

## **NEW ENGLAND WETLAND PLANTS, INC** 820 WEST STREET, AMHERST, MA 01002 PHONE: 413-548-8000 FAX 413-549-4000 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM May England Motmix (Motland Seed Mix)

New England Wetlink (Wetland Seed WIK)			
Botanical Name	Common Name	Indicator	
ex vulpinoidea	Fox Sedge	OBL	
rex scoparia	Blunt Broom Sedge	FACW	
ex lurida	Lurid Sedge	OBL	
rex lupulina	Hop Sedge	OBL	
n palustris	Fowl Bluegrass	FACW	
lens frondosa	Beggar Ticks	FACW	
rpus atrovirens	Green Bulrush	OBL	
lepias incarnata	Swamp Milkweed	OBL	
res crinita	Fringed Sedge	OBL	

New York Ironweed monia noveboracensis FACW+ Soft Rush FACW Aster lateriflorus (Symphyotrichum lateriflorum) Starved/Calico Aster Blue Flag is versicolor American Mannagrass Square Stemmed Monkey Flower patorium maculatum (Eutrochium maculatum) Spotted Joe Pye Weed

that are not permanently flooded. All species are best suited to moist ground as found in most wet meadows, scrub shrub, or forested vetland restoration areas. The mix is well suited for detention basin borders and the bottom of detention basins not generally under tanding water. The seeds will not germinate under inundated conditions. If planted during the fall months the seed mix will germinate the llowing spring. During the first season of growth several species will produce seeds while other species will produce seeds after the econd growing season. Not all species will grow in all wetland situations. This mix is comprised of the wetland species most likely to grow created/restored wetlands and should produce more than 75% ground cover in two full growing seasons.

The wetland seeds in this mix can be sown by hand, with a hand-held spreader, or hydro-seeded on large or hard to reach sites. Lightly rake to insure good seed-to-soil contact. Seeding can take place on frozen soil, as the freezing and thawing weather of late fall and late

PHONE: 413-548-8000 FAX 413-549-4000 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM New England Logging Road Mix

× 100.05

Botanical Name	Common Name	Indicator
Festuca rubra	Red Fescus	FACU
Schizachyrium scoparium	Little Bluestem	FACU .
Panicum virgatum	Switch Grass	FAC
Elymus virginicus	Virginia Wild Rye	FACW-
Andropogon gerardii	Big Bluestem	FAC
Sorghastrum nutans	Indian Grass	UPL
Chamaecrista fasciculata	Partridge Pea	FACU
Agrostis peremans	Upland Bentgrass	FACU
Juncus tenuis	Path Rush	FAC
Juncus effusus	Soft Rush	FACW+
ODICE OF LO SECON MINI OLIANITY 3	IRS TOTAL: \$78.00 APPL	Y: 20 LBS/ACRE :2200

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The New England Logging Road Seed Mix was originally designed for restoring Maine logging roads, but has application on other types of restoration sites. Provides native plant cover in low fertility and compacted soils. Always apply on clean bare soil. The mix may be applied by hydro-seeding, by mechanical spreader, or on small sites it can be spread by hand. Lightly rake, or roll to ensure proper seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Late Spring and early Summer seeding will benefit from a light mulching of weed-free straw to conserve moisture. If conditions are drier than usual, watering may be required. Late Fall and Winter dormant seeding require an increase in the seeding rate. Fertilization is not required unless the soils are particularly infertile. Preparation of a clean weed free soil surface is necessary for optimal results.

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.

## DISCRETIONARY CUTTING AREA CALCULATIONS:

EXISTING OVERSTAY WITHIN DISCRETIONARY CUTTING AREA = 19,706 S.F.

PROPOSED ALTERATIONS WITHIN DISCRETIONARY CUTTING AREA =  $2.948\pm$  S.F. (INCLUDES ALTERED AREAS NOTED IN THE ENFORCEMENT ORDER DATED JUNE 24, 2019.)

ALTERED DISCRETIONARY CUTTING AREA = 15.0%

## PROPOSED BUFFER ZONE ENHANCEMENT AREA DETAIL

WETLAND RESTORATION AREA SPECIES LIST:

A. (8) - 3'- 4' HIGHBUSH BLUEBERRY VACCINIUM CORYMBOSUM

C. (4) - 3'- 4' SWEET PEPPERBUSH CLETHRA ALNIFOLIA

B. (6) - 3'- 4' SILKY DOGWOOD CORNUS AMOMUM

D. (9) - 3'- 4' SERVICEBERRY AMELANCHIER CANADENSIS/ARBOREA

## SEED MIX:

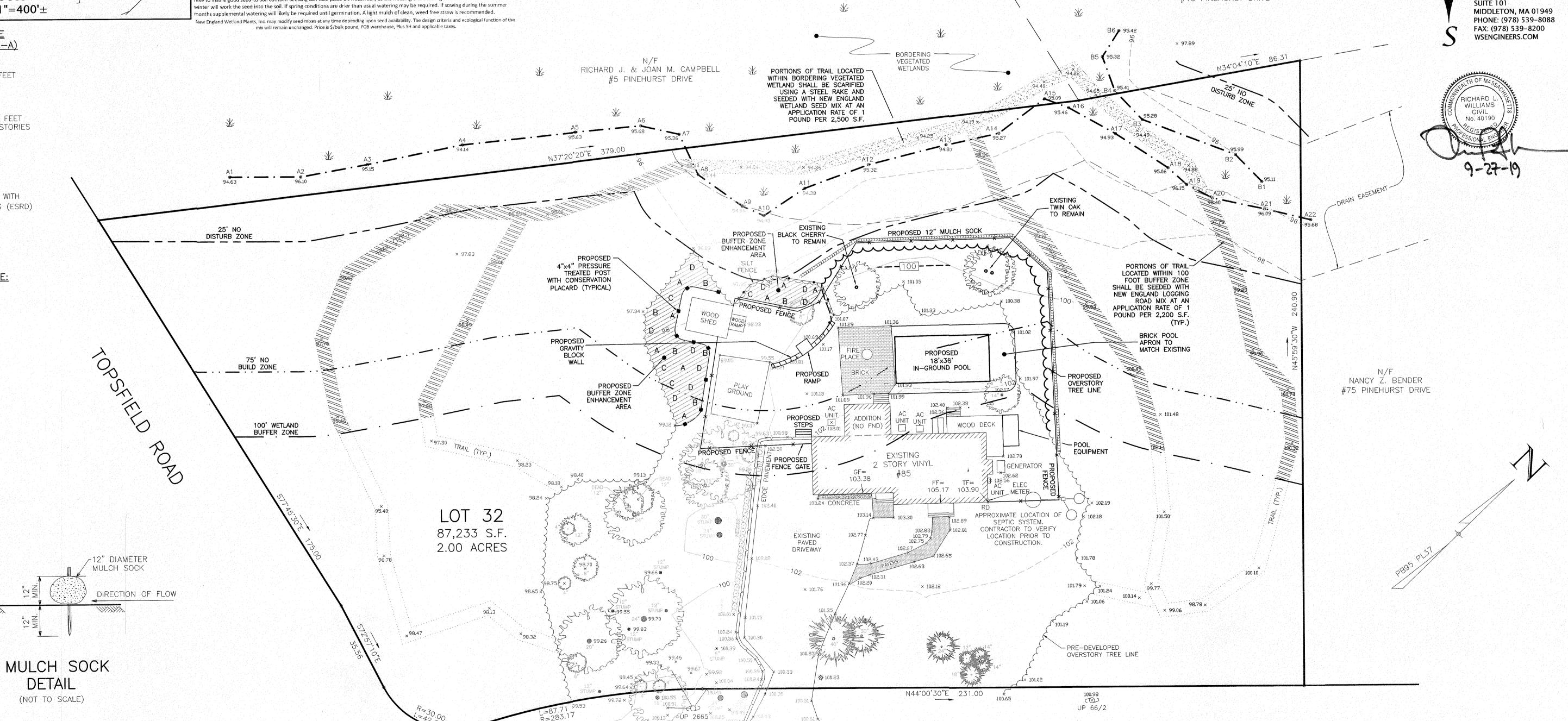
NEW ENGLAND WETLAND SEED MIX APPLICATION RATE: 1 LB / 2,500 SQ. FT.

NEW ENGLAND LOGGING ROAD MIX APPLICATION RATE: 1 LB / 2,200 SQ. FT LOUIS V. & VILMA D. OTTAVIANO #13 PINEHURST DRIVE

PLAN TO ACCOMPANY A NOTICE OF INTENT 85 PINEHURST DRIVE BOXFORD, MA

> DATE: AUGUST 21, 2019 REVISED: SEPTEMBER 27, 2019





EDGE PAVEMENT

PINEHURST DRIVE

NOTES:

EXISTING GROUND -

SURFACE

PROPERTY ADDRESS: #85 PINEHURST ROAD BOXFORD, MA 01921

DEED REFERENCE:

PLAN REFERENCES:

PLAN BOOK 95 PLAN 37

RECORDED WITH ESSEX SOUTH

MAP 33 BLOCK 3 PARCEL 13

ASSESSORS MAP REFERENCE:

REGISTRY OF DEEDS (ESRD)

BOOK 34797 PAGE 86 RECORDED WITH ESSEX SOUTH REGISTRY OF DEEDS (ESRD)

ALL ELEVATIONS SHOWN ARE REFERENCED TO AN ASSUMED DATUM.

EXISTING TOPOGRAPHY SHOWN IS THE RESULT OF AN ACTUAL INSTRUMENT SURVEY CONDUCTED BY WILLIAMS & SPARAGES LLC ON JULY 10, 2019.

WETLAND RESOURCE AREA DELINEATED BY WILLIAMS & SPARAGES LLC ON JULY 5, 2019.