Common Name	Species Name	Plant Height	Flower Color	Bloom Time	Spacing
Zone 1 - Dune Plants/Creeping Shrubs					
Bearberry	*Arctostaphylos uva-ursi*	1' - 3'	white/pink	Mar-June	---
Creeping Juniper	*Juniperus horizontalis*	1' - 3'	green	April-May	---
Sand Cherry	*Prunus pumila*	1' - 3'	white	May-July	---
Beach Pea	*Lathyrus japonicus v. mariimus*	1'	magenta	Jun-Aug	---
Zone 2 - Native Grasses					
Marram Grass	*Ammophila brevigulata*	1' - 3'	yellow	July-Sept	1'
Big Bluestem	*Andropogon gerardi*	5'- 8'	bronze/red	Aug-Oct	1' - 2'
Prairie Sand-reed	*Calamovilfa longifolia*	2' - 6'	yellow	July-Aug	1'
Canada Wild Rye	*Elymus canadensis*	4' - 5'	straw	July-Aug	1'
Junegrass	*Koeleria macrantha*	2' - 3'	gold	May-June	1'
Little Bluestem	*Schizachyrium scoparium*	2' - 3'	crimson-red	Aug-Oct	1'
Zone 3 - Shrubs					
Old-Field Juniper	*Juniperus communis var. depressa*	3' - 6'	yellow	N/A	2' - 4'
Creeping Juniper	*Juniperus horizontalis*	1' - 3'	green	April-May	2' - 4'
Ninebark	*Physocarpus opulifolis*	3' - 10'	white/pink	May-June	4' - 6'
Shrubby Cinquefoil	*Potentilla fruticosa*	3' - 4'	yellow	June-Sept	2'
Red-osier Dogwood	*Cornus stolonifera*	6' - 9'	white	Mar-June	4' - 6'
Common Winterberry	*Ilex verticillata*	3' - 10'	white/yellow	April-July	4' - 6'
American Elderberry	*Sambucus canadensis*	3' - 10'	white	June-Aug	4' - 6'
Meadowsweet	*Spiraea alba*	3' - 6'	white	June-Sept	2' - 4'
Steeplebush	*Spiraea tomentosa*	2' - 4'	pink/lavender	July-Sept	2' - 4'
Nannyberry	*Viburnum lentago*	9' - 20'	white	May-Sept	4' - 6'
Highbush Cranberry	*Viburnum trilobum*	6' - 12'	white	May-July	4' - 6'
Zone 4 - Native Wildflowers					
Nodding Pink Onion	*Allium cernuum*	1' - 2'	white/pink	July-Aug	0.5'
Canada Anemone	*Anemone canadensis*	1' - 2'	white	April-June	1'
Thimbleweed	*Anemone cylindrica*	1' - 2'	white	June-Aug	1'
Columbine	*Aquilegia canadensis*	1' - 3'	red/yellow	May-June	1'
Common Milkweed	*Asclepias syriaca*	2' - 4'	lavender	June-Aug	1'
Butterflyweed	*Asclepias tuberosa*	2' - 3'	orange	June-Aug	1'
Heath Aster	*Aster ericoides*	1' - 3'	white	Aug-Oct	1'
Smooth Aster	*Aster laevis*	2' - 4'	blue	Aug-Oct	1'
New England Aster	*Aster novae-angliae*	1' - 4'	purple/blue	Aug-Oct	1' - 2'
Sky Blue Aster	*Aster oolentangiensis*	0.5' - 2'	blue	Aug-Oct	1'
Frost Aster	*Aster pilosus*	2' - 4'	white	Aug-Sept	1'
Silky Aster	*Aster sericeus*	1' - 2'	lavender	Aug-Oct	1'
Canada Milk Vetch	*Astragalus canadensis*	2' - 3'	yellow	July-Aug	1'
Harebell	*Campanula rotundifolia*	1' - 2'	blue	June-Sept	0.5'
Indian Paintbrush	*Castilleja coccinea*	1' - 2'	red	May-July	1'
White Turtlehead	*Chelone glabra*	1' - 3'	white	July-Sept	1'
Lanceleaf Coreopsis	*Coreopsis lanceolata*	1' - 2'	yellow	May-Aug	1'
Fireweed	*Epilobium angustifolium*	2' - 6'	pink	June-Sept	2'
Boneset	*Eupatorium perfoliatum*	2' - 4'	white	July-Oct	1'
Flowering Spurge	*Euphorbia corollata*	2' - 4'	white	July-Aug	1' - 2'
Wild Geranium	*Geranium maculatum*	1' - 2'	lavender	May-June	0.5'
Woodland Sunflower	*Helianthus strumosus*	3' - 5'	yellow	Aug-Oct	1'
Ox-Eye Sunflower	*Heliopsis helianthoides*	3' - 6'	yellow	June-Sept	1'
Rough Blazingstar	*Liatris aspera*	2' - 5'	purple/pink	Aug-Sept	0.5' - 1'
Prairie Blazngstar	*Liatris pycnostachya*	3' - 5'	purple/pink	July-Sept	0.5' - 1'
Great Blue Lobelia	*Lobelia siphilitica*	1' - 4'	blue	Aug-Sept	1'
Solomon's Plume	*Maianthemum racemosa*	1' - 3'	white	April-June	1' - 2'
Starry Solomon's Plume	*Maianthemum stellata*	1' - 2'	white	May-June	2'
Bergamot	*Monarda fistulosa*	2' - 5'	lavender	July-Sept	1'
Dotted Mint	*Monarda punctata*	1' - 2'	lavender	July-Sept	1'
Evening Primrose	*Oenothera biennis*	2' - 5'	yellow	July-Oct	1'
Obedient Plant	*Physostegia virginiana*	1' - 2'	pink	June-Sept	1' - 2'
Great Solomon's Seal	*Polygonatum biflorum*	2' - 4'	cream	May-June	1' - 2'
Prairie Cinquefoil	*Potentilla arguta*	1' - 2'	yellow	June-July	1'
Yellow Coneflower	*Ratibida pinnata*	3' - 6'	yellow	July-Sept	1'
Black Eyed Susan	*Rudbeckia hirta*	1' - 3'	yellow	June-Sept	1'
Zigzag Goldenrod	*Solidago flexicaulis*	2' - 4'	yellow	Aug-Sept	1'
Hairy Goldenrod	*Solidago hispida*	1' - 3'	yellow	July-Oct	0.5'
Ohio Goldenrod	*Solidago ohioensis*	3' - 4'	yellow	July-Oct	1'
Showy Goldenrod	*Solidago speciosa*	1' - 3'	yellow	Aug-Sept	1'
Blue Vervain	*Verbena hastata*	3' - 6'	blue	July-Oct	1'
Hoary Vervain	*Verbena stricta*	2' - 4'	blue	July-Sept	1'
Labrador Violet	*Viola labradorica*	0.5'	lavender	June-Aug	0.5'
Zone 5 - Trees					
Red Maple	*Acer rubrum*	40' - 50'	green/red	Mar-April	---
Paper Birch	*Betula papyrifera*	50' - 75'	green/yellow	April	---
Balsam Poplar	*Populus balsamifera*	36' - 72'	green/yellow	April-May	---

LANDSCAPING

1. TOPSOIL – A MINIMUM OF 6 INCHES OF TOPSOIL SHOULD COVER ZONE 3, ZONE 4, AND ZONE 5. TOPSOIL SHALL MEET THE BIOFILTER SOIL MIX SPECIFICATIONS OUTLINED ON SHEET 2 (GRADING PLAN).
2. MULCHING – WOOD CHIP OR BARK MULCH SHALL BE PLACED OVER ZONES 3, 4, AND 5 TO A DEPTH OF 2" TO 4" IMMEDIATELY AFTER PLANTING. THIS MULCH SHALL BE PERMANENTLY MAINTAINED IN THESE AREAS.
3. A FIBER BLANKET SHALL BE PLACED OVER ZONES 1 AND 2 AFTER FINAL GRADING IS COMPLETED. THE FIBER BLANKET SHALL BE A NORTH AMERICAN GREEN S150BN OR APPROVED EQUIVALENT. LANDSCAPE CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS FOR THE INSTALLATION AND STAKING OF ALL FIBER BLANKETS. ALL FIBER BLANKETS AND STAKES SHALL BE BIODEGRADABLE PER PROJECT SPECIFICATIONS.
4. ZONE 1, 3, AND 5 PLANTING – ALL SHRUBS AND TREES SHALL BE PLANTED ACCORDING TO AMERICAN NURSERYMAN'S STANDARDS. WHEN PLANTING IN AREAS WITH A FIBER BLANKET, AN "X" PATTERN SHALL BE CUT IN THE BLANKET AND REPLACED UNDER THE SHRUB.
5. ZONE 2 PLANTING – GRASSES PLANTED IN ZONE 2 SHOULD BE A MIXTURE OF SPECIES CHOSEN FROM THE LIST OF APPROPRIATE SPECIES PROVIDED ON THE PLAN. LANDSCAPE CONTRACTOR SHALL FOLLOW SUPPLIERS RECOMMENDATIONS FOR PLANTING THE GRASSES. GRASSES SHALL BE PLANTED AS LIVE PLANTS OR BARE ROOT STOCK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE FIBER BLANKET DURING THE PLANTING PROCESS.
6. ZONE 4 PLANTING – WILDFLOWERS PLANTED IN ZONE 4 SHOULD BE A MIXTURE OF SPECIES CHOSEN FROM THE LIST OF APPROPRIATE SPECIES PROVIDED ON THE PLAN.
7. TIMING OF PLANTING – THE PLANTING OF ALL SHRUBS AND TREES SHALL BE COMPLETED PRIOR TO THE PLANNING OF ZONES 2, AND 4. PLANTING SCHEDULES MUST BE COORDINATED WITH THE SUPPLIERS OF VARIOUS PLANT MATERIALS. ZONE 1 AND 2 MAY BE PLANTED CONCURRENTLY.
8. FENCING – PLASTIC TYPE TEMPORARY FENCING SHALL BE PLACED ALONG MARGINS OF ALL CORD WALKS, PATHWAYS, AND ZONE 2 AREAS AFTER PLANTING.
9. WARRANTY AND MAINTENANCE – ALL SHRUBS, WILDFLOWERS AND GRASSES SHALL BE WATERED AND MAINTAINED DURING THE 12 MONTH WARRANTY PERIOD. MULCH AND FIBER BLANKET STAKING SHALL ALSO BE MAINTAINED AS DESIGNATED DURING THE 12 MONTH WARRANTY PERIOD. TEMPORARY FENCING MUST BE MAINTAINED FOR TWO GROWING SEASONS AFTER PLANTING. SEE MAINTENANCE PLAN FOR SPECIFICATIONS.
10. PLANT HEIGHT CONSIDERATIONS – PLANTS ARE EXPECTED TO GROW TO HEIGHTS AT THE LOWER END OF THE RANGES PROVIDED ON THE PLANS, DUE TO THE HARSHNESS OF THE LOCAL ENVIRONMENT. THE HEIGHT OF GRASSES GIVEN MAY INCLUDE THE SEED HEADS, WHICH MAY BE TALLER THAN THE FOLIAGE. ALL SHRUB SPECIES MAY BE PRUNED TO CONTROL HEIGHT IN THE FUTURE.

LANDSCAPING PLAN

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