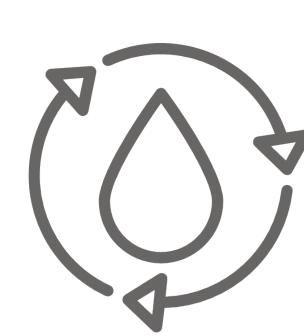
design intent—



bes goals & implementation—



reuse of water & increase pervious surfaces

Reusing the stormwater that reaches the site decreases waste water discharges and reduces and prevents pollution in Baltimore's ecosystem. Recycled water can be used to irrigate landscapes as it can provide an additional source of nutrients and lessen the need to apply synthetic fertilizers.



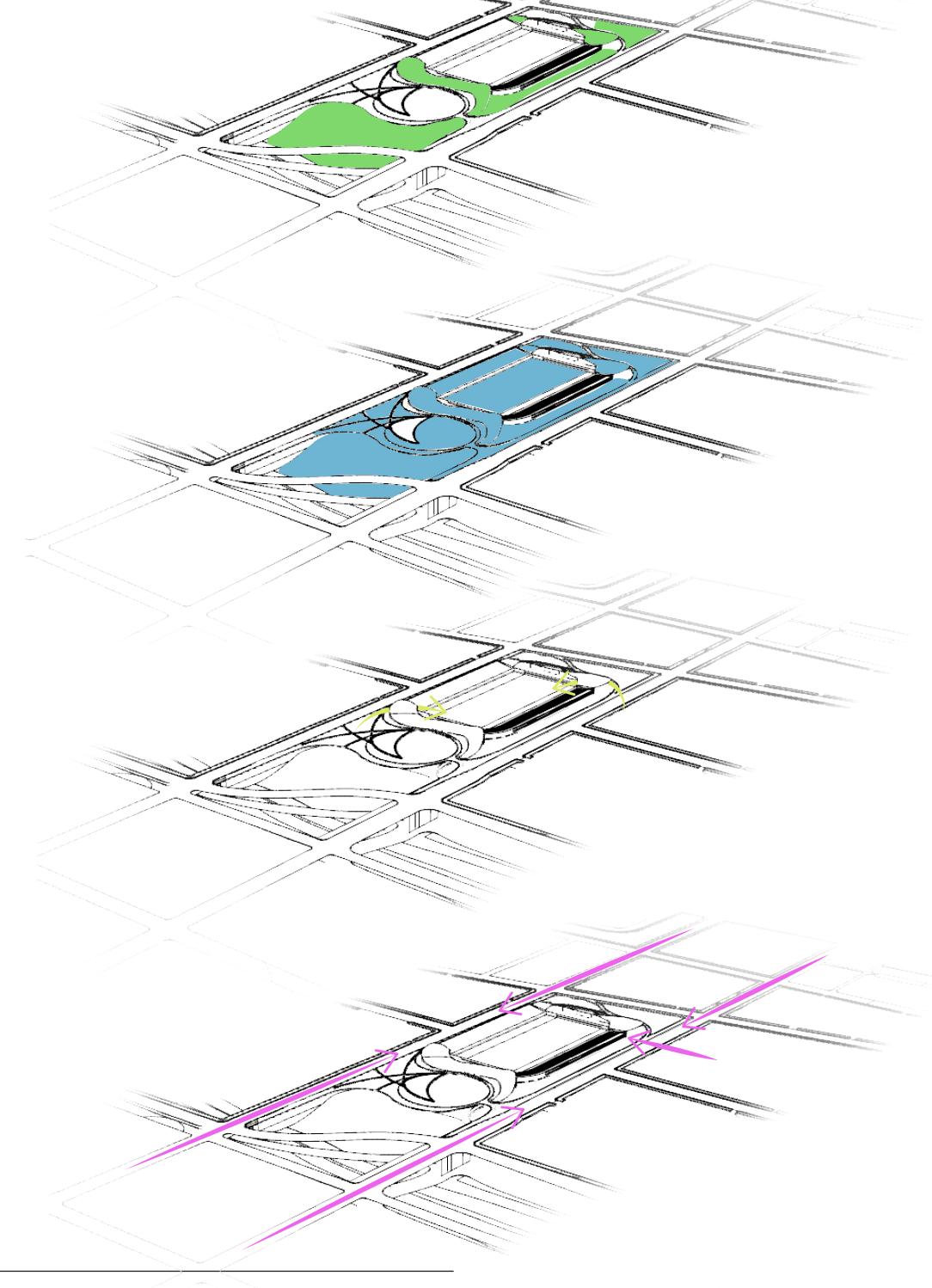
increase canopy coverage

By slowing and intercepting rainfall, increasing groundwater infiltration, taking up nutrients, and transpiring water to the atmosphere, increasing trees can reduce the amount of pollution-carrying stormwater runoff that enters the Chesapeake Bay.



stormwater management

Finding ways to manage the stormwater that enters the site will reduce the amount of runoff, thus lessening the amount of pollutants the runoff would pick up which enters Baltimore's streams, and, eventually, Bay.



vegetative cover

the design includes keeping 66% of the existing vegetative cover and adding street trees and two large green roofs which increase the canopy cover on the site by over 6%.

permeable surfaces

the materials in the design are all meant to reduce runoff and increase infiltration in the site. Thus, the pavement used in the sidewalks and pathways are all made of porous concrete and the field collects the rainwater to be reused as irrigation for the green wall.

entrances into the stadium

the stadium can be entered on both biddle street and chase street. One entrance is directly across the street from St. Frances, and the other entrance can be found at the top of the community space along biddle street.

accessibility

the site is only a five minute walk from Mount Vernon, and other parks located throughout Johnston Square, including Johnston Square Park and Ambrose Kennedy park. As the stadium serves the needs of the St. Frances Academy football team, it is located directly across the street from the school.

-design goals-



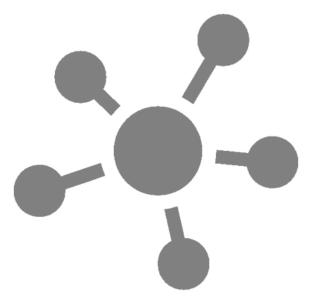
ensure a healthy and sustainable environment

using the guidelines from the baltimore ecosystem study, the design ensures a healthy and sustainable environment for the residents and visitors of johnston square. Increasing biodiversity and reducing runoff are two main ideas that were considered when designing.



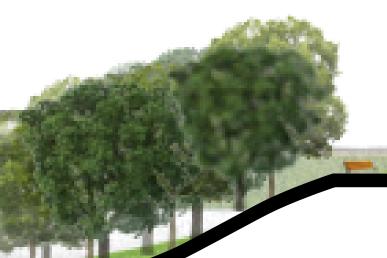
create an iconic football stadium

johnston square is home to the St. Frances panthers, the #3 best football team in the nation. The design hopes to create a stadium that emulates their great power and success.



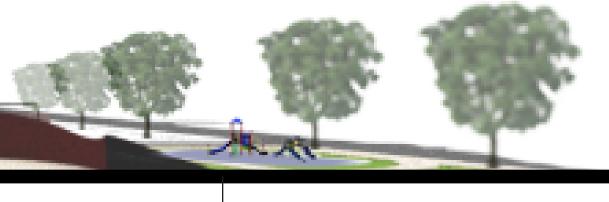
make johnston square a destination

many people will be traveling far and wide to watch the St. Frances Panthers play, thus setting the tone with an exciting space for people to enjoy outside of football will make johnston square a place visitors will want to





CONTROL OF THE SUBJECT OF THE SUBJEC



community space

green roof

football stadium

green roof

playground

