

MASSACHUSETTS AVENUE  
(1890 COUNTY LAYOUT - 60' WIDE)

ROUTE 111 - MASSACHUSETTS AVENUE  
(1907 STATE HIGHWAY LAYOUT - 60' WIDE)

**SITE PLAN**  
**WAVE**  
**ACTON, MASSACHUSETTS**

**STAMSKI AND MCNARY, INC.**  
80 HARRIS STREET - ACTON, MASSACHUSETTS  
ENGINEERING - PLANNING - SURVEYING

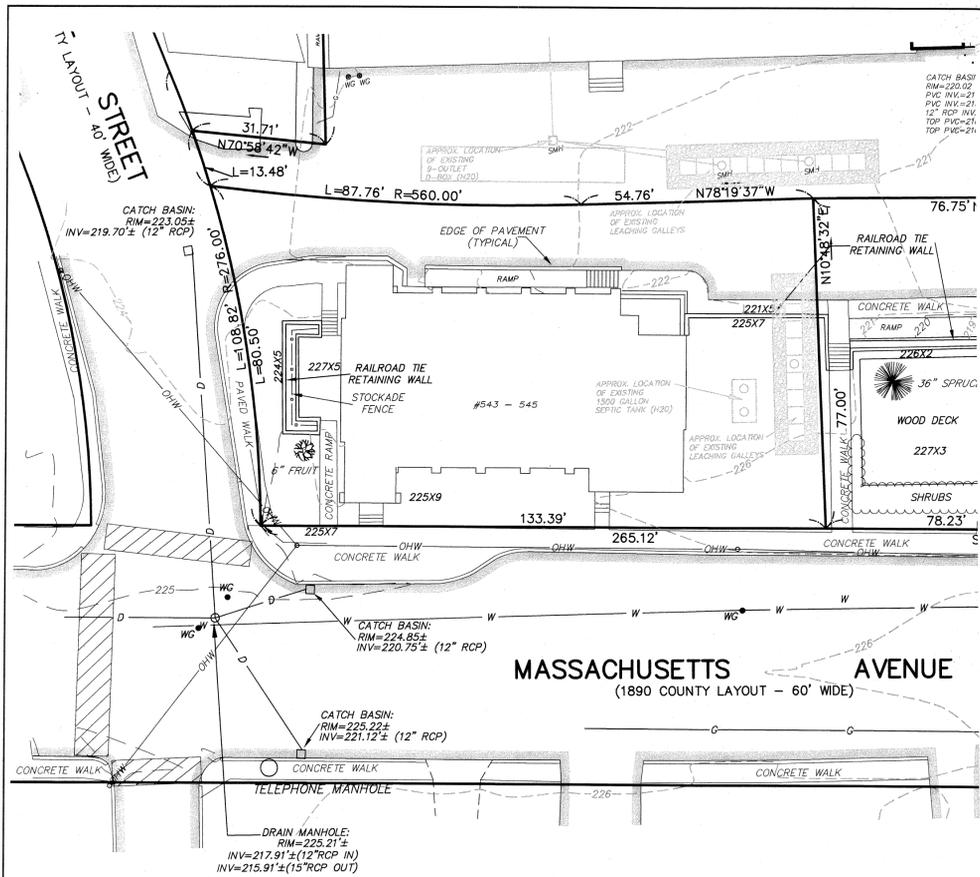
**KIM AHERN LANDSCAPE ARCHITECTS**  
40 FOSTER STREET - LITTLETON, MASSACHUSETTS  
PHONE: (978) 486-0040

**LANDSCAPE PLAN**  
SCALE: 1" = 20' DATE: 10/28/09 Rev./KA

0 10 20 40 60 80 FT.  
SM-3320 SHEET 1 OF 2 3320LANDSCAPE A.DWG



NOTE:  
See Landscape Plan Sheet 2 of 2 for Landscape & General Notes, Planting Details and Plant List.



**Tree Pit**  
Width of pit shall be three times width of rootball.  
Place root ball on undisturbed soil.

Slope sides of pit and scarify.  
Top of ball shall be at same grade as grown in nursery.

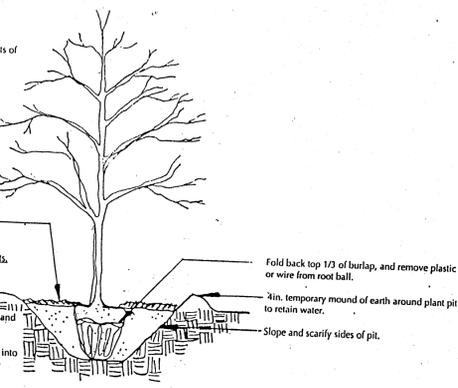
**Planting Mix & Watering:**  
Backfill shall be slightly improved material from tree pit.  
Break up clods and compacted soil and add minimal amounts of vermiculite and organic material if soil is poor.  
Add soil gradually and tamp lightly when backfilling.  
Water halfway and allow to drain.  
Water thoroughly after backfill complete.

**Mulch:**  
Place 2in. to 4in. mulch around each tree,  
3/16in. dia. circle, minimum.  
Do not place any mulch against tree trunk.

See Planting Notes for mulch, watering and other requirements.

**Staking:**  
Generally, large trees do not need staking or tree wrap.  
However, contractors may stake trees to protect from mowers and to provide anchorage, especially if wind is a problem.

If stakes are necessary, use 3 stakes, 6ft. to 8ft. long, driven 2ft. into ground and 1ft. from trunk of tree. Guy material shall be wide fabric band.  
Stakes should be fastened to allow some trunk movement.  
Stakes & guy should be removed within 1 year of planting.



Top of ball shall be at same grade as grown in nursery.

fold back top 1/3 of burlap, and remove plastic or wire from root ball.

3in. temporary mound of earth around plant pit to retain water.

3 in. of mulch.

Slope and scarify sides of pit.

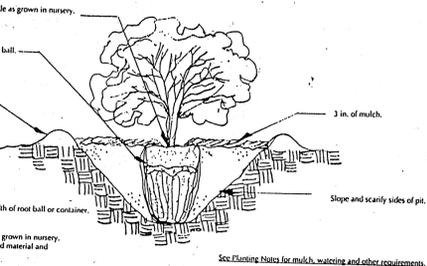
**Pit for Balled or Potted Plants**  
Width of pit shall be three times width of root ball or container.  
Place root ball on undisturbed soil.  
Slope sides of pit and scarify.  
Top of ball shall be at same grade as grown in nursery.  
Remove container from containerized material and loosen outer edge of root ball.

**Planting Mix & Watering:**  
Backfill shall be slightly improved material from pit.  
Break up clods and compacted soil and add minimal amounts of vermiculite and organic material if soil is poor.  
Add soil gradually and tamp lightly when backfilling.  
Water halfway and allow to drain.  
Water thoroughly after backfill complete.

**Mulch:**  
Place 2in. to 4in. mulch around each tree,  
3/16in. dia. circle, minimum.  
Do not place any mulch against tree trunk.

See Planting Notes for mulch, watering and other requirements.

**Shrub Planting**  
Not to Scale



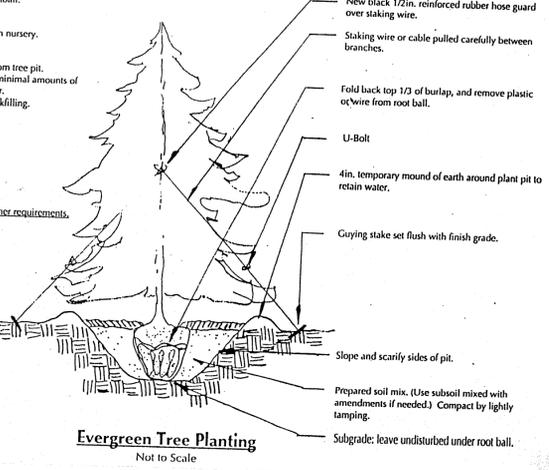
Note: Plant field dug evergreens at original north-south orientation and growing depth.

**Tree Pit**  
Width of pit shall be three times width of rootball.  
Place rootball on undisturbed soil.  
Slope sides of pit and scarify.  
Top of ball shall be at same grade as grown in nursery.

**Planting Mix & Watering:**  
Backfill shall be slightly improved material from tree pit.  
Break up clods and compacted soil and add minimal amounts of vermiculite and organic material if soil is poor.  
Add soil gradually and tamp lightly when backfilling.  
Water halfway and allow to drain.  
Water thoroughly after backfill complete.

**Mulch:**  
Place 2in. to 4in. mulch around each tree,  
3/16in. dia. circle, minimum.  
Do not place any mulch against tree trunk.

See Planting Notes for mulch, watering and other requirements.



**Plant List**

Symbol/Botanical Name	Common Name	No.	Size	Approx. height (h) & width (w) @ maturity
<b>Deciduous Trees</b>				
AU/Amelanchier laevis	Shadblof (Multistemmed)	9	7-8'Ht	20-25'Ht x 20'w
BP/Betula nigra "Heritage"	Heritage River Birch (Clump)	3	7-8'Ht	50-70'Ht x 25-30'w
CL/Cladrastrus lutea	Yellowwood	3	2-3' x 2-3'	30-50'Ht x 35-45'w; Multi-stem if available
GT/Gleditsia tri. "Halka"	Halka Honeylocust	4	2-3' x 2-3'	35-40'Ht x 35'w; Matching
LT/Liriodendron tulipifera	Tuliptree	1	4-5' x 2-3'	20-30'Ht x 35-50'w
PR/Prunus sargentii "Columnaris"	Columnar Sargent Cherry	1	2-3' x 2-3'	30-35'Ht x 10-15'
PS/Prunus subhirtella "Autumnalis"	Autumn Higan Cherry	1	2-3' x 2-3'	20-40'Ht x 15-25'w
PY/Pyrus calleryana "Aristocrat"	Aristocrat Flowering Pear	1	2-3' x 2-3'	30-35'Ht x 20-25'w
UL/Ulmus Americana "New Harmony"	New Harmony American Elm	4	2-3' x 2-3'	50-60'Ht x 40-5'w; Matching
<b>Evergreen Trees</b>				
IV/Juniperus virginiana	Eastern Red Cedar	7	5-6'Ht	40-50'Ht x 8-20'W; Single trunk
<b>Shrubs</b>				
BU/Buddleia davidii	Butterfly Bush	5	#3 pot	5-8'Ht x 5-8'w; 3 purple, 1 pink, 1 white
CS/Cornus alba "Ivory Halo"	Ivory Halo Redtwig Dogwood	8	18-24'Ht	3'Ht x 3-4'w
FS/Forsythia "Lynnwood Gold"	Lynnwood Gold Forsythia	8	3-4'Ht	6'Ht x 6'w
HA/Hammamalis virginiana	Common (native) Witchhazel	3	3 Gal	10-25'Ht x 10-20'w
IC/Ilex glabra	Inkberry	42	18-24" Ht	6-8'Ht x 8'W/Full plants; evergreen, B&B only
IV/Ilex verticillata "Winter Red"	Winter Red Winterberry	5	3-4'Ht	6-10'Ht x 6-10'W
IV/Ilex verticillata "Late Male"	Late Male Winterberry	1	2 Gal	6-10'Ht x 6-10'W
RM/Rhododendron maximum	Rosebay Rhododendron	3	3-3.5'Ht	10-12'Ht x 5-10'w
RH/Rhus aromatica	Fragrant Sumac	20	#2 pot	4-6'Ht x 8-10'w
RO/Rosa "Blushing Knockout"	Blushing Knockout Rose	6	#3 pot	3'Ht x 3'w
SP/Spirea japonica "Shibori"	Shibori Spirea	5	#3 pot	2-3'Ht x 3-4'w
SV/Syringa meyeri "Palibin"	Dwarf Korean Lilac	6	#3 pot	4-5'Ht x 5-6'w
VC/Vaccinium corymbosum	Highbush Blueberry	10	#3 pot	5-6'Ht x 3-4'w
VI/Viburnum cassinoides	Withered Viburnum	3	#2 pot	6-8'Ht x 6-8'w
<b>Groundcover</b>				
ARC/Arctostaphylos uva-ursi	Bearberry	100	#1 pot	
IC/Juniperus conferta "Blue Pacific"	Blue Pacific Juniper	80	#1 pot	
RT/Rhus aromatica "Grow Low"	Grow Low Sumac	75	#2 pot	2'Ht x 6'w
VM/Vinca minor	Vinca	50	#1 pot	

**General Notes**

- All site information represented on this plan is illustrative, and must be verified by the Contractor. Written specifications shall take precedence over representations on drawings.
- It is contractor's responsibility to become apprised of existing conditions, underground utilities, and overhead utilities. Coordination with all relevant companies or agencies, including permitting & Dig Safe, affected by this construction is contractor's responsibility. The Contractor is required to obtain any necessary permits required from local authorities for all work in this contract.
- Contractor shall be responsible for on-site safety of construction crew, and particularly of safety of pedestrians during period of construction project.
- Extreme care shall be taken not to disturb existing plant materials, except any specifically noted to be transplanted or removed. Any plant injured or destroyed shall be replaced with a plant of equal or greater size and species at the Contractor's expense.
- All unused materials, which are moveable, shall be removed from site daily, or stored in such a way as to preclude loss, vandalism, and for safety.
- All debris shall be removed, and all walks made free of obstructions, and site left in a neat, clean condition at the close of each workday.

**Planting Notes**

- The Contractor shall locate and verify all utilities prior to starting work. Hay bales shall be placed per Town regulations and shall remain in place throughout construction phase and final approvals.
- The Contractor shall supply all plant materials in quantities sufficient to complete the planting shown on all Drawings. Plant counts are for convenience only. Contractor shall use sufficient plant materials to fulfill design intent, but in no case shall contractor use fewer plants than listed.
- All material shall conform to the guidelines established by the "American Standard for Nursery Stock", published by the American Association of Nurserymen.
- Contractor shall test soil in areas to be planted and shall amend the soil as needed. All hard packed soil shall be scarified and amended as needed to promote healthy plant growth. The Contractor shall re-grade and blend new earthwork smoothly with existing contours. Fine grading must be accepted by the Owner or Owner's representative before planting begins.
- All plants shall bear the same relationship to finished grade as original grade before digging. Plants to be transported shall be dug carefully, with adequate rootballs and pruned according to ANA standard practice.
- All plants shall be balled in burlap or containerized, unless specified otherwise. No root bound container grown stock will be accepted. All plastic root wrapping and metal wire baskets shall be carefully removed at the time of planting, except that wire that is directly under the rootballs.
- All plant materials are subject to the approval of the Landscape Architect at the nursery and at the site. No unapproved substitutions will be accepted. All trees shall have a single leader unless specified otherwise.
- Location of all trees and shrubs shall be staked for the approval of the project landscape architect. Staking shall be completed prior to arrival of Landscape Architect and prior to commencement of planting. Set plants and stakes plumb. The Contractor is responsible for providing planting soil for backfilling of all plants. Submit written content analysis to Owner/Rep. for approval.
- Flood plants thoroughly once immediately after planting and twice during the first twenty-four hour period after planting. The Contractor shall maintain the plants for a minimum of 90 days following installation, or longer if approved by Owner. Before the end of the 90-day period, the Contractor shall provide a written maintenance outline to the Owners and the Contractor shall be available to answer questions or concerns at that time.
- Mulch: Contractor shall place 2" - 3" of fine shredded, aged 2 years, dark brown pine bark mulch throughout the shrub bed areas and around the base of each new tree (30" diameter mulch bed, approximately). Submit sample of mulch for approval.
- All trees and shrubs to be sprayed with anti-desiccant within twenty-four hours after planting. All broadleaf evergreen and coniferous plants shall be sprayed with an anti-desiccant the first week of November the first winter following planting.
- All plants shall be guaranteed for a minimum of 1 year from final acceptance of planting by the Owner or Landscape Architect. Plants to be replaced shall be as determined by the Landscape Architect and shall include any sickly, weak, dead, or root-bound material. The contractor shall replace such materials at his/her own expense in a timely manner, with plant material as selected/approved by the Landscape Architect.

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