE PLANT DIVERSITY  
 PHOTO-VOLTAIC TO SUPPORT GREEN ENERGY

## CONCEPT



## CAMPUS ECOLOGICAL PLAN

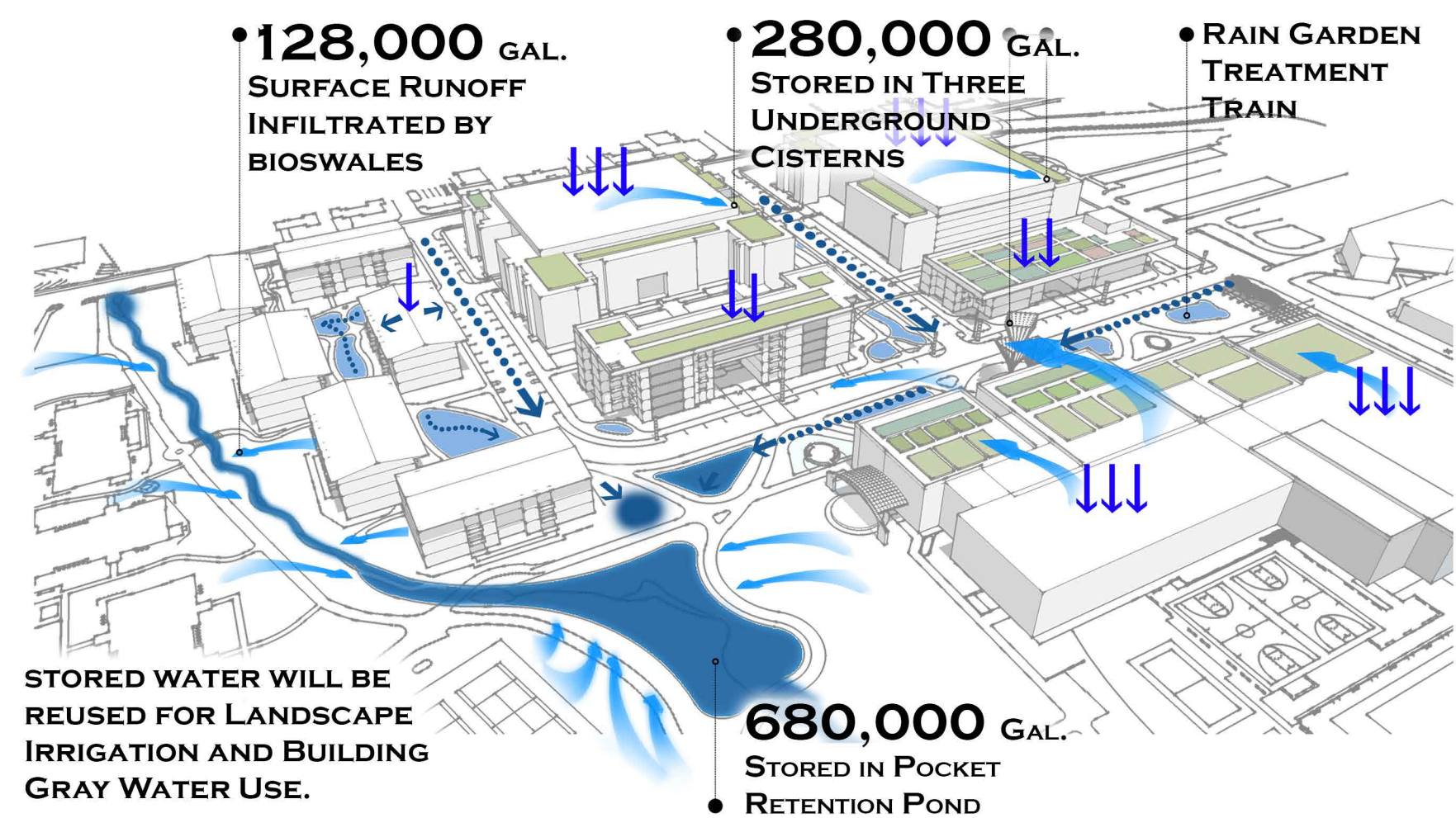


### LEGEND

1. DETENTION BASIN AT CAMPUS ENTRY
2. PROTECTED STREAMBANK & IMPROVED TRAIL
3. NEW APARTMENT BUILDING ADDED TO COMPLEX
4. PHOTOVOLTAIC PANELS
5. STUDENT RESIDENCE HALLS
6. STRUCTURED PARKING
7. RAIN GARDENS AND SWALES
8. COURTYARD
9. INTENSIVE GREEN ROOFS (EDIBLE)
10. OUTDOOR DINING
11. GREEN WALL
12. BUS STOP
13. ECO-FLOW RAIN GARDEN TREATMENT TRAIN
14. WATER TOWER LANDMARK
15. EXTENSIVE GREEN ROOF
16. SEATING WALLS
17. OUTDOOR STAGE AND EVENT AREA
18. POCKET POND - BIORENTIONS WITH BIOHAVEN
19. CREEK DAYLIGHTING

SCALE: 1" = 60'

## HYDROLOGY [2" RAIN EVENT]



## MICRO CLIMATE

