

# PLANT LIST



APPROXIMATE SUMMARY OF QUANTITIES							
QUANTITY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
SEED							
8	KG	EC/R	NONE	NEW ENGLAND EROSION CONTROL RESTORATION MIX	SEED	40KG/HA	SOLE SOURCE NEWP
9.2	KG	LM	LOLIUM MULTIFLORUM	ANNUAL RYE	SEED	22KG/HA	-
1	KG	CM	NONE	CONSERVATION MIX	SEED	67KG/HA	-
15	KG	SRM	NONE	STREAMBANK RESTORATION SEED MIX	SEED	44KG/HA	-
1.2	KG	NWGS	NONE	NORTHEAST WETLAND GRASS SEED MIX	SEED	17KG/HA	-
EVERGREEN TREES							
33	EA	PG	PICEA GLAUCA	WHITE SPRUCE	900-1200 HT	4M	B&B
31	EA	PS	PINUS STROBUS	WHITE PINE	900-1200 HT	4M	B&B
DECIDUOUS TREES							
5	EA	AN	ACER NEGUNDO	BOX ELDER	1200-1500 HT	8M	B&B
33	EA	AR	ACER RUBRUM	RED MAPLE	40-45 CAL	8M	B&B
26	EA	AS	ACER SACCHARUM	SUGAR MAPLE	40-45 CAL	8M	B&B
3	EA	BN	BETULA NIGRA	RIVER BIRCH	1200-1500 HT	8M	B&B
42	EA	CO	CELTIS OCCIDENTALIS	HACKBERRY	40-45 CAL	8M	B&B
6	EA	PD	POPULUS DELTOIDES	COTTONWOOD	1200-1500 HT	8M	B&B
28	EA	QR	QUERCUS RUBRA	RED OAK	40-45 CAL	8M	B&B
DECIDUOUS SHRUBS							
9	EA	CAM	CORNUS AMOMUM	SILKY DOGWOOD	600-900 HT	1.8M	CONTAINER
20	EA	CRM	CORNUS RACEMOSA	GRAY DOGWOOD	600-900 HT	1.8M	CONTAINER
13	EA	HMV	HAMAMELIS VIRGINIANA	WITCH HAZEL	600-900 HT	1.8M	CONTAINER
28	EA	VLT	VIBURNUM LENTAGO	NANNYBERRY	600-900 HT	1.8M	CONTAINER

B&B = BALLED AND BURLAPPED

NOTE: ALL PLANTS TO BE OBTAINED FROM NURSERIES LOCATED IN NEW ENGLAND  
 \* NEWP \* NEW ENGLAND WETLAND PLANTS, INC., 820 WEST AMHERST, MA 01002, 413-548-800  
 \*ST\* SOUTHERN TIER CONSULTING, INC, 1-800-848-7614

## GENERAL NOTES FOR SEEDED AREAS

1. SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

### 2. SEED:

RURAL: USE VAOT'S "RURAL CONSERVATION MIX" IN THE INDICATED AREAS AND FOR ALL ESTABLISHED UPLAND AREAS DISTURBED BY THE LANDSCAPE CONTRACTOR.

WETLAND: USE NEW ENGLAND EROSION CONTROL/RESTORATION MIX/MOIST (EC/R) IN TEMPORARY WETLAND IMPACT RESTORATION AREAS; EAST ROAD DETOUR/WETLAND W BERM (SB 9+250 TO 9+300) AND AT WET SWALE LOCATION (SB ROUTE 7 CONNECTOR STA 1+500 RT) AS SHOWN ON THE PLANS.

USE NORTHEAST WETLAND GRASS SEED MIX IN WETLAND RESTORATION AREA AT FURNACE BROOK (STA. 8+600) AS SHOWN ON THE PLANS.

USE STREAMBANK RESTORATION MIX IN RIPARIAN ZONE RESTORATION AREA AT FURNACE BROOK (STA. 8+600) AS SHOWN ON THE PLANS.

3. FERTILIZER: FORMULA 5-10-5 SHALL BE APPLIED AT THE RATE OF 2KG/100SM OR 330 KG/HA (HYDROSEEDERS MAY USE 10-10-10 FORMULA)

4. LIME: PELLETIZED AGRICULTURAL LIMESTONE TO BE APPLIED AT THE RATE OF 50 KG/SM OR 4.5 T/HA.

5. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

6. SOILS IMPACTED BY CONSTRUCTION ACTIVITY SHALL BE LOOSENED TO A DEPTH OF APPROXIMATELY 50mm BEFORE PLANTING.

## NOTES FOR SHEET L-3 WETLAND & RIPARIAN CORRIDOR RESTORATION

- 1) PLANTING LOCATIONS MAY BE ADJUSTED IN THE FIELD BY THE RESIDENT ENGINEER AND FIELD NATURALIST, BASED ON ACTUAL FIELD CONDITIONS AT TIME OF PLANTING.
- 2) BASE LAYER OF STONE PADS TO BE LEFT IN PLACE DIRECTLY UNDERNEATH THE BRIDGE, AS SHOWN ON PLANS, TO PROVIDE LONG-TERM STABILIZATION AND EROSION CONTROL.
- 3) IN AREAS OF STONE PAD AND HAUL ROAD REMOVAL, LOOSEN SOIL BY ROTOTILLING OR EQUIVALENT PRIOR TO PLANTING.
- 4) NORTHEAST WETLAND GRASS SEED MIX TO BE PLANTED BETWEEN MAY 1 AND NOVEMBER 1.
- 5) STREAMBANK RESTORATION SEED MIX TO BE PLANTED AUGUST 21 AND SEPTEMBER 21. IF CONSTRUCTION COMPLETED BEFORE AUGUST 21, STABILIZE AREA IMMEDIATELY BY PLANTING OF LOLIUM MULTIFLORUM (ANNUAL RYE) AT 17 KG/HA AND STRAW MULCHING AT 4MG/HA. STREAMBANK RESTORATION SEED MIX THEN TO BE OVERSEEDDED BETWEEN AUGUST 21 AND SEPTEMBER 21.
- 6) NEW ENGLAND EROSION CONTROL/RESTORATION MOIST MIX TO BE PLANTED AS DIRECTED ON PLANT LIST SHEET.
- 7) PLANTING DATES MAY BE EXTENDED BY THE RESIDENT ENGINEER AND FIELD NATURALIST, DEPENDING UPON CONDITIONS AT THE TIME OF PLANTING.
- 8) SHRUBS TO BE PLANTED IN NATURAL-LOOKING, NON-LINEAR CLUSTERS, WITH AVERAGE SPACING OF SIX (6) FEET ON CENTER.
- 9) SOIL OF ENTIRE SHRUB CLUSTER PLANTING BEDS TO BE LOOSENED BY ROTO-TILLING TO A DEPTH OF 150mm OR EQUIVALENT, THEN COVERED WITH WEED SEPARATOR FABRIC. SHRUBS TO BE SET INTO SLITS IN FABRIC. ENTIRE BED THEN TO BE COVERED WITH BARK MULCH.

## NEW ENGLAND EROSION CONTROL RESTORATION MIX/MOIST

SPECIES	COMMON NAME	% MIX
AGROSTIS STOLONIFERA	CREEPING BENT GRASS	15.0
ANDROPOGON GERARDII	BIG BLUESTEM	6.0
ANDROPOGON SCOPARIUS	LITTLE BLUESTEM, CAMPER	6.0
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	2.0
CAREX VULPINOIDEA	FOX SEDGE	13.0
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	22.0
EUPATORIUM MACULATUM	SPOTTED JOE PYE WEED	1.0
FESTUCA RUBRA	CREEPING RED FESCUE	18.0
JUNCUS EFFUSUS	SOFT RUSH	4.0
PANICUM VIRGATUM	SWITCH GRASS	8.0
SCIRPUS ATROVIRENS	GREEN BULRUSH	2.0
VERBENA HASTATA	BLUE VERVAIN	3.0

SUGGESTED APPLICATION RATE: 40 KG/HA MULCH WITH WEED FREE STRAW AT 4 T/HA PLANT BETWEEN MAY 15 AND SEPT., OR BETWEEN OCTOBER 15 AND NOVEMBER 15. THE RESIDENT ENGINEER MAY APPROVE PLANTING BEYOND THESE DATES. IF COMPLETION OF CONSTRUCTION OCCURS BETWEEN SEPTEMBER 1 AND OCTOBER 15, AREAS OF NEW ENGLAND EROSION CONTROL/RESTORATION MIX TO BE STABILIZED BY PLANTING LOLIUM MULTIFLORUM (ANNUAL RYE) AT 40 KG/HA AND MULCHED WITH WEED-FREE STRAW AT 3.6 MG/HA IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. NEW ENGLAND EROSION CONTROL/RESTORATION MIX THEN TO BE PLANTED BETWEEN OCTOBER 15 AND NOVEMBER 15. AVAILABLE FROM NEW ENGLAND WETLAND PLANTS, INC., 1-413-548-8000.

## WETLAND SEED MIX SUPPLIERS

NEW ENGLAND WETLAND PLANTS, INC.  
820 MAIN ST.  
AMHERST, MA 01002

ERNST CONSERVATION SEEDS  
9006 MERCER PIKE  
MEADVILLE, PA 16335

SOUTHERN TIER CONSULTING, INC.  
P.O. BOX 30.  
WEST CLARKSVILLE, NY 14786

## STREAMBANK RESTORATION SEED MIX

% WEIGHT	KG/HA	SCIENTIFIC NAME	COMMON NAME
25.0	11.0	PANICUM CLANDESTINUM	DEERTONGUE
25.0	11.0	ELYMUS VIRGINICUS	VIRGINIA WILD-RYE
25.0	11.0	FESTUCA RUBRA	RED FESCUE
25.0	11.0	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS

PLANT AT 44 KG/HA. NO FERTILIZER. PLANT BETWEEN AUGUST 21 AND SEPTEMBER 21. PLANTING DATES MAY BE EXTENDED BY RESIDENT ENGINEER AND FIELD NATURALIST IF CONDITIONS ARE APPROPRIATE. IF CONSTRUCTION COMPLETED BEFORE AUGUST 21, STABILIZE SITE IMMEDIATELY WITH PLANTING OF LOLIUM MULTIFLORUM AT 17 KG/HA. PLANTING BY HYDROSEEDING WITH STANDARD HYDROSEED MULCH RECOMMENDED. IF HAND-SEEDING, MULCH WITH STRAW MULCH AT 4 T/HA. AVAILABLE FROM NEW ENGLAND WETLAND PLANTS 1-413-548-8000

## NORTHEAST WETLAND GRASS SEED MIX

% BY NO. OF SEEDS (NOT BY WEIGHT)	SCIENTIFIC NAME	COMMON NAME
63.0	AGROSTIS STOLONIFERA	CREEPING BENTGRASS
17.0	POA TRIVIALIS	ROUGH BLUEGRASS
11.0	ALOPECURUS ARUNDINACEUS	MEADOW FOXTAIL
4.5	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS
4.5	PANICUM CLANDESTINUM	DEERTONGUE

PLANT AT 17 KG/HA. NO LIME OR FERTILIZER. MULCH WITH WEED-FREE STRAW AT 4 T/HA. PLANT BETWEEN MAY 1 AND NOVEMBER 1. PLANT WITH ADDITIONAL LOLIUM MULTIFLORUM (ANNUAL RYEGRASS) AT A RATE OF 17 KG/HA. AVAILABLE FROM SOUTHERN TIER CONSULTING, INC. 1-800-848-7614

### NOTE

THIS SHEET TO BE USED FOR LANDSCAPING INFORMATION ONLY.

## VERMONT AGENCY OF TRANSPORTATION



PROJECT NAME: BENNINGTON - NORTH  
 PROJECT NUMBER: BENNINGTON AC NH 019-1(53)  
 FILE NAME: ...\\Bennington\C3details.dgn PLOT DATE: 05/18/2007  
 DESIGN SUPERVISOR: J. BENSON DRAWN BY: E. SMALL  
 DESIGNED BY: J. STEELE/C. BRODIE CHECKED BY: J. STEELE  
 LANDSCAPE PLAN L-1 SHEET 185 OF 577