

WETLAND BUFFER ENHANCEMENT NOTES

WETLAND BUFFER ENHANCEMENT GOALS:

- 1) PRESERVE NATIVE PLANT MATERIAL SURROUNDING WETLAND AREAS.
- 2) REMOVAL OF INVASIVE SPECIES WITHIN WETLAND BUFFER SURROUNDING WETLAND AREAS.
- 3) CONTROL FUTURE GROWTH OF INVASIVE SPECIES WITHIN BUFFER AREA THROUGH CONTINUED MAINTENANCE AND THE ESTABLISHMENT OF APPROPRIATE NATIVE VEGETATION.

REMOVAL OF INVASIVE PLANTS:

- 1) REMOVAL SHALL INVOLVE THE PHYSICAL RELOCATION OF VEGETATION FROM THE SITE. DISPOSAL OF INVASIVE PLANT MATERIAL SHALL COMPLY WITH CT DEEP "GUIDELINES FOR DISPOSAL OF TERRESTRIAL INVASIVE PLANTS". SUCH MATERIAL MAY BE CHIPPED AND COMPOSTED ON SITE IF DONE PRIOR TO FLOWERING. IF AFTER FLOWERING SHALL BE DISPOSED OF OFF SITE BY BEING BAGGED, TRANSPORTED SECURELY, AND INCINERATED.
- 2) SEASONAL ACTIVITY:
 - A. PERFORM MECHANICAL REMOVALS IN THE SPRING. DO NOT PERFORM MECHANICAL REMOVALS WHEN PLANTS HAVE PRODUCED SEEDS.
 - B. PERFORM CHEMICAL TREATMENTS IN LATE SUMMER AND AS RECOMMENDED BY THE MANUFACTURER. ANY HERBICIDE USED FOR INVASIVE ERADICATION OR CONTROL SHALL BE APPROVED BY PROJECT WETLAND SCIENTIST AND APPLIED BY A LICENSED PROFESSIONAL.

TARGET SPECIES:

MULTIFLORA ROSE (ROSA MULTIFLORA)

CUT STEMS TO GROUND AND APPLY AN HERBICIDE (GLYPHOSATE, TRICLOPYR, OR APPROVED EQUAL) AFTER RESPROUT. PROTECT NATIVE SPECIES FROM SPRAY DRIFT.

ORIENTAL BITTERSWEET (CELASTRUS ORBICULATUS)

CUT VINES GROWING UP TREES WITHIN WETLAND BUFFER ENHANCEMENT AREA.

WINGED EUONYMOUS (EUONYMOUS ALATUS)

CUT STEMS TO GROUND AND APPLY AN HERBICIDE (GLYPHOSATE, TRICLOPYR, OR APPROVED EQUAL) AFTER RESPROUT. PROTECT NATIVE SPECIES FROM SPRAY DRIFT.

JAPANESE HONEYSUCKLE (LONICERA JAPONICA)

CUT AND REMOVE VINES ALONG EXISTING FENCE LINE WITHIN WETLAND BUFFER ENHANCEMENT AREA.

ADDITIONAL SPECIES

THE WETLAND BIOLOGIST OR OTHER QUALIFIED INDIVIDUAL MAY IDENTIFY ADDITIONAL PLANT SPECIES FOR REMOVAL. IF SO, THE QUALIFIED INDIVIDUAL SHALL ASSIST CONTRACTOR IN DEVELOPING REMOVAL RECOMMENDATIONS AND PREVENTATIVE RECOMMENDATIONS APPROPRIATE FOR THOSE SPECIES.

PREVENT FUTURE GROWTH OF INVASIVE SPECIES:

1. CONTRACTOR AND/OR OWNER SHALL PROVIDE THREE (3) YEARS OF MONITORING, MAINTENANCE AND TREATMENT TO WETLAND BUFFER ENHANCEMENT AREAS FOLLOWING DATE OF FIRST TREATMENT. MONITORING SHALL INCLUDE ANNUAL REPORTS INCLUDING PHOTOS AND RECOMMENDATIONS FOR CONTINUED GROWTH OF NATIVE PLANT MATERIAL. MAINTENANCE SHALL INCLUDE ADDITIONAL PLANTINGS, INVASIVE SPECIES REMOVALS, HERBICIDE APPLICATIONS IN ACCORDANCE WITH SPECIFICATIONS AND STATE REGULATIONS, AS IS NECESSARY.

BUFFER PLANTING NOTES:

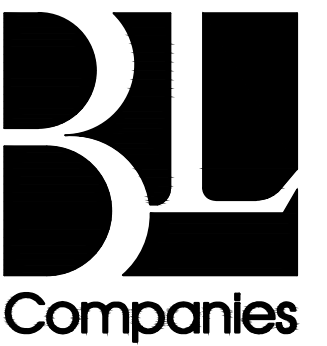
1. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH LOCAL INLAND WETLANDS AND WATERCOURSES AGENCY STAFF, THE SITE CONTRACTOR, THE GRADING CONTRACTOR, THE LANDSCAPE CONTRACTOR, AND THE LANDSCAPE ARCHITECT OR ENVIRONMENTAL SCIENTIST.
2. PLANTING WITHIN THE WETLAND BUFFER ENHANCEMENT AREA SHALL BE DONE IN ACCORDANCE WITH THE DETAILS ON SHEET LL-4 AND PLANTING SPECIFICATION SECTIONS.
3. FINAL PLANT & SEED MIX LOCATIONS SHOULD BE VERIFIED IN THE FIELD BY THE ENGINEER/WETLAND SCIENTIST.
4. ALL DISTURBED AREAS NOT OTHERWISE PLANTED SHALL BE OVERSEEDDED WITH CONSERVATION SEED MIX AS SPECIFIED.
5. ANY SUBSTITUTIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER/WETLAND SCIENTIST.
6. PLANTS SHALL BE NATIVE SPECIES FROM NEW ENGLAND SOURCES TO THE EXTENT FEASIBLE. CULTIVARS OR HYBRIDS ARE NOT ACCEPTABLE.
7. PLANT TREES AND SHRUBS AROUND EXISTING NATIVE VEGETATION IN BEDS AND MULCH WITH PINE BARK MULCH. MULCH AROUND TREES WITH PINE BARK MULCH.
8. MULCH IS NOT TO BE RENEWED.
9. FINAL PLANT & SEED MIX LOCATIONS SHOULD BE DETERMINED IN THE FIELD BY LANDSCAPE ARCHITECT OR WETLAND SCIENTIST.
10. PLANTINGS SHALL BE MONITORED BY WETLAND BIOLOGIST FOR 3 YEARS. REMEDIAL MEASURES MAY BE REQUIRED AND SHALL BE RECOMMENDED BY WETLAND SCIENTIST.

GENERAL PLANTING NOTES

1. THE WETLAND BUFFER ENHANCEMENT PLANS ARE FOR PLANTING AND INVASIVE SPECIES REMOVAL INFORMATION ONLY. PLEASE REFER TO THE SITE PLANS, LANDSCAPE PLANS, AND GRADING AND DRAINAGE PLANS FOR ALL OTHER INFORMATION.
2. GUARANTEE: GUARANTEE ALL WETLAND BUFFER ENHANCEMENT AREA PLANTS AND SEED MIXTURES FOR A MINIMUM OF THREE (3) YEARS TO BE ALIVE AND IN VIGOROUS GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE GUARANTEE PERIOD FOR ALL PLANTS SHALL BEGIN UPON APPROVAL AS SPECIFIED UNDER SUBSTANTIAL COMPLETION. ANY PLANTINGS WHICH DIE, OR WITH 75% OR MORE DIEBACK, WITHIN THE THREE (3) YEARS FOLLOWING PLANTING SHALL BE REPLACED. REPLACEMENTS: ALL PLANTS SHALL BE FREE OF DEAD OR DYING BRANCHES AND BRANCH TIPS, AND SHALL BEAR FOLIAGE OF A NORMAL DENSITY, SIZE AND COLOR. PROMPTLY REMOVE DEAD, UNSIGHTLY UNHEALTHY, OR EXCESSIVELY PRUNED PLANTS. THESE AND ANY PLANTS MISSING DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED OR ADDED WITH THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED AS SOON AS CONDITIONS PERMIT. METHOD OF REPLACEMENT SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING WITH REPLACEMENTS MATCHING ADJACENT SPECIMENS OF THE SAME SPECIES. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS AND THEY SHALL BE MAINTAINED AND GUARANTEED. REPLACEMENTS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE AND SHALL BE GUARANTEED FOR TWO FULL YEARS FROM TIME OF REPLACEMENT.
3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE.
4. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE, VEGETATION, UTILITY LOCATIONS AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL OF ENGINEER/LANDSCAPE ARCHITECT PRIOR TO PLANTING.
5. UTILITY LOCATIONS SHOWN IN THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
6. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3". MULCH SHALL BE TRIPLE-SHREDDED HARDWOOD BARK MULCH OF NATURAL COLOR.
7. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY LANDSCAPE ARCHITECT. SEE LANDSCAPE DETAIL FOR PLANTING DETAILS.
8. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE PLANS, GRADING AND DRAINAGE PLANS, DEMOLITION PLANS AND ALTA/ACSM LAND TILE SURVEY PLANS. SEE LIGHTING PLAN FOR ELECTRICAL AND LIGHTING LAYOUT AND DETAILS. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
9. PLANTING SOIL TYPES:
 - A. UPLAND - FOR USE AT ALL TREE, SHRUB, AND CONSERVATION SEED PLANTING AREAS.
 - TO CONSIST OF 100% PLANTING SOIL AS SPECIFIED.
10. PLANT REQUIREMENTS: ALL PLANTS SHALL CONFORM IN SIZE AND GRADE TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 (LATEST EDITION). ALL PLANTS SHALL MEET THE ADDITIONAL REQUIREMENTS SET FORTH BELOW AND IN WRITTEN SPECIFICATIONS AS APPLICABLE. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. THEY SHALL BE HEALTHY, SYMMETRICAL, EVENLY AND DENSELY BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF BARK INJURY, DISEASE, AND INSECT PESTS. ALL TREES SHALL HAVE A STRAIGHT TRUNK WITH A SINGLE MAIN LEADER UNLESS OTHERWISE CHARACTERISTIC OF THE SPECIES OR VARIETY. THE OWNER OR LANDSCAPE ARCHITECT WILL ALLOW SUBSTITUTIONS ONLY UPON WRITTEN APPROVAL. SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED. THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL PLANT MATERIALS ARE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT.
11. ALL SLOPES GREATER THAN 3:1 RECEIVING A SEEDING MIXTURE SHALL BE COVERED WITH EROSION CONTROL BLANKET.
12. PLANTING SOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES (AFTER SETTLEMENT AND COMPACTION) OVER PLANTING AREAS.
13. ALL LANDSCAPING REQUIRED SHALL BE PERPETUALLY MAINTAINED BY THE PROPERTY OWNER. ANY LANDSCAPING NEEDED TO MEET AN ORDINANCE REQUIREMENT THAT DIES, IS REMOVED, OR IS SEVERELY DAMAGED SHALL BE REPLACED BY THE CURRENT PROPERTY OWNER AS SOON AS IS PRACTICAL CONSIDERING GROWING SEASONS, WITH A MAXIMUM OF 150 DAYS.
14. AT ALL TIMES, THE SITE SHALL BE KEPT NEAT AND SHALL BE KEPT FREE OF DEBRIS LEFT FROM THE PLANTING OPERATION. CONTRACTOR TO MAINTAIN LANDSCAPED AREAS WITHIN CONTRACT LIMIT LINE.
15. EVERGREEN TREE AND SHRUB PLANTING SCHEDULE:

SPRING PLANTING:	APRIL 1-JUNE 1
FALL PLANTING:	AUGUST 15 - OCTOBER 15
16. DECIDUOUS TREE AND SHRUB PLANTING SCHEDULE:

SPRING PLANTING:	APRIL 1-JUNE 15
FALL PLANTING:	SEPTEMBER 1 - NOVEMBER 1
17. WATERING: CONTRACTOR RESPONSIBLE FOR WATERING ALL TREES AND PLANTS AS NEEDED DURING CONSTRUCTION AND IN THE MONTHS APRIL-OCTOBER IN THE WARRANTY PERIOD.
18. PLANT PURCHASE MANIFEST: CONTRACTOR SHALL SUBMIT RECEIPTS AND MANIFEST SHOWING PURCHASE OF GENUS/SPECIES/CULTIVAR AS SPECIFIED IN THE LANDSCAPE SCHEDULE.



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1.	1/22/16
2.	2/24/16

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Checked: ---
Approved: ---
Scale: NTS
Project No: 14C4892
Date: 1/4/16

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ENHANCEMENT
NOTES

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