

- SHADE TREES (DECIDUOUS)**
- ARM Armstrong Red Maple
  - GMSM Green Mountain Sugar Maple
  - SVO Swamp White Oak
  - BC Bald Cypress
  - VFE Valley Forge American Elm

- DECIDUOUS SHRUBS**
- TBS Tor Birchleaf Spirea

- ORNAMENTAL GRASSES**
- NWSG Northwind Switch Grass

- HERBACEOUS PERENNIALS**
- SBA Summer Beauty Allium

- GROUNDCOVERS & VINES**
- CLT Creeping Lilly Turf
- PLANT ABBREVIATIONS**

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**DIGGERS HOTLINE**

CALL DIGGERS HOTLINE  
811 or 1-800-242-6511  
MILW. AREA 238-1181  
WS STATUTE 185.0175(974)  
REQUIRES MIN. 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE

**HELLER & ASSOCIATES, LLC**  
LANDSCAPE ARCHITECTURE

P.O. Box 1359  
Lake Geneva, Wisconsin 53147-1359  
ph 262.859.9733  
david@wdavidheller.com  
www.wdavidheller.com

**OVERALL LANDSCAPE PLAN**  
Scale: 1" = 30'0"

NORTH

0 15 30 60

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MILWAUKEE CO. DEPT. OF ADMINISTRATIVE SERVICES  
**FACILITIES MANAGEMENT DIVISION**  
ARCHITECTURE - ENGINEERING - ENVIRONMENTAL SERVICES  
633 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 53203

REVISIONS:

DATE:

COUNTY PROJECT #:  
**WS12401**

SITE NO:  
**360**

BUILDING NO:  
**5000**

CAP PROJECT #:  
**180802**

PROJECT STATUS:  
Design Development

**OVERALL LANDSCAPE PLAN**

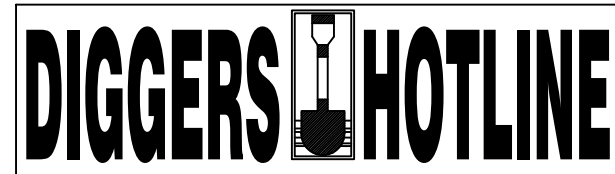
**L1.0**

**Vel R. Phillips Youth & Family Justice Center**  
10201 W Watertown Plank Rd Milwaukee, WI 53226

SECURE RESIDENTIAL CARE CENTER FOR CHILDREN AND YOUTH

T 414.220.9640  
751 N Jefferson St.  
Suite 200  
Milwaukee, WI 53202  
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TO OBTAIN LOCATIONS OF  
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SHADE TREES (DECIDUOUS)

- ARM Armstrong Red Maple
- GMSM Green Mountain Sugar Maple
- SWO Swamp White Oak
- BC Bald Cypress
- VFE Valley Forge American Elm

DECIDUOUS SHRUBS

- TBS Tor Birchleaf Spirea

ORNAMENTAL GRASSES

- NWSG Northwind Switch Grass

HERBACEOUS PERENNIALS

- SBA Summer Beauty Allium

GROUNDCOVERS & VINES

- CLT Creeping Lilly Turf

PLANT ABBREVIATIONS

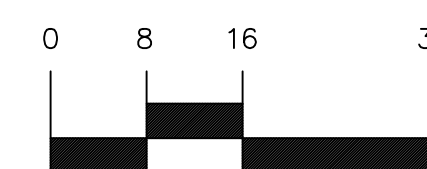


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ENLARGED LANDSCAPE PLAN

Scale: 1" = 16'0"



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360

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5000

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180802

PROJECT STATUS:  
Design Development

ENLARGED  
LANDSCAPE  
PLAN

L1.1

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633 WEST WISCONSIN AVENUE, SUITE 1000 MILWAUKEE, WI 53203





1. Contractor responsible for contacting Diggers Hotline (811 or 800-242-8511) to have site marked prior to excavation or planting.
2. Contractor to verify all plant quantities shown on Plant & Material List and landscape planting symbols and report any discrepancies to Landscape Architect or General Contractor.
3. All plantings shall comply with standards as described in American Standard of Nursery Stock - Z60.1 ANSI (latest version). Landscape Architect reserves the right to inspect, and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged. No sub-standard "B Grade" or "Park Grade" plant material shall be accepted. Plant material shall originate from nursery(ies) with a similar climate as the planting site.
4. Any potential plant substitutions must be approved by Landscape Architect or Owner. All plants must be installed as per sizes indicated on Plant & Material Schedule, unless approved by Landscape Architect. Any changes to sizes shown on plan must be submitted in writing to the Landscape Architect prior to installation.
5. Topsoil in Parking Lot Islands (if applicable): All parking lot islands to be backfilled with topsoil to a minimum depth of 12" to insure long-term plant health. Topsoil should be placed within 3" of finish grade by General Contractor / Excavation Contractor during rough grading operations/activity. The landscape contractor shall be responsible for the fine grading of all disturbed areas, planting bed areas, and lawn areas. Crown all parking lot islands a minimum of 4" to provide proper drainage, unless otherwise specified.
6. Tree Planting: Plant all trees slightly higher than finished grade at the root flare. Remove excess soil from the top of the root ball, if needed. Remove and discard non-biodegradable ball wrapping and support wire. Removed biodegradable burlap and wire cage (if present) from the top ¼ of the rootball and carefully bend remaining wire down to the bottom of the hole. Once the tree has been placed into the hole and will no longer be moved, score the remaining ¾ of the burlap and remove the twine. Provide one slow release fertilizer packets (per 1" caliper) for each tree planted.
7. Tree Planting: Backfill tree planting holes 80% existing soils removed from excavation and 20% Soil Amendments (see Note 11). Avoid air pockets and do not tamp soil down. Discard any gravel, rocks, heavy clay, or concrete pieces. When hole is ¾ full, trees shall be watered thoroughly, and water left to soak in before proceeding to fill the remainder of the hole. Water again to full soak in the new planting. Each tree shall receive a 3" deep, 4-5' diameter (see planting details or planting plan) shredded hardwood bark mulch ring / saucer around all trees. Do not build up any mulch onto the trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the Landscape Contractor.
8. Shrub Planting: All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a 50% mix of Soil Amendments with blended, pulverized topsoil. Install topsoil into all plant beds as needed to achieve proper grade and displace undesirable soils (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole(s) are ¾ full, shrubs shall be watered thoroughly, and water left to soak in before proceeding. Provide slow-release fertilizer packets at the rate of 1 per 24" height/diameter of shrub at planting.
9. Mulching: All tree rings to receive a 3" deep layer of high quality shredded hardwood bark mulch (not pigment dyed or enviro-mulch). All shrub planting and perennial planting bed areas (groupings) shall receive a 2" layer of double-shredded hardwood bark mulch, and groundcover areas a 2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.
10. Edging: All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bedlines are to be cut crisp, smooth as per plan. A clean definition between landscape beds and lawn is required. Pack mulch against lawn edge to hold in place.
11. Plant bed preparation/Soil Amendment composition: All perennial, groundcover and annual areas (if applicable) are required to receive a blend of organic soil (Soil Amendments) amendments prior to installation. Roto-till the following materials at the following ratio, into existing soil beds or installed topsoil beds to a depth of approximately 8"-10". Containerized and balled & burlapped plant material should be back-filled with amended soil.

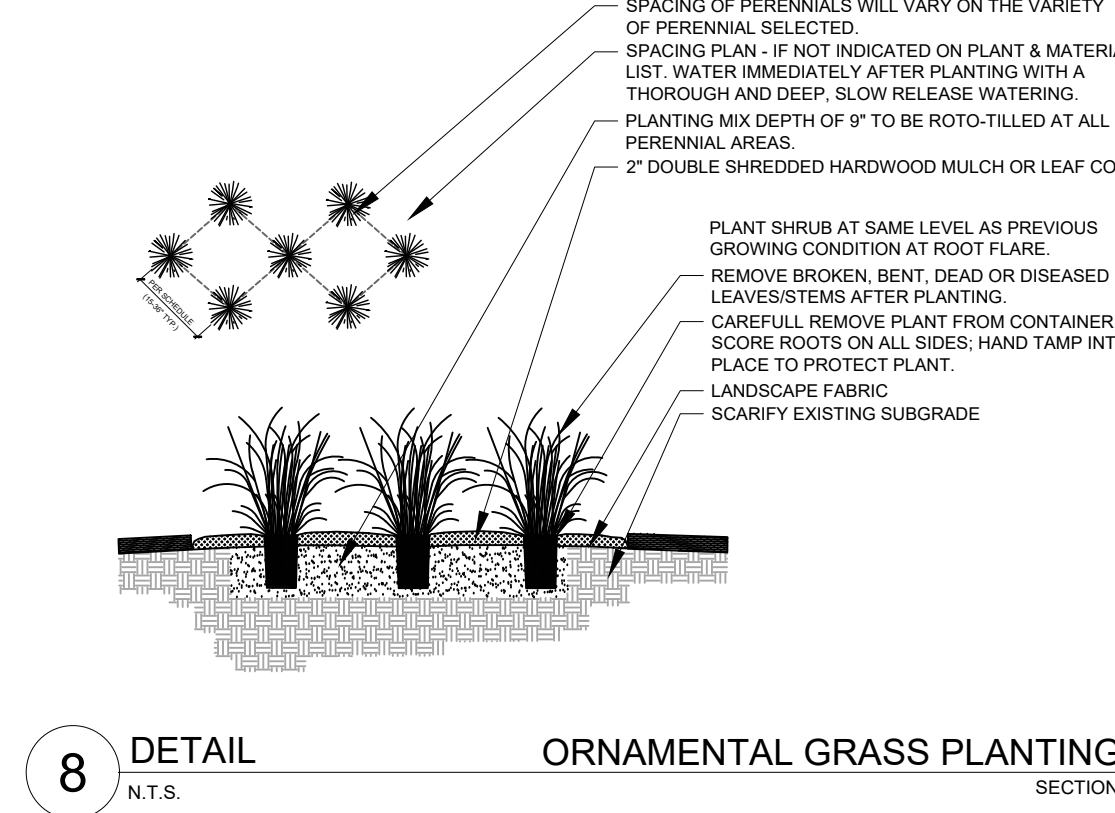
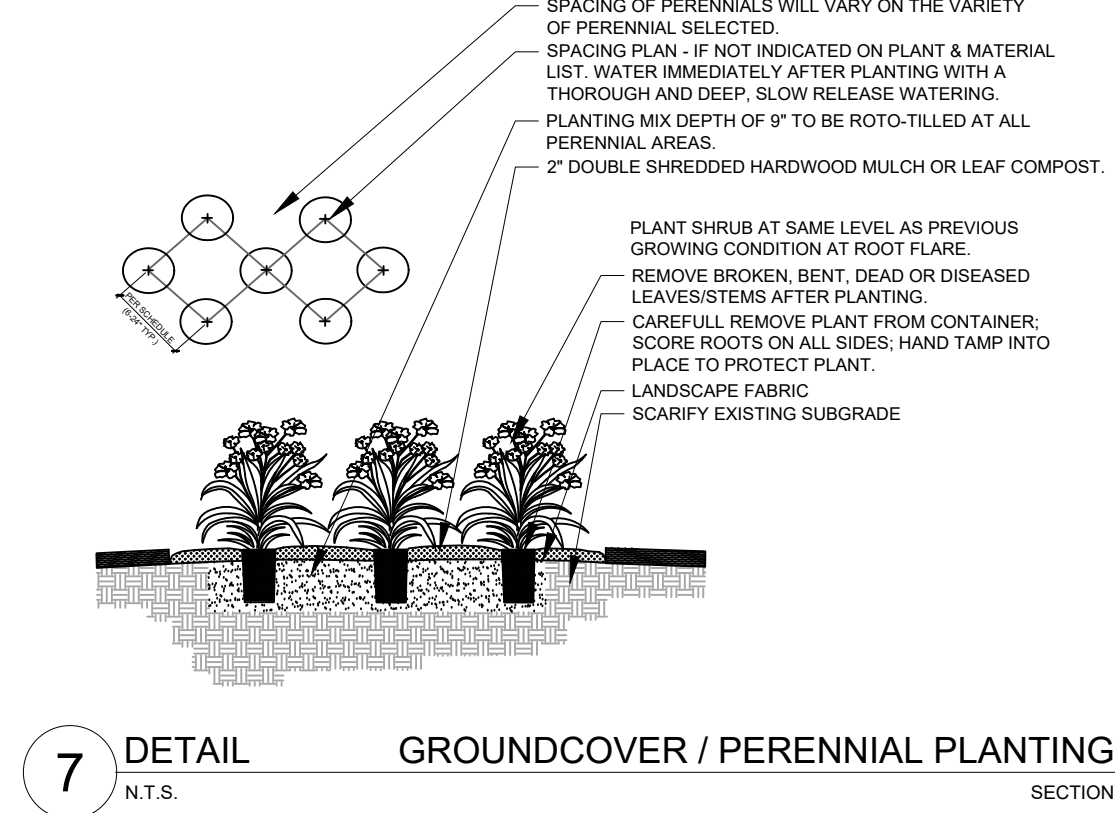
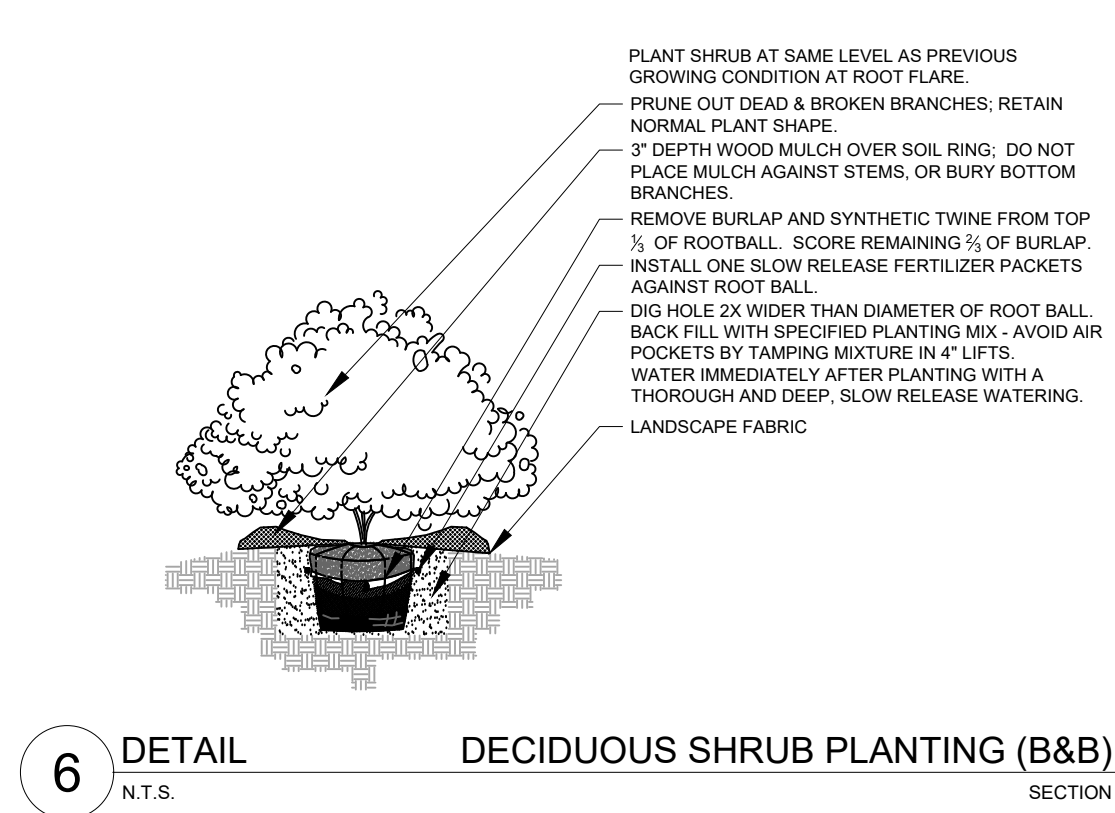
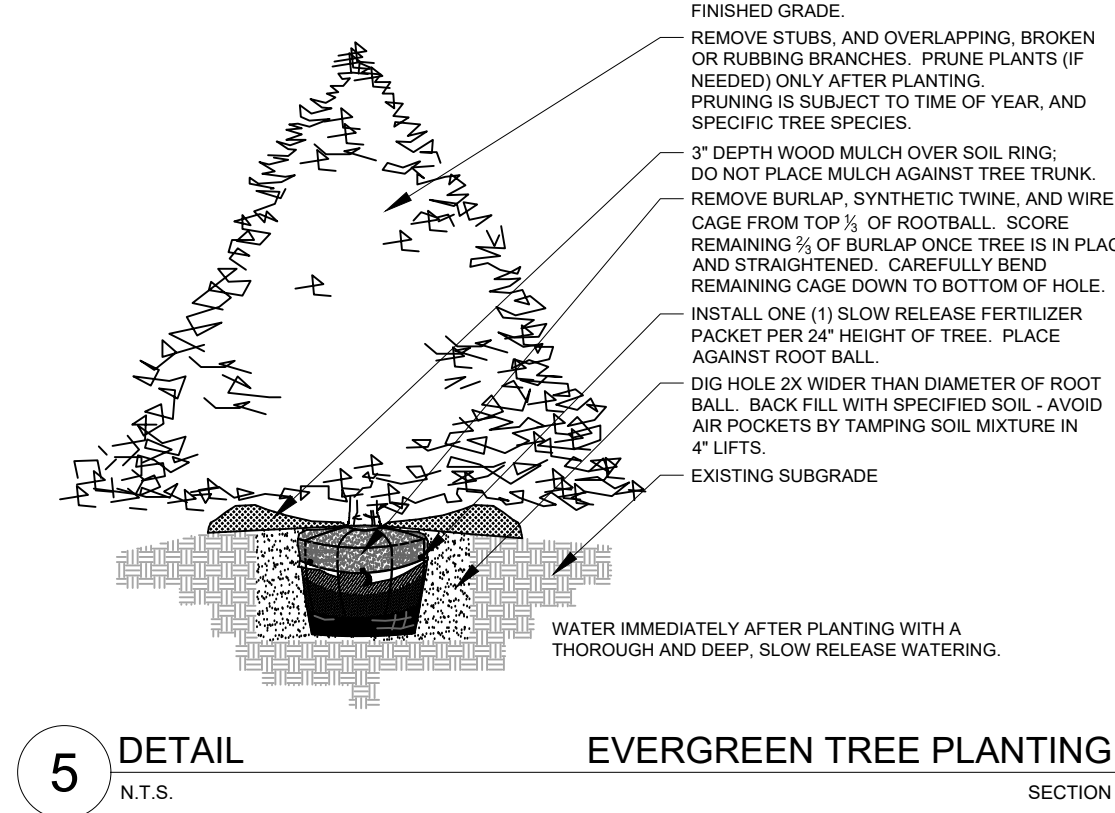
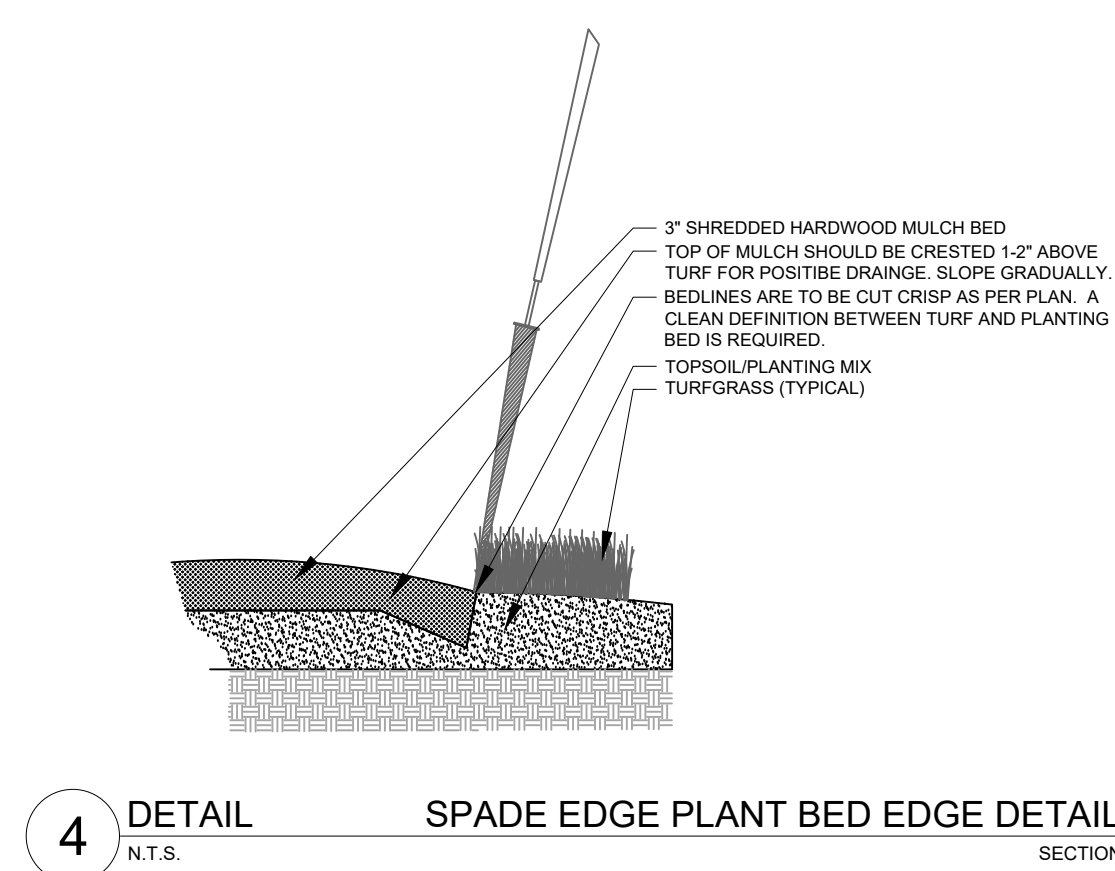
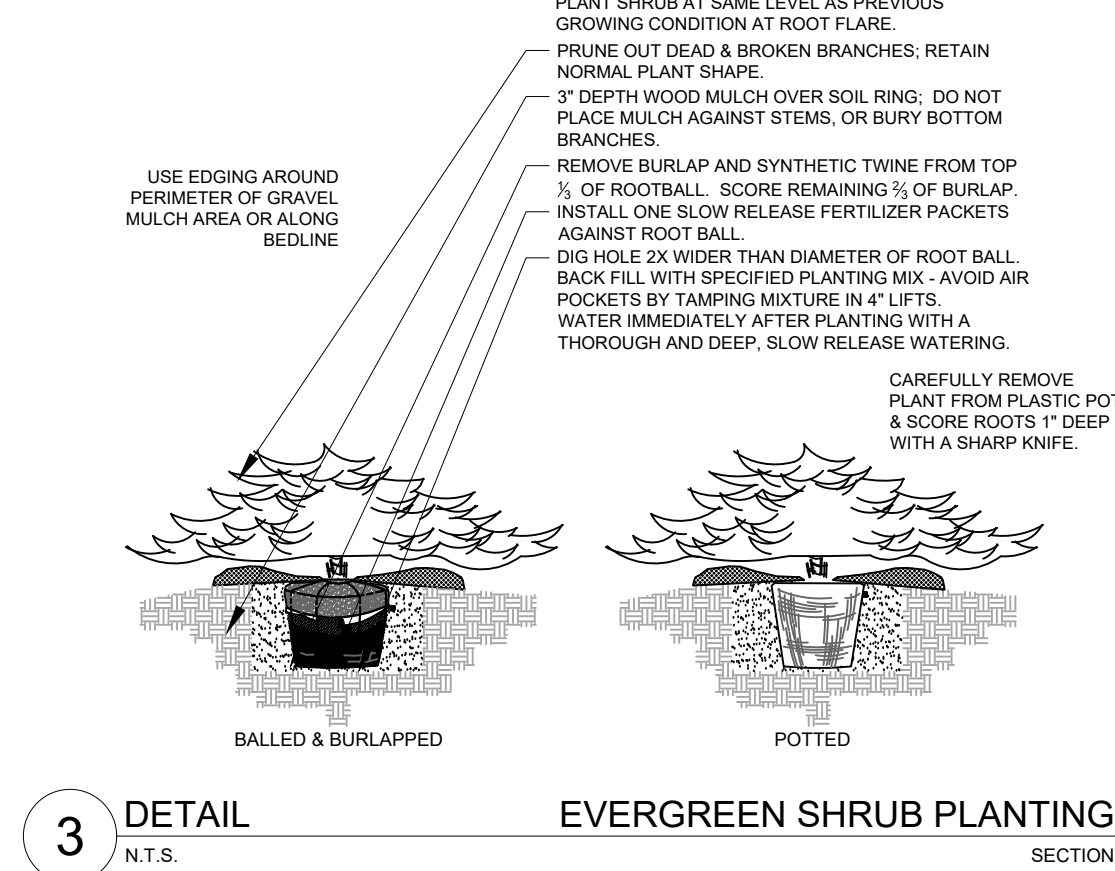
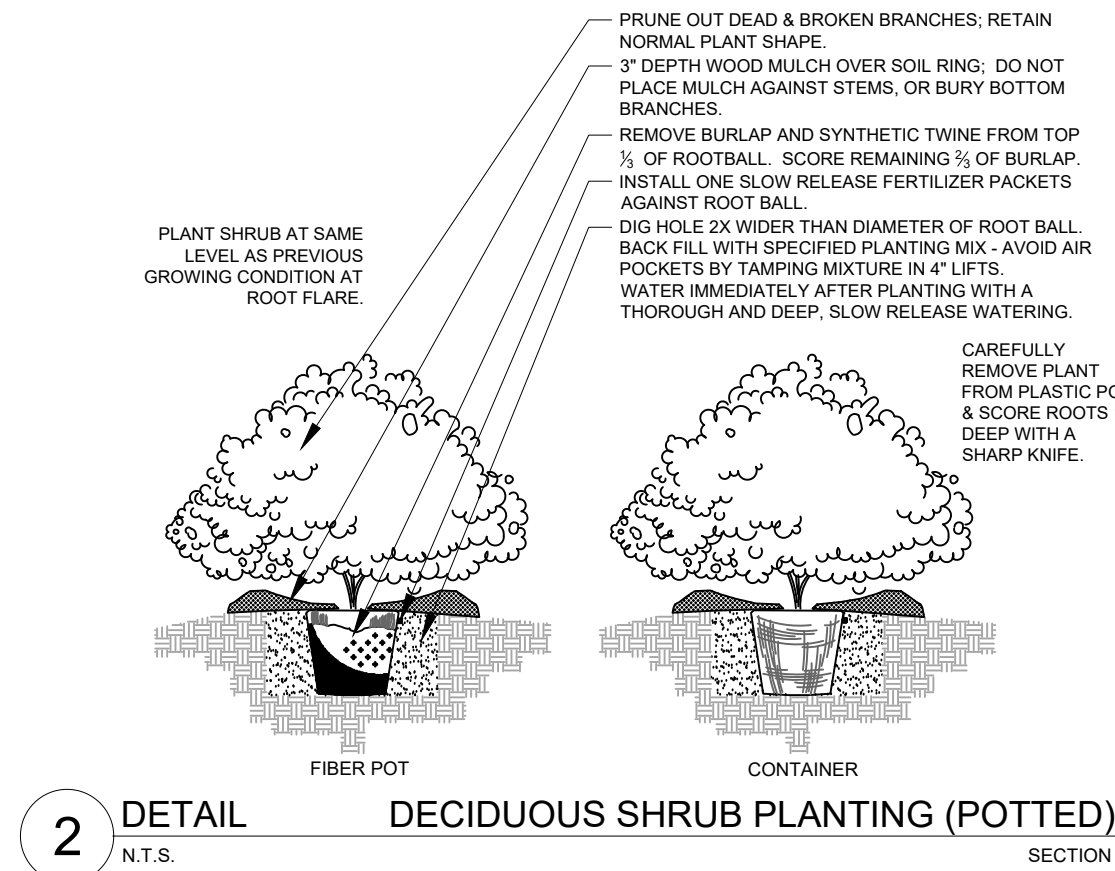
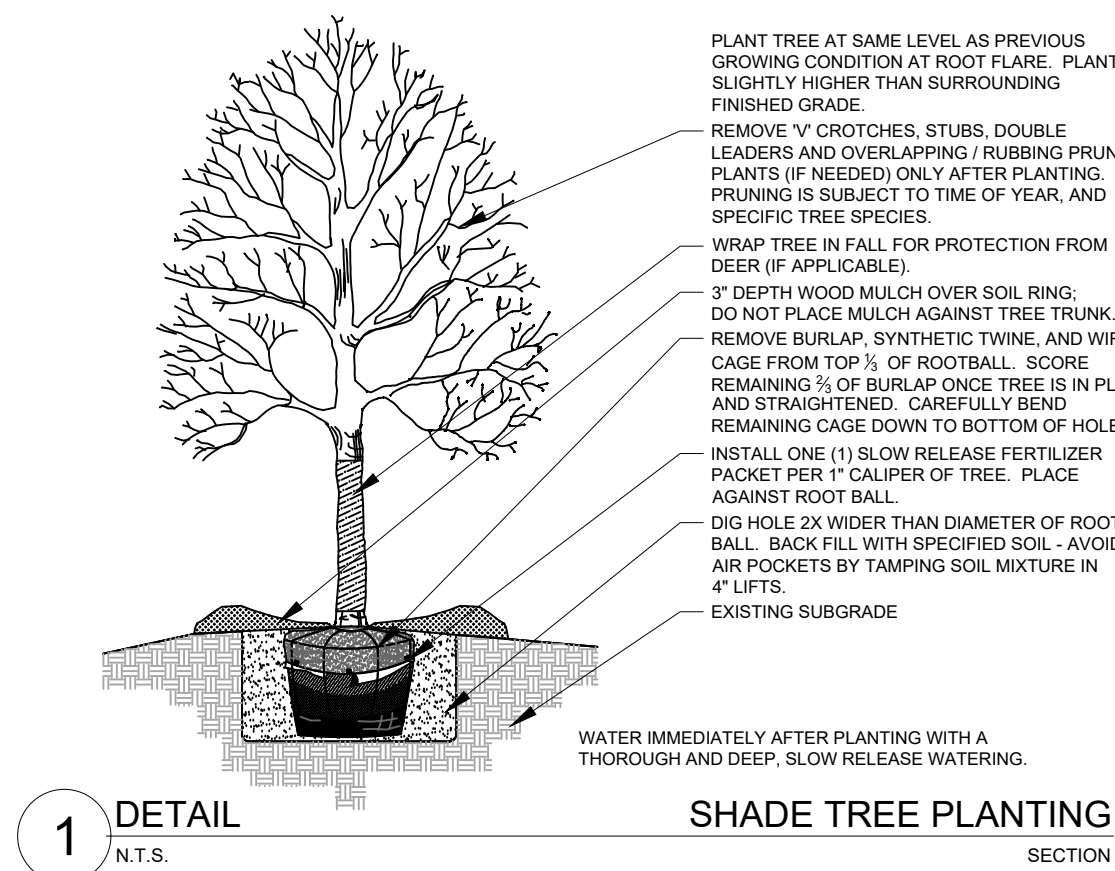
Per 100 SF of bed area (Soil Amendment composition):

- ¾ CY Peat Moss or Mushroom Compost
- ¾ CY blended/pulverized Topsoil
- ¼ CY composted manure

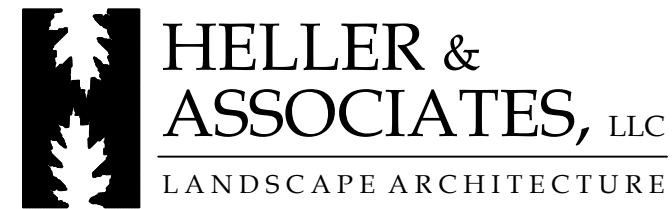
In roto-tilled beds only, also include in above mixture:  
2 lbs Starter Fertilizer

12. Installation preparation for all seeded areas: remove/kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil (if adequate or provide as in item #6 above) and seed bed by removing all surface stones 1" or larger. Apply a starter fertilizer (20-10-5, or approved comparable) and specified seed uniformly at the specified rate, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer specifications to Landscape Architect and Owner prior to installation. Erosion control measures are to be used in swales and on slopes in excess of 1:3 and where applicable (see Civil Engineering Drawings). Methods of installation may vary are the discretion of the Landscape Contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. A minimum of 2" of blended, prepared and non-compacted topsoil is required for all lawn areas. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind dispersal of mulch covering. Marsh hay containing reed canary grass is NOT acceptable as a mulch covering.
- An acceptable quality seed installation is defined as having:  
No bare spots larger than one (1) square foot  
No more than 10% of the total area with bare areas larger than one (1) square foot  
A uniform coverage through all turf areas
13. Warranty and Replacements: All plantings are to be watered thoroughly at the time of planting, through construction and upon completion of project as required. Trees, Evergreens, and Shrubs (deciduous and evergreen) shall be guaranteed (100% replacement) for a minimum of one (1) year from the date of project completion. Perennials, groundcovers, and ornamental grasses shall be guaranteed for a minimum of one (1) year from the date of project completion. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Watering and general ongoing maintenance instructions are to be supplied by the Landscape Contractor to the Owner upon completion of the project.
14. The Landscape Contractor is responsible for the watering and maintenance of all landscape areas for a period of 45 days after the substantial completion of the landscape installation. This shall include all trees, shrubs, evergreens, perennials, ornamental grasses, turf grass, no-mow grass, and native prairie seed mix / stormwater seed mix. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.
15. Project Completion: Landscape Contractor is responsible to conduct a final review of the project, upon completion, with the Landscape Architect, Client or Owner / Client Representative, and the General Contractor to answer questions, provide written care instructions for new plantings and turf, and insure that all specifications have been met.

## LANDSCAPE GENERAL NOTES



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PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CALIPER/HEIGHT SIZE	ROOT	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				

### Proposed Landscape Materials

#### SHADE TREES (DECIDUOUS)

ARM	2	Acer xfreemanii 'Armstrong'	Armstrong Red Maple	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
GMSM	1	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
SWO	2	Quercus bicolor	Swamp White Oak	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
BC	2	Taxodium distichum	Bald Cypress	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
VFE	1	Ulmus americana 'Valley Forge'	Valley Forge American Elm	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		SHRUB SIZE (HEIGHT)	ROOT/ CONT.	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				

#### DECIDUOUS SHRUBS

TBS	12	Spirea betulifolia 'Tor'	Tor Birchleaf Spirea	#5	Cont.	Full, well rooted plant, evenly shaped	48"
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PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				

#### ORNAMENTAL GRASSES

NWSG	56	Panicum virgatum 'Northwind'	Northwind Switch Grass	#1	Cont.	Full, well rooted plant	18"
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PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				

#### HERBACEOUS PERENNIALS

SBA	27	Allium 'Summer Beauty'	Summer Beauty Allium	#1	Cont.	Full, well rooted plant, evenly shaped	18"
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PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				

#### GROUNDCOVERS & VINES

CLT	72	Liripoe spicata	Creeping Lilly Turf	Qt.	Pot	Full, well rooted plant	12"
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PLAN KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		SPECIFIED SEED MIX / SOD					

LAWN	15822	Lawn Establishment Area / Grading Area					
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	15822	Erosion Matting for sloped seeded areas	see plan for area delineation		SF	EroTex D575 Erosion Control Blanket (or approved equal)	
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#### Hardscape Materials

145	Aluminum Edge Restraint (mulch strip)	Permaloc ProSlide 3/16"x5.5" Black Duraflex Finish	LF				
300	Landscape Fabric	SF	SF				
15	Shredded Hardwood Mulch (3" depth)	Area: 1,200 SF	CY			Bark Mulch; apply Preemergent after installation of mulch	
10	Soil Amendments (2" depth)	Area: 1,200 SF	CY				
50	Pulverized Topsoil (Lawn Area)	Area: 15,825 SF	CY				
10	Pulverized Topsoil (2" over bed areas)	Area: 1,200 SF	CY				

\*Landscape counts & quantities are provided as a service to the Landscape Contractor; Landscape Contractor is responsible for verifying these counts and quantities in order to provide a complete landscape installation as outlined on this Landscape Master Plan. In the event that a discrepancy occurs between this schedule and the Landscape Master Plan, the Landscape Master Plan- including the graphics and notations depicted therein- shall govern.

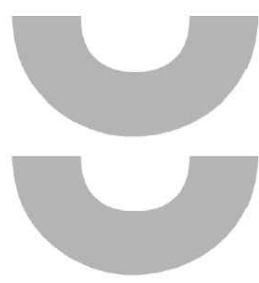
#### Seed Compositions:

Reinder's Deluxe 50 Seed Mix (800-785-3301):

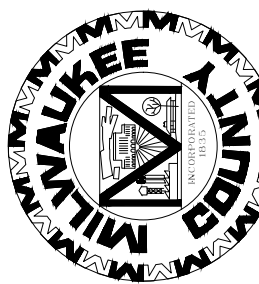
- 20% Kentucky Bluegrass (Sod Quality)
- 15% Newport Kentucky Bluegrass
- 15% Ken Blue Kentucky Bluegrass
- 25% Creeping Red Fescue

Seed at rate of 150-200# per acre

## PLANT & MATERIAL SCHEDULE



T 414.220.9640  
751 N Jefferson St.  
Suite 200  
Milwaukee, WI 53202



REVISIONS:

DATE:

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SITE NO: **360**

BUILDING NO: **5000**

CAP PROJECT #: **180802**

PROJECT STATUS: **Design Development**  
**LANDSCAPE**  
**DETAILS,**  
**NOTES &**  
**SCHEDULES**

**L1.2**



*Armstrong Red Maple    Freemani Maple*  
*Acer xfreemani 'Armstrong'*

*Family:*    Aceraceae



*Armstrong Maple (fall color, form)*

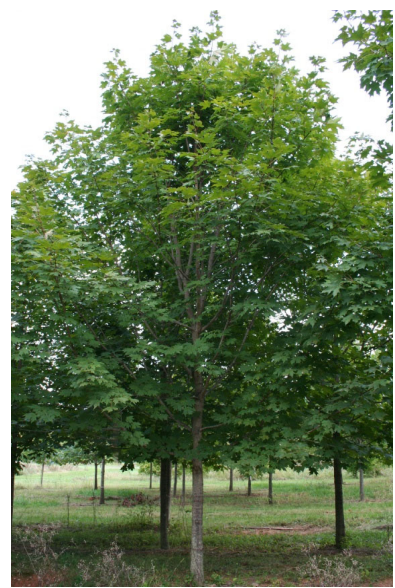
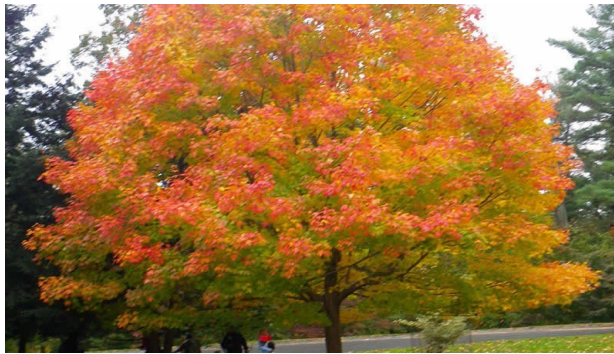


<i>Plant Type:</i>	Shade Tree	<i>Height:</i>	40-70'
	Regionally Native	<i>Spread:</i>	12-20'
<i>USDA Hardiness Range:</i>	3A to 9A	<i>Form:</i>	Narrow / Fastigate
<i>Growth Rate:</i>	Average		
<i>Exposure:</i>	Partial Shade to Full Sun		
<i>Moisture:</i>	Moist Sand to Some Clay		
<i>Salt Tolerance:</i>	Mild		
<i>Soil Tolerance:</i>	Acidic to slightly alkaline soils 4.0-7.5		
<i>Bloom Color:</i>	Red		
<i>Bloom Time:</i>	Early to Mid Spring		
<i>Fruits:</i>	None	<i>Persistence:</i>	None
<i>Leaf Color:</i>	Green	<i>Fall Color:</i>	Yellow to Orange to Red
<i>Winter Interest:</i>	Interesting, smooth, light gray bark color.		
<i>Tolerances:</i>	Deer, drought, pollution, slope and wind.		
<i>Notes of Interest:</i>	Fast growing columnar tree. Excellent as a street tree especially in narrow places. Exhibits strong resistance to extreme environmental conditions. This plant is now considered a Freeman Maple which is a red-silver hybrid. Best planted in full sun to partial shade in moist, well-drained soil; plant is adaptable Tolerates occasional flooding and is somewhat salt tolerant.		

*ARM    Armstrong Red Maple*  
*Freemani Maple*  
*Shade Tree*

*Green Mountain Sugar Maple*  
*Acer saccharum 'Green Mountain'*

Family: Aceraceae



<i>Plant Type:</i>	Shade Tree	<i>Height:</i>	50-65'
	Regionally Native	<i>Spread:</i>	35-50'
<i>USDA Hardiness Range:</i>	3B to 8A	<i>Form:</i>	Oval and Rounded
<i>Growth Rate:</i>	Average		
<i>Exposure:</i>	Partial Shade to Full Sun		
<i>Moisture:</i>	Will tolerate moist & dry soils		
<i>Salt Tolerance:</i>	None		
<i>Soil Tolerance:</i>	Acidic to slightly alkaline (Less than 6.8-7.7)		
<i>Bloom Color:</i>	Green		
<i>Bloom Time:</i>	Early to Mid Spring		
<i>Fruits:</i> None	<i>Persistence:</i> None		
<i>Leaf Color:</i> Green	<i>Fall Color:</i> Orange, Red and Yellow		
<i>Winter Interest:</i>	Rounded branching		
<i>Tolerances:</i>	This plant tolerates some drought		
<i>Notes of Interest:</i>	This plant tolerates some drought This plan will grow in dry soil Suitable soil is well-drained/loamy, sandy or clay This plant has attractive fall colors		

*GMSM Green Mountain Sugar Maple*  
 Shade Tree



## Swamp White Oak

*Quercus bicolor*

Family: Fagaceae

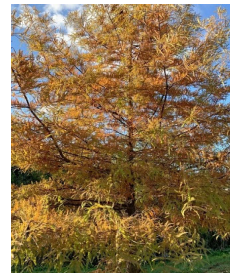


<i>Plant Type:</i>	Shade Tree Regionally Native	<i>Height:</i>	50-60'
<i>USDA Hardiness Range:</i>	3 to 8	<i>Spread:</i>	50-60'
		<i>Form:</i>	Round
<i>Growth Rate:</i>	Average		
<i>Exposure:</i>	Partial Shade to Full Sun		
<i>Moisture:</i>	Tolerant of a wide range of soils		
<i>Salt Tolerance:</i>	Yes		
<i>Soil Tolerance:</i>	Moderate Soils 5.0 - 5.5		
<i>Bloom Color:</i>	Insignificant		
<i>Bloom Time:</i>	Early Spring		
<i>Fruits:</i> Acorns	<i>Persistence:</i> No		
<i>Leaf Color:</i> Green	<i>Fall Color:</i> Yellowish Orange		
<i>Winter Interest:</i>	Interesting light gray bark color.		
<i>Tolerances:</i>	Deer, drought, pollution, salt, & wet conditions.		
<i>Notes of Interest:</i>	Transplant well Tolerant of black walnut toxicity Tolerant of urban locations		

*SWO Swamp White Oak*  
*Shade Tree*

*Bald Cypress*  
*Taxodium distichum var. distichum*

Family: Cupressaceae



<i>Plant Type:</i>	Shade Tree Regionally Native	<i>Height:</i>	50-70'
<i>USDA Hardiness Range:</i>	4 to 9	<i>Spread:</i>	25-45'
		<i>Form:</i>	Oval and Rounded
<i>Growth Rate:</i>	Average		
<i>Exposure:</i>	Full Sun		
<i>Moisture:</i>	Medium to Wet soils		
<i>Salt Tolerance:</i>	None		
<i>Soil Tolerance:</i>	Slightly acid, sandy soils (Less than 6.5)		
<i>Bloom Color:</i>	Brown		
<i>Bloom Time:</i>	Non-Flowering		
<i>Fruits:</i>	Purple-Greenish Co	<i>Persistence:</i>	Yes
<i>Leaf Color:</i>	Green	<i>Fall Color:</i>	Orange, Cinnamon Brown
<i>Winter Interest:</i>	Overall form of tree		
<i>Tolerances:</i>	Good Fall Color		
<i>Notes of Interest:</i>	Good Fall Color Showy Fruits (cones) Easily grown in average, moist to wet soils. This plant has attractive fall colors This plant tolerates standing water		

*BC Bald Cypress*  
 Shade Tree



*Valley Forge Elm*  
*Ulmus americana 'Valley Forge'*

Family: Ulmacea



<i>Plant Type:</i>	Shade Tree	<i>Height:</i>	60-70 Feet
	Native	<i>Spread:</i>	50-60 Feet
<i>USDA Hardiness Range:</i>	5 to 9	<i>Form:</i>	Large, Vase Shaped
<i>Growth Rate:</i>	Slow to Moderate		
<i>Exposure:</i>	Full Sun		
<i>Moisture:</i>	Will tolerate wet & dry soils		
<i>Salt Tolerance:</i>	None		
<i>Soil Tolerance:</i>	Slightly acidic soils 4.0-7.5		
<i>Bloom Color:</i>	Green (non-showy)		
<i>Bloom Time:</i>	March-April		
<i>Fruits:</i>	Wafer-Like Ovals	<i>Persistence:</i>	None
<i>Leaf Color:</i>	Dark Green	<i>Fall Color:</i>	Yellow
<i>Winter Interest:</i>	Interesting silhouette		
<i>Tolerances:</i>	Widely adaptable soils		
<i>Notes of Interest:</i>	Dutch Elm Disease resistance Good Street Tree Urban Tolerant Tolerant of Light Shade Useful at Rain Garden Edges		

VFE

*Valley Forge Elm*  
*Shade Tree*



*Tor Birchleaf Spirea*  
*Spirea betulifolia 'Tor'*

Family: Rosaceae



<i>Plant Type:</i>	Deciduous Shrub (small) Non-Native	<i>Height:</i>	24-36"
<i>USDA Hardiness Range:</i>	4 to 8	<i>Spread:</i>	24-36"
		<i>Form:</i>	Irregular rounded
<i>Growth Rate:</i>	Medium		
<i>Exposure:</i>	Full Sun		
<i>Moisture:</i>	Will tolerate dry soils and some drought		
<i>Salt Tolerance:</i>	None		
<i>Soil Tolerance:</i>	Prefers slightly acid, moist soils 6.8 - 7.7		
<i>Bloom Color:</i>	Petite White		
<i>Bloom Time:</i>	Summer		
<i>Fruits:</i>	None		
<i>Persistence:</i>	None		
<i>Leaf Color:</i>	Deep Green		
<i>Fall Color:</i>	Burgundy / Red		
<i>Winter Interest:</i>	None		
<i>Tolerances:</i>	Slight Drought and Slight Wet Soils		
<i>Notes of Interest:</i>	<ul style="list-style-type: none"><li>◦ Flowers are showy; Attracts Butterflies; Fragrant Flowers;</li><li>◦ Compact, low to the ground</li><li>◦ Low-maintenance shrub</li><li>◦ Stunning fall color</li><li>◦ Easy to grow, resitant shrub</li><li>◦ Deer resistant</li><li>◦ Prune after flowering</li></ul>		

*TBS Tor Birchleaf Spirea*  
*Deciduous Shrub (small)*



*Northwind Switch Grass*      **NWSG**  
*Panicum virgatum 'Northwind'*



**Family:** Poaceae



<i>Plant Type:</i>	Ornamental Grass	<i>Height:</i>	4-6'
<i>USDA Hardiness Range:</i>	5 to 9	<i>Spread:</i>	24-30"
<i>Growth Rate:</i>	Moderate	<i>Form:</i>	Upright
<i>Exposure:</i>	Full Sun / Part Shade		
<i>Moisture:</i>	Medium to Wet		
<i>Salt Tolerance:</i>	Moderate		
<i>Soil Tolerance:</i>	Prefers moist, sandy or clay soil		
<i>pH Preference:</i>	slightly acidic to slightly alkaline (less than 6.8 to 7.7)		
<i>Bloom Color:</i>	Yellow		
<i>Bloom Time:</i>	July to February		
<i>Fruits:</i> No	<i>Persistence:</i> N/A		
<i>Leaf Color:</i>	Green		
<i>Fall Color:</i>	Yellow		
<i>Winter Interest:</i>	Ornamental Grass		
<i>Tolerances:</i>	Drought Tolerant Air Pollution		
<i>Notes of Interest:</i>	Winter Interest		

**NWSG**

*Northwind Switch Grass*  
 Ornamental Grass



## Summer Beauty Allium

*Allium 'Summer Beauty'*

Family: Amaryllidaceae



<i>Plant Type:</i>	Perennial (Herbaceous) Non-Native	<i>Height:</i>	12-18"
<i>USDA Hardiness Range:</i>	5 to 8	<i>Spread:</i>	18-24"
		<i>Form:</i>	Mounded
<i>Growth Rate:</i>	Average		
<i>Exposure:</i>	Part Sun to Full Sun		
<i>Moisture:</i>	Rich, humus, moist soils; some dry soils		
<i>Salt Tolerance:</i>	Moderate		
<i>Soil Tolerance:</i>	The pH preference is an acidic to slightly alkaline Less than 6.8 to 7.7)		
<i>Bloom Color:</i>	Rose-Pink		
<i>Bloom Time:</i>	Summer		
<i>Fruits:</i>	None		
<i>Persistence:</i>	None		
<i>Leaf Color:</i>	Green		
<i>Fall Color:</i>	No change		
<i>Winter Interest:</i>	Dried Flowers		
<i>Tolerances:</i>	Deer & Rabbit Resistant		
<i>Notes of Interest:</i>	<ul style="list-style-type: none"><li>◦ This plant has attractive foliage</li><li>◦ Flowering low perennial excellent for borders</li><li>◦ Flowers are showy, fragrant, &amp; suitable for cutting / dried flowers</li><li>◦ This plant is good for containers</li><li>◦ This plant attracts bees, butterflies, and other pollinators</li></ul>		

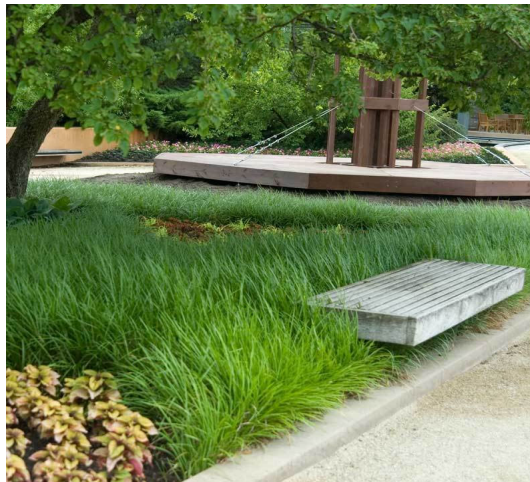
*SBA Summer Beauty Allium*  
*Perennial (Herbaceous)*



## Creeping Lily Turf

*Liriope spicata*

Family: Asparagaceae



<i>Plant Type:</i>	Ground Cover
<i>USDA Hardiness Range:</i>	4 to 9
<i>Growth Rate:</i>	Average
<i>Exposure:</i>	Full Sun / Partial Shade
<i>Moisture:</i>	Dry to Medium
<i>Salt Tolerance:</i>	Moderate
<i>Soil Tolerance:</i>	Well-drained/loamy/sandy/clay
<i>pH Preference:</i>	more than 7.0 pH
<i>Bloom Color:</i>	Purple and White
<i>Bloom Time:</i>	Late Summer
<i>Fruits:</i> No	<i>Persistence:</i> N/A
<i>Leaf Color:</i>	Green
<i>Fall Color:</i>	N/A
<i>Winter Interest:</i>	N/A
<i>Tolerances:</i>	Drought Tolerant Heavy Shade
<i>Notes of Interest:</i>	Erosion Control

<i>Height:</i>	8-12"
<i>Spread:</i>	8-12"
<i>Form:</i>	Clump

CLT Creeping Lily Turf  
Ground Cover