

PRELIMINARY PLANT SCHEDULE - OVERSTORY & UNDERSTORY TREES

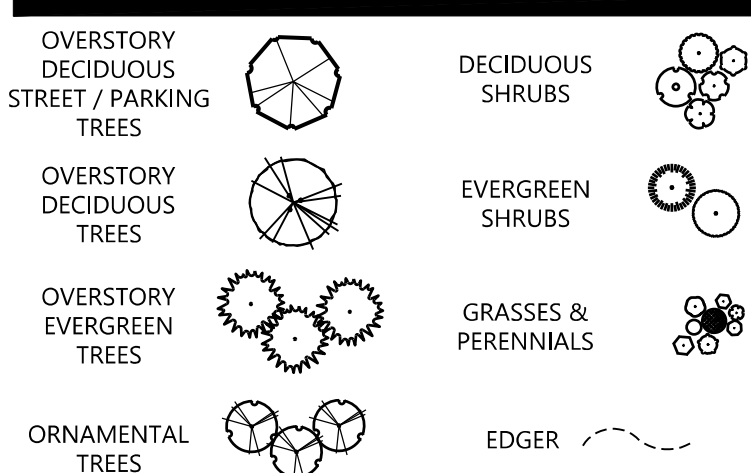
COMMON / BOTANICAL NAME	SIZE	ROOT	SPACING O.C.	MATURE SIZE
DECIDUOUS TREES				
AMERICAN SENTRY LINDEN / TILIA AMERICANA 'MCKSENTRY'	2.5" CAL	B&B	AS SHOWN	H 35'-40' W 15'-20'
BOULEVARD AMERICAN LINDEN / TILIA AMERICANA 'BOULEVARD'	2.5" CAL	B&B	AS SHOWN	H 50'-60' W 25'-30'
HACKBERRY / CELTIS OCCIDENTALIS	2.5" CAL	B&B	AS SHOWN	H 40'-60' W 40'
NORTHWOOD RED MAPLE / ACER RUBRUM 'NORTHWOOD'	2.5" CAL	B&B	AS SHOWN	H 40'-60' W 40'
PRINCETON ELM / ULMUS AMERICANA 'PRINCETON'	2.5" CAL	B&B	AS SHOWN	H 60' W 40'-50'
PRINCETON SENTRY GINKGO TREE / GINKGO BILOBA 'PNI 2720'	2.5" CAL	B&B	AS SHOWN	H 40'-50' W 15'-20'
SIENNA GLEN MAPLE / ACER X FREEMANNI 'SIENNA'	2.5" CAL	B&B	AS SHOWN	H 50'-60' W 40'
SKYLINE HONEY LOCUST / GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	2.5" CAL	B&B	AS SHOWN	H 50' W 30'-35'
STREET KEEPER HONEY LOCUST / GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	2.5" CAL	B&B	AS SHOWN	H 40'-50' W 15'-20'
ARMSTRONG GOLD MAPLE / ACER RUBRUM 'JFS-KW78'	2.5" CAL	B&B	AS SHOWN	H 40' W 12'
PRAIRIE SENTINEL HACKBERRY / CELTIS OCCIDENTALIS 'JFS-KSU1'	2.5" CAL	B&B	AS SHOWN	H 40' W 10'-12'
EVERGREEN TREES				
BLACK HILLS SPRUCE / PICEA GLAUCOA DENSATA	6" HT.	B&B	AS SHOWN	H 30'-40' W 20'-30'
CONCOLOR FIR / ABIES CONCOLOR	6" HT.	B&B	AS SHOWN	H 30'-50' W 25'-30'
NORWAY SPRUCE / PICEA ABIES	6" HT.	B&B	AS SHOWN	H 50'-70' W 25'-30'
PRAIRIE STATESMAN SWISS STONE PINE / PINUS CEMBRA 'HERMAN'	6" HT.	B&B	AS SHOWN	H 25'-30' W 10'-12'
WHITE PINE / PINUS STROBUS	6" HT.	B&B	AS SHOWN	H 50'-80' W 30'-40'
COLUMNAR WHITE PINE / PINUS STROBUS 'FASTIGIATA'	6" HT.	B&B	AS SHOWN	H 40' W 15'
ORNAMENTAL TREES				
AUTUMN BRILLIANCE SERVICEBERRY / AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	6" HT. - CLUMP	B&B	AS SHOWN	H 30'-40' W 15'-20'
KINDRED SPIRIT OAK / QUERCUS ROBUR X BICOLOR 'NADLER'	2.5" CAL	B&B	AS SHOWN	H 30' W 6'
PRAIRIFIRE CRABAPPLE / MALUS X 'PRAIRIFIRE'	1.5" CAL	B&B	AS SHOWN	H 15'-20' W 20'
QUAKING ASPEN / POPULUS TREMULOIDES	1.5" CAL	B&B	AS SHOWN	H 40'-60' W 20'-30'
SWEDISH COLUMNAR ASPEN / POPULUS TREMULA 'ERECTA'	1.5" CAL	B&B	AS SHOWN	H 40' W 10'

ABBREVIATIONS: B&B = BALLED AND BURLAPPED CAL = CALIPER HT. = HEIGHT MIN. = MINIMUM O.C. = ON CENTER SP. = SPREAD QTY. = QUANTITY CONT. = CONTAINER
NOTE: QUANTITIES ON PLAN SUPERSEDE LIST QUANTITIES IN THE EVENT OF A DISCREPANCY.

LANDSCAPE REQUIREMENTS & PROVISIONS

LANDSCAPING DESIGN REQUIREMENTS - CITY OF BLOOMINGTON, MINNESOTA				
SITE DESCRIPTION				
ZONING DISTRICT: PLANNED UNIT DEVELOPMENT (PROPOSED)				
TOTAL GROSS ACRES: 3.8 AC				
CANOPY/EVERGREEN TREE REQUIREMENT	REQUIRED	PROVIDED	NOTES	
1 CANOPY / EVERGREEN TREE PER 2,500 SF OF DEVELOPABLE LANDSCAPING AREA	165,852 s.f. / 2,500 s.f. = 66.23 TREES	67 OVERSTORY / EVERGREEN TREES	67 OVERSTORY TREES DECID. STREET / PARKING TREES 19 DECIDUOUS TREES 31 EVERGREEN TREES 17 ORNAMENTAL 13* (*NOT INCLUDED IN TOTAL NUMBER)	
* COMPLEMENT OF TREES - AT LEAST 25% DECIDUOUS AND AT LEAST 25% CONIFEROUS, NOT MORE THAN 30% OF THE REQUIRED NUMBER OF TREES SHALL BE COMPOSED OF A SINGLE SPECIES.			TREES REQUIRED ARE DISTRIBUTED OVER ENTIRE DEVELOPMENT.	
SHRUB REQUIREMENT (THE GREATER OF)	REQUIRED	PROVIDED	NOTES	
1 SHRUB PER 1,000 SF OF DEVELOPABLE LANDSCAPE AREA	165,852 s.f. / 1,000 s.f. = 165.58 SHRUBS	689 TOTAL SHRUBS DECIDUOUS SHRUBS 203 EVERGREEN SHRUBS 98 GRASSES/ PERENNIALS 1,550 (EQUALS 388 SHRUBS)	SHRUBS AND PERENNIAL BEDS TO BE LOCATED AROUND THE SITE FOUNDATION, PARKING ISLANDS, DOG PARK, AMENITY AREAS, AND OTHER ACCENT AREAS.	
*UP TO 50% OF SHRUBS REQUIRED MAY BE SUBSTITUTED WITH PERENNIALS AT A RATE OF 4 PERENNIALS = 1 SHRUB				

PLANT LEGEND



GROUNDCOVER LEGEND



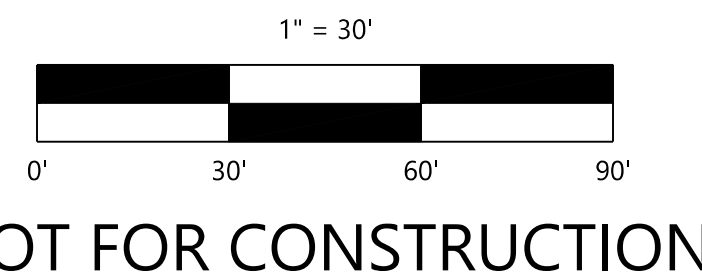
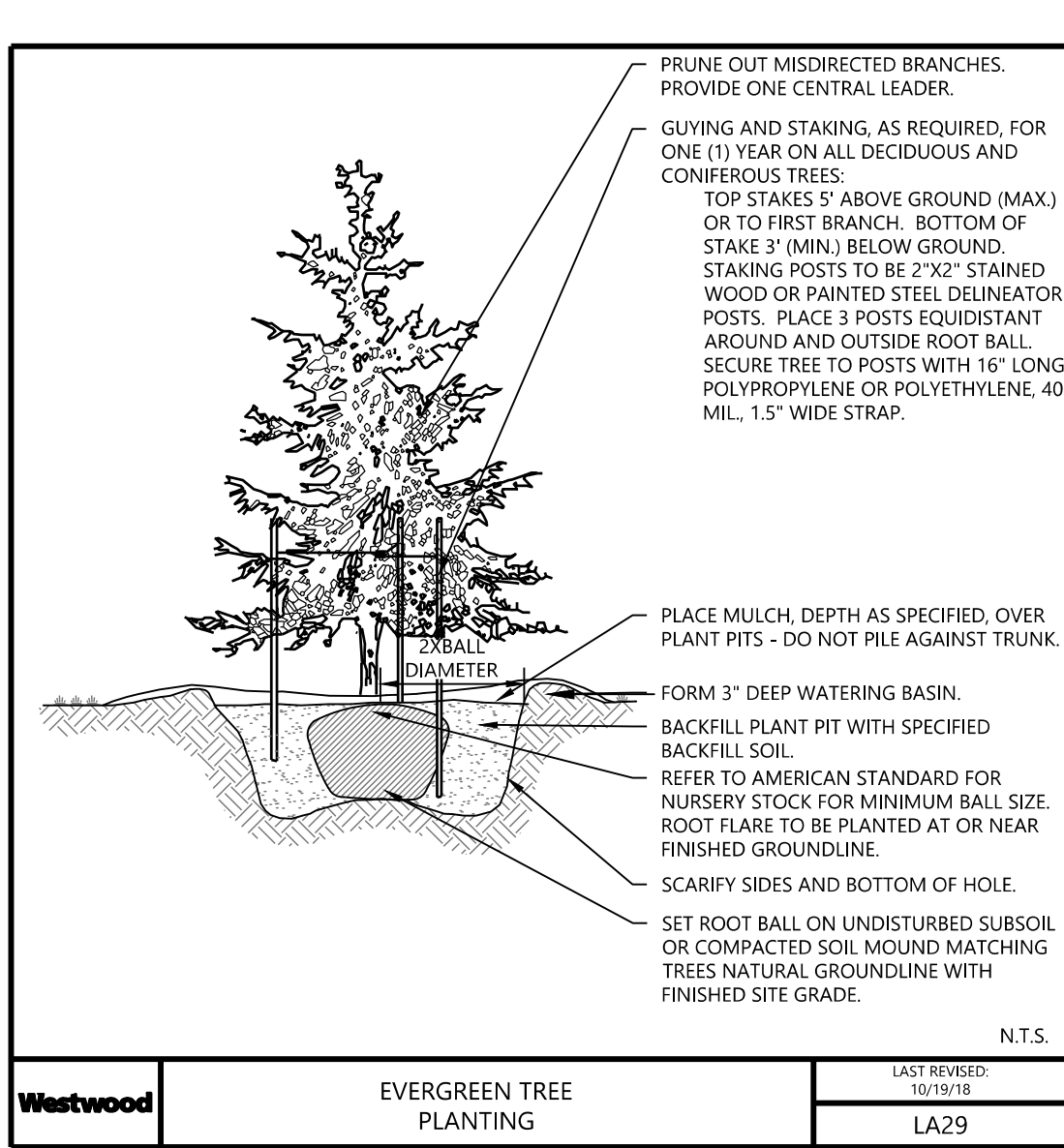
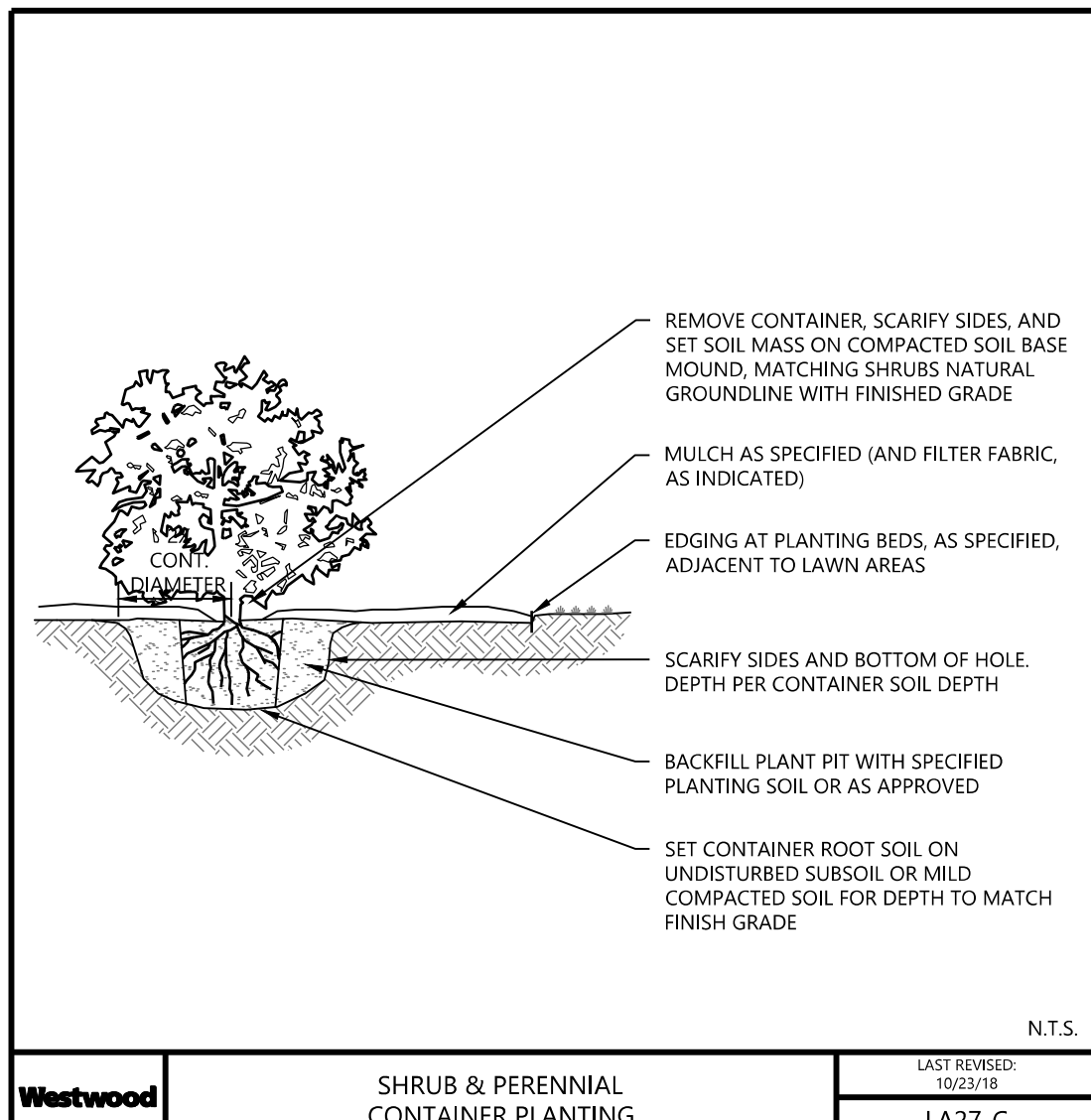
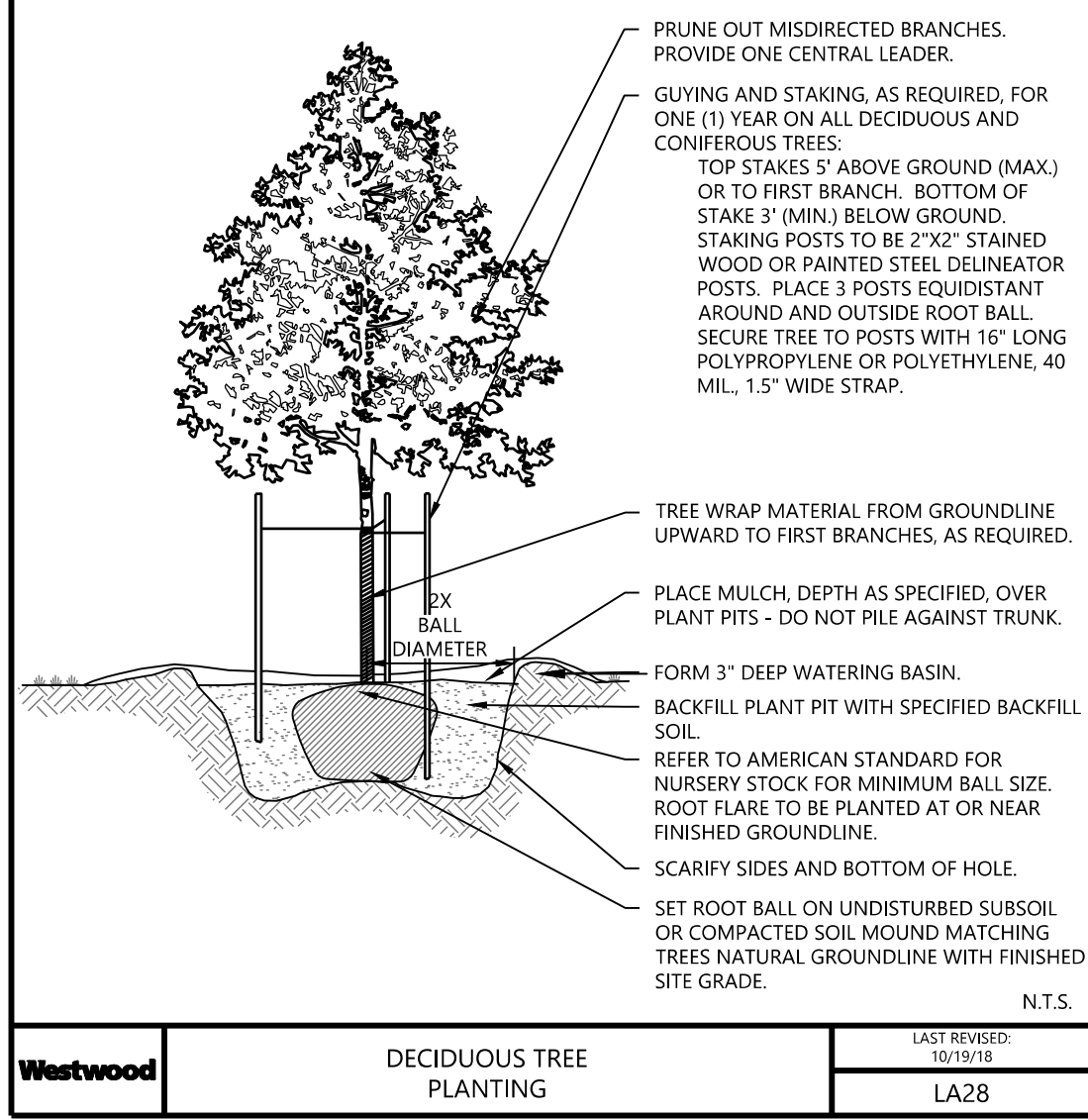
GENERAL NOTES

- TREE LOCATIONS AND SPACING ARE SUBJECT TO CHANGE BASED ON CONSTRUCTED PARKING LOT, SIDEWALK, AND UTILITY LOCATIONS.
- PARKING LOT TREES SHALL BE PLANTED 3.5' FROM BACK OF CURB IN A LOCATION THAT DOES NOT INTERFERE WITH CURBSTOPS OR INDIVIDUAL SEWER & WATER CONNECTIONS.
- STREET TREES SHALL BE PLANTED MIN 5' FROM BACK OF CURB OR SIDEWALK IN A LOCATION THAT DOES NOT INTERFERE WITH INDIVIDUAL SEWER, WATER CONNECTIONS, AND GAS MAINS.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- DECIDUOUS TREES SHOULD BE LOCATED A MINIMUM OF 3' OFF ANY UTILITY PIPE AND NO CONIFEROUS TREES SHOULD BE LOCATED A MINIMUM OF 15' OFF ANY UTILITY PIPE.
- NO TREE SHOULD BE LOCATED WITHIN 10' OF A HYDRANT OR 15' FROM A STREETLIGHT.
- NO DECIDUOUS TREE WITHIN 5' OF A SIDEWALK OR TRAIL, AND NO CONIFEROUS TREES WITHIN 15' OF A PROPOSED SIDEWALK OR TRAIL.
- ALL LANDSCAPED AREAS SHALL BE IRRIGATED WITH A DRIP LINE OR SPRAY SYSTEM AS APPROPRIATE FOR THE PROPOSED PLANTINGS IN THE SPECIFIC AREA.
- MECHANICALS TO BE SCREENED WITH ADEQUATE VEGETATION.
- IRRIGATION PLANS TO BE PROVIDED BY IRRIGATION CONTRACTOR. PLANS TO SUBMITTED FOR REVIEW AND APPROVAL WITH THE CITY OF EDEN PRAIRIE PRIOR TO INSTALLATION.

PLANTING NOTES

- CONTRACTOR SHALL CONTACT COMMON GROUND ALLIANCE AT 811 OR CALL 811.COM TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
- ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECTS OR OWNERS WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
- ALL PLANTS TO BE SPECIMEN GRADE, MINNESOTA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.
CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
- PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
- PLANTS TO BE INSTALLED AS PER MNIA & ANSI STANDARD PLANTING PRACTICES.
- PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
- PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
- OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
- PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
- WRAP ALL SMOOTH-BARKED TREES - FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
- STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
- THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
- BACKFILL SOIL AND TOPSOIL TO ADHERE TO MN/DOT STANDARD SPECIFICATION 3877 (SELECT TOPSOIL BORROW) AND TO BE EXISTING TOP SOIL FROM SITE. FREE ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 4" DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
- MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF SHREDDED HARDWOOD MULCH. SHREDDED HARDWOOD MULCH TO BE USED AROUND ALL PLANTS WITHIN TURF AREAS. PERENNIAL AND ORNAMENTAL GRASS BEDS SHALL HAVE 2" DEPTH SHREDDED HARDWOOD MULCH. MULCH TO BE FREE OF DELTERIOUS MATERIAL AND COLORED RED, OR APPROVED EQUAL. ROCK MULCH TO BE BUFF LESTONE, 1 1/2" TO 3" DIAMETER, AT MINIMUM 3" DEPTH, OR APPROVED EQUAL. ROCK MULCH TO BE ON COMMERCIAL GRADE FILTER FABRIC, BY TYPAR, OR APPROVED EQUAL WITH NO EXPOSURE. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION. MULCH TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
- EDGING TO BE COMMERCIAL GRADE VALLEY-VIEW BLACK DIAMOND (OR EQUAL) POLY EDGING OR SPADED EDGE, AS INDICATED. POLY EDGING SHALL BE PLACED WITH SMOOTH CURVES AND STAKED WITH METAL SPIKES NO GREATER THAN 4 FOOT ON CENTER WITH BASE OF TOP BEAD AT GRADE. FOR MOWERS TO CUT ABOVE WITHOUT DAMAGE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. INDIVIDUAL TREE, SHRUB, OR RAIN-GARDEN BEDS TO BE SPADED EDGE, UNLESS NOTED OTHERWISE. EDGING TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
- ALL DISTURBED AREAS TO BE SODDED OR SEEDED, UNLESS OTHERWISE NOTED. PARKING LOT ISLANDS TO BE SODDED WITH SHREDDED HARDWOOD MULCH AROUND ALL TREES AND SHRUBS. SOD TO BE STANDARD MINNESOTA GROWN AND HARDY BLUEGRASS MIX, FREE OF LAWN WEEDS. ALL TOPSOIL AREAS TO BE RAKED TO REMOVE DEBRIS AND ENSURE DRAINAGE. SLOPES OF 3:1 OR GREATER SHALL BE STAKED. SEED AS SPECIFIED AND PER MN/DOT SPECIFICATIONS. IF NOT INDICATED ON LANDSCAPE PLAN, SEE EROSION CONTROL PLAN.
- PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE. IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND HAVE SPRING STARTUP DURING FIRST YEAR OF OPERATION. SYSTEM SHALL HAVE ONE-YEAR WARRANTY ON ALL PARTS AND LABOR. ALL INFORMATION ABOUT INSTALLATION AND SCHEDULING CAN BE OBTAINED FROM THE GENERAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
- REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
- REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
- RAIN GARDEN NOTE: PROVIDE AND INSTALL EROSION CONTROL BLANKET AT RAIN GARDEN AREA SIDE SLOPES AFTER ALL PLANTING HAVE BEEN INSTALLED. BLANKET TO BE ONE SEASON GEOTEXTILE, MN/DOT CATEGORY 2 (STRAW 15, WOOD FIBER 15), OR APPROVED EQUAL. BLANKET TO BE OVERLAPPED BY 4" AND ANCHORED BY SOD STAPLES. PLACE BLANKET PERPENDICULAR TO THE SLOPE. TRENCH IN EDGES OF BLANKET AREA TO PREVENT UNDER MINING. PROVIDE SILT FENCE AT TOP OF SLOPE AS NEEDED. SHREDDED HARDWOOD MULCH TO MATCH OTHER PROJECT PLANTING MULCH. PLACE 4" DEPTH OF MULCH AT ALL PLANTING AND EROSION CONTROL BLANKET AREA (NO FILTER FABRIC). SEE RAIN GARDEN DETAIL FOR FURTHER INFORMATION. RAIN GARDEN TO PROVIDE PROPER INFILTRATION AND DRAINAGE REQUIREMENTS PER ENGINEERS APPROVAL.

PLANTING DETAILS



DESIGNED: SSA
CHECKED: SSA
DRAWN: ANNY
DIMENSIONAL SCALE: 3/8" = 1'-0"
VERTICAL SCALE: 6" = 1'-0"

INITIAL ISSUE: 11/13/2024
REVISIONS:
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1- I HEREBY CERTIFY THAT THE PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED LANDSCAPE ARCHITECT OF THE STATE OF MINNESOTA
NICHOLAS J. MEYER
DATE: 11/13/2024 LICENSE NO. 53774

PREPARED FOR:
ENCLOVE DEVELOPMENT
300 23RD AVE E. SUITE 300
FARGO, ND 58078

ENCLOVE BLOOMINGTON
DRURY
BLOOMINGTON, MN

12701 Whitewater Drive, Suite #300
Minneapolis, MN 55433
Phone: (612) 837-2169
Fax: (612) 837-2822
Email: info@westwoodps.com
Westwood Professional Services, Inc.

LANDSCAPE PLAN
L100
DATE: 11/13/2024
PROJECT NUMBER: 0057562.00