LANDSCAPENS

THIS SPECIFICATION COVERS THE REQUIREMENTS FOR THE INSTALLATION FLOWERS, PLANTS, TREES, SHRUBS, EVERGREENS AS PART OF THE

I. GENERAL

- THE NUMBER, TYPE AND LOCATION OF PLANTINGS SHALL BE AS SHOWN ON THE JOB OR DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL GIVE HIS PERSONAL ATTENTION TO THE FATHFUL CARRYING OUT THE WORK, COMPETENT AND SKILLFUL MEN SHALL BE EMPLOYED IO EXECULE THE WORK WHICH SHALL BE SUPERVISED BY AN EXPERIENCED ARBORIST FOREMAN AT ALL TIMES.
- THE CONTRACTOR SHALL HAVE AVAILABLE AND IN GOOD CONDITION OF EQUIPMENT NECESSARY FOR THE SAFE TRANSPORTING OF PLANTINGS THE SITE AND FOR SETTING PLANTINGS IN FINAL POSITION.
- CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ALL AREAS OUTSIDE OF THE WORK AREAS AND ANY DAMAGE THERETO SHALL SE IMMEDIATELY REPAIRED AND RESTORED TO THE ORIGINAL CONDITION.
- WHEN THE WORK IS COMPLETED. THE CONTRACTOR SHALL RESTORE THE WHEN THE WORK S COMMEDIED, THE CONTRACTOR SHALL RESIDENCE THE SURFACE OF OWNER'S PROPERTY AND/OR ANY OTHER VAND USED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION, ALL DEBRIS, EXCESS EXCANATED MATERIAL, AND ALL OTHER MATERIAL WHICH COLLECTS AS A RESULT OF THE CONTRACTOR'S OPERATION, SHALL BE REMOVED IMMEDIATELY.
- ALL BRICKS MOPTAR, DECORATIVE STONE, CONGRETE, STONE, SAND GRAVEL, MODULAR BRICK FORMS, MULCH OF ALL TYPES, PLLYERIZED BLACK DIRT, TREES, FENCE INSTALLATION AND REMOVAL, FLOWERS, SHRUBS, EVERGREN TREES AND TO BE FURNISHED BY THE CONTRACTOR WITH LABOR TO
- THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS SO DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, OR THOSE THAT DIRECTLY "INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF TWO DAYS IN ADVANCE OF REMOVAL OF THRES THAT AFFECT SAFET. THE CONTRACTOR SHALL SYSTRISE EXTREME CARE WHICH WORKING NEAR CONTRACTOR SHALL SYSTRISE CARE WHICH WORKING NEAR CONTRACTOR SHALL REPLAYER ANY DIMMAGED FUNNS AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROTECT ALL OTHER TREES, BUSHES AND LANDSCAPING FEALINESS. TREES REMOVED OR DAMAGED BY THE CONTRACTOR SHALL PROTECT ALL OTHER TREES, BUSHES CONTRACTOR THAT HAVE NOT DEED DESIGNATED FOR REMOVAL, SHALL BE SCHALLED FOR THE STATE OF THE CONTRACTOR SHALL BE DONE IN A NEAT AND CLEAN WANNER (I.e. WITH A SAW DESIGNED FOR PRUNING OR SHEARS OR LOPPERS) AND NOT TORN, PULLED, OR BROKEN WITH CONTRACTOR SHALL HAVE THE SERVICES OF A REGISTERED AND EXPENSE THE CONTRACTOR SHALL HAVE THE SERVICES OF A REGISTERED AND PRUNING WORK. THE ARBORIST SHALL IDENTIFY THE TYPE, SYZE, OWMERS AND CONTRIBUTION OF ALL TREES AND EXPENSE OR REPORT FOR EACH TREE OR EVERSIBLES WHICH THE REPORT FOR EACH TREE OR EVERSIBLES OF THE ENDIFIED OF THE EXPONENCE OF A REGISTERED AND FRUNING WORK. THE ARBORISTS THAT THE SAY DEVERCEENS PRIOR TO REMOVAL, TRAMMING AND EXPENSING WORK THE TREE SEMOVAL, THE THE SAY OF THE THE SEMOVAL THE REPORT FOR EACH TREE OR EVERSIBLES OF THE ENDIFIED OF THE ENDIFIED OR REPORT FOR EACH TREE OR EVERSIBLES OF THE ENDIFICIOR OF THE ENDIFIED OR AS DIRECTED BY THE THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS !

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III. TREES AND EVERGREENS (CONTINUED);

THE CONTRACTOR SHALL NOTE THAT SOME LANDSCAPING MATERIALS MAY BE REQUIRED TO BE TRANSPLANTED THEN ALL RULES, RECULATIONS, PAYMENT, GUARANTEES, WAZERING FOR 2 MONTHS, CARE OF TREES, BASS SIZE, PREP AREA SHALL HAVE THE SAME REQUIREMENTS AS IF INSTALLING NEW LANDSCAPING MATERIALS, ALL TRANSFERRED LANDSCAPING MATERIALS, ALL TRANSFERRED LANDSCAPING OF THE ARRORIST AND LANDSCAPE ARCHITECT, SEE DRAWING FOR PARTICULARS, TRANSPLANTING SHOWN ON THE DRAWING, AND NOT DENTIFIED UNDER A UNIT PRICE ARE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT AND SHALL NOT BE PAID FOR SEPARATELY.

IV. PLANTING

- IF THE SOL AT HAND IS NOT SUITABLE FOR PLANTING, A SUITABLE LICHT RICH SOLD SHALL BE SUPPLIED. THE BACKRIL SOLD SHALL BE FREE OF SOD, LUMBE CLODE, STONES, AND ALL OTHER TYPES OF FOREIGN MATERIALS AND SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY ON THE SITE BACKFILL BE MIXED WITH PLAT MOSS, OR COUNALENT, AND SHALL BE MIXED WITH PLAT MOSS, OR COUNALENT, AND SHALL BE MACTION AND SHALL BE MACTION ACCORDANCED BY AND SHALL BE MACTION SHALL BE LEFT AFFORDER THE PLATING THE FINISHMENT OF ANTICIPATION OF STREET AND SHALL BE LEFT AND SHALL BE LEF
- PLANTING PITS FOR BALLED AND BURLAPPED TREES SHALL BE PREPARED AT THE TIME THE STOCK IS DUG SO THAT NO DELAY WILL OCCUR WHEN THE STOCK IS REACY TO BE PLANTED. ALL PITS SHALL BE DUG AT LEAST ONE FOOT WIDER THAN THE DIAMETER OF THE BALL THE PLANTING PIT SHALL BE DEEP ENOUGH TO PROVIDE PROPER DRAWAGE, TO ALLOW YOUR WICHES OF GOOD SOIL BENEATH THE BALL, AND TO PERMIT THE PLANTING VIENT IT HAS SETTLED TO STAND AT THE ESTABLISHED GRADE AT THE SAME DEPTH AS IT ORIGINALLY GREV

F THE SOIL CONDITION IN THE PITS ARE SUCH THAT ADDITIONAL DRAINAGE IS REQUIRED TO ENSURE SUCCESSFUL GROWTH, SUITABLE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR, WHATEVER TYPE OF DRAINAGE IS PROVIDED SHAL ELIMINATE SUPERFLUOUS WATER IN THE PIT AND DRAIN AWAY FROM THE PLANTING STIE. FACH THEE SHALL BE PLANTING SO AS TO STAND DIRECTLY WHERE STAVED AND AT THE ESTABLISHED GRADE,

IMMEDIATELY AFTER BEING PLANTED. THE TRUNKS OF ALL DECISIOUS TREES SHALL BE WRAPPED SPHALLY WITH CREPE PAPER MANUFACTURED FOR THIS PURPOSE. WRAPPING SHALL BE APPLIED FROM TOP DOWN AND STARTED AT A POINT FAR ENOUGH UP IN THE TREE TO BE WELL SHADED BY BRANCHES ABOVE. LARGE LOWER LIMBS SHALL BE BOUND AND RENFORCED WITH STOLT CORD. WOUND SHRALLY IN THE OPPOSITE DIRECTION OF THE WRAPPING PAPER.

- ALL BALLED AND BURLAPPED SHRUBS SHALL BE PLANTED IN HOLES TWELVE INCHES LARGER IN DIAMETER THAN THE BALL, OF ADEQUATE CEPTH, AND WITH PERPENDICULAR WALLS. THE BALL SHALL BE COVERED TO APPROXIMATELY THREE QUARTERS OF THE DEPTH AND THOROUGHLY WATERED IN FLACE. THE REMAINING ONE QUARTER FILL SHALL BE DRY SOIL WELL COMPACTED INTO PLACE
- IN AREAS WHERE THE PLANTING OF BALLED STOCK HAS RESULTED IN AN EXCESSING AMOUNT OF EXTRA SOIL, SUCH EXCESS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR AND DISPOSED OF OFF SITE.
- PLANTING PRIS FOR BARE ROOTED STOCK SHALL BE AMPLE TO RECEIVE THE ROOTS WITHOUT CROWDING, AFTER PLACING THE PLANTS IN THE HOLES, THE LATTER SHALL BE THERE QUARTERS FILLED WITH FOR SOUL WERE COURTERS FOR THE FINISHED REPORTED AND THE PLANTS SHALL BE FLANTED FUNDA AND STRAIGHT.

ALL DECIDIOUS BARE ROOTED STOCK SHALL BE PROPERLY ROOT PRUNED BEFORE PLANTING TO REMOVE UNDESIRABLE ROOT GROWTH AND TO IMPROVE GROWTH CHARACTERISECS.

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I. GENERAL (CONTINUED)

- TREES SHALL BE INSTALLED A MINIMUM OF FIVE FEET HORIZONTALLY FROM SANITARY SEWERS, SANITARY SERVICES, WATER MAINS, AND WATER SERVICES. TREES SHALL BE INSTALLED A MINIMUM OF TEN FEET HORIZONTALLY FROM UTILITY STRUCTURES AND APPURTENANCES, INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVE VAULTS, VALVE BOXES AND FIRE HYDRANTS.
- INCLUDING, BUT NOT LIMITED TO, MANHOLES, WAIVE VAULTS, VALVE BOXES AND FIRE HYDRAM'S. THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A LICENSED AND REGISTERED ARBORRIST, A REGISTERED LANDSCAPER ARCHITECT, PLUS A STATE AND COUNTY LICENSED, CERTIFIED AND APPROVED LANDSCAPING SERVICE ASSIGNED AND FERFORM SERVICES FOR THE DURATION OF THE PROJECT HE ARBORRIST AND RIGISTERED LANDSCAPER REFUTERCT SHALL OVERSEE ALL RESTORATION, RECISIONAL RESTORATION, RECEIVED AND SERVICES AND METHODS WHEN IT COMES TO SERVICE RECEIVED AND SERVICES AND METHODS AND SHAME SERVICES AND METHOD SERVICES AND SERVICES AND SERVICES AND METHOD SERVICES AND SERVICES AND
- ALL RESTORATION SHALL NOT BE DONE EXCEPT FOR PREP WORK OF THE AREA, PRUNING OR ALL RESTORATION SHALL NOT BE DONE EXCEPT FOR PREP WORK OF THE AREA, PRUNING OR TRIMMING WHEN THE SUMMER SEASON INMPERATURE SHALL EXCELS BS DEGREES FAHERHEIT OR BEIOW 40 DEGREES FAHERHEIT WINTER TEMPERATURE. ALL RESTORATION SHALL START BY APRIL 1 AND STOP BY NOVEMBER 15, OR SOONER AS WEATHER PERMITS. IF WINTER CONDITIONS PREVENT RESTORATION WORK, FOLLOWING THE WINTER SEASON THE CONTRACTOR SHALL RESUME RESTORATION WORK BY APRIL 1, WEATHER PERMITTING, OF THE NEXT YEAR OR IN ACCORDANCE WITH LOCAL ACENCIES. THE OWNER SHALL RETAIN FUNDS OF A MINIMUM EQUAL TO THE WORK TO BE DONE OR MORE. AND SHALL BE, PAID WHEN THE WORK IS COMPLETED. THE GUARANTEE SHALL BE FROM THE DATE THE BURNATURE SHALL BE THE SHALL BE SHOWN THE DATE THE BURNATURE SHALL BE FROM THE DATE THE BURNATURE SHALL BE THE SHALL BE SHOWN THE DATE THE BURNATURE SHALL BE THE SHALL BE SHALL BE THE BURNATURE SHALL BE THE BURNATURE SHALL BE THE BURNATURE SHALL BE SHOWN THE DATE THE BURNATURE SHALL BE SHALL
- THIS WORK SHALL CONSIST OF THE CUTTING, GRUBBING, REMOVAL AND DISPOSAL OF TREES AND EVERGREENS AT THE LOCATIONS SHOWN ON THE PLANS OR SPECIMED BY THE ENCINEER, NO TREES SHALL BE REMOVALD WITHOUT THE APPROVAL OF THE ENGINEER, TREE REMOVAL METHODS SHALL BE IN CONFORMANCE WITH 1001 ARTICLE 201104 OF THE STANDARD SPECIFICATIONS.
- CLEARING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UTILITY INSTALLATION REQUIRED IN THE CONTRACT.
- THE CONTRACTOR SHALL REMOVE ALL STUMPS, TREES AND EVERGREENS AND DISPOSE OFF SITE, PLUS RESTORE SURFACE WITH A 6" LAYER OF BLACK DIRT AND SOD.
- THE CONTRACTOR SHALL REQUIRE THAT AN ARBORIST AND ARCHITECT LANDSCAPER LOOK AT EACH TREE FOR DISEASE, FUNGUS OR BEETLE INFESTATION AND SOUND TREE FOR STRUCTURAL SUITABILITY AND GENERAL CONDITION OF TREE BEFORE CLIMBING OR SAWING. A REPORT SHALL BE CIVEN TO THE ENGINEER INDICATING THEIR FINDINGS.
- TREES TO BE REMOVED OR INSTALLED WILL BE MEASURED IN INCH-DIAMETER. THE DIAMETER WILL BE MEASURED AT A POINT FOUR FEET ABOVE THE HIGHEST GROUND LEVEL AT THE BASE OF THE TREE AND WILL BE DETERMINED BY ASSURING THE CIRCUMFERENCE OF THE TREE AND AND DIVIDING THIS MEASURE CIRCUMFERENCE BY 3.1416.
- TREE REMOVAL OR INSTALLATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICES PER UNIT DIMMETER FOR TREE REMOVAL/MISTALLATION, 6-12 INCH DIMMETER, AND 13-30 NOH DIAMETER, WHICH SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT AND APPURTENANCES NECESSARY 10 COMPLETE THE WORK.
- CONTRACTOR IS ADVISED TREE REMOVAL OR INSTALLATION REQUIRES THAT ALL UTILITIES ARE TO BE IDENTIFIED PRIOR TO REMOVAL AND PROVIDE PROPER PROTECTION (WOOD LAGGING GROUND
- CONTRACTOR SHALL SUPPLY ALL LANDSCAPING MATERIALS.

IV PLANTING (CONTINUED)

RIVER BIRCH HACKBERRY HAWTHORN AMERICAN LINDEN SILVER MAPLE

PIN OAK RED OAK GREEN ASH

COLORADO SPRUCE BALSAM SPRUCE PINES OF VARIOUS SPECIES CRAB MYRTLE TREE EMERALD ARSORVITAT

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6) THIS WORK SHALL CONSIST OF PLANTING TREES AND EVERGREENS OF VARIOUS SIZES AND TRUNK DIAMETER. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE PROPOSED LOCATION FOR FOREIGN UTILITIES, ROOM FOR CROWTH, SUITABLE DRAINAGE AND SUNLIGHT OR SHADE THE ARBORIST SHALL BE ON THE PROJECT DURING THE ENTIRE PROCESS AND SHALL DIRECT THE PLANTING.

PRIOR TO PLANTING, EXAMINE THE AREA FOR OVERHEAD OBSTRUCTIONS WHEN DIGGING AND MOVING, CONTRACTOR SHALL UNDERTAKE AMY PRUNING REQUIRED TO REMOVE POORLY POSITIONED OR DAMAGED LIMBS THE CONTRACTOR SHALL DETERMINE THE SPECIES, OR SOME PORTION THEREOF, IS DISEASED. THE CONTRACTOR SHALL DETERMINE THE TREE OR EVERGREEN IS A SAFETY CONCERN PRIOR TO DETERMINE ANY WORK, FOR EXAMPLE, IF IT CREATES A LINE OF SIGHT PROBLEM FOR VEHICLES, IF IN THE CHINNON OF THE ARBORIST THE TREE OR LYERGREEN IS NOT PLANTABLE THEN THE TREE SHALL NOT BE PLANED.

8) CONTRACTOR SHALL EXAMINE INEW SITE FOR THE TREE'S HABITAT REQUIREMENTS FOR EXAMPLE: WIND PROTECTION: THAT OF YEAR, SOIL PH, SUNDIGHT AND MOISTURE REQUIREMENTS, PLANT IN EARLY FALL, SEE FIRST FREEZE OR IN THE SPRING BEFORE THE BURS ON THAT BEES OR EXCREMENTS SECOND SWELL. 9) THE CONTRACTOR SHALL BE REQUESTED TO PLANT THE FOLLOWING TREE OR EVERGREEN SPECIES: USE 15 GALLON SIZE OR 4' HIGH ON 4" DIA. AS MEASURES (DWARF RED BUCK EYE).

SARCENI CRAB TREE
NINE BARK DARTS GOLD
SUMAC SWOOTH
ARROW WOOD VIBURNUM
WIEGELA FORIDA
JAPANESE YEW
SUMATRAN YEW
APROPRIATE CLOSE

SUMATRAN YEW
ARBORVITAE GLOBE
ARBORVITAE TECHNY
ARBORVITAE AMERICAN
MUGHO PIVE
BOXWOOD WINTERGREEN
DWARF RED BUCK EYE
CRANBERRY VIBURNUM

THE CONTRACTOR SHALL PREPARE A DESIGN OF THE PLANTED TREE AS IT FITS ON THE PROPERTY BY AN ARCHITECT LANDSCAPER, THE DRAWING SHALL BE GIVEN TO THE ENGINEER.

1) THE CONTRACTOR SHALL GET APPROVAL FOR PLANTING FROM THE CITY OF NAPERVILLE PRIOR TO PLANTING. 2) THE CONTRACTOR SHALL IDENTIFY WHAT TYPE OF TREE SHALL BE PLANTED AND PREPARE TREE FOR SHIPPING AND PLANTING.

(3) THE CONTRACTOR SHALL MAINTAIN ALL ACTIVITIES WITHIN THE EASEMENTS OR PUBLIC WAYS ANY AND ALL OTHER MEANS TO PERFORM HEL WORK IS AT THE CONTRACTORS EXPENSE AND SHALL OBTAIN PERMISSION FROM ALL LAND COMMERS TO USE THEIR PROPERTY.

THE CONTRACTOR UNDER THE DIRECTION OF AN ARBORIST SHALL PREPARE THE SITE FOR THE PLANTING FERTILIZE, WATER, TRIM ADD MULCH, STAKE AS NECESSARY, PROVIDE DRAINAGE AND MAINTAIN FOR ONE TREES AND EVERGREENS TO BE PLANTED SHALL BE MEASURED IN INCH DIAMETER. THE DIAMETER WILL BE MEASURED AT A POINT FOUR FEET ABOVE THE HIGHEST GROUND LEVEL AF THE BASE OF THE TREE OR EVERGREEN AND WILL BE DETERMINED BY ASSURING THE CIRCUMFERENCE OF THE TREE AND DIVIDING THIS MEASURE CIRCUMFERENCE BY 3.1416.

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IL PLANT MATERIAL

- THE CONTRACTOR SHALL INVESTIGATE SOURCES OF SUPPLY TO ENSURE THAT ALL THE PLANTS DESIGNATED ON THE PLANTING LIST IN THE SIZE, WARREY, AND QUALITY MOTED AND SPECIFED ARE AVAILABLE, FALLORE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR TROM RESPONSIBILITY TO HURNISH AND INSTALL AS THE PLANT MATERIAL INSTRICT ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AND WITHOUTADD/TIONAL EXPENSE TO THE OWNER.
- ALL STOCK FURNISHED SHALL BE WELL SHAPED PLANTS AND MUST BETRUE TO NAME, ONE OF EACH SIZE SHALL BE LEGISH. TAGGED WITH A WEATHER PROOF TAG STATING THE SIZE AND STANDARD BEYANGEL NAME AS RECOMMENCED BY THE AMERICAN ASSOCIATION OF INNSERTMENT.
- ALL BALLED AND BURLAPPED STOCK SHALL CONFORM FULLY TO THE SPECIFICATIONS AS SET FORTH BY THE AMERICAN NURSERYMEN'S ASSOCIATION AND THE ILLINOIS LANDSCAPE CONTRACTOR'S
- NO SUBSTITUTION SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION BY THE OWNER'S REPRESENTATIVE.
- UPON NOTICE FROM THE OWNER'S REPRESENTATIVE, ALL PLANTS NOT TRUE TO SIZE, QUALITY, VARIETY AND COLOR SPECIFIED SHALL BE REMOVED BY THE CONTRACTOR AND RAMEDIATRY PLANS AND SPECIFICATIONS. THE DECISION OF THE OWNER'S REPRESENTATIVE SHALL BE FINAL.
- ALL PLANTS SHALL BE DUG WITH REASONABLE CARE AND SKILL IMMEDIATELY PREVIOUS TO SHEMBINT, OR, IF DUG IN ADVANCE, ROOTS MUST BE CAREFULLY PROTECTED AT ALL TIMES TO PREVENT EXCESSIVE DRYNGS AND LOSS OF VITALITY. ROOTS PHALL NOT BE SPLIT NOR SHALL AN ROOTS OVER ONE-HALF INCH DIMMETER BE CUT OR BROKEN. SPECIAL PRECAUTIONS SHALL DE TAKEN TO ADVOL BAY LINNECESSARY MULRY TO OR PREMOVAL OF FIBRIOUS ROOTS.
- EACH SPECIES OR WHEET SHALL BE HANDLED AND PACKED IN THE APPROVED MANNER FOR THAT PLANT HAVING RECARD TO THE SOL AND CHARDLED AND THAT THE TIME AND PLACE OF INTERNAL TO DELIVERY. ALL PRECAUTIONS THAT ARE CASTOMARY IN GOOD FACE PRACTICE SHALL BE TAKEN TO ENSURE THAT UPON ARRIVAL AT THE DESTINATION THE PLANTS ARE IN GOOD CONDITION FOR SUCCESSFUL GROWTH.

III. TREES AND EVERGREENS

IDENTIFY SPECIES USING AN ARBORIST, INSTALL ALL WORK USING A REGISTERED, LICENSED, LICENSED, LANDSCAPING STERVICE, REMOVE, FURNISH, DELIVER, MAKE READY WORK, GRADE, LEVEL, DISPOSE OF EXCAMPED MATERIALS, OF SITE, AND PAULT & TREE OF EVEROMEND OF the SAME SPECIES, WARETY AND SAME SIZE, INSTALL SUITABLE BLACK DITE FILL, ORADE, INSTALL WITH MULCH AND WATER IF THIS IS NOT POSSELLE FOR TREE REPLACEMENT OF THE DISHORDER FURNISH, DELIVER AND PLANT WITH ITS SAME AT LOCATIONS DESIGNATED BY THE EMMINIET, A NUMBER OF TREES OF THE SAME STECKES AND VARIETY HAVING A MINIMIM DIAMETER OF A HOLDER, SHOUSE TOTAL MICH DIAMETER COLLES HER INCH DAMETER OF THE PRESENT HERE AS THE AND LESS IN DIMMETER SHALL BE MEASURED AT 6 INCHES FROM THE TOP OF ROOT FALL OR AS DENOTED ON THE ORAMINGS. THESE 3" AND LARGER IN DIAMETER SHALL BE MEASURED AT 12 NCHIS FROM TOP OF ROOT BALL OR AS DENOTED ON THE DRAWINGS. THE EXCAVATION FOR THE THEE OR EVEROVERS HALL BE THREE THEM STHE DATE SIZE OF THE POOT FALL, PULS 3 TO 4 FEED DEEP AND THE TXCAVATED AND EXISTING GROUND MATERIALS MEMOVED FROM THE SITE AND PROPER INSTRUMENTS ADDED, SUPPORTED BY MOST THE CONVOL, AND 3 MICH THOSE SED OF MUSICH AROUND THE IRLE ACCORDING THE EXCAVATED ARCA, PULS WATERING FOR 2 MONTHS UNDER THE APPRICAMENT ADDED, STRONLERS ALL TIRES AND EXPERGENCE PLANTED SHALL BE LOCATED AND DUE TO A ARDBORIST FROM THE OR THE AST DEATH OF THE CONVOLUTION OF THE DENOTED AND DUE TO A REPORT STRONLERS ALL TIRES AND EXPERGENCE PLANTED SHALL BE GUARANTEED TO GROW FOR OR VERRE AND E MONTHS FROM THELE OR TO THE ENDINGER FOR THE STREET ADDRESS AND CORD IN THE ENDINGER FOR THE FORM THE FORM THE PROPERTY OF THE RESON THE PROPERTY OF THE ROOT OF THE TOWNERS.

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IV. PLANTING (CONTINUED):

- ALL TREES AND SHRIBS SHALL BE TOP THINNED OR PRUNED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE PRUNING SHALL BE ONLY FOR THE PURPOSE OF BALANCING TOPS TO ROOTS AND FOR THE REMOVAL OF INTERFERING BRANCHES AND BAD CROTCHES, BUT SHALL NOT CHANGE THE NATURAL GROWTH OR APPEARANCE OF THE PLANT.
- AIL TOP THINNING OR PRUNING SHALL BE PERFORMED WITH THE PROPER TOOLS, PRUNING SHEARS OR LOPPING TOOLS. NORMAL TOP PRUNING OF BALLED STOCK WILL REQUIRE REMOVAL OF APPROXIMATELY ONE QUARTER OF THE BRANCHES, OF BARE ROOTLE STOCK APPROXIMATELY ONE THIRD OF THE BRANCHES. ALL PRUNING WOUNDS SHALL BE PANTED WITH AM APPROVED TREE WOUND DRESSING.

V. FERTILIZER

FERTILIZER SHALL BE A CONTROLLED RELEASE TYPE, SUCH AS MAGAMP, DISTRIBUTED BY JIFFY PRODUCTS OF AMERICA, P.O. BOX 338, WEST CHICAGO, ILLINOIS 60'88, OR APPROVED EQUAL THE FERTILIZER SHALL BE FLACED DIRECTLY INTO PLANTING PITS IN QUANTITIES AND METHOD AS SHOWN ON PLAN.

APPLICATION RATES AND METHODS FOR MAGAMP

a) 10 IN, BALL	2 OZS. COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
b) 12-16 IN. BALL	4 OZS. COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
e) 16-20 IN. BALL	8 OZS. COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
d) 2 FT. BALL	10-12 OZS. COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
e) 3 FT. BALL	1 TO 2 LBS, COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
f) BARE ROOT PLANTING 12 'N. TO 8 FT. TALL	2 OZS, TO 2 LBS. COARSE	PLACE IN BOTTOM OF PLANTING PIT AND COVER WITH ½ TO 1 IN. SOIL BARRIER.

VI. INSPECTION

INSPECTION OF ALL STOCK MAY BE MADE AT POINT OF ORIGIN OR POINT OF INSPECTION OF ALL STOCK MAY BE MADE AT POINT OF ORIGIN OR POINT OF DELIVERY, OR BOTH BY OWNER'S REPRESENTATIVE. STOCK WHICH CANNOT BE SHOWN FOR INSPECTION ON TWENTY-FOUR HOUR NOTICE MAY BE REJECTED. AN INSPECTION DURING DIGGING WILL BE MADE WHEVER SUCH EXAMINATION IS DEFMED DESIRABLE, INAL INSPECTION WILL BE MADE BY THE SAME REPRESENTATIVE WHEN THE MATERIAL IS DELIVERED. THE OWNER RESERVES THE RIGHT TO REJECT ALL STOCK WHICH IS FOUND UNSATISFACTORY UPON DELIVERY.

VII. DELIVERY

- ALL PLANTS SHALL SE PACKED FOR DELIVERY TO ENSURE ADEQUATE PROTECTION ACAINST CLIMATIC, SEASONAL OR ANY OTHER INJURY DURING TRANSIT. THE ROOTS OF BARE—ROOTED STOCK SHALL BE CAREFULLY PROTECTED WITH WET STRAW, MOSS OR OTHER SUITABLE PACKING MATCHAL WHICH WILL ENSURE THE ARRIVAL OF PLANTS AT THE DESTINATION IN GOOD CONDITION, SPECIAL ATTENTION SHALL BE GIVEN TO ENSURE PROMPT DELIVERY, CAREFUL HANDLING IN LOADING, PROTECTION BY CANIVAS OR OTHER ACCEPTED METHODS IN TRANSIT, AND JUNIOADING AT THE POINT OF DELIVERY.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR ALL UNPLANTED STOCK ON THE SITE BY CAREFULLY HEELING IN OR BY OTHER STANDARD APPROVED PRACTICES.

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II. TREES AND EVERGREENS (CONTINUED):

2) THE CONTRACTOR, UPON APPROVAL OF THE ENGINEER, MAY ELECT TO AUGUR UNDER ANY TREE OR EVERGREEN WITH A TRUNK SIZE OF 6 INCHES OR LARGER, HOWEVER, ALL TREES OR EVERGREENS WITH A TRUNK SIZE OF 12 INCHES AND LARGER SHALL BE AUGURED. SUDDINING SHALL WILL EXTEND THE FULL LENGTH OF THE DRIP LIME OF THE TREE AND PASS NO CLOSER THAN 4 FEET TO THE OUT SIDE DIAMETER OF THE TRUNK, DEVALUATION TO FROM THE TREE AND PASS NO CLOSER THAN 4 FEET TO THE OUT SIDE DIAMETER OF THE TRUNKS WILL BE PERMITTED WHERE POSSIBLE, BUIT AT NO ADDITIONAL COST TO THE OWNER. THE DIRECTIONAL DORNES TECHNIQUE MAY BE CONSIDERED AND PERFORMED WITH THE OWNER THE DIRECTIONAL ARRONDS THE WORK TO CONTRACTOR ALL EXCAVATION SHALL BE BACKFILLED WITH S INCHES OF BLACK DIRT AND LEVELED AND GRAGED.

- GRADED.

 3) SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES AND SMALL EVERGREENS SHALL BE FURNISHED, DELIVERED, ARRA PREPARED, BLACK DIRT BACK FILL SHALL MADE LEVEL, GRADE, AND COMPACT AND PROMOTE DRAINAGE, AND PLANT A PLANT OF THE SAME SPECIES VARIETY, SAME SIZE IN HEIGHT, SAME SIZE IN WIDTH, AS GOVERNED BY ARRICE 1081 01 (0.) TYPES 1, 2, 3 AM 4, 0, 0 THE LILLINDS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR SURNISH, DELIVER AND PLANT, AT LOCATIONS DESIGNATED BY THE ENGINEER, A NUMBER OF PLANTS OF THE SAME SPECIES AND AWAIL FOR THE STANDARD SHORT OF THE SHALL EQUAL THE MEASUREMENT OF THE PLANT TO BE REPLACED, MEASURED ABOVE. THE EXCAVATION FOR THE SHAUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES AND SMALL EVERGREENS SHALL BE TWICE THE SIZE OF THE ROOT BALL AND THE EXISTING GROUND MATERIALS REMOVED FROM THE SIZE AND SMALL SHEED. SHALL BE TWICE THE SIZE OF THE ROOT BALL AND THE EXTRING SPOUND MATERIALS REMOVED FROM THE SIZE AND SMALL SHEED. SHALL BE THE SIZE OF THE ROOT BALL AND THE EXTRING SPOUND MATERIALS REMOVED FROM THE SIZE AND SMALL SHEED. SHALL BE SIZE OF THE ROOT BALL AND THE EXTRING SPOUND MATERIALS REMOVED FROM THE SIZE AND SMALL SHEED. SHALL BE SIZE OF THE ROOT BALL AND THE EXTRING SPOUND MATERIALS REMOVED FROM THE SIZE AND SMALL SHEED. OF AN ABBORNES, ALL SHEEDS, BUSHES, FLOWERS, PLANTS, SMALL TREES AND GRAND TO THE ENDINEER FOR THE RECORD ALL SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES, OR SMALL EVERGREENS SHALL BE CUARANTEED TO GROW FOR ONE YEAR FROM THE DATE OF THE AS BUILT DRAWING, WHICH IS SICNED AND DATE BY THE ENGINEER.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING LANDSCAPING SUCH AS: BLACK DIRT, GRASS, PLANIS, TREES, SHRUSS, EVERGREENS, CARDENS, VECETABLE GARDENS, VINES, BUSHES, FLOWERS AND ROCK CARDENS REMOVED OR DAMAGED. THE CONTRACTOR SHALL MED THE ENTIRE PROJECT TO DETERMINE ALL THE TYPES OF LANDSCAPING PRIOR TO STARTING THE WORK FAILURE TO DO SO SHALL REQUIRE THAT ALL LANDSCAPING CALAMED TO BE DAMAGED SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTORS COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LANDSCAPING CARE OF ALL TYPES AND VARIETY OF LANDSCAPING DURING THE PERIOD OF TEXTBUSHMENT FOR INTIMAL AND REPLACED LANDSCAPING AND SHALL CONTRACTORS.
- 5) ALL LANDSCAPING MATERIALS SHALL CARRY A DNE YEAR AND SIX MONTHS QUARANTY FROM FINAL PAYMENT AND/OR FROM THE DATE THE ENGINEER SIGNS THE AS BUILT DRAWING ACCEPTING THE WORK.
- AT THE TIME OF SELECTION AT THE NURSERY THE LANDSCAPING MATERIALS MUST BE:

- 7) ALL LANDSCAPING, PLANTS, ETC., THAT DO NOT MEET THE REQUIREMENTS FOR ACCEPTANCE SHALL BE REPLACED AT THE CONTRACTORS COST. AT ITS OWN EXPENSE AND SHALL CARRY THE SAME GUARANTE.

TREES, PLANTS, GRASS, SHRUBS, EVERGREENS, GARDENS, VEGETABLE CARDENS, BUSHES, FLOWERS, AND WINES RESTORATION IDENTIFIED ON THE CONSTRUCTION DRAWING, SHALL BE PAID BY UNIT PRICING, HOWEVES ALL DISTURGED APEAS CAUSED DURING CONSTRUCTION AND/OR NOT SHOWN ON THE DRAWINGS SHALL BE RESTORED BY THE CONTRACTOR AND IS INCIDENTAL TO THE WORK, THE CONTRACTOR IS ADVISED THE WORK AREA IS ON THE ROADWAY PROPERTY AND SHALL BE DONE TO THE DUPAGE COUNTY DEPARTMENT OF TRANSPORTATION REQUIREMENTS. THE ELECTRICAL CONTRACTOR IS SPONSIBLE FOR ALL AREA

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58199-104 (CONSTRUCTION SPECIFICATION)

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SECTION

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- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, A REGISTERED ARBORIST. A REGISTERED LANDSCAPE ARCHITECT, AND APPURTENANCES NECESSARY TO PERFORM TREE AND EVERGREEN ROOT PRUNING WORK SHALL BE COMPLETED IN CONFORMANCE WITH SECTION 201 OF THE "STANDARD ROAD SPECIFICATIONS" LATEST EDITION. THIS SHALL BE COMPLETED FOR ALL TREES ENCROACHING UPON THE CONSTRUCTION AREA. ANY ROOTS ENCOUNTERED SHALL BE TREATED WITH THIS METHOD AS DIRECTED BY THE CITY.
- ROOT PRUNING USING AN APPROVED MECHANICAL ROOT PRUNING SAW, OR LOPPER AS DIRECTED BY A REGISTERED ARSORIST, SHALL BE PERFORMED PRIOR TO DIGGING WHERE NOTED ON THE PLANS, PER CUSTOMER REQUEST OR AS DIRECTED BY THE ENGINEER. WHENLYER ROOTS OF PLANT MINERAL ARE TO REMAIN EXPOSED DURING CONSTRUCTION, THE DIMAGED ROOTS ARE TO BE REMOVED BY CUTTING THEM OFF CLEANLY, FRUNING SHALL BE DONE IN THE PRESENCE OF THE ENGINEER AND/OR REGISTERED ARBORIST AND IN SUCH A MANNER AS TO PRESERVE THE NATURAL GROWTH HABIT.
- ANY DAMAGE TO THE ROOT ZONE, AS DETERMINED BY THE ENGINEER AND/OR ARBORIST SHALL BE COMPENSATED BY PRUNNING AN EQUIVALENT AMOUNT OF THE 100P VEGETATIVE GROWTH OF THE PLANT MATERIAL WITHIN 1 WEEK FOLLOWING ROOT DAMAGE, FERTILIZER WITH A 1:1:1 RATION SHALL BE APPLIED WITHIN 48 HOURS AFTER ROOT DAMAGE OCCURS, A FERTILIZER WITH A 1:1:1 RATION SHALL BE APPLIED AT THE RATE OF 5 LBS. OF NUTRIENTS FOR 1000 SQ. FT.
- APPLICATION SHALL BE ACCOMPLISHED BY PLACING DRY FERTILIZER IN HOLES IN THE SOIL. HOLES SHALL BE 8 TO 12 INCHES DEEP AND SPACED 2 FEET AFART IN AN AREA BECINNING 30 INCHES FROM THE BASE OF THE PLAMT. HOLES CAN BE PUNCHED WITH A PUNCH BAR, DUG WITH A SPADE, FORLIED WITH AN AUGER OR ANY METHOD APPROVED BY THE ENGINEER APPROXIMARIETY 0.02 LB, OF FERTILIZER NUTRIENTS SHALL SE PLACED BY IN EACH HOLE (250 HOLES PER 1000 SO, FT).
- IF THE ENGINEER OR ARBORIST DETERMINE THAT THE HOLE METHOD OF FERTILIZER PLACEMENT IS NOT PRACTICAL OR DESIRABLE, AN APPROVED METHOD OF UNIFORM SURFACE APPLICATION WILL BE ALLOWED
- IN THE CASE OF INADEQUATE RAINFALL, AS DETERMINED BY THE ENGINEER, SUPPLEMENTAL WATER SHALL BE APPLIED WITHIN 48 HOURS OF ANY ROOT DAMAGE. THE WATER SHALL BE APPLIED AT THE RATE OF 2 GALLONS PER SQ. YD. OF SURFACE WITHIN THE ROOT ZONE OF PLANT MATERIAL HAVING SUSTAINED DAMAGE TO THE ROOT ZONE. THREE SUBSEQUENT WEEKLY WATERING AT 2 GALLONS PER SQ. YD. SHALL BE APPLIED IN DEBMED. NECESSARY BY THE ENGINEER ADDITIONAL WATERING ANY BE REQUIRED. THE ENGINEER ALD BUILDINGT

IX. SUPPLEMENTAL WATERING

VIII ROOT PRUNING

- THIS WORK SHALL CONSIST OF FURNISHING SUPPLEMENTAL WATERING IN CONFORMANCE WITH IDOT ARTICLE 252.09 OF THE STANDARD SPECIFICATIONS.
- SUPPLEMENTAL WATERING WILL BE MEASURED FOR PAYMENT IN UNITS OF 100D GALLONS OF WATER APPLIES
- CONTRACTOR IS ADVISED SUPPLEMENTAL WATERING IS INCLUDED IN THE UNIT PRICING PER STRUCTURES,

SUPPLEMENTAL WATERING IS AT THE DIRECTION OF THE ENGINEER

DATE: 05-01-05	LANDSCAPING	NAPERVILLE PUBLIC
Page 8 of 11	OVERHEAD OR UNDERGROUND	UTILITIES DEPARTME
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COUNTY TOTAL SHEETS SHEET NO

A) IN A LIVE HEALTHY CONDITION.
B) CHECK AND RECORD THE DIMMETER FROM TOP OF ROOT BALL.
C) BALANCED AND SYMMETRICAL APPEARANCE.
D) REPRESENTATIVE OF ITS THE SPECIES IN COLOR, SIZE AND STRAIGHTNESS.
E) SUFFICIENT DIRT TO PROMOTE GROWTH.
F) NOT INFECTED WITH INSECTS OF FING.
C) ALL LANDSCAPING MATERIALS SHALL SE APPROVED FOR PLANTING BY THE ARBORIST AND/OR LANDSCAPE ARCHITECT.

X. MULCHING

- THIS ITEM OF WORK SHALL INCLUDE THE MULCHING OF SEEDED AREAS ALONG THE PROPOSED IMPROVEMENTS AT THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENCINEER.
- 2) MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS MULCH SHALL BE APPLIED AS HYDRAULIC MILLEH AS SPECIFIED IN DOT ARTICLE 251.03. (c), METHOD 3. OF THE STANDARD SPECIFICATIONS, MULCH SHALL BE STANDARD SPECIFICATIONS, MODERN SHALL E APPLIED TO ALL SEEDED AREAS WITHIN 24 HOURS FROM THE TIME SEED HAS BEEN APPLIED.
- CONTRACTOR IS ADVISED MULCHING IS INCLUDED IN THE UNIT PRICING PER FOOT FOR INSTALLING CONDUIT, FOUNDATION POLE OR REMOVAL.
- 4) MULCHING WILL BE MEASURED IN PLACE IN ACRES OF SURFACE AREA MULCHED.
- THE PRICE SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT FOR PLACING THE MULCH OVER SEEDED AREAS AS SPECIFIED. MULCHING SHALL BE AT THE DIRECTION OF