

Allowed Trees for Boulevard Planting



Forestry Department

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Boulevard planting permits available by
contacting Mandan Forestry Department.



What Constitutes the Boulevard?

The “boulevard” is a set measurement of the city right-of-way from the center line of the street. Different streets in Mandan may have different “right-of-way” measurements. Keep in mind that this right-of-way is measured irrespective of any sidewalk along the street. As a result, the boulevard or right-of-way may extend well beyond the sidewalk toward the house or building. This is especially true if the sidewalk is directly adjacent to the street. Any trees planted within this right-of-way may be eligible for a partial monetary reimbursement from the city of Mandan.

Maintenance

Mandan municipal code Sec.115-4-7 states that the property owner is responsible for the trimming of boulevard trees in regard to vehicle and/or pedestrian clearance and sight problems with obstructing trees. Section 115-4-5 gives regulations on trimming trees.

Participation guidelines

Before boulevard trees can be planted, please contact the City Forestry Dept. to verify that an acceptable tree species is planted with the proper spacing. Once the tree (or trees) has been planted, the forester/arborist must inspect the site to assure that the tree(s) have been planted at correct depth/space. Please refer to the diagram in the following page for proper planting instructions. Once the site has past inspection your receipt and permit will be submitted by the Forestry Dept. for reimbursement. The rebate comes in the form of a check from City Hall in downtown Mandan.

Trees Allowed on Large Boulevards (7.5'+)



Maple, Norway *Acer platanoides* Zone 4 (50'X40')

Prefer sheltered locations. Prone to sunscald/frost crack. Use tree wrap to protect bark in winter months.

Recommended varieties: Crimson King, Crimson Sentry, Deborah,, Emerald Lustre,



Maple, Silver *Acer saccharinum* Zone 3 (50'X40')

Iron Chlorosis can be a major problem when planted in high alkaline soils. Use tree wrap to protect bark during the winter months.

Recommended varieties: Silver Cloud, Silver Queen



Maple, Fall Fiesta *Acer saccharum* Zone 3 (50'X40')

Prefer sheltered locations, use tree wrap to protect bark in winter months. Fall color will not be as dramatic in alkaline soils.

Recommended varieties: Fall Fiesta, Northern Flare, Unity



Oak, Bur *Quercus macrocarpa* Zone 3 (65'X60')

Native species, very drought resistant and tolerant to a wide range of soil types, unlike other oak species



Linden, American *Tilia americana* Zone 3 (60'X40')

Native species with pyramidal growth is the perfect tree for areas where height is needed, but space is limited. Fragrant flowers in the spring

Recommended varieties: American Sentry, Boulevard, Frontyard, Redmond



Elm *Ulmus* hybrid Zone 3 & 4 (40'+X 35'+)

Dutch Elm Disease (DED) resistant cultivars only. Listed cultivars show resistance to DED. Elm leafminers can be an issue on Accolade and New Horizon

Recommended varieties: Accolade, Cathedral, Discovery, New Horizon, Patriot, Prairie Expedition, Princeton, St. Croix, Triumph, Valley Forge, Vanguard



Hackberry, Common *Celtis occidentalis* Zone 2 (50'X45')

Native species that tolerates harsh urban conditions. Deep rooted, rough, corky bark considered ornamental interest. Susceptible to nipple gall (aesthetic problem)

Recommended varieties: Delta

Trees Allowed on Large Boulevards (7.5'+)



Coffeetree, Kentucky *Gymnocladus dioica* Zone 4 (60'X40')

One of the last trees to leaf out but retains leaves late into fall. Very fragrant flowers. Rugged bark considered ornamental interest. Filters shade.

Recommended varieties: Espresso (seedless), Decaf



Maple, Freemanii *Acer x freemanii* Zone 3 (50'X40')

Sienna Glen is more resistant to frost crack and sunscald. Use tree wrap to protect the bark during winter months.

Recommended varieties: Firefall (seedless), Sienna Glen, Autumnblaze



Ginkgo *Ginkgo biloba* Zone 4 (45'X35')

Unique fan-shaped leaves considered ornamental interest. Plant male cultivars only (see recommended). Prefer sheltered locations.

Recommended varieties: Autumn Gold (seedless), Princeton Sentry (seedless)



Willow, Laurel Leaf *Salix pentandra* Zone 2 (40'X35')

Glossy leaves, Rapid growth. Tends to shed small branches easily in the wind.



Prairie Dream Paper Birch *Betula papyifera* Zone 2 (50'X40')

Single stem tree form only Hardy, stress tolerant form of paper birch with beautiful exfoliating snow white bark. Dark green foliage that turns golden-yellow in the fall. Bronze birch borer resistant



Catalpa, Northern *Catalpa speciosa* Zone 4 (50'X30')

Best planted in sheltered areas. Produces clusters of large, trumpet-shaped white flowers followed by bean-like seed pods. Requires cleanup after flower petals and seed pods drop.

Trees Allowed on Medium Boulevards (5.5-7')



Alder, Manchurian *Alnus hirsute* Zone 4 (40'X30')

Prefers a moist site; however, Prairie Horizon is the most drought tolerant of Alders. Prairie Horizon is approved for dry, difficult locations. Fruit considered of ornamental interest.

Recommended varieties: Prairie Horizon



Birch, Columnar *Betula platphylla* Zone 3 (35'X 8')

Narrow columnar habit excellent tree for where space is tight. Requires regular watering but is tolerant of heat, drought and alkaline soils.

Recommended varieties: Dakota Pinnacle, Parkland Pillar, Royal Frost



Maple, Red *Acer rubrum* Zone 3 (50'X40')

Prefer sheltered locations and acidic soils. Very prone to sunscald and frost cracks. Use tree wrap to protect the bark during the winter months.

Recommended varieties: Autumn Spire (seedless), Northfire, Northwoods (seedless), Scarlet Jewell



Buckeye, Ohio *Aesculus glabra* Zone 3 (35'X30')

One of the first trees to leaf out in the spring. Creamy, yellow flowers. Drought sensitive. Leaf scorch occurs during hot, dry weather causing leaves to drop early. Be sure to give extra water during these times. Seeds are gold ball size and spring. Excellent red, fall color

Recommended varieties: Autumn Splendor, Homestead



Honeylocust, Thornless *Gleditsia triacanthos var inermis* Zone 3 (45'X35')

Low maintenance tree. Do not fertilize after July as this will cause additional growth that will not harden off before winter temperatures arrive. Filters shade

Recommended varieties: Northern Acclaim, Skyline



Linden *Tilia* species Zone 2-4 (depending upon variety) (30-50'X 30')

Pyramidal growth, perfect for tight areas. Prone to Cottany Maple Scale. Salt and drought sensitive. Fragrant flowers in the spring followed by yellow fall color.

Recommended varieties: Dropmore, Glenleven, Greenspire, Harvest Gold, Norlin, Shamrock



Oak, Hybrid *Quercus* species Zone 4 (45'X 15-30')

Recommended varieties: Crimson Spire– A hybrid of White Oak & English Oak has a columnar (fastigate) growth habit. Regal Prince– A cross between English Oak & Swamp White Oak. Nice fall color.

Prairie Stature– A hybrid of English Oak & White Oak with a pyramidal form.



Corktree, Amur *Phellodendron amurense* Zone 3 (40'X50')

Unique bark that has a spongy, cork like texture and feel. Can withstand a variety of soil conditions, salts, and air pollutants. Should not be planted under power lines. Plant only male (seedless) varieties.

Recommended varieties: His Majesty, Macho, Shademaster, Superfection

Trees Allowed on Small Boulevards (4'-5.5')



Maple, Amur *Acer ginnala* Zone 3 (20'X15')

Graceful, irregular shape. Use tree wrap to protect the bark in winter months

Recommended varieties: Embers, Flame



Maple, Tatarian *Acer tataricum* Zone 3 (25'X20')

More tolerant to alkaline soils and drought than Amur Maple. Use tree wrap to protect the bark in winter months.

Recommended varieties: Hot Wings, Pattern Perfect, Rugged Charm



Crabapple, Flowering *Malus* hybrids Zone 3-4 (depending on species) (20-30'X 15-25')

Very popular, small ornamental tree that produces beautiful spring color with flowers ranging from white to deep pink. If variety produces fruit, spray tree on sidewalk/street side with fruit eliminator spray.

Recommended varieties: Spring Snow (fruitless)



Lilac, Japanese Tree *Syringa reticulata* Zone 3 (30'X25')

Fragrant, creamy white flowers bloom in June. Leaf w/out in early spring, can suffer from frost damage.

Recommended varieties: Ivory Pillar, Ivory Silk, Snow Cap, Snowdance (seedless)



Pear, Flowering *Pyrus ussuriensis* Zone 4 (30'X20')

White flowers bloom in late April. Leaves are semi-glossy. Resistance to fireblight. Chlorosis can be an issue in alkaline soils.

Recommended varieties: Autumn Blaze, Mountain Frost, Prairie Gem



Mountain Ash, Showy *Sorbus decora* Zone 2 (25'X20')

Hardest mountain ash. White flowers in late spring. Large clusters of red fruit in the fall. Moderate resistance to fireblight. Use fruit eliminator spray for less fruit production.



Plum, Black *Prunus nigra* Zone 2 (15'X15')

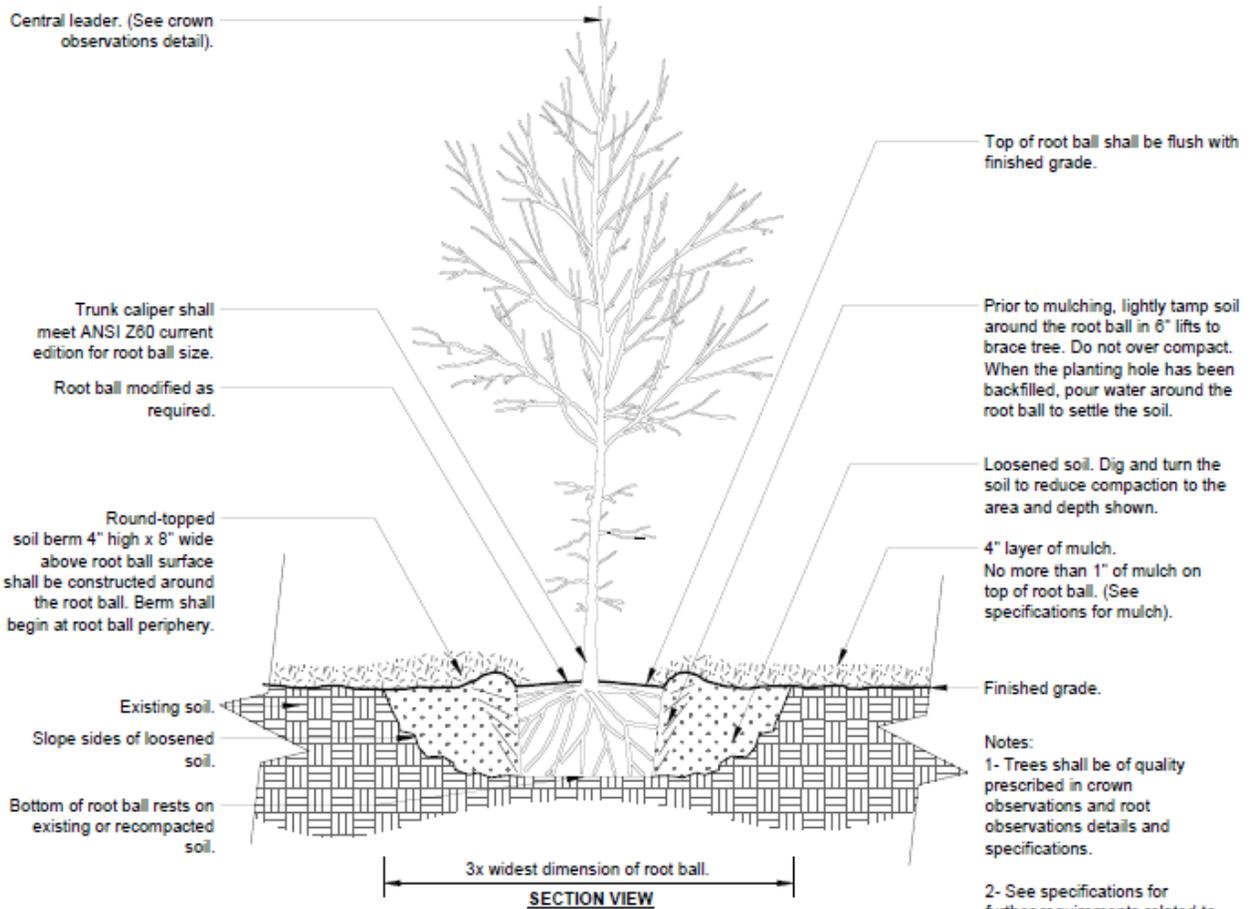
Produces no fruit. Fragrant white flowers late April. Choice tree for under powerlines.

Recommended varieties: Princess Kay



Ironwood *Ostrya virginiana* Zone 3 (35'X25')

Native Species- Understory tree for planting in the shade of mature trees. Retains leaves into the winter. Bark exfoliates in long strips and is considered ornamental interest.



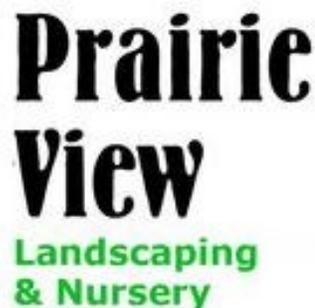
P-X

TREE w/ BERM (EXISTING SOIL NOT MODIFIED)

PARDS Reimbursement Program

A boulevard tree-planting program was initiated in Mandan in the Spring of 2004. This program, through the cooperative efforts of homeowners, local businesses, and the Mandan Forestry Department, encourages Mandan residents or property-owners to plant boulevard trees.

Thank you to those that contributed in 2019



Reimbursements are available to residents/ property owners that wish to plant approved trees on boulevards. Reimbursements to the purchaser will be half the price of the tree, up to \$50/tree (\$300/property). Submit a copy of your original sales receipt for the tree purchased along with your planting permit to Mandan Forestry Dept. 411 6th Ave. SW Mandan, ND 58554 Additional information can be by visiting www.cityofmandan.com/trees or calling 667-3240 ext. 8. Funds are available April through October (or until funds are no longer available).