

The American Association of Nurserymen Standards for Nursery Stock.

3. The plant material shall be nursery grown and inspected by the Owner's representative before planting. The Owner's representative reserves the right to reject any plant material at any time.
4. Plants designated "B&B" shall be balled and burlapped with firm balls of earth.
5. Dig shrub pits one foot (1') larger than the shrub rootball, tree pits three (3) times the width of the tree rootball and backfill with one (1) part topsoil and one (1) part soil from excavated pit. Plant trees and shrubs at the same grade level at which they were planted at the nursery. If wet, clay soils are evident, plant trees and shrubs slightly higher.

6. The Contractor is responsible for planting the materials at the correct grades and spacing. The plants shall be oriented to give the best appearance.

7. When the plant has been properly set, the pit shall be backfilled with the topsoil mixture, gradually filling, patting, and settling with water.
8. Trees in lawn areas to have a four foot (4') circle of mulch, four inches (4") deep, and three inches (3") away from the trunk. Shrub beds are to be mulched with shredded bark mulch to a minimum depth of three inches (3"). Only natural color shredded hardwood bark mulch will be accepted.

9. Remove all twine, wire, and burlap from the top one third (1/3) of tree and shrub root balls and from tree trunks. Remove all non-biodegradable material such as plastic or nylon completely from branches and stems. All tree wrap, stakes, and guys are to be removed after one (1) winter season.

10. All plant materials shall be pruned and injuries repaired. The amount of pruning shall be limited to the removal of dead or injured limbs and to compensate for the loss of roots from transplanting. Cuts should be flush, leaving no stubs. Cuts over three quarters of an inch (3/4") shall be painted with tree paint. Shrubs along the site perimeter shall be allowed to grow together in a natural form.

11. Organic, friable topsoil shall be evenly distributed and fine graded over all areas to receive lawns at uniform depth of four inches (4") after settlement.

12. All lawn areas shall be sodded with a Grade A Kentucky Blue Grass blend over the topsoil.

13. All plantings shall be completed as a part of the road construction but no later than November 30. Plantings shall thereafter be reasonably maintained, including permanence and health of plant materials to provide a screen to abutting properties and including the absence of weeds and refuse.

14. Plant trees and shrubs no closer than the following minimum distances from sidewalks, curbs, and parking stalls:

- a. Shade/Canopy Trees Five feet (5')
- b. Ornamental/Flowering Trees Ten feet (10')
- c. Evergreen Trees Five feet (5')
- d. Evergreen/Flowering Shrubs Four feet (4').

15. Backfill directly behind all curbs and along sidewalks and compact to the to of curbs or walk to support vehicle and pedestrian weight without settling.

16. All landscape areas, especially parking lot islands and landscape beds next to buildings shall be excavated of all building materials and poor soils to a depth of twelve inches to eighteen inches (12"-18") and backfilled with good, medium-textured planting soil (loam or light yellow clay). Add four inches to six inches (4"-6") of topsoil over the fill material and crown a minimum of six inches (6") above the top of curbs and/or walks after earth settling unless otherwise noted on the landscape plan.

17. Conversion of all asphalt and gravel areas to landscape planting beds shall be done in the following manner:

- a. Remove all asphalt, gravel, and compacted earth to a depth of six inches to eighteen inches (6"-18") depending on the depth of the sub base and dispose of off site;
- b. Call the City for an inspection prior to backfilling;
- c. Replace excavated material with good, medium-textured planting soil (loam or light yellow clay) to a minimum of two inches (2") above the top of the curb and sidewalk, add four inches to six inches (4"-6") of topsoil and crown to a minimum of six inches (6") above the adjacent curb and walk after earth settling, unless otherwise noted on the landscape plan. If conversion from asphalt to landscape occurs in or between an existing landscape area (s), replace excavated material from four inches to six inches (4"-6") below adjacent existing grade with good, medium-textured planting soil (loam or light yellow clay) and add four inches to six inches (4"-6") of topsoil to meet existing grades after earth settling.

18. Edging shall consist of Perma-loc aluminum edging or approved equivalent.
19. Erete the rootballs of New shrubs to allow for better drainage.

- c. No. 1 grade material with a straight, unscarred trunk, and well-developed uniform crown (junk grade trees will not be accepted);
- d. Staked, wrapped, watered, and mulched according to the details provided; and
- e. Guaranteed for two (2) years.

3. Topsoil shall be friable, fertile soil of clayloam character containing at least five percent (5%) but not more than twenty percent (20%) by weight of organic matter with a pH range between 6.0 and 7.0. The topsoil shall be free from clay lumps, coarse sand, plant roots, sticks, and other foreign materials.

4. The seed mixture shall consist of the following types and proportions: Kentucky Blue Grass blend "Baron/Sher/Adephi" @ sixty percent (60%), Drawing Fescue @ twenty-five percent (25 %), Creeping Red Fescue @ ten percent (10 %), and Perennial Ryegrass @ five percent (5 %). Weed content shall not exceed one percent (1 %). The mix shall be applied at a rate of 200 pounds per acre.

5. Sod shall be two (2) year old "Baron/Sher/Adephi" Kentucky Blue Grass blend grown in a sod nursery on loam soil.

6. Proposed perennials shall be full, well-rooted plants.

GENERAL

1. Do not plant deciduous or evergreen trees directly over utility lines or under overhead wires. Maintain a six foot (6') distance from the centerline of utilities and twenty feet (20') from the centerline of overhead wires for planting holes. Call MGS Dig forty-eight (48) hours prior to landscape construction for field location of utility lines.

- The Owner's representative reserves the right for a final inspection. Plant material with twenty-five percent (25%) die back, as determined by the Owner's representative shall be replaced. This guarantee includes the furnishing of new plants, labor, and materials. These new plants shall also be guaranteed for a period of two (2) years.

3. The work shall consist of providing all necessary materials, labor, equipment, tools, and supervision required for the completion as indicated on the drawings.

4. Landscape areas shall be irrigated by an automatic underground irrigation system. Lawns and shrub/landscape areas shall be watered by separate zones to minimize over watering.

5. All written dimensions/overrides shall be dimensioned on the plans.
6. All substitutions or deviations from the landscape plan must be approved by the City of DETROIT.

7. All bidders must inspect the site and report any discrepancies to the Owner's representative.

8. All specifications are subject to change due to existing conditions.
9. The Owner's representative reserves the right to approve all plant material.

10. All ground mounted mechanical units shall be screened on three (3) sides with living plant material.

- MAINTENANCE
1. The Owner of the landscaping shall perpetually maintain such landscaping in good condition so as to present a healthy, neat, and orderly appearance, free from refuse and debris.

2. The Owner shall conduct a seasonal landscape maintenance program including regular lawn cutting (at least once per week during the growing season), pruning at appropriate times, watering, and snow removal during winter.

3. The Contractor is responsible for watering and maintenance of all seed areas until a minimum of ninety percent (90%) coverage, as determined by the Owner's representative.

4. All diseased and/or dead material shall be removed within sixty (60) days following notification and shall be replaced within the next appropriate planting season or within one (1) year, whichever comes first.

5. Any debris such as lawn clippings, fallen leaves, fallen limbs, and litter shall be removed from the site on a weekly basis at the appropriate season.

6. All planting beds shall be maintained by removing weeds, fertilizing, and replenishing mulch as needed.

7. Annual beds shall be kept free of weeds and mulched with sphagnum peat of a neutral pH as needed. Perennial beds shall be kept free of weeds and mulched with fine textured shredded bark as needed. Cut spent flower stalks from perennial plants at regular intervals.

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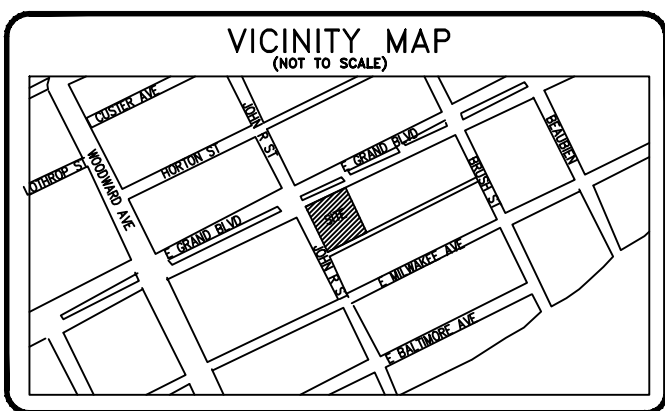
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LANDSCAPE DATA :

GREENBELT LANDSCAPE MATERIAL:

KEY	QUAN	SIZE	BOTANICAL NAME	COMMON NAME	SYMBOL
WGB	49	36 IN HIGH	WINTERGREEN BOXWOOD	WINTERGREEN BOXWOOD	⊗
L	7		NELUMBO LUTEA	LOTUS	○
GR	14	2 1/2" - 3" CALIPER	KDELREUTRIA PANICULATA	GOLDEN RAIN TREE	⊗

LANDSCAPING PROVIDED:

DECIDUOUS SHADE OR EVERGREEN TREE PROVIDED = 14 TREES

SHRUBS PROVIDED = 78 SHRUBS

PLANTING PROVIDED = 92 PLANTS

WINTERGREEN BOXWOOD

Plant Specifications Botanical Name: Buxus sinica var. insularis 'Wintergreen' (often grouped with Korean little leaf type)USDA Hardness Zones: 4 through 9Shade Size: 2-4 feet tall, 3-5 feet wide Growth Rate: Slow, adding about 2 to 3 inches of growth per year Sun Exposure: Full sun to partial shade (benefits from afternoon shade in hot southern climates)Care Requirements: Soil: Prefers rich, organic, and well-draining soil. It is prone to rot if left in standing water or soggy soil.Watering: Keep soil moist during the first year to establish roots. Once established, it is fairly drought-tolerant, needing water only during dry spells.Mulching: Apply a thick layer of mulch around the base to retain moisture, keeping the mulch a couple of inches away from the actual stem.Pruning: Responds very well to shearing and heavy pruning. Shape in the spring after the initial flush of new growth.

GOLDEN RAIN TREE

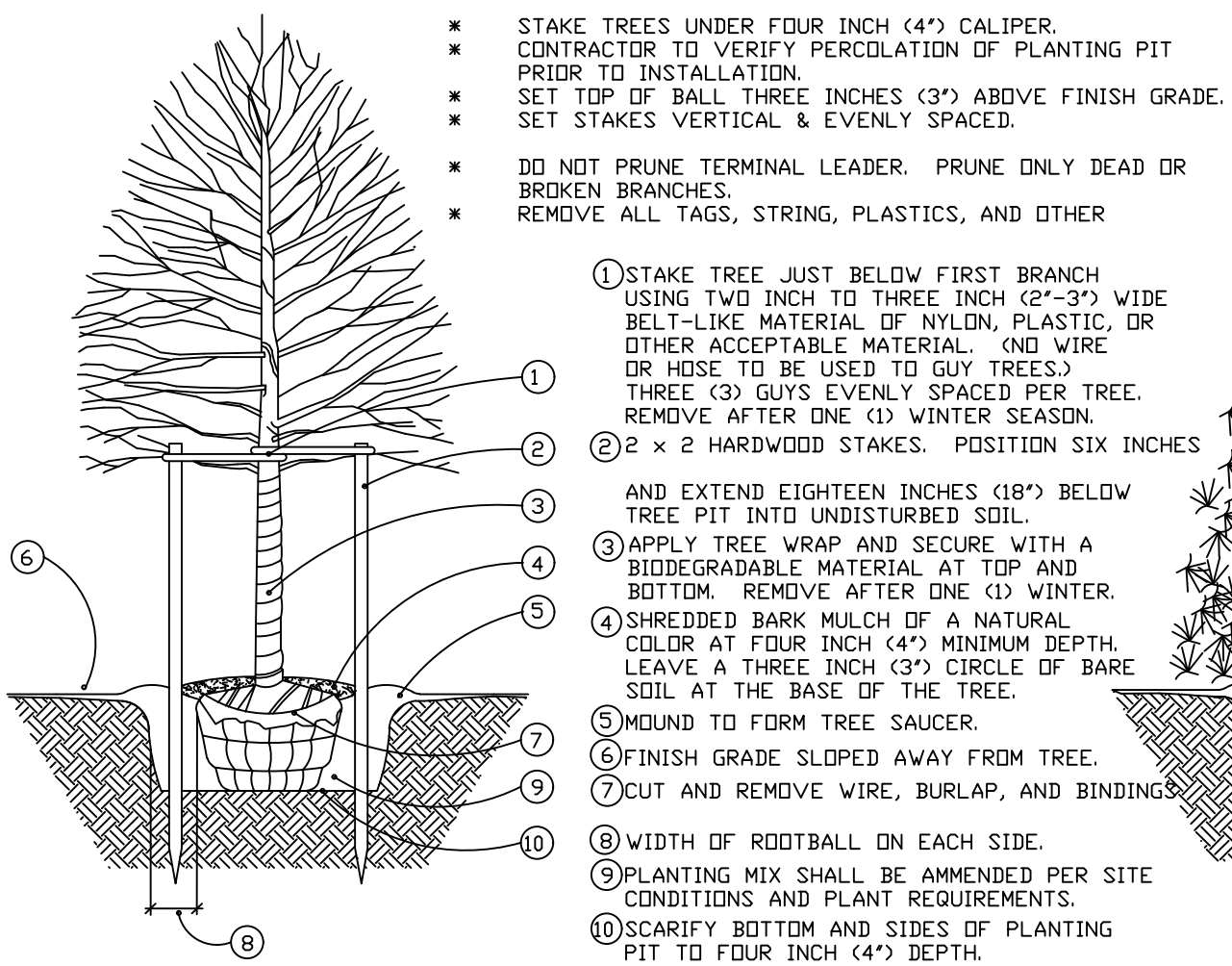
Key CharacteristicsSize: Grows 30 to 40 feet tall and equally wide with an open, dome-shaped crown.Foliage: Pinnately compound, feathery green leaves that emerge pinkish-bronze in spring and turn yellow in autumn.Flowers: Showy, bright yellow clusters blooming in long terminal panicles during mid-to-late summer.Fruit: Distinctive three-lobed, bladder-like seed capsules that turn from green to pinkish-orange in the fall.Growing Conditions Sunlight: Requires full sun.Soil: Highly adaptable to various soils (sand, loam, or clay) and pH levels, provided they are well-drained.Hardiness: Thrives in USDA Hardness Zones 5 through 9.Tolerances: Highly resistant to drought, urban pollution, and wind once established.

NOTES:

- * STAKE ALL EVERGREEN TREES UNDER TWELVE FEET (12') HIGH. GUY ALL EVERGREEN TREES TWELVE FEET (12') HIGH AND OVER.
- * CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION.
- * NEVER CUT CENTRAL LEADER. PRUNE ONLY TO REMOVE DEAD OR BROKEN BRANCHES.
- * SET STAKES VERTICAL AND EVENLY SPACED.
- * REMOVE ALL TAGS, STRING, PLASTICS, AND OTHER MATERIALS THAT ARE UNSIGHTLY OR COULD CAUSE GIRDLING.

- 1) STAKE TREE JUST BELOW FIRST BRANCH USING TWO INCH TO THREE INCH (2"-3") WIDE BELT-LIKE MATERIAL OF NYLON, PLASTIC, OR OTHER ACCEPTABLE MATERIAL. (NO WIRE OR HOSE TO BE USED TO GUY TREES.) THREE (3) GUYS EVENLY SPACED PER TREE. REMOVE AFTER ONE (1) WINTER SEASON.
- 2) 2 x 2 HARDWOOD STAKES. POSITION SIX INCHES TO EIGHT INCHES (6"-8") OUTSIDE OF ROOTBALL AND EXTEND EIGHTEEN INCHES (18") BELOW TREE PIT INTO UNDISTURBED SOIL.
- 3) SHREDDED BARK MULCH OF A NATURAL COLOR AT FOUR INCH (4") MINIMUM DEPTH. LEAVE A THREE INCH (3") CIRCLE OF BARE SOIL AT THE BASE OF THE TREE.
- 4) MOUND TO FORM TREE SAUCER.
- 5) FINISH GRADE SLOPED AWAY FROM TREE.
- 6) CUT AND REMOVE WIRE, BURLAP, AND BINDINGS FROM THE TOP ONE-THIRD (1/3) OF THE ROOTBALL.
- 7) PLANTING MIX SHALL BE AMENDED PER SITE CONDITIONS AND PLANT REQUIREMENTS.
- 8) WIDTH OF ROOTBALL ON EACH SIDE.
- 9) SCARIFY BOTTOM AND SIDES OF PLANTING PIT TO FOUR INCH (4") DEPTH.

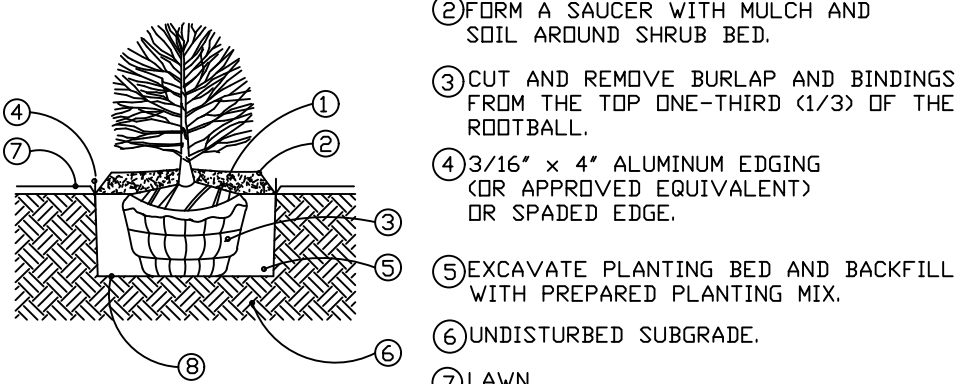
EVERGREEN TREE



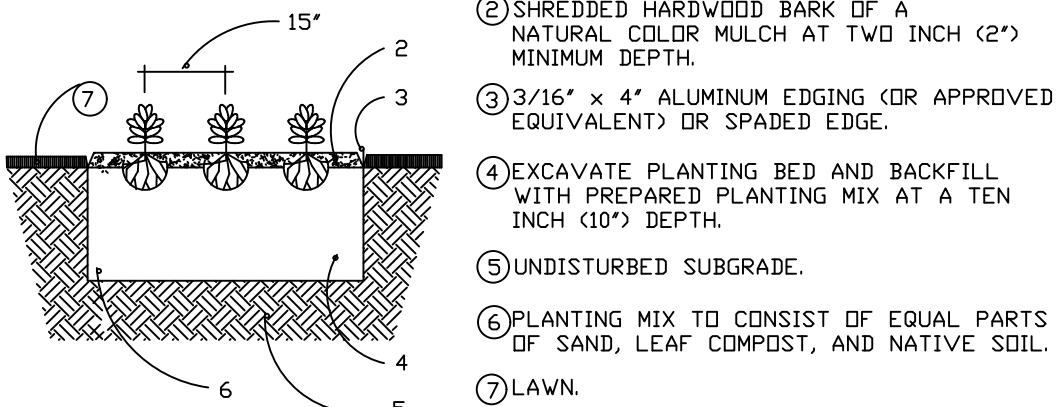
DECIDUOUS TREE PLANTING DETAILS

NOTE:

- * CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO INSTALLATION.
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- * PERENNIALS TO BE PLANTED UP TO THE EDGE OF THE SAUCER AROUND A TREE OR SHRUB BED.
- * SHREDDED BARK MULCH AT THREE INCH (3") MINIMUM DEPTH. MULCH SHALL BE NATURAL IN COLOR.
- * FORM A SAUCER WITH MULCH AND SOIL AROUND SHRUB BED.
- * CUT AND REMOVE BURLAP AND BINDINGS FROM THE TOP ONE-THIRD (1/3) OF THE ROOTBALL.
- * 3/16" x 4" ALUMINUM EDGING (OR APPROVED EQUIVALENT) OR SPADED EDGE.
- * EXCAVATE PLANTING BED AND BACKFILL WITH PREPARED PLANTING MIX.
- * UNDISTURBED SUBGRADE.
- * LAWN.
- * SCARIFY SUBGRADE.



SHRUB



ANNUAL / PERENNIAL / GROUND COVER

not to scale

NSI CONSTRUCTION INC.

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