

PLANTING NOTES

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, WOOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
4. CONTRACTOR SHALL REPORT ANY SUCH DEFECTS IMMEDIATELY AFTER RECEIPT FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
5. IF AT LEAST ONE (1) YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS, REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
6. INsofar AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60.1 (REV. 2001) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
8. ALL PLANTS SHALL BE PLANTED IN UNDISTURBED TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES, PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
9. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL.
10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MOODY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH MILT-PRUF® OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
11. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
12. SET ALL PLANTS PLUMB AND STRAIGHT, SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
13. ALL NURSED ROOTS SHALL BE PROUD TO MEET CLEAN GRASS BEFORE PLANTING. UTILIZING CLAW, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (1/2 CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.
14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE, TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
15. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5-10-5) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY REMOVE TREES, AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL ENSURE NO COMPACTON OF THE ROOT MASS.
16. ALL PLANTING BEDS SHALL BE MULCHED WITH 4" DEEP LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
17. NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
18. PRIOR TO THE BEGINNING OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE PLANNING BOARD. THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS: THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVED BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

TYPE	DATES
PLANTS	3/15 TO 12/15
LAWN	3/15 TO 6/15
	9/15 TO 12/1

FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH DIGGING THESE TREES IN THIS SEASON:

ACER RUBRUM BETULA VARIETIES CARPINUS VARIETIES CRATAEGUS VARIETIES KOLCHITIA LIQUIDAMBAR STRYCEFLUA LIRIODENDRON TULIPIFERA PLATANUS ACEROLIA	POPULUS VARIETIES PRUNUS VARIETIES PRUNUS VARIETIES QUERCUS VARIETIES SALIX VARIETIES TELA TOMENTOSA ZELKOVA VARIETIES
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ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SOAKING FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY DURING THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROVED PLANTING SEASON.

19. ALL DISTURBED AREAS TO BE TREATED WITH TOPSOIL, SEED SOD STABILIZATION METHOD.

PLANTING SPECIFICATIONS

1. SCOPE OF WORK
A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
2. MATERIALS
A. GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (D.O.T.) MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) OR APPROVED EQUIV.
B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
C. TOPSOIL - LOAMY SILT, LOAMY SILT OR CLAY, CONTENT NOT LESS THAN 5%, pH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY MULD.
D. MULCH - FOUR (4") INCHES DOUBLE SHREDDED HARDWOOD BARK MULCH.
E. FERTILIZER AND SOIL CONDITIONER - PLANTED AREAS
F. ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMUM CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO "NITROHUMS".
G. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE ORGANIC DERIVED MATERIALS COMPOSED OF DECOMPOSED ANIMAL AND VEGETABLE WASTE AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POLYESTER OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1): NITROGEN 5%, PHOSPHATE 3%, POTASH 1%, 50% HUMUS AND 50% HUMIC ACIDS.
H. GENERAL WORK PROCEDURES
I. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. ALL PLANTING SHALL BE DONE IN A CLEAN STATE AT THE END OF EACH DAY'S WORK. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STORED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEEP CLEAN AT THE END OF EACH DAY'S WORK.
J. WEEDING
K. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
L. TOPSOILING
M. CONTRACTOR TO PROVIDE A 4" THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE A 4" UNSETTLED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
N. SOIL CONDITIONING
O. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:
100 POUNDS AGRI-CULTURAL CYSPHUM
20 POUNDS AGRI-POWER
20 POUNDS NITROGEN (COARSE) 38-0-0 BLUE CHIP
SOIL MODIFICATIONS
P. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED WOOD WASTE OR PEAT MOSS. ALL PROJECTS SHALL BE COMPLETED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A pH HIGHER THAN 7.5.
Q. MOIST HEAVY CLAY OR SILT MORE THAN 40% CLAY BY VOLUME) BY ADDING COMPOSTED SOIL BARK (UP TO 30% BY VOLUME) AND/OR CYSPHUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RIDGED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.
R. MOIST EXTREMELY SANDY SOILS (MORE THAN 80% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
S. PLANTING
T. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
U. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
1 PART PEAT MOSS BY VOLUME
1 PART COW MANURE BY VOLUME
3 PARTS TOPSOIL BY VOLUME
21 GRAM AGRIPOWER PLANTING TABLETS AS FOLLOWS:
1 TABLET PER 1 GAL. PLANT
2 TABLETS PER 1 GAL. PLANT
4 TABLETS PER 15 GAL. PLANT
LARGER PLANTS (2) TWO TABLETS PER 1/2" DIAM. OF TRUNK CALIPER
V. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACK FILL AND WATER THOROUGHLY.
W. ALL PLANTS SHALL BE SET SO THAT THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
X. PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH TREE.
Y. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
Z. PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MAX OF 7" BRANCHING HEIGHT.
3. GROUND COVER
A. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS BASED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
B. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
C. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
D. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.
4. FINISH GRADING
A. ALL GROUND COVER SHALL BE RECEIVED BY THE CONTRACTOR AT SUBSTANTIALLY PLUS/MINUS 1. FOOT OF FINISH GRADE.
B. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY.
C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
5. GUARANTEE
A. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM ACCEPTANCE OF JOB. OWNER TO SECURE A MAINTENANCE BOND FROM THE CONTRACTOR FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE COMMENCEMENT OF THE GUARANTEE PERIOD AND PROVIDES A FINAL INSPECTION BY THE OWNER OR OWNER'S REPRESENTATIVE.
6. CLEANUP
A. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
B. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WEEDINGS. SPRAY WITH WEEDING AGENT AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
C. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN FREE OF CRACKS OR BARE AREAS.
7. MAINTENANCE (ALTERNATE BID) COST PER MONTH AFTER 90-DAY MAINTENANCE PERIOD.

IRRIGATION NOTE:

CONTRACTOR TO PROVIDE AN IRRIGATION DESIGN FOR BOTH LAWN & BED AREAS. DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR TO VERIFY CONTRACTOR'S PRESSURE PRIOR TO DESIGN. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRESSURE REDUCING DEVICES REQUIRED TO MEET MINIMUM PRESSURE REQUIREMENT. SYSTEM DESIGN TO SHOW ALL VALVES, PIPING, HEADS, BACKFLOW PREVENTION, METERS, AND CONTROLLERS. ALL SLEEVES AND PAVEMENT AREAS MUST BE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFLOW PREVENTION DEVICE INSTALLATION AND PERMITTING.

VILLAGE OF SUFFERN LANDSCAPE NOTES NOTE:

- LANDSCAPING REQUIREMENTS
- A. PLANT MATERIALS SHALL BE NURSERY GROWN AND SELECTED ACCORDING TO HARDINESS AND ABILITY TO WITHSTAND HIGHWAY SALT CONDITIONS. (8228-24.A(1))
 - B. SPACES TO RECEIVE PLANT MATERIALS SHALL HAVE A MINIMUM INSIDE WIDTH OF SIX FEET, EXCEPT THAT WHERE VEHICLE OVERHANG IS PERMITTED, A TEN-FOOT INSIDE WIDTH SHALL BE REQUIRED. (8228-24.A(2))
 - C. LOOSE MATERIALS, SUCH AS WOOD MULCH AND STONE AGGREGATE, SHALL BE SPREAD WITHIN A LANDSCAPED SPACE AT A LEVEL NOT TO EXCEED ONE AND 1/2 INCHES BELOW TOP OF CURB. (8228-24.A(3))
 - D. AREAS THAT WILL RECEIVE CONTINUED PEDESTRIAN MOVEMENT SHALL BE PAVED. (8228-24.A(4))
 - E. LANDSCAPE PLANS SHALL BE DESIGNED BY A LICENSED LANDSCAPE ARCHITECT WHO SHALL CERTIFY AS TO PLANT HARDINESS AND SHALL PROVIDE AS-BUILT PLANS TO THE BUILDING INSPECTOR AND PLANNING BOARD OF THE COMPLETED PROJECT. THE APPLICANT'S LANDSCAPE ARCHITECT WHO PREPARED AND CERTIFIED THE LANDSCAPE PLAN APPROVED BY THE PLANNING BOARD SHALL SUPERVISE CONSTRUCTION AND INSTALLATION OF THE LANDSCAPE MATERIALS. BEFORE THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THERE SHALL BE FILED WITH THE BUILDING INSPECTOR AND THE PLANNING BOARD AN AFFIDAVIT FROM THE REGISTERED LANDSCAPE ARCHITECT STATING THAT THE DEFENDANT HAS EXAMINED THE APPROVED PLANS, THAT THE LANDSCAPING HAS BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS AND THAT THE LANDSCAPING COMPLIES WITH THESE REGULATIONS EXCEPT INsofar AS VARIATIONS THEREFROM HAVE BEEN LEGALLY AUTHORIZED. SUCH VARIATIONS AND THE REASONS THEREFOR SHALL BE SPECIFIED IN THE AFFIDAVIT. (8228-24.A(5))
 - F. THE MINIMUM LANDSCAPE REQUIREMENTS FOR ANY USE REQUIRING SITE PLAN APPROVAL ARE A GENERAL GUIDE ONLY AND MAY BE MODIFIED BY THE PLANNING BOARD WHERE, DUE TO SPECIAL CHARACTERISTICS OF THE PROJECT SITE, THE PROPOSED USE, SURROUNDING AREA OR BUILDINGS AND STRUCTURES, SUCH CHANGES ARE NECESSARY TO ENSURE COMPATIBILITY AND CONFORMANCE WITH OTHER STANDARDS OR CRITERIA OF THESE REGULATIONS. (8228-24.A(6))
 - G. TRAFFIC MOVEMENT, IN AREAS WHERE LANDSCAPE MATERIALS ARE USED TO DEFINE PATHS OF TRAFFIC MOVEMENT, THE FOLLOWING GUIDELINES SHALL BE USED:
 - a. PLANT MATERIALS SHALL CONSIST OF UPRIGHT JUNIPER OR YEW, BARBERRY, FIRETHORN, EVERGREEN EUONYMUS OR EQUIVALENT APPROVED BY THE PLANNING BOARD. (8228-24.B(1))
 - b. PLANTS SHALL BE SELECTED TO ACHIEVE NOT MORE THAN THREE FEET MATURE HEIGHT. PLANTING HEIGHT SHALL BE 18 TO 24 INCHES. (8228-24.B(2))
 - c. PLANTS SHALL BE SPACED TO CREATE A COMPACT HEDGE BORDER AT TIME OF PLANTING. (8228-24.B(3))
 - d. AS AN ALTERNATE, STREET TREES MAY BE USED. TREES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT. HAVE A CALIPER OF 3 1/2 TO FOUR INCHES AND BE SPACED 20 FEET ON CENTER. STREET TREES SHALL CONSIST OF SUGAR MAPLE, NORWAY MAPLE, RED OAK, LITTLE LEAF LINDEN, GREEN ASH, LONDON PLANE OR EQUIVALENT APPROVED BY THE PLANNING BOARD. (8228-24.B(4))
 - e. PLANTING BEDS SHALL BE COVERED WITH THE FOLLOWING MATERIAL:
 - i. LORICIDE MULCH OR APPROVED EQUIVALENT AT FOUR INCHES MINIMUM DEPTH. (8228-24.B(5)(i))
 - ii. STONE AGGREGATE AT THREE INCHES MINIMUM DEPTH, MINIMUM ONE-INCH STONE. (8228-24.B(5)(ii))
 - iii. WHERE PEDESTRIAN CROSS TRAFFIC IS EXISTENT, A PAVING MATERIAL SHALL BE USED, SUCH AS PAVING BLOCKS SET IN SAND WITH TIGHT JOINTS OR EPOXY-RESIN OR EQUIVALENT. (8228-24.B(5)(iii))
 - f. PARKING AREAS, IN AREAS WHERE LANDSCAPE MATERIALS ARE USED TO COMPLEMENT PARKING AREAS, THE FOLLOWING GUIDELINES SHALL BE USED:
 - i. FORTY-FOOT PLANTING ISLANDS AT THE END OF OR WITHIN PARKING BAYS SHALL CONTAIN THE FOLLOWING MATERIALS: (8228-24.C(1))
 - a. HONEY LOCUST, WITH A CALIPER OF 3 1/2 TO FOUR INCHES PLANTED 20 FEET ON CENTER. (8228-24.C(1)(a))
 - b. OTHER COLUMNAR VARIETIES MAY BE SUBSTITUTED UPON PLANNING BOARD APPROVAL. (8228-24.C(1)(b))
 - c. TREES WITH LOW-GROWING BRANCHES, GUM OR MOISTURE, SEEDS OR PODS SHALL BE AVOIDED. (8228-24.C(1)(c))
 - d. BRANCHING OF TREES SHALL BEGIN AT A HEIGHT NOT LESS THAN SIX FEET AND NO GREATER THAN 12 FEET. (8228-24.C(1)(d))
 - e. AREAS UNDER SHADE TREES SHALL BE PLANTED WITH HORIZONTAL JUNIPER OR OTHER ORNAMENTAL EVERGREENS OF COMPARABLE GROWTH HABIT. PLANT MATERIAL SHALL HAVE AN EIGHTEEN-TO-TWENTY-FOUR-INCH SPREAD AND SHALL BE SPACED 18 INCHES ON CENTER. (8228-24.C(2))
 - f. PLANTING BEDS SHALL BE COVERED AS IN 8 228-24.B(5) OF THESE REGULATIONS. (8228-24.C(3))
 - g. PLANTING BEDS SHALL BE COVERED WITH THE FOLLOWING MATERIAL:
 - i. LORICIDE MULCH OR APPROVED EQUIVALENT AT FOUR INCHES MINIMUM DEPTH. (8228-24.C(4)(i))
 - ii. STONE AGGREGATE AT THREE INCHES MINIMUM DEPTH, MINIMUM ONE-INCH STONE. (8228-24.C(4)(ii))
 - iii. WHERE PEDESTRIAN CROSS TRAFFIC IS EXISTENT, A PAVING MATERIAL SHALL BE USED, SUCH AS PAVING BLOCKS SET IN SAND WITH TIGHT JOINTS OR EPOXY-RESIN OR EQUIVALENT. (8228-24.C(4)(iii))
 - h. OTHER VARIETIES APPROVED BY THE PLANNING BOARD.
 - H. PEDESTRIAN AREAS, WHERE LANDSCAPE MATERIALS ARE USED TO COMPLEMENT AREAS INTENDED FOR PEDESTRIAN ACTIVITY, THE FOLLOWING GUIDELINES SHALL BE USED:
 - i. PEDESTRIAN AREAS SHALL BE PAVED WITH CONCRETE OR PAVING BLOCK. AREAS TO BE PAVED SHALL BE TAMPED OR UNDERLAIN WITH GRAVEL. (8228-24.D(1))
 - ii. IN ORDER TO MINIMIZE LARGE AREAS OF PAVING, LANDSCAPE FEATURES, SUCH AS TWO-TO-THREE-FOOT EARTH MOUNDS AND PLANTERS, SHALL BE USED. (8228-24.D(2))
 - c. PLANT MATERIALS SHALL CONSIST OF A VARIETY OF EVERGREEN AND DECIDUOUS SHRUBS AND TREES SELECTED FROM THE FOLLOWING: (8228-24.E(1))
 1. SPREADING YEW.
 2. BOWWOOD.
 3. LAUREL.
 4. EUONYMUS.
 5. AZALES.
 6. JUNIPER.
 7. JAPANESE ANDROMEDA.
 8. WHITE PINE.
 9. MUGO PINE.
 10. RHODODENDRON.
 11. OTHER VARIETIES APPROVED BY THE PLANNING BOARD.
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 8. WHITE PINE.
 9. MUGO PINE.
 10. RHODODENDRON.
 11. OTHER VARIETIES APPROVED BY THE PLANNING BOARD.
 - K. PLANTING BEDS SHALL BE COVERED WITH A LORICIDE MULCH OR APPROVED EQUIVALENT AT FOUR INCHES MINIMUM DEPTH.

ERNST CONSERVATION SEEDS

NATIVE UPLAND WILDLIFE FORAGE & COVER MEADOW MIX (ERNMX-123):

BOTANICAL NAME	COMMON NAME
34.9% ANDROPOGON GERARDII 'NAGARA'	NAGARA BIG BLUESTEM
27.0% PANICUM VIRGATUM 'SHAWNEE'	SHAWNEE SWITCHGRASS
21.0% ELYMUS VIRGINICUS	VIRGINIA WILDRYE
5.0% SORGHASTRUM NUTANS 'SOUTHLON'	SOUTHLON INDIANGRASS
3.0% RUDEBECKIA HIRTIA	BLACKEYED SUSAN
3.0% CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
1.5% HELIOPSIS HELIANTHOIDES	OYEYE SUNFLOWER
1.0% COREOPSIS TINCTORIA	PLAINS COREOPSIS
0.4% DESMODIUM CANADENSE	SHOWY TICKTREFLOE
0.1% ASCLEPIAS SYRIACA	COMMON MILKWEEED
0.1% MONARDA FISTULOSA	WILD BERGAMOT
TOOK	

SEEDING RATE: 20 LB PER ACRE WITH 30 LB PER ACRE OF COVER CROP. FOR A COVER CROP USE EITHER GRAM OATS (1 JAN TO 31 JUL) OR GRASS RYE (1 AUG TO 31 DEC). NOTE: USE ERNMX-123 SEED MIX OR APPROVED EQUIV.

EASTERN NATIVE HABITAT & CREP MIX (ERNMX-173):

BOTANICAL NAME	COMMON NAME
40.0% ANDROPOGON GERARDII 'NAGARA'	NAGARA BIG BLUESTEM
26.8% ELYMUS VIRGINICUS	VIRGINIA WILDRYE
27.0% PANICUM VIRGATUM 'SHAWNEE'	SHAWNEE SWITCHGRASS
6.0% CHAMAECRISTA FASCICULATA	PARTRIDGE PEA
5.0% SORGHASTRUM NUTANS	INDIANGRASS
3.0% ENCHIRACHIA PURPUREA	PURPLE CONEFLOWER
3.0% RUDEBECKIA HIRTIA	BLACKEYED SUSAN
1.0% HELIOPSIS HELIANTHOIDES	OYEYE SUNFLOWER
0.1% ASCLEPIAS SYRIACA	COMMON MILKWEEED
0.1% MONARDA FISTULOSA	WILD BERGAMOT
TOOK	

SEEDING RATE: 20 LB PER ACRE WITH 30 LB PER ACRE OF COVER CROP. FOR A COVER CROP USE EITHER GRAM OATS (1 JAN TO 31 JUL) OR GRASS RYE (1 AUG TO 31 DEC). NOTE: USE ERNMX-123 SEED MIX OR APPROVED EQUIV.

NATIVE DETENTION AREA MIX (ERNMX-183):

BOTANICAL NAME	COMMON NAME
25% PANICUM GLAUCOSTEMUM 'TIGRA'	TIGRA DEERTONGUE
25% PANICUM VIRGATUM 'CARTHAGE'	CARTHAGE SWITCHGRASS
22% CAREX VULPINOIDE	FOX SEDGE
22% AELMIUS VIRGINICA	VIRGINIA WILDRYE
3% JUNCUS EFFUSUS	SOFT RUSH
1% JUNCUS TENUIS	PATH RUSH
1% PANICUM RIGIDULUM	REEDTOP PANICGRASS
TOOK	

SEEDING RATE: 20 LB PER ACRE, OR 1.5 LB PER 1,000 SQ. FT. SEED MIX BY ERNST SEEDS ERNMX-183 OR APPROVED EQUIV.

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

