

**WETLAND IMPROVEMENT CONSTRUCTION SEQUENCE  
WETHERBEE PLAZA  
GREAT ROAD/ACTON, MA  
PREPARED BY CARON ENVIRONMENTAL CONSULTING  
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1. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK COMMENCES. THE EROSION CONTROL BARRIERS NEAR THE IMPROVEMENT AREAS SHALL BE SILT FENCE ONLY. IT IS ALSO RECOMMENDED THAT EROSION CONTROL DEVICES PLACED UPGRADIENT OF THE IMPROVEMENT AREAS DURING THIS OR SUBSEQUENT CONSTRUCTION BE SILT FENCE. IN ADDITION, MULCHING WITH HAY IS NOT ALLOWED IN THE IMPROVEMENT AREAS OR THE ADJACENT UPLANDS. IF MULCHING BECOMES NECESSARY IT SHALL BE ACCOMPLISHED USING STRAW, SALT MARSH HAY OR EROSION CONTROL BLANKETS. THE PURPOSE OF THESE RESTRICTIONS IS TO AVOID THE INTRODUCTION OF INVASIVE UPLAND SPECIES WHOSE SEED IS ABUNDANT IN HAY.
2. THE REQUIREMENTS OF ANY OF THE REGULATORY AGENCIES SHALL BE FOLLOWED IN THE EVENT OF CONFLICTS WITH THESE PROCEDURES.
3. A WETLAND SCIENTIST SHALL SUPERVISE THE CONSTRUCTION OF THE IMPROVEMENT AREAS.
4. CONSTRUCTION SHALL OCCUR DURING A DRY PERIOD.
5. ALL MATERIALS REQUIRED TO CONTROL EROSION AND TO STABILIZE THE SITE SHALL BE ON-SITE BEFORE WORK BEGINS.
6. CONSTRUCTION SHOULD PROCEED AS RAPIDLY AS POSSIBLE.
7. WHERE CLEARING IS REQUIRED, AS MANY OF THE SHRUBS AS POSSIBLE SHOULD BE PULLED FROM THE GROUND RATHER THAN CUT TO REDUCE THE POTENTIAL FOR RESPROUTING.
8. EXCAVATE ALL OF THE EXISTING TOPSOIL AND REMOVE FROM THE SITE. THE EXISTING TOPSOIL SHALL NOT BE USED ON THE SITE DUE TO THE PREVALENCE OF INVASIVE SPECIES PROPAGULES.
9. ROUGH GRADE THE IMPROVEMENT AREAS TO SIX INCHES BELOW THE PROPOSED FINISHED GRADE.
10. PLACE SIX INCHES OF LOAM ONTO THE IMPROVEMENT AREAS TO BRING THE GRADE TO THE FINAL GRADES SHOWN ON THE SITE PLAN. THE LOAM IS TO BE AS FREE OF WEED SEED AS POSSIBLE.
11. FINAL GRADING SHALL BE ROUGH TO CREATE AN UNEVEN SURFACE.
12. PLANT AREAS BELOW ELEVATION 145 IN THE UPPER WETLAND IMPROVEMENT AREA WITH 200 OF EACH OF THE FOLLOWING HERBACEOUS PLANTS ON A 2'X2' SPACING: WHITE TURTLEHEAD (*Chelone glabra*), BLUE FLAG IRIS (*Iris versicolor*), CARDINAL FLOWER (*Lobelia cardinalis*), SWAMP MILKWEED (*Asclepias incarnata*) AND NEW ENGLAND ASTER (*Aster novae-angliae*).
13. PLANT THE REMAINING WETLAND IMPROVEMENT AREA AS SHOWN ON THE SITE PLAN WITH 2 SWAMP WHITE OAK (*Quercus bicolor*), 2 BLACK GUM (*Nyssa sylvatica*), 9 SWAMP AZALEA (*Rhododendron viscosum*), 8 SWAMP ROSE (*Rosa palustris*), 7 WINTERBERRY (*Ilex verticillata*), 11 SILKY DOGWOOD (*Cornus amomum*) AND 9 NANNYBERRY (*Viburnum lentago*). THE TREES SHALL BE 24"-36" IN SIZE AND THE SHRUBS SHALL BE 18"-24" IN SIZE.
14. SEED THE ENTIRE WETLAND IMPROVEMENT AREA WITH FOUR POUNDS OF NEW ENGLAND WETLAND PLANT'S WETLAND SEED MIX, OR APPROVED EQUAL.
15. PLANT THE UPLAND IMPROVEMENT AREA AS SHOWN ON THE SITE PLAN WITH 2 PITCH PINE (*Pinus rigida*), 4 TAMARACK (*Larix laricina*), 13 SHADBLOW (*Amelanchier canadensis*) AND 9 RED CHOKEBERRY (*Aronia arbutifolia*).
16. SEED THE UPLAND IMPROVEMENT AREA WITH 1.5 POUNDS OF NEW ENGLAND WETLAND PLANT'S WILDFLOWER MIX, OR APPROVED EQUAL.
17. A NARROW BUFFER THAT WILL NOT BE REGULARLY MOWED WILL BE ESTABLISHED AS SHOWN ON THE SITE PLAN. THIS BUFFER SHALL BE SEEDED WITH NEW ENGLAND WETLAND PLANT'S SHOWY WILDFLOWER MIXTURE AT THE RATE OF 1900 SQUARE FEET PER POUND. IF SEEDING OCCUR IN LATE SPRING OR SUMMER THE AREA SHALL BE LIGHTLY MULCHED WITH STRAW OR SALT MARSH HAY.
18. INSTALL WOODEN POSTS EVERY 16 FEET ALONG THE WILDFLOWER BUFFER. LANDSCAPERS ARE TO BE NOTIFIED THAT REGULAR MOWING WILL NOT BE ALLOWED BEYOND POSTS. MOWING IN THIS AREA

SHOULD OCCUR NO MORE THAN ONCE PER YEAR. THE SEED SUPPLIER SHOULD BE CONSULTED TO DETERMINE THE OPTIMUM TIME TO MOW.

19. SUBSTITUTION OF PLANTS IS ALLOWABLE IF THE SPECIFIED PLANTS CAN'T BE OBTAINED, SUBJECT TO THE APPROVAL OF THE SUPERVISING WETLAND SCIENTIST.
20. IF SEEDING OCCURS BETWEEN MAY 15 AND SEPTEMBER 1, THE ENTIRE AREA SHALL BE LIGHTLY MULCHED WITH STRAW OR SALT MARSH HAY.
21. IF THE REQUIRED PLANTINGS ARE MADE AFTER SEPTEMBER 1, THEY SHOULD BE MULCHED 2 FEET AROUND EACH PLANTING WITH A LAYER OF SALT MARSH HAY OR STRAW AT LEAST 6 INCHES DEEP TO PREVENT FROST HEAVING.
22. THE SUBSEQUENT DEVELOPMENT OF VEGETATION IN THE IMPROVEMENT AREAS SHALL BE MONITORED BY A WETLAND SCIENTIST FOR FIVE FULL GROWING SEASONS OR UNTIL A CERTIFICATE OF COMPLIANCE IS ISSUED. THE AREAS SHALL BE INSPECTED EACH JUNE AND SEPTEMBER AND A REPORT OF EACH INSPECTION SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION. IF THE AREAS ARE NOT DEVELOPING AS EXPECTED, A REMEDIAL ACTION PLAN SHALL BE PREPARED AND SUBMITTED TO THE CONSERVATION COMMISSION FOR REVIEW AND APPROVAL.
23. DURING THE FIRST FIVE GROWING SEASONS NON-NATIVE, INVASIVE SPECIES THAT BECOME ESTABLISHED ARE TO BE REMOVED BY HAND WEEDING, UNLESS SPECIFIC APPROVAL TO USE OTHER METHODS IS OBTAINED FROM THE CONSERVATION COMMISSION. WEEDING SHOULD OCCUR MONTHLY FROM JUNE TO SEPTEMBER FOR THE FIRST TWO GROWING SEASONS. THE INTENSITY OF WEEDING IN SUBSEQUENT YEARS WILL BE ASSESSED BASED UPON CONDITIONS. THE LANDSCAPER, OR PERSON CONDUCTING THE WEEDING, SHALL MEET WITH THE WETLAND SCIENTIST EACH JUNE TO DETERMINE THE SPECIES THAT NEED TO BE REMOVED. MORE FREQUENT ON SITE MEETINGS MAY BE NECESSARY AS DETERMINED BY THE WETLAND SCIENTIST OR THE LANDSCAPER.