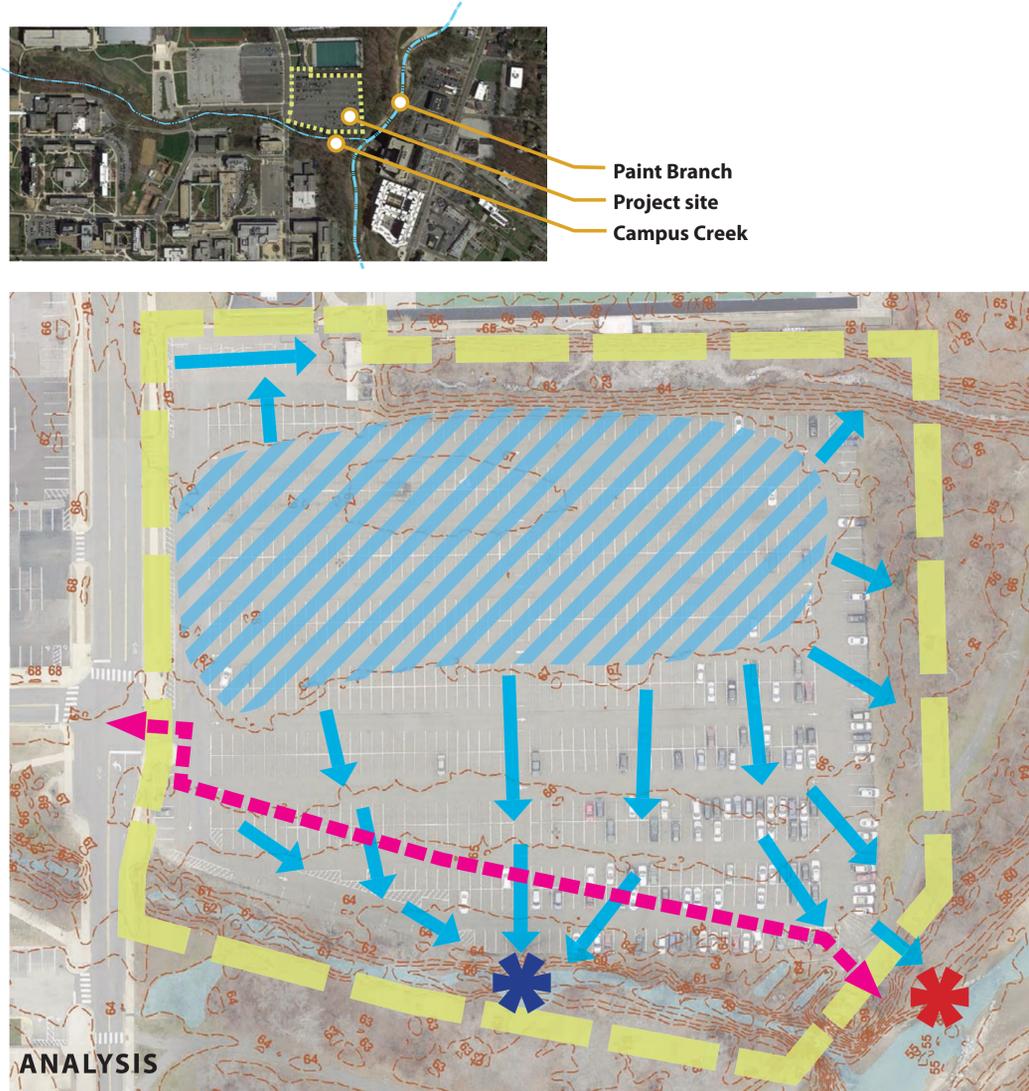


PERFORMANCE PARKING: Reimagining Lot 11B

PROBLEM



- Lack of Positive Drainage
- Polluted runoff entering into stream
- Erosion
- Pedestrians forced to walk in drive lanes
- Site Boundary
- Drainage Direction

GOALS

- **Capture, detain, infiltrate and treat the 1 year storm event** on site
- **Retrofit** the site of the campus's first BMP
- Create catchment zones to facilitate **comparative bioretention research**
- Mitigate **urban heat island** through increased ground vegetation, tree canopy and solar canopy
- Improve efficacy and safety of **pedestrian circulation**

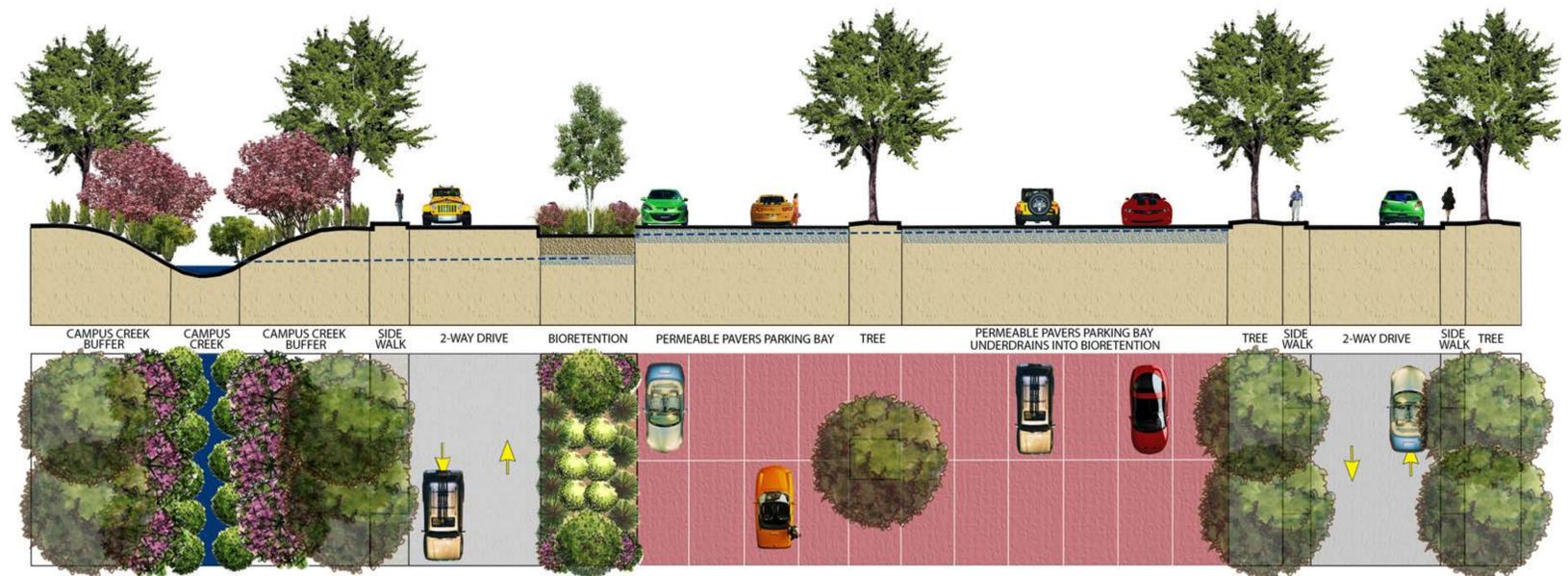
CAPTURE-DETAIN-INFILTRATE-TREAT



FEATURES

- 1 Permeable paver parking bays infiltrate and filter water, with under drain to bioretention
- 2 Shade trees to ameliorate urban heat island effect
- 3 Bioretention cells cleanse and infiltrate stormwater runoff
- 4 PV array powering electric car charging stations
- 5 Dedicated pedestrian zones improve circulation and increase safety
- 6 Improved vehicular ingress and egress

PLAN 0 30 60 120 180 Feet



SECTION/PLAN A-A'