



City of Black Hawk Landscape Guidelines

**These are the minimum required landscape regulations. The City encourages developers and landowners to exceed these minimum requirements whenever possible. Refer to the City of Black Hawk landscape code, Article XIII - Landscaping.*

GENERAL

Minimum Percentage (%) of Net Site Area to be Landscaped: (exclusive of street right-of-way and parking lot landscaping)

- Residential Districts: Forty Percent (40%)
- Non-Residential Districts: Fifteen Percent (15%)
- Limited Industrial Districts: Five Percent (5%)
- Parking Lot Landscaping: Five Percent (5%) minimum

Undeveloped Areas:

- Any part of a site not used for buildings, parking, driveways, sidewalks, etc. **shall be** landscaped.

Landscape Specifications:

- Plant Materials:
 - Consists of trees, shrubs, annuals, perennials, vines, groundcovers, and ornamental and turf grasses.
 - Xeriscape – waterwise landscaping. Native vegetation or low water usage vegetation shall be used.
- Landscape Soil Amendments:
 - Plant Mix shall consist of equal parts of Compost, Topsoil, and Excavated Soil thoroughly mixed. Additional amendments and fertilizer may be necessary for naturalized seed areas, sod areas, and perennial and annual planting.
 - Provide a minimum of four inches (4") of soil amendment when planting.
 - Soil amendments shall be tilled in per the planting type. Minimum depth of tilling should be to six inches (6") of depth.
- Organic and Inert Organic Mulches (non-living groundcover):
 - Mulches include organic materials such as wood chips and shredded bark, and inert organic materials such as decomposed granite, crushed rock, river rock, and cobble.
 - Applied at a uniform depth of four inches (4") minimum.
 - Rock mulch is limited to not more than 50% of the total landscape area. Organic mulch is unlimited.



Tree Size and Quantity Recommendations:

- Required trees shall be a minimum of a 2" caliper size or fifteen (15) gallon container size that average a height of twelve to fourteen feet (12'-14') in height.
- Landscape Strips: one (1) tree per thirty-five (35) of lineal street frontage.
- Common Area Landscape for Multifamily or District: two (2) trees per dwelling unit. (exclusive of street trees and perimeter landscaping)
- Parking Lot Landscaping: one (1) tree shall be provided for every twelve (12) parking spaces.

Plant Size Recommendations:

- Deciduous Canopy Trees: 2" caliper
- Ornamental Trees: 1.5" caliper
- Evergreen Trees: 6' Ht. minimum, Balled & Burlap (B&B) or Container grown
- Shrubs: 5-gallon container
- Ornamental Grasses & Perennials: 1-gallon container

Reminders:

- Remember to call 811 before planting and soil disturbance for underground utility locations.
- If planting around utility boxes, contact all utility companies (Xcel Energy, etc.) for easement widths and clearance requirements around utility boxes and transformers.

PLANT MATERIALS

Tree Selection Recommendations:

The following are tree recommendations of different species of trees that can be planted in mountain communities. This list favors trees that grow at 8,000 ft+ elevations. Trees not indicated on this list may be used to satisfy requirements if approved by the City of Black Hawk Community Planning & Development Department. Please also see Gilpin County Colorado State University extension page (<https://gilpin.extension.colostate.edu/>) for more landscape information.

Evergreen Trees:

- | | |
|-------------------------------------------------------------|-------------------------------------------------------|
| 1. White Fir (<i>Abies concolor</i>) | 6. Colorado Spruce (<i>Picea pungens</i>) |
| 2. Subalpine Fir / Corkbark Fir (<i>Abies lasiocarpa</i>) | 7. Bristlecone Pine (<i>Pinus aristata</i>) |
| 3. Douglas Fir (<i>Pseudotsuga menziesii</i>) | 8. Lodgepole Pine (<i>Pinus contorta latifolia</i>) |
| 4. Rocky Mountain Juniper (<i>Juniperus scopulorum</i>) | 9. Limber Pine (<i>Pinus flexilis</i>) |
| 5. Engelmann Spruce (<i>Picea engelmannii</i>) | 10. Ponderosa Pine (<i>Pinus ponderosa</i>) |



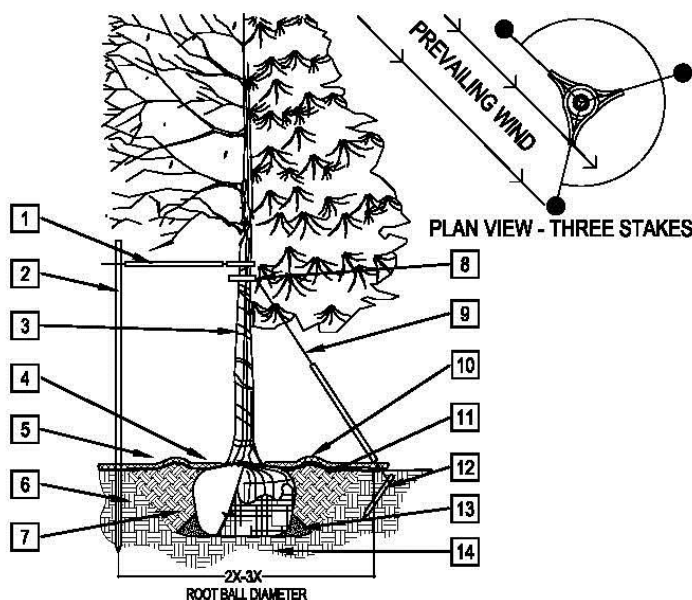
Deciduous Canopy Trees:

1. Boxelder (*Acer negundo*)
2. Western Red Birch, Rocky Mountain Birch (*Betula occidentalis fontinalis*) (like moist soils)
3. Waxleaf Cottonwood (*Populus acuminata*) (likes moist soils)
4. Narrowleaf Cottonwood (*Populus angustifolia*) (likes moist soils)
5. Balsam Poplar (*Populus balsamifera*) (likes moist soils)
6. White or Silver Poplar (*Populus alba*) (likes moist soils)
7. Quacking Aspen (*Populus tremuloides*)
8. Swedish Aspen (*Populus tremula 'Erecta'*)
9. Bur Oak (*Quercus macrocarpa*)
10. English Oak (*Quercus robur*)
11. Accolade Elm (*Ulmus x 'Morto'*)

Ornamental Trees:

1. Ginnala 'Flame' Maple or Amur Maple (*Acer ginnala*)
2. Rocky Mountain Maple (*Acer glabrum*)
3. Thinleaf Alder (*Alnus tenuifolia*)
4. Serviceberry spp. (*Amelanchier alnifolia*)
5. Mountain Mahogany (*Cercocarpus montanus*)
6. Russian Hawthorn (*Crataegus ambigua*)
7. Hopa Crabapple (*Malus hopya*)
8. Domestic Apple (*Malus domestica*)
9. Chockecherry (*Prunus melanocarpa*)
10. Canada Red Chokecherry (*Prunus virginiana 'Canada Red'*)
11. Shubert Chokecherry (*Prunus virginiana 'Shubert'*)
12. Gambel / Scrub Oak (*Quercus gambelii*)
13. Mountain Ash (*Sorbus aucuparia*)
14. Common Lilac (*Syringa vulgaris*)
15. Japanese Tree Lilac (*Syringa reticulata*)

TREE PLANTING DETAIL



1. PLACE MIN. 1/2" PVC PIPE AROUND EACH WIRE. EXPOSED WIRE SHALL BE MAX. 2" EACH SIDE
2. 6 FT. UNTREATED WOOD POST (MIN. 1.5" DIAMETER). ALL SHALL BE DRIVEN OUTSIDE ROOTBALL AND IN UNDISTURBED SOIL
3. TREE WRAP TO BE INSTALLED ONLY FROM OCTOBER 1 THROUGH APRIL 30. (DECIDUOUS ONLY)
4. PLANT TREE SO THAT FIRST ORDER MAJOR ROOT IS 1"-2" ABOVE FINAL GRADE.
5. 3" DEEP WOOD MULCH RING PLACED A MINIMUM OF 4 FT. IN DIAMETER. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK (FINISHED GRADE REFERENCES TOP OF MULCH).
6. 1:1 SLOPE ON SIDES OF PLANTING HOLE.
7. REMOVE ALL TWINE, ROPE, BURLAP AND WIRE FROM ENTIRE ROOT BALL AND TRUNK
8. GROMMETED NYLON STRAPS
9. GALVANIZED WIRE, MIN. 12 GAUGE CABLE - TWIST WIRE ONLY TO KEEP FROM SLIPPING.
10. 4-6" HIGH WATER SAUCER IN NON-TURF AREAS.
11. BACKFILL WITH BLEND OF EXISTING SOIL AND A MAXIMUM 20% (BY VOLUME) ORGANIC MATERIAL. WATER THOROUGHLY WHEN BACKFILLING
12. 2 FT. STEEL T-POST. ALL SHALL BE DRIVEN BELOW GRADE AND OUTSIDE ROOTBALL IN UNDISTURBED SOIL.
13. PLACE SOIL AROUND ROOT BALL FIRMLY, DO NOT COMPACT OR TAMP. SETTLE SOIL WITH WATER TO FILL ALL AIR POCKETS.
14. PLACE ROOT BALL ON UNDISTURBED SOIL TO PREVENT SETTLEMENT.



SEEDING FOR REVEGETATION, RECLAMATION AND EROSION CONTROL

General:

Contact a customer service representative at a local seed distributor to discuss the conditions, elevation, soil types, and watering that is planned for the site. If erosion control is necessary, a net straw blanket must be used to keep the seed in place. Hydroseeding or Hydromulching can be an option depending on the time of year and availability of supplemental water. There are many native grass stock mixes available, or the seed distributor may recommend a custom mix. Always follow the seeding rate and method recommended by the seed distributor. Listed below are some common seeds used in Colorado at elevations between 7,000' and 11,000' for revegetation and reclamation of disturbed soil.

Grasses:

Indian Ricegrass (*Achnatherum hymenoides*)
Ticklegrass (*Agrostis scabra*)
Blue Grama (*Bouteloua gracilis*)
Fringed Brome (*Bromus ciliates*)
Mountain Brome (*Bromus marginatus*)
Tufted Hairgrass (*Deschampsia cespitosa*)
Bottlebrush Squirreltail (*Elymus elymoides*)
Blue Wildrye (*Elymus glaucus*)

Thickspike Wheatgrass (*Elymus lanceolatus*)
Slender Wheatgrass (*Elymus trachycaulus*)
Rocky Mt Fescue (*Festuca saximontana*)
Thurber Fescue (*Festuca thurberi*)
Junegrass (*Koeleria macrantha*)
Sandberg Bluegrass (*Poa secunda*)
Alpine Bluegrass (*Poa alpine*)
Marmotgrass (*Trisetum spicatum*)

Wildflowers:

Yarrow (*Achillea millefolium*)
Colorado Columbine (*Aquilegia coerulea*)
Showy Fleabane Daisy (*Erigeron speciosus*)
Perennial Gaillardia (*Gaillardia aristata*)
Blue Flax (*Linum lewisii*)
Mountain Lupine (*Lupinus alpestris*)
Silver Lupine (*Lupinus argenteus*)

Rydberg's Penstemon (*Penstemon rydbergii*)
Rocky Mountain Penstemon (*Penstemon strictus*)
Mules Ears (*Wyethia amplexicaulis*)
Showy Goldeneye (*Heliomeris multiflora*)
Orange Mountain Daisy (*Hymenoxys hoopesii*)
Sulfur Paintbrush (*Castilleja sulphur*)