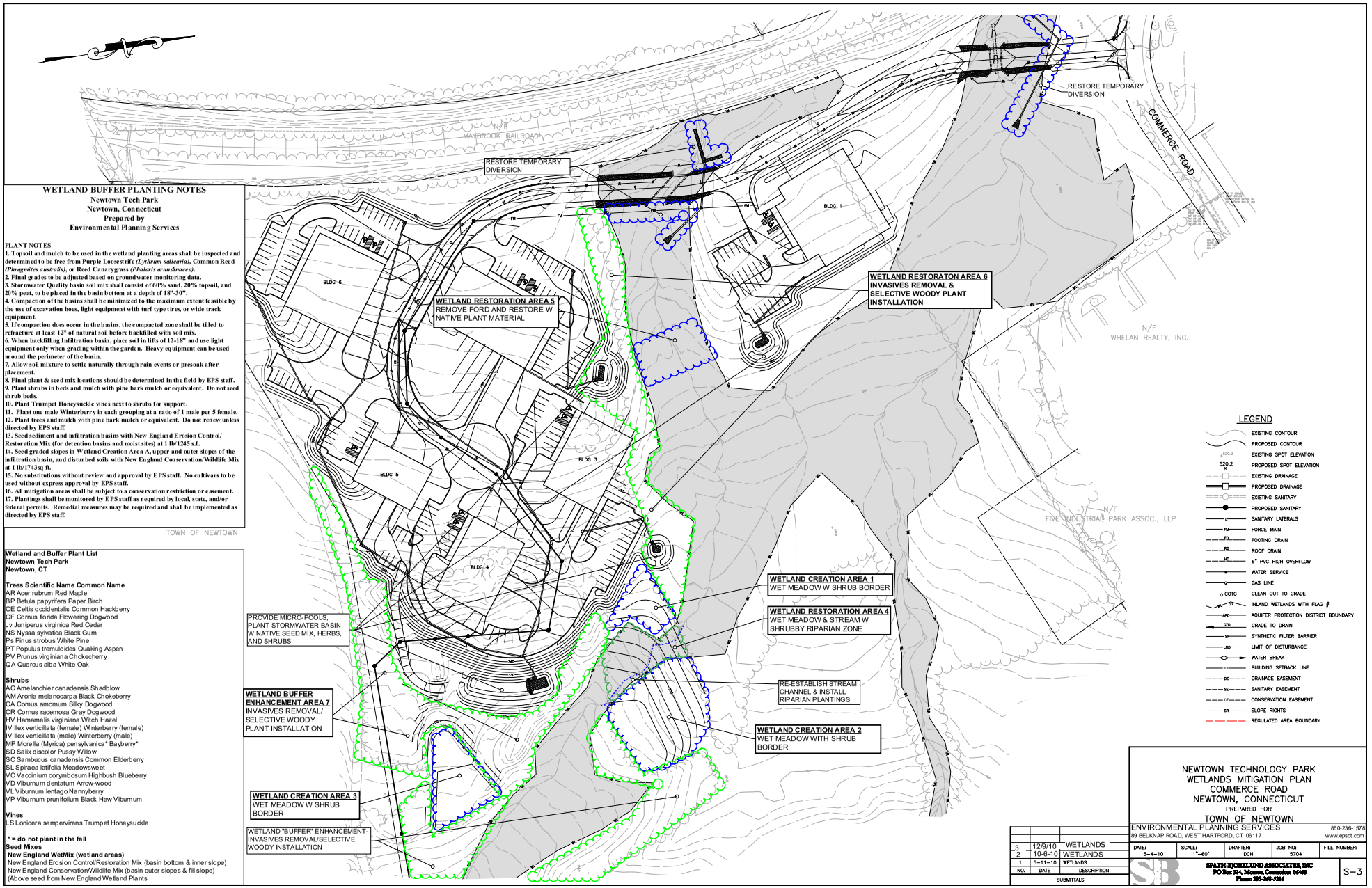

WETLAND BUFFER PLANTING NOTES

Newtown Tech Park
Newtown, Connecticut
Prepared by
Environmental Planning Services

PLANT NOTES

1. Topsoil and mulch to be used in the wetland planting areas shall be inspected and determined to be free from Purple Loosestrife *(Lythrum salicaria)*, Common Reed *(Phragmites australis)*, or Reed Canarygrass *(Phalaris arundinacea)*.
2. Final grades to be adjusted based on groundwater monitoring data.
3. Stormwater Quality basin soil mix shall consist of 60% sand, 20% topsoil, and 20% peat, to be placed in the basin bottom at a depth of 18"-30".
4. Compaction of the basins shall be minimized to the maximum extent feasible by the use of excavation hoes, light equipment with turf type tires, or wide track equipment.
5. If compaction does occur in the basins, the compacted zone shall be tilled to refracture at least 12" of natural soil before backfilled with soil mix.
6. When backfilling Infiltration basin, place soil in lifts of 12-18" and use light equipment only when grading within the garden. Heavy equipment can be used around the perimeter of the basin.
7. Allow soil mixture to settle naturally through rain events or presoak after placement.
8. Final plant & seed mix locations should be determined in the field by EPS staff.
9. Plant shrubs in beds and mulch with pine bark mulch or equivalent. Do not seed shrub beds.
10. Plant Trumpet Honeysuckle vines next to shrubs for support.
11. Plant one male Winterberry in each grouping at a ratio of 1 male per 5 female.
12. Plant trees and mulch with pine bark mulch or equivalent. Do not renew unless directed by EPS staff.
13. Seed sediment and infiltration basins with New England Erosion Control/ Restoration Mix (for detention basins and moist sites) at 1 lb/1245 s.f.
14. Seed graded slopes in Wetland Creation Area A, upper and outer slopes of the infiltration basin, and disturbed soils with New England Conservation/Wildlife Mix at 1 lb/1743sq ft.
15. No substitutions without review and approval by EPS staff. No cultivars to be used without express approval by EPS staff.
16. All mitigation areas shall be subject to a conservation restriction or easement.
17. Plantings shall be monitored by EPS staff as required by local, state, and/or federal permits. Remedial measures may be required and shall be implemented as directed by EPS staff.

TOWN OF NEWTOWN

Wetland and Buffer Plant List
Newtown Tech Park
Newtown, CT

Trees Scientific Name Common Name
AR Acer rubrum Red Maple
BP Betula papyrifera Paper Birch
CE Celtis occidentalis Common Hackberry
CF Cornus florida Flowering Dogwood
Jv Juniperus virginica Red Cedar
NS Nyssa sylvatica Black Gum
Ps Pinus strobus White Pine
PT Populus tremuloides Quaking Aspen
PV Prunus virginiana Chokecherry
QA Quercus alba White Oak

Shrubs
AC Amelanchier canadensis Shadblow
AM Aronia melanocarpa Black Chokeberry
CA Cornus amomum Silky Dogwood
CR Cornus racemosa Gray Dogwood
HV Hamamelis virginiana Witch Hazel
IV Ilex verticillata (female) Winterberry (female)
IV Ilex verticillata (male) Winterberry (male)
MP Morella (Myrica) pensylvanica* Bayberry*
SD Salix discolor Pussy Willow
SC Sambucus canadensis Common Elderberry
SL Spiraea latifolia Meadowsweet
VC Vaccinium corymbosum Highbush Blueberry
VD Viburnum dentatum Arrow-wood
VL Viburnum lentago Nannyberry
VP Viburnum prunifolium Black Haw Viburnum

Vines
LS Lonicera sempervirens Trumpet Honeysuckle

*** = do not plant in the fall**
Seed Mixes
New England WetMix (wetland areas)
New England Erosion Control/Restoration Mix (basin bottom & inner slope)
New England Conservation/Wildlife Mix (basin outer slopes & fill slope)
(Above seed from New England Wetland Plants

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- SANITARY LATERALS
- FORCE MAIN
- FOOTING DRAIN
- ROOF DRAIN
- 6" PVC HIGH OVERFLOW
- WATER SERVICE
- GAS LINE
- CLEAN OUT TO GRADE
- INLAND WETLANDS WITH FLAG #
- AQUIFER PROTECTION DISTRICT BOUNDARY
- GRADE TO DRAIN
- SYNTHETIC FILTER BARRIER
- LIMIT OF DISTURBANCE
- WATER BREAK
- BUILDING SETBACK LINE
- DRAINAGE EASEMENT
- SANITARY EASEMENT
- CONSERVATION EASEMENT
- SLOPE RIGHTS
- REGULATED AREA BOUNDARY

NO.	DATE	DESCRIPTION
3	12/9/10	WETLANDS
2	10-6-10	WETLANDS
1	5-11-10	WETLANDS

SUBMITTALS

NEWTOWN TECHNOLOGY PARK
WETLANDS MITIGATION PLAN
COMMERCE ROAD
NEWTOWN, CONNECTICUT

PREPARED FOR
TOWN OF NEWTOWN

ENVIRONMENTAL PLANNING SERVICES 860-236-1578
89 BELKNAP ROAD, WEST HARTFORD, CT 06117 www.epsct.com

DATE:	SCALE:	DRAFTER:	JOB NO:	FILE NUMBER:
5-4-10	1"=60'	DCH	5704	

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