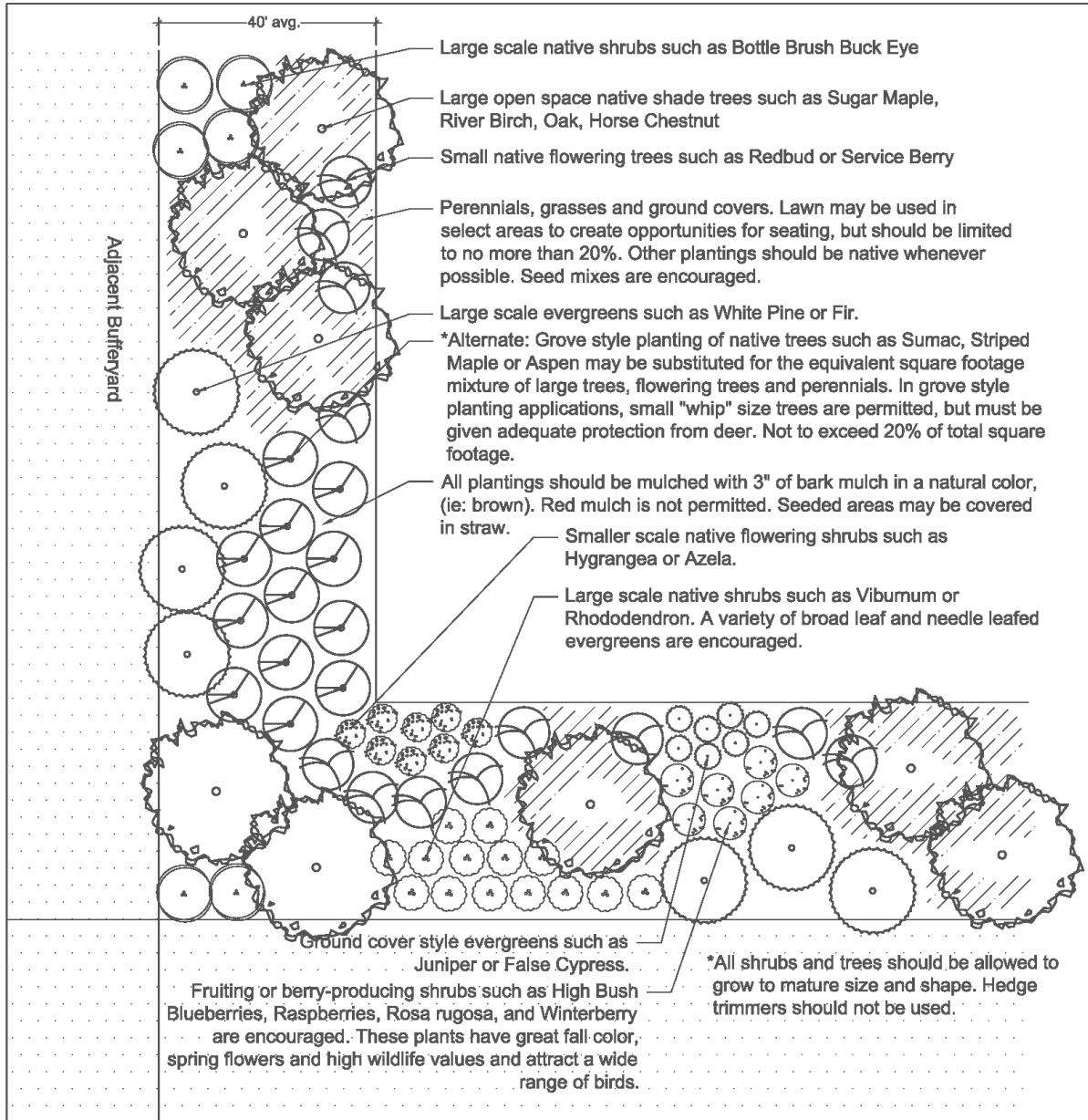


ZONING

27 Attachment 5

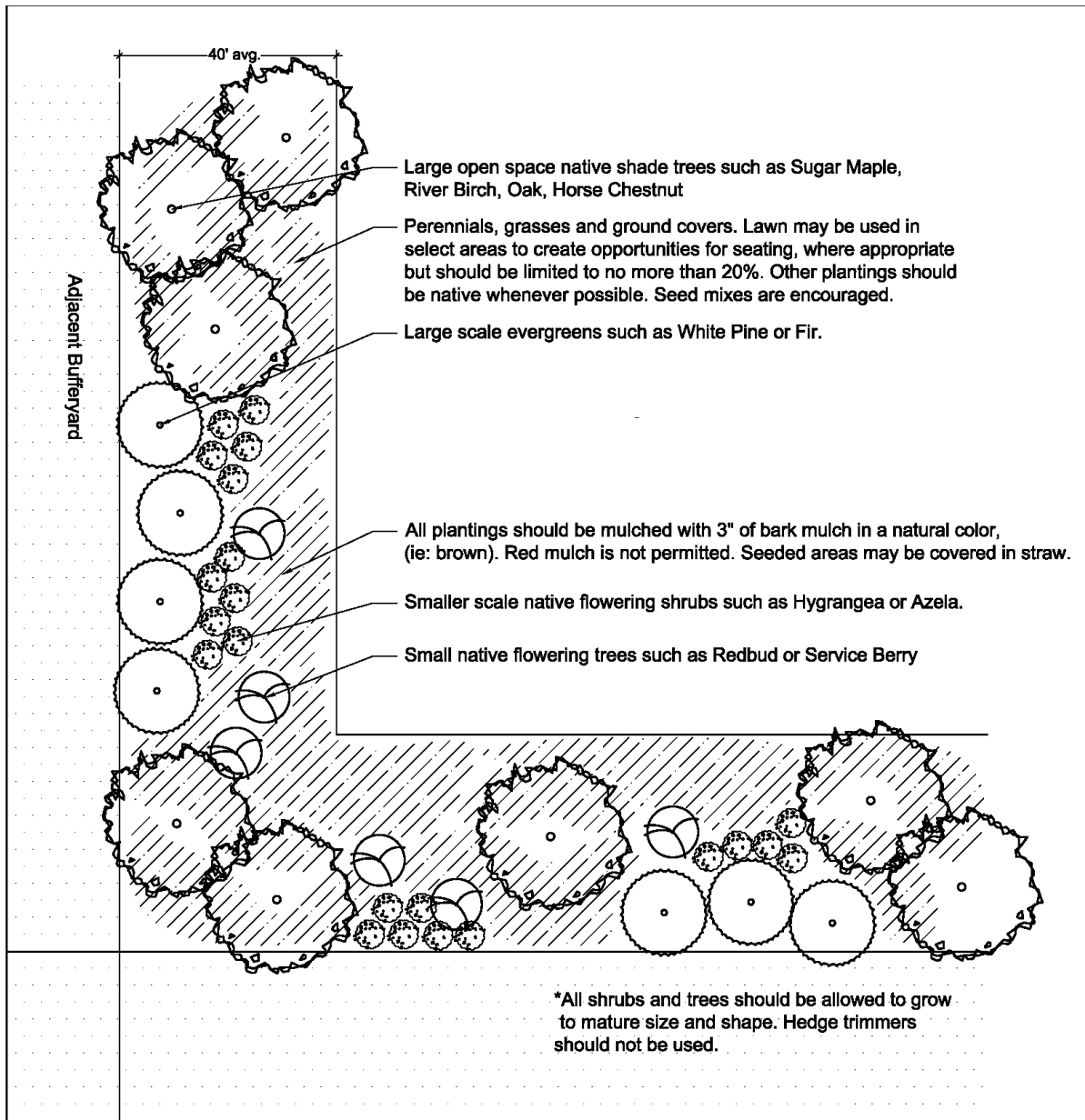
Township of Moon

Bufferyard and Landscaping Requirements



 <p>Eisler LANDSCAPES</p>	<p>SCALE: NTS</p>	<p>Bufferyard 1 Conceptual Plan Forest Style Planting</p>
	<p>DATE: October 2013</p>	
	<p>DRAWN BY: Jennifer Deemer</p>	

MOON CODE



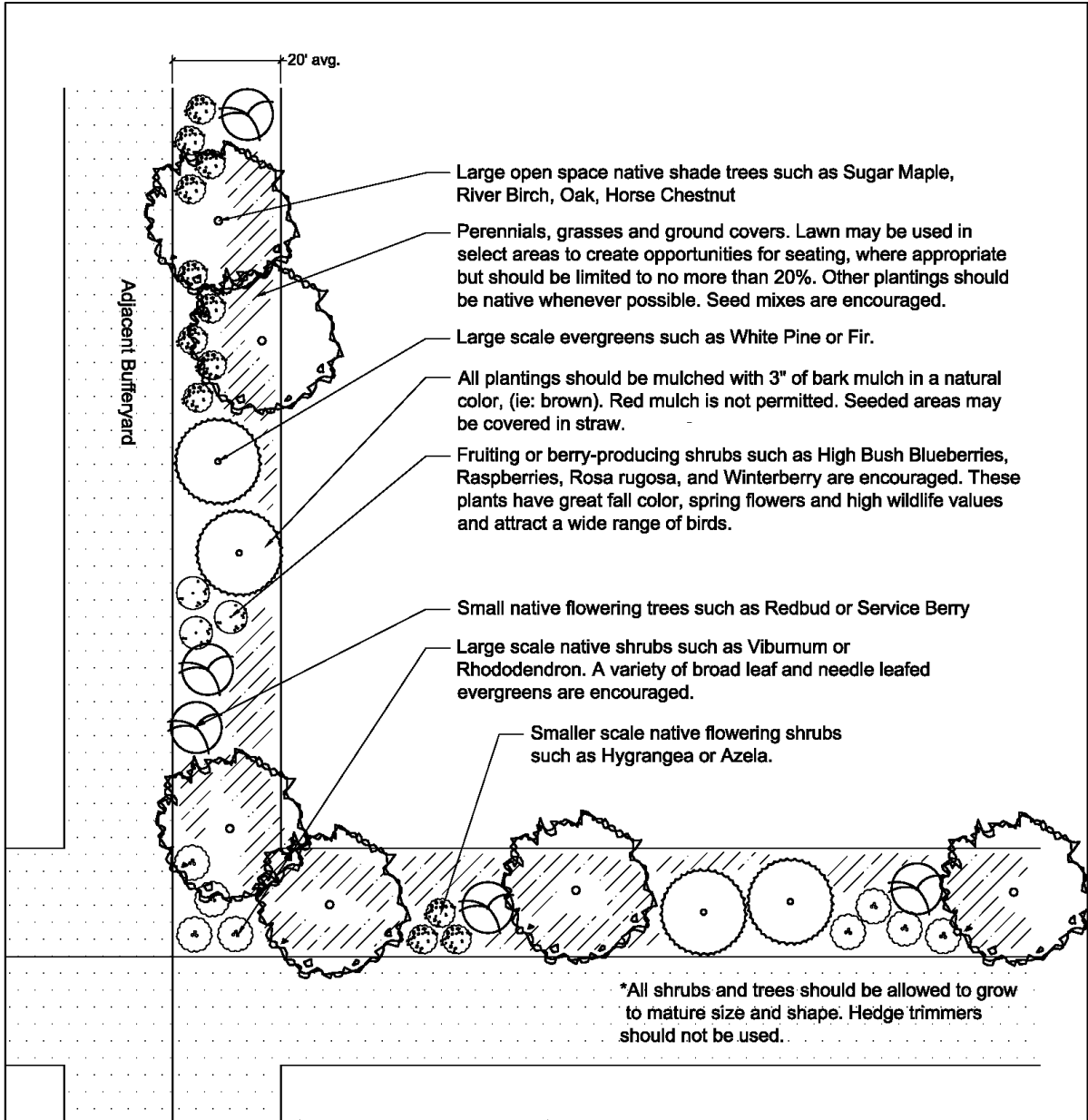
SCALE:
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DATE:
July 2013

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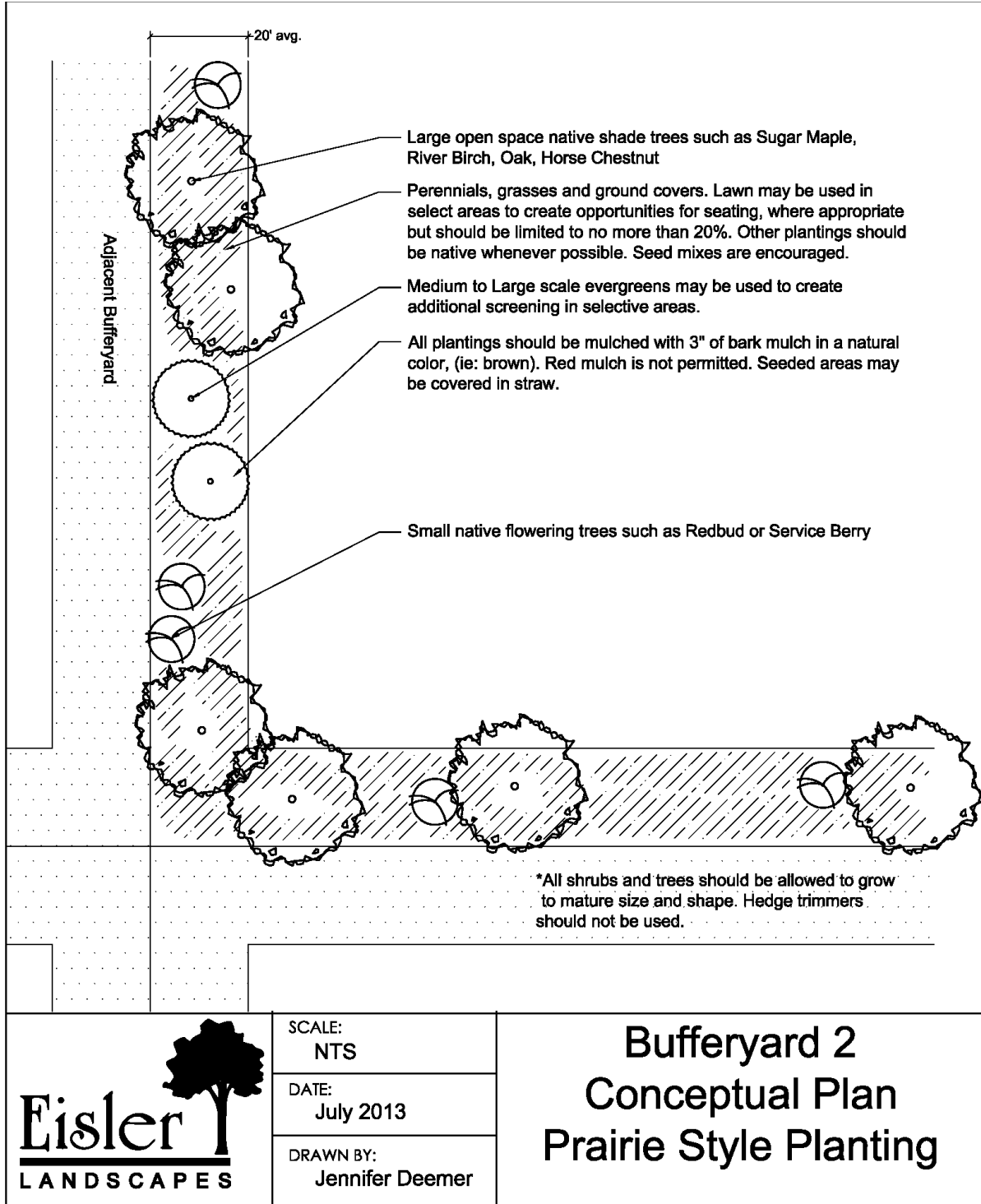
**Bufferyard 1
Conceptual Plan
Prairie Style Planting**

ZONING

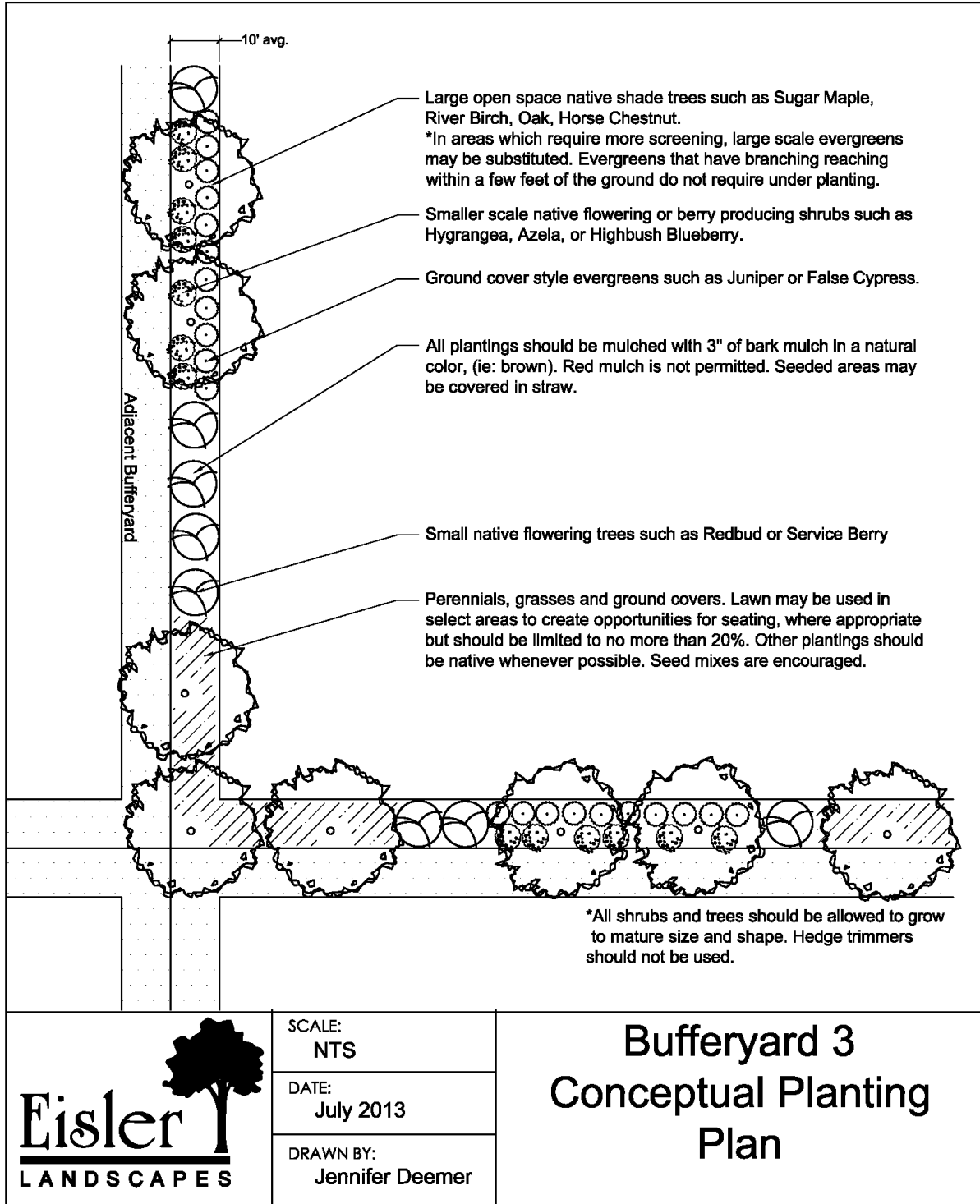


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	DATE: July 2013	
	DRAWN BY: Jennifer Deemer	

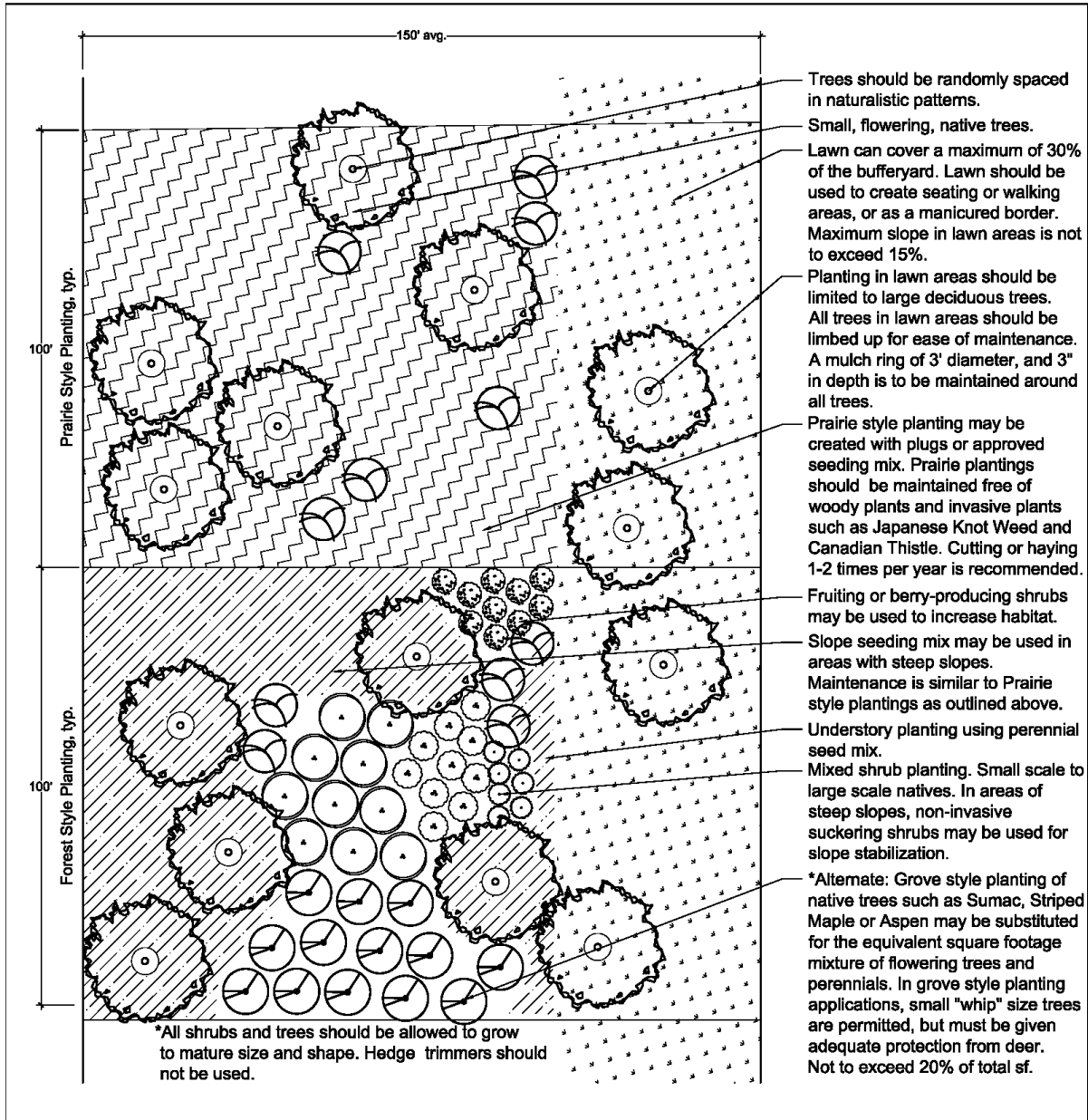
MOON CODE



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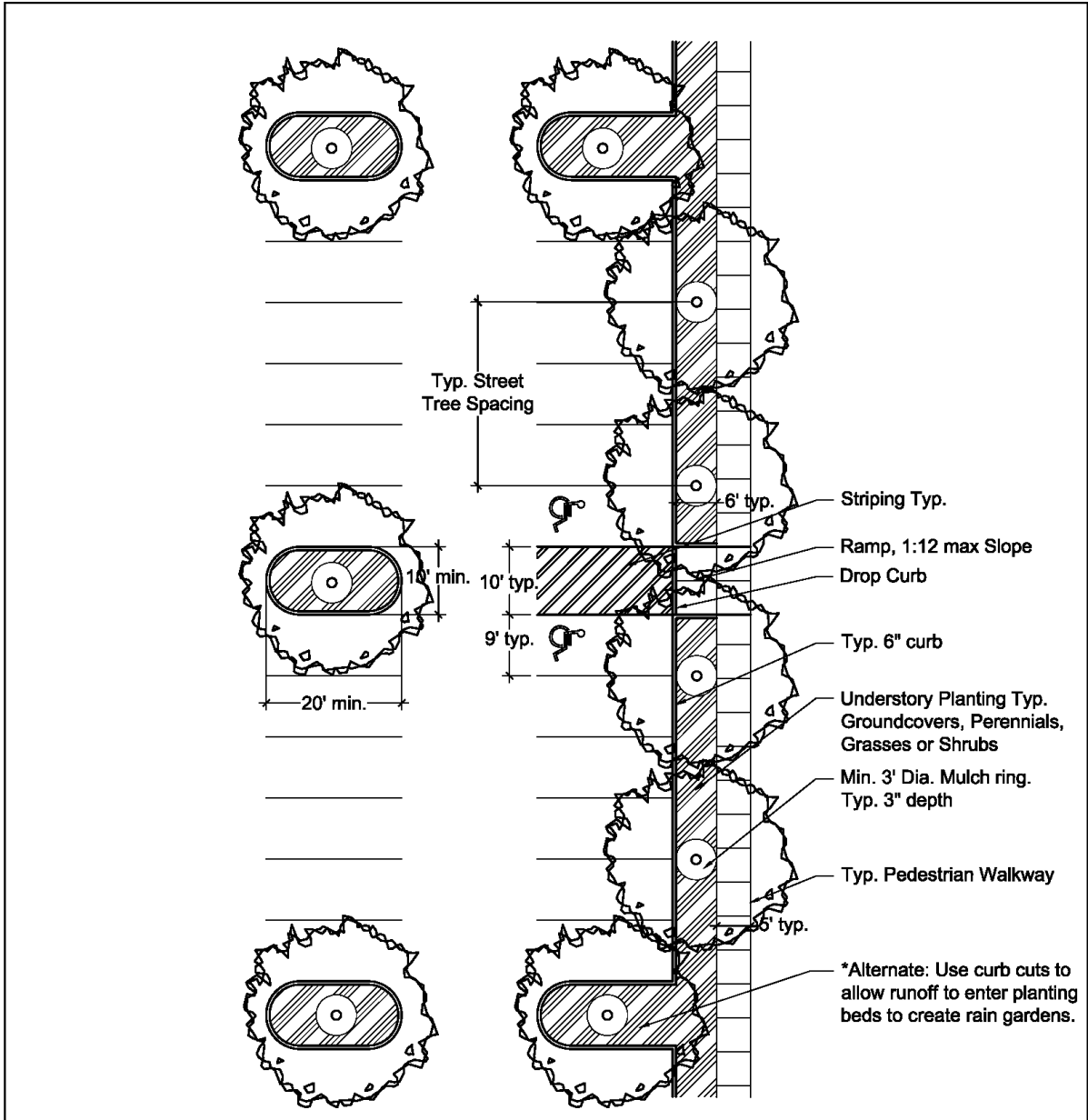
SCALE:
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DATE:
July 2013

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Jennifer Deemer

Special Bufferyard Conceptual Planting Plan

ZONING

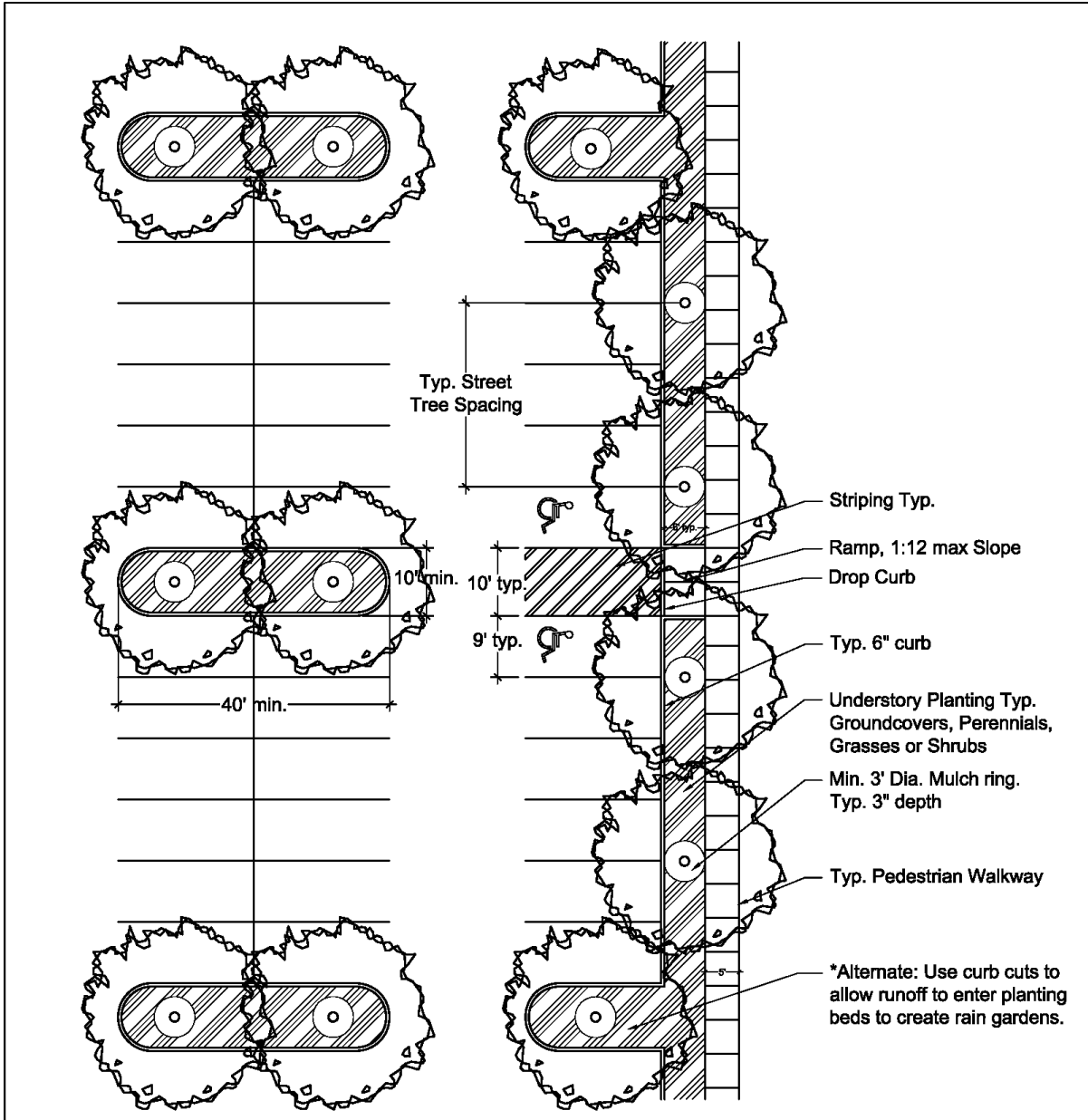


SCALE:
NTS

DATE:
July 2013

DRAWN BY:
Jennifer Deemer

Conceptual Parking Lot Island Planter Plan, Single Row



SCALE:
NTS

DATE:
July 2013

DRAWN BY:
Jennifer Deemer

Conceptual Parking Lot Island Planter Plan, Double Row

ZONING

Township of Moon, Bufferyard Minimum Plant Quantities (per 100 lf)								
Plant Type	Specifications	Buffer 1		Buffer 2		Buffer 3	Special Buffer	
		Forest	Prairie	Forest	Prairie		Forest	Prairie
Trees								
Large Shade Trees		3 per 100 lf	3 per 100 lf	2 per 100 lf	2 per 100 lf	3 per 100 lf	7 per 100 lf	8 per 100 lf
Large Evergreen Trees		2 per 100 lf	2 per 100 lf	1 per 100 lf	1 per 100 lf	n/a	as needed	as needed
Small Ornamental Trees		4 per 100 lf	2 per 100 lf	2 per 100 lf	2 per 100 lf	3 per 100 lf	6 per 100 lf	7 per 100 lf
Grove Style Trees		10' o.c. Spacing when used	n/a	n/a	n/a	n/a	10' o.c. Spacing when used	n/a
Other Plants								
Shrubs	All shrubs must meet the minimum American Standard for Nursery Stock (ANSI Z60.1) standards for its type and size. Minimum size is three gallon or equivalent.	16 per 100 lf	7 per 100 lf	7 per 100 lf	n/a	11 per 100 lf	50 per 100 lf	n/a
Perennials		821 sf per 100 lf	1800 sf per 100 lf	614 sf per 100 lf	1033 sf per 100 lf	242 sf per 100 lf	310 sf per 100 lf	as needed
Prairie Mix	Many suitable mixes are available through online seed catalogs such as Ernst Seed Co. Seed mixes should contain native species only and be selected based on site conditions, and contain a minimum of 10 wildflowers, and 3 or more grasses. (ERNMX-230-1) PA Valley & Ridge Province UPL Meadow (ERNMX-221) PA South Allegheny Plateau Province FACW (ERNMX-222) PA Southern Allegheny Plateau Province OBL (ERNMX-223) PA Southern Allegheny Plateau Province Riparian Mix	as needed		as needed		n/a	4980 sf per 100 lf	10266 sf per 100 lf
Slope Mix	Slope Mixes must be non-invasive, stabilize slopes within one growing season, and need little maintenance. Cutting 1-2 times per year is suggested. Prairie Nursery item #50092 No-Mow Lawn Mix w/ Rye (ERNMX-104) Quick Erosion Control Cover Mix (ERNMX-111) Ernst Native Habitat for Strip Mines Mix (ERNMX-181) Native Steep Slope Mix w/Annual Ryegrass (ERNMX-181-1) Native Steep Slope Mix w/ Grain Oats (ERNMX-181-2) Native Steep Slope Mix w/ Grain Rye (ERNMX-194) Flight 93 Memorial Steep Slope Mix	as needed		as needed		n/a	as needed	as needed
Lawn	No-Mow lawn mixes are preferred as they are less maintenance. No-Mow mixes should be cut 1-2 times per year, or once per month for a manicured look. Prairie Nursery item #50091 No-Mow Lawn Mix Prairie Nursery item #50092 No-Mow Lawn Mix with Rye Other acceptable conservation lawn mixes are: (ERNMX-113) Commercial Conservation Mix (ERNMX-114) 5311 Conservation Mix (ERNMX-116) Contractor's Lakeview Conservation Mix (ERNMX-129) Conservation Shade Mix	not to exceed 20% of total sf		not to exceed 20% of total sf		n/a	up to 4420 per 100 lf	up to 4420 per 100 lf

MOON CODE

Recommended Trees											
Suggested species for tree planting in Moon Township. All deciduous trees are appropriate for street trees and parking lot planters unless otherwise noted. Some large shade trees may not be appropriate for small residential lots. Native species should be used whenever possible. While this list is long, it is not exclusive. Trees not mentioned here maybe used with approval given that they meet the site conditions and are disease resistant. In order to create healthier plantings, a variety of trees should be used and in street tree plantings species should be changed every 300 feet.											
Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
Shade Trees and Large Conifers: Preferred in areas of no overhead utilities.											
White Fir	Abies concolor	30-50'		X	X			X	X		Native to American West
Red Maple	Acer rubrum	40-75'	X	X	X					X	Do not use within 5' of sidewalks, aggressive root system. Can be a good street tree if given enough space. Not for use in tree pits. Tends to be over used. Other maples and Sweetgum have similar look.
Silver Maple	Acer saccharinum	60-75'	X	X						X	
Sugar Maple	Acer saccharum	80'	X	X						X	
Freeman Maple	Acer x freemanni	40-55'		X						X	Do not use within 5' of sidewalks, aggressive root system.
Ruby Red Horsechestnut	Aesculus x carnea 'Briotii'	50-75'	X	X	X	X				X	Less mid-summer scorch than <i>hippocastanum</i>
Sweet Birch	Betula lenta	60'	X	X						X	Street tree for residential settings and tree planting strips. Not for use in tree pits.
River Birch	Betula nigra	40-70'	X	X				X		X	
Shagbark Hickory	Carya ovata	60-80'		X							
Mocknut Hickory	Carya tomentosa	50-60'		X							
Hackberry	Celtis occidentalis	50-75'		X							
Katsura Tree	Cercidiphyllum japonicum	40-60'								X	requires more water during establishment trees

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Plant Lists: Trees, page 1 of 6

ZONING

Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
Plume Sawara-Cypress	<i>Chamaecyparis pisifera</i> 'Plumosa'	30-50'			X			X	X		
American Yellowwood	<i>Cladrastis kentukea</i>	30-50'		X			X			X	
Turkish Filbert	<i>Corylus colurna</i>	40-50'	X	X							
American Beech	<i>Fagus grandifolia</i>	50-75'	X	X						X	
Ginko	<i>Ginko biloba</i>	50-80'	X							X	Male only, female has horrible smelling fruit.
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>	60-70'	X	X	X	X					Male may be ok for street tree if given enough space. Not for use in tree pits. Female has flowers that smell like roses
Chinese Juniper	<i>Juniperus chinensis</i>	50-60'			X			X	X		
European Larch	<i>Larix laricina</i>	70-75'	X							X	Large deciduous conifer. May be a good street tree, but better for wet, open spaces. Requires more water for establishment and in drought.
American Sweetgum	<i>Liquidambar styraciflua</i>	60-100'		X	X					X	Spikey fruit may clog drains. Best in open areas.
Tulip Tree	<i>Liriodendron tulipifera</i>	40-100'	X	X		X		X		X	Open areas or large parking islands. Great street tree if given enough space to grow.
Cucumbertree	<i>Magnolia acuminata</i>	50-80'		X		X					
Dawn Redwood	<i>Metasequoia glytostroboides</i>			X							Open areas or large parking islands
Blackgum	<i>Nyssa sylvatica</i>	40-60'	X	X			X	X		X	
American Hophornbeam	<i>Ostrya virginiana</i>			X							
Douglas-Fir	<i>Pseudotsuga menziesii</i>	40-80'		X	X			X	X		
Norway Spruce	<i>Picea abies</i>	40-60'			X				X		
White Spruce	<i>Picea glauca</i>	40-60'		X	X			X	X		
Black Spruce	<i>Picea mariana</i>	40-50'		X	X			X	X		

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Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
Blue Spruce	<i>Picea pungens</i>	30-60'		X	X			X	X		Native to American West
Limber Pine	<i>Pinus flexilis</i>	30-50'		X	X			X	X		Native to American West
Eastern White Pine	<i>Pinus strobus</i>	50-80'		X	X			X	X		
American Sycamore	<i>Plantanus occidentalis</i>	70-100'		X	X						Leaves drop all summer, spikey nuts can clog drains
Bloodgood London Planetree	<i>Plantanus x acerifolia</i> 'Bloodgood'	70-100'	X		X						Leaves drop all summer, spikey nuts can clog drains. Great street tree if given enough space. Not for use in tree pits.
White Oak	<i>Quercus alba</i>	60-100'	X	X				X		X	
Swamp White Oak	<i>Quercus bicolor</i>	50-60'	X	X				X		X	
Red Oak	<i>Quercus borealis</i>	60-80'	X	X				X		X	
Scarlet Oak	<i>Quercus coccinea</i>	75'	X	X				X		X	
Bur Oak	<i>Quercus macrocarpa</i>	70-80'	X	X				X		X	
Pin Oak	<i>Quercus palustris</i>	60-80'	X	X				X		X	
Northern Red Oak	<i>Quercus rubra</i>	60-75'	X	X				X		X	
Black Oak	<i>Quercus velutina</i>	50-60'	X	X				X		X	
Scholar tree	<i>Sophora japonica</i>	50-75'			X	X					Flowers make this an open space tree. Do not use near sidewalks.
Bald-Cypress	<i>Taxodium distichum</i>	50-70'	X	X	X			X		X	Native to American West. Great for wet areas. Deciduous conifer. Good street tree if given adequate space. Russet Red fall color.
Giant Arborvitae (& cultivars)	<i>Thuja plicata</i>	up to 70'		X	X			X	X		Native to American West, good deer resistance.
Basswood	<i>Tilia americana</i>	60-80'	X	X		X					
European Linden	<i>Tilia cordata</i>	60-70'	X								Beautiful large shade trees.
Silver Linden	<i>Tilia tomentosa</i>	50-70'	X								Beautiful large shade trees.
Lacebark Elm	<i>Ulmus parvifolia</i>	40-50'	X							X	Chinese, disease resistant Elm, interesting bark.

ZONING

Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
<i>Ulmus</i> Hybrids	<i>Ulmus</i> spp.	varies	X			X					Disease resistant trees like 'Homestead', 'Pioneer', 'Accolade', 'Frontier', 'Liberty' and 'Urban'.
Zelkova	<i>Zelkova serrata</i>	50-80'	X								Considered a replacement for the American Elm. Similar habit and size. Care should be taken in commercial areas as large specimens may grow to block signage.
Underwire Trees: this group applies to most plantings under utility lines. This is necessary because most wires are less than 25' above ground. Where possible, offset trees so they are not directly under the wires.											
Amur Maple	<i>Acer ginnala</i>	15-20'	X							X	
Tatarian Maple	<i>Acer tataricum</i>	15-25'	X							X	
Eastern Redbud	<i>Cercis canadensis</i>	15-20'	X	X		X				X	Small purple flowers outline gray bark in early spring. Distinctive. Can be very effective in masses.
Fringetree	<i>Chionanthus virginicus</i>	20'	X	X		X					
Thornless Hawthorn	<i>Crataegus crus-galli</i> var. <i>Inermis</i>	15-20'	X	X		X					Thornless varieties only. Large 2" thorns can cause injuries, especially in areas where children play.
Crimson Cloud Hawthorn	<i>Crataegus laevigata</i> 'Superba'	15-20'				X					Tree form. Has 1" thorns. Use with care.
Keteleer Chinese Juniper	<i>Juniperus chinensis</i> 'Keteleen'	15-20'			X			X	X		
Star Magnolia	<i>Magnolia stellata</i>	10-20'		X		X					tree form
Japanese Flowering Crabapple	<i>Malus floribunda</i>	under 25'	X			X					
Zumi Crabapple	<i>Malus sieboldi</i> x <i>zumi</i> 'Calocarpa'	under 25'	X			X					

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Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
Malus Cultivars Adams, Amsalzam, Centurion, Donald Wyman, Harvest Gold, Prairifire, Professor Sprenger, Red Jewel, Robinson, Sentinel, Sugar Tyme, Strawberry Parfait	Malus spp.	under 22'	X	varies		X					Always specify tree form for crabapple selection. Fruit makes Malus undesirable in commercial areas
Spring Snow Crabapple	Malus 'Spring Snow Crabapple'	15-20'	X			X					
Underwire Trees: This group applies only to utility plantings where the bottom wire is over 25' above ground.											
Trident Maple	Acer buergeranum	20-30'	X							X	
Hedge Maple	Acer campestre	25-40'	X							X	
Queen Elizabeth Hedge Maple	Acer campestre 'Evelyn'	30-40'								X	
Paperbark Maple	Acer griseum	25-35'	X							X	Interesting bark texture
Serviceberry	Amelanchier x grandiflora	20-30'		X		X		X		X	
Apple Serviceberry	Amelanchies laevis 'Cumulus' or 'Majestic'	20-30'		X		X		X		X	
Gray Birch	Betula populifolia	30'	X	X						X	
European Hornbeam	Carpinus betulus 'Fastigiata'	30-40'	X							X	Tree form
American Hornbeam	Carpinus caroliniana	20-35'	X	X						X	
Eastern Redbud	Cercis canadensis	25-30'	X	X		X		X		X	
Dogwood	Cornus florida			X		X		X		X	Disease resisistant local cultivars preferred. Correct siting is crucial to disease resistance. "Feet in shade, head in sun."
Kousa Dogwood	Cornus kousa	20-30'	X			X				X	
Eastern Red Cedar	Juniperus virginiana	30-40'		X	X			X	X		
Canaert Eastern Red Cedar	Juniperus virginiana 'Canaertii'	20-35'						X	X		

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Common Name	Latin Name	Mature Size	Street Tree	Native	Open Space Only	Flower	Fruit	Wildlife Value	Evergreen	Fall Color	Notes
Blue Easter Red Cedar	<i>Juniperus virginiana</i> 'Glauca'	20-35'						X	X		
Goldenrain Tree	<i>Koelreuteria paniculata</i>	25-40'				X				X	Great yellow flowers
Galaxy Magnolia	<i>Magnolia</i> 'Galaxy'	20-30'		X		X					
Sweetbay Magnolia	<i>Magnolia virginiana</i>	20-30'		X		X					
Black Hills Spruce	<i>Picea glauca</i> var. <i>densata</i>	20-40'		X				X	X		
Vanderwolf's Pyramid Limber Pine	<i>Pinus flexilis</i> 'Vanderwolf's Pyramid'	30-40'		X					X		Blue-green foliage with twisted needles. Cultivar of native.
Japanese Flowering Cherry	<i>Prunus serrulata</i>	25-35'	X			X	X				Species is large, up to 75'. Many cultivars are under 35' however.
Shubert Chokecherry	<i>Prunus virginiana</i> 'Shubert'	20-30'	X	X		X	X				
Japanese Tree Lilac	<i>Syringa reticulata</i> 'Summer Snow', 'Ivory Silk'	20-25'	X			X					
Aborvitae spp.	<i>Thuja</i> spp.	20-30'							X		Effective screen and can be very useful in narrow planting beds, as small as 3' wide.

MOON CODE

Recommended Shrubs							
Suggested species for shrub planting in Moon Township. Native species should be used whenever possible. While this list is long, it is not exclusive. Shrubs not mentioned here maybe used with approval given that they meet the site conditions and are disease resistant. In order to create healthier plantings, a variety of shrubs should be used.							
Common Name	Latin Name	Native	Flower	Fruit	Evergreen	Fall Color	Notes
Shrubs							
Bottlebrush Buckeye	<i>Aesculus parviflora</i>	X	X			X	Very large shrub which will sucker and spread. Great for covering large areas.
Shadbush Serviceberry	<i>Amelanchier canadensis</i>	X	X			X	
Allegheny Serviceberry	<i>Amelanchier laevis</i>	X	X			X	
Beauty Berry	<i>Callicarpa americana</i>	X		X			Showy purple berries in fall
Buttonbush	<i>Cephalanthus occidentalis</i>	X	X			X	
False Cypress	<i>Chamaecyparis</i>				X		
Sweet Pepperbush	<i>Clethra alnifolia</i>	X	X			X	
Redtwig Dogwood	<i>Cornus alba</i>	X					Showy red or yellow stems in winter.
Red-osier Dogwood	<i>Cornus sericea</i>	X				X	
Witchhazel	<i>Hamamelis virginiana</i>	X	X			X	
Wild Hydrangea	<i>Hydrangea arborescens</i>	X	X				
Holly	<i>Ilex spp.</i>			X	X		
Winterberry	<i>Ilex verticillata</i>	X		X		X	
Virginia Sweetspire	<i>Itea virginica</i>	X	X			X	
Juniper	<i>Juniperus spp.</i>				X		
Spicebush	<i>Lindera benzoin</i>	X	X	X		X	

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Plant Lists: Shrubs, page 1 of 2

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Common Name	Latin Name	Native	Flower	Fruit	Evergreen	Fall Color	Notes
Northern Bayberry	<i>Myrica pensylvanica</i>	X					
Common Ninebark	<i>Physocarpus opulifolius</i>	X	X	X			
Rhododendron spp.	<i>Rhododendron spp.</i>	X	X		X		
Azela	<i>Rhododendron spp.</i>		X		X		
Fragrant Sumac	<i>Rhus aromatica</i>	X				X	
Dwarf-winged Sumac	<i>Rhus copalina</i>	X	X	X		X	
Smooth Sumac	<i>Rhus glabra</i>	X	X	X		X	
Staghorn Sumac	<i>Rhus typhina</i>	X	X	X		X	
Gray Willow	<i>Salix cinerea</i>	X	X				
Elderberry	<i>Sambucus canadensis</i>	X	X	X			
American Arborvitae	<i>Thuja occidentalis</i>	X			X		
Blueberry	<i>Vaccinium spp.</i>	X	X	X		X	
Arrowwood	<i>Viburnum dentatum</i>	X	X	X		X	
Nannyberry	<i>Viburnum lentago</i>	X	X	X		X	
Black Haw	<i>Viburnum prunifolium</i>	X	X	X		X	
Cranberry Bush	<i>Viburnum trilobum</i>	X	X	X		X	

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Plant Lists: Shrubs, page 2 of 2

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Recommended Plants for Rain Gardens and Bioswales										
Suggested species for Rain Garden and Bioswale planting in Moon Township. Native species should be used whenever possible. While this list is long, it is not exclusive. Plants not mentioned here maybe used with approval given that they meet the site conditions and are disease resistant. Seeding may be used when appropriate and a variety of mixes are listed. Seed mixes should be matched to site conditions.										
Common Name	Latin Name	Wet Area	Moist Area	Dry area	Native	Flower	Fruit	Evergreen	Fall Color	
Trees										
Bald-Cypress	Taxodium distichum	X	X		X					X
Sweet Birch	Betula lenta	X	X	X	X					X
River Birch	Betula nigra	X	X	X	X					X
Blackgum	Nyssa sylvatica	X	X	X	X		X			X
Black Willow	<i>Salix nigra</i>	X	X		X					
Pin Oak	Quercus palustris	X	X	X	X					X
Pond Pine	<i>Pinus palustris</i>	X	X		X					
Red Maple	Acer rubrum	X	X	X	X					X
Swamp White Oak	Quercus bicolor	X			X					X
American Sweetgum	Liquidambar styraciflua	X	X	X	X					X
American Sycamore	Plantanus occidentalis	X	X		X					
Fringetree	Chionanthus virginicus		X		X	X				
Paw Paw	Asmina triloba		X	X	X					
Serviceberry	Amelanchier spp.			X	X	X				X
Horsechestnut	Aesculus parviflora			X	X	X				X
Staghorn Sumac	Rhus typhina			X	X					

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Plant Lists: Rain Garden and Bioswale, page 1 of 5

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Common Name	Latin Name	Wet Area	Moist Area	Dry area	Native	Flower	Fruit	Evergreen	Fall Color
Shrubs									
Smooth alder	<i>Alnus serrulata</i>	X	X		X				
Black chokeberry	<i>Aronia melanocarpa</i>	X	X	X	X		X		
American beautyberry	<i>Callicarpa americana</i>		X		X		X		
New Jersey tea	<i>Ceanothus americanus</i>			X	X		X		
Buttonbush	<i>Cephalanthus occidentalis</i>	X	X		X				
Sweet Pepperbush	<i>Clethra alnifolia</i>		X	X	X	X	X		X
Redtwig Dogwood	<i>Cornus alba</i>		X	X	X		X		
Silky dogwood	<i>Cornus amomum</i>	X	X		X		X		
Gray Dogwood	<i>Cornus racemosa</i>			X	X		X		
Red-osier dogwood	<i>Cornus sericea</i>		X		X		X		
Witch hazel	<i>Hammamelis virginiana</i>			X	X	X			
Wild Hydrangea	<i>Hydrangea arborescens</i>		X	X	X	X			
St. Johnswort	<i>Hypericum densiflorum</i>	X	X	X	X	X			
Inkberry	<i>Ilex glabra</i>		X		X		X		
Winterberry	<i>Ilex verticillata</i>	X	X		X		X		X
Virginia Sweetspire	<i>Itea virginica</i>		X	X	X	X			X
Spicebush	<i>Lindera benzoin</i>	X	X		X	X	X		X
Northern Bayberry	<i>Myrica pensylvanica</i>		X	X	X				
Common Ninebark	<i>Physocarpus opulifolius</i>	X	X		X	X	X		
Bush cinquefoil	<i>Potentilla fruticosa</i>			X	X	X			
Azela	<i>Rhododendron spp.</i>		X	X		X		X	
Rhododendron spp.	<i>Rhododendron spp.</i>		X	X	X	X		X	
Swamp azalea	<i>Rhododendron viscosum</i>	X			X		X		
Fragrant Sumac	<i>Rhus aromatica</i>			X	X		X		X
Dwarf-winged Sumac	<i>Rhus copalina</i>			X	X	X	X		X
Smooth Sumac	<i>Rhus glabra</i>			X	X	X	X		X

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MOON CODE

Common Name	Latin Name	Wet Area	Moist Area	Dry area	Native	Flower	Fruit	Evergreen	Fall Color
Staghorn Sumac	<i>Rhus typhina</i>			X	X	X	X		X
Swamp rose	<i>Rosa palustris</i>	X			X	X	X		X
Gray Willow	<i>Salix cinerea</i>	X	X		X	X			
Elderberry	<i>Sambucus canadensis</i>	X	X		X	X	X		
Narrow-leaved meadowsweet	<i>Spirea alba</i>		X		X				
Broad-leaved meadowsweet	<i>Spirea latifolia</i>		X		X				
Blueberry	<i>Vaccinium spp.</i>		X	X	X	X	X		X
Wild raisin	<i>Viburnum cassinoides</i>	X	X		X		X		
Arrowwood	<i>Viburnum dentatum</i>	X	X	X	X	X	X		X
Nannyberry	<i>Viburnum lentago</i>		X	X	X	X	X		X
Possumhaw	<i>Viburnum nudum</i>	X	X		X		X		
Black Haw	<i>Viburnum prunifolium</i>		X		X	X	X		X
Cranberry Bush	<i>Viburnum trilobum</i>			X	X	X	X		X
Perennials									
Anise hyssop	<i>Agastache foeniculum</i>			X	X	X			
Blue star	<i>Amsonia tabernaemontana</i>		X	X	X	X			
Swamp milkweed	<i>Asclepias incarnata</i>	X	X		X	X			
Butterfly weed	<i>Asclepias tuberosa</i>			X	X	X			
Calico aster	<i>Aster lateriflorus</i>			X	X	X			
New England aster	<i>Aster novae-anglia</i>	X	X		X	X			
New York aster	<i>Aster novi-belgii</i>	X			X	X			
Blue false indigo	<i>Baptisia australis</i>		X		X	X			
Marsh marigold	<i>Caltha palustris</i>	X	X		X	X			
White turtlehead	<i>Chelone glabra</i>	X	X		X	X			
Golden aster	<i>Chrysopsis mariana</i>			X	X	X			
Tickseed	<i>Coreopsis tinctoria</i>			X	X	X			
Threadleaf coreopsis	<i>Coreopsis verticillata</i>		X	X	X	X			
Mistflower	<i>Eupatorium colostinum</i>		X	X	X	X			

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ZONING

Common Name	Latin Name	Wet Area	Moist Area	Dry area	Native	Flower	Fruit	Evergreen	Fall Color
Boneset	<i>Eupatorium perfoliatum</i>	X	X		X	X			
Sneezeweed	<i>Helenium autumnale</i>	X	X		X	X			
Swamp sunflower	<i>Helianthus angustifolius</i>	X	X		X	X			
Swamp rose mallow	<i>Hibiscus moscheutos</i>	X			X	X			
Blue flag iris	<i>Iris versicolor</i>	X			X	X			
Soft rush	<i>Juncus effusus</i>	X	X		X	X			
Blazing star	<i>Liatris spicata</i>			X	X	X			
Cardinal flower	<i>Lobelia cardinalis</i>	X	X		X	X			
Great blue lobelia	<i>Lobelia siphilitica</i>	X	X		X	X			
Monkey flower	<i>Mimulus ringens</i>	X			X	X			
Evening primrose	<i>Oenothera speciosa</i>			X	X	X			
Obedient plant	<i>Physotegia virginiana</i>		X		X	X			
Golden ragwort	<i>Senecio aureus</i>	X	X		X	X			
Goldenrod	<i>Solidago patula, S. rugosa</i>	X	X		X	X			
Blue vervain	<i>Verbena hastata</i>	X	X		X	X			
Culvers root	<i>Veronicastrum virginicum</i>		X		X	X			
Ferns									
Sensitive fern	<i>Onoclea sensibilis</i>	X	X		X				
Cinnamon fern	<i>Osmunda cinnamomea</i>	X	X		X				
Royal fern	<i>Osmunda regalis</i>	X			X				
Grasses and Sedges									
Broomsedge	<i>Andropogon virginicus</i>		X		X				X
Tussock sedge	<i>Carex stricta</i>	X			X				
Bottlebrush grass	<i>Hystrix patula</i>		X		X				
Switchgrass	<i>Panicum virgatum</i>	X	X	X	X				X
Green bullrush	<i>Scirpus atrovirens</i>	X			X				
Woolgrass	<i>Scirpus cyperinus</i>	X	X		X				X

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MOON CODE

Common Name	Latin Name	Wet Area	Moist Area	Dry area	Native	Flower	Fruit	Evergreen	Fall Color
Seed Mixes									
Ernst Conservation Seeds, (ERNMX-126) Retention Basin Floor Mix - Low Maintenance						or approved equal			
Ernst Conservation Seeds, (ERNMX-127) Retention Basin Wildlife Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-155) Deer Resistant Meadow Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-179) Butterfly & Hummingbird Garden Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-180) Rain Garden Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-180-1) Rain Garden Grass Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-180-2) Southeast Rain Garden Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-183) Native Detention Area Mix						or approved equal			
Ernst Conservation Seeds, (ERNMX-192) Flight 93 Memorial Upland Meadow Mix						or approved equal			

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