THE SITE

LANGLEY URBAN AGRICULTURE PROJECT

COMMON SITE FEATURES

Each option presented for the **Langley Urban Agriculture Demonstration Project** includes common features that are proposed to create a high quality community amenity.

These features create a framework for urban agriculture on the site. They aim to address concerns about the impact of site activity on the neighbourhood while enhancing the ecological integrity of the site and surrounding landscape.

LEGEND

- Parking and Site Entry
- Buffer Planting
- Pollinator Corridor
- Habitat Areas
- Primary Vehicle Access (at 200 St.)
- Emergency Vehicle Access
- Existing Site Access Points
- Existing Main Path
- Existing Paths
- Proposed Paths
- Existing Transmission Towers

BUFFER PLANTINGS

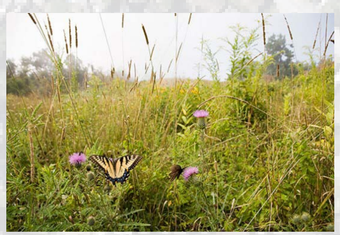
BUFFER PLANTINGS have a specific function on this site and are proposed to create a buffer between site activity and surrounding residents. They also help to rehabilitate areas where urban agriculture may not be possible, and to provide buffers around hydro towers and other utility works.
They also have the potential to enhance biodiversity on the site, provide habitat and integrate edible plants to enhance the food production potential of the site.

PARKING & SITE ENTRY

To facilitate amenity use one area of the site will be made available for parking near the 200 St. entry point. This **PARKING** area will be designed to accommodate between 10 – 15 private vehicles and be designed with a permeable surface to limit run off.
The **SITE ENTRY** will also be designed to be welcoming and communicate a unique identity of the site as an urban agriculture amenity and highlight the points of interest throughout the site.

HABITAT AREAS

HABITAT AREAS have been proposed to create greater connectivity with existing greenways and natural features that surround the site, to enhance biodiversity and to manage invasive species on the site. This will include a creek restoration area adjacent to Muckle Creek, meadow landscapes, and native planting areas.

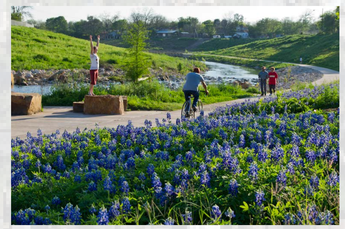


POLLINATOR GARDEN CORRIDOR

POLLINATOR GARDENS are landscapes specifically designed to attract wild pollinators (bees, butterflies etc.) by providing food and habitat areas. They include flowering and fragrant plants and are often designed to naturalized meadows and hedgerows. It is also common for **POLLINATOR GARDENS** to include plants that are native to the surrounding area.

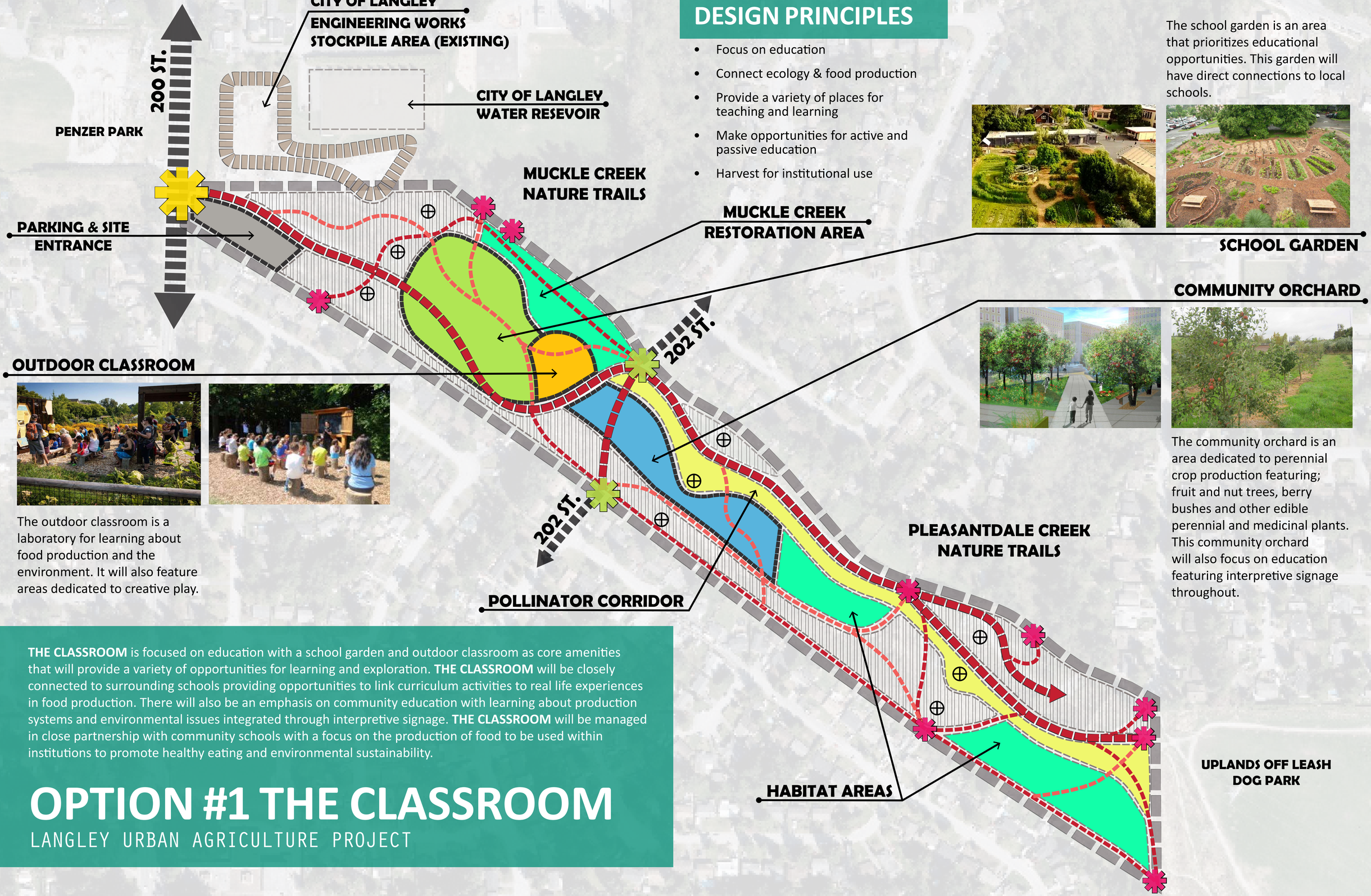
PATHWAYS AND CIRCULATION

As this site is well used by surrounding neighbours and community members an important part of the design is to maintain and enhance circulation on the site. All existing **PATHWAYS** will be maintained, and in some cases resurfaced to facilitate year round use. Additionally, paths will be added to create connections between amenities and a better sense of connection across the site. Most **PATHWAYS** will be designed to accommodate pedestrians with some accessible to cyclists as well.



SIGNAGE

SIGNAGE is also an important feature of the site and will be integrated to facilitate use, create educational opportunities, and to create a distinct identity for the site as an urban agriculture amenity. This is particularly important in describing the intent and function of urban agriculture amenities and to educate people about these unique features.



DESIGN PRINCIPLES

- Focus on education
- Connect ecology & food production
- Provide a variety of places for teaching and learning
- Make opportunities for active and passive education
- Harvest for institutional use

The outdoor classroom is a laboratory for learning about food production and the environment. It will also feature areas dedicated to creative play.

The school garden is an area that prioritizes educational opportunities. This garden will have direct connections to local schools.

The community orchard is an area dedicated to perennial crop production featuring; fruit and nut trees, berry bushes and other edible perennial and medicinal plants. This community orchard will also focus on education featuring interpretive signage throughout.

THE CLASSROOM is focused on education with a school garden and outdoor classroom as core amenities that will provide a variety of opportunities for learning and exploration. **THE CLASSROOM** will be closely connected to surrounding schools providing opportunities to link curriculum activities to real life experiences in food production. There will also be an emphasis on community education with learning about production systems and environmental issues integrated through interpretive signage. **THE CLASSROOM** will be managed in close partnership with community schools with a focus on the production of food to be used within institutions to promote healthy eating and environmental sustainability.

OPTION #1 THE CLASSROOM

LANGLEY URBAN AGRICULTURE PROJECT

OPTION #2 THE ORCHARD

LANGLEY URBAN AGRICULTURE PROJECT

THE ORCHARD is designed to be a perennial food producing landscape that is seamlessly integrated with community use and habitat creation. **THE ORCHARD** features three distinct community production areas including a fruit trees orchard, berry patch, and a food forest. These three areas are connected to naturalized areas on the site and intertwined with new and existing pathways. The perennial landscape is designed to be productive while also enhancing the atmosphere and quality of the space as a community amenity. There will also be opportunities for passive education through the use of educational signage.

DESIGN PRINCIPLES

- Focus on perennial food production
- Encourage water retention and infiltration
- Integrate areas for production and passive recreation
- Create distinct cropping areas
- Harvest for community use

The fruit tree orchard will feature specific varieties of fruit trees that can thrive in the climatic conditions and within the constraints of the site. The design will encourage community cultivation and create a beautiful landscape to be enjoyed by the community.

The berry patch is perennial landscape focused on the production of berries including native and introduced varieties. The berry patch will be designed to encourage community cultivation and education.

BERRY PATCH

FOOD FOREST

The food forest is a perennial landscape of edible and medicinal plants. It is intended to mimic natural forest ecosystems to create a sustainable landscape, increase biodiversity and provide opportunities for food production. The food forest will include a variety of trees, shrubs, herbs and flowering plants.

DESIGN PRINCIPLES

- Expand production potential
- Explore a variety of food production models
- Focus on “human scale” agriculture
- Promote ecologically sound agriculture
- Produce food that aligns with community preference
- Harvest for community and institutional use

CITY OF LANGLEY
ENGINEERING WORKS
STOCKPILE AREA (EXISTING)

CITY OF LANGLEY
WATER RESEVOIR

200 ST.

PENZER PARK

MUCKLE CREEK
NATURE TRAILS

PARKING & SITE
ENTRANCE

MUCKLE CREEK
RESTORATION AREA

202 ST.

COMMUNITY FARM

The community farm connects the community to agriculture. With perennial and annual crops, and a variety of production systems this farm will focus on human scale agriculture using ecologically sound methods.

202 ST.

POLLINATOR CORRIDOR

PLEASANTDALE CREEK
NATURE TRAILS

HABITAT AREA

UPLANDS OFF LEASH
DOG PARK

The community orchard is an area dedicated to perennial crop production featuring; fruit and nut trees, berry bushes and other edible perennial and medicinal plants.

COMMUNITY ORCHARD

BEEHIVES

The beehives will be a concentrated area for the production of honey and education about pollinator health. This will be closely connected to the community farm, orchard and pollinator corridor.

THE FARM is a concept that seeks to maximize the potential for food production on the site while maintaining current uses and limiting impacts on the surrounding neighbourhood. Production will focus on human scale agriculture and feature both perennial and annual cropping systems. **THE FARM** will aim to integrate community use of the site with production and environmental restoration. This landscape will mimic small scale farming systems and be managed through community cooperation and the central coordination of a urban agriculture society in the City of Langley.

OPTION #3 THE FARM

LANGLEY URBAN AGRICULTURE PROJECT