

# VILLAGE OF MINOOKA

## Construction Standards and Specifications For Parkway Trees

### General

- All materials shall be grown in the United States of America. A letter of certification of the country of origin will be provided if requested by the Village.
- All trees shall conform to the current standards of the International Society of Arboriculture.

Trees shall not be planted within 10 feet (10') of any street light, fire hydrant, driveway, manhole, valve vault, public utility pedestal, transformer, etc.

### Minimum Size/Quality

- Trees planted in parkway shall be a minimum size of: 2 inch caliper balled and burlapped (B & B) measured six inches (6") above the top of the root ball.

### Planting Season

- Regardless of calendar date, trees must be dormant at the time they arrive at the site of the work or storage site. If trees are dug in-season, they must be properly watered and sheltered until the time of planting.
- Spring Planting: This work shall be performed from the time the soil can be worked until the plan, under field conditions, is not dormant except that evergreen planting shall terminate on June 1.
- Fall Planting: This work shall be performed from the time the plant becomes dormant until the ground cannot be satisfactorily worked except that evergreen planting shall be performed between September 1 and November 1.

### Excavation of Plant Holes

- The sides of all plant holes shall be angled at approximately 45 degrees. All plant holes shall be dug in such a manner that the inside surfaces of the hole shall be in loose friable condition prior to planting. Glazed or compacted sides will not be permitted.
- Plant holes shall be twice the diameter of the root ball. The root ball shall set on compacted, undisturbed earth.

- On slopes, the depth of excavation will be measured at the center of the hole.

### **Planting Procedure**

- Backfill may be excavated topsoil. The backfill shall, at the time of planting, be in a loose, friable condition.
- All plants shall be placed in a plumb position and set at the same depth as they grew in the nursery field. Backfill shall be placed around the root system. Tamping or watering shall accompany the backfilling operation to eliminate air pockets. Set the base of the tree trunk two inches (2") above the surrounding soil.
- A thorough watering of trees shall follow the backfilling operation. This watering shall completely saturate the backfill and be performed during the same day of planting. After the ground settles, as a result of the watering, additional backfill shall be placed to match the level of the finished grade. Approved watering equipment shall be at the site of the work and in operational condition prior to starting the planting operation.
- Balled and Burlapped/Basketed Plants: After the plant is placed in the hole all cords and burlap, or the complete basket, shall be cut away from the top one half of the balls.
- A circular water saucer shall be constructed around each individual plant.

### **Mulching/Wrapping**

- Immediately after watering, plants shall be mulched. A layer of wood chips shall be used to cover the circular water saucer to a depth of four inches (4") when settled.
- All mulching shall be kept at a minimum of six inches (6") from the trunk of all trees and shrubs.
- Immediately after planting, trunks of all deciduous trees shall be wrapped spirally from the ground to the lowest major branch (after pruning), overlapping the wrap at least one third (1/3) of its width. Trees shall not remain wrapped during the summer months.

### **Pruning Procedures**

- Qualified personnel, experienced in horticultural practices and operations, shall perform all pruning. All pruning shall be done with sharp tools in accordance with the best horticultural practices.
- The ends of all broken and damaged roots of one quarter inch (1/4") or larger shall be pruned with a clean cut, removing only the injured portion. All broken branches, stubs, and improper cuts of former pruning shall be removed.

- Pruning shall consist of thinning the twigs or branches as dictated by the habit of growth and the various types of the trees to be pruned. The leader and terminal buds shall not be cut unless directed by the owner.

### **List of Approved Species**

#### **TREE TYPE; SCIENTIFIC NAME; HEIGHT; CULTURE**

<b>AMERICAN HACKBERRIES*</b>	Celtic occidentalis; 45-80 feet; full sun, best in moist, well drained soils, but tolerates moderately wet, dry and alkaline sites.
<b>AMUR MAACKIA</b>	Ostrya virginiana; 25-40 feet; full sun or partial shade, moist, well-drained, slightly acid soil
<b>BALDCYPRESS*</b> Shawnee Brave	Taxodium distichum; 50-70 feet; full sun, moist, well-drained soil, but can grow in wet sites, even shallow water, prefers slightly acidic soil
<b>ELM</b> Accolade	Ulmus japonica x wilsoniana Accolade; 50-60 feet; full sun, moist, well drained
Triumph Elm	Ulmus Morton Glossy; 50-60 feet; full sun, moist, well drained
<b>GINKGO</b>	Ginkgo biloba (male only); 50-80 feet; full sun, moist, well-drained soil; tolerates drought, heat, air pollution and salt
<b>GOLDEN RAIN TREE</b>	Koelreuteria paniculata; 30-40 feet; full sun, moist, well-drained soil; tolerates drought, alkaline pH.
<b>HONEYLOCUST</b> Thornless	Gleditsia triacanthos; 30-70 feet; full sun, moist, well-drained soil; tolerates drought, alkaline pH, and salt
Skyline*	Gleditsia triacanthos; 30-50 feet; full sun, moist, well-drained soil, tolerates drought, alkaline pH, and salt
Shademaster	Gleditsia triacanthos; 50-70 feet; full sun, partial shade, moist, well-drained soil, tolerates drought, salt tolerant
<b>HORNBEAM</b> Upright European	Carpinus betulus; 30-40 feet; full sun to partial shade, best in well-drained soils, but tolerates wide range of soil conditions.
American*	Carpinus caroliniana; 20-30 feet; full sun or shade, acid soil, moist, well-drained, wet soil
<b>IRONWOOD*</b>	Ostrya virginiana; 25-40 feet; full sun or partial shade, moist well drained soils, but tolerates wide range of soil conditions.

**KENTUCKY COFFEETREE\***

Gymnocladus dioica; 50-70 feet; full sun, moist, well-drained Soil, tolerates drought, alkaline pH, and salt.

**LINDENS**

Little Leaf

Tilia cordata; 30-50 feet; full sun moist, well drained Soils, tolerant of alkaline soils.

Redmond American\*

Tilia Americana; 60-80 feet; full sun to partial shade, moist, well drained soils, tolerant of alkaline soils.

Sterling Silver

Tilia tomentosa; 50-70 feet; full sun; moist, well drained Soils, tolerant of alkaline soils.

**MACHO AMUR CORKTREE**

Phellodendron amurense; 30-50 feet; full sun, moist, well drained soils, but tolerates dryness, tolerant of alkaline sites

**MAPLES PLATING IS PROHIBITED UNTIL FURTHER NOTICE (moratorium began 10/17/2019)**

~~Autumn Blaze~~

~~Acer freemanii; 40-60 feet; full sun, moist, well drained soils, but tolerates dryness and wetness, acidic soils.~~

~~Crimson King~~

~~Acer platanoides; 35-40 feet; full sun to partial shade, moist, well drained soils, tolerant of alkaline and acidic soils.~~

~~Norway~~

~~Acer platanoides; 30-50 feet; full sun to part shade, prefers slightly moist, slightly acidic soils.~~

~~Pacific Sunset~~

~~Acer truncatum x platanoides; 40 feet; good for heat tolerant, dry soil, alkaline pH.~~

~~Red Sunset\*~~

~~Acer rubrum; 30-50 feet; full sun to light shade, prefers slightly moist, slightly acidic soils, tolerates wet sites.~~

~~Schwedlert~~

~~Acer pat schwedlerit; 30-50 feet; full sun, moist, well drained soils, tolerant of alkaline and acidic soils.~~

~~Sugar\*~~

~~Acer saccharum; 50-70 feet; full sun to moderate shade, prefers moist, but well drained soils.~~

**OAKS**

Bur\*

Quercus macrocarpa; 50-70 feet; full sun, tolerates both wet and dry sites, also tolerant of alkaline soil.

Pin\*

Quercus palustris; 60-75 feet; full sun, very tolerant of wet sites, requires acidic soil.

Red\*

Quercus rubra; 60-75 feet; full sun, moist, well-drained soil; prefers acid soil.

Sawtooth

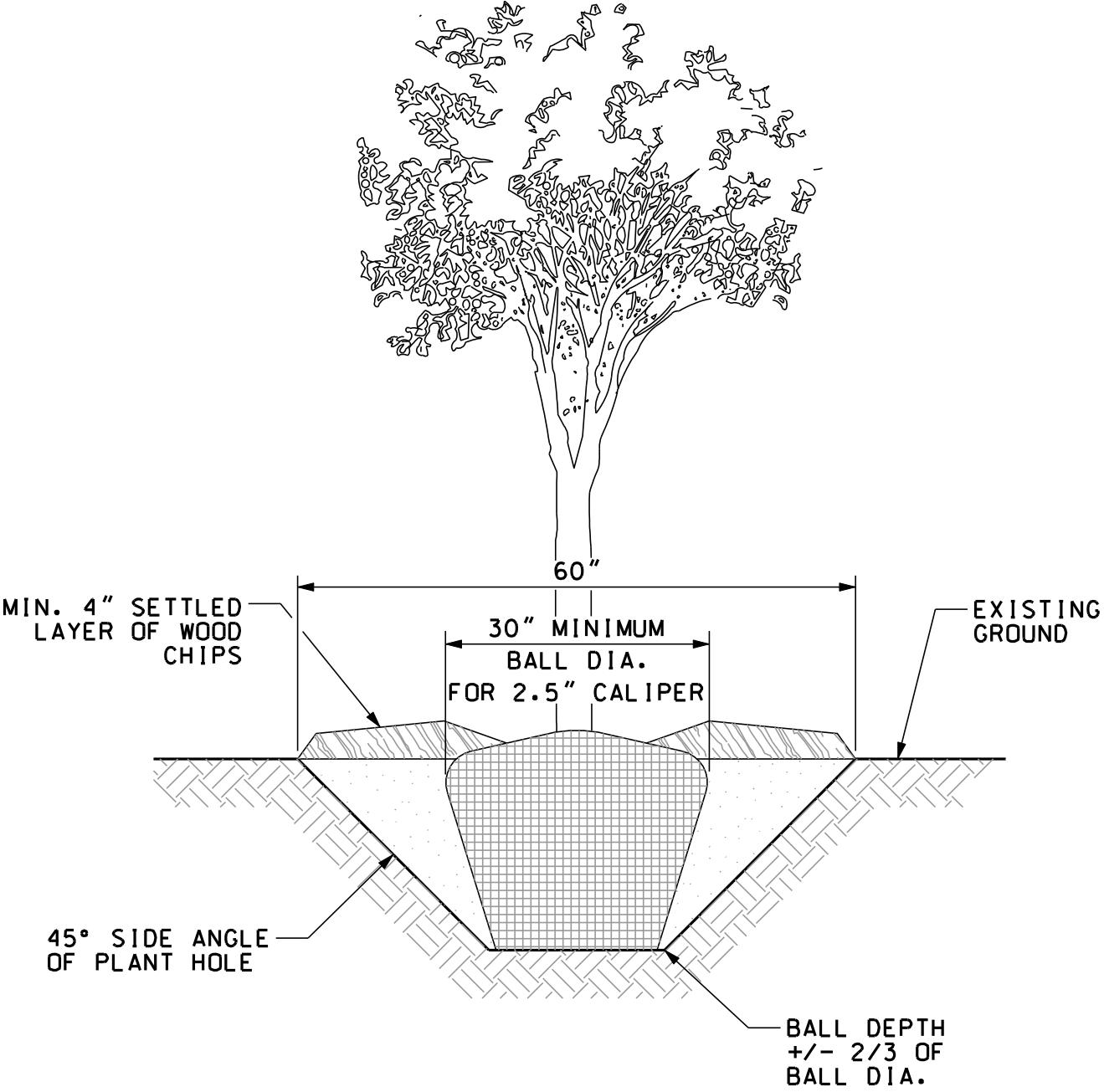
Quercus acutissima; 24-35 feet; full sun, moist, well-drained soil,

	prefers acid soil.
Scarlet	Quercus coccines; 50-70 feet; full sun; moist, well-drained soil, prefers acid soil.
White*	Quercus alba, 50-70 feet; full sun, moist, well-drained soil, prefers slightly acid soil pH.
Swamp White*	Quercus bicolor; 50-60 feet; full sun, moist, well-drained soil, acidic soil.
<b>SYCAMORE*</b>	Platanus occidentalis, 70-100 feet, full sun, best in moist, well drained soils, but tolerate of dry sites as well; tolerant of high soil pH.
<b>TULIP TREE</b>	Liriodendron tulipifera, 70-90 feet; full sun to partial shade, prefers acidic, moist, well-drained soils
<b>ZELKOVA</b>	
MUSASHINO	Zelkova Musashino; 40-50 feet; full sun to moderate shade, prefers moist, but well drained soils.
Japanese	Zelkova serrata; 50-80 feet; full sun to partial shade, acidic soils, moist, well drained.

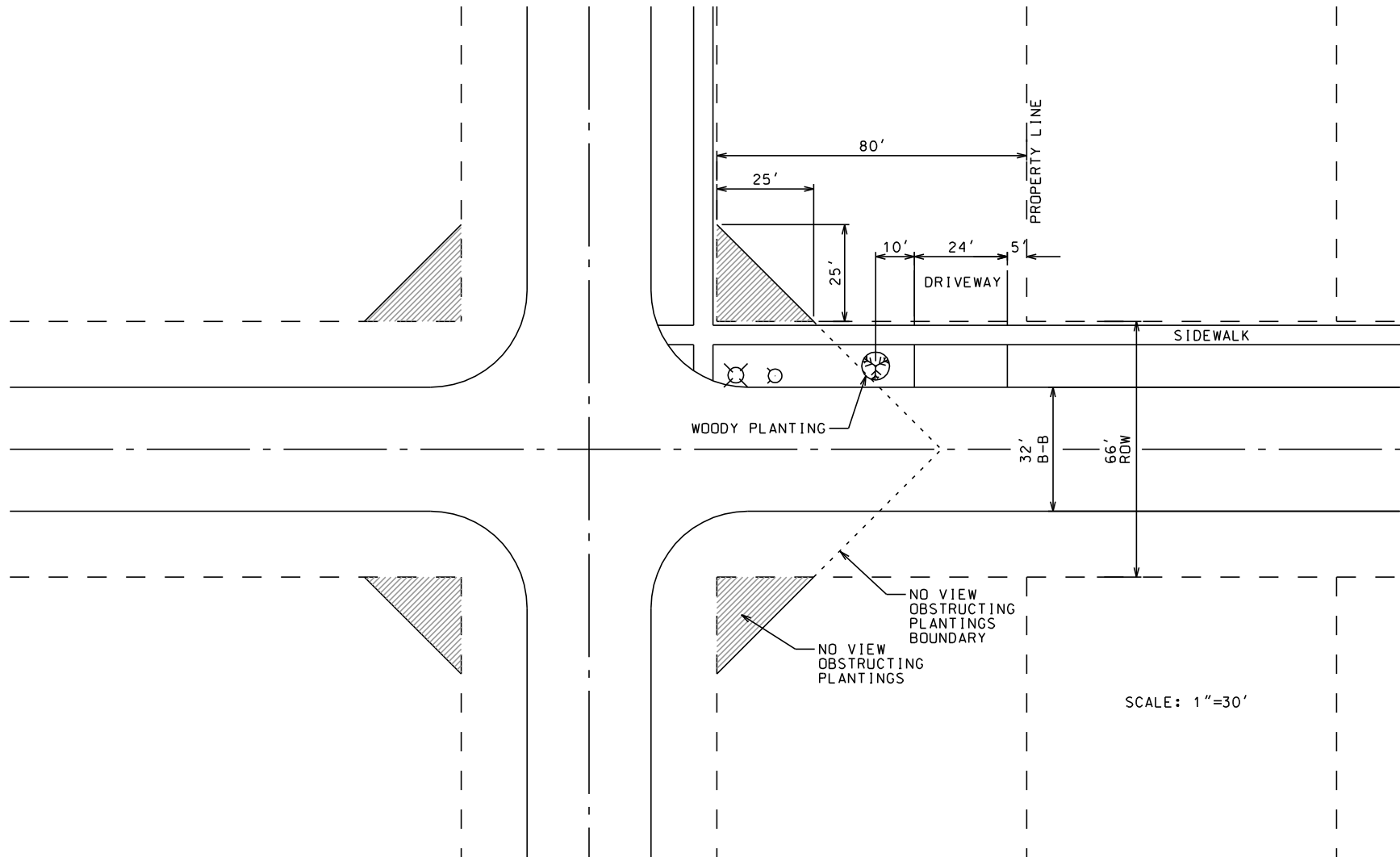
\*Denotes Native Trees

Tree varieties shall be alternated to eliminate the chance of disease, enhance the beauty of the parkway, eliminate the total loss of trees lining parkways in the event a species or variety were to become diseased. The same species of tree can only be used every fifth tree.

# PARKWAY TREE PLANTING DETAIL 1 OF 2



# PARKWAY TREE PLANTING DETAIL 2 OF 2



SCALE: 1"=30'