

Solar Powered Bollards

Allows for safe, and illuminated path to emergency hubs in the case of a power outage.

Provides lesson opportunity about alternative forms of energy.



Low-Height, Sensory Driven Plants.

No risk of falling tress in the case of an earthquake, and less risk for root damage.

Lower plants are more tailored to the scale of children, sensory plants (strong smells, edible, colorful) allows for exploration



Street Creek

Allows access to minimally polluted storm water run off.

Children frequently express their desire to play with water.



for classes to comfortably

travel on.

"Street Creek" accesible for children to interact with

system and to define boundaires for on street parking/flex space. Acts as buffer between pedestiran and street.

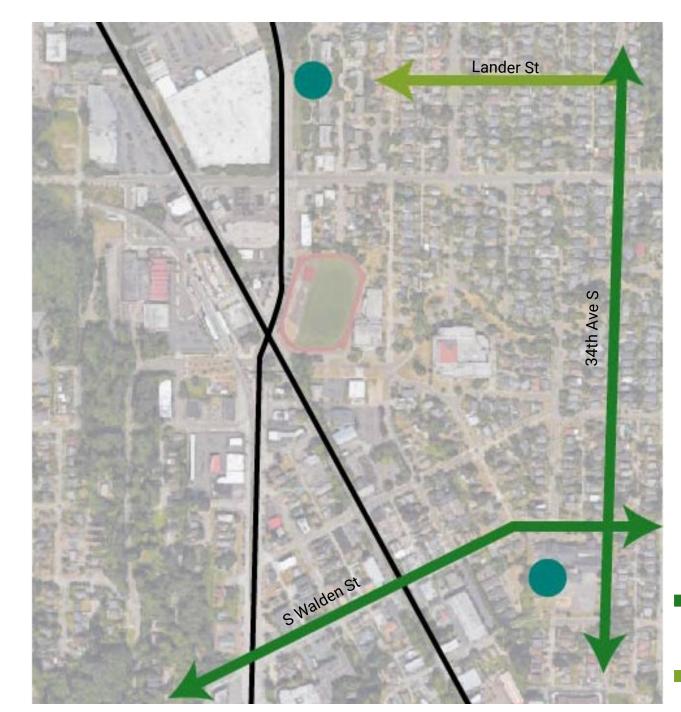
8' Bioswale - support "Street Creek"

18' Travel Lane (2 Way)

8' Bike Lane supporting a quick, and reliable form of transit. Lined with solar powered bollard

Garden Buffer

Proposed Locations



Designated P-Patch and Emergency Hub Currently proposed Neighborhood Connection to Hubs

> Proposed Connection to Hub

Known network of safe streets by distributed information at satelitte hubs

into students every

day life.

More exposure to

nature could result to

higher stewardship of

land in children.

of the classroom for nature based learning at Jonh Muir Elemen tary and Franklin High School. Improvements of safe routes to school.

Creates an extension

After earthquake, provides safe route to emergency hubs

Sustainable Learning Provides learning opportunities for Streets teacher to embed sustainable practices

Creates more sustainabile streets by promoting alternative modes of transportation and solar powered lights

Managable replanting and construction post disaster

Connection to Cheasty Blvd

Street Creek, Atema Architecture, NYC

Street Creeks keeps urban waterways clean by preventing combined sewage overflows (CSOs.)

Street Creeks does this by keeping storm water out of combined sewer systems so they don't get overloaded.

The principle behind Street Creeks is to emulate natural hydrological and ecological systems in urban environments, using a distributed, de-centralized network of curbside channels and water-cleaning bioswales that treat the "first flush" of polluted surface runoff, and allow the remaining cleaner water to rainfall continue downhill



JSH CATCHMENT AND CLEANING SYSTEM

SH" (.15 INCHES) OF STREET RUNOFF CONTAINS THE MAJORITY OF SURFACE JRING A RAIN EVENT.

E DOWNHILL END OF EACH BLOCK THROUGHOUT THE WATERSHED, THIS OFILTER COLLECTS AND CLEANS THE FIRST FLUSH, DIRECTING THE REMAINING RUNOFF DOWNHILL TO THE CREEK.

Bartosh, Lange, Vetrano