

PADDOCK PARK- EXISTING CONDITIONS

Official plan:

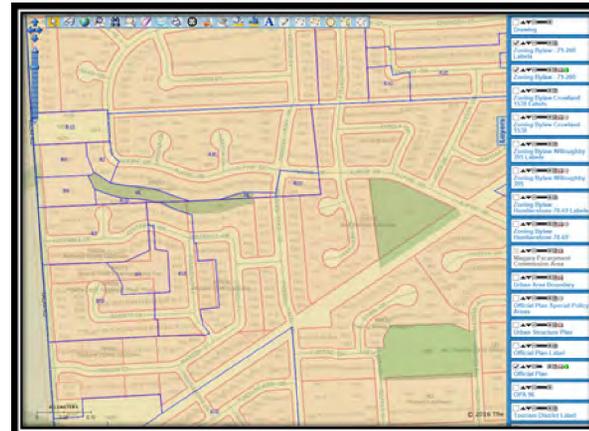
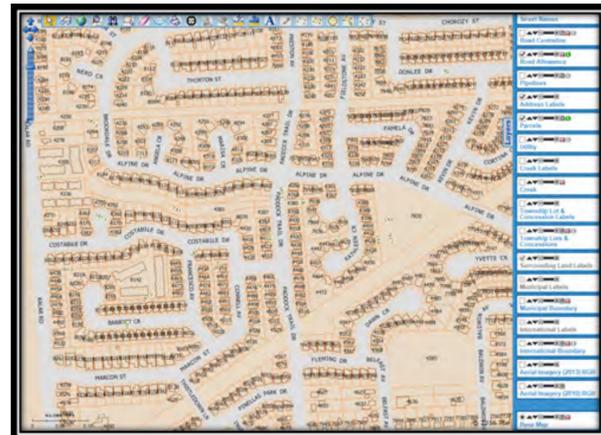
“The city shall promote the function of valley lands or stream corridors as natural resource linkages and encourage the protection, naturalization and, wherever possible, the rehabilitation of valley lands or stream corridors in accordance with the Niagara Peninsula Conservation Authority’s Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses (Ontario Regulation 155/06)”

Woodland Management Plan:

The area is one of the top 10 priority areas outlined in the city of Niagara Falls’s Woodland Management Plan

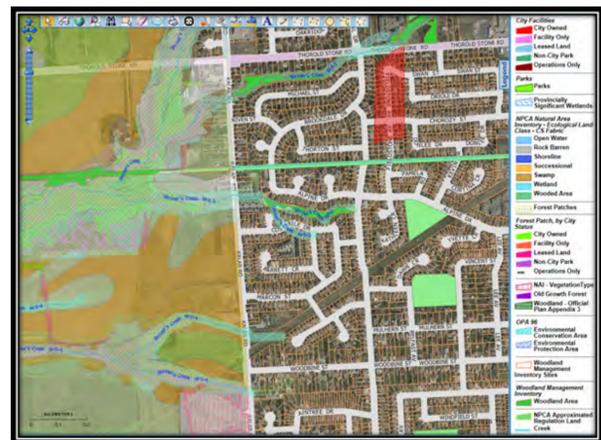


SOCIAL CONTEXT



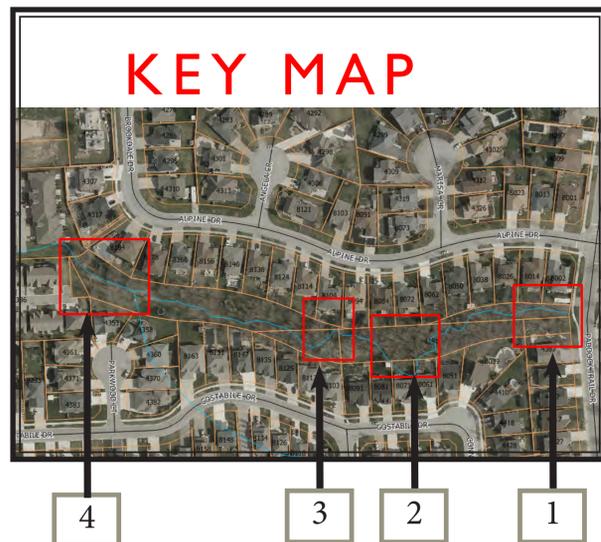
- 37 properties that back on to Paddock Park
- The park drains east to west and collects water from backyards
- Is currently and should continue to be used as a water collection point to help recharge the stream and allow for infiltration
- The majority of Paddock Park is classified as a Hazard Land zone according to Niagara Falls

ENVIRONMENTAL CONTEXT



- Designated as a city owned forest patch and park
- Part of NPCA’s approximated regulation land
- Environmental conservation area
- Shriners Creek W-5-3 runs through the area
- Tributary to Shriners Creek which runs into agricultural fields, woodland, successional and wetland areas

SITE CONTEXT



1. Origin of the Stream



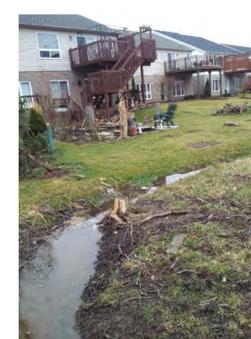
2. Proximity & Pooling



3. Slope & Blockages



4. Exiting the Park



PADDOCK PARK- FOREST ECOSYSTEM RESTORATION

GOAL:

To recreate a woodland ecosystem that will be naturalized and rely on natural ecological succession to evolve and grow.

OUTCOMES:

Buffer zone (width varies)
Sensitive landscape patch
External pressures
BUFFER

NATURE CONNECTION

water quality
WATER PROTECTION

ANIMAL HABITAT

PROCESS

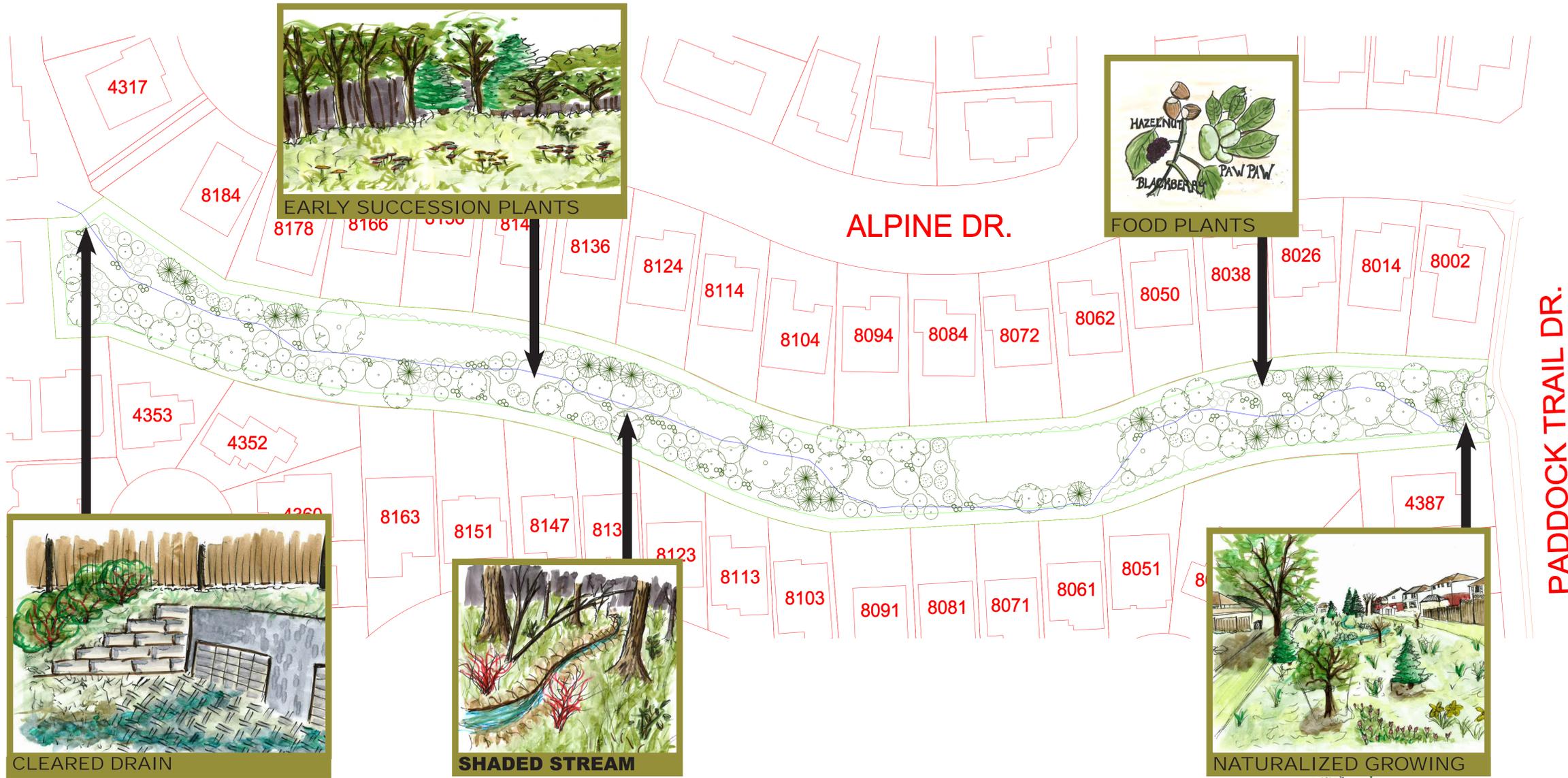
PUBLIC CONSULTATION

DETAILED PLAN

PLANTING

NATURAL SUCCESSION

MAINTAINED BUFFER (monitoring ongoing)



NATURAL SUCCESSION

- 1 Bare Rock
- 2 Mosses Grasses
- 3 Grasses Perennials
- 4 Woody Pioneers
- 5 Fast Growing Trees
- 6 Climax Forest



PADDOCK PARK- CONCEPT AND PLANTS



Trees		
Juniperus virginiana	Red Cedar	Pioneer species, native
Alnus	Alder	Pioneer species
Pinus strobus	White pine	Native, winter screen
Acer saccharinum	Silver Maple	Previously on site, likes wet ground
Liriodendron tulipifera	Yellow poplar	Pioneer species, native
Populus tremuloides	Trembling aspen	Pioneer species, native
Carya ovata	Shagbark hickory	Pioneer species, likes wet ground
Celtis occidentalis	Hackberry	Pioneer species, likes wet ground
Platanus occidentalis	Sycamore	Pioneer species, likes wet ground
Quercus bicolor	Swamp White Oak	likes wet ground, long lived, wildlife
Quercus palustris	Pin Oak	likes wet ground, long lived, wildlife

Shrubs		
Cornus	Gray Dogwood	Previously on site
Cornus alternifolia	Alternate leaf Dogwood	Native
Cornus florida	Flowering Dogwood	Provincial species of interest
Cornus stolonifera	Red Oiser Dogwood	Native
Rhus Typhina	Sumac	Previously on site, Pioneer species
Rubus allegheniensis	Alleghany blackberry	Native, birds, tasty
Rubus odoratus	Flowering Raspberry	Native, birds
Sambucus canadensis	Common Elderberry	Native, fruit producing, wildlife
Amelanchier alnifolia	Saskatoon Berry	Native, fruit producing, wildlife

Herbaceous		
Solidago	Golden Rod	Previously on site, pollinators
Asclepias incarnata	Swamp Milkweed	Attracts monarchs Butterfly's
Asclepias syriaca	Common milkweed	Attracts Monarch Butterfly's
Smilax roundifolia	Roundleaf Greenbrier	Provincially significant
Ratibida pinnata	Yellow cone flower	Native, full sun, Aesthetes
Asclepias tuberosa	Butterfly Weed	Native, sun, Butterfly's
Aster sp.	New England & Heath Aster	Sun, Native, insects, Aesthetics
Campanula rotundifolium	Bluebells	Native, Aesthetics

Grasses		
Andropogon gerardii	Big bluestem	Native, sun loving, good roots
Panicum virgatum	Switch Grass	Native, likes wet to moist
Elymus canadensis	Canada wild Rye	Native



COMMON ELDERBERRY



WHITE PINE



TULIP TREE



RED OISER DOGWOOD



EASTERN REDBUD



SWAMP MILKWEED



BIG BLUESTEM