

PLANT LIST

* Native plant species

Symbol/Botanical Name	Common Name	No.	Size	Remarks (Approx. size at maturity)
Trees				
*BP/Betula nigra 'Heritage'	Heritage River Birch	3	7-8' Ht Clump	LA may sub. Heritage River Birch (40'ht x 20'w)
GB/Ginkgo biloba	Ginkgo	2	2.5-3' C	Matching/open habit (40'ht x 30'w)
*HC/Halesia Carolina	Carolina Silverbell	1	6-7' Ht	Single (preferred) or multi-trunk (20'ht x 20'w)
PS/Prunus subhirtella 'Autumnalis'	Autumn Higan Cherry	2	2-2.5' C	Full trees, matching (20'ht x 15'w) high branched
*TH/Thuja occidentalis 'Nigra'	Dark American Arborvitae	6	7-8' Ht	Single trunk (20'ht x 15'w)
Shrubs				
*AL/Amelanchier 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8	5-6' Ht/mulch	Full (18'ht x 10'w)
BU/Buxus 'Green Velvet'	Green Velvet Boxwood	14	5 Gal	Matching, loose form; do not shear (2'ht x 3'w)
*CS/Cornus sericea 'Allman's Compacta'	Allman's Compact Red-Osier Dogwood	3	3 Gal	Full (3'ht x 3'w)
*FO/Fothergilla gardenii	Dwarf Fothergilla	14	5 Gal	Full, matching (3'ht x 3'w)
*HA/Hamamelis virginiana	Common Witchhazel	3	7 Gal	Full (10'ht x 10'w)
HQ/Hydangea quercifolia 'Snow Queen'	Snow Queen Hydrangea	5	5 Gal	Matching (4'ht x 5'w)
HR/Hibiscus syriacus 'Ardens'	Ardens Rose of Sharon	3	4-5' Ht+	CG acceptable; matching; color may change (10'ht x 8'w)
*IG/Ilex glabra compacta	Compact Inkberry	24	2-2.5' Ht	Matching, full plants; evergreen (5'ht x 5'w)
*W/Ilex verticillata 'Winter Red'	Winter Red Winterberry	13	2-3' Ht	Matching, full plants (5'ht x 8'w)
*W/Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	2	18-24' Ht	Male pollinator for Red Sprite Winterberry (4'ht x 5'w)
*SC/Sambucus canadensis	American Elderberry	6	3 Gal	Full (8'ht x 8'w)
Perennials & Grasses				
HE/Hemerocallis st. la d'oro	Stella D'oro Daylily	65	1 Gal	(12-18" Ht)
NE/Nepeta 'Blue Wonder'	Blue Catmint	7	1 Gal	12" Ht x 12" W
PE/Pennisetum al. 'Hameln'	Dwarf Reed Grass	10	2 Gal	(3-4' Ht x 1-2' W)

Submit Grass Seed Mixes for 2 conditions:
 1) Lawn seed mix
 2) Slope stabilizing mix at bio-retention basins and within buffer zone (*New England Conservation/Wildlife Seed Mix by New England Wetland Plants, Inc.)

Bio-retention Basin Plantings and Conservation Seed Mix

*MW/Asclepias tuberosa	Butterfly Milkweed	20	2" plug
*CI/Clethra alnifolia	Summersweet	20	3 gal
*A/Aster novae-angliae	New England Aster	30	2 Gal
*CS/Cornus sericea (stolonifera) 'Allman Compacta'	Compact Red-Osier Dogwood	30	3 Gal

PLANTING NOTES

- The Landscape Contractor shall supply all plant materials in quantities sufficient to complete the planting plan shown on the drawings.
- All materials shall conform to the guidelines established by the "American Standard for Nursery Stock", published by the American Association of Nurserymen.
- All plants shall be balled in burlap unless specified otherwise. No root bound container stock will be accepted. All plastic root wrapping and metal wire baskets shall be removed at the time of planting, except that wire which is directly under the root ball.
- All plants shall bear the same relationship to finished grade as to original grade before digging.
- The Landscape Contractor shall blend the new earthwork smoothly with existing contours.
- The Landscape Contractor is responsible for providing the required loam/planting mix.
- This Landscape Plan is for design intent only. Landscape Contractor may scale from the drawing; however, final plant layout shall be worked out on site with the Landscape Architect (LA). Landscape Contractor shall set out plants on grade generally as shown on the plan for approval by LA. LA may direct landscape contractor to relocate plants until design intent is accomplished as determined by LA.
- Care shall be taken not to disturb existing plant materials. When digging near the base of existing materials, no roots shall be disturbed. Use only hand tools for excavation work. Any plant injured or destroyed shall be replaced with a plant of equal or greater size at the Landscape Contractor's expense.
- Landscape Contractor shall water the plants thoroughly at the time of planting and twice during the first 24 hours after planting. The Landscape Contractor shall maintain the plants until frost following installation, unless another arrangement is made with the owner's approval.
- The Landscape Contractor shall fertilize new plants with 10-10-10 fertilizer according to manufacturer's instructions, only after discussions with the Landscape Architect.
- Pruning: Lightly prune all woody plants ONLY if directed by LA. A person qualified and experienced in this work shall do the pruning. Do not remove all terminal buds. All trees shall have a single leader unless specified by the Landscape Architect. The Landscape Contractor or the nursery/grower shall not prune tree leaders. Landscape Architect retains the right to reject any trees with pruned leaders and the Landscape Contractor shall replace such material at his/her own expense.
- All plants shall be sprayed with an anti-desiccant within 24 hours after planting, and again the first week of November the first fall after planting.
- Mulch: Two to three inches of natural, very dark brown shredded pine bark & leaf mulch shall be spread throughout all planting beds. Keep mulch away from tree trunks. Submit sample of mulch to Landscape Architect for approval. **NO dyed mulch shall be used.**
- All planting beds shall be clearly and sharply edged.
- All plants shall be guaranteed for a minimum of one year from the date of final acceptance of planting by the Landscape Architect. Landscape Contractor shall replace, at his/her own expense, any dead or diseased plants, or any plant material deemed by the Landscape Architect to be in poor condition.
- Bio-retention Basins:** See civil engineering drawings for grading and construction. Plants shall be placed on site by Landscape Architect after completion of grading.
- Clearing at south property line:** Debris, diseased and dead plants and invasives shall be removed. Prior to removal, Owner's representative shall flag plants to be removed and shall meet with Town of Acton Natural Resources director, Tom Tidman, on site to discuss overall situation. No clearing shall commence until Town approval is given. See Special Notes, above.

GENERAL NOTES

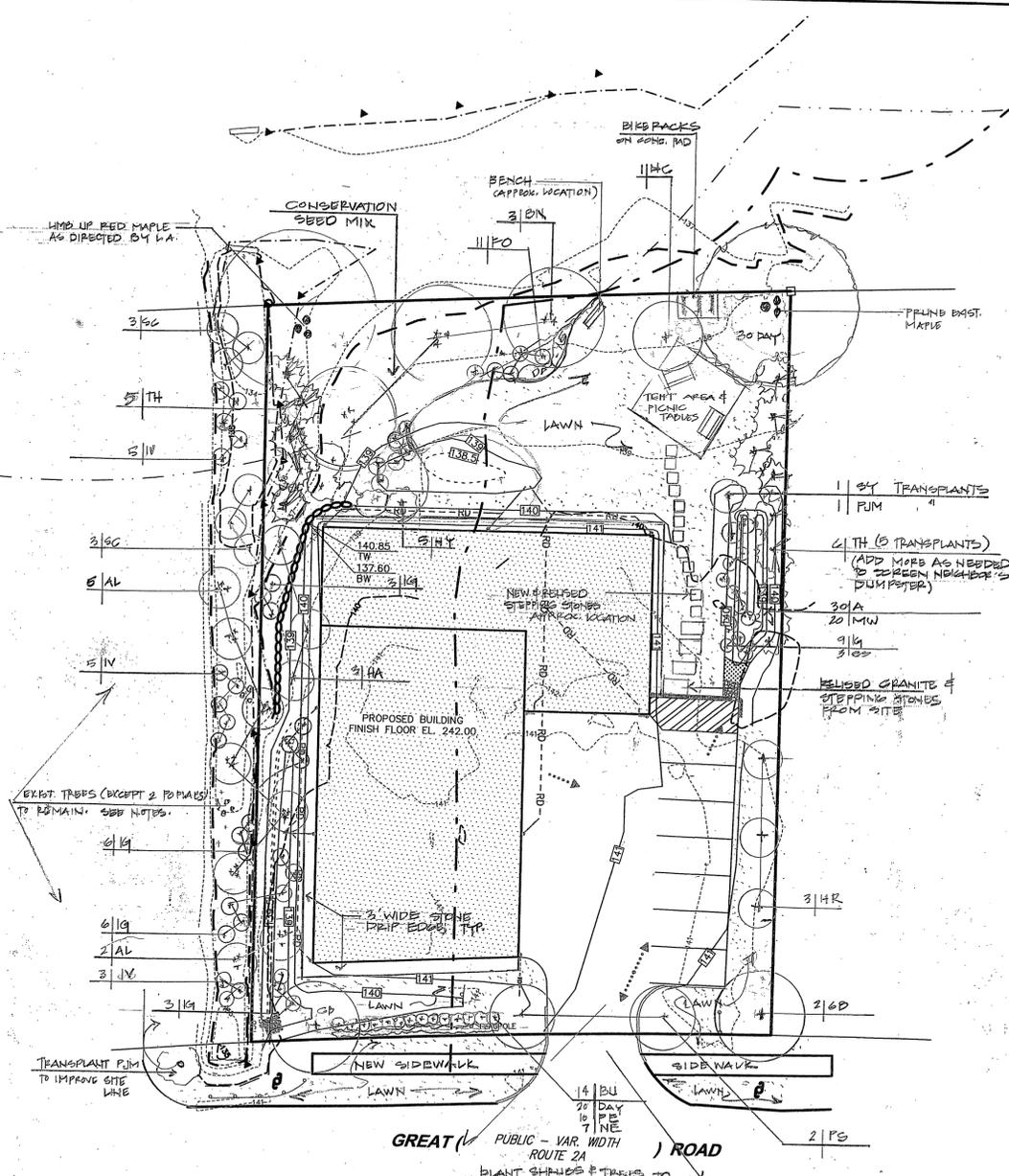
- Landscape contractor shall follow Town of Acton & State of MA standard specifications for all work in this project.
- Landscape Contractor shall meet with all appropriate Town departments prior to construction to become aware of all utilities and other conditions affected by this work. Landscape Contractor shall coordinate Dig Safe and be responsible for any necessary permitting & insurance for this project.
- This Landscape Plan is for design intent only. Landscape Contractor may scale from the drawing, however final plant and path layout shall be worked out on site with the Landscape Architect (L.A.).
- See all relevant plans for this project including, but not limited to, Utility and Grading Plans and Architectural drawings. Locate and flag all utilities and tanks prior to grading & planting. The Landscape Contractor shall be held responsible for any breaks or disturbances of these systems caused by his/her work.
- The Landscape Contractor shall take soil samples throughout the site where new plantings will occur. At a minimum he/she shall grub site and amend with necessary organic material to bring soil to levels required to sustain the plantings shown on the plan.
- Grading: Landscape Contractor shall grade site for positive drainage. Acceptance of grading is required before planting can begin.
- Stone for Drip Edges: Submit stone sample for approval.

SPECIAL NOTES

- Existing Plant Material: Remove, by hand-tools only, all invasives, dead plant material, and debris, especially along the south property line. The majority of trees on the site, except those within the proposed building envelope, shall remain. Two Poplars in poor condition along the south property line shall be tagged for removal. All other trees shall be pruned by a MA certified arborist. If arborist determines that any tree is in poor health and is a safety hazard, the Natural Resources director shall be notified. Upon the Director's approval, the tree(s) may then be removed.
- Swales and slopes of swales shall be seeded with conservation seed mix. Do not plant trees or shrubs in center of swale.
- Two Rhododendrons on the south neighbor's property, shall be transplanted to improve site lines exiting the driveway.
- Stockpile stepping stones, granite steps and landing at old house for reuse.
- Transplant Arborvitae, Lilac and Rhododendron to screen neighbor's dumpster at north property line.
- Landscape Architect may need to substitute plants and/or plant sizes depending on availability at nurseries at time of selection. The landscape contractor shall make NO substitutions without approval by the LA.
- Winter conditions: Owner shall use only environmentally friendly, non-salt based products on paved surfaces.

INVASIVE SPECIES REMOVAL NOTES:

- THE FOLLOWING INVASIVE SPECIES ARE TO BE REMOVED: ORIENTAL BITTERSWEET (CELASTRUM ORBICULATUS), MULTIFLORA ROSE (ROSA MULTIFLORA), TARTARIAN HONEYSUCKLE (LONICERA TARTARICA), EUROPEAN BUCKTHORN (FRAXINUS FRANGULA), PURPLE LOOSESTRIFE (LYTHRUM SALICARIA) AND NORWAY MAPLE SAPPLINGS (ACER PLATANOIDES).
- THE FOLLOWING SUPPLEMENTAL PLANTINGS SHALL BE PLANTED IN PLACE OF THE INVASIVE SPECIES: COMMON WINTERBERRY (ILEX VERTICILLATA), INKBERRY (ILEX GLABRA), SERVICEBERRY (AMELANCHIER), WITCHHAZEL (HAMAMALIS VIRGINIANA) AND ELDERBERRY (SAMBUCUS CANADENSIS).
- INITIAL REMOVAL: SMALL PLANTS SHALL BE PULLED UP BY HAND AND NOT CUT. LARGER PLANTS SHALL BE CUT OFF CLOSE TO THE GROUND LEVEL AND APPLIED WITH HERBICIDE VIA A PAINT BRUSH OR OTHER APPLICATOR TO THE STUMP. IN THE WETLANDS BY THE US ENVIRONMENTAL PROTECTION AGENCY AND THE MASSACHUSETTS DEPARTMENT OF AGRICULTURAL RESOURCES, SUCH AS THOSE SOLD UNDER THE TRADE NAME ROBOBO, AQUAMASTER OR APPROVED EQUAL. CUT AND PAINT METHOD DOES NOT WORK WHEN THE GROUND IS FROZEN AND IS LESS EFFECTIVE IN THE SPRING WHEN PLANT SAP IS RUNNING OUT OF THE ROOTS.
- MONITORING & FOLLOW-UP: SINCE THE 'CUT AND PAINT' METHOD OF TREATING PLANTS IN THE SPRING IS NOT EFFECTIVE IT IS RECOMMENDED THAT MONITORING OCCUR TWICE ANNUALLY: ONCE IN MID JUNE TO MID JULY AND ONCE IN LATE AUGUST TO MID SEPTEMBER. NEWLY SPROUTED INVASIVE VEGETATION WILL BE CONTROLLED EITHER BY HAND PULLING OR BY CUT AND PAINT METHOD WITH A WETLANDS SAFE GLYPHOSATE AS DESCRIBED ABOVE. AN EVALUATION OF THE ORDER OF CONDITIONS, AT WHICH TIME AN EXTENSION MAY BE REQUESTED FROM THE ACTON NATURAL RESOURCES COMMISSION.



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 Telephone: 978.486.0040

ASSESSORS REFERENCE:
 ASSESSORS PROPERTY ID F4-10

EXISTING CONDITIONS NOTES:

- EXISTING CONDITION INFORMATION BASED ON AN ON-THE-GROUND TOPOGRAPHIC AND BOUNDARY SURVEY PERFORMED BY GOLDSMITH, PREST & RINGWALL, INC. DURING APRIL 2016.
- WET FLAG "A&B" SERIES HAVE BEEN DELINEATED BY THIS OFFICE. WF-W-800 SERIES FLAGS FROM BRUCE FREEMAN RAIL TRAIL PHASE 2A. BY GREENMAN-PEDERSEN, INC SHEET 43A OF 159. PROJECT FIVE 604532. MAY 20, 2014.
- THE PURPOSE OF THIS PLAN IS TO ACCOMPANY AN APPLICATION TO THE NATURAL RESOURCE DEPARTMENT.

DRAWING ISSUED FOR:

CONCEPT CONSTRUCTION
 PERMIT CONSTRUCTION RECORD

THIS DRAWING MAY NOT SHOW CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ALL PROPOSED IMPROVEMENTS, AND MAY NOT IDENTIFY ALL CONSTRUCTION WORK ITEMS/AREAS OF CONTRACTOR JURISDICTION.

NO.	DATE	BY	APP.	REVISION DESCRIPTION

GPR Engineering Solutions for Land & Structures

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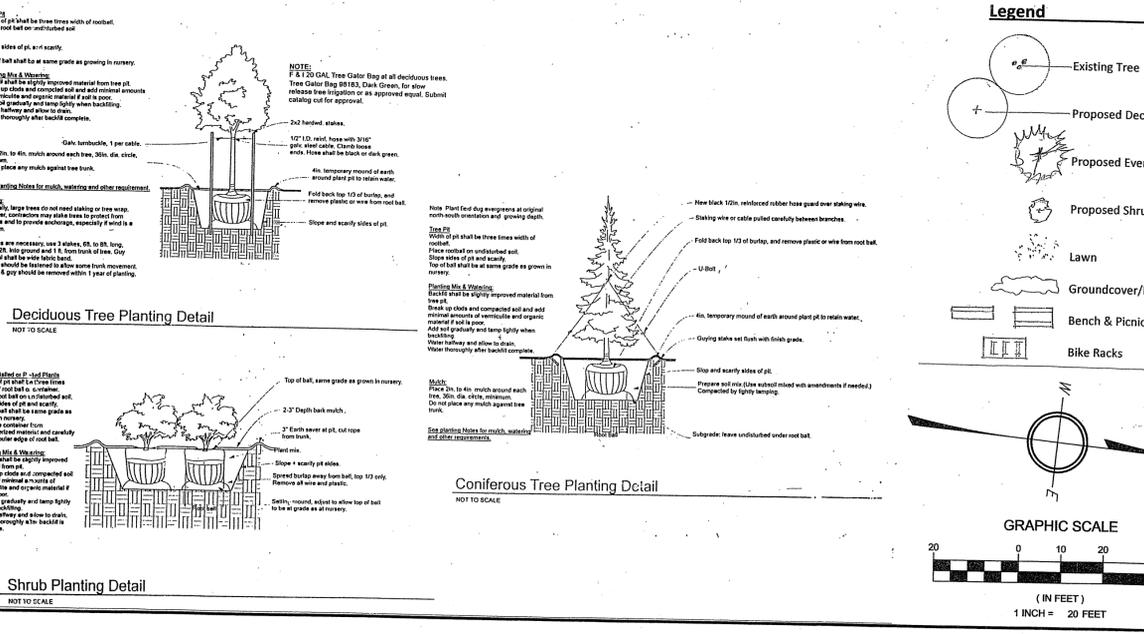
COMMERCIAL DEVELOPMENT

PLANTING PLAN

ALPHA CARS
 178 GREAT ROAD
 ACTON MA, 01720

PREPARED FOR:
 178 GREAT RD., ACTON LLC
 649 MASSACHUSETTS AVE.
 BOXBOROUGH, MA 01719

DWN. BY:	DATE:	AUGUST 2016	JOB 161025	1 OF 1
CHK. BY:				



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