LANDSCAPE SPECIFICATIONS 1.) NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT. REMOVE ALL NON-BIODEGRADABLE MATERIAL AND ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL 9.3. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, 3.) PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY AREA OF SITE SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED. 4.) THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL CONSTRUCTION THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION 9.4. ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING TIMES DURING THE FIRST MONTH PERMANENT SEEDING OR SODDING. PLANTING AND MULCHING INCLUDING ALL LABOR. MATERIALS. TOOLS AND EQUIPMENT AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS. NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR. PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE 5.) THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING MATERIALS TREE PROTECTION FENCE SHALL BE OF SOIL LAYERS AS 9.5. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE INSTALLED TO FOLLOW TREE CANOPY NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT DRIP I INF OR PROPOSED LIMITS OF LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS. MAKING NECESSARY ADJUSTMENTS AS DIRECTED SOIL INTO THE SUBSOIL OF TRANSPORTATION'S SPECIFICATIONS. 6.) REFER TO THE CHART "GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR DISTURBANCE. 9.6. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE. AS SHOWN ON THE APPROVED 2.2. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN VARIOUS SOIL CONDITIONS" TO DETERMINE MINIMUM WIDTH OF PREPARED SOIL. AVOID PURCHASING TREES WITH TWO LANDSCAPE PLAN. MUST BE INSTALLED. INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY -4' HIGH WOOD & WIRE SNOW FENCE 7.) SUBSTITUTE ARBORVITAE STAKING SYSTEM WHEN SPECIFIED. LEADERS OR REMOVE ONE AT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, W/WOOD STAKES AT A MAXIMUM OF 8' PLANTING: OTHERWISE, DO NOT PRUNE VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS: ON CENTER. AS AN OPTION. TRFF AT PI ANTING EXCEPT FOR LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE REINFORCED RUBBER HOSE (1/2" DIA. PLANTS: MARCH 15 TO DECEMBER 15 ORANGE/FLOURESCENT HIGH-DENSITY SPECIFIC STRUCTURAL CORRECTIONS LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS "VISI-FENCE" OR APPROVED EQUAL CAN INDICATED ON THE LANDSCAPE PLAN LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1 BE USED. SET ROOT BALL FLUSH TO GRADE OF LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED. PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE FOLD BURLAP AWAY FROM TOP OF -SEVERAL INCHES HIGHER IN POORLY -WOOD & WIRE SNOW FENCE USED AS SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL 2.3.2. SOD SHALL BE STRONGLY ROOTED. WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON DRAINING SOILS. TREE GUARD TO PREVENT DAMAGE FROM 12 GAUGE GALVANIZED WIRE GUYS -SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE. CONSTRUCTION EQUIPMENT. 9.7. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT - 4" BUILT-UP EARTH SAUCER 2.4. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT 2" DIA. HARDWOOD STAKES 2/3 -UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS. RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON: TREE DRIP LINE/TREE PROTECTION ZONE 3" DOUBLE SHREDDED HARDWOOD TREE HT. 3 PER TREE 2.5. FERTILIZER BARK MULCH (UNLESS OTHERWISE -AREA WITHIN TREE PROTECTION ZONE TO PLATANUS X ACERIFOLIA ACER RUBRUM SPECIFIED) (DO NOT PLACE MULCH IN REMAIN UNDISTURBED DURING TWICE THE WIDTH OF ROOTBALL FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS BETULA VARIETIES **POPULUS VARIETIES** CONTACT WITH TREE TRUNK) CONSTRUCTION. SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE FOR PREPARED SOIL FOR TREES. PRUNUS VARIETIES CARPINUS VARIETIES SO THAT IT CAN BE KEPT DRY PRIOR TO USE. CRATAFGUS VARIFTIES PYRUS VARIFTIES LANDSCAPE FABRIC AS SPECIFIED -6' WOOD OR STEEL FENCE POSTS AT 8' PREPARED SOIL FOR TREES FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% KOELREUTERIA QUERCUS VARIETIES MAXIMUM CENTER TO CENTER (MINIMUM 2' 1 PART PEAT MOSS POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED LIQUIDAMBAR STYRACIFLUA TILIA TOMENTOSA BELOW GRADE). 1 PART COW MANURE LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES 3 PARTS TOPSOIL-9.8. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL (RECOMMENDATION ONLY. SEE SOIL MOD. **ELEVATION** REVISIONS SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED CHART) ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY SOIL MIXED THOROUGHLY: STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION UNDISTURBED SUBGRADE -REV DATE COMMENT (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN). ALL PLANTING CONTAINERS, 1 PART PEAT MOSS IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL DIG WIDE, SHALLOW HOLE -9.8.2. 1 PART COMPOSTED COW MANURE BY VOLUME NON-BIODEGRADABLE MATERIALS WITH TAMPED SIDES PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT SHALL BE REMOVED FROM ROOT 3 PARTS TOPSOIL BY VOLUME OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS: TAMP SOIL SOLIDLY AROUND -TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 11/4", WHICH HAVE 2 TABLETS PER 1 GALLON PLANT BASE OF ROOT BALL SET ROOT BALL ON NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY 9.8.4.2. 3 TABLETS PER 5 GALLON PLANT UNDISTURBED SOIL IN BOTTOM TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. 9843 4 TABLETS PER 15 GALLON PLANT OF HOLE 2.6.5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL LARGER PLANTS: 2 TABLETS PER 1/2" CALIPER OF TRUNK 9.8.4.4. DEVELOPED BRANCHES. DENSELY FOLIATED. VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS. 9.9. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER TREE PROTECTION DURING SITE EGGS OR LARVAE THOROUGHLY. TREE PLANTING DETAIL CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") CONSTRUCTION 9.10. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX N.T.S. AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL. INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE 9.11. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A FOR CONTAINER-GROWN SHRUBS, PLANT SHALL BE PLANT SHALL BE PLANTED SO THAT-MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH. TRANSPI ANTED AT THE SAME GRADE AS IN THE . ANY TREE INSTALLED WITHIN 10 FT. OF NEW CONCRETE HE POINT AT WHICH THE ROOT FLARE CONTAINER. REMOVE THE CONTAINER. USE SIDEWALKS SHOULD BE INSTALLED WITH BIOBARRIER ROOT 9.12. GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO SEE DECIDUOUS OR EVERGREEN TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL BEGINS IS SET LEVEL WITH GRADE. FINGER OR SMALL HAND TOOLS TO PULL THE BARRIER FABRIC AS SHOWN PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER TREE DETAIL FOR PLANTING CUT AND REMOVE BURLAP FROM TOP ROOTS OUT OF THE OUTER LAYER OF POTTING GENERAL WORK PROCEDURES . TREES SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION. PURPOSES ONE-THIRD OF ROOT BALL AS SHOWN. SOIL: THEN CUT OR PULL APART ANY ROOTS THA APPROPRIATE PLANTING DETAIL CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE 9.13. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING CIRCLE THE PERIMETER OF THE CONTAINER. IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY PLANTING MIX:-STRUCTURES AND SIDEWALKS. CONC. SIDEWALK -3" DOUBLE-SHREDDED HARDWOOD BARK MULCH 1 PART PEAT MOSS 9.14. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR (DO NOT PUT MULCH AGAINST THE BASE OF THE 1 PART COW MANURE WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB. 3 PARTS TOPSOIL BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE. (SEE SOIL MODIFICATION CHART) -LANDSCAPE FABRIC AS SPECIFIED 9.15. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING **BIOBARRIER ROOT-**FINISHED GRADE SPECIFICATIONS AS LISTED HEREIN. BARRIER FABRIC OR **Call** before you dig -PLACE SHRUB ON FIRM SOIL IN BOTTOM OF HOLE. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE APPROVED EQUAL -UNDISTURBED SUBGRADE 10. TRANSPLANTING (WHEN REQUIRED) ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN. **ALWAYS CALL 811** BEFORE PLANTING, ADD 3" TO 4" OF-10.1. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT. IOBARRIER ROOT BARRIER -PREPARED SOIL FOR TREES ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY WELL-COMPOSTED LEAVES AND It's fast. It's free. It's the law. FABRIC TO BE INSTALLED (SEE PLANTING DETAIL) 10.2. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND RECYCLED YARD WASTE TO BED AND TO THE DEPTH OF THI WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND. STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND TILL INTO TOP 6" OF PREPARED SOIL -UNDISTURBED SUBGRADE BOTTOM OF STONE BASE THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR 24" MINIMUM SOIL SURFACE ROUGHENED-10.3. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30. -WHEN APPROPRIATE, PLANT MULTIPLE COURSE OR 10" BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY TO BIND WITH NEW SOIL. SHRUBS IN CONTINUOUS PLANTING HOLE. WHICHEVER IS GREATER CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE. 10.4. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE. PERMIT SET CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO 10.5. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE 10.6. F TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER SHRUB PLANTING DETAIL **BIOBARRIER ROOT BARRIER DETAIL** BEGINNING OF WORK THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENC THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE VIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUC N.T.S. REPLACEMENT GUIDELINES. DOCUMENT UNLESS INDICATED OTHERWISE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE PROJECT No. -SET ROOT BALL FLUSH TO SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE. WHICHEVER IS GREATER. 11.1. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING, WATER DRAWN BY: GRADE OR SEVERAL INCHES LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED. SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT AL CHECKED BY HIGHER IN POORLY DRAINING A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE'. OR APPROVED MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE INCORPORATE 2" OF PEAT -\$9961LT-UP EARTH SAUCER INTO 6" OF PLANTING EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS CAD I.D. W201119-LAND MIXTURE, AS SPECIFIED SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL 11.2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE. -SET ROOT BALL ON FIRM CUT BACK SLOPE TO-WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PROJECT: PROVIDE A FLAT SURFACE 1" DOUBLE SHREDDED-DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE FOR PLANTING PROPOSED HARDWOOD BARK MULCH TOP SOIL FILL (COMPACTED) SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY GRADE FOR PLANTING AREA 11.3. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT (SLOPE NOT TO EXCEED 2:1) PROPOSED SITE HAS BEEN COMPLETED NOT TO EXCEED 2:1 ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED EDGING-5.4. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH. **PLAN DOCUMENTS** UNDISTURBED SUBGRADE (AS SPECIFIED) THE TREE PROTECTION ZONE. 12. GUARANTEE FINISHED GRADE-DIG WIDE, SHALLOW 4"-6" DEEPER THAN ROOT BALL SOIL MODIFICATIONS 12.1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE HOLE WITH TAMPED CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY TAMP SOIL SOLIDLY— GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED AROUND BASE OF ROOT 6.2. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH EQUAL EQUAL EQUAL EQUAL EQUAL REPRESENTATIVE OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE 12.2. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF CONTRACTOR DEPENDING ON SITE CONDITIONS REFER TO TREE PLANTING DETAIL FOR GENERAL PLANTING LAND VENTURES PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF SPECIFICATIONS 6.3. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OFF-SITE, WITHOUT EXCEPTION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED 12.3. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS PROPOSED **GROUNDCOVER PLANTING** TREE PLANTING DETAIL - ON SLOPE TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. THOROUGHLY TILL ORGANIC MATTER INTO THE SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE **DEVELOPMENT** N.T.S. TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH LOT #18 SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF HIGHER THAN 7.5 18" STAKE INTO UNDISTURBED-ERODED OR BARE AREAS. SCHOOL STREET TO INCREASE DRAINAGE. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE GROUND EVERY 30" O.C. LAP TOWN OF MANCHESTER-BY-THE-SEA BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO 13. CLEANUP JOINTS AS PER MANUFACTURERS 1. PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE RECOMMENDATION **ESSEX COUNTY.** DEBRIS LARGER THAN 2" DIAMETER. 13.1. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL ADDED TO INCREASE DRAINAGE **MASSACHUSETTS** REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED. 2. PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM 13.2. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR INSTRUCTIONS. UP TO 30% OF THE TOTAL MIX. 3/16" x 4" BLACK AUTHORIZED REPRESENTATIVE. ALUMINUM EDGING 3. SEEDING RATES: 14. MAINTENANCE (ALTERNATIVE BID): PERENNIAL RYEGRASS 1/2 LB/1000 SQ FT UNLESS OTHERWISE CONTRACTED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF LAWN OR GRAVEL AREA-14.1. A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY 1 LB/1000 SQ FT AS SPECIFIED KENTUCKY BLUEGRASS TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE. MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN RED FESCUE 1/2 LB/1000 SQ FT 352 TURNPIKE ROAD 7.2. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS SPREADING FESCUE 1/2 LB/1000 SQ FT SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1"±). EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY FERTILIZER (16.32.16) 2 LB/1000 SQ FT **SOUTHBOROUGH, MA 01772** MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED LIQUID LIME 1 GAL/800 GAL. Phone: (508) 480-9900 7.3. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MANICURED TO THE APPROVAL OF THE TANK TACKIFIER 35 LB/800 GAL SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT TANK FIBER MULCH 30 LB/1000 SQ FT www.BohlerEngineering.com ENGINEER OR LANDSCAPE ARCHITECT -PREPARED 4. GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE UNDISTURBED SUBGRADE-IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS. M.J. MRVA CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO **HYDROSEED SPECIFICATIONS BLACK ALUMINUM EDGING** ACHIEVE THE DESIRED COMPACTED THICKNESS. 8.2. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION. REGISTERED LANDSCAPE ARCHITECT TREE TRUNK MASSACHUSETTS No. 1217 CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE "NEW ENGLAND SHOWY WILDFLOWER APPLICATION RATE: 23 lbs/acre | 1900 sq ft/lb SPECIFIED ARBORTIE GREEN (OR WHITE) THIS FND WRAPPED RHODE ISLAND No. 419 UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS SEED MIX" AS PREPARED BY: STAKING AND GUYING MATERIAL IS TO BE AROUND TREE AFTER AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE. SPECIES Little Bluestem (Schizachvrium scoparium), Red Fescue (Festuca rubra), Indian FLAT WOVEN POLYPROPYLENE MATERIAL. KNOT IS TIGHTENED , NEW HAMPSHIRE No. 109 NEW ENGLAND WETLAND PLANTS. INC Grass (Sorghastrum nutans), Partridge Pea (Chamaecrista fasciculata), Canada Wild Rye 3/4" WIDE, 900 LB. BREAK STRENGTH. 'CONNECTICUT No. 1359 ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND 820 WEST STREET, AMHERST, MA 01002 (Elymus canadensis), Riverbank Wild Rye (Elymus riparius), Butterfly Milkweed (Asclepias ARBORTIE SHALL BE FASTENED TO MAINE No.4248 CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE tuberosa), Black Eyed Susan (Rudbeckia hirta), Lance Leaved Coreopsis (Coreopsis PHONE: 413-548-8000 STAKES IN A MANNER WHICH PERMITS FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE EMAIL: INFO@NEWP.COM lanceolata), Ox Eye Sunflower (Heliopsis helianthoides), Common Sneezeweed (Helenium SHEET TITLE: TREE MOVEMENT AND SUPPORTS THE THIS FND TREE." FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6.A.]): WEBSITE: WWW.NEWP.COM autumnale). Marsh Blazing Star (Liatris spicata), Blue Vervain (Verbena hastata), New TO STAKE England Aster (Aster novae-angliae), Wild Blue False Indigo (Baptisia australis), 8.4.1. 20 POUNDS 'GRO-POWER' OR APPROVED SOIL CONDITIONER/FERTILIZER THIS END **LANDSCAPE** HollowStem Joe Pye Weed (Eupatorium fistulosum/ Eutrochium fistulosum), Early MIN OF THREE (3) THIS END TO STAKE 8.4.2. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER STAKES TO EACH Goldenrod (Solidago juncea). TO STAKE THIS END GUYING NOTES & 8.5. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS. INSTALLATION TO STAKE **PLANTING DETAILS** THIS END STEP 2: STFP 4 STFP 5 INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS FOLLOW MOTION OF ARBORTIE SLIDE KNOT JUST COMPLETED TIE A SIMPLE KNOT 18-24" THE ARBORKNOT PROVIDES WRAP THIS END AROUND TO STAKE NOT POSSIBLE LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN. AS SHOWN, FINISHING THE KNOT FROM EITHER END OF THE TREE BEGIN A NEW KNO UP TO THE KNOT TIED IN STEP 1. SECURE, GIRDLE FREE UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD BY PULLING TIGHTLY ON POINTS FASTEN FREE END TO STAKE OR ATTACHMENT OF THE ARBORTIE BELOW THE KNOT THAT OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE. A AND B AT THE SAME TIME. (DEPENDING ON THE WAS TIED IN STEP 1. ANCHOR. ARBORTIE TO TREE DIAMETER OF THE TREE) PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL _-300 CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. **NEW ENGLAND SHOWY WILDFLOWER SEED MIX** ARBORTIE STAKING DETAIL **SPECIFICATIONS** ORG. DATE - 05/27/2020