



OUTCOMES

- 25" /YR.** RUN-OFF REDUCTION FROM EXISTING CONDITIONS
- 596,642 GAL./YR.** CAPTURED RAINWATER REDUCES POTABLE WATER USE FOR IRRIGATION
- 623,000 GAL./YR.** GROUNDWATER RECHARGE
- 100%** AREA OF PROTECTED STREAM BANK
- 3 ACRES** OF RESTORED SOILS ON SITE
- 93%** OF 260 CANOPY TREES PROTECTED
- 2%** INCREASE IN NATIVE TREE CANYON COVER
- 80%** OF DINING HALL ROOF AND **50%** OF ACTIVITY CENTER ROOF SHADED BY VEGETATION
- 300 SQ. /FT.** GREEN WALL ADDED
- 3 ACRES** DECREASE IN HARDSCAPE
- 1.162 MIL. KWH/YR.** GREEN ENERGY GENERATED ON STRUCTURED PARKING
- 5,000 TONS** OF CO2 GREENHOUSE GAZES MITIGATED VIA PHOTO-VOLTAIC SYSTEMS.

PERFORMANCE

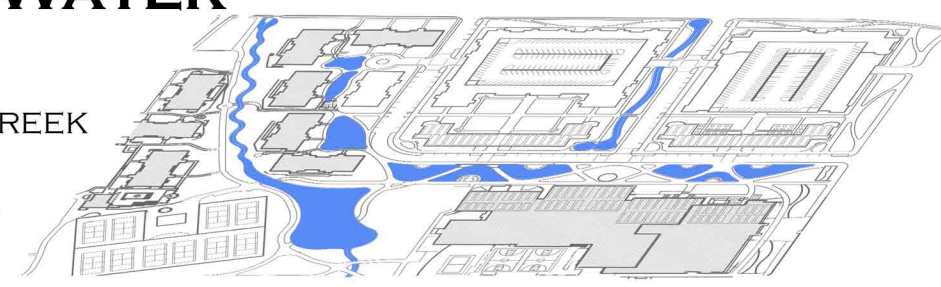
TREE COVER

93% OF EXISTING TREES RETAINED + 250 NEW TREES
= **510** TREES ON SITE



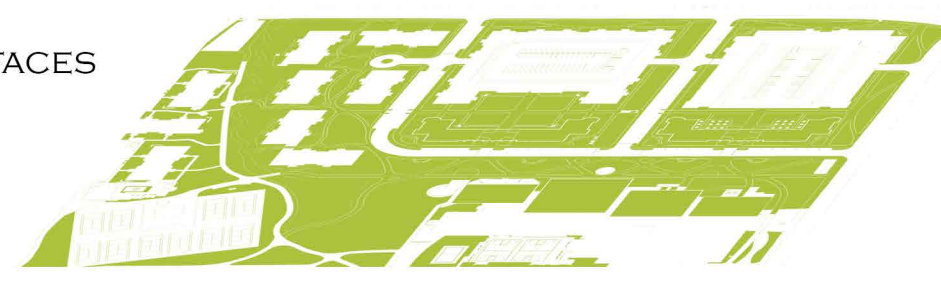
SURFACE WATER

DAYLIGHT TRADING HOUSE CREEK
ADD **42,409** SQ. FT OF BIORETENSION



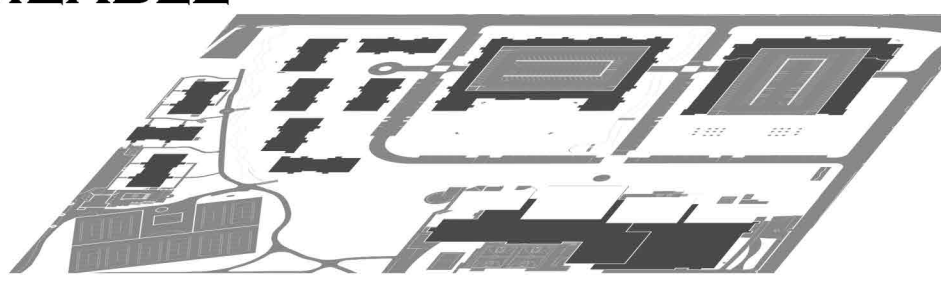
PERMEABLE

INCREASED PERMEABLE SURFACES
51% NOW COVERS
36% OF SITE



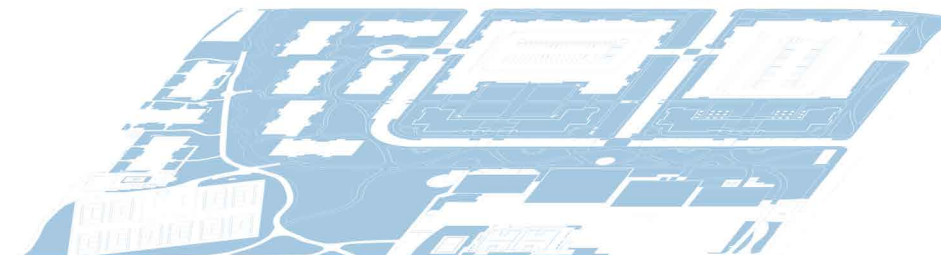
IMPERMEABLE

DECREASED PERMEABLE SURFACES FROM **83%** TO **64%** OF SITE



MITIGATED HEAT

INCREASED HEAT MITIGATING SURFACES
258,426 SQ. FT



HEAT CONTRIBUTION

DECREASED REFLECTIVE HEAT SURFACES **22%** TO **456,886** SQ. FT



RESILIENCY

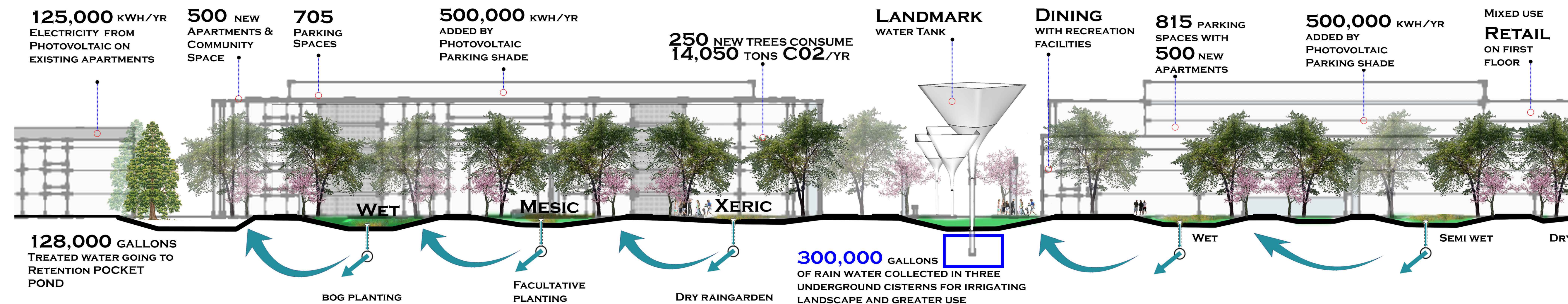
- REDUCE 'HEAT ISLAND' EFFECT
- REDUCE INDOOR ENERGY DEMAND
- NEGATE ACID RAIN EFFECT
- REDUCE STORM WATER VOLUME
- REDUCES CO2 IMPACTS
- MANAGES STORM WATER RUN-OFF
- WATER CONSERVATION
- REDUCTION IN WATER COSTS
- INCREASES INFILTRATION
- REDUCES PEAK FLOW
- IMPROVES WATER QUALITY
- DECREASES THE ENERGY OF MOVING STORM WATER
- MITIGATE DOWNSTREAM FLOODING
- DECREASE STREAM BANK EROSION
- REDUCE STORM WATER RUNOFF
- IMPROVES BIODIVERSITY

VALUE TO CAMPUS



RETENTION POCKET POND

RAIN GARDEN TREATMENT TRAIN SECTION



GREEN INFRASTRUCTURE

BIOSWALE, RETENTION, AND DETENTION PONDS CISTERNS TO COLLECT RAIN WATER AND CONDENSATION FROM HVAC PERMEABLE PARALLEL PARKING SPACES, SIDEWALKS, AND TRAILS. BUILDING ORIENTATION, COURTYARD, EXTENSIVE GREEN ROOFS, AND GREEN WALLS MITIGATE SUMMER HEAT SMART PARKING GARAGE WITH PHOTO-VOLTAIC PANELS ON TOP WITH WHITE ROOF PRODUCE GREEN ENERGY NATIVE PLANTS & TREES IMPROVE ECOLOGICAL CIRCLE ENERGY EFFICIENT SMART SUSTAINABLE BUILDINGS NATIVE DECIDUOUS CANOPY TREES IMPROVE MICRO-CLIMATE