

BASELINE APPROVED PLANT LIST

The following plant list has been established and approved by the North Park Design Review Committee (DRC) for the Baseline Community. Any substitutions or variances from the following list must be submitted to the DRC for review and approval.

LEGEND

Preferred Species	Do not over water	Abbreviations for Recommended District/Area: UC = Urban Core R = Residential I = Industrial P = Parks A = All districts/areas (excluding natural areas)
Allowed Species	Protect from sun and wind	
* Native*	Moisture Rating (Low Moisture - High Moisture)	
Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

* A Native Plant is defined as those native to the Rocky Mountain Inter-Mountain Region.

**A Pollinator is defined as those that provide food and/or reproductive resources for pollinating animals, such as honeybees, native bees, butterflies, moths, beetles, flies and hummingbirds.

SHRUBS

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
SHRUBS								
<i>Abronia fragrans</i>	Snowball Sand Verbena	White	6-7	4-24"	4-24"			R, P
<i>Agave americana</i>	Century Plant	Greenish Yellow	Late Spring, Early Summer	6'-12'	6-10'		+	UC May not be reliably hardy, requires sandy/gritty soil
<i>Alnus incana ssp. tenuifolia</i>	Thinleaf Alder	Purple	Early Spring	15-40'	15-40'			P Host plant, Spreads - more appropriate for parks, More tree-like; catkins through winter
<i>Amelanchier alnifolia</i>	Saskatoon Serviceberry	White	Mid Spring	4'-15'	6'-8'			A
<i>Amelanchier canadensis</i>	Shadblow Serviceberry	White	Mid Spring	25'-30'	15'-20'			A High habitat value for pollinators and birds; Protect from wind
<i>Amelanchier utahensis</i>	Utah Serviceberry	White	Mid Spring, Late Spring	12'	12'			A High habitat value for pollinators and birds
<i>Amorpha canescens</i>	Lead Plant	Blue, Purple	Late Spring, Early Summer	3'-6'	6'			A Possible replacement for Russian Sage; host plant
<i>Arctostaphylos uva-ursi</i>	Kinnikinnick	Insignificant	Mid Spring, Late Spring, Early Summer	6"-12"	15'			R, UC Prefers the winter shade of pines; Requires excellent drainage
<i>Aronia arbutifolia</i>	Red Chokeberry	White	Early Spring, Mid Spring, Late Spring, Early Summer, Mid-Summer	8'	6'			A
<i>Aronia melanocarpa</i>	Black Chokeberry	White	Early Spring, Mid Spring, Late Spring, Early Summer, Mid-Summer	8'	6'			A
<i>Artemisia cana</i>	Silver Sagebrush	Insignificant	Summer, Early Fall	1'-3'	3'		+	A Silver foliage; Drought tolerant; Water sparingly the 1 st year, and then remove irrigation.
<i>Artemisia filifolia</i>	Sand Sagebrush	Insignificant	Late Summer, Early Fall, Mid Fall, Late Fall, Early Winter	5'	3'		+	A Silver foliage; Water sparingly the 1 st year, and then remove irrigation.

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<i>Artemisia tridentata</i>	Big Sagebrush	Insignificant	Early Summer	6'-12'	6'-8'			* A Silver foliage; Water sparingly the 1 st year, and then remove irrigation.
<i>Atriplex canescens</i>	Four-winged Saltbush	Insignificant	Early Spring-Late Fall	6'-12'	3-6'			* A Interesting seed pods; Water sparingly the 1 st year, and then remove irrigation.
<i>Buddleja davidii</i>	Butterfly Bush	Insignificant	Early Summer - Early Fall	6'-12'	4'-15'			A; Must be deadheaded to maintain looks; cut back in winter
<i>Caryopteris x clandonensis 'blue mist'</i>	Blue Mist Spirea	Powder Blue	Late Summer - Mid Fall	2'-3'	2'-3'			A; Honeybee forage; will re-seed in irrigated areas; Often cut back in spring
<i>Cercocarpus intricatus</i>	Littleleaf Mountain Mahogany	Insignificant	Early Spring, Mid Spring, Late Winter	6'	5'			* A Bark and seeds provide nice texture; semi-evergreen provides shelter; open habit
<i>Cercocarpus montanus</i>	Mountain Mahogany	Yellow Green	Early Summer	8'	6'			* A Open habit; Appealing, curly seeds
<i>Cercocarpus ledifolius</i>	Curl-leaf Mountain Mahogany	Insignificant	Early-Mid Spring	10'-25'	10'-20'			* A Open habit; Appealing seeds
<i>Chaenomeles japonica</i>	Japanese Quince	Red	Mid Spring	3'	6'			A Flowers appear before foliage.
<i>Chamaebatiaria millefolium</i>	Fernbush	White	Mid-Summer, Late Summer	5'	6'			* UC, I, P Especially attractive to bumblebees; Suitable for conventional landscapes; Semi-evergreen
<i>Chrysothamnus nauseosus</i>	Rubber Rabbitbrush	Yellow	Late Summer	4-6'	4-6'			* A Syn. <i>Ericameria</i> ; extremely high habitat value
<i>Chrysothamnus nauseosus ssp. nauseosus</i>	Dwarf Blue Rabbitbrush	Yellow	Fall	4'	4'			* A Syn. <i>Ericameria</i> ; extremely high habitat value
<i>Chrysothamnus viscidiflorus</i>	Yellow Rabbitbrush	Yellow	Late Summer, Early Fall, Mid Fall	5'	5'			* A Syn. <i>Ericameria</i> ; extremely high habitat value
<i>Cornus alba</i>	Tatarian Dogwood	Yellow Green	Late Spring, Early Summer	8'	6'			A
<i>Cornus alternifolia</i>	Alternate leaf Dogwood	Cream	Late Spring, Early Summer	25'	20'			A
<i>Cornus racemosa</i>	Grey Dogwood	White	Late Spring, Early Summer	15'	15'			A

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<i>Cornus sericea</i>	Redosier / Red Twig Dogwood	White	Spring to Summer	6-8'	6-8'			* A Red stems provide winter interest
<i>Corylopsis glabrescens</i>	Winterhazel	Light Yellow	Early Spring	15'	8'			UC, R
<i>Corylus americana</i>	American Hazelnut	Tan	Early Spring, Mid Spring	15'	13'			UC, R
<i>Cotoneaster adpressus</i>	Creeping Cotoneaster	White	Late Spring, Early Summer	2'	6'			A; Red berries
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster	Light Pink	Late Spring, Early Summer	2'	6'			A; Stiff arching branches, red berries
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster	White	Late Spring	2'	6'			A; Red berries
<i>Cotoneaster hessei</i>	Cotoneaster	Light Red	Late Spring	18"	5'			A; Red berries
<i>Cotoneaster multiflorus</i>	Many-flowered Cotoneaster	White	Early Summer, Mid-Summer	12"	4'			A; Red berries
<i>Crataegus erythropoda</i>	Shiny-leaved Hawthorn	White	Spring	10-20'	8-15'			* A
<i>Crataegus phaenopyrum</i>	Washington Hawthorn	White	Early Summer	20'-25'	20'			A
<i>Ephedra americana</i>	Jointfir	Light Yellow	Late Spring, Early Summer	4'	3'			* A; Semi-evergreen
<i>Ephedra viridis</i>	Mormon Tea	Insignificant	Early Spring	4'-6'	4'-6'			* A
<i>Euonymus alatus</i>	Burning Bush	Insignificant	Late Spring	15'-20'	8'-12'			U; Bright red foliage
<i>Euonymus kiautschovicus</i> 'Manhattan'	Manhattan Euonymus	Insignificant	Mid-Summer	4'-5'	5'-6'			U Evergreen; Spreading habit broadleaf for full shade
<i>Fallugia paradoxa</i>	Apache Plume	White	Late Spring - Early Winter	3'-5'	3'-5'			* A Appealing seed heads; Flowers attract honeybees and native bees
<i>Forestiera neomexicana</i>	New Mexico Privet	Insignificant	Mid Spring - Late Spring	8'-12'	6'-8'			* A
<i>Juniperus horizontalis</i>	Creeping Juniper	N/A	N/A	18"	8'			A; Evergreen
<i>Juniperous x media 'pfitzeriana compacta'</i>	Compact Pfitzer Juniper	N/A	N/A	18"	5'			A; Evergreen; Blue green foliage, irregularly round habit
<i>Juniperus x media 'sea green'</i>	Seagreen Juniper	N/A	N/A	5'-6'	6'-8'			A; Evergreen
<i>Juniperus sabina</i>	Juniper	N/A	N/A	4'-6'	5'-10'			A; Evergreen
<i>Juniperus squamata</i>	Singleseed Juniper	N/A	N/A	16'	3'			R Evergreen; Use in protected areas
<i>Ligustrum vulgare</i>	European Privet	White	Early Summer, Mid-Summer	3'	4'			UC; Use for hedge applications only; Low habitat value
<i>Malus sargentii</i>	Sargent Crabapple	White	Mid Spring, Late Spring	8'	15'			A Benefits birds
<i>Mahonia aquifolium</i>	Compact Oregon Grape Holly	Yellow	Spring	6'	6'			* A Early blooms for pollinators, berries for birds; Foliage interest

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SHRUBS								
<i>Mahonia repens</i>	Creeping Grape Holly	Yellow	Late Spring, Early Summer	1'-2'	3'			* A Early blooms for pollinators, berries for birds; Foliage interest
<i>Perovskia atriplicifolia</i>	Russian Sage	Lavender	Late Summer, Fall	3'-5'	2'-4'		+	A Consider subbing with a native species (i.e. leadplant); honeybee forage only
<i>Philadelphus coronarius</i>	Mock Orange	White	Late Spring, Early Summer	10'	10'			P; Fragrant
<i>Philadelphus lewisii</i>	Mock Orange	White	Late Spring, Early Summer	7'	6'			* A; Fragrant Preferred species of mock orange
<i>Philadelphus microphyllus</i>	Little-leaf Mockorange	White	Late Spring, Early Summer	4'-6'	4'-6'			* A; Fragrant
<i>Physocarpus monogynus</i>	Mountain Ninebark	White	Spring	4'	4'			* A
<i>Physocarpus opulifolius</i>	Ninebark	Light Pink, White	Late Spring, Early Summer	6'	4'			* A
<i>Physocarpus opulifolius 'nanus'</i>	Dwarf Ninebark	White	Late Spring, Early Summer	1'-2'	2'-3'			* A
<i>Picea pungens 'Thume'</i>	Colorado Blue Spruce	N/A	N/A	8'	4'			A; Evergreen; Any cultivars are appropriate
<i>Pinus sylvestris 'Repens'</i>	Creeping Scot's Pine	N/A	N/A	50"	30"			A; Evergreen; Any cultivars are appropriate
<i>Potentilla fruticosa</i>	Potentilla	Yellow	Summer	2'-3'	2'-3'			A; Any cultivars are appropriate
<i>Prunus besseyi</i>	Western Sand Cherry	White	Spring	3'	6'		+	* A Attractive and reliable for many sites; great native bee plant
<i>Prunus maackii</i>	Amur Chokecherry	White	Late Spring	20'-30'	18'-25'			P, I Golden, exfoliating bark
<i>Prunus virginiana melanocarpa</i>	Western Chokecherry	White	Spring	20'	12'			* P Attractive and reliable for many sites; high habitat value for birds and wide range of pollinators; Can spread like crazy
<i>Purshia mexicana</i>	Mexican Cliffrose	Light Yellow	Mid Spring, Late Spring, Early Summer	6'	4'		+	P, R
<i>Purshia tridentata</i>	Antelope Bitterbrush	Yellow	Late Spring, Early Summer	8"	8"			* P, R Scrubland shrub; Plant in well drained area
<i>Pyracantha angustifolia 'gnome'</i>	Gnome Firethorn	White	Late Spring	4'-6'	4'-8'			I, P; Large, persistent orange berries; Wicked thorns
<i>Quercus gambelii</i>	Gambel Oak	Insignificant		8'-20'	6'-12'			* P Host plant; Plant on gravel berm; Must have excellent drainage
<i>Rhamnus smithii</i>	Smith's Buckthorn	Yellow Green	Late Spring, Early Summer	10'	10'			P, R, I

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SHRUBS								
<i>Rhus aromatica</i> 'gro-low'	Grow Low Sumac	Insignificant	Late Spring	1'-2'	6'-8'			A Brilliant fall foliage
<i>Rhus glabra</i>	Smooth Sumac	Insignificant	Early Summer	9'-15'	9'-15'			P Brilliant fall foliage
<i>Rhus trilobata</i>	Three-leaf Sumac	Insignificant	Mid Spring, Late Spring	6'	6'			A High habitat value, especially for native bees; Use in masses; Brilliant fall foliage
<i>Ribes alpinum</i>	Alpine Currant	Yellow Green	Mid Spring	6'	6'			A
<i>Ribes americanum</i>	American Black Currant	Yellow	Spring	2-4'	2-4'			P, R
<i>Ribes aureum</i>	Golden Currant	Yellow Orange	Mid Spring, Late Spring	3'-7'	2'-6'			P High habitat value, esp. for migrating hummingbirds and bumblebee queens; Will sucker; Red autumn foliage is amazing
<i>Ribes cereum</i>	Wax Currant	Light Pink	Mid Spring	4'	4'			A
<i>Ribes odoratum</i> 'Crandall'	Clove Currant	Yellow	Mid Spring	5'	10'			P, R Great fall color; Good for birds
<i>Rosa glauca</i>	Redleaf Rose	Pink	Late Spring, Early Summer	8'	5'			P, R, UC Red-purple foliage provides nice contrast
<i>Rosa</i>	All shrub roses, including: Hybrid Rugosa Rose Floribunda Rose Explorer Series	Light Pink	Late Spring, Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	7'	7'			P, R; Low habitat value for pollinators; Provides habitat for birds
<i>Rosa</i> 'Nearly Wild'	Floribunda Rose	Pink	Late Spring, Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	4'	4'			P, R; Low habitat value for pollinators; Provides habitat for birds
<i>Salix irrorata</i>	Bluestem Willow	Insignificant	Spring	12'	8'			P, R, Streetscape
<i>Salix purpurea</i> 'nana'	Dwarf Artic Willow	Insignificant	Spring	3'-5'	3'-5'			P, R, Streetscape
<i>Sambucus ebulus</i>	Dwarf Elderberry	White	Mid-Summer, Late Summer	4'	4'			P May be rangy in small yards; Bird plant
<i>Shepherdia argentea</i>	Buffaloberry	Yellow	Early Spring	8'-12'	8'-12'			P, I Edible fruit; Silver foliage; Provides habitat for birds
<i>Sibiraea laevigata</i>	Siberian Spirea	White	Early Summer	5'	8'			P, R, Streetscape
<i>Spiraea fritschiana</i>	Korean Spirea	White	Early Summer, Mid-Summer	3'	4'			UC, P, Streetscape

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SHRUBS								
<i>Spiraea japonica</i>	Japanese Spiraea	Pink	Late Spring, Early Summer, Mid-Summer	3'	3'			UC, P, Streetscape
<i>Spiraea myrtilloides</i>	Myrtle Spirea	White	Early Summer, Mid-Summer	8'	4'			UC, P, Streetscape
<i>Spiraea prunifolia</i>	Bridal Wreath Spirea	White	Mid Spring, Late Spring	8'	8'			UC, P, Streetscape; Invasive in eastern U.S.
<i>Spiraea trilobata</i>	Three-lobed Spirea	White	Late Spring, Early Summer	4'	4'			UC, P, Streetscape
<i>Symphoricarpos occidentalis</i>	Snowberry	White	Mid-Summer	3'-6'	3'-6'			  P Great plant for birds
<i>Symphoricarpos orbiculatus</i>	Red Coralberry	White, Green	Mid Spring, Early Summer	3'-6'	3'-6'			A
<i>Syringa meyeri 'palibin'</i>	Dwarf Korean lilac	Pale pink	Mid Spring, Late Spring	4-5'	5-7'			 A; Fragrant
<i>Syringa vulgaris</i>	Common Lilac	Purple - White	Late Spring	20'	12'			 P, I, R Susceptible to powdery mildew; Fragrant
<i>Viburnum carlesii</i>	Koreanspice Viburnum	White	Early Spring, Mid Spring	5'	6'			 A; Fragrant
<i>Viburnum dentatum</i>	Southern Arrowwood	White	Late Spring, Early Summer	8'	8'			P, UC; Uniform branching habit
<i>Viburnum lentana</i>	Wayfaringtree	White	Late Spring	10'	8'			P, UC, I
<i>Viburnum lentago</i>	Nannyberry	White	Late Spring	15'	8'			P, UC, I; Upright arching branches
<i>Viburnum trilobum 'Compactum'</i>	American Cranberrybush	White	Mid Spring	5'	5'			P, UC, R; Fruit bearing
<i>Viburnum x burkwoodii</i>	Burkwood Viburnum	White	Mid Spring	8'	8'			P, UC, R
<i>Yucca glauca</i>	Soap Weed	White	Summer	2-3'	2-3'		 → 	   A

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PERENNIALS & GRASSES

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<i>Achillea lanulosa</i>	Woolly Yarrow	White	Summer	18"	18"			* A; Forage for wide range of small pollinators
<i>Achillea millefolium</i>	Common Yarrow	White	Early Summer, Mid-Summer, Late Summer, Early Fall	2'	3'			A; Can be aggressive; Any cultivar is okay
<i>Adenolinum (linum) lewisii</i>	Blue Flax	Blue	Summer	12"	12"			* A Short-lived, but re-seeds; gives a "wild" or "natural" effect
<i>Agastache cana</i>	Double Bubblemint	Pink	Summer-Fall	3'	2'			* A; High habitat value for long-tongued pollinators
<i>Agastache foeniculum</i>	Anise Hyssop	Blue	Summer-Fall	3'	2'			* A; Especially attractive to bumble bees
<i>Agastache rupestris</i>	Sunset Hyssop	Orange	Late Summer, Fall	1'-2'	1'-1.5'			* A; High habitat value for long-tongued pollinators
<i>Aquilegia caerulea</i>	Rocky Mountain Columbine	Blue, White	Mid to Late Spring	1'-2'	1'-2'			* A; Colorado State flower
<i>Ajuga reptans 'Mahogany'</i>	Bugleweed	Blue	Late Spring, Early Summer	6"	6"			R; Ground cover; Spreads aggressively
<i>Alchemilla mollis</i>	Lady's Mantle	Yellow Green	Early Summer	2'	2'			A; Tidy and attractive in the right setting
<i>Amsonia jonesii</i>	Jones' Bluestar	Light blue	Mid Spring, Late Spring, Early Summer	2'	2'			* A
<i>Anthemis marschalliana</i>	Filigree Daisy	Yellow	Late Spring, Early Summer, Mid-Summer	4"	12"			R; Tidy border plant; Prefer Engelmann Daisy
<i>Aquilegia chrysantha</i>	Golden Columbine	Yellow	Late spring	3'	2'			A; Long blooming
<i>Armeria maritima</i>	Sea Thrift	Pink	Mid Spring, Late Spring, Early Summer	12"	12"			P, R; Tidy border plant
<i>Artemisia frigida</i>	Fringed Sagebrush	Yellow	Summer	2'	2'			* A; Silver foliage
<i>Artemisia ludoviciana</i>	Prairie Sage	Yellow	Summer	40"	36"			* A Silver foliage; Can spread to become groundcover
<i>Artemisia schmidtiana</i>	Wormwood	White	Early Summer	18"	24"			A
<i>Artemisia versicolor 'seafoam'</i>	Seafoam Artemisia	Yellow	Mid-Summer	6"-12"	18"-24"			A; Low water; Grey foliage
<i>Asclepias incarnata</i>	Swamp Milkweed	White/Pink	Summer	36-72"	24"			* A; Superior milkweed choice for landscaping; Monarch host; High habitat value
<i>Asclepias tuberosa</i>	Butterfly Weed	Orange	Summer	12"	12"			* R, P, Streetscape; Monarch host; High habitat value
<i>Aster alpinus 'Goliath'</i>	Goliath Alpine Aster	Light Blue	Mid Spring, Late Spring, Early Summer	12"	18"			A; High habitat value for pollinators and birds

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FORBS								
<i>Aster ascendens</i>	Western Aster	Light Purple	Late Spring, Early Summer, Mid-Summer	24"	24"			* A Syn. Symphyotrichum ascendens; High habitat value for pollinators and birds; Good for buffers
<i>Aster ericoides</i>	Many-flowered Aster	White	Late Summer	18-24"	24"			* A; High habitat value for pollinators and birds
<i>Aster falcatus</i>	Rough White Aster	White	Late Summer	24-48"	24"			* A; High habitat value for pollinators and birds
<i>Aster hesperius</i>	Western Aster; Violet Aster	Pink	Late Summer	36-60"	20"			* A; High habitat value for pollinators and birds
<i>Aster x frikartii 'monch'</i>	Monch Aster	Lavender	Late Summer, Fall	2'-3'	1'-1.5'			A; High habitat value for pollinators and birds
<i>Aster porteri</i>	Porter's Aster	White	Late Summer	18-24"	24"			* A; High habitat value for pollinators and birds
<i>Aubrieta deltoidea</i>	Purple Rockcress	Purple	Mid Spring, Late Spring, Early Summer	6"	12"			R, P
<i>Baptisia australis</i>	Blue Wild Indigo	Blue	Late Spring, Early Summer	4'	3'			A Attractive to bumblebees; Long lived; Shrub like perennial
<i>Bergenia cordifolia</i>	Heartleaf Bergenia	Pink	Late Spring	1'-1.5'	1'-1.5'			A; Large evergreen leaves
<i>Berlandiera lyrata</i>	Chocolate Flower	Yellow	Late Spring, Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	24"	18"			* A; Fragrant
<i>Callirhoe involucrata</i>	Poppy Mallow	Red violet	Summer	6"	18"			* A Easy care; Host for fritillary butterflies; Spreading plant
<i>Calylophus serrulata</i>	Calyophus	Yellow	5-9	8-12"	15"			* A
<i>Campanula cochlearifolia</i>	Earleaf Bellflower	Violet	Late Spring, Early Summer, Mid-Summer	6"	12"			A
<i>Campanula persicifolia</i>	Willow Bell	Blue	Early Summer, Mid-Summer	3'	18"			A
<i>Campanula rotundifolia</i>	Bluebell Bellflower	Light Blue	Early Summer, Mid-Summer, Late Summer, Early Fall	10"	8"			* A
<i>Centranthus ruber</i>	Red Valerian	Pink	Late Spring	3'	2'			P, Streetscape Indestructible, benefits from timely deadheading
<i>Cerastium tomentosum</i>	Snow-in-Summer	White	Early Summer	.5'-1'	.75'-1'			Aggressive; Silver foliage
<i>Cerastostigma plumbaginoides</i>	Plumbago	Blue	Mid-Summer, Late Summer, Early Fall	12"	24"			P, R, Streetscape; Late blooming perennial
<i>Clematis</i>	Clematis	White - Purple	Early Summer, Late Summer, Mid-Summer	6'	Vine			R; Will need support

BASELINE APPROVED PLANT LIST

PERENNIALS & GRASSES (Continued)

LEGEND

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Allowed Species	Protect from sun and wind	
* Native*	Moisture Rating (Low Moisture - High Moisture)	
Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
FORBS								
<i>Convallaria majalis</i>	Lily of the Valley	White	Early Spring	12"	15"			R; Understory plant; Fragrant
<i>Coreopsis verticillata</i>	Coreopsis	Yellow	Summer	1.5'-2'	1.5'-2'			A
<i>Crambe maritima</i>	Curly Leaf Sea Kale	White	Late Spring, Early Summer	6'	4'			P; Use as contrast foliage; Huge plant
<i>Dalea purpurea</i>	Purple Prairie Clover	Rose, Purple	Summer	1'-3'	1'-1.5'			* A
<i>Delosperma cooperi</i>	Hardy Ice Plant	Red purple	Summer, Early Fall	.25'-.5'	1'-2'			A; Semi-evergreen
<i>Dianthus 'Bath's Pink'</i>	Cheddar Pink	Pink	Late Spring	10"	10"			P, R, UC; Semi-evergreen
<i>Digitalis lanata</i>	Grecian Foxglove	Cream	Early Summer, Mid-Summer	24"	18"			A
<i>Digitalis obscura</i>	Sunset Foxglove	Yellow	Late Spring Early Summer	24"	20"			A; Preferred foxglove selection - Plant Select
<i>Echinacea purpurea</i>	Eastern Purple Coneflower	Light Purple	Early Summer, Mid-Summer, Late Summer	3'	2'			P, R High habitat value: Low maintenance; A favorite of rabbits
<i>Echinacea tenesseeensis</i>	Small Tennessee Purple Coneflower	Purple	Early Summer, Mid-Summer, Late Summer	30"	24"			A; High habitat value; Low maintenance; A favorite of rabbits
<i>Engelmannia peristenia</i>	Englemann Daisy	Yellow	Late Spring Early Summer	24"	30"			* A Plant Select; Preferred over Anthemis
<i>Erigeron speciosus</i>	Aspen Daisy	Lavender	Summer	24"	24"			A; May spread aggressively
<i>Eriogonum umbellatum</i>	Sulfur Flower	Yellow	7-8	6-18"	24"			P, R, UC; Semi-evergreen; Persistent seed heads
<i>Euonymus fortunei 'Coloratus'</i>	Purpleleaf Wintercreeper	White	Mid Spring	.5'-.75'	1'-3'			A; Evergreen
<i>Gaillardia aristata</i>	Blanket Flower	Red/ Yellow	Summer, Fall	24"	24"			* A Long blooming period, especially when deadheaded; Tolerates heat
<i>Galium odoratum</i>	Sweet Woodruff	White	Mid to Late Spring	.5'-1'	.75'-1.5'			A; Aggressive spreader
<i>Gaura lindheimeri</i>	Beeblossom	White/Pink	Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	3'	2'			P, R, UC; Excellent long blooming perennial
<i>Geranium cultivars</i>		Pale Pink - Violet	Summer	2'	2'			P, R, UC
<i>Glandularia wrightii</i>		Pink	Early Summer	3"	6"			A; Likes sandy soil
<i>Gutierrezia sarothrae</i>	Snakeweed	Yellow	Late Summer, Early Fall, Mid Fall	3'	3'			* A; Shrub like
<i>Helianthemum grandiflorum ssp. grandiflorum</i>	Rockrose	Yellow	Late Spring, Early Summer	12"	24"			P, R; Attractive all season long

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* Native*	Moisture Rating (Low Moisture - High Moisture)	
Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

PERENNIALS & GRASSES (Continued)

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
FORBS								
<i>Helianthus annuus</i>	Annual Sunflower	Yellow	Summer	10'	3'			A; High habitat value; even if not included in design, there should be allowance to keep them in the landscape; included in maintenance guidelines; will re-seed
<i>Helianthus maximiliani</i>	Maximilian sunflower	Yellow	Early Fall	3'-10'	2'-4'			A
<i>Hemerocallis ssp.</i>	Daylily	Varies	Summer	1'-3'	1'-3'			I, UC, Streetscapes; Low habitat value - restrained use, but great for tough locations
<i>Hesperaloe parviflora</i>	Red Yucca	Pink	Summer	3'	3'			A High habitat value for pollinators, esp. hummingbirds; Habit provides interest
<i>Heuchera pulchella</i>	Sandia Mountain Coral Bells	Pink	Late Spring, Early Summer	6"	12"			P, R, UC; Best used in sheltered contexts, understory
<i>Heuchera sanguinea</i>	Coral Bells	Pink, Red	Late Spring, Early Summer	1'-1.5'	.75'-1'			P, R, UC; Best used in sheltered contexts, understory
<i>Hosta sagae</i>	Hosta	Light Purple	Mid-Summer, Late Summer	3'	3'			A; Workhorse in shady sites; Low habitat value
<i>Hyssopus officinalis</i>	Common Hyssop	Violet	Early Summer, Mid-Summer, Late Summer, Early Fall	10"	10"			A; Agastache spp. are preferred
<i>Iris x germanica</i>	Bearded Iris	Blue-Purple	Late Spring	2'-3'	1'-2'			A
<i>Iris missouriensis</i>	Blue flag Iris	Blue-Purple	Spring	24"				A; Early bloom - nectar and pollen for bees; aquatic shelter
<i>Kniphofia caulescens</i>	Torch Lily	Coral Red, Yellow	Mid-Summer	2'-4'	1'-2'			A
<i>Kniphofia uvaria</i>	Red Hot Poker	Red	Late Spring, Early Summer	24"	24"			P, R, UC; Favorite of hummingbirds, but can be finicky
<i>Lavandula angustifolia</i>	English Lavender	Purple	Late Spring, Early Summer, Mid-Summer	18"	18"			R, UC, Streetscape Fragrant; Superb honeybee forage; May rot out in heavy soils over winter
<i>Leucojum aestivum</i>	Summer Snowflake	White	Early Spring, Mid Spring, Late Spring, Late Winter	2'	1'			R, P; Bulbs in spring
<i>Liatris ligulistylus</i>		Magenta	Mid-Summer, Late Summer	2'	1'			A; Superb plant for butterfly habitats
<i>Liatris punctata</i>	Dotted Gayfeather	Pink, Purple	Late Summer, Fall	1-3'	1-3'			A; Superb plant for butterfly habitats; Also good for wildflower seeding in natural areas
<i>Liatris pycnostachya</i>	Prairie Blazing Star	Light Purple	Mid-Summer, Late Summer	5'	18"			A; Superb plant for butterfly habitats

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Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

PERENNIALS & GRASSES (Continued)

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
FORBS								
<i>Liatris spicata</i>	Prairie Gayfeather	Magenta	Mid-Summer, Late Summer	24"	24"			A; Plant for butterfly habitats; Least preferred Liatris
<i>Linum perenne</i>	Perennial Flax	Light Blue	Early Summer	24"	24"			A; Also see Adenolinum (inum) lewisii
<i>Lonicera spp.</i>	Vining Honeysuckles		Early Summer, Mid-Summer, Late Summer	Vine	Vine			A
<i>Lupinus argenteus</i>	Silvery Lupine	Purple	Summer	2'	2'			A Availability will be an issue, great once established; Host for blues and great forage for larger bees
<i>Lupinus neomexicanus</i>	New Mexico Lupine	Light Blue	Late Spring, Early Summer	24"	24"			A; Availability will be an issue
<i>Lychnis chalcedonica</i>	Maltesecross	Red	Late Spring, Early Summer, Mid-Summer	4'	18"			R; Silver Foliage
<i>Lysimachia nummularia</i>	Creeping Jenny	Yellow	Late Spring, Early Summer	4"	18"			R; May spread aggressively
<i>Machaeranthera bigelovii</i>	Sante Fe Aster	Blue	Fall	1'-3'	1'-2'			A; Will self-seed, short lived
<i>Mirabilis multiflora</i>	Four O'Clock	Red-violet	Summer	3'	4'			A Attractive mounding habit; Attractive to hawk moths and hummingbirds; Requires excellent drainage
<i>Monarda fistulosa</i>	Wild Bergamot	Pink	Summer	36"	24"			A High habitat value when in bloom for bumblebees, hummingbirds and butterflies; Very hardy
<i>Oenothera caespitosa</i>	White Stemless Evening Primrose	White	Early Summer, Mid-Summer, Late Summer	12"	18"			A
<i>Oenothera macrocarpa</i>	Evening Primrose	Yellow	Summer	12"	24"			P, R, Streetscapes; Often called O. missouriensis
<i>Opuntia basilaris</i>	Beavertail Cactus	Red, Pink, Purple	Late Winter, Spring, Early Summer	1'-3'	2'-3'			
<i>Origanum libanoticum</i>	Hopflower Oregano	Lavender	Late Summer, Early Fall	18"	24"			A; Attractive habit even after bloom has stopped
<i>Paeonia suffruticosa</i>	Mountain Peony	White	Mid Spring, Late Spring	5'	5'			P, R: Tree peonies are high maintenance
<i>Paxistima canbyi</i>	Canby's Mountain Lover	White	Mid Spring	12"	12"			A; Plant Select
<i>Penstemon albidus</i>	White Penstemon	White	Mid Spring, Late Spring, Early Summer	12-16"	12"			A; High habitat value for pollinators
<i>Penstemon angustifolius</i>	Narrow-leaved Penstemon	White	Mid Spring, Late Spring, Early Summer	12-24"	12"			A; High habitat value for pollinators

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PERENNIALS & GRASSES (Continued)

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
FORBS								
<i>Penstemon barbatus</i>	Scarlet Bugler	Red	Summer	36"	18"			* A; High habitat value for pollinators
<i>Penstemon eatonii</i>	Firecracker Beardtongue	Red	Early Summer	24"	18"			* A; High habitat value for pollinators
<i>Penstemon grandiflorus</i>	Large Beardtongue	Red	Summer	36"	12"			* A; High habitat value for pollinators
<i>Penstemon linarioides v coloradoensis</i>	Blue-mat Penstemon	Blue	Late Spring, Early Summer	.5'-1'	.5'-1'			A
<i>Penstemon x mexicalli 'Pike's Peak'</i>	Pike's Peak Penstemon	Purple	Early Summer, Mid-Summer, Late Summer	1'-1.5'	.5'-1'			A
<i>Penstemon x mexicalli 'Red Rocks'</i>	Red Rocks Penstemon	Pink	Early Summer, Mid-Summer, Late Summer	1'-1.5'	.5'-1'			A
<i>Penstemon pinifolius</i>	Pine-leaf Beardtongue	Magenta	Summer	8"	15"			* A; High habitat value for pollinators
<i>Penstemon pseudospectabilis</i>	Desert Beardtongue	Magenta	Late Spring, Early Summer, Mid-Summer, Late Summer	32"	24"			* A; High habitat value for pollinators
<i>Penstemon secundiflorus</i>	One-sided Penstemon	Pink/ Purple	Summer	24"	24"			* A; High habitat value for pollinators
<i>Penstemon strictus</i>	Beardtongue, Rocky Mountain Penstemon	Purple	Late spring	24"	24"			* A; High habitat value for pollinators
<i>Penstemon virens</i>	Greenleaf Penstemon	Blue-Purple	Summer	12"	12"		→	* A; High habitat value for pollinators
<i>Penstemon virgatus</i>	Tall One-Sided Penstemon	Pink	Early Summer	12"	18"		→	* A; High habitat value for pollinators
<i>Phlomis cashmeriana</i>	Cashmere Sage	Light Pink	Early Summer	3'	2'			P, R; Nice texture; Moderate habitat value
<i>Phlomis russeliana</i>	Jerusalem Sage	Light Yellow	Late Spring, Early Summer, Mid-Summer	3'	2'			P, R
<i>Phlox carolina</i>	Thickleaf Phlox	Pink	Mid-Summer, Late Summer, Early Fall, Mid Fall	36"	30"			A
<i>Phlox divaricata</i>	Wild Blue Phlox	Light Pink, Light Blue	Mid Spring, Late Spring	18"	40"			A
<i>Phlox maculata</i>	Wild Sweetwilliam	Magenta	Late Summer, Early Fall, Mid Fall	18"	2'			A
<i>Phlox subulata</i>	Moss Phlox	Magenta, Violet	Mid Spring, Late Spring, Early Summer	6"	18"			A
<i>Polemonium caeruleum</i>	Jacob's Ladder	Yellow	Mid Spring, Late Spring	24"	18"			A

BASELINE APPROVED PLANT LIST

PERENNIALS & GRASSES (Continued)

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FORBS								
<i>Primula denticulata</i>	Primrose	Pink, Blue, Purple, White	Early Spring, Mid Spring	6"	12"			A
<i>Pycnanthemum virginianum</i>	Virginia Mountainmint	White	Mid-Summer, Late Summer	24"	36"			P, R
<i>Ratibida columnifera</i>	Prairie Coneflower	Yellow	Summer	18"	12"			A; Very tough plant
<i>Ratibida pinnata</i>	Pinnate Prairie Coneflower	Yellow	Early Summer, Mid-Summer, Late Summer, Early Fall	5'	18"			A
<i>Rudbeckia hirta</i>	Blackeyed Susan	Gold	Summer	3'	1'			P, R, UC, Streetscapes
<i>Rudbeckia maxima</i>	Great Coneflower	Yellow	Early Summer, Mid-Summer	7'	18"			P
<i>Rudbeckia triloba</i>	Brown-Eyed Susan	Yellow	Mid-Summer, Late Summer, Early Fall, Mid Fall	3'	3'			P, R, UC, Streetscapes
<i>Salvia azurea var. grandiflora</i>	Pitcher Sage	Blue	Mid-Summer, Late Summer, Early Fall, Mid Fall	4'	3'			P Hot/ late season forage for many bees, butterflies, hummingbirds
<i>Salvia daghestanica</i>	Dwarf Silver-leaf Sage	Blue	Late Spring, Early Summer	12"	12"			R, UC; Texture on silver foliage
<i>Salvia greggii 'Farman's Red'</i>	Salvia 'Farman's Red'	Red	Spring, Summer, Fall	2'-3'	2'-3'			A; Loves hot weather
<i>Salvia nemerosa 'may night'</i>	Salvia 'May Night'	Dark Blue	Late Spring - Early Summer	1.5'-2'	1'-1.5'			A; Can spread into natural areas; Deadhead
<i>Salvia pachyphylla</i>	Mojave Sage	Purple	Summer	2'-3'	2'-3'			I, R, UC; Low survival rate; Consider bare root planting; Hates organic matter and water
<i>Salvia officinalis</i>	Sage	Light Purple	Early Summer	24"	24"			R, UC; Fragrant foliage
<i>Saponaria ocymoides</i>	Rock Soapwort	Pink	Late Spring, Early Summer	9"	30"			P, R, UC
<i>Sedum 'Autumn Joy'</i>	Autumn Joy Sedum	Pink	Late Summer	1.5'-2'	2'			A; Butterfly host plant
<i>Santolina chamaecyparissus</i>	Gray Santolina	Yellow	Mid-Summer	1.5'-2'	1.5'-2'			A
<i>Sphaeralcea munroana</i>	Tall Globemallow	Pink, Orange	Late Spring, Early Summer	1'-2'	.5'-1'			A
<i>Sphaeralcea coccinea</i>	Globe Mallow	Red, Orange	Spring, Summer, Early Fall	1'-1.5'	1'			A; Wildflower for natural areas

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Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

PERENNIALS & GRASSES (Continued)

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
FORBS								
<i>Stanleya pinnata</i>	Princes Plume	Yellow	Spring, Summer, Early Fall	4'-5'	2'-5'			* A
<i>Thymus neiceffii</i>	Juniper Leaf Thyme	Magenta	Early Spring, Mid Spring	1"	12"			P, R, UC
<i>Thymus serpyllum</i>	Creeping Thyme	Dark Pink	Early Summer, Mid-Summer	3"	12"			P, R, UC
<i>Thymus vulgaris</i>	Common Thyme	Light Purple	Late Spring, Early Summer, Mid-Summer	12"	12"			P, R, UC
<i>Tradescantia occidentalis</i>	Spiderwort	Purple	Summer	24"	18"			* P, R
<i>Verbena bipinnatifida wrightii</i>	Wild Verbena	Purple	Summer	6"	18"			* A; Not long-lived; Low priority
<i>Veronica austriaca</i>	Broadleaf Speedwell	Blue	Late Spring, Early Summer, Mid-Summer	18"	18"			P, R, UC, Streetscapes
<i>Veronica filiformis</i>	Creeping Speedwell	Light Blue	Early Spring, Mid Spring, Late Spring	3"	18"			P, R, UC, Streetscapes
<i>Veronica liwanensis</i>	Speedwell	Blue	Mid Spring, Late Spring	1"	18"			P, R, UC, Streetscapes
<i>Veronica pectinata</i>	Woolly Speedwell	Blue	Mid Spring	3"	18"			P, R, UC, Streetscapes
<i>Veronica repens</i>	Creeping Speedwell	White, Cream	Mid Spring, Late Spring	2"	18"			P, R, UC, Streetscapes
<i>Veronica spicata</i>	Veronica	Blue	Summer	2'-3'	2'-2.5'			P, R, UC, Streetscapes
<i>Viola corsica</i>	Corsican Violet	Violet, Purple	Mid Spring, Late Spring, Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	6"	8"			P; Self-seeds
<i>Zauschneria latifolia var. arizonica</i>	Hardy Hummingbird Trumpet	Dark Orange	Late Spring, Early Summer, Mid-Summer, Late Summer, Early Fall, Mid Fall	6"	18"			A; Syn. <i>Epilobium canum</i>
<i>Zinnia grandiflora</i>	Plains Zinnia	Yellow	Summer	12"	12"			* P
GRASSES								
<i>Bouteloua curtipendula</i>	Side Oats Gramma	Insignificant	Summer	1.5'-2.5'	1.5'-2'			* A
<i>Bouteloua gracilis</i>	Blue Grama	Insignificant	Summer	12"	12'			* A
<i>Bouteloua gracilis 'Blonde Ambition'</i>	Blonde Ambition Blue Grama	Golden	Summer	12"	12"			A; Very attractive in landscape

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PERENNIALS & GRASSES (Continued)

LEGEND

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Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

Scientific Name	Common Name	Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
GRASSES								
<i>Buchloe dactyloides</i>	Buffalograss	Insignificant	Summer	6"	12"			* A; Turf option
<i>Calamagrostis acutiflora 'Karl Foerster'</i>	Feather Reed Grass	Insignificant	Late Spring, Summer, Fall, Winter	3'-5'	1.5'-2.5'			A; Often cut back in Spring
<i>Festuca glauca 'Elijah Blue'</i>	Blue Fescue	Green Purple	Summer	.75'-1'	.5'-.75'			A
<i>Miscanthus sinensis 'Morning light'</i>	Maiden Grass	Insignificant	Fall, Winter	4'-6'	2.5'-4'			A; Use natives when possible - not for use adjacent to native areas; Aggressive
<i>Miscanthus sinensis 'Purpurascens'</i>	Purple Maiden Grass	Insignificant	Fall, Winter	3'-4'	2'-3'			A; Use natives when possible; Fall color
<i>Muhlenbergia reverchonii</i> Undaunted	Undaunted Ruby Muhly Grass	Pink	Fall	30"	30"			A; Glows pink in the sunlight
<i>Panicum virgatum 'shenandoah'</i>	Red Switch Grass	Insignificant	August, Fall, Winter	3'-4'	3'-4'			A
<i>Orzyopsis hymenoides</i>	Indian Ricegrass	Insignificant	Summer	36"	18"			* A
<i>Panicum virgatum</i>	Switchgrass	Insignificant	Summer	36"	24"			* A; Any cultivar
<i>Schizachyrium scoparium</i>	Little Bluestem	Insignificant	Fall	4'	30"			* A
<i>Sorghastrum avenaceum (nutans)</i>	Indian Grass	Insignificant	Summer	5'	4'			* A
<i>Sporobolus heterolepis</i>	Prairie Dropseed	Insignificant	Summer, Fall	2'-3'	2'-3'			* A

BASELINE APPROVED PLANT LIST

TREES

LEGEND

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Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

Scientific Name	Common Name	Type			Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
		Ornamental	Coniferous	Deciduous							
TREES											
<i>Acer grandidentatum</i>	Big-Tooth Maple			x	Yellow Green	Late Spring	10'-30'	20'-30'			P, I, UC
<i>Acer platanoides</i>	Norway Maple			x	Yellow Green	Early Spring	50'	50'			I, P; Potential to be invasive
<i>Acer rubrum</i>	Red Maple			x	Red	Early Spring, Mid Spring	70'	50'			A
<i>Acer tataricum 'HotWings'</i>	Hot Wings Maple	x			Light Green	Mid Spring	20'	20'			A; Showy seeds, compact size
<i>Acer x freemanii 'Autumn Blaze'</i>	Autumn Blaze maple			x	N/A	N/A	35'	25'			A; Fall color, hardy
<i>Aesculus glabra</i>	Ohio Buckeye			x	Light Yellow	Late Spring, Early Summer	40'	40'			P, R; Fragrant flowers; Fall color; Has been invasive in other states
<i>Aesculus hippocastanum</i>	European Horse Chestnut			x	Light Pink	Late Spring	75'	65'			A; Has been invasive in other states
<i>Amelanchier x grandiflora 'Autumn Brilliance'</i>	Autumn Brilliance Serviceberry			x	White	Mid Spring	15'-25'	15'-25'			A
<i>Carpinus betulus 'Fastigiata'</i>	European Hornbeam			x	Yellow Green	Early Spring	30'-40'	20'-30'			A
<i>Celtis occidentalis</i>	Common Hackberry Western			x	Green	Mid Spring, Late Spring	60'	50'			I, P (in small groupings); Attractive when large, high bird habitat value and butterfly host
<i>Cercis canadensis</i>	Redbud	x		x	Pink	Early Spring, Mid Spring	30'	30'			P; Understory tree; Needs protection; Small scale ornamental; Early nectar source
<i>Cercis 'Hearts of Gold'</i>	Eastern Redbud	x		x	Light Red	Early Spring, Mid Spring	25'	25'			P; Understory tree; Needs protection; Small scale ornamental; Early nectar source
<i>Cupressus arizonica</i>	Arizona Cypress		x		Insignificant	Spring	30'-40'	15'-25'			A
<i>Crataegus crus-galli 'Inermis'</i>	'Inermis' Cockspur Hawthorn			x	White	Late Spring, Early Summer	25'	20'			P, R, UC; High habitat value, early blooms and fall berries
<i>Crataegus x mordenensis 'Toba'</i>	Toba Hawthorn			x	Pink	Mid Spring, Late Spring	25'	20'			A; High habitat value, early blooms and fall berries
<i>Gleditsia triacanthos f. inermis 'Imperial'</i>	Imperial Honeylocust			x	Yellow Green	Early Spring, Mid Spring	50'	40'			I, P, Streetscapes; High priority; Not messy; Light shade; Tough
<i>Gleditsia triacanthos f. inermis 'Skyline'</i>	Skyline Honeylocust			x	Yellow Green	Early Spring, Mid Spring	35-45'	25-35'			I, P, Streetscapes
<i>Gymnocladus dioica</i>	Kentucky Coffee Tree	x		x	Greenish White	Late Spring, Early Summer	60'-80'	40'-55'			A

BASELINE APPROVED PLANT LIST

TREES (Continued)

LEGEND

Preferred Species	Do not over water	Abbreviations for Recommended District/Area: UC = Urban Core R = Residential I = Industrial P = Parks A = All districts/areas (excluding natural areas)
Allowed Species	Protect from sun and wind	
* Native*	Moisture Rating (Low Moisture - High Moisture)	
Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	

Scientific Name	Common Name	Type			Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
		Ornamental	Coniferous	Deciduous							
TREES											
<i>Juniperus chinensis</i>	Chinese Juniper		x		N/A	N/A	20'	6'			A; Staple plantings throughout; Provides shelter; Resilient
<i>Juniperus scopulorum</i>	Rocky Mountain Juniper		x		N/A	N/A	30'	12'			* A; Staple plantings throughout; Provides shelter; Resilient
<i>Juniperus virginiana 'cupressifolio'</i>	Hillspire Juniper			x	N/A	N/A	15'-30'	5'-15'			A
<i>Koelreuteria paniculata</i>	Golden Rain Tree	x		x	Yellow	Early Summer, Mid-Summer	30'	30'			P, Streetscapes; Tolerant of alkalinity
<i>Magnolia stellata</i>	Star Magnolia	x		x	White	Early Spring	20'	15'			A; A novelty in protected spot; Blooms are often damaged by frost
<i>Malus 'Adams' or other cultivars</i>	Flowering Crabapple	x		x	Pink	Mid Spring	20'	15'			P, R, Streetscape; Honeybee forage; Spring interest
<i>Malus floribunda</i>	Japanese Crabapple	x		x	Light Pink	Early Spring, Mid Spring, Late Spring	20'	30'			A; Fragrant flowers
<i>Phellodendron amurense</i>	Amur Cork Tree			x	Yellow Green	Late Summer, Early Fall	20'	30'			A; Habitat value for birds, butterflies; Is invasive in NE US
<i>Picea abies</i>	Norway Spruce		x		N/A	N/A	60'	30'			A; Shelter; Attracts birds; Invasive in northern US
<i>Picea engelmannii</i>	Engelmann Spruce		x		N/A	N/A	100'	15'			* (to high elevations) A; Shelter; Winter interest
<i>Picea glauca</i>	White Spruce		x		N/A	N/A	60'	20'			A
<i>Picea pungens</i>	Colorado Spruce		x		N/A	N/A	60'	20'			* (to high elevations) A; High habitat value; Easily available
<i>Pinus flexilis 'Vanderwolf's pyramid'</i>	Limberpine			x	N/A	N/A	20'-30'	10'-15'			* (to high elevations) A
<i>Pinus heldreichii</i>	Bosnian Pine		x		N/A	N/A	70'	40'			A; Shelter; Winter interest
<i>Pinus edulis</i>	Pinion Pine			x	Yellow	Spring	20'-30'	10'-20'			* A; Will die from over watering; Keep out of Kentucky Bluegrass
<i>Pinus nigra</i>	Austrian pine			x	N/A	N/A	40'-60'	10'-40'			A
<i>Pinus ponderosa</i>	Ponderosa Pine			x	N/A	N/A	60'-125'	25'-30'			* A; Keep out of Kentucky Bluegrass
<i>Populus x acuminata</i>	Lanceleaf Cottonwood				Green, Brown	Spring	40'-60'	30'-40'			* P, I; Spreads aggressively
<i>Populus angustifolia</i>	Narrowleaf Cottonwood				White	Spring	30'-50'	20'-30'			P, I; Spreads aggressively
<i>Populus sargentii</i>	Plains Cottonwood				Yellow	Late Winter, Early Spring	60'-80'	50'-60'			* A
<i>Prunus cerasifera</i>	Cherry Plum	x		x	Light Pink	Early Spring, Mid Spring	25'	20'			A; Early bloomer; Fruit for birds

BASELINE APPROVED PLANT LIST

TREES (Continued)

LEGEND






Preferred Species	Do not over water	Abbreviations for Recommended District/Area: UC = Urban Core R = Residential I = Industrial P = Parks A = All districts/areas (excluding natural areas)
Allowed Species	Protect from sun and wind	
* Native*	Moisture Rating (Low Moisture - High Moisture)	
Pollinator**	Sun Exposure Rating (No Sun - Full Sun)	













Scientific Name	Common Name	Type			Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
		Ornamental	Coniferous	Deciduous							
TREES											
<i>Prunus maackii</i>	Manchurian Cherry	x		x	White	Mid Spring, Late Spring	30'	25'			A; Early bloomer; Fruit for birds
<i>Prunus padus</i>	Bird Cherry	x		x	White	Mid Spring, Late Spring	30'	30'			A; Early bloomer; Fruit for birds
<i>Prunus sargentii</i>	Sargent Cherry	x		x	Pink	Mid Spring	25'	15'			A; Especially hardy, slightly later blooming
<i>Prunus virginiana 'Shubert'</i>	Canada Red Chokecherry	x		x	White	Spring	30'	25'			A; Dark foliage provides nice contrast
<i>Ptelea trifoliata</i>	Common Hoptree			x	Light Green	Early Summer	20'	20'			P, R, Streetscapes; Not easy to find
<i>Pyrus salicifolia 'Pendula'</i>	Willowleaf Pear	x		x	White	Mid Spring	25'	15'			A; Tolerant of clay and may drought-tolerant once established
<i>Pyrus ussuriensis</i>	Chinese Pear	x		x	White	Mid Spring	40'	40'			A
<i>Quercus alba</i>	White Oak			x	N/A	N/A	70'	50'			A
<i>Quercus bicolor</i>	Swamp White Oak			x	Yellow Green	Mid Spring	60'	60'			A
<i>Quercus rubra</i>	Northern Red Oak			x	Yellow Green	Late Spring	80'	75'			A
<i>Quercus imbricaria</i>	Shingle Oak			x	Yellow Green	Mid Spring	70'	60'			A
<i>Quercus macrocarpa</i>	Bur Oak			x	Yellow Green	Mid Spring	80'	80'			A
<i>Quercus muehlenbergii</i>	Chinkapin Oak			x	Yellow Green	Mid Spring	50'	50'			A
<i>Quercus palustris</i>	Pin Oak			x	Yellow Green	Mid Spring	70'	60'			A
<i>Quercus robur</i>	English Oak			x	Yellow Green	Mid Spring	60'	40'			A
<i>Quercus robur 'Fastigiata' SKYROCKET</i>	Fastigate English Oak			x	Yellow Green	Mid Spring, Late Spring	60'	20'			A
<i>Quercus rubra</i>	Red Oak			x	Yellow Green	Late Spring	60'	60'			A
<i>Quercus shumardii</i>	Shumard Oak			x	Yellow Green	Mid Spring	50'	40'			A
<i>Sophora japonica</i>	Japanese Pagoda Tree	x		x	Cream	Mid-Summer, Late Summer	50'	45'			A
<i>Styphnolobium japonicum</i>	Pagoda Tree	x		x	White	Mid-Summer, Late Summer	75'	75'			A
<i>Syringa pekinensis 'Morton'</i>	Peking Lilac	x		x	White	Early Summer	20'	15'			A
<i>Syringa reticulata</i>	Japanese Tree Lilac	x		x	Cream	Late Spring Early Summer	25'	20'			A; High value ornamental providing fragrance in late spring
<i>Tilia americana</i>	American Basswood			x	Light Yellow	Early Summer	50'	40'			P, Streetscapes; Reliable summer honeybee forage; Fragrant; Nice pyramidal habit
<i>Tilia amurensis</i>	Linden			x	Light Yellow	Late Spring	75'	50'			A; Adapts to many soils; Good urban tree; Fragrant
<i>Tilia cordata</i>	Littleleaf Linden			x	Light Yellow	Early Summer	40'	35'			A; Fragrant

BASELINE APPROVED PLANT LIST

TREES (Continued)

LEGEND

Preferred Species	 Do not over water	Abbreviations for Recommended District/Area: UC = Urban Core R = Residential I = Industrial P = Parks A = All districts/areas (excluding natural areas)
Allowed Species	 Protect from sun and wind	
* Native*	 Moisture Rating (Low Moisture - High Moisture)	
 Pollinator**	 Sun Exposure Rating (No Sun - Full Sun)	

Scientific Name	Common Name	Type			Flower Color	Blooming Season	Height	Spread	Sun/Shade Tolerance	Moisture Needs	Notes
		Ornamental	Coniferous	Deciduous							
TREES											
<i>Tilia tomentosa</i>	Silver Linden			x	Yellow Green	Late Spring, Early Summer	60'	45'			 A, Fragrant
<i>Tilia x flavescens 'Glenleven'</i>	Glenleven Linden			x	Yellow Green	Late Spring, Early Summer	75'	50'			 A, Fragrant
<i>Ulmus 'Frontier'</i>	Frontier Elm			x	Insignificant	Mid Fall	35'	25'			A
<i>Ulmus 'Heritage'</i>	Heritage elm				Insignificant		40'	30'			A
<i>Ulmus 'Morton' Accolade</i>	Accolade Elm			x	Insignificant	Early Spring, Mid Spring	70'	40'			A

BASELINE DO NOT PLANT LIST

SPECIES NOT TO BE PLANTED IN BASELINE

Scientific Name	Common Name	Notes
TREES		
<i>Acer palmatum</i>	Japanese Maple	This is very hard to grow
<i>Acer saccharum</i>	Sugar Maple	Chlorosis
<i>Acer tataricum</i>	Tatarian maple	Chlorosis, "Hot Wings" is allowed
<i>Acer triflorum</i>	Three-flowered Maple	
<i>Betula x plettkei 'Golden Treasure'</i>	Dwarf Birch	
<i>Cornus kousa</i>	Chinese Dogwood	Borderline hardy
<i>Cornus mas</i>	Cornelian Cherry Dogwood	Borderline hardy
<i>Juniperus virginiana</i>	Eastern Red Cedar	Invasive
<i>Pinus aristata</i>	Bristlecone Pine	Novelty; maintenance picky
<i>Pinus contorta</i>	Lodgepole Pine	Novelty; maintenance picky
<i>Populus tremuloides</i>	Quaking Aspen	
<i>Prunus sibirica</i>	Siberian Apricot	Do not recommend - fruit
<i>Prunus ssp.</i>	Plum	Do not recommend - fruit
<i>Robinia pseudoacacia</i>	Black Locust	Suckers, thorny, borer damage
<i>Thuja occidentalis</i>	Arborvitae	
<i>Ulmus americana</i>	American Elm	
<i>Ulmus parvifolia</i>	Chinese Elm	Probably not hardy
<i>Zelkova serrata</i>	Japanese Zelkova	
<i>Zelkova serrata 'Green Vase'</i>	Green Vase Zelkova	
<i>Zelkova serrata 'Musashino'</i>	Musahino Zelkova	
<i>Zelkova serrata 'Village Green'</i>	Japanese Zelkova	
SHRUBS		
<i>Buddleja alternifolia</i>	Fountain Butterflybush	Invasive potential
<i>Buxus 'Green Gem'</i>	Green Gem Boxwood	Sun and windburn
<i>Erica carnea</i>	Winter Heath	Will not survive
<i>Genista tinctoria</i>	Dyer's Broom	Possible invasive
<i>Genista tinctoria 'Royal Gold'</i>	'Royal Gold' Broom	
FORBS		
<i>Aegopodium podagraria</i>	Bishop's Goutweed	Do not recommend; invasive potential
<i>Aquilegia alpina</i>	Alpine Columbine	Will not survive
<i>Astragalus adsurgens</i>	Prairie Milkvetch	
<i>Astragalus agrestis</i>	Field Milkvetch	
<i>Astragalus ceramicus</i>	Painted Milkvetch	
<i>Astragalus crassicaarpus</i>	Ground Plum	
<i>Astragalus gracilis</i>	Slender Milkvetch	
<i>Astragalus missouriensis</i>	Missouri Milkvetch	
<i>Astragalus mollissimus</i>	Wooly Milkvetch	
<i>Astragalus mollissimus</i>	Wooly Milkvetch	

SPECIES NOT TO BE PLANTED IN BASELINE (Continued)

Scientific Name	Common Name	Notes
FORBS		
<i>Astragalus pectinatus</i>	Narrowleaf Milkvetch	
<i>Chamaemelum nobile</i>	Roman Chamomile	
<i>Dicentra eximia</i>	Bleeding Heart	Won't thrive in this climate
<i>Epimedium x rubrum</i>	Bishop's Hat	Won't thrive in this climate
<i>Euphorbia polychroma</i>	Cushion Spurge	Other nonnative spurses can be invasive
<i>Gypsophila paniculata</i>	Baby's Breath	Invasive
<i>Gypsophila repens</i>	Creeping Baby's Breath	
<i>Lavandula</i>	Lavender	French and Spanish spp. not hardy
<i>Leucanthemum x superbum</i>	Shasta Daisy	Potentially invasive
<i>Lupinus pusillus</i>	Annual Lupine	Concern about invasive
<i>Nepeta cataria</i>	Catnip	Weed, Catnip escapes frequently into natural areas and has become a weed.
<i>Parthenium integrifolium</i>	Wild Quinine	
<i>Persicaria polymorpha</i>	Knotweed	Invasive potential, 3 species of knotweed listed on CO noxious weed list - this one is not
<i>Persicaria virginiana</i>	Jumpseed	Invasive potential
GRASSES (NOT TO BE USED IN SEED MIXES)		
<i>Agropyron desertorum, A cristatum</i>	Crested Wheatgrass	
<i>Agropyron intermedium</i>	Intermediate Wheatgrass	
<i>Agropyron repens (Elytrigia repens or Elymus repens)</i>	Quackgrass	
<i>Agrostis stolonifera, A.alba, A. gigantea, A. palustris</i>	Creeping Bentgrass	
<i>Alopecurus pratensis</i>	Meadow Foxtail	
<i>Bromopsis inermis (Bromus inermis)</i>	Smooth Brome or Hungarian Brome Grass	
<i>Dactylis glomerata</i>	Orchardgrass	
<i>Festuca arundinacea (Lolium arundinaceum)</i>	Tall Fescue (adjacent to wetlands)	
<i>Festuca ovina var. ovina</i>	Hard Fescue or Sheep Fescue	
<i>Festuca pratensis</i>	Meadow Fescue	
<i>Phalaris arundinacea (Phalarioides arundinacea)</i>	Reed Canary Grass	
<i>Phleum pratense</i>	Timothy	
<i>Poa compressa</i>	Canada Bluegrass	
<i>Poa pratensis</i>	Kentucky Bluegrass (adjacent to wetlands)	
<i>Saccharum (erianthus) ravennae</i>	Hardy Pampas Grass	

BASELINE SEEDING, MULCHING AND SOIL PREPARATION SPECIFICATIONS

1.0 SOIL PREPERATION

1.1 Soil Amendments

A. Fertilizer

Phosphorous fertilizer is typically deficient in Colorado soils. Because phosphorous is a promoter of root growth it is extremely beneficial to new seedlings. Phosphorous is also immobile in clay soils, so it needs to be applied previous to tillage work so it will be incorporated into the root zone.

All areas shall be fertilized with 18-46-0 at 150 lbs/acre or an equivalent fertilizer that will provide no less than 27 lbs/acre of nitrogen and 69 lbs/acre of phosphorous. Empty fertilizer bags or weight ticket shall remain available for inspection.

B. Compost

All irrigated turf grass areas shall receive compost at the rate of 3 cubic yards per 1000 sq ft. Native grass areas shall receive compost at 2 cubic yards per 1000 sq ft. Weight tickets shall be available for inspection.

The compost shall be Biocomp Class 1 compost from A-1 Organics, or approved equivalent.

In wetland or moist meadow areas no compost will be required. The goal here is to keep nutrients out of the wetland areas to discourage rampant growth of cattails.

1.2 Tillage

Tillage is one of the most important steps that is often overlooked. All areas shall be thoroughly tilled to a depth of 6 - 8 inches after the soil amendments have been applied. This can be accomplished with rototilling machinery, or in larger areas, agricultural machinery such as chisel plows and/or discs. After tillage is complete, no dark areas resulting from the compost application shall be observed.

1.3 Fine Grading

After tillage is complete all areas shall be fine graded.

Grading for turf areas will require more detail than native areas. Turf areas shall be smooth, even and 1" below adjacent sidewalks and curbs.

The grade for native areas can be left somewhat rougher or less detailed, because these areas will be managed with a larger class of machinery, i.e. tractors and brush hog type rotary mowers.

2.0 SEED MIXES

2.1 Seed Selection Process

Seed mix selection must be reviewed and approved by DRC Member and High Plain Environmental Center Executive Director Jim Tolstrup.

There are three steps in the seed selection review process:

- 1) During the design phases
- 2) The seed mix bags must be signed off on by Jim Tolstrup before spreading the seed.
- 3) At the time of compliance inspection

2.2 Turf Seeding

A. Tall Fescue Turf Areas

These areas shall be seeded with Sharp Bros Seed Dura Turf Lawn Mix, or equivalent at the rate of 8 lbs/1000 sq ft:

Turf type tall fescue	80%
Kentucky bluegrass, turf quality	10%
Ryegrass, turf quality	10%

B. Kentucky Bluegrass Turf Areas

These areas shall be seeded with Sharp Bros Seed Premium Lawn Mix, or equivalent, at 3 lbs/1000 sq ft.

2.3 Native Grass Seeding

A. Native Grass Turf Areas - "Enhanced" short native grass that can be left un-mowed adjacent to formal landscaped areas

These areas shall be seeded with the following mix seeded at 2 lbs. PLS/1000 sq. ft. or 86 lbs./acre.

Buffalo grass, Cody or Bowie	40%
Blue grama, Alma or Bad River	20%
Sideoats grama, Vaughn or El Reno	20%
Slender Wheatgrass	20%

B. Upland Native Areas - for open space areas

	<u>Lbs. PLS/acre</u>	<u>Seed Box Designation</u>
Slender wheatgrass	3	smooth
Western wheatgrass, Rosana	3	smooth
Green needle grass, Lodorm	1	smooth
Canada wildrye, Mandan	1	smooth
Beardless wildrye, Shoshone	.5	smooth
Annual rye	2	smooth
Blue grama, Bad River	.5	fluffy
Sideoats grama, Vaughn	1.5	fluffy
Little bluestem, Camper	1.5	fluffy
Yellow Indiangrass	1	fluffy
Tomahawk or Neb 54		
Big bluestem, Pawnee	1	fluffy
Switchgrass, Blackwell	.5	fine
Alkali sacaton	.25	fine
Total	16.75 pounds pure live seed per acre	

C. Wetland or Wet Meadow Areas - for wet pond bottoms

These areas shall be seeded with High Plains Wet Meadow Mix by Western Native Seed or equivalent at the rate of 10 lbs./acre. In addition to the wetlands mix above add the following tall warm season grasses:

	<u>Lbs. PLS/acre</u>
Big Bluestem, Kaw or Pawnee	5
Yellow Indian grass, Tomahawk or Neb 54	4
Switchgrass, Blackwell	1

These added to the Wet Meadow mix totals 20 pounds/acre.

These areas will likely be broadcast seeded and not suitable to drill seeding because of their size and/or they may be wet. To facilitate broadcasting the seed more evenly, rice hulls should be added to bulk up the mix.

2.4 Erosion Control or Overlot Areas - for temporary soil stabilization

These areas shall be drill seeded with the following mix:

BASELINE

Lbs PLS/acre

Slender wheatgrass	5
Western wheatgrass, Rosana	3
Canada wildrye, Mandan	3

Total 11 pounds Pure Live Seed/acre

3.0 SEED APPLICATION

3.1 Seed Drill

Native seeding must be completed with a native grass drill that has 3 seed boxes that are capable of metering and applying fine seed, fluffy seed and smooth seed. These three types of seed are designated on the seed mixes. Examples are smooth seed - wheatgrasses, fluffy seed - yellow Indian grass, and fine seed - alkali sacaton.

For the turf grasses or other mixes, small areas can be hand broadcast or a billion drill or other appropriate drill should be used.

3.2 Seed Tags

Native seed mixes must be ordered so that fluffy seed, fine seed and smooth seed are bagged separately and can be placed in the appropriate seed box for application. Tags for all mixes including the native seed, must be provided for inspection prior to any seed being planted.

4.0 MULCH

4.1 Hydromulch

Native seed areas and turf grass areas shall be mulched with virgin woodfiber hydromulch with steam separated fibers. Recycled paper hydromulch or ground wood chip hydromulch are not acceptable. The rate of application shall be 2500 lbs/acre.

4.2 Straw Mulch

Overlot areas or temporary erosion control seeding shall be mulched with weed free certified straw at a rate of 2 tons/acre, crimped 3 - 4 inches into the soil surface.

5.0 SITE CLEANUP

Hydromulch overspray must be cleaned off all sidewalks, fences, light poles switch cabinets and landscape material. When straw mulching is complete all twine or bale wrap material must be picked up and removed.