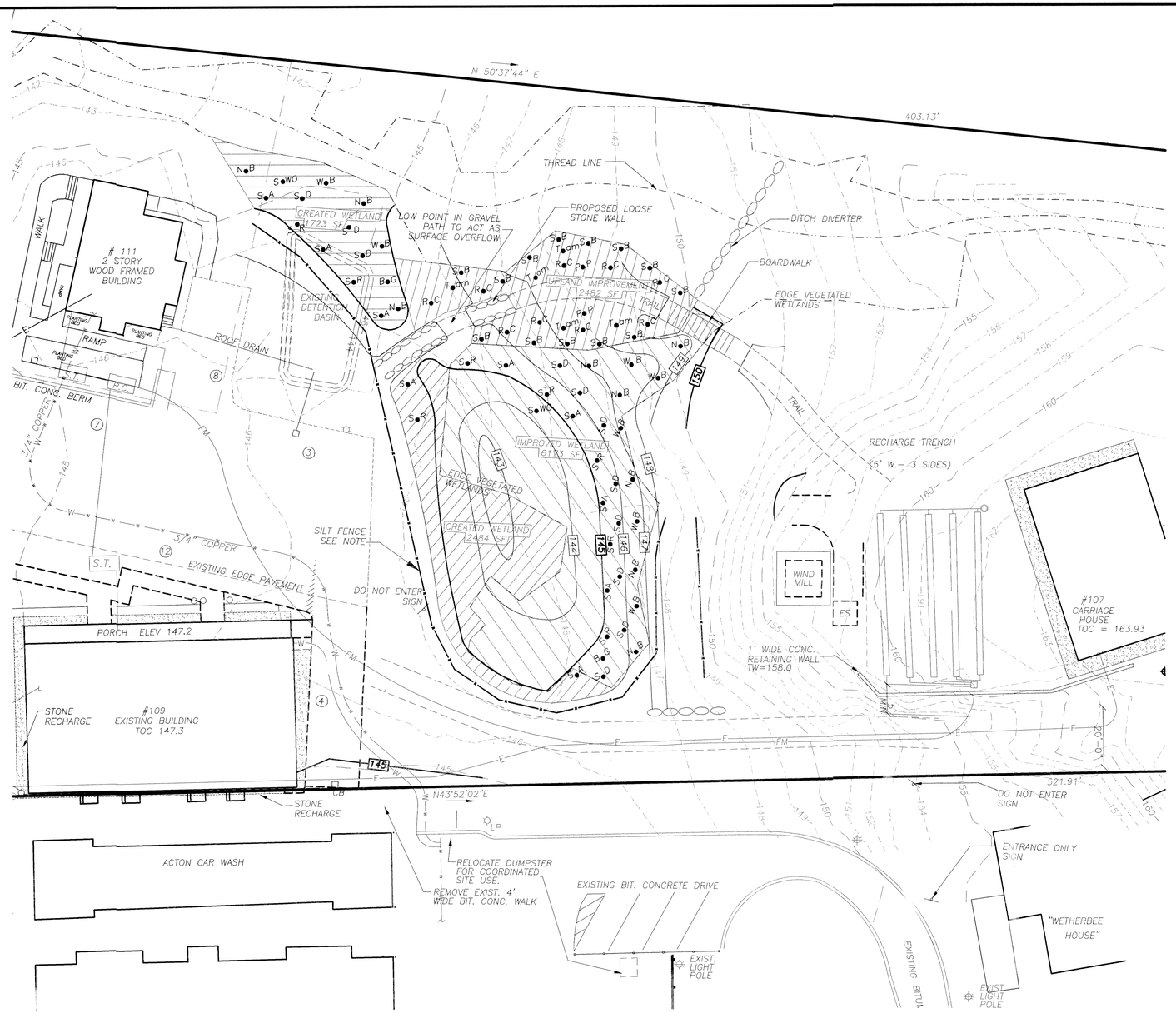

PLANT LIST:

TREES AND SHRUBS

QTY.	SYM.	COMMON NAME
2	SWO	SWAMP WHITE OAK
2	BG	BLACKGUM
9	SA	SWAMP AZALEA
8	SR	SWAMP ROSE
7	WB	WINTERBERRY
11	SD	SILKY DOGWOOD
9	NB	NANNYBERRY
2	PP	PITCH PINE
5	Tam	TAMARACK
13	SB	SHADBLOW
9	RC	RED CHOKEBERRY

SCALE: 1 INCH = 20 FEET

FEET 0 5 10 20 40 60

METERS 0 5 10 15 20

WETLAND IMPROVEMENT CONSTRUCTION SEQUENCE

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 AND ANY 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 FINISH 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 154' 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 WETLAND IMPROVEMENT 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 WETLAND IMPROVEMENT PLAN WITH 2 PITCH PINE (Pinus rigida), 5 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. SUBSTITUTION OF PLANTS IS ALLOWABLE IF THE SPECIFIED PLANTS CANNOT BE OBTAINED, SUBJECT TO THE APPROVAL OF THE SUPERVISING WETLAND SCIENTIST.
18. IF SEEDING OCCURS BETWEEN MAY 15 AND SEPTEMBER 1, THE ENTIRE AREA SHALL BE LIGHTLY MULCHED WITH STRAW OR SALT MARSH HAY.
19. IF THE REQUIRED PLANTINGS ARE MADE AFTER SEPTEMBER 1, THE AREA 2 FEET AROUND EACH PLANTING SHOULD BE MULCHEDWITH A LAYER OF SALT MARSH HAY OR STRAW AT LEAST 6 INCHES DEEP TO PREVENT FROST HEAVING.
20. THE SUBSEQUENT DEVELOPMENT OF VEGETATION IN THE IMPROVEMENT AREAS SHALL BE MONITORED BY A WETLAND SCIENTIST FOR TWO 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.

SEE EROSION & SEDIMENTATION CONTROL PLAN FOR ADDITIONAL DETAILS.

SILT FENCES SHALL BE INSTALLED AS REQUIRED TO SEGREGATE CONSTRUCTION ACTIVITIES FROM WETLAND AREAS.

WETLAND IMPROVEMENT PLAN
WETHERBEE PLAZA EXTENSION

107-115 GREAT ROAD
ACTON, MASSACHUSETTS

PREPARED FOR:
WETHERBEE PLAZA, LLC
6 PROCTOR STREET
ACTON, MA 01720

COMMONWEALTH OF MASSACHUSETTS
MARK DONOHOE
CIVIL
No. 27143
8/15/08

SCALE: 1"=20'
DATE: AUGUST 12, 2008

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5180B26-SP AMEND-5/7

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