- PLANTING NOTES
- PRIOR TO DELIVERY TO THE SITE, THE SUPERVISING WETLAND SCIENTIST WILL VISIT THE NURSERY OR NURSERIES PROVIDING THE PLANTING STOCK TO ENSURE THAT THE SPECIMENS ARE HEALTHY, FREE FROM PESTS AND ANY INVASIVE PLANT MATERIAL, AND SUITABLE FOR USE WITHIN THE WETLAND ESTABLISHMENT SITE UNSUITABLE SPECIMENS WILL BE REJECTED AND REPLACED WITH SUITABLE SPECIMENS. THE SUPERVISING WETLAND SCIENTIST MUST APPROVE ANY PLANTING SUBSTITUTIONS. ALL WOODY PLANT STOCK WILL BE EITHER BARE ROOT STOCK OR CONTAINER GROWN.
- 2. PLANTING WITHIN THE WETLAND ESTABLISHMENT SITE AND ADJACENT UPLANDS WILL CONFORM TO THE PLANS OR WILL BE COMPLETED IN ACCORDANCE WITH DIRECTIONS PROVIDED IN THE FIELD. ONLY PLANT MATERIALS NATIVE AND INDIGENOUS TO THE REGION WILL BE USED. USE OF CULTIVARS WILL BE PROHIBITED. SPECIES NOT SPECIFIED IN THE FINAL PLANTING PLAN WILL NOT BE USED WITHOUT WRITTEN APPROVAL FROM THE PERMITTING AGENCY.
- 3. ALL PLANTINGS WILL BE SPACED IN SIMILAR SPECIES CLUSTERS IN A RANDOM DISTRIBUTION, AT THE DIRECTION OF THE SUPERVISING WETLAND SCIENTIST, TO SIMULATE NATURAL GROWTH PATTERNS.
- 4. TRANSPLANTS AND PLANT MATERIAL COLLECTED FROM THE WILD IS PROHIBITED UNLESS APPROVED IN WRITING BY THE WETLAND SCIENTIST. ALL PLANT MATERIAL USED SHALL BE NURSERY-GROWN AND HEALTHY, SOUND AND FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE, DISCOLORATIONS, LEAF WILTING OR CURLING AND WEEDS.
- 5. CONTAINER-GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL AFTER REMOVAL FROM THE CONTAINER. ROOTS SHALL VISIBLY EXTEND TO THE INSIDE FACE OF THE GROWING CONTAINER BUT SHALL NOT BE ROOT-BOUND OR GIRDLING.
- 6. ALL PLANTS SHALL BE DELIVERED TO THE SITE AS LIVE, ACTIVELY GROWING, OR JUST BREAKING DORMANCY, AND ARRIVE TO THE PROJECT SITE READY FOR PLANTING. THE WETLAND SCIENTIST MAY REJECT PLANTS DAMAGED IN HANDLING OR TRANSPORT. PLANT MATERIAL SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER IT HAS BEEN DELIVERED TO THE SITE.

- 7. SOIL AND ROOTMASS SHALL BE WATERED AND MOIST ON DELIVERY TO THE JOB SITE. PLANTS WITH DRY SOIL AND ROOTS SHALL NOT BE ACCEPTABLE. ALL PLANT MATERIALS TEMPORARILY STORED AT THE SITE PRIOR TO PLANTING SHALL BE STORED OUT OF DIRECT EXPOSURE TO SUN AND WIND, SHALL BE MAINTAINED BY CAREFUL WATERING, AND SHALL BE PROTECTED FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES AND ADVERSE WEATHER.
- 8. TREE AND SHRUB PLANTING TO OCCUR BETWEEN MAY 1 AND SEPTEMBER 15.
- 9. UPON COMPLETION OF PLANTING, THE AREAS AROUND EACH PLANT OR CLUSTER OR PLANTS WILL BE MULCHED WITH A 3 INCH THICK LAYER OF LEAF LITTER OR OTHER NATURAL ORGANIC MATERIAL (NOT FRESH WOOD CHIPS)
- 10. THE EROSION CONTROL BARRIERS WILL BE DISASSEMBLED AND PROPERLY DISPOSED OF BEFORE NOVEMBER 1 OF THE THIRD FULL GROWING SEASON AFTER PLANTING OF THE WETLAND ESTABLISHMENT SITE. SEDIMENT COLLECTED BY THE BARRIERS WILL BE REMOVED AND DISPOSED OF IN A MANNER THAT PREVENTS EROSION AND TRANSPORT TO A WETLAND OR WATERWAY. IF MINOR GRADING IS REQUIRED IN THE IMMEDIATE ZONE AROUND THE EROSION CONTROL BARRIER TO PROVIDE SURFACE HYDROLOGIC CONNECTION BETWEEN THE WETLAND ESTABLISHMENT SITE AND THE EXISTING WETLAND AREA, IT WILL BE DONE BY HAND AND STABILIZED BY MULCH.
- 11. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON (MAY 1 NOV. 1) WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK, FOR THE FIRST MONTH. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT. FOLLOWING THE FIRST MONTH OF PLANTING, WATERING WILL BE LIMITED TO PERIODS OF DECLARED DROUGHT. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
- 12. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

## **SEEDING NOTES**

- 1. SEEDING WITHIN THE WETLAND ESTABLISHMENT SITE AND ADJACENT UPLANDS WILL CONFORM TO THE PLANS OR WILL BE COMPLETED IN ACCORDANCE WITH DIRECTIONS PROVIDED IN THE FIELD. ONLY PLANT MATERIALS NATIVE AND INDIGENOUS TO THE REGION WILL BE USED. USE OF CULTIVARS WILL BE PROHIBITED. SPECIES NOT SPECIFIED IN THE FINAL SEEDING PLAN WILL NOT BE USED WITHOUT WRITTEN APPROVAL FROM THE WETLAND SCIENTIST AND PERMITTING AGENCY.
- 2. CONTRACTOR SHALL SUPPLY A WETLAND SEED MIX INCLUDING A MAJORITY OF THE SPECIES LISTED IN THE WETLAND SEED MIX TABLE. 75% OF THE SEED MIX, BY WEIGHT, SHALL BE INDIGENOUS GRASSES AND SEDGES. SEEDS MUST BE FROM PLANTS GROWN WITHIN 200 MILES OF THE MITIGATION SITE. CONTRACTOR SHALL PROVIDE A WRITTEN ANALYSIS OF THE SEED MIXTURE TO THE WETLAND SCIENTIST. NO SEEDING IS PERMITTED WITHOUT APPROVAL OF THE WETLAND SCIENTIST.
- 3. CONTRACTOR SHALL SUPPLY AN UPLAND SEED MIX INCLUDING A MAJORITY OF THE SPECIES LISTED IN THE UPLAND SEED MIX TABLE. 75% OF THE SEED MIX, BY WEIGHT, SHALL BE INDIGENOUS GRASSES AND. SEEDS MUST BE FROM PLANTS GROWN WITHIN 200 MILES OF THE MITIGATION SITE. CONTRACTOR SHALL PROVIDE A WRITTEN ANALYSIS OF THE SEED MIXTURE TO THE WETLAND SCIENTIST. NO SEEDING IS PERMITTED WITHOUT APPROVAL OF THE WETLAND SCIENTIST.
- 4. THE UPLAND SEED MIX SHALL BE APPLIED TO ALL DISTURBED SOILS WITHIN UPLANDS ADJACENT TO THE WETLAND MITIGATION AREA.
- 5. THE SEED MIXES SHALL BE APPLIED AT A RATE OF 1 LB PER 2,500 SQUARE FEET SEEDS MAY BE APPLIED WITH A SPREADER OR HYDROSEEDED. IF A HYDROSEED MULCH IS NOT USED, THE SEEDED AREA MUST BE COVERED WITH A LIGHT LAYER OF CLEAR, SEED-FREE STRAW.
- 6. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON (MAY 1 NOV. 1) WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK, FOR THE FIRST MONTH. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE PLANTING RATE: 1 LB/2500 SQUARE FEET THE SOIL IN THE ROOT ZONE OF EACH PLANT. FOLLOWING THE FIRST MONTH OF PLANTING, WATERING WILL BE LIMITED TO PERIODS OF DECLARED DROUGHT. WATER SHALL BE PROVIDED BY THE CONTRACTOR.

Planting Schedule					
Symbol	Common Name	Latin Name	Quantity	Size	
$\odot$	Winterberry	llex verticillata	19	2-3 ft ht	
$\odot$	Highbush blueberry	Vaccinium corymbosum	19	2-3 ft ht	
×	Sweet pepperbush	Clethra alnifolia	18	2-3 ft ht	

Who HNTB

PROJECT MANAGER

HORIZ: AS SHOWN

VERT: AS SHOWN DATE: 02/11/2019

BOSTON, MA 02110 (617) 728-7777

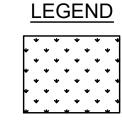
DES. BY DR. BY CHK. BY

PLAN NO.

SHEET 515

Upland Seed Mix			
Common Name	Latin Name		
Little bluestem	Schizachyrium scoparium		
Switchgrass	Panicum virgatum		
Deertongue	Dichanthelium scoparium		
Fescue	Festuca ovina		
Kentucky bluegrass	Poa pratensis		
Rough bent-grass	Agrostis scabra		
Rough goldenrod	Soldago rugosa		
New England Aster	Aster novae-angliae		

UPLAND SEED MIX SHALL INCLUDE ONLY SPECIES ON THIS LIST.



WETLAND SEED MIX



Wetland Seed Mix				
Latin Name				
Carex lurida				
Carex scoparia				
Carex crinita				
Carex stipata				
Carex comosa				
Carex stricta				
Carex vulpinoidea				
Eupatorium perfoliatum				
Juncus effusus				
Lobelia cardinalis				
Scirpus atrovirens				
Scirpus cyperinus				
Scirpus tabernaemontani				
Glyceria canadensis				
Glyceria grandis				
Poa palustris				
Leersia oryzoides				
Elymus virginicus				
Elymus riparius				
Euthamia graminifolia				

