

Indoor-outdoor spaces responds to the routine of a typical school day. A strengthened relationship between indoor and outdoor learning environments inspires curiosity about the natural world. The experiential, visual, and evocative qualities of nature cater to a variety of children's learning styles, and enhance the existing curriculum.

Food systems respond to the school's agricultural context of the site, as well as the awareness that nourished bodies play and learn better.

Forest health management is Water is treated as an in response to the presence interactive feature, celebrated of invasive knotweed and on the site and as it enters the addresses the far-ranging Six Mile Creek watershed. future of the site.

the food, water, and forest systems.

TRANSITIONS

from one state of being to another

from education to play

from outdoors to indoors

from raindrop to waterway

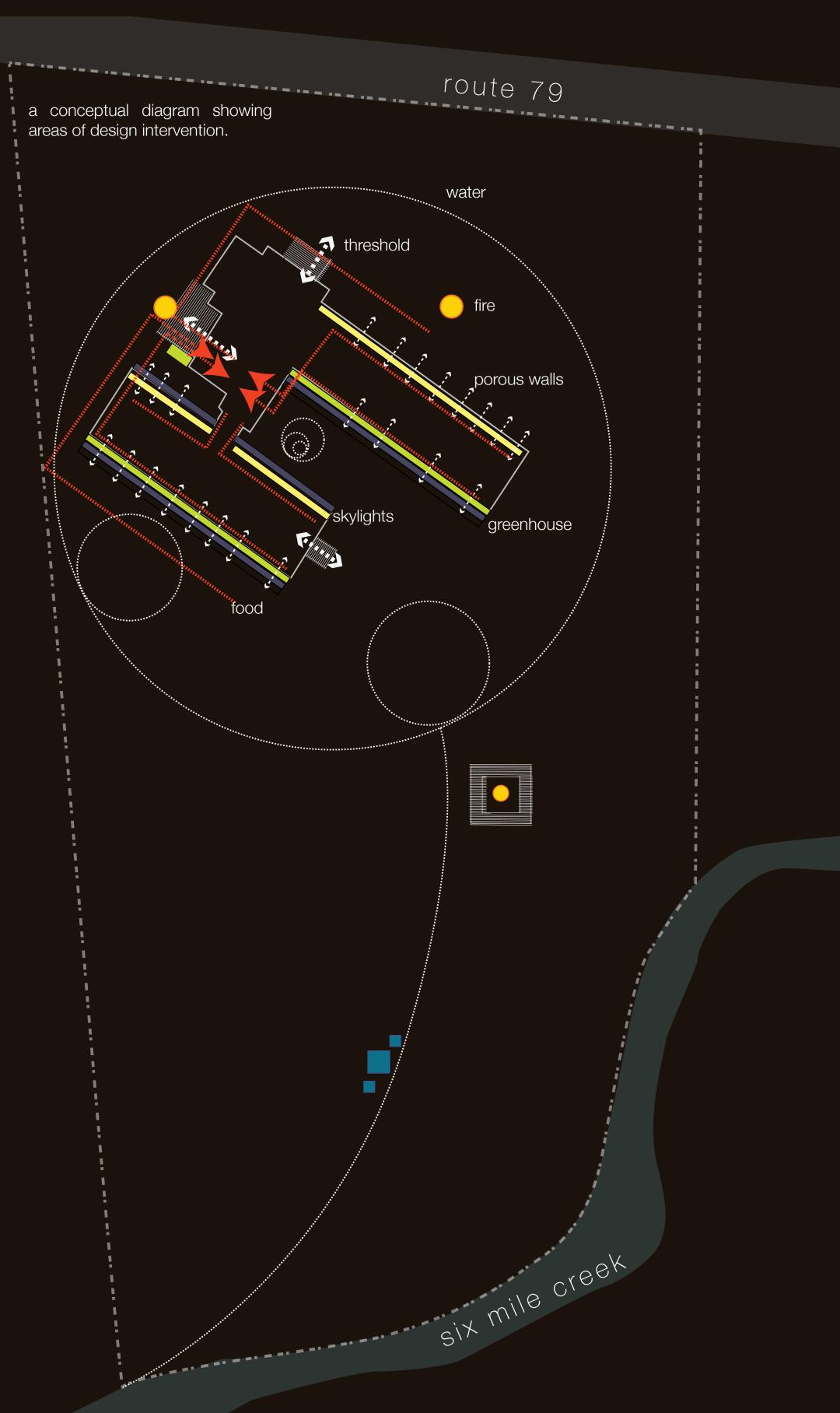
from hard to soft surfaces

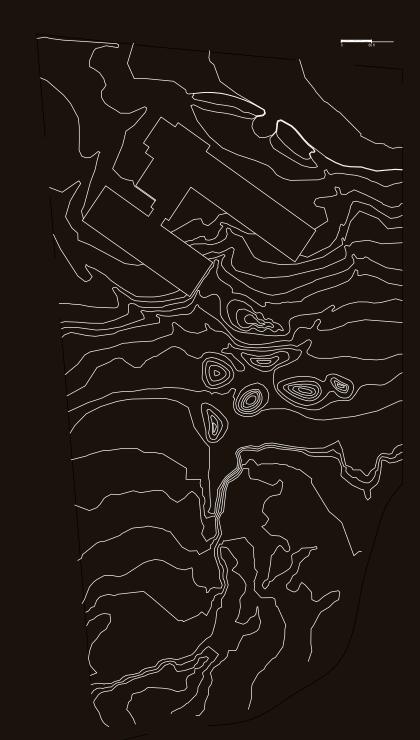
from plant to plate

The concept of transition applies to systems of food and water as well as spatial experiences between the interior and exterior of the school building. This design proposal seeks to soften the edges between spaces, and enhance connections within food and water systems.

ransitiona transformative s temperative

landscape and architectural approach a caroline elementary school, slaterville, ny kate chesebrough . rafael lopez-pegoraro . marilia reis





topographic interventions enhance water flow through the site and provide interactive mounds from the cut and fill process of creating swales.

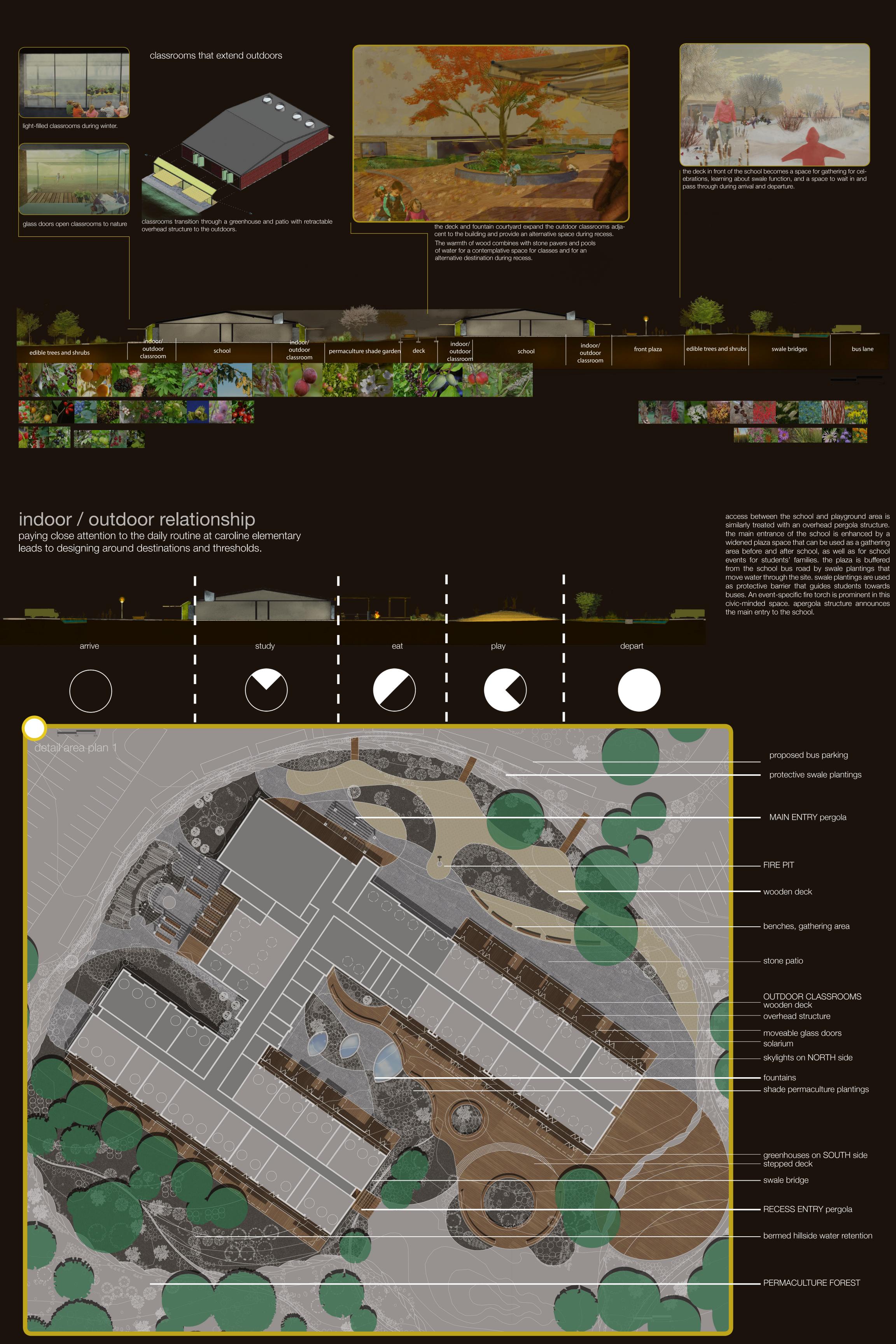


students and educators at caroline elementary are actively engaged with where their food comes from, where water on the site flows, and how their forests are sustained in this design proposal.



proposed plantings are based on providing food and an enhanced swale habitat.





food forest



adults and children work together in an abundant garden.

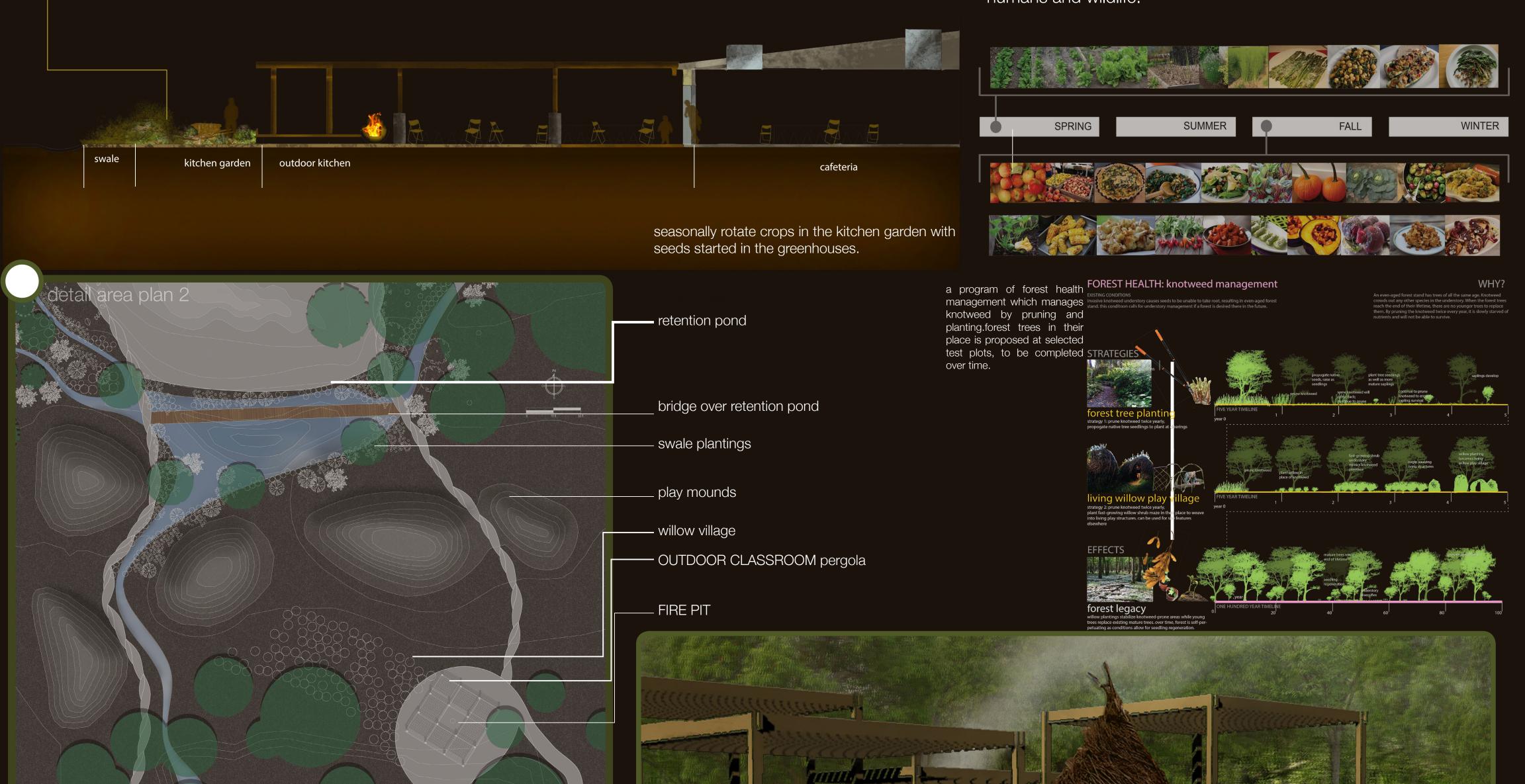
a swale bisects the permaculture forest.

kitchen garden

the kitchen garden provides fresh food for the school cafeteria with crops that are ready for harvest during the spring and summer. a pergola expands the cafeteria to an outdoor dining space with fire grill for cooking.

permaculture forest

layered trees, large and small shrubs, and perennials provide fruit and nuts and create a rich forest tapestry with abundant food for humans and wildlife.



a proposed retention pond with surrounding mounds to enhance the existing playground area. during recess, kids can wander between these mounds and roll or sled down them during the winter. willow plantings are proposed to surround the entrance to the existing outdoor classroom next to the woods. these can be woven into a willow 'village' over time, providing a new space for exploration. a pergola as well as a camp fire pit serves as a transition point between the existing school play grounds and the forest.

a pergola around the outdoor classroom defines the threshold between the play area and the forest.



water-responsive decks

seasonal flooding changes the character of the forest. a series of deck structures invite interaction with water phenomena.

water is treated as an interactive feature of the site in the forest setting, as a system of stepped platforms descend existing slopes and are alternately submerged by water depending on its seasonal and storm event levels.

dragon metaphor

while this design proposal connects the literal elements which are fundamental to life, such as water, food, forest, and fire, the metaphor of the dragon embodies the spirit of this design and incites the imagination for those experiencing the space.

low, normal, and high water levels move the bridge.

