



# TUXEDO FARMS

**Architectural and Landscape Design  
Guidelines**

September 16, 2022  
*(Amended June 26, 2023)*

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# Tuxedo Farms

## Design Guidelines and Requirements

### Introduction

These Design Guidelines establish the standards of the Tuxedo Farms development. They provide the minimum requirements for exterior facades, exterior landscaping, construction details, quality of products to be utilized, and will ensure a cohesive community from “The Commons”, its mixed-use center, which will then feather out to the surrounding neighborhoods. The Design Guidelines and SmartCode together will ensure that the unique vision for Tuxedo Farms is both achieved and maintained through its development.



## Architectural Style Guidelines

This section is to create the basis for the architectural style of the community and its neighborhoods. The town center of the community is “The Commons” that will have a mix of Commercial, multi-family and mixed-use buildings in a modern Tudor styling and feather out transitioning through the Residential Townhouse neighborhoods and into the Single-Family neighborhoods with a more traditional design as generally depicted in the images shown below. Portions of “Upland Park” will have multi-family buildings and will follow the design intent of “The Commons”. For purposes of the Project, the Planning Board shall serve as the Architectural Review Board unless the Town creates a separate ARB.



### **1. Modern Tudor Style**

The characteristic exterior features of the Modern Tudor style designed for “The Commons” are: the use of half-timber work with Stucco (EIFS/ Hardy Panel) infill; large groups of rectangular windows; complex steep roofs with intersecting front-facing gables, chimney treatments; and much brickwork, frequently in patterns.

### **2. Tudor Elements added for Transitioning**

This style will create a feathering from the historic town “The Commons” into the outlying neighborhoods. The use of steeper gables; vertical siding materials; and brick/stonework to accent the base of the buildings.



### 3. Additional Building Styles

These images are for the presentation of general elevation and home design style examples and all homes remain subject to and are superseded by the requirements of the Design Guidelines









Within each neighborhood of Tuxedo Farms, the home styles mentioned above shall be internally consistent, so they are complementary. However, each separate Tuxedo Farms neighborhood is permitted to have a home style that varies from other Tuxedo Farms neighborhoods

## Architectural Principles and Guidelines

While the style guidelines introduced in the previous pages provide guidance as to the range of architectural expression appropriate at Tuxedo Farms, the following set of requirements are intended to illustrate basic principles of form, composition, materials and detail.

### **1. Windows/ Doors**

- a. Windows are permitted to be single-hung or casement vinyl windows with integral grills between glass (*if provided*) to match style of home.
- b. Windows and doors located on the front façade of the structure shall include trim and/or shutters (*if provided*) to match front façade.
- c. Windows and doors located on the sides and rear of the structure are permitted to include a minimum 3 ½" 'J' channel surround, *except* at corner lots where such windows and doors shall match the application of the front façade.



### 1.1 'J' Channel Surround

- d. Windows shall use vertical proportions generally. Horizontal groups of windows shall be composed of vertically proportioned panes.



1.2 Depicts permitted window types, use of trim/shutters, and vertically proportioned panes

## 2. Garage Doors

- a. All front facing garage doors shall have transom lights in the topmost bay of the door, with integral grills between glass. Rear/ alley loaded or side-entry garage doors are permitted to be raised panel.
- b. Single 16-foot-wide doors are permitted and shall not appear as a single door, but shall mimic 2-individual garage doors with style or hardware of contrasting color, *except* rear/ alley loaded or side-entry garage doors which are permitted to be raised panel.
- c. Color selection of garage doors should be complementary to the exterior color packages, refer to [Table 1 Exterior Color Packages](#) below.



2.1 Single car garage doors with topmost bay of the door with glass panes and contrasting hardware

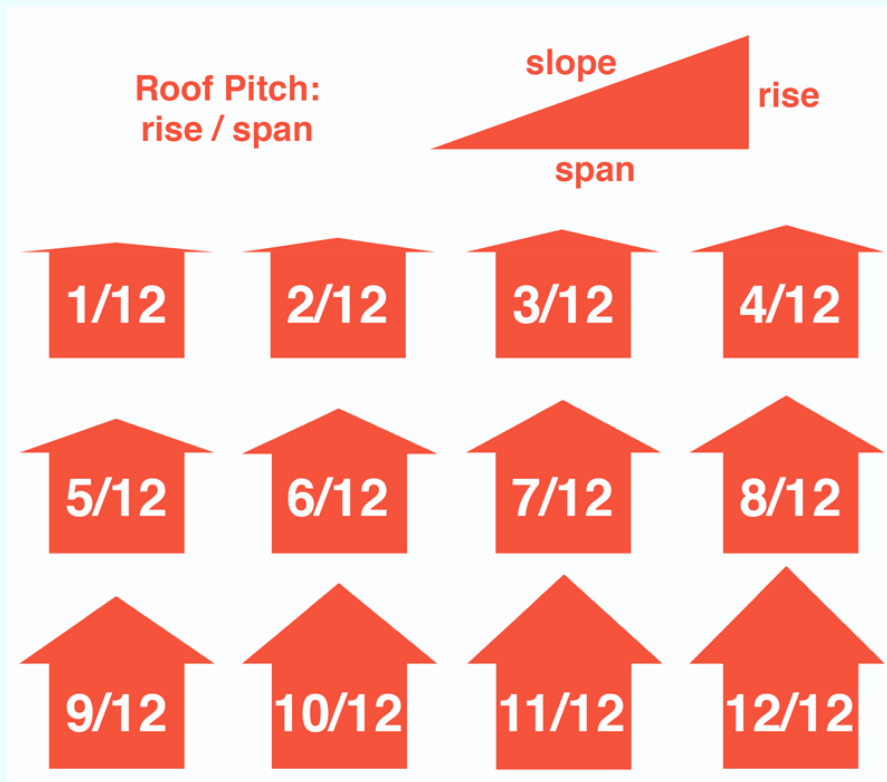


2.2 Single, 16-foot-wide garage door to mimic 2-individual doors with style and hardware

### 3. Porches

- a. Materials for stoops, porches, decks, and steps are outlined in [Table 2 Architectural Guidelines Material Chart](#).
- b. Uncovered Entry Porches shall be a minimum of 4'-0" deep
- c. Covered Porches shall be a minimum of 5'-0" deep
- d. Columns (*if provided*) shall not be less than 6-inches square with a cap and a base.
- e. Railings are required where finished grade is more than 30-inches below porch level. See [Table 2 Architectural Guidelines Material Chart](#) for approved materials.
- f. Porches and foundation piers typically have lattice or panels as infill between piers.

## 4. Roofs



4.0 Roof Pitch Diagram

### 4.1 Sloped Roofs

- Front gabled roofs (*if provided*) shall have a minimum roof pitch of 6:12 for all neighborhoods except “The Commons”.
- Primary roof structure and side gabled roofs shall have a minimum roof pitch of 4:12
- Primary roof structure and side gabled roofs within “The Commons” shall have a minimum roof pitch of 9:12
- Secondary roofs may vary in pitch and shall have a minimum roof pitch of 3:12
- Roof overhangs on front facades and gables shall be 6” minimum. Side and rear gable overhangs are permitted to be flush condition, *except* at corner lots where such side or rear gables shall have a minimum of a 6” overhang



*f-1: Roof overhang*



*f-2: Flush condition*

- f. Roof Material color shall be complementary to exterior color packages, see [Table 1 Exterior Color Packages](#) below.
- g. Roof materials permitted but not limited to (see [Table 2 Architectural Guidelines Material Chart](#) below for additional information):
  - i. Asphalt roof shingles
  - ii. Standing seam metal roofs
  - iii. Simulated slate

#### **4.2 Flat Roofs**

- a. Flat roofs are permitted for multi-family, commercial, mixed-use, civic, and amenity buildings and shall be hidden from view behind parapets.

### **5. Gutters and Downspouts**

- a. Homes are permitted to have aluminum “K” (Ogee) gutters and downspouts.

### **6. Fireplaces/ Chimneys**

- a. Direct-vent fireplaces with vinyl siding surround and shed roofs are permitted on the side and rear facades, *except* at corner lots where they are not permitted on the side façade facing the public right-of way. Such direct vent fireplaces are not permitted in “The Commons”.
- b. Full height chimneys are permitted in all neighborhoods on any façade and shall be clad in a masonry type material including brick and/or stone veneer.

## **7. Floor Heights**

### **a. Residential**

- i. Main living level of all residential homes shall have a minimum 9-foot ceiling height.
- ii. Lower or upper floors, other than the main living level, shall have a minimum 8-foot ceiling height.

### **b. Mixed-Use**

- i. Main level of all Mixed-Use buildings to be a minimum 10-foot ceiling height.
- ii. Upper floors, other than the main level, shall have a minimum of 8-foot ceiling height.

## **8. Exterior Lighting**

- a. All Lighting within the Tuxedo Farms Development shall be in accordance with the lighting standards set forth in the SmartCode, and all light fixtures shall be materially consistent with the design intent of these Architectural Style Guidelines.

## **9. Materials and Colors**














- a. Refer to [Table 1 Exterior Color Packages](#)
- b. Refer to [Table 2 Architectural Guidelines Material Chart](#) for all material specifications
- c. Wall cladding permitted (Any material substitutions permitted by Planning Board shall be equal or better than approved building materials):
  - i. Horizontal vinyl siding with a minimum 4-inch exposure and a maximum 8-inch exposure
  - ii. Vinyl shake siding
  - iii. Vinyl board and batten siding (vertical siding)
  - iv. Hardie board (fiber cement) siding

- v. Brick
  - vi. Stone veneer
  - vii. Stucco (EIFS/ Hardy Panel)
  - viii. Clapboard
- d. Masonry Veneer
- i. Manufactured stone or brick veneer is permitted.
  - ii. Masonry veneer should not be on a single-face and shall return to nearest offset wall
  - iii. Masonry veneer shall return a minimum of 2-foot on side elevations
  - iv. In the case of a side-entry, masonry veneer (*if provided*) shall return to the entry door
  - v. Masonry veneer shall not be used above lighter materials. All masonry veneer shall extend to grade, or with minimum clearances to grade as required by manufacturers specifications.
- e. Any concrete exposure at a building foundation that exceeds 3 feet shall be adequately screened by landscaping and/or a deck (if rear yard).
- f. Any home outside of “The Commons” that is directly visible at a first-floor elevation or within 300 feet of the Commons in any direction shall have colors or textures that complement the color or textures of “The Commons” buildings

**Table 1. Exterior Color Packages (Excluding “The Commons”)**














**EXTCLR13**

Storm Siding, Black Roof, Black Shutters & Door  
 (if applicable: Shakes and Board-n-Batten Glacier White, Stone Carolina Ledgestone, Brick Olde Liberty)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Storm</i>	Black/Charcoal	<b>Black</b>	<i>Glacier White</i>	Carolina Ledgestone
				
				Brick
				
				<i>Olde Liberty</i>
				

**EXTCLR14**

Platinum Gray Siding with Black Roof, Midnight Blue Shutters and Door  
 (if applicable: Shakes and Board-n-Batten Glacier White, Stone PA Lime Ledgestone, Brick Danish)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Platinum Gray</i>	Black/Charcoal	<b>Midnight Blue</b>	<i>Glacier White</i>	PA Lime Ledgestone
				
				Brick
				
				<i>Danish</i>
				
















## EXTCLR15

Glacier White Siding, Black Roof, Black Shutters and Door  
 (if applicable: Shakes and Board-n-Batten Storm, Stone PA Lime LedgeStone, Brick Silverview)

				Stone
Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	
				<a href="#">PA Lime LedgeStone</a>
<i>Glacier White</i>	Black/Charcoal	Black	<i>Storm</i>	
				Brick
				
				<a href="#">Silverview</a>
				














## EXTCLR16

Tuscan Clay Siding, Weathered Wood Roof, Musket Brown Shutters and Door  
 (if applicable: Shakes and Board-n-Batten Antique Parchment, Stone Bucks County LedgeStone, Brick Old Williamsburg)

				Stone
Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	
				<a href="#">Bucks County LedgeStone</a>
<i>Tuscan Clay</i>	Weather Wood	Musket Brown	<i>Natural Linen</i>	
				Brick
				
				<a href="#">Old Williamsburg</a>
				

## EXTCLR17

Coastal Sage Siding, Weathered Wood Roof, Musket Brown Shutters and Door  
(if applicable: Shakes and Board-n-Batten Antique Parchment, Stone Bucks County LedgeStone, Brick Olde Liberty)

				Stone
Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	
				<a href="#">Bucks County LedgeStone</a>
<i>Coastal Sage</i>	<b>Weather Wood</b>	<b>Musket Brown</b>	<i>Natural Linen</i>	
				Brick
				
				<a href="#">Olde Liberty</a>
				














## EXTCLR18

Coastal Sage Siding with Black Roof, Tuxedo Gray Shutters and Door  
(if applicable: Shakes and Board-n-Batten Platinum Gray, Stone PA Sierra Cut Stone, Brick Silverview)

				Stone
Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	
				<a href="#">PA Sierra Cut Stone</a>
<i>Coastal Sage</i>	<b>Black/Charcoal</b>	<b>Tuxedo Gray</b>	<i>Platinum Gray</i>	
				Brick
				
				<a href="#">Silverview</a>
				

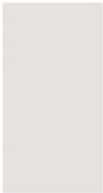












## EXTCLR19

Monterey Sand Siding, Weather Wood Roof, Black Shutters & Door  
(if applicable Shakes and Board-n-Batten Natural Linen, Stone Kentucky LedgeStone, Brick Danish)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Monterey Sand</i>	<b>Weather Wood</b>	<b>Black</b>	<i>Natural Linen</i>	<a href="#">Kentucky LedgeStone</a>
			 	
				
				<a href="#">Silverview</a> 














## EXTCLR20

Platinum Gray Siding with Black Roof, Tuxedo Gray Shutters and Door  
(if applicable: Shakes and Board-n-Batten Glacier White, Stone Carolina LedgeStone, Brick Silverview)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Platinum Gray</i>	<b>Black/Charcoal</b>	<b>Tuxedo Gray</b>	<i>Glacier White</i>	<a href="#">Carolina LedgeStone</a>
			 	
				
				<a href="#">Silverview</a> 














## EXTCLR21

Glacier White Siding with Weather Wood Roof, Midnight Blue Shutters and Door  
(if applicable: Shakes and Board-n-Batten Cape Cod Gray, Stone Carolina LedgeStone, Brick Olde Liberty)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Glacier White</i>	Weather Wood	Midnight Blue	<i>Cape Cod Gray</i>	Carolina LedgeStone 
				Brick
				
				<a href="#">Olde Liberty</a> 

## EXTCLR22

Antique Parchment Siding, Black Roof, Midnight Blue Shutters and Door  
(if applicable: Shakes and Board-n-Batten Vintage Wicker, Stone Kentucky LedgeStone, Brick Old Williamsburg)

Horizontal Siding	Roofing	Shutter/Door	Shake/Board-n-Batten	Stone
				
<i>Natural Linen</i>	Weather Wood	Midnight Blue	<i>Vintage Wicker</i>	Kentucky LedgeStone 
				Brick
				
				<a href="#">Old Williamsburg</a> 

**Table 1.1. “The Commons” Exterior Color Package**

	Roof	Base	Exterior Cladding	Windows
Heavier ↑ Look & Feel	 Simulated Slate	 Masonry Base	 Hardie Panel “Stucco”	 Vinyl Trim & Windows
↓ Lighter	 Architectural Shingle	 Siding or “Stucco” to Foundation	 Hardie Siding or Vinyl Siding	 Vinyl Trim & Windows

**Materials Palette**  
*Materials are subject to change in accordance with design guidelines, development of design, constructability, and market conditions.*

# Representative Color Palette

## Walls / Stucco

				
Natural Cream (OC-14)	Classic Gray (OC-23)	Balboa Mist (OC-27)	Gray Mist (OC-30)	Tapestry Beige (OC-32)
				
Spanish White (OC-35)	Hazy Skies (OC-48)	Celery Salt (OC-136)	Morning Dew (OC-140)	Monterrey White (HC-27)
				
Dunmore Cream (HC-29)	Putnam Ivory (HC-39)	Revere Pewter (HC-172)	Edgecomb Gray (NC-173)	Sail Cloth (OC-142)

## Trim

					
Townsend Harbor Brown (HC-64)	Hodley Red (HC-65)	Halsbrouck Brown (HC-71)	Branchport Brown (HC-72)	Alexandria Beige (HC-77)	Tapestry Beige (OC-32)
					
Bennington Gray (HC-82)	Fairview Taupe (HC-85)	Kingsport Gray (HC-86)	Northampton Putty (HC-89)	Gloucester Sage (HC-100)	Hampshire Gray (HC-101)
					
Gettysburg Gray (HC-107)	Caldwell Green (HC-124)	Stratton Blue (HC-142)	Narragansett Green (HC-157)	Knoxville Gray (HC-160)	Dixberry Gray (HC-163)
					
Chelsea Gray (HC-168)	Cottage Red (HC-184)	Tudor Brown (HC-185)			

## Window Sash and Doors

				
RAL-9004	RAL-8019	RAL-8015	RAL-7043	RAL-7039
				
RAL-7026	RAL-6012	RAL-5008		

**Table 2. Architectural Guidelines Material Chart**

<b>Architectural Guidelines Materials Chart</b>			
	<b>Materials</b>	<b>Specs</b>	<b>Details</b>
Wall Cladding	Brick	Glen Gery - Modular in size. 2-1/4" Thick, 3-5/8" Wide and 7-5/8" Long	All facades should be clad in the primary cladding material. Vertical corner trim on clapboard structures should be a minimum of 3 1/2 inches wide. Exposed J- channels are not to be used with high-quality vinyl siding.
	Stone	Environmental Stoneworks - stone veneer. minimum nom. thickness 3/4"	
	Stucco (EIFS/ Hardy Panel)	Exterior insulation with drainable backing. Minimum 1 1/2 Inches	
	Clapboard	Fibercement or vinyl with profiles. Clapboard	
	Fiber cement		
	Vinyl Siding	Alside Conquest 0.040 gauge	
	Vinyl Shakes	Pelican Bay one shakes	
	Board and Batton	Alside Board and Batton 0.050 gauge	
Roofs	Simulated Slate	minimum 1" thickness. 12x12 inch size with a 10 inch exposure	
	Asphalt or Fiberglass	GAF Timberline HD. Minimum exposure 4.5"	
	Standing Seam	double folded 24 gauge.	
Gutters	Seamless Aluminum K (Ogee) gutters	Aluminum	rainwater collections are permitted
Chimneys	Direct Vents		vinyl surrounds with dog shed roofs are permissible on rear and side facades
Porches and Decks	Concrete		
	Wood	Pressure treated	
	Composite wood		
	Stone	See Cladding	
	Brick		
Railings	Wood	Pressure treated	
	Aluminum		
	Composite wood		
	Composite		
Windows and Doors	Aluminum wood clad	MI 3500 series	Single hung, Low-E. Grilles between glass are permissible. Minimum 2 1/2 inch Casing with drywall returns
	Vinyl		
	Fiberglass		

All outlined material and color selections in this document are subject to change based on availability and market conditions. Any material substitutions will be equal or better than approved building materials.

## **Building Massing & Materials**

This section is provided to supply the building specific requirements for Tuxedo Farms.

### **1. Townhomes/Stacked Townhomes**

#### **a. Building Articulation**

- i. Horizontal offsets of not less than 2-feet at the front façade of the building may be provided at every 3<sup>rd</sup> unit to break-up the overall length of building
- ii. Building roof line is encouraged to have breaks at every 3<sup>rd</sup> unit to break-up the overall length of the roof such as a gable or other type treatment

#### **b. Building Materials**

- i. Townhome buildings shall be permitted to be of the same materials, style and color palettes. Color palettes may change per neighborhood or market conditions.
- ii. See **Table 1 Exterior Color Packages**.
- iii. Where masonry is used, 3-story stacked townhomes and 3-story townhomes shall have a masonry return on the side façade up to the second-floor line at a minimum and a minimum 25% of the depth of the side façade

### **2. Commercial/ Mixed-Use Residential and Multi-Family Buildings**

#### **a. Building Articulation**

- i. Facades of the building visible from the street shall have vertical articulation at a minimum of every 60-feet with either:
  1. A horizontal building offset of at least 1-foot
  2. Bay windows or stacked balconies that encompass at least 2-levels of the building.
- ii. Building roof line is permitted to be on a single plain but shall have visual articulation at a minimum of every 60-feet either with:



1. Turned gabled roofs
2. Dormers
3. Architectural decorative treatment

**b. Building Materials**

- i. Buildings shall be permitted to be of the same materials, style and color palettes. Color palettes may change per neighborhood or market conditions.
- ii. See **Table 1.1 “The Commons” Exterior Color Packages.**
- iii. A clear definitive masonry base of the building shall be provided in either brick, stone, or Stucco (EIFS/ Hardy Panel).

## Waivers

1. The Planning Board is hereby authorized during its site plan and/or subdivision review (unless the Town creates a separate ARB, in which case the ARB shall have the waiver authority provided in this section during its review) to grant a Waiver or Waivers to the Architectural Guidelines on a case by case basis provided the Planning Board in its capacity as Architectural Review Board finds justification for the grant of such Waiver on the following specific grounds:
    - a. the Waiver is the result of a design condition that renders it impracticable to achieve strict compliance with the Architectural Design Guidelines within the development area;
    - b. grant of the Waiver will not cause an adverse environmental impact;
    - c. grant of the Waiver will not create any nuisance or unsafe condition; and
    - d. grant of the Waiver is consistent with the design intent of the Preliminary Plan and Special Permit.
-

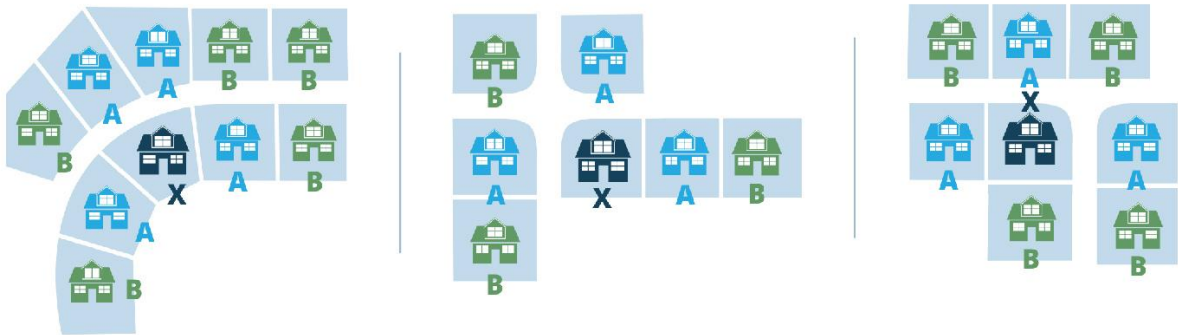
## Look-alike Standards, Single-Family Detached Lots

This section is to provide homes in the single-family neighborhoods with individual characteristics within a specific streetscape.

### 1. Proximity of similar facades for Single-Family lots

a. Refer to location lot graphic and definitions below:

The triangle region for your home, "X," includes locations with two levels of classification; A & B.



#### **A LOCATION LOTS (RELATIVE TO X):**

- Adjacent homesites
- Homesite directly across the street. If you were to draw a line perpendicular across the street from any point on the front lot lines of **X**, any homesite that these lines hit or fall within on either side of the street is considered to be an **A** location.

#### **B LOCATION LOTS (RELATIVE TO X):**

- Homesites on the same side of the street two homesites away from homesite **X**. If the adjacent homesite to **X** is a corner homesite, the homesite next to the corner and the homesite across the street from the corner homesite are not considered **B** locations since there is a road separating the homesites that would normally be considered **B** locations.
- Any homesite immediately adjacent to the **A** location homesites across the street, so long as the homesite is on the same street as the adjacent **A** location lot across the street.
- If homesite **X** is a corner homesite on the 4-way intersection, the homesite caddy corner across the intersection is a **B** location homesite.

#### **GENERAL RULES FOR HOME X:**

- Lot **X** cannot be the same or what is considered to be a similar vinyl siding color to homesites considered **A**.

#### **GENERAL RULES FOR HOME A:**

- Cannot be the same elevation.
- Cannot be the same vinyl siding color.

#### **GENERAL RULES FOR HOME B:**

- Cannot have the same vinyl siding color

# Landscape Guidelines

## Introduction

These Landscape Guidelines establish the minimum standards for the landscape treatment of external spaces within the Tuxedo Farms Development. They provide the minimum requirements for the landscaping of common areas, neighborhoods and homesites throughout the development. The overall design intent of these Landscape Guidelines is the provision of landscapes which complement the natural landscapes within the development. Detailed landscape plans shall be provided to the Planning Board for review and approval as part of the site plan review process.

### **1. General Planting Guidelines**

- a. All plant materials to be non-invasive materials. Plant materials shall be native to the Tuxedo area such that there is an opportunity to provide pollinator pathways within Tuxedo Farms. See *Table 3 Representative Sample Plant List*
- b. To the extent that there is no maximum impervious coverage requirement or restriction, any area outside of driveways, sidewalks and service walks, shall be provided as lawn or landscaped.
- c. Visual surveillance of common open space, parking areas or dwelling entries and building facades facing streets should not be obscured through landscaping.
- d. Where practicable, preserve and enhance existing site vegetation.
- e. Supplement new forest edge and meadow edge areas to encourage regrowth and protect wildlife.
- f. Use of plant material to respond to a variety of solar aspects, shading, drainage and soil conditions. See *Table 3 Representative Sample Plant List*
- g. Plant materials shall be selected and located to avoid conflicts with utilities.

- h. Deciduous trees to be planted no closer than 3' on center from the face of curb or sidewalk. Evergreen trees to be planted no closer than 6' to the face of curb or sidewalk.
- i. Existing trees and vegetation shall count towards achieving the required planting guidelines provided those existing trees and vegetation are in locations otherwise required to be planted.
- j. Plant materials shall be compatible with local environment and vegetation, and with sufficient species variety to minimize the spread of disease or infestation. See **Table 3 Representative Sample Plant List**
- k. Each home type will have 2-yard sections or realms for planting guidelines, the Front Realm being that yard area that is 45' from the back of curb adjacent to the street (in the event of no curb then from the edge of pavements); and the Rear Realm being that balance of the yard from the end of the Front Realm to the rear yard lot line.
- l. Plant material shall include the following categories: Shade Tree is a tree that at time of maturity will be approximately 50' tall; Understory Tree is a tree that at the time of maturity will be approximately 20' tall; Large Shrub shall have a mature width of approximately 5'; Foundation Plantings shall be a mix of small shrubs, perennials and grasses. Landscaping shall be permitted to have a variety of configurations based on building footprints, location of porch, deck, patio, driveway, sidewalks, service walks and environmental constraints.

## **2. Home Specific Guidelines**

- a. Townhomes (of various widths), Rear Garage Stacked Townhomes and Front Garage Stacked Townhomes
  - i. Front Realm – one Shade Tree per building, a minimum of 6FT in height and 2.5 inch in caliper, located to the side of the building, two Large Shrubs per Townhome, and two Large Shrubs per Rear and Front Stacked Townhome buildings, with supplemental Foundation Plantings added.

- ii. Rear Realm – one Understory Tree per 2 Townhomes units and two Front Garage Stacked Townhome units, Foundation Plantings in between each Townhome units and each Front Garage Stacked Townhome unit and to one side of each such buildings, with none proposed for Rear Garage Stacked Townhome units due to rear yard being dedication to fully paved parking, drive area and driveway surface area.
- b. Single Family (market rate and age restricted) and Duplex (age restricted)
- iii. Front Realm – one Shade Tree or two Understory Trees per lot, Foundation Plantings including two Large Shrubs per Single Family lot, and Duplex lots with Foundation Plantings and one Large Shrub per lot.
  - iv. Rear Realm – one Shade Tree or two Understory Trees per lot, seven Large Shrubs per Single Family lot, and six Large Shrubs per Duplex lot.
  - v. In both the Front and Rear Realm, the homeowner will be permitted to add additional landscaping subject to receipt of applicable homeowner association approval. Table 3 shall be an exhibit to the homeowner association governing documents, to provide guidance as to such landscaping material.
- c. Single Family Farm lots
- vi. Front Realm – two Shade Trees or three Understory Trees per lot, Foundation Plantings including four Large Shrubs per lot with Foundation Plantings
  - vii. Rear Realm – one Shade Tree or three Understory Trees per lot, seven Large Shrubs per Single Family lot.
  - viii. In both the Front and Rear Realm, the homeowner will be permitted to add additional landscaping subject to receipt of applicable homeowner association approval. Table 3 shall be an

exhibit to the homeowner association governing documents, to provide guidance as to such landscaping material.

**3. Stormwater Management and Biofiltration Swales**

- a. All areas seeded with “wet meadow seed mix” or equivalent
- b. Two Shade Trees or Understory Trees per 1,000 square feet
- c. Seven Large Shrubs per 1,000 square feet.
- d. These stormwater and biofiltration swale planting guidelines are to be incorporated into any SWPPP, stormwater plans and stormwater maintenance manual.

**Waivers**

- 2. The Planning Board is hereby authorized during its site plan and/or subdivision review to grant a Waiver or Waivers to the Landscape Guidelines on a case by case basis provided the Planning Board finds justification for the grant of such Waiver on the following specific grounds:
  - a. the Waiver is the result of a site condition that renders it impracticable to achieve strict compliance with the Landscape Design Guidelines within the development area;
  - b. grant of the Waiver will not cause an adverse environmental impact;
  - c. grant of the Waiver will not create any nuisance or unsafe condition; and
  - d. grant of the Waiver is consistent with the design intent of the Preliminary Plan and Special Permit.

**Table 3. Representative Sample Plant List**

## **Front Realm PLANT LIST**

### **T-ZONE 5.2-4.2**

#### **TREES - SHADE**

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory  
*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea* (C. lutea) - American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Gleditsia triacanthos* var. *inermis* 'Imperial' -  
Thornless Common Honeylocust  
*Gleditsia triacanthos* var. *inermis* 'Skycole' - Skycole Honeylocust  
*Gleditsia triacanthos* var. *inermis* 'Suncole' - Suncole Honeylocust  
*Gleditsia triacanthos* var. *inermis* 'True Shade' -  
True Shade Honeylocust  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Magnolia acuminata* - Cucumbertree Magnolia  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Quercus coccinea* - Scarlet Oak  
*Quercus palustris* - Pin Oak  
*Quercus prinus* - Chestnut Oak  
*Sassafras albidum* - Sassafras  
*Tilia americana* - Basswood  
*Tilia americana* 'Redmond' - Redmond Basswood  
*Ulmus americana* 'Heritage' - Heritage American Elm  
*Ulmus americana* 'Liberty' - Liberty American Elm  
*Ulmus americana* 'Valley Forge' - Valley Forge American Elm

#### **TREES - UNDERSTORY**

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* - Multi-Stem Allegheny Serviceberry  
*Carpinus caroliniana* - American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' - White Blooming Eastern Redbud  
*Cercis canadensis* spp. - Eastern Redbud  
*Chionanthus virginicus* - White Fringe Tree  
*Cornus florida* - Flowering Dogwood  
*Cornus florida* 'Cherokee Brave' -  
Flowering Dogwood 'Cherokee Brave'  
*Cornus florida* 'Cherokee Princess' -  
Flowering Dogwood 'Cherokee Princess'  
*Cornus florida* 'Forest Pansy' - Flowering Dogwood 'Forest Pansy'  
*Cornus* x 'Rutcan' - Constellation Dogwood  
*Cornus* x 'Rutdan' - Celestial Flowering Dogwood  
*Cornus* x 'Rutgan' - Stellar Pink Dogwood  
*Cornus* x 'Rutlan' - Ruth Ellen Dogwood  
*Crataegus viridis* 'Winter King' - Winter King Hawthorne  
*Franklinia alatamaha* - Franklin Tree  
*Magnolia virginiana* - Sweetbay Magnolia  
*Malus* 'Adams' - Adams Crabapple  
*Malus* 'Adirondack' - Adirondack Crabapple  
*Malus* 'Donald Wyman' - Sargent Crabapple  
*Malus* 'Prairiefire' - Prairiefire Crabapple  
*Malus* 'Sargentii' - Sargent Crabapple  
*Malus* 'Sugar Time' - Sugar Tyme Crabapple  
*Prunus americana* - Flowering American Plum

#### **TREES- EVERGREEN**

*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Ilex opaca* American - Holly

*Juniperus virginiana* - Burkii Burkii Red Cedar  
*Picea glauca* - White Spruce  
*Pinus virginiana* - Virginia Pine

#### **SHRUBS**

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Arctostaphylos uva-ursi* - Bearberry  
*Calycanthus floridus* - Carolina Allspice  
*Cephalanthus occidentalis* - Buttonbush  
*Clethra alnifolia* - Summersweet  
*Cornus alba* 'Red Gnome' - Tartarian Dogwood  
*Cornus alternifolia* - Pagoda Dogwood  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Cornus stolonifera* (C. sericea) spp. - Red-Osier Dogwood  
*Corylus americana* - American Filbert  
*Cotoneaster adpressus* spp. - Cotoneaster  
*Deutzia gracilis* spp. Nikko - Slender Deutzia  
*Deutzia scabra* spp. - Fuzzy Deutzia  
*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Forsythia viridissima* 'Bronxensis' - Bronxensis Forsythia  
*Fothergilla gardenii* spp. - Dwarf Fothergilla  
*Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Hydrangea arborescens* spp. - Smooth Hydrangea  
*Hydrangea quercifolia* spp. - Oak Leaf Hydrangea  
*Hypericum frondosum* spp. - Golden St. John's Wort  
*Hypericum* 'Hidcote' - Hidcote Hypericum  
*Hypericum kalmianum* spp. - Kalm Hypericum  
*Hypericum prolificum* spp. - Shrubby St. John' Wort  
*Ilex glabra* spp. - Inkberry  
*Ilex verticillata* 'Afterglow' - Winterberry Holly  
*Ilex verticillata* 'Southern Gentleman' - Winterberry Holly  
*Ilex verticillata* 'Jim Dandy' - Winterberry Holly  
*Ilex verticillata* 'Sparkleberry' - Winterberry Holly  
*Itea virginica* - Virginia Sweetspire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Leucothoe fontanesiana* - Drooping Leucothoe  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Potentilla fruticosa* - Shrubby Cinquefoil  
*Rhododendron calendulaceum* - Flame Azalea  
*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* - Rosebay Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron* PJM - PJM Rhododendron  
*Rhododendron prinophyllum* (R. roseum) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea  
*Rhus aromatica* spp. - Fragrant Sumac  
*Rhus glabra* - Smooth Sumac  
*Rosa carolina* - Carolina Rose, Pasture Rose  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Rosa rugosa* 'Dwarf Pavement' - Dwarf Pavement Rose  
*Rose virginiana* - Virginia Rose  
*Sambucus racemosa* var. *pubens* -  
Red Elderberry / Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Spiraea tomentosa* - Steeplebush (Hardhack)  
*Spiraea latifolia* (alba) - Meadowsweet  
*Symphoricarpos albus* - Common snowberry  
*Symphoricarpos* x *chenaultii* 'Hancock' -

# Front Realm PLANT LIST

## T-ZONE 5.2-4.2 (CONT.)

*Teucrium canadensis* - American Germander  
*Vaccinium angustifolium* - Lowbush Blueberry  
*Vaccinium corymbosum* - Highbush Blueberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum  
*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Agrostis alba* - Redtop  
*Agrostis scabra* - Ticklegrass  
*Andropogon saccharoides* - Silver Beard Grass  
*Andropogon virginicus* - Broom Sedge  
*Calamagrostis canadensis* - Bluejoint Grass  
*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-Leafed Sedge  
*Chasmanthium latifolium* - Northern Sea Oats  
*Deschampsia cespitosa* - Tufted Hairgrass  
*Elymus canadensis* - Canada Wild Rye  
*Elymus glaucus* - Blue Wild Rye  
*Elymus virginicus* - Virginia Wild Rye  
*Juncus effusus* - Common Rush  
*Juncus effusus var. pylaei* - Soft Rush  
*Panicum virgatum* - Switchgrass  
*Schizachyrium scoparium* - Little Bluestem  
*Scirpus cyperinus* - Woolgrass  
*Sorghastrum nutans* - Indian Grass  
*Sporobolus heterolepis* - Prairie Dropseed

### HERBACEOUS: PERENNIALS, VINES, FERNs and MOSSES

*Achillea millefolium* spp. - Yarrow  
*Adiantum pedatum* - Maidenhair Fern  
*Agastache cana* - Mosquito Plant  
*Anemone canadensis* - Meadow Anemone  
*Aquilegia canadensis* - Canadian Columbine  
*Asarum canadense* - Wild Ginger  
*Asclepias incarnata* - Swamp Milkweed, Red Milkweed  
*Asclepias tuberosa* - Butterfly Weed  
*Aster divaricatus* - White Wood Aster  
*Aster laevis* - Smooth Aster  
*Aster novae-angliae* - New England Aster  
*Aster novi-belgii* - New York Aster  
*Athyrium filix-femina* - Lady Fern  
*Baptisia sphaerocarpa* - Yellow Indigo  
*Brachythecium oxycladon* - Cedar Moss  
*Campsis radicans* - Trumpet Vine  
*Chelone glabra* - Turtlehead  
*Cimicifuga racemosa* - Bugbane  
*Clematis virginiana* - Clematis  
*Coreopsis auriculata* - Mouse-Ear Coreopsis  
*Coreopsis grandiflora* - Common Tickseed  
*Coreopsis verticillata* - Tickseed  
*Cornus canadensis* - Bunchberry  
*Chrysogonum virginianum* - Green and Gold  
*Delphinium exaltum* - Tall Larkspur  
*Delphinium tricorne* - Dwarf Larkspur  
*Dennstaedtia punctilobula* - Hay-Scented Fern  
*Dicentra eximia* - Fringed Bleeding Heart  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss

*Dryopteris marginalis* - Marginal Shield Fern  
*Echinacea purpurea* - Purple Cone Flower  
*Erythronium americanum* - Yellow Trout Lily  
*Eupatorium purpureum* - Joe-Pye Weed  
*Gaultheria procumbens* - Creeping Wintergreen  
*Geranium maculatum* - Cranesbill  
*Heuchera* spp. - Coral Bells  
*Hibiscus moscheutos* spp. - Marsh Hibiscus  
*Iris cristata* - Slender Blue Flag  
*Iris versicolor* - Blue Flag Iris  
*Jeffersonia diphylla* - Twinleaf  
*Liatriis spicata* - Gayfeather  
*Lobelia siphilitica* - Giant blue Lobelia  
*Lonicera sempervirens* - Scarlet Honeysuckle  
*Mertensia virginica* - Virginia bluebells  
*Mitchella repens* - Partridgeberry  
*Mitella diphylla* - Bishop's Cap  
*Monarda didyma* - Beebalm  
*Monarda fistulosa* - Wild Bergamot  
*Oenothera fruticosa* - Sundrops  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon fern  
*Osmunda regalis var. spectabilis* - American Royal Fern  
*Pachysandra procumbens* - Allegheny Spurge  
*Parthenocissus quinquefolia* - Virginia Creeper  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Penstemon digitalis* - Beardtounge  
*Phlox divaricata* - Canadian, Woodland Phlox  
*Phlox maculata* - Meadow Phlox  
*Phlox stolonifera* - Creeping Phlox  
*Phlox subulata* - Mountain Pinks  
*Physostegia virginiana* - Obedient Plant  
*Podophyllum peltatum* - Mayapple  
*Polygonatum biflorum* - Solomon's Seal  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Potentilla simplex* - Old Field Cinquefoil  
*Rudbeckia fulgida* - Orange Coneflower  
*Similacina racemosa* - False Soloman's Seal  
*Solidago cutleri* - Goldenrod  
*Thalictrum thalictroides* - Rue Anemone  
*Thelypteris noveboracensis* - New York Fern  
*Vernonia noveboracensis* - Common ironweed  
*Viola labradorica* - Labrador Violet  
*Viola pedata* - Bird's Foot Viola  
*Waldesteinia fragarioides* - Barren Strawberry

### SEED MIXES

Approved lawn mix for mown areas:  
 40% *Festuca arundinacea* 'Shenandoah II' -  
     Shenandoah II Tall Fescue  
 40% *Festuca arundinacea* 'Finelawn Elite' -  
     Finelawn Tall Fescue  
 10% *Lolium perenne* 'Wizard' - Wizard Perennial Ryegrass  
 10% *Lolium perenne* 'Pennant II' -  
     Pennant II Perennial Ryegrass

### SPRING FLOWERING BULBS

*Allium* hybrids - Flowering Onion  
*Anemone blanda* - Grecian Windflower, Anemone  
*Convallaria majalis* - Lily of the Valley - (all varieties)  
*Crocus vernus* - Crocus hybrids - (all varieties)  
*Daffodil* spp. - Trumpet Daffodils  
*Hyacinth* spp. - Hyacinth hybrids - (all varieties)  
*Scilla campanulata* - Spanish Bluebell  
*Tulipa fosteriana* - Species Tulip  
*Tulipa greigii* - Species Tulip  
*Tulipa kaufmanniana* - Species Tulip



# Front Realm PLANT LIST

## T-ZONE 5.2-4.2 (CONT.)

*Tulipa speciosa* - Botanical (Species) Tulip  
*Tulipa spp.* - Tulip Hybrids - (all varieties)

### FALL FLOWERING BULBS

*Colchicum spp.* - Meadow Saffron  
*Cyclamen coum spp.* - Hardy Cyclamen

### EXOTIC ORNAMENTALS

*Anemone spp.* - Windflower  
*Astilbe spp.* - Plume Flower  
*Bergenia spp.* - Pig Squeak  
*Campanula spp.* - Bellflower  
*Caryopteris x clandonensis spp.* -  
Blue Mist Shrub, Blue Spirea  
*Dianthus spp.* - (excluding armeria) Pinks  
*Dicentra spp.* - Bleeding Heart  
*Galium odoratum* - Sweet Woodruff  
*Geranium spp.* - Cranesbill  
*Helleborus spp.* - Lenten Rose, Christmas Rose  
*Hemerocallis spp.* - (excluding fulva) Daylily  
*Heuchera spp.* - Coral Bells  
*Lavendula spp.* - Lavandin/Lavender  
*Leucanthemum spp.* - Shasta Daisy  
*Liriope spp.* - Lillyturf  
*Paeonia spp.* - Peony  
*Perovskia spp.* - Russian Sage  
*Salvia spp.* - Meadow Sage  
*Sedum spp.* - Stonecrop  
*Thymus spp.* - Thyme  
*Viola spp.* - Violet  
*Waldesteinia fragarioides* - Barren Strawberry

# Front Realm PLANT LIST

## T-ZONE 4.1-3.2

### TREES - SHADE

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Betula allegheniensis* - Yellow Birch  
*Betula lenta* - Black Birch, Sweet Birch  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory  
*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea* - (*C. lutea*) American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Gleditsia triacanthos var. inermis* 'Imperial' -  
Thornless Common Honeylocust  
*Gleditsia triacanthos var. inermis* 'Skycole' -  
Skycole Honeylocust  
*Gleditsia triacanthos var. inermis* 'Suncole' -  
Suncole Honeylocust  
*Gleditsia triacanthos var. inermis* 'True Shade' -  
True Shade Honeylocust  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Magnolia acuminata* - Cucumbertree Magnolia  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Platanus occidentalis* - American Sycamore  
*Platanus x acerifolia* 'Bloodgood' -  
Bloodgood London Planetree  
*Platanus x acerifolia* 'Liberty' - Liberty London Planetree

*Quercus alba* - White Oak  
*Quercus borealis (Quercus Rubra)* - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus macrocarpa* - Bur Oak  
*Quercus palustris* - Pin Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* Chestnut Oak  
*Quercus velutina* - Black Oak  
*Sassafras albidum* - Sassafras  
*Taxodium distichum* 'Shawnee Brave' - Bald Cypress  
*Tilia americana* - Basswood  
*Tilia americana* 'Redmond' - Redmond Basswood  
*Ulmus Americana* 'Heritage' - Heritage American Elm  
*Ulmus Americana* 'Liberty' - Liberty American Elm  
*Ulmus Americana* 'Valley Forge' -  
Valley Forge American Elm

### TREES - UNDERSTORY

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* - MS -  
Multi-Stem Allegheny Serviceberry  
*Carpinus caroliniana* American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' White Redbud  
*Cercis canadensis spp.* Eastern Redbud  
*Chionanthus virginicus* White Fringe Tree  
*Cornus florida* 'Cherokee Brave' -  
Flowering Dogwood 'Cherokee Brave'  
*Cornus florida* 'Forest Pansy' -  
Flowering Dogwood 'Forest Pansy'  
*Cornus x 'Rutgan'* - Stellar Pink Dogwood  
*Crataegus viridis* 'Winter King' -  
Winter King Hawthorne  
*Franklinia alatamaha* - Franklin Tree  
*Magnolia virginiana* - Sweetbay Magnolia  
*Malus 'Adams'* - Adams Crabapple  
*Malus 'Adirondack'* - Adirondack Crabapple  
*Malus 'Prariefire'* - Prariefire Crabapple

### TREES- EVERGREEN

*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Picea glauca* - White Spruce

### SHRUBS

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Alnus serrulata* - Brook-side Alder  
*Arctostaphylos uva-ursi* - Bearberry  
*Baccharis halimifolia* - Groundsel Tree  
*Calycanthus floridus* - Carolina Allspice  
*Cephalanthus occidentalis* - Buttonbush  
*Clethra alnifolia* - Summersweet  
*Cornus alba* 'Red Gnome' - Tartarian Dogwood  
*Cornus alternifolia* - Pagoda Dogwood  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Cornus foemina racemosa muskingum* -  
Gray-Twigged Dogwood  
*Cornus stolonifera (C. sericea) spp.* -  
Red-Osier Dogwood  
*Corylus americana* - American Filbert  
*Cotoneaster adpressus spp.* - Cotoneaster  
*Deutzia gracilis spp.* - Nikko Slender deutzia  
*Deutzia scabra spp.* - Fuzzy Deutzia

# Front Realm PLANT LIST

## T-ZONE 4.1-3.2 (CONT.)

*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Forsythia viridissima* 'Bronxensis' -  
Bronxensis Forsythia  
*Fothergilla gardeni* *Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Hydrangea arborescens* spp. - Smooth Hydrangea  
*Hydrangea quercifolia* spp. - Oak Leaf Hydrangea  
*Hypericum frondosum* spp. - Golden St. John's Wort  
*Hypericum* 'Hidcote' - Hidcote Hypericum  
*Hypericum kalmianum* spp. - Kalm Hypericum  
*Hypericum prolificum* spp. - Shrubby St. John's Wort  
*Ilex glabra* spp. - Inkberry  
*Ilex verticillata* 'Afterglow' - Winterberry Holly  
*Ilex verticillata* 'Southern Gentleman' - Winterberry Holly  
*Ilex verticillata* 'Jim Dandy' - Winterberry Holly  
*Ilex verticillata* 'Sparkleberry' - Winterberry Holly  
*Itea virginica* - Virginia Sweetpire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Leucothoe fontanesiana* - Drooping Leucothoe  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Potentilla fruticosa* - Shrubby Cinquefoil  
*Rhododendron calendulaceum* - Flame Azalea  
*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* - Rosebay Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron* PJM - PJM Rhododendron  
*Rhododendron prinophyllum* (R. roseum) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea  
*Rhus aromatica* spp. - Fragrant Sumac  
*Rhus glabra* - Smooth Sumac  
*Rosa carolina* - Carolina Rose, Pasture Rose  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Rosa palustris* - Swamp Wild Rose  
*Rosa rugosa* 'Dwarf Pavement' - Dwarf Pavement Rose  
*Rose virginiana* - Virginia Rose  
*Sambucus racemosa* var. *pubens* - Red Elderberry / Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Spiraea tomentosa* - Steeplebush (Hardhack)  
*Spiraea latifolia* (alba) - Meadowsweet  
*Symphoricarpos albus* - Common snowberry  
*Symphoricarpos orbiculatus* - Coralberry  
*Symphoricarpos x chenaultii* 'Hancock' - Hancock Coral Berry  
*Teucrium canadensis* - American Germander  
*Vaccinium angustifolium* - Lowbush Blueberry  
*Vaccinium corymbosum* - Highbush Blueberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum  
*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Agrostis alba* - Redtop  
*Agrostis scabra* - Ticklegrass  
*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-leafed Sedge  
*Chasmanthium latifolium* - Northern Sea Oats  
*Deschampsia cespitosa* - Tufted Hairgrass

*Elymus glaucus* - Blue Wild Rye  
*Panicum virgatum* - Switchgrass  
*Sporobolus heterolepis* - Prairie Dropseed

### HERBACEOUS: PERENNIALS, VINES, FERNS and MOSSES

*Achillea millefolium* spp. - Yarrow  
*Adiantum pedatum* - Maidenhair Fern  
*Agastache cana* - Mosquito Plant  
*Anemone canadensis* - Meadow Anemone  
*Aquilegia canadensis* - Canadian Columbine  
*Asarum Canadense* - Wild Ginger  
*Asclepias incarnata* - Swamp Milkweed, Red Milkweed  
*Asclepias tuberosa* - Butterfly Weed  
*Aster divaricatus* - White Wood Aster  
*Aster laevis* - Smooth Aster  
*Aster novae-angliae* - New England Aster  
*Aster novi-belgii* - New York Aster  
*Athyrium filix-femina* - Lady Fern  
*Baptisia australis* - Blue False Indigo  
*Baptisia sphaerocarpa* - Yellow Indigo  
*Brachythecium oxycladon* - Cedar Moss  
*Campsis radicans* - Trumpet Vine  
*Chelone glabra* - Turtlehead  
*Chrysogonum virginianum* - Green and Gold  
*Cimicifuga racemosa* - Bugbane  
*Clematis virginiana* - Clematis  
*Coreopsis auriculata* - Mouse-Ear Coreopsis  
*Coreopsis grandiflora* - Common Tickseed  
*Coreopsis verticillata* - Tickseed  
*Delphinium exaltum* - Tall Larkspur  
*Delphinium tricorne* - Dwarf Larkspur  
*Dennstaedtia punctilobula* - Hay-Scented Fern  
*Dicentra eximia* - Fringed Bleeding Heart  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss  
*Dryopteris marginalis* - Marginal Shield Fern  
*Echinacea purpurea* - Purple Cone Flower  
*Erythronium americanum* - Yellow Trout Lily  
*Eupatorium purpureum* - Joe-Pye Weed  
*Gaultheria procumbens* - Creeping Wintergreen  
*Geranium maculatum* - Cranesbill  
*Heuchera* spp. - Coral Bells  
*Hibiscus moscheutos* spp. - Marsh Hibiscus  
*Iris cristata* - Slender Blue Flag  
*Iris versicolor* - Blue Flag Iris  
*Jeffersonia diphylla* - Twinleaf  
*Liatris spicata* - Gayfeather  
*Lobelia siphilitica* - Giant Blue Lobelia  
*Lonicera sempervirens* - Scarlet Honeysuckle  
*Mitchella repens* - Partridgeberry  
*Mitella diphylla* - Bishop's Cap  
*Monarda didyma* - Beebalm  
*Monarda fistulosa* - Wild Bergamot  
*Oenothera fruticosa* - Sundrops  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon Fern  
*Osmunda regalis* var. *spectabilis* - American Royal Fern  
*Pachysandra procumbens* - Allegheny Spurge  
*Parthenocissus quinquefolia* - Virginia Creeper  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Penstemon digitalis* - Beardtounge

# Front Realm PLANT LIST

## T-ZONE 4.1-3.2 (CONT.)

*Phlox divaricata* - Canadian, Woodland Phlox  
*Phlox maculata* - Meadow Phlox  
*Phlox stolonifera* - Creeping Phlox  
*Phlox subulata* - Mountain Pinks  
*Physostegia virginiana* - Obedient Plant  
*Polygonatum biflorum* - Solomon's Seal  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Potentilla simplex* - Old Field Cinquefoil  
*Rudbeckia fulgida* - Orange Coneflower  
*Similacina racemosa* - False Solomon's Seal  
*Solidago cutleri* - Goldenrod  
*Thalictrum thalictroides* - Rue Anemone  
*Thelypteris noveboracensis* - New York Fern  
*Vernonia noveboracensis* Common ironweed  
*Viola labradorica* Labrador Violet  
*Viola pedata* Bird's Foot Viola  
*Waldesteinia fragarioides* - Barren Strawberry

### SEED MIXES

Approved lawn mix for mown areas:

- 40% *Festuca arundinacea* 'Shenandoah II' - Shenandoah II Tall Fescue
- 40% *Festuca arundinacea* 'Finelawn Elite' - Finelawn Tall Fescue
- 10% *Lolium perenne* 'Wizard' - Wizard Perennial Ryegrass
- 10% *Lolium perenne* 'Pennant II' - Pennant II Perennial Ryegrass

### SPRING FLOWERING BULBS

*Allium hybrids* - Flowering Onion  
*Anemone blanda* - Grecian Windflower, Anemone  
*Convallaria majalis* - Lily of the Valley - all varieties  
*Crocus vernus* - Crocus hybrids - all varieties  
*Daffodil spp.* - Trumpet Daffodils  
*Hyacinth spp.* - Hyacinth hybrids - all varieties  
*Scilla campanulata* - Spanish Bluebell  
*Tulipa fosteriana* - Species Tulip  
*Tulipa greigii species* - Tulip  
*Tulipa kaufmanniana species* - Tulip  
*Tulipa speciosa* - Botanical (Species) Tulip  
*Tulipa spp.* - Tulip Hybrids - all varieties

### FALL FLOWERING BULBS

*Colchicum spp.* - Meadow Saffron  
*Cyclamen coum spp.* - Hardy Cyclamen

# Front Realm PLANT LIST

## T-ZONE 3.1

### TREES - SHADE

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Betula allegheniensis* - Yellow Birch  
*Betula lenta* - Black Birch, Sweet Birch  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory  
*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea* (C. lutea) - American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Gleditsia triacanthos var. inermis* 'Imperial' - Thornless Common Honeylocust

*Gleditsia triacanthos var. inermis* 'Skycole' - Skycole Honeylocust  
*Gleditsia triacanthos var. inermis* 'Suncole' - Suncole Honeylocust  
*Gleditsia triacanthos var. inermis* 'True Shade' - True Shade Honeylocust  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Magnolia acuminata* - Cucumber tree Magnolia  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Platanus occidentalis* - American Sycamore  
*Platanus x acerifolia* 'Bloodgood' - Bloodgood London Planetree  
*Platanus x acerifolia* 'Liberty' - Liberty London Planetree  
*Quercus alba* - White Oak  
*Quercus borealis (Quercus Rubra)* - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus macrocarpa* - Bur Oak  
*Quercus palustris* - Pin Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* - Chestnut Oak  
*Quercus velutina* - Black Oak  
*Sassafras albidum* - Sassafras  
*Taxodium distichum* 'Shawnee Brave' - Bald Cypress  
*Tilia americana* - Basswood  
*Tilia americana* 'Redmond' - Redmond Basswood  
*Ulmus Americana* 'Heritage' - Heritage American Elm  
*Ulmus Americana* 'Liberty' - Liberty American Elm  
*Ulmus Americana* 'Valley Forge' - Valley Forge American Elm

### TREES - UNDERSTORY

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* MS - Multi-Stem Allegheny Serviceberry  
*Carpinus caroliniana* - American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' - White Redbud  
*Cercis canadensis spp.* - Eastern Redbud  
*Chionanthus virginicus* - White Fringe Tree  
*Cornus florida* 'Cherokee Brave' - Flowering Dogwood 'Cherokee Brave'  
*Cornus florida* 'Forest Pansy' - Flowering Dogwood 'Forest Pansy'  
*Cornus x 'Rutgan'* - Stellar Pink Dogwood  
*Crataegus viridis* 'Winter King' - Winter King Hawthorne  
*Franklinia alatamaha* - Franklin Tree  
*Magnolia virginiana* - Sweetbay Magnolia  
*Malus 'Adams'* - Adams Crabapple  
*Malus 'Adirondack'* - Adirondack Crabapple  
*Malus 'Prariefire'* - Prariefire Crabapple

### TREES- EVERGREEN

*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Picea glauca* - White Spruce

### SHRUBS

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Alnus serrulata* - Brook-side Alder  
*Arctostaphylos uva-ursi* - Bearberry  
*Baccharis halimifolia* - Groundsel Tree  
*Calycanthus floridus* - Carolina Allspice  
*Cephalanthus occidentalis* - Buttonbush

# Front Realm PLANT LIST

## T-ZONE 3.1 (CONT.)

*Clethra alnifolia* - Summersweet  
*Cornus alba* 'Red Gnome' - Tartarian Dogwood  
*Cornus alternifolia* - Pagoda Dogwood  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Cornus canadensis* - Bunchberry  
*Cornus foemina racemosa muskingum* -  
Gray-Twigged Dogwood  
*Cornus stolonifera* (*C. sericea*) spp. - Red-Osier Dogwood  
*Corylus americana* - American Filbert  
*Cotoneaster adpressus* spp. - Cotoneaster  
*Deutzia gracilis* spp. - Nikko Slender Deutzia  
*Deutzia scabra* spp. - Fuzzy Deutzia  
*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Forsythia viridissima* 'Bronxensis' - Bronxensis Forsythia  
*Fothergilla gardenii* spp. - Dwarf Fothergilla  
*Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Hydrangea arborescens* spp. - Smooth Hydrangea  
*Hydrangea quercifolia* spp. - Oak Leaf Hydrangea  
*Hypericum frondosum* spp. - Golden St. John's Wort  
*Hypericum* 'Hidcote' - Hidcote Hypericum  
*Hypericum kalmianum* spp. - Kalm Hypericum  
*Hypericum prolificum* spp. - Shrubby St. John's Wort  
*Ilex glabra* spp. - Inkberry  
*Ilex verticillata* 'Afterglow' - Winterberry Holly  
*Ilex verticillata* 'Southern Gentleman' - Winterberry Holly  
*Ilex verticillata* 'Jim Dandy' - Winterberry Holly  
*Ilex verticillata* 'Sparkleberry' - Winterberry Holly  
*Itea virginica* - Virginia Sweetpire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Leucothoe fontanesiana* - Drooping Leucothoe  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Potentilla fruticosa* - Shrubby Cinquefoil  
*Rhododendron calendulaceum* - Flame Azalea  
*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* - Rosebay Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron* PJM - PJM Rhododendron  
*Rhododendron prinophyllum* (*R. roseum*) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea  
*Rhus aromatica* spp. - Fragrant Sumac  
*Rhus glabra* - Smooth Sumac  
*Rosa carolina* - Carolina Rose, Pasture Rose  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Rosa palustris* - Swamp Wild Rose  
*Rosa rugosa* 'Dwarf Pavement' - Dwarf Pavement Rose  
*Rose virginiana* - Virginia Rose  
*Sambucus racemosa* var. *pubens* -  
Red Elderberry /Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Spiraea tomentosa* - Steeplebush (Hardhack)  
*Spiraea latifolia* (*alba*) - Meadowsweet  
*Symphoricarpos albus* - Common Snowberry  
*Symphoricarpos orbiculatus* - Coralberry  
*Symphoricarpos x chenaultii* 'Hancock' - Hancock Coral Berry  
*Teucrium canadensis* - American Germander  
*Vaccinium angustifolium* - Lowbush Blueberry  
*Vaccinium corymbosum* - Highbush Blueberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum

*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Agrostis alba* - Redtop  
*Agrostis scabra* - Ticklegrass  
*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-leaved Sedge  
*Chasmanthium latifolium* - Northern Sea Oats  
*Deschampsia cespitosa* - Tufted Hairgrass  
*Elymus glaucus* - Blue Wild Rye  
*Panicum virgatum* - Switchgrass  
*Sporobolus heterolepis* - Prairie Dropseed

### HERBACEOUS: PERENNIALS, VINES, FERNS and MOSSES

*Achillea millefolium* spp. - Yarrow  
*Adiantum pedatum* - Maidenhair Fern  
*Anemone canadensis* - Meadow Anemone  
*Agastache cana* - Mosquito Plant  
*Aquilegia canadensis* - Canadian Columbine  
*Asarum Canadense* - Wild Ginger  
*Asclepias incarnata* - Swamp Milkweed, Red Milkweed  
*Asclepias tuberosa* - Butterfly Weed  
*Aster divaricatus* - White Wood Aster  
*Aster laevis* - Smooth Aster  
*Aster novae-angliae* - New England Aster  
*Aster novi-belgii* - New York Aster  
*Athyrium filix-femina* - Lady Fern  
*Baptisia australis* - Blue False Indigo  
*Baptisia sphaerocarpa* - Yellow Indigo  
*Brachythecium oxycladon* - Cedar Moss  
*Campsis radicans* - Trumpet Vine  
*Chelone glabra* - Turtlehead  
*Chrysogonum virginianum* - Green and Gold  
*Cimicifuga racemosa* - Bugbane  
*Clematis virginiana* - Clematis  
*Coreopsis auriculata* - Mouse-Ear Coreopsis  
*Coreopsis grandiflora* - Common Tickseed  
*Coreopsis verticillata* - Tickseed  
*Delphinium exaltum* - Tall Larkspur  
*Delphinium tricorne* - Dwarf Larkspur  
*Dennstaedtia punctilobula* - Hay-Scented Fern  
*Dicentra eximia* - Fringed Bleeding Heart  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss  
*Dryopteris marginalis* - Marginal Shield Fern  
*Echinacea purpurea* - Purple Cone Flower  
*Erythronium americanum* - Yellow Trout Lily  
*Eupatorium purpureum* - Joe-Pye Weed  
*Gaultheria procumbens* - Creeping Wintergreen  
*Geranium maculatum* - Cranesbill  
*Heuchera* spp. - Coral Bells  
*Hibiscus moscheutos* spp. - Marsh Hibiscus  
*Iris cristata* - Slender Blue Flag  
*Iris versicolor* - Blue Flag Iris  
*Jeffersonia diphylla* - Twinleaf  
*Liatris spicata* - Gayfeather  
*Lobelia siphilitica* - Giant Blue Lobelia  
*Lonicera sempervirens* - Scarlet Honeysuckle  
*Mitchella repens* - Partridgeberry  
*Mitella diphylla* - Bishop's Cap  
*Monarda didyma* - Beebalm

## Front Realm PLANT LIST T-ZONE 3.1 (CONT.)

*Monarda fistulosa* - Wild Bergamot  
*Oenothera fruticosa* - Sundrops  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon Fern  
*Osmunda regalis var. spectabilis* - American Royal Fern  
*Pachysandra procumbens* - Allegheny Spurge  
*Parthenocissus quinquefolia* - Virginia Creeper  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Penstemon digitalis* - Beardtounge  
*Phlox divaricata* - Canadian, Woodland Phlox  
*Phlox maculata* - Meadow Phlox  
*Phlox stolonifera* - Creeping Phlox  
*Phlox subulata* - Mountain Pinks  
*Physostegia virginiana* - Obedient Plant  
*Podophyllum peltatum* - Mayapple  
*Polygonatum biflorum* - Solomon's Seal  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Potentilla simplex* - Old Field Cinquefoil  
*Rudbeckia fulgida* - Orange Coneflower  
*Similacina racemosa* - False Solomon's Seal  
*Solidago cutleri* - Goldenrod  
*Thalictrum thalictroides* - Rue Anemone  
*Thelypteris noveboracensis* - New York Fern  
*Vernonia noveboracensis* - Common Ironweed  
*Viola labradorica* - Labrador Violet  
*Viola pedata* - Bird's Foot Viola  
*Waldesteinia fragarioides* - Barren Strawberry

### SEED MIXES

Approved lawn mix for mown areas:  
40% *Festuca arundinacea* 'Shenandoah II' -  
Shenandoah II Tall Fescue  
40% *Festuca arundinacea* 'Finelawn Elite' -  
Finelawn Tall Fescue  
10% *Lolium perenne* 'Wizard' - Wizard Perennial Ryegrass  
10% *Lolium perenne* 'Pennant II' -  
Pennant II Perennial Ryegrass

### SPRING FLOWERING BULBS

*Allium hybrids* - Flowering Onion  
*Anemone blanda* - Grecian Windflower, Anemone  
*Convallaria majalis* - Lily of the Valley - all varieties  
*Crocus vernus* - Crocus hybrids - all varieties  
*Daffodil spp.* - Trumpet Daffodils  
*Hyacinth spp.* - Hyacinth hybrids - all varieties  
*Scilla campanulata* - Spanish Bluebell  
*Tulipa fosteriana species* - Tulip  
*Tulipa greigii species* - Tulip  
*Tulipa kaufmanniana species* - Tulip  
*Tulipa speciosa* - Botanical (Species) Tulip  
*Tulipa spp.* - Tulip Hybrids - (all varieties)

### FALL FLOWERING BULBS

*Colchicum spp.* - Meadow Saffron  
*Cyclamen coum spp.* - Hardy Cyclamen

### TREES - SHADE

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Betula allegheniensis* - Yellow Birch  
*Betula lenta* - Black Birch, Sweet Birch  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory

## Rear Realm PLANT LIST ALL T-ZONES

*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea (C. lutea)* - American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Gleditsia triacanthos var. inermis* 'Imperial' -  
Thornless Common Honeylocust  
*Gleditsia triacanthos var. inermis* 'Skycole' -  
Skycole Honeylocust  
*Gleditsia triacanthos var. inermis* 'Suncole' -  
Suncole Honeylocust  
*Gleditsia triacanthos var. inermis* 'True Shade' -  
True Shade Honeylocust  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Magnolia acuminata* - Cucumbertree Magnolia  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Platanus occidentalis* - American Sycamore  
*Platanus x acerifolia* 'Bloodgood' -  
Bloodgood London Planetree  
*Platanus x acerifolia* 'Liberty' - Liberty London Planetree  
*Quercus alba* - White Oak  
*Quercus borealis (Quercus Rubra)* - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus macrocarpa* - Bur Oak  
*Quercus palustris* - Pin Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* - Chestnut Oak  
*Quercus velutina* - Black Oak  
*Sassafras albidum* - Sassafras  
*Taxodium distichum* 'Shawnee Brave' - Bald Cypress  
*Tilia americana* - Basswood  
*Tilia americana* 'Redmond' - Redmond Basswood  
*Ulmus Americana* 'Heritage' - Heritage American Elm  
*Ulmus Americana* 'Liberty' - Liberty American Elm  
*Ulmus Americana* 'Valley Forge' - Valley Forge American Elm

### TREES - UNDERSTORY

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* MS - Multi-Stem Allegheny Serviceberry  
*Carpinus caroliniana* - American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' - White Redbud  
*Cercis canadensis spp.* - Eastern Redbud  
*Chionanthus virginicus* - White Fringe Tree  
*Cornus florida* 'Cherokee Brave' - Flowering Dogwood

# Rear Realm PLANT LIST

## ALL T-ZONES (CONT.)

*Cornus florida* 'Forest Pansy' -  
Flowering Dogwood 'Forest Pansy'  
*Cornus x* 'Rutgan' - Stellar Pink Dogwood  
*Crataegus viridis* 'Winter King' - Winter King Hawthorne  
*Franklinia alatamaha* - Franklin Tree  
*Magnolia virginiana* - Sweetbay Magnolia  
*Malus* 'Adams' - Adams Crabapple  
*Malus* 'Adirondack' - Adirondack Crabapple  
*Malus* 'Prariefire' - Prariefire Crabapple

### TREES- EVERGREEN

*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Picea glauca* - White Spruce

### SHRUBS

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Alnus serrulata* - Brook-side Alder  
*Arctostaphylos uva-ursi* - Bearberry  
*Baccharis halimifolia* - Groundsel Tree  
*Calycanthus floridus* - Carolina Allspice  
*Cephalanthus occidentalis* - Buttonbush  
*Clethra alnifolia* - Summersweet  
*Cornus alba* 'Red Gnome' - Tartarian Dogwood  
*Cornus alternifolia* - Pagoda Dogwood  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Cornus foemina racemosa muskingum* - Gray-Twigged Dogwood  
*Cornus stolonifera* (*C. sericea*) spp. - Red-Osier Dogwood  
*Corylus americana* - American Filbert  
*Cotoneaster adpressus* spp. - Cotoneaster  
*Deutzia gracilis* spp. - Nikko Slender deutzia  
*Deutzia scabra* spp. - Fuzzy Deutzia  
*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Forsythia viridissima* 'Bronxensis' - Bronxensis Forsythia  
*Fothergilla gardenii* spp. - Dwarf Fothergilla  
*Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Hydrangea arborescens* spp. - Smooth Hydrangea  
*Hydrangea quercifolia* spp. - Oak Leaf Hydrangea  
*Hypericum frondosum* spp. - Golden St. Johnswort  
*Hypericum 'Hidcote'* - Hidcote Hypericum  
*Hypericum kalmianum* spp. - Kalm Hypericum  
*Hypericum prolificum* spp. - Shrubby St. John's Wort  
*Ilex glabra* spp. - Inkberry  
*Ilex verticillata* 'Afterglow' - Winterberry Holly  
*Ilex verticillata* 'Southern Gentleman' - Winterberry Holly  
*Ilex verticillata* 'Jim Dandy' - Winterberry Holly  
*Ilex verticillata* 'Sparkleberry' Winterberry Holly  
*Itea virginica* - Virginia Sweetspire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Leucothoe fontanestana* - Drooping Leucothoe  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Potentilla fruticosa* - Shrubby Cinquefoil  
*Rhododendron calendulaceum* - Flame Azalea  
*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* - Rosebay Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron PJM* - PJM Rhododendron  
*Rhododendron prinophyllum* (*R. roseum*) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea

*Rhus aromatica* spp. - Fragrant Sumac  
*Rhus glabra* - Smooth Sumac  
*Rosa carolina* - Carolina Rose, Pasture Rose  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Rosa palustris* - Swamp Wild Rose  
*Rosa rugosa* 'Dwarf Pavement' - Dwarf Pavement Rose  
*Rose virginiana* - Virginia Rose  
*Sambucus racemosa* var. *pubens* -  
Red Elderberry / Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Spiraea tomentosa* - Steeplebush (Hardhack)  
*Spiraea latifolia* (*alba*) - Meadowsweet  
*Symphoricarpos albus* - Common snowberry  
*Symphoricarpos orbiculatus* - Coralberry  
*Symphoricarpos x chenaultii* 'Hancock' -  
Hancock Coral Berry  
*Teucrium canadensis* - American Germander  
*Vaccinium angustifolium* - Lowbush Blueberry  
*Vaccinium corymbosum* - Highbush Blueberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum  
*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Agrostis alba* - Redtop  
*Agrostis scabra* - Ticklegrass  
*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-leaved Sedge  
*Chasmanthium latifolium* - Northern Sea Oats  
*Deschampsia cespitosa* - Tufted Hairgrass  
*Elymus glaucus* - Blue Wild Rye  
*Panicum virgatum* - Switchgrass  
*Sporobolus heterolepis* - Prairie Dropseed

### HERBACEOUS:

#### PERENNIALS, VINES, FERNS and MOSSES

*Achillea millefolium* spp. - Yarrow  
*Anemone Canadensis* - Meadow Anemone  
*Adiantum pedatum* - Maidenhair Fern  
*Agastache cana* - Mosquito Plant  
*Anemone* spp.- Windflower  
*Aquilegia canadensis* - Canadian Columbine  
*Asarum Canadense* - Wild Ginger  
*Asclepias incarnata* - Swamp Milkweed, Red Milkweed  
*Asclepias tuberosa* - Butterfly Weed  
*Aster divaricatus* - White Wood Aster  
*Aster laevis* - Smooth Aster  
*Aster novae-angliae* - New England Aster  
*Aster novi-belgii* - New York Aster  
*Astilbe* spp.- Plume Flower  
*Athyrium filix-femina* - Lady fern  
*Baptisia sphaerocarpa* - Yellow Indigo  
*Bergenia* spp.- Heart Leaf Berengia  
*Brachythecium oxycladon* - Cedar Moss  
*Campanula* spp.- Bellflower  
*Campsis radicans* - Trumpet Vine  
*Caryopteris x clandonensis* spp.  
Blue Mist Shrub, Blue Spirea  
*Chelone glabra* - Turtlehead  
*Chrysogonum virginianum* - Green and Gold  
*Cimicifuga racemosa* - Bugbane  
*Clematis virginiana* - Clematis

# Rear Realm PLANT LIST

## ALL T-ZONES (CONT.)

*Coreopsis auriculata* - Mouse-Ear Coreopsis  
*Coreopsis verticillata* - Tickseed  
*Coreopsis grandiflora* - Common Tickseed  
*Cornus canadensis* - Bunchberry  
*Delphinium exaltum* - Tall Larkspur  
*Delphinium tricorne* - Dwarf Larkspur  
*Dennstaedtia punctilobula* - Hay-Scented Fern  
*Dianthus* spp. (excluding armeria)- Pinks  
*Dicentra eximia* - Fringed Bleeding Heart  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss  
*Dryopteris marginalis* - Marginal Shield Fern  
*Echinacea purpurea* - Purple Cone Flower  
*Erythronium americanum* - Yellow Trout Lily  
*Eupatorium purpureum* - Joe-Pye Weed  
*Galium odoratum* - Sweet Woodruff  
*Gaultheria procumbens* - Creeping Wintergreen  
*Geranium* spp. - Cranesbill  
*Helleborus* spp. - Lenten Rose, Christmas Rose  
*Hemerocallis* spp. (excluding fulva) - Daylily  
*Heuchera* spp. - Coral Bells  
*Hibiscus moscheutos* spp. - Marsh Hibiscus  
*Iris cristata* - Slender Blue Flag  
*Iris versicolor* - Blue Flag Iris  
*Jeffersonia diphylla* - Twinleaf  
*Lavandula* spp. - Lavandin/Lavender  
*Leucanthemum* spp.- Shasta Daisy  
*Liatris spicata* - Gayfeather  
*Liriope* spp. - Lillyturf  
*Lobelia siphilitica* - Giant blue lobelia  
*Lonicera sempervirens* - Scarlet Honeysuckle  
*Mertensia virginica* - Virginia bluebells  
*Mitchella repens* - Partridgeberry  
*Mitella diphylla* - Bishop's Cap  
*Monarda didyma* - Beebalm  
*Monarda fistulosa* - Wild Bergamot  
*Oenothera fruticosa* - Sundrops  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon fern  
*Osmunda regalis* var. *spectabilis* - American Royal Fern  
*Pachysandra procumbens* - Allegheny Spurge  
*Paeonia* spp. - Peony  
*Parthenocissus quinquefolia* - Virginia Creeper  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Penstemon digitalis* - Beardtounge  
*Perovskia* spp. - Russian Sage  
*Phlox divaricata* Canadian, - Woodland Phlox  
*Phlox maculata* - Meadow Phlox  
*Phlox stolonifera* - Creeping Phlox  
*Phlox subulata* - Mountain Pinks  
*Physostegia virginiana* - Obedient Plant  
*Podophyllum peltatum* - Mayapple  
*Polygonatum biflorum* - Solomon's Seal  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Potentilla simplex* - Old Field Cinquefoil  
*Rudbeckia fulgida* - Orange Coneflower  
*Salvia* spp. - Meadow Sage  
*Sedum* spp. - Stonecrop  
*Similacina racemosa* - False Soloman's Seal  
*Solidago cutleri* - Goldenrod  
*Thalictrum thalictroides* - Rue Anemone  
*Thelypteris noveboracensis* - New York Fern  
*Thymus* spp. - Thyme  
*Vernonia noveboracensis* - Common ironweed  
*Viola labradorica* - Labrador Violet  
*Viola pedata* - Bird's Foot Viola

### SEED MIXES

Approved lawn mix for mowed areas:

40% *Festuca arundinacea* 'Shenandoah II' -  
     Shenandoah II Tall Fescue  
 40% *Festuca arundinacea* 'Finelawn Elite' -  
     Finelawn Elite Tall Fescue  
 10% *Lolium perenne* 'Wizard' -  
     Wizard Perennial Ryegrass  
 10% *Lolium perenne* 'Pennant II'  
     Pennant II Perennial Ryegrass

### SPRING FLOWERING BULBS

*Allium* hybrids - Flowering Onion  
*Anemone blanda* - Grecian Windflower, Anemone  
*Convallaria majalis* - Lily of the Valley - all varieties  
*Crocus vernus* - Crocus hybrids - all varieties  
*Daffodil* spp. - Trumpet Daffodils  
*Hyacinth* spp. - Hyacinth hybrids - all varieties  
*Scilla campanulata* - Spanish Bluebell  
*Tulipa fosteriana* - Species Tulip  
*Tulipa greigii* - Species Tulip  
*Tulipa kaufmanniana* - Species Tulip  
*Tulipa speciosa* - Botanical (Species) Tulip  
*Tulipa* spp. - Tulip Hybrids - (all varieties)

### FALL FLOWERING BULBS

*Colchicum* spp. - Meadow Saffron  
*Cyclamen coum* spp. - Hardy Cyclamen

# ROADSIDE FOCAL POINT

## PLANT LIST

### TREES - SHADE

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Betula allegheniensis* - Yellow Birch  
*Betula lenta* - Black Birch, Sweet Birch  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory  
*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea* (*C. lutea*) - American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Fagus grandifolia* - American Beech  
*Gymnocladus dioica* - Kentucky Coffeetree  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Magnolia acuminata* - Cucumber tree Magnolia  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Platanus occidentalis* - American Sycamore  
*Platanus x acerifolia* 'Bloodgood' - Bloodgood London Planetree  
*Platanus x acerifolia* - 'Liberty' Liberty London Planetree  
*Quercus alba* - White Oak  
*Quercus bicolor* - Swamp White Oak  
*Quercus borealis* (*Quercus Rubra*) - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus macrocarpa* - Bur Oak  
*Quercus palustris* - Pin Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* - Chestnut Oak  
*Quercus velutina* - Black Oak  
*Sassafras albidum* - Sassafras  
*Taxodium distichum* - 'Shawnee Brave' Bald Cypress  
*Tilia americana* - Basswood  
*Tilia americana* - 'Redmond' Redmond Basswood  
*Ulmus Americana* 'Heritage' - Heritage American Elm  
*Ulmus Americana* 'Liberty' - Liberty American Elm  
*Ulmus Americana* 'Valley Forge' - Valley Forge American Elm

### TREES - UNDERSTORY

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* - MS Multi-Stem Allegheny Serviceberry  
*Carpinus caroliniana* - American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' - White Redbud  
*Cercis canadensis* spp. - Eastern Redbud  
*Chionanthus virginicus* - White Fringe Tree  
*Cornus florida* - Flowering Dogwood  
*Cornus florida* 'Cherokee Brave' -  
    Flowering Dogwood 'Cherokee Brave'  
*Cornus florida* 'Cherokee Princess' -  
    Flowering Dogwood 'Cherokee Princess'  
*Cornus florida* 'Forest Pansy' -  
    Flowering Dogwood 'Forest Pansy'  
*Cornus x 'Rutcan'* - Constellation Dogwood  
*Cornus x 'Rutdan'* - Celestial Flowering Dogwood  
*Cornus x 'Rutgan'* - Stellar Pink Dogwood  
*Cornus x 'Rutlan'* - Ruth Ellen Dogwood  
*Crataegus viridis* - 'Winter King' Winter King Hawthorne  
*Halesia Caroliniana* - Carolina Silverbell  
*Magnolia virginiana* - Sweetbay Magnolia  
*Malus 'Adams'* - Adams Crabapple  
*Malus 'Adirondack'* - Adirondack Crabapple

*Malus 'Donald Wyman'* - Sargent Crabapple  
*Malus 'Prariefire'* - Prariefire Crabapple  
*Malus 'Sargentii'* - Sargent Crabapple  
*Malus 'Sugar Time'* - Sugar Tyme Crabapple  
*Ostrya virginiana* - Hop Hornbeam  
*Prunus americana* - Flowering American Plum

### TREES- EVERGREEN

*Abies balsamea* - Balsam Fir  
*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Ilex opaca* - American Holly  
*Picea glauca* - White Spruce  
*Pinus resinosa* - Red Pine  
*Pinus rigida* - Pitch Pine  
*Pinus strobus* - Eastern White Pine  
*Pinus virginiana* - Virginia Pine

### SHRUBS

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Alnus serrulata* - Brook-side Alder  
*Arctostaphylos uva-ursi* - Bearberry  
*Calycanthus floridus* - Carolina Allspice  
*Cephalanthus occidentalis* - Buttonbush  
*Clethra alnifolia* - Summersweet  
*Cornus alba* 'Red Gnome' - Tartarian Dogwood  
*Cornus alternifolia* - Pagoda Dogwood  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Cornus foemina* spp. - Gray-Twigged Dogwood  
*Cornus stolonifera* (*C. sericea*) spp. - Red-Osier Dogwood  
*Corylus americana* - American Filbert  
*Cotoneaster adpressus* spp. - Cotoneaster  
*Deutzia gracilis* spp. - Nikko Deutzia  
*Deutzia scabra* spp. - Fuzzy Deutzia  
*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Forsythia viridissima* - 'Bronxensis' Bronxensis Forsythia  
*Fothergilla gardenii* spp. - Dwarf Fothergilla  
*Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Hydrangea arborescens* spp. - Smooth Hydrangea  
*Hydrangea quercifolia* spp. - Oak Leaf Hydrangea  
*Hypericum frondosum* spp. - Golden St. Johnswort  
*Hypericum 'Hidcote'* - Hidcote Hypericum  
*Hypericum kalmianum* spp. - Kalm Hypericum  
*Hypericum prolificum* spp. - Shrubby St. Johnswort  
*Ilex glabra* spp. - Inkberry  
*Ilex verticillata* 'Afterglow' - Winterberry Holly  
*Ilex verticillata* 'Southern Gentleman' -  
    Winterberry Holly  
*Ilex verticillata* 'Jim Dandy' - Winterberry Holly  
*Ilex verticillata* 'Sparkleberry' - Winterberry Holly  
*Itea virginica* - Virginia Sweetspire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Leucothoe fontanesiana* - Drooping Leucothoe  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's mountain-lover  
*Potentilla fruticosa* - Shrubby cinquefoil  
*Rhododendron calendulaceum* - Flame Azalea



# ROADSIDE FOCAL POINT

## PLANT LIST (CONT.)

*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* Rosebay - Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron PJM* - PJM Rhododendron  
*Rhododendron prinophyllum* (*R. roseum*) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea  
*Rosa carolina* - Carolina Rose, Pasture Rose  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Rosa palustris* - Swamp Wild Rose  
*Rosa rugosa* 'Dwarf Pavement' - Dwarf Pavement Rose  
*Rose virginiana* - Virginia Rose  
*Sambucus racemosa* var. *pubens* - Red Elderberry/Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Spiraea tomentosa* - Steeplebush (Hardhack)  
*Spiraea latifolia* (*alba*) - Meadowsweet  
*Symphoricarpos albus* - Common Snowberry  
*Symphoricarpos x chenaultii* 'Hancock' - Hancock Coral Berry  
*Teucrium canadensis* - American Germander  
*Vaccinium angustifolium* - Lowbush Blueberry  
*Vaccinium corymbosum* - Highbush Blueberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum  
*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-leaved Sedge  
*Carex stricta* - Tussock Sedge  
*Carex vulpinoidea* - Fox Sedge  
*Chasmanthium latifolium* - Northern Sea Oats  
*Elymus glaucus* - Blue Wild Rye

### HERBACEOUS:

#### PERENNIALS, VINES, FERNS and MOSSES

*Achillea millefolium* spp. - Yarrow  
*Adiantum pedatum* - Maidenhair Fern  
*Agastache cana* - Mosquito Plant  
*Anemone Canadensis* - Meadow Anemone  
*Asarum Canadense* - Wild Ginger  
*Asclepias incarnata* - Swamp Milkweed, Red Milkweed  
*Asclepias tuberosa* - Butterfly Weed  
*Aster divaricatus* - White Wood Aster  
*Aster laevis* - Smooth Aster  
*Aster novae-angliae* - New England Aster  
*Aster novi-belgii* - New York Aster  
*Athyrium filix-femina* - Lady Fern  
*Aquilegia canadensis* - Canadian Columbine  
*Baptisia sphaerocarpa* - Yellow Indigo  
*Brachythecium oxycladon* - Cedar Moss  
*Campsis radicans* - Trumpet Vine  
*Chelone glabra* - Turtlehead  
*Chrysogonum virginianum* - Green and Gold  
*Cimicifuga racemosa* - Bugbane  
*Clematis virginiana* - Clematis  
*Coreopsis auriculata* - Mouse-Ear Coreopsis  
*Coreopsis verticillata* - Tickseed  
*Coreopsis grandiflora* - Common Tickseed  
*Delphinium exaltum* - Tall Larkspur  
*Delphinium tricorne* - Dwarf Larkspur  
*Dennstaedtia punctilobula* - Hay-Scented Fern

*Dicentra eximia* - Fringed Bleeding Heart  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss  
*Dryopteris marginalis* - Marginal Shield Fern  
*Echinacea purpurea* - Purple Cone Flower  
*Erythronium americanum* - Yellow Trout Lily  
*Eupatorium purpureum* - Joe-Pye Weed  
*Gaultheria procumbens* - Creeping Wintergreen  
*Geranium maculatum* - Cranesbill  
*Heuchera* spp. - Coral Bells  
*Hibiscus moscheutos* spp. - Marsh Hibiscus  
*Iris cristata* - Slender Blue Flag  
*Iris versicolor* - Blue Flag Iris  
*Jeffersonia diphylla* - Twinleaf  
*Liatris spicata* - Gayfeather  
*Lobelia siphilitica* - Giant Blue Lobelia  
*Lonicera sempervirens* - Scarlet Honeysuckle  
*Mitchella repens* - Partridgeberry  
*Mitella diphylla* - Bishop's Cap  
*Monarda didyma* - Beebalm  
*Monarda fistulosa* - Wild Bergamot  
*Oenothera fruticosa* - Sundrops  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon Fern  
*Osmunda regalis* var. *spectabilis* - American Royal Fern  
*Pachysandra procumbens* - Allegheny Spurge  
*Parthenocissus quinquefolia* - Virginia Creeper  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Penstemon digitalis* - Beardtongue  
*Phlox divaricata* - Canadian, Woodland Phlox  
*Phlox maculata* - Meadow Phlox  
*Phlox stolonifera* - Creeping Phlox  
*Phlox subulata* - Mountain Pinks  
*Physostegia virginiana* - Obedient Plant  
*Podophyllum peltatum* - Mayapple  
*Polygonatum biflorum* - Solomon's Seal  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Potentilla simplex* - Old Field Cinquefoil  
*Rudbeckia fulgida* - Orange Coneflower  
*Similacina racemosa* - False Solomon's Seal  
*Solidago cutleri* - Goldenrod  
*Thalictrum thalictroides* - Rue Anemone  
*Thelypteris noveboracensis* - New York Fern  
*Vernonia noveboracensis* - Common Ironweed  
*Viola labradorica* - Labrador Violet  
*Viola pedata* - Bird's Foot Viola  
*Waldesteinia fragarioides* - Barren Strawberry

### SPRING FLOWERING BULBS

*Allium* hybrids - Flowering Onion  
*Anemone blanda* - Grecian Windflower, Anemone  
*Convallaria majalis* - Lily of the Valley - (all varieties)  
*Crocus vernus* - Crocus hybrids - (all varieties)  
*Daffodil* spp. - Trumpet Daffodils  
*Hyacinth* spp. - Hyacinth hybrids - (all varieties)  
*Scilla campanulata* - Spanish Bluebell  
*Tulipa fosteriana* - Species Tulip  
*Tulipa greigii* - Species Tulip  
*Tulipa kaufmanniana* - Species Tulip  
*Tulipa speciosa* - Botanical (Species) Tulip  
*Tulipa* spp. - Tulip Hybrids - (all varieties)

### FALL FLOWERING BULBS

*Colchicum* spp. - Meadow Saffron  
*Cyclamen coum* spp. - Hardy Cyclamen

# T-REALM 2

## PLANT LIST

### TREES- EVERGREEN

*Chamaecyparis thyoides* - Atlantic Whitecedar  
*Juniperus virginiana* - Eastern Red Cedar  
*Juniperus virginiana* 'Burkii' - Burkii Red Cedar

### SHRUBS

*Baccharis halimifolia* - Groundsel Tree  
*Rhus aromatica* spp. - Fragrant Sumac  
*Rhus glabra* - Smooth Sumac  
*Symphoricarpos orbiculatus* - Coralberry

### HERBACEOUS: GRASSES

*Agrostis alba* - Redtop  
*Elymus glaucus* - Blue Wild Rye  
*Agrostis scabra* - Ticklegrass  
*Andropogon glomeratus* var. *glaucoopsis* - Purple Bluestem  
*Andropogon saccharoides* - Silver Beard Grass  
*Andropogon scoparius* - Little Bluestem  
*Andropogon virginicus* - Broom Sedge  
*Elymus canadensis* - Canada Wild Rye  
*Elymus virginicus* - Virginia Wild Rye  
*Festuca arundinacea* - Tall Fescue  
*Festuca ovina* - Hard Fescue  
*Lolium multiflorum* - Annual Ryegrass  
*Panicum virgatum* - Switchgrass  
*Schizachyrium scoparium* - Little Bluestem  
*Sorghastrum nutans* - Indian Grass

### TREES - SHADE

*Acer saccharum* - Sugar Maple  
*Betula allegheniensis* - Yellow Birch  
*Betula lenta* - Black Birch, Sweet Birch  
*Betula nigra* - River Birch  
*Betula populifolia* - Gray Birch  
*Carya glabra* - Pignut Hickory  
*Carya ovata* - Shagbark Hickory  
*Carya tomentosa* - Mockernut Hickory  
*Celtis occidentalis* - Common Hackberry  
*Cladrastis kentukea* (*C. lutea*) - American Yellowwood  
*Cladrastis kentukea* 'Rosea' - American Yellowwood  
*Fagus grandifolia* - American Beech  
*Gymnocladus dioica* - Kentucky Coffeetree  
*Liquidambar styraciflua* - Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Nyssa sylvatica* - Black Tupelo  
*Oxydendrum arboreum* - Sourwood (Andromeda)  
*Platanus occidentalis* - American Sycamore  
*Quercus alba* - White Oak  
*Quercus bicolor* - Swamp White Oak  
*Quercus borealis* (*Quercus Rubra*) - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus macrocarpa* - Bur Oak  
*Quercus palustris* - Pin Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* - Chestnut Oak  
*Quercus velutina* - Black Oak  
*Sassafras albidum* - Sassafras  
*Taxodium distichum* 'Shawnee Brave' - Shawnee Brave Bald Cypress

### TREES - UNDERSTORY

*Acer pensylvanicum* - Striped Maple  
*Amelanchier arborea* - Downy Serviceberry  
*Amelanchier canadensis* - Shadblow Serviceberry  
*Amelanchier laevis* - Allegheny Serviceberry  
*Amelanchier laevis* MS - Multi-Stem Allegheny Serviceberry

*Carpinus caroliniana* - American Hornbeam, Ironwood  
*Cercis canadensis* 'Alba' - White Redbud  
*Cercis canadensis* spp. - Eastern Redbud  
*Cornus florida* - Flowering Dogwood  
*Cornus florida* 'Cherokee Brave' -  
Flowering Dogwood 'Cherokee Brave'  
*Cornus florida* 'Cherokee Princess' -  
Flowering Dogwood 'CherokeePrincess'  
*Cornus florida* 'Forest Pansy' -  
Flowering Dogwood 'Forest Pansy'  
*Cornus x* 'Rutcan' - Constellation Dogwood  
*Cornus x* 'Rutdan' - Celestial Flowering Dogwood  
*Cornus x* 'Rutgan' - Stellar Pink Dogwood  
*Cornus x* 'Rutlan' - Ruth Ellen Dogwood  
*Crataegus viridis* - 'Winter King' - Winter King Hawthorne  
*Ostrya virginiana* - Hop Hornbeam  
*Prunus americana* - Flowering American Plum

### TREES- EVERGREEN

*Abies balsamea* - Balsam Fir  
*Ilex opaca* - American Holly  
*Picea glauca* - White Spruce  
*Pinus resinosa* - Red Pine  
*Pinus rigida* - Pitch Pine  
*Pinus strobus* - Eastern White Pine  
*Pinus virginiana* - Virginia Pine

### SHRUBS

*Aesculus parviflora* - Bottlebrush Buckeye  
*Alnus rugosa* - Speckled Alder  
*Alnus serrulata* - Brook-side Alder  
*Calycanthus floridus* - Carolina Allspice  
*Clethra alnifolia* - Summersweet  
*Cornus amomum* - Silky Dogwood, Swamp Dogwood  
*Corylus americana* - American Filbert  
*Diervilla lonicera* 'Copper' - Dwarf Bush Honeysuckle  
*Dirca palustris* - Leatherwood  
*Fothergilla gardenii* spp. - Dwarf Fothergilla  
*Fothergilla major* - Large Fothergilla  
*Hammamelis vernalis* - Vernal Witchhazel  
*Hammamelis virginiana* - Witch Hazel  
*Ilex verticillata* - 'Afterglow' Winterberry Holly  
*Ilex verticillata* - 'Southern Gentleman' Winterberry Holly  
*Ilex verticillata* - 'Jim Dandy' Winterberry Holly  
*Ilex verticillata* - 'Sparkleberry' Winterberry Holly  
*Itea virginica* - Virginia Sweetpire  
*Kalmia angustifolia* spp. - Sheep Laurel  
*Kalmia latifolia* spp. - Mountain Laurel  
*Lindera benzoin* - Spicebush  
*Paxistima canbyi* - Canby's Mountain-Lover  
*Rhododendron calendulaceum* - Flame Azalea  
*Rhododendron carolinianum* - Carolina Rhododendron  
*Rhododendron catawbiense* spp. - Catawba Rhododendron  
*Rhododendron maximum* - Rosebay Rhododendron  
*Rhododendron periclymenoides* spp. - Pinxterbloom Azalea  
*Rhododendron PJM* - PJM Rhododendron  
*Rhododendron prinophyllum* (*R. roseum*) - Roseshell Azalea  
*Rhododendron vaseyi* spp. - Pinkshell Azalea  
*Rhododendron viscosum* - Swamp Azalea  
*Rosa* 'Landcruiser series' - Landcruiser Rose  
*Sambucus racemosa* var. *pubens* -  
Red Elderberry / Scarlet Elderberry  
*Sambucus canadensis* - Elderberry  
*Symphoricarpos albus* - Common snowberry  
*Viburnum acerifolium* - Maple-Leaf Viburnum  
*Viburnum dentatum* - Arrowwood Viburnum

# T-REALM 2

## PLANT LIST (CONT.)

*Viburnum lentago* - Nannyberry Viburnum  
*Viburnum prunifolium* - Blackhaw Viburnum  
*Viburnum trilobum* - American Cranberrybush  
*Viburnum x rhytidophylloides* - Lantanaphyllum Viburnum  
*Xanthorhiza simplicissima* - Yellowroot

### HERBACEOUS: GRASSES

*Carex pennsylvanica* - Pennsylvania Sedge  
*Carex plantaginea* - Plantain-leaved Sedge  
*Carex stricta* - Tussock Sedge  
*Carex vulpinoidea* - Fox Sedge  
*Sporobolus heterolepis* - Prairie Dropseed

### HERBACEOUS:

#### PERENNIALS, VINES, FERNS and MOSSES

*Adiantum pedatum* - Maidenhair Fern  
*Athyrium filix-femina* - Lady Fern  
*Brachythecium oxycladon* - Cedar Moss  
*Dicranella heteromalia* - Broom Moss  
*Dicranum scoparium* - Silky Forklet Moss  
*Dryopteris marginalis* - Marginal Shield Fern  
*Onoclea sensibilis* - Sensitive Fern  
*Osmunda cinnamomea* - Cinnamon Fern  
*Osmunda regalis var. spectabilis* - American Royal Fern  
*Polytrichum juniperinum* - Juniper Haircap Moss  
*Thelypteris noveboracensis* - New York Fern

### SUNNY DRY MEADOW

#### APPROVED GRASS MIX FOR USE IN ROADSIDE MEADOWS EXPOSED TO SUNNY, DRY CONDITIONS:

40% *Andropogon gerardii* - Big Bluestem  
4% *Aster laevis* - Smooth Blue Aster  
4% *Monarda fistulosa* - Wild Bergamot  
2% *Chamaechrista fasciculata* - Partridge Pea  
4% *Asclepias tuberosa interior* - Butterfly Milkweed  
4% *Rudbeckia hirta* - Black Eyed Susan  
5% *Coreopsis lanceolata* - Lance Leaved Coreopsis  
5% *Echinacea purpurea* - Purple Coneflower  
5% *Liatris spicata* - Marsh (Dense) Blazing Star  
2% *Solidago juncea* - Early Goldenrod  
5% *Sorghastrum nutans* - Indiangrass  
5% *Tridens flavens* - Purple Top  
15% *Elymus virginicus* - Virginia Wild Rye

### STEEP SLOPE MIX

#### APPROVED FOR USE ALONG ROADSIDES WITH GRADIENTS IN EXCESS OF 25%

20% *Lolium multiflorum* - Annual Ryegrass  
20% *Andropogon scoparius* - Little bluestem, Indiantown Gap  
20% *Elymus Canadensis* - Canada Wild Rye  
10% *Sporobolus asper* - Rough Dropseed  
10% *Bromus ciliatus* - Fringed Brome  
10% *Agrostis perennans* - Autumn Bluegrass  
5% *Rudbeckia hirta* - Black Eyed Susan  
3% *Aster prenanthoides* - Zigzag Aster  
2% *Solidago nemoralis* - Gray Goldenrod

### WET MEADOW SEED MIX

#### APPROVED FOR USE ALONG ROADSIDES IN WETTER AREAS

24% *Elymus virginicus* - Virginia Wild Rye  
20% *Carex vulpinoidea* - Fox Sedge  
10% *Carex tribuloides* - Blunt Broom Sedge

10% *Glyceria grandis* - American Mannagrass  
5% *Verbena hastata* - Blue Vervain  
4% *Eupatorium maculatum* - Spotted Joe Pye Weed  
4% *Helenium autumnale* - Common Sneezeweed  
4% *Mimulus ringens* - Square Stemmed Monkey Flower  
4% *Zizia aurea* - Golden Alexanders  
3% *Vernonia noveboracensis* - New York Ironweed  
3% *Asclepias incarnate* - Swamp Milkweed  
3% *Aster puniceus* - Purple Stemmed Aster  
3% *Eupatorium perfoliatum* - Boneset  
3% *Euthamia graminifolia* - Grass Leaved Goldenrod

## STREET TREES

### PLANT LIST

#### TREES – SHADE

*Acer rubrum* - Red Maple  
*Acer saccharum* - Sugar Maple  
*Celtis occidentalis* - Common Hackberry  
*Gleditsia triacanthos var. inermis* -  
‘Imperial’ Thornless Common Honeylocust  
*Gleditsia triacanthos var. inermis* ‘Skycole’ -  
Skycole Honeylocust  
*Gleditsia triacanthos var. inermis* ‘Suncole’ -  
Suncole Honeylocust  
*Gleditsia triacanthos var. inermis* ‘True Shade’ -  
True Shade Honeylocust  
*Gymnocladus dioica* - Kentucky Coffeetree  
*Liquidambar styraciflua* ‘Rotundiloba’ -  
Rotundiloba Sweetgum  
*Liriodendron tulipifera* - Tulip Tree  
*Nyssa sylvatica* - Black Tupelo  
*Platanus occidentalis* - American Sycamore  
*Platanus x acerifolia* ‘Bloodgood’ -  
Bloodgood London Planetree  
*Platanus x acerifolia* ‘Liberty’ - Liberty London Planetree  
*Quercus alba* - White Oak  
*Quercus bicolor* - Swamp White Oak  
*Quercus borealis* (Quercus Rubra) - Red Oak  
*Quercus coccinea* - Scarlet Oak  
*Quercus phellos* - Willow Oak  
*Quercus prinus* - Chestnut Oak  
*Quercus velutina* - Black Oak  
*Taxodium distichum* - ‘Shawnee Brave’ Bald Cypress  
*Tilia americana* - Basswood  
*Tilia americana* ‘Redmond’ - Redmond Basswood  
*Ulmus Americana* ‘Heritage’ - Heritage American Elm  
*Ulmus Americana* ‘Liberty’ - Liberty American Elm

# INVASIVES

## PLANTS NOT APPROVED FOR USE

For more information, please visit  
<http://www.invasivespeciesinfo.gov/>

*Acacia auriculiformis* - Earleaf Acacia  
*Acer tataricum* var. *ginnala* - Amur Maple  
*Acer platanoides* - Norway Maple  
*Ailanthus altissima* - Tree of Heaven  
*Albizia julibrissin* - Mimosa, Silk Tree  
*Alnus glutinosa* - European Alder  
*Bischofia javanica* - Bishopwood  
*Broussonetia papyrifera* - Paper Mulberry  
*Casuarina equisetifolia* - Australian Pine  
*Ilex aquifolium* - English Holly  
*Paulownia tomentosa* - Princess Tree  
*Populus alba* - White Poplar  
*Pyrus calleryana* - Callery Pear  
*Robinia pseudoacacia* - Black Locust  
*Quercus acutissima* - Sawtooth Oak  
*Salix x sepulcralis* (*Salix babylonica*) - Weeping Willow  
*Sorbus aucuparia* - European Mountain Ash  
*Ulmus pumila* - Siberian Elm  
*Ulmus parvifolia* - Chinese Elm  
*Berberis thunbergii* - Japanese Barberry  
*Buddleja davidii* and hybrids - Butterfly Bush  
*Caragana arborescens* - Siberian Pea Shrub  
*Cotoneaster apiculatus* - Cotoneaster  
*Cotoneaster franchetii* - Cotoneaster  
*Cotoneaster microphyllus* - Cotoneaster  
*Cotoneaster pannosus* - Cotoneaster  
*Cotoneaster lacteus* - Cotoneaster  
*Crataegus monogyna* - English Hawthorn  
*Cytisus scoparius* - Scotch Broom  
*Elaeagnus angustifolia* - Russian Olive  
*Elaeagnus umbellata* - Autumn Olive  
*Euonymus alatus* - Winged euonymus  
*Euonymus fortunei* - Fortune's Euonymus  
*Ligustrum amurense* - Privet  
*Ligustrum japonicum* - Privet  
*Ligustrum lucidum* - Privet  
*Ligustrum ovalifolium* Privet  
*Ligustrum sinense* Privet  
*Ligustrum vulgare* - Privet  
*Lonicera tatarica* - Tartarian Honeysuckle  
*Lonicera maackii* - Amur Honeysuckle  
*Lonicera morrowii* - Morrow's Honeysuckle  
*Lonicera xylosteum* - Dwarf Honeysuckle  
*Rhamnus cathartica* - Buckthorn  
*Rhamnus frangula* (*Frangula alnus*) -  
 Tall Hedge Buckthorn  
*Rhodotypos scandens* Jetbead  
*Rosa multiflora* Multiflora Rose  
*Rosa rugosa* Beach rose  
*Spiraea japonica* Japanese Spirea  
*Taxus cuspidata* Japanese Yew  
*Viburnum dilatatum* Linden Viburnum  
*Viburnum lentago* Tea Viburnum  
*Viburnum plicatum* Double-file Viburnum  
*Viburnum sieboldii* Siebold Viburnum  
*Viburnum opulus* var. *opulus* European Cranberry Bush  
*Viburnum lantana* Wayfaring Tree  
*Akebia quinata* Five-leaf Akebia  
*Ampelopsis brevipedunculata* Porcelain Berry  
*Celastrus orbiculatus* Oriental Bittersweet  
*Hedera helix* English Ivy  
*Lonicera japonica* Japanese Honeysuckle

*Wisteria floribunda* Japanese Wisteria  
*Digitalis purpurea* Foxglove  
*Leucanthemum vulgare* (*Chrysanthemum  
 leucanthemum*) Ox-Eye Daisy  
*Lythrum salicaria* Purple Loosestrife  
*Lythrum virgatum* Purple Loosestrife  
*Potentilla recta* Potentilla  
*Ranunculus ficaria* Lesser Celandine  
*Pueraria lobata* Kudzu  
*Vinca Minor* Periwinkle  
*Vinca Major* Periwinkle