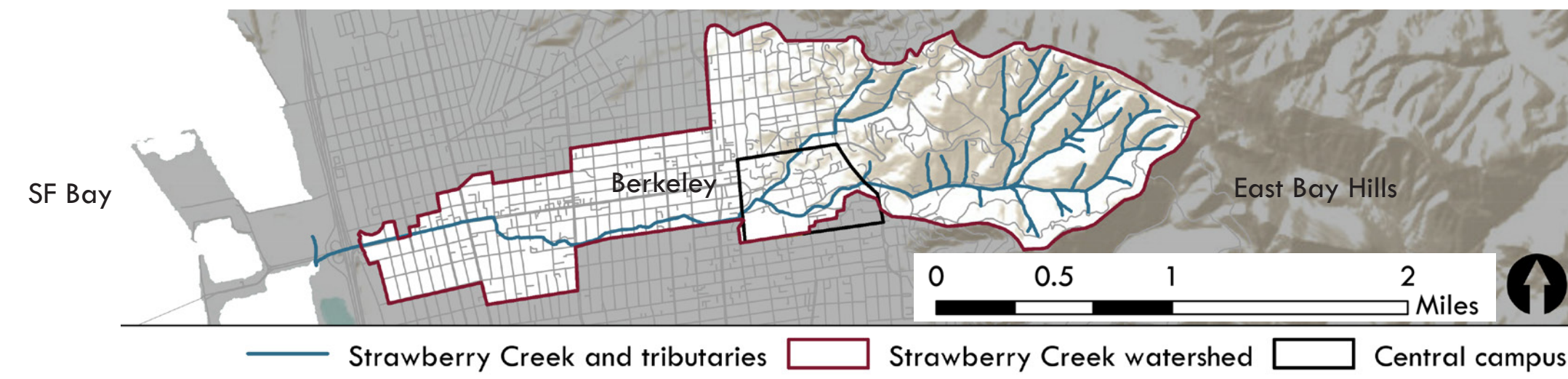


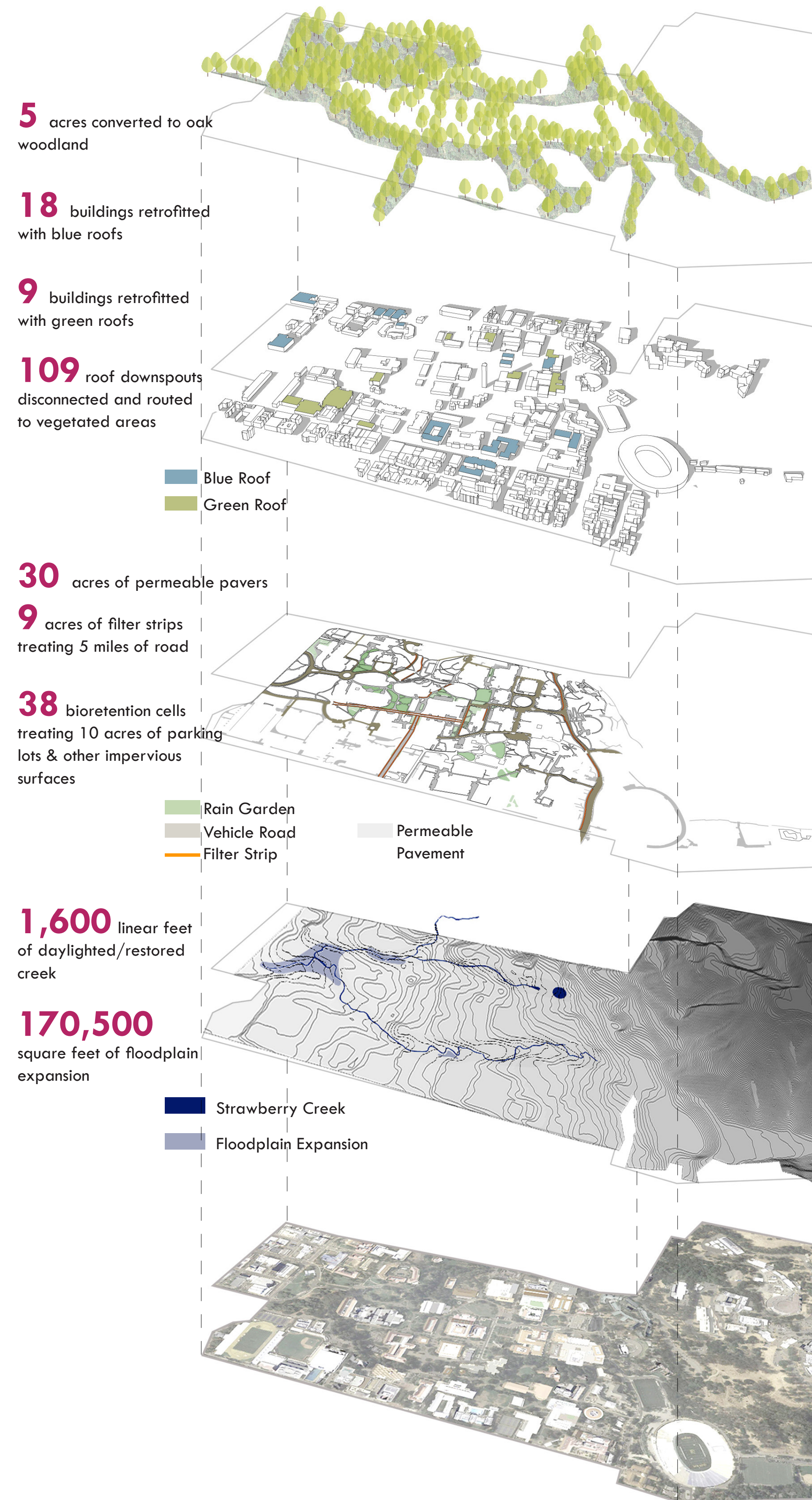
[RE]GENERATIONS

GREEN INFRASTRUCTURE FOR A VIBRANT FUTURE

(Re)Generations is a vision of the UC Berkeley campus that integrates spatial and temporal strategies for green infrastructure to benefit local communities and future generations. Through research, iterative design, and discussions with local professionals and numerous campus administrators, we took advantage of the bounty of information before us to create a rich and coherent proposal. We developed a methodology that harnesses the existing long range master plan and pairs it with a robust analysis of contemporary factors and a comprehensive toolkit of stormwater green infrastructure. The goal was to create a process that could be passed along to campus administrators to aid in future master plan development and quantification of impacts such as runoff reduction and pollutant removal.



Interventions:



Impacts:

Each mature *Quercus Agrifolia* sequesters **186** pounds of carbon and intercepts **4,158** gallons of rainfall per year

2.5 million gallons captured annually

Annual Pollutant removal:
68 lbs metals
482 lbs nitrate
241 lbs total phosphorus
1466 lbs total suspended solids

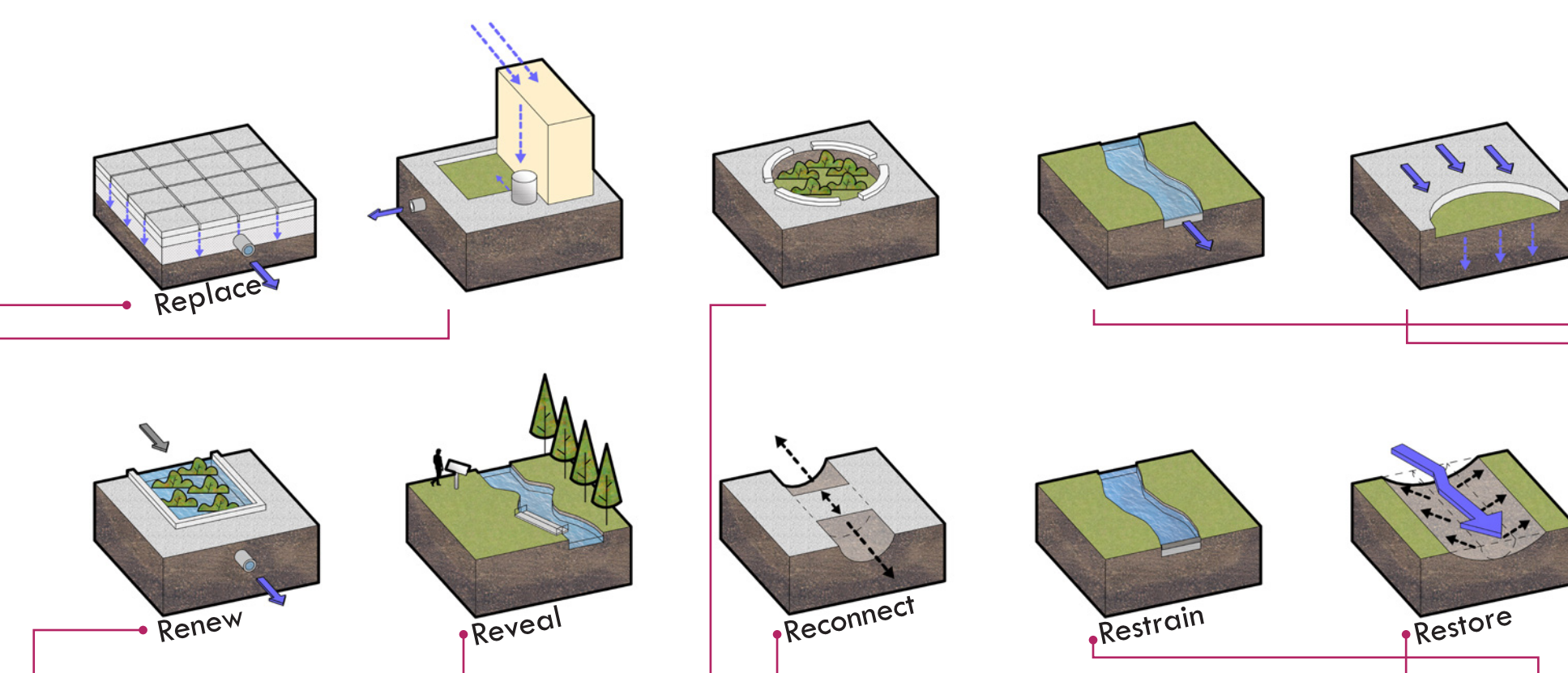
6% peak flow reduction in Strawberry Creek

22.8% reduction in peak flow on campus

Master Plan:



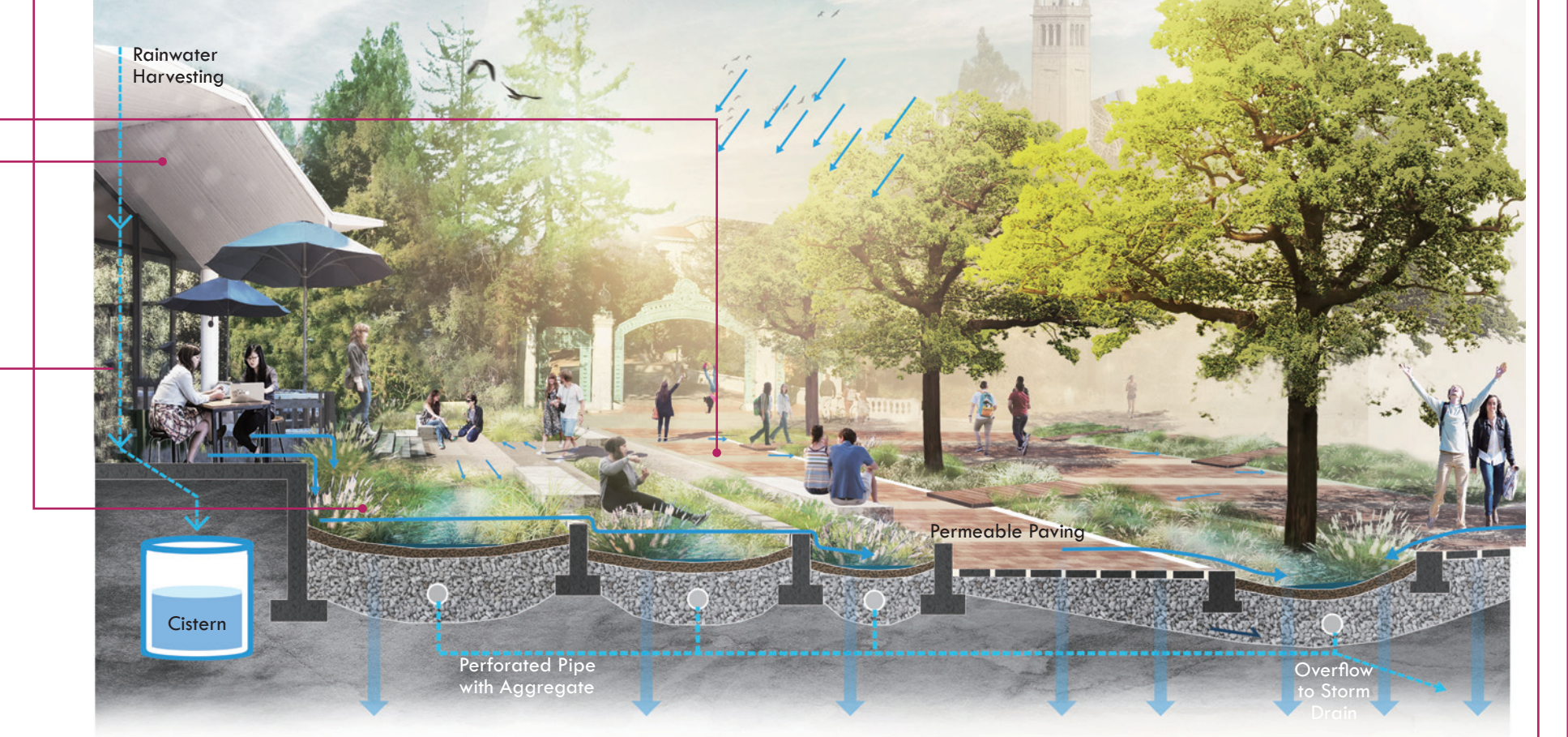
Tactical Toolkit:



Daylit Creek



Rain Gardens



Expanded Floodplain

