

PLANTING REQUIREMENTS:

GENERAL NOTES:

- A. Plant material list submittal: within 30 calendar days after receipt of the notice to proceed, landscape contractor shall submit a complete list of materials proposed to be furnished and installed demonstrating conformance with the requirements specified. Include the name, addresses and telephone numbers of all plant material suppliers and
- 1.A. Documentation shall also include suppliers name, contact person, address, telephone number, botanical and common name, plant size and size of container or ball.
- 1.B. Contractor shall provide a signed statement from the plant suppliers who have furnished the plant materials identifying the plant materials being supplied by botanical and common names, plant size and stating that all of the plants supplied by them are in healthy growing conditions meeting the American Standard for Nursery Stock (ANSI 760.1)
- 1.C. Submit a project installation schedule, coordinated with the proposed soil amending and planting schedule to the landscape architect or owner for approval at least 30 calendar days prior to start of work under this section.
- B. Substitutions of plant materials will not be permitted unless authorized in writing by the landscape architect or owner. If proof is submitted that any plant specified is not obtainable, a proposal will be considered for use of the nearest equivalent size and or variety. Such proof shall be substantiated and submitted in writing to the landscape architect or owner at least 30 days prior to start of work under this section. These provisions shall not relieve contractor of the responsibility of obtaining specified materials in advance if special growing conditions or other arrangements must be made in order to supply specified materials.
- C. Plants shall be subject to inspection and approval by landscape architect or owner for conformance to specifications upon delivery to the project site. Such approval shall not impair the subsequent right of inspection and rejection during progress of the work. Contractor shall give landscape architect 48 hours advance notice when plants will be delivered to the site for inspection. Inspection of plant materials shall take place within 24 hours of delivery to the site.
- D. Coordinate work with other trades as required.
- E. Locate all underground utilities prior to commencing work to avoid damage to buried pipes and cables.
- F. Provide protection for all property, persons, work in progress, structures, utilities, walls, curbs and paved surfaces from potential damage arising from this work. The contractor shall pay for any such damage at no additional cost to the owner. Unfinished and completed work shall be protected from erosion or trespassing, and proper safeguards shall be erected to protect the public from injury or danger.

PLANTING NOTES:

FINISH GRADE -

SIDEWALK

- 1. Verify bedlines and plant layout with landscape architect prior to commencing work.
- Verify that site conditions are acceptable prior to beginning work. Do not install any site elements or plant material until unsatisfactory conditions are corrected. When conditions detrimental to plant growth/constructed elements are encountered, immediately notify the owner.
- 3. Substitutions or changes in materials and placement shall be made only after written change orders are accepted by the owner.
- 4. Install protective fencing for on site existing trees and vegetation to remain, and plant material located on adjacent property prior to commencing work. The critical root protection area of all trees to remain has been established as a 1 feet radius of protection area for every 1 inches of diameter measured at 4.5 feet above grade, or the tree drip line, whichever is greater. Locate tree protection fencing as indicated on plan. Fencing is to be installed with stakes driven into the ground, not mounted on cinder blocks. The signage shall be affixed to the fencing that reads: 'No Entry, Tree Root Protection Area'. See existing tree and vegetation protection detail for additional information.

- All areas subject to clearing and grading that have not been covered by impervious surface, incorporated into a drainage facility or engineered as structural fill or slope shall, at project completion, demonstrate the following:
- 1) General Soil Requirements: The topsoil layer shall have a minimum depth of eight inches except where tree roots limit the depth of incorporation of amendments needed to meet the criteria. Subsoils below the topsoil layer should be scarified at least 4 inches with some incorporation of the upper material to avoid stratified layers, where feasible. The topsoil layer shall have an organic matter content of 5% dry weight for turf areas, and 10% dry weight for planting beds (typically around 20-25% compost for turf areas and 35-40% compost for planting areas). The soil portion must be 75-80% sandy loam for turf areas, and 60-65% sandy loam for planting areas. Soil pH should be 5.5-6.5 for turf areas, 5.5-7.0 for planting areas and 4.5-5.5 for areas planted with acid-tolerant or native plantings.
- 2) Requirements for Amending Existing Soil in Place:
 Turf Areas Place and rototill 1.75 inches of composted material into 7.75 inches of existing soil for a total depth of 9.5 inches, and a settled depth of 8 inches. Subsoils below this layer should be scarified at least 4 inches, for a finished minimum depth of 12 inches of uncompacted soil. Planting Beds Place and rototill 3 inches of composted material into 6.5 inches of existing soil for a total depth of 9.5 inches, and a settled depth of 8 inches. Subsoils below this layer should be scarified at least 4 inches, for a finished minimum depth of 12 inches of uncompacted soil. Do not scarify within drip lines of existing trees to be retained.
- 3) Requirements for Applying Imported Topsoil:
 Turf Areas and Planting Areas Scarify or till subgrade in two
 directions to 6 inches depth. Entire surface should be disturbed by
 scarification. Do not scarify within drip lines of existing trees to be
 retained. Place 4 inches of imported topsoil mix on surface and till into
 2 inches of soil. Place second lift of 4 inches topsoil mix on surface.
- 4) Requirements for Reapplying Stockpiled Topsoil: Turf Areas - Reapply stockpiled soil and rototill in 1.75 inches of composted material for a combined minimum depth of 8 inches of soil and compost. Planting Beds - Reapply stockpiled soil and rototill in 3 inches of composted material for a combined minimum depth of 8 inches of soil and compost.
- 5) Within Stormwater Systems On-site soil mixing or placement shall not be performed if soil is saturated or frozen. Total amended soil depth shall be a minimum of 18 inches. Mix all soil amendments uniformly throughout the rain garden soil section. Amended soil shall be placed in horizontal layers in no greater than 12 inches lifts. Allow soils to compact and settle naturally. Areas can be watered after each lift is placed to speed settling, but should not be wetted to saturation. Until the upstream catchment area is thoroughly stabilized, flow diversion and erosion control measures must be installed to protect the bioretention area from sedimentation.
- 6) Rake beds to smooth, clean and remove all rocks, roots and debris over 1 inch in diameter. Water or roll turf areas to compact soil to 85 percent of maximum. Finish grade shall be at least 3 inches below adjacent hard surfaces for planting areas to allow for application of mulch. Finished grade for turf areas shall be at least 2 inches below adjacent hard surfaces. All planting areas must be mulched with 2 inches of organic material.

-1/2" DIA. BLACK RUBBER HOSE (TYP)

REMOVE BURLAP AND TWINE (AND WIRE BASKETS) OFF TOP 1/3 OF ROOTBALL

BREAK SIDES AND BOTTOMS OF PLANTING

PIT TO ALLOW FOR ROOT PENETRATION

TREE WRAP AS SPECIFIED TO FIRST BRANCHING

2" MULCH LAYER FEATHERED AWAY FROM TRUNK

12 GA. WIRE, TWIST TO TIGHTEN

CURB & ASPHALT

ROOT BARRIER (SEE NOTE# 2)

PLANTING MIX AS SPECIFIED

COMPACTED SOIL BASE

-FERTILIZER TABLETS AS SPECIFIED

FERTILIZER TABLETS AS SPECIFIED

2" DIA. TREE STAKES (TYP)

─ 3" WATER BASIN

- 6. Plants shall be pit planted with a 50/50 prepared mix of native soil and topsoil mix. See planting details for depth and staking requirements.
- 7. Fertilize all installed plants during backfill operations with organic fertilizer as recommended by manufacturer.
- 8. Mulch all planted areas with a minimum 2 inch (2") depth of medium fine bark mulch. Finish grade of mulch shall be one inch (1") below top of
- 9. All plant material to be nursery grown stock and arrive on-site in a healthy, vigorous, well branched, disease and insect free condition.

adjacent hard surface.

- 10. Plant trees, shrubs and groundcover as shown in the planting details. Roughly scarify sides of the planting pits. Install plant material at finish grade and feather bark mulch away from base of plant. Water plant pits thoroughly midway through backfilling and add fertilizer tablets. Balled and burlapped material that cannot be installed immediately shall be heeled in, mulched and watered regularly to keep root balls moist.
- 11. Provide landscape maintenance immediately after planting and continue until final acceptance. Work shall include watering, spraying, fertilizing, pruning, resetting of plants, restoring eroded areas, adjustments to staking and removal of weeds/debris as required for healthy plant growth.
- 12. Inspection and acceptance: the owner will make an inspection for substantial completion of the work upon request by the contractor.
- 13. Replacement of plantings: remove any plant from site that is either dead, or in unsatisfactory condition as determined by the owner or landscape architect. Replace with a new planting of equal size and species as soon as conditions permit within the normal planting season. All replacement plantings are then to be under re-instated guarantee period as specified. Identify those replacements and take whatever measures necessary to prevent similar demise of additional plant material.
- 14. Provide root barrier in a surround or linear pattern for tree plantings when trunk is located within five (5) linear feet of any paved surface. Deeproot universal barrier #UB18-2 (or approved equal). Install per manufacturer's recommendations.

Warranty:

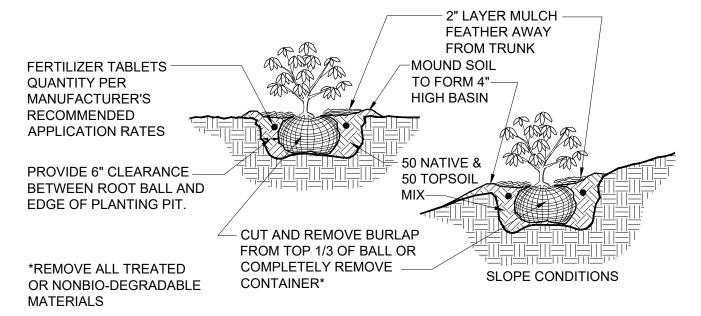
The warranty shall include replacing and planting the same size and species of plant material, as shown on the landscape plan and that has been designated, by the landscape architect, to be replaced. Except for loss due to excessively severe climatological conditions (20 year weather charts), installed plant materials are required to be guaranteed until the end of one growing season against defects and unsatisfactory growth, except for cases of neglect or abuse by the owners or others. All plants replaced shall be re-instated under these plant guaranty conditions

CITY OF REDMOND NOTES:

- 1. Bark, mulch, gravel or other non-vegetative material shall only be used in conjunction with groundcover with groundcover plantings to assist growth and maintenance or to visually complement plant material. In planted areas, non-vegetative material shall not appear to be dominant over plant material.
- Plants have been selected and grouped with other plants that have complimentary soil moisture and light requirements. Plants are located and spaced to accommodate plant growth habit and space requirements.

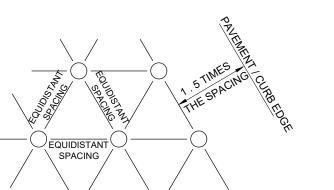
CONCEPTUAL PLANT SCHEDULE:

SYMBOL Q	TY. BOTANICAL NAME / COMMON NAME	NURSERY SPEC SIZE	SPACING / CONDITION	SIZE CLASSIF.	USDA HARDINESS
REES - DECIDUOUS	PLANT QUANTITIES PROVIDED FOR CITY REVIEW-CONTRACTOR TO REVIEW PLANS AND TAKE COUNTS PRIOR TO CONSTRUCTION			SITE IS IN 8b HARDINESS ZONE (SOURCE: OSU PLANT DATABASE	
- Contraction	ACER PALMATUM 'SANGO KAKU' / CORAL BARK MAPLE	7' HT.	MULTI-TRUNK, EVENLY BRANCHED, SPECIMEN	SM TREE	5-8
•	ACER RUBRUM 'JFS-KW78' PP 25301 / ARMSTRONG GOLD® MAPLE MAPLE	2" CAL.	B&B, EVENLY BRANCHED	CANOPY TREE	3-9
	MAGNOLIA X GRANDIFLORA 'LITTLE GEM' / LITTLE GEM SOUTHERN MAGNOLIA	7' HT.	B&B, EVENLY BRANCHED SPECIMEN	, SM TREE	7-9
FREES -CONIFER	JUNIPERUS SCOPULORUM 'SKYROCKET' / UPRIGHT JUNIPER	7'-8' HT.	B&B	SM TREE	4-9
	CUPRESSUS SEMPERVIRENS 'MONSHEL' / TINY TOWER® ITALIAN CYPRESS	7' HT.	B&B	SM TREE	7-10
SHRUBS	CHAMAECYPARIS LAWSONIANA 'WISSEL'S SAGUARO' / WISSELS SAGUARO CYPRESS	3 GAL. / 2' HT MIN.	LOCATE AS INDICATED	ACCENT SHRUB	7-9
	CHOISYA TERNATA 'AZTEC PEARL' / AZTEC PEARL MEXICAN ORANGE	5 GAL. /18" HT. MIN.	36" O.C.	MED SHRUB	7-10
$\langle R \rangle$	CORNUS SERICEA 'ISANTI' / ISANTI RED-OSIER DOGWOOD	5 GAL. /18" HT. MIN.	42" O.C.	MED SHRUB	3-7
	FATSIA JAPONICA 'VARIEGATA / VARIEGATED JAPANESE ARALIA	5 GAL. CONTAINER	LOCATE AS INDICATED	MED SHRUB	3-7
<i>9</i> ,5	JUNIPERUS SQUAMATA 'BLUE RUG' / BLUE RUG JUNIPER	1 GAL. / 9" WD MIN.	24" O.C.	SMALL SHRUB	3-9
Ø	KALMIA LATIFOLIA 'TIDDLYWINKS' / TIDDLYWINKS MOUNTAIN LAUREL	3 GAL. CONTAINER	36" O.C.	SMALL SHRUB	5-9
©—	LONICERA PILEATA / BOX-LEAF HONEYSUCKLE	5 GAL. CONTAINER	36" O.C.	SMALL SHRUB	5-9
(<u>\(\)</u>	NANDINA DOMESTICA 'GULF STREAM' / DWARF HEAVENLY BAMBOO	2 GAL. / 12" HT MIN.	36" O.C.	SMALL SHRUB	6-11
\odot	NANDINA DOMESTICA 'FIRE POWER' / FIRE POWER HEAVENLY BAMBOO	2 GAL. / 12" HT MIN.	30" O.C.	SMALL SHRUB	6-11
© —	PIERIS JAPONICA 'LITTLE HEATH' / DWARF LITTLE HEATH JAPANESE PIERIS	2 GAL. CONTAINER	36" O.C.	SMALL SHRUB	5-9
(A)	RHAPHIOLEPIS INDICA 'SPRINGTIME' / SPRINGTIME INDIAN HAWTHORN	5 GAL. /18" HT. MIN.	36" O.C.	SMALL SHRUB	7-10
·—	RIBES SANGUINEUM 'KING EDWARD VII' / RED FLOWERING CURRANT (NATIVE)	5 GAL. /18" HT. MIN.	36" O.C.	MED SHRUB	6-8
	VACCINIUM OVATUM / EVERGREEN HUCKLEBERRY (NATIVE)	5 GAL. /18" HT. MIN.	36" O.C.	MED SHRUB	7-9
FERNS, GRASSES & P	YUCCA FILAMENTOSA 'COLORGUARD' / COLORGUARD YUCCA ERENNIALS	3 GAL. /12" HT. MIN.	LOCATE AS INDICATED	ACCENT SHRUB	4-10
Ø	BERGENIA 'BRESSINGHAM RUBY' / BRESSINGHAM RUBY BERGENIA	1 GAL. / 6" HT MIN.	12" O.C.	MED GR. COVER	3-9
⊕ ——	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / FEATHER REED GRASS	1 GAL. CONTAINER 24" O.C.			
\$	CAREX ELATA 'AUREA' / BOWLES GOLDEN SEDGE	1 GAL. / 9" HT MIN.	18" O.C.	LOW GRASS	4-9
@	HAKONECHLOA MACRA 'AUREOLA' / GOLDEN JAPANESE FOREST GRASS	1 GAL. / 9" HT MIN.	18" O.C.	MED GRASS	4-9
(D)	HELICTOTRICHON SEMPERVIRENS 'SAPHIRSPRUDEL' / BLUE OAT GRASS	1 GAL. / 9" HT MIN.	18" O.C.	MED GRASS	4-9 4-9
&	MISCANTHUS SINENSIS 'ADAGIO' / ADAGIO MAIDEN GRASS	5 GAL. /18" HT. MIN.	36" O.C.	-	
	MISCANTHUS SINENSIS 'DIXIELAND' / DIXIELAND VARIEGATED MAIDEN GRASS	5 GAL. /18" HT. MIN.	24" O.C.	LARGE GRASS LARGE GRASS	5-9 5-9
—	MISCANTHUS SINENSIS 'MORNING LIGHT' / MORNING LIGHT MAIDEN GRASS	5 GAL. /18" HT. MIN.	36" O.C.	LARGE GRASS	5-9 5-9
<u> </u>	NEPETA X FAASSENII 'WALKER'S LOW' / WALKER'S LOW CATMINT	5 GAL. / 18 HT. MIN. 1 GAL. / 9" HT MIN.	18" O.C.	MED ACCENT	5-9 4-9
₩—	PARTHENOCISSUS TRICUSPIDATA 'VEITCHII' / BOSTON IVY	1 GAL. / 9" WD MIN.	10' O.C.	CLIMBING VINE	4-10
₩	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY' / LITTLE BUNNY FOUNTAIN GRASS	1 GAL. / 9" HT MIN.	12" O.C.	MED GRASS	4-9
(A)	PENNISETUM ALOPECUROIDES 'MOUDRY' / BLACK FOUNTAIN GRASS	1 GAL. / 9" HT MIN.	12 O.C. 24" O.C.	MED GRASS	4-9 4-9
⊕	SEDUM 'AUTUMN JOY' / AUTUMN JOY SEDUM	1 GAL. / 9" HT MIN.	24" O.C.	MED ACCENT	4- <i>9</i> 4-11



Shrub Planting Detail

(NOT TO SCALE)



1 GAL. OR 4" POTTED PLANT MATERIAL

2" LAYER MULCH
FEATHER AWAY
FROM TRUNK

MOUND SOIL TO FORM
BASIN 3" ABOVE GRADE.
PROVIDE 3" CLEARANCE
BETWEEN ROOT BALL AND
EDGE OF PLANTING PIT.

FERTILIZER TABLETS

USE KNIFE OR SHARP BLADE

QUANTITY PER
MANUFACTURER'S
RECOMMENDED
APPLICATION RATES

TO CUT THROUGH BOTTOM
HALF OF ROOT BALL.
BUTTERFLY ROOTBALL TO
BRING THE ROOT SYSTEM
CLOSER TO THE SURFACE.

50 NATIVE & 50
TOPSOIL MIX

12" GREATER
THAN ROOT
BALL WIDTH

— 2" LAYER MULCH,
FEATHER AWAY FROM TRUNK

— MOUND SOIL TO FORM
BASIN 6" ABOVE GRADE

— FERTILIZER TABLETS QUANTITY PE

FERTILIZER TABLETS QUANTITY PER
MANUFACTURER'S RECOMMENDED
APPLICATION RATES

CUT AND REMOVE BURLAP FROM
TOP 1/2 OF BALL. REMOVE ALL
TREATED OR NON BIO-DEGRADABLE

MATERIAL.

Conifer Tree Planting Detail

Tree w/ Root Barrier Planting Detail

(NOT TO SCALE)

1. PLANT TREE 1 INCH HIGHER THAN DEPTH GROWN IN NURSERY.

ROOTBALL ADJACENT TO CURBS AND PAVED SURFACES.

3. THERE SHALL BE A MINIMUM ROOTBALL DIAMETER OF 10 IN.

PER TRUNK CALIPER INCH AS MEASURED 6 IN. ABOVE ROOTBALL.

TREE PIT SHALL NOT BE LESS THAN (2) TIMES DIAMETER OF ROOTBALL

2. ROOTBARRIER SHALL BE 18 IN. DEEP AND 8 L.F. ON EACH SIDE OF

2X Min. Dia. Rootball

lanting Detail Groundcover Planting Detail

(NOT TO SCALE)

SELL PLACES

AZUIRE GF

AS INDICATED

3 NOV 2023 CITY REV-1

MFW

KBR

Sheet No.

L-2

of **2** Sheets

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