

Site Address: 76 Lamberts Lane, Cohasset
Prepared for: Dr. Michael Marchetti
Prepared by: Kara Lam, MA Registered Landscape Architect (RLA), License No. 4249
Date: November 12, 2020

Re: Garden and Play Area

GENERAL REQUIREMENTS:

The plants for 76 Lamberts Lane are limited to the approved 'Principal Native Plant Species: South Shore' plant list provided by the Cohasset Conservation Commission office.

10/8/20 Conservation Commission Hearing suggested trees to be selected from 'Principal Native Plant Species South Shore' plant list.

10/22/20 Conservation Commission Hearing suggested the trees are to be similar in species to the existing trees within the adjacent wetland buffer zone.

Please refer to Sitec (Civil) drawings for wetland delineation, stormwater mitigation and drainage calculations.

PLANT SELECTION WITHIN 50'-100' WETLAND BUFFER:

The proposed plants within the 50'-100' buffer zones were chosen to replace the trees cleared.

TREES:

- Acer rubrum (Red Maple)
- Cercis canadensis (Eastern Red Bud)
- Juniperus virginiana (Eastern Red Cedar)
- Pinus rigida (Pitch Pine)
- Pinus strobus (Eastern White Pine)
- Quercus velutina (Black Oak)

TREE PLACEMENT: Three rows of trees will be planted in a triangulated planting pattern, lining the Western edge of the Wildlife Easement. The inner row closest to the easement will consist of Eastern White Pines and Pitch Pines. The middle row will consist of Red Maples and Black Oaks. The outer row closest to the residence will consist of Eastern Red Cedar and Eastern Red Bud. A total of 57 trees will be planted, 43 trees of which will be planted within the 50'-100' buffer zone.

SHRUBS:

- Cornus alternifolia (Alternate Leaf Dogwood)
- Ilex verticillata (Winterberry)
- Myrica pensylvanica (Bayberry)
- Vaccinium angustifolium (Lowbush Blueberry)

SHRUB PLACEMENT: Three rows of shrubs will populate the understory of the tree canopy. The inner row under the Pines will consist of Winterberry. The center row under the deciduous trees will consist of Lowbush Blueberries. Bayberries will be used as hedging around the generator unit and solar areas. A total of 58 shrubs will be planted, 28 of which will be planted within the 50'-100' buffer zone.

GROUNDCOVER PERENNIALS:

New England Conservation / Wildlife Mix (NEWP Seed Mix)

Elymus virginicus	Virginia Wild Rye
Schizachyrium scoparium	Little Bluestem
Andropogon gerardii	Big Bluestem
Festuca rubra	Red Fescue
Sorghastrum nutans	Indian Grass
Panicum virgatum	Switch Grass
Chamaecrista fasciculata	Partridge Pea
Desmodium canadense	Showy Tick Trefoil
Asclepias tuberosa	Butterfly Milkweed
Bidens frondosa	Beggar Ticks
Eupatorium purpureum	Purple Joe Pye Weed
Rudbeckia hirta	Black Eyed Susan
Symphotrichum pilosum	Heath (or Hairy) Aster
Solidago juncea	Early Goldenrod

GROUNDCOVER PERENNIALS: New England Conservation / Wildlife Mix (Seed Mix) will be used as ground cover for 6,450 SF. Please see NEWP Seed Mix Specification Sheet for additional details.

PLANT SOURCE:

All plants will be sourced from New England Wetland Plants, Inc. (NEWP) located in Amherst, MA.

ADDITIONAL COMMENTS:

Organic compost and mulch, free of dyes and chemicals, will be used as a growing medium for all trees, shrubs, and perennials seed mix.

SPORTS COURT, GARDEN & PLAY AREA:

SPORTS COURT:

The sports court is proposed on the NE side of the property that had been disturbed by previous construction from the solar panel installation.

The sports court will consist of:

- 60' Width x 120' Length - Sports Court (Combination Tennis Court and Basketball Half Court)
- Sports Court Fence - 10 ft height, Azek Lattice, color Verde (deep forest green)
- Sports Lighting by LIS Industries, (4) LED Court Blade Lights within accepted guidelines.

VEGETABLE GARDEN:

A timber framed, raised bed vegetable garden with permeable bark mulch between the beds, is proposed on the NE corner of the property adjacent to the existing solar panels. The garden will have 500 SF of area within the 100' Wetland Buffer Zone. The entire garden will consist of natural and permeable materials.

The garden will consist of:

- Vegetable Garden - Wood timber raised beds
- Vegetable Garden Fence - 4 ft height, Azek Nantucket Picket, color Verde
- Bark mulch or wood chips between beds

CHILDREN'S PLAYSET AREA:

A children's playset is proposed within the 100' Wetland Buffer Zone. The playset will take up 1,000 SF of area within the 100' Wetland Buffer Zone. The playset is 17' x 20' with a required 6' safety perimeter that will sit on permeable, bark mulch.

The playset brand is:

- Childrens Playset by Creative Playthings, Lexington Premium Pack 8

LANDSCAPE PLAN & DIAGRAM:

Please see the attached planting plan spatial layout, quantities, and sizes.

Please see the attached tree removal and replanting diagram for the location of tree clearing, program areas and replanting areas.

- Total cleared and tree removal areas: 8,430 SF
- Total program areas (Court, Play Set, Garden): 5,209 SF
- Total replanting areas: 6,077 SF

NEW ENGLAND WETLAND PLANTS, INC

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New England Conservation/Wildlife Mix

Botanical Name	Common Name	Indicator
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Desmodium canadense</i>	Showy Tick Trefoil	FAC
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eupatorium purpureum (Eutrochium maculatum)</i>	Purple Joe Pye Weed	FAC
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU-
<i>Aster pilosus (Symphyotrichum pilosum)</i>	Heath (or Hairy) Aster	UPL
<i>Solidago juncea</i>	Early Goldenrod	

PRICE PER LB. \$39.50 MIN. QUANTITY 2 LBS. **TOTAL:** \$79.00

APPLY: 25 LBS/ACRE :1750 sq ft/lb

The New England Conservation/Wildlife Mix provides a permanent cover of grasses, wildflowers, and legumes for both good erosion control and wildlife habitat value. The mix is designed to be a no maintenance seeding, and is appropriate for cut and fill slopes, detention basin side slopes, and disturbed areas adjacent to commercial and residential projects.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.