

F.A. RTE. 2552	SECTION 00-0014-00-PV	COUNTY DUPAGE	TOTAL SHEETS 563	SHEET NO. 310
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT 63024				

TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND

THIS SPECIFICATION COVERS THE REQUIREMENTS FOR THE INSTALLATION OF FLOWERS, PLANTS, TREES, SHRUBS, EVERGREENS AS PART OF THE LANDSCAPING WORK OVERHEAD AND UNDERGROUND LINES AND RELATED FACILITIES IN ACCORDANCE WITH THE JOB DRAWINGS.

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 FAITHFUL CARRYING OUT THE WORK. COMPETENT AND SKILLFUL MEN SHALL BE EMPLOYED TO EXECUTE THE WORK WHICH SHALL BE SUPERVISED BY AN EXPERIENCED ARBORIST FOREMAN AT ALL TIMES.
- THE CONTRACTOR SHALL HAVE AVAILABLE AND IN GOOD CONDITION ALL EQUIPMENT NECESSARY FOR THE SAFE TRANSPORTING OF PLANTINGS TO THE SITE AND FOR SETTING PLANTINGS IN FINAL POSITION.
- THE CONTRACTOR SHALL CONTAIN HIS OPERATION WITHIN THE OWNER'S PROPERTY AND SHALL AVOID OR MINIMIZE ANNOYANCE OR DISTURBANCE TO THE PUBLIC.
- CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ALL AREAS OUTSIDE OF THE WORK AREAS AND ANY DAMAGE THERE TO SHALL BE IMMEDIATELY REPAIRED AND RESTORED TO THE ORIGINAL CONDITION.
- WHEN THE WORK IS COMPLETED, THE CONTRACTOR SHALL RESTORE THE SURFACE OF OWNER'S PROPERTY AND/OR ANY OTHER LAND USED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION. ALL DEBRIS, EXCESS EXCAVATED MATERIAL, AND ALL OTHER MATERIAL WHICH COLLECTS AS A RESULT OF THE CONTRACTOR'S OPERATION, SHALL BE REMOVED IMMEDIATELY.
- ALL BRICKS, MORTAR, DECORATIVE STONE, CONCRETE, STONE, SAND GRAVEL, MODULAR BRICK FORMS, MUD CHUTE, ALL TYPES, PULVERIZED BLACK DIRT, TREES, FENCE INSTALLATION AND REMOVAL, FLOWERS, SHRUBS, EVERGREEN TREES AND TO BE FURNISHED BY THE CONTRACTOR WITH LABOR TO INSTALL.
- 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 TREES THAT ARE NOT SAFE. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS TO AVOID DAMAGING THOSE NOT SCHEDULED FOR REMOVAL AND SHALL REPAIR ANY DAMAGED PLANTS AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROTECT ALL OTHER TREES, BUSHES AND LANDSCAPING FEATURES. TREES REMOVED OR DAMAGED BY THE CONTRACTOR THAT HAVE NOT BEEN DESIGNATED FOR REMOVAL, SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY. TREES TO HAVE BRANCHES OR ROOTS PRUNED SHALL BE DONE IN A NEAT AND CLEAN MANNER (I.E. WITH A SAW DESIGNED FOR PRUNING OR SHEARS OR LOPPERS) AND NOT TORN, PULVED, OR BROKEN WITH CONSTRUCTION EQUIPMENT. THE CONTRACTOR SHALL HAVE THE SERVICES OF A REGISTERED AND CERTIFIED ARBORIST ON SITE DURING THE TREE REMOVAL, TRIMMING AND PRUNING WORK. THE ARBORIST SHALL IDENTIFY THE TYPE, SIZE, DIAMETER AND CONDITION OF ALL TREES AND EVERGREENS PRIOR TO REMOVAL. TRIMMING AND PRUNING AND PROVIDE A REPORT FOR EACH TREE OR EVERGREEN WORKED ON. THE REPORT SHALL BE PROVIDED IN DUPLICATE AND GIVEN TO THE ENGINEER FOR REVIEW. SEE DETAILS OF TREE REQUIREMENTS IN PLAN DRAWINGS OR AS DIRECTED BY THE ENGINEER.

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.
- THE CONTRACTOR SHALL PROVIDE THE SERVICES OF A LICENSED AND REGISTERED ARBORIST, A REGISTERED LANDSCAPER ARCHITECT, PLUS A STATE AND COUNTY LICENSED, CERTIFIED AND APPROVED LANDSCAPING SERVICE ASSIGNED AND PERFORM SERVICES FOR THE DURATION OF THE PROJECT. THE ARBORIST AND REGISTERED LANDSCAPER ARCHITECT SHALL OBTAIN ALL PERMITS AND APPROVALS REQUIRED ON THE PROJECT AS IT RELATES TO SURFACE RESTORATION, VEGETATION, DECORATIVE FEATURES, PROVIDE LANDSCAPING DESIGNS, GARDENS, AND TREES AND SHRUBS AND EVERGREENS AND SOILING, SEEDING AND BLACK DIRT INSTALLATION, AND SHALL DIRECT PRUNING AND TRIMMING OPERATIONS TO FOLLOW THE BEST PRACTICES AND METHODS WHEN IT COMES TO SURFACE RESTORATION, VEGETATION, TREES AND PLANTS. THE ARBORIST AND/OR ARCHITECT SHALL WRITE REPORTS WITH RECOMMENDATIONS, CAUSE AND EFFECT RELATION SHIPS, PROVIDE LANDSCAPING DESIGNS FOR CUSTOMER APPROVAL AND PROVIDE POSSIBLE SOLUTIONS WITH OPTIONS OF ALL WORK BEING DONE OR PROPOSED WHEN REQUESTED TO DO SO BY THE OWNER. THE REGISTRATION NUMBER AND NAME OF THE REGISTERED LANDSCAPE ARCHITECT SHALL BE PROVIDED PRIOR TO STARTING WORK. IN ADDITION, THE CONTRACTOR SHALL PROVIDE THE ARBORIST NAME AND CREDENTIALS. THE COST OF PROVIDING THIS SERVICE IS INCIDENTAL TO THE COST OF THE CONTRACT.
- A RESTORATION SHALL NOT BE DONE EXCEPT FOR PREP WORK OF THE AREA, PRUNING OR TRIMMING WHEN THE SUMMER SEASON TEMPERATURE SHALL EXCEED 85 DEGREES FAHRENHEIT OR BELOW 40 DEGREES FAHRENHEIT WINTER TEMPERATURE. ALL RESTORATION SHALL START BY APRIL 1 AND STOP BY NOVEMBER 15, OR SOONER AS WEATHER PERMITS. IF WINTER CONDITIONS PREVENT RESTORATION, FOLLOWING THE WINTER SEASON THE CONTRACTOR SHALL RESUME RESTORATION WORK BY APRIL 1, WEATHER PERMITTING, OF THE NEXT YEAR OR IN ACCORDANCE WITH LOCAL AGENCIES. 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 ENGINEER HAS SIGNED THAT ALL SURFACE RESTORATION IS COMPLETED.
- THIS WORK SHALL CONSIST OF: THE CUTTING, GRUBBING, REMOVAL AND DISPOSAL OF TREES AND EVERGREENS AT THE LOCATIONS SHOWN ON THE PLANS OR SPECIFIED BY THE ENGINEER. NO TREES SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER. TREE REMOVAL METHODS SHALL BE IN CONFORMANCE WITH IDOT ARTICLE 201.04 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 SOIL.
- THE CONTRACTOR SHALL REQUIRE THAT AN ARBORIST AND ARCHITECT LANDSCAPER LOOK AT EACH TREE FOR DISEASE, FUNGUS OR BEETLE INFESTATION AND SOUND FREE FOR STRUCTURAL SUITABILITY AND GENERAL CONDITION OF TREE BEFORE CUMBERG OR SAWING. A REPORT SHALL BE GIVEN 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 DIVIDING THIS MEASURE CIRCUMFERENCE BY 3.1416.
- TREE REMOVAL OR INSTALLATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICES PER UNIT DIAMETER FOR TREE REMOVAL/INSTALLATION, 6"-2" INCH DIAMETER, AND 13"-30" INCH DIAMETER WHICH SHALL BE FULL COMMISSION FOR ALL MATERIALS, LABOR, EQUIPMENT AND APPURTENANCES NECESSARY TO 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 TREES).

II. PLANT MATERIAL

- THE CONTRACTOR SHALL INVESTIGATE SOURCES OF SUPPLY TO ENSURE THAT ALL THE PLANTS DESIGNATED ON THE PLANTING LIST IN THE SIZE, VARIETY, AND QUALITY NOTED AND SPECIFIED ARE AVAILABLE. FAILURE TO TAKE THIS PRECAUTION WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO FURNISH AND INSTALL ALL THE PLANT MATERIAL, STRICTLY ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AND WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
- ALL STOCK FURNISHED SHALL BE WELL SHAPED PLANTS AND MUST DETRUE TO NAME. ONE OF EACH SIZE SHALL BE LEGALLY TAGGED WITH A WEATHER PROOF TAG STATING THE SIZE AND STANDARD BOTANICAL NAME AS RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL BALLED AND BURLAPPED STOCK SHALL CONFORM FULLY TO THE SPECIFICATIONS AS SET FORTH BY THE AMERICAN NURSERYMEN'S ASSOCIATION AND THE ILLINOIS LANDSCAPE CONTRACTORS ASSOCIATION.
- THE CALIBER OF TREE TRUNKS SHALL BE TAKEN SIX INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR INCHES CALIBER AND 12 INCHES ABOVE GROUND LEVEL FOR TREES OF LARGER CALIBER.
- 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 IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANTS MEETING THE REQUIREMENTS OF THE 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 SHIPMENT, OR IF DUG IN ADVANCE, ROOTS MUST BE CAREFULLY PROTECTED AT ALL TIMES TO PREVENT EXCESSIVE DRYING AND LOSS OF VITALITY. ROOTS SHALL NOT BE CUT NOR SHALL ANY ROOTS OVER ONE HALF INCH DIAMETER BE CUT OR BROKEN. SPECIAL PRECAUTIONS SHALL BE TAKEN TO AVOID ANY UNNECESSARY INJURY TO OR REMOVAL OF FIBROUS ROOTS.
- EACH SPECIES OR VARIETY SHALL BE HANDLED AND PACKED IN THE APPROVED MANNER FOR THAT PLANT, HAVING REGARD TO THE SOIL AND CLIMATIC CONDITIONS AT THE TIME AND PLACE OF DIGGING, THE TYPE OF TRANSIT, THE DELIVERY SITE, AND THE TIME THAT WILL BE CONSIDERED IN TRANSIT OR DELIVERY. ALL PLANTS MUST HAVE AN CUSTOMARY IN GOOD 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, LANDSCAPING SERVICE. REMOVE, FURNISH, DELIVER, MAKE READY WORK, GRADE, LEVEL, DISPOSAL OF EXCAVATED MATERIAL, AND PLANT A TREE OR EVERGREEN OF THE SAME SPECIES, VARIETY AND SAME SIZE. INITIAL, SUITABLE BLACK DIRT FILL, GRADE, INITIAL WITH MULCH AND WATER. IF THIS IS NOT POSSIBLE FOR TREE REPLACEMENT DO THE FOLLOWING: FURNISH, DELIVER AND PLANT WITH THE SAME AT LOCATIONS DESIGNATED BY THE ENGINEER. A NUMBER OF TREES OF THE SAME SPECIES AND VARIETY HAVING A MINIMUM DIAMETER OF 4 INCHES, WHOSE TOTAL INCH DIAMETER EQUALS THE INCH DIAMETER OF THE TREE REMOVED. DIAMETER OF THE PRESENT TREE 4" AND LESS IN DIAMETER SHALL BE MEASURED AT 6 INCHES FROM THE TOP OF ROOT BALL OR AS DENOTED ON THE DRAWINGS. TREES 4" AND LARGER IN DIAMETER SHALL BE MEASURED AT 12 INCHES FROM TOP OF ROOT BALL OR AS DENOTED ON THE DRAWINGS. THE EXCAVATION FOR THE TREE OR EVERGREEN SHALL BE THREE TIMES THE DIAMETER SIZE OF THE ROOT BALL, PLUS 3 TO 4 FEET DEEP AND THE EXCAVATED AND EXISTING GROUND MATERIALS REMOVED FROM THE SITE AND DISPOSED OF OFF SITE. DECORATIVE LOGS INSTALLED AND NEW PULVERIZED DIRT WITH THE PROPER NUTRIENTS APPLIED, SUPPORTED BY ROPE, BE DOWN, AND 3 INCH THICK BED OF MULCH AROUND THE TREE COVERING THE EXCAVATED AREA, PLUS WATERING FOR 2 MONTHS UNDER THE DIRECTION OF AN ARBORIST ENGINEER. ALL TREES AND EVERGREENS PLANTED SHALL BE LOCATED AND IDENTIFIED AND DATED AND PUT ON A DRAWING AND THE TREE OR EVERGREEN IDENTIFIED BY SPECIES AND SIZE WITH THE STREET ADDRESS AND GIVEN TO THE ENGINEER FOR THE RECORD. ALL TREES AND EVERGREENS SHALL BE GUARANTEED TO GROW FOR ONE YEAR AND 6 MONTHS FROM THE DATE OF THE AS-BUILT DRAWING, WHICH IS SIGNED AND DATED BY THE ENGINEER.

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 1 of 11
		56270-1000

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 2 of 11
		56270-1000

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 3 of 11
		56270-1000

II. TREES AND EVERGREENS (CONTINUED)

- THE CONTRACTOR, UPON APPROVAL OF THE ENGINEER, MAY ELECT TO LOCATE 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 LOCATED, INCLUDING SHALL, WILL EXTEND THE FULL LENGTH OF THE DROP LINE OF THE TREE AND PASS NO CLOSER THAN 1 FT. TO THE OUT SIDE DIAMETER OF THE TRUNK. DEVIATION TO FROM THE CONDUIT CENTERLINE TO AVOID TREE TRUNKS WILL BE PERMITTED WHERE POSSIBLE, BUT AT AN ADDITIONAL COST TO THE OWNER. THE DIRECTIONAL BORING TECHNIQUE MAY BE CONSIDERED AND PERFORMED WITH THE ENGINEER'S APPROVAL AT NO COST TO THE OWNER. ALL WORK TO REMOVE THE TREES OR EVERGREENS ARE UNDER THE SUPERVISION OF AN ARBORIST PROVIDED BY THE CONTRACTOR. ALL EXCAVATION SHALL BE BACKFILLED WITH 6 INCHES OF BLACK DIRT AND LEVELED AND GRADED.
- SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES AND SMALL EVERGREENS SHALL BE FURNISHED, DELIVERED, AREA 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 COVERED BY ARTICLE 108.01 (G), TYPES 1, 2, 3 AND 4, OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND HIGHWAY CONSTRUCTION OR FURNISH, DELIVER AND PLANT AT LOCATIONS DESIGNATED BY THE ENGINEER, A NUMBER OF PLANTS OF THE SAME SPECIES AND VARIETY WHOSE TOTAL MEASUREMENTS SHALL EQUAL THE MEASUREMENT OF THE PLANT TO BE REPLACED. MEASURED ABOVE THE EXCAVATION FOR THE SHRUBS, 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 SITE AND NEW PULVERIZED DIRT WITH THE PROPER NUTRIENTS APPLIED, SUPPORTED BY ROPE, BE DOWN, AND 3 INCH THICK BED OF MULCH AROUND THE PLANT COVERING THE EXCAVATED AREA, PLUS WATERING FOR 2 MONTHS UNDER THE DIRECTION OF AN ARBORIST. ALL SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES, SMALL EVERGREENS PLANTED SHALL BE LOCATED AND IDENTIFIED AND DATED AND PUT ON A DRAWING AND THE SHRUBS, BUSHES, FLOWERS, PLANTS, OR SMALL EVERGREENS AND SMALL TREES SHALL BE IDENTIFIED BY SPECIES AND SIZE WITH THE STREET ADDRESS AND GIVEN TO THE ENGINEER FOR THE RECORD. ALL SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES, OR SMALL EVERGREENS SHALL BE GUARANTEED TO GROW FOR ONE YEAR FROM THE DATE OF THE AS-BUILT DRAWING, WHICH IS SIGNED AND DATED BY THE ENGINEER.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING LANDSCAPING SUCH AS: BLACK DIRT, GRASS, PLANTS, TREES, SHRUBS, EVERGREENS, GARDENS, VEGETABLE GARDENS, VINES, BUSHES, FLOWERS AND ROCK GARDENS REMOVED OR DAMAGED. THE CONTRACTOR SHALL VIDEO THE ENTIRE PROJECT TO DETERMINE ALL THE TYPES OF LANDSCAPING PRIOR TO STARTING THE WORK. FAILURE TO DO SO SHALL REQUIRE THAT ALL LANDSCAPING CLAIMED TO BE DAMAGED SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTOR'S COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LANDSCAPING CARE OF ALL TYPES AND VARIETY OF LANDSCAPING DURING THE PERIOD OF ESTABLISHMENT FOR NEW AND REPLACED LANDSCAPING AND SHALL COMPLY WITH REQUIREMENTS FOR REMOVAL AND REPLACEMENT OF INACCEPTABLE AND/OR DEAD LANDSCAPING MATERIALS.
- ALL LANDSCAPING MATERIALS SHALL CARRY A ONE YEAR AND SIX MONTHS GUARANTEE 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:
 - IN A LIVE HEALTHY CONDITION;
 - CHECK AND RECORD THE DIAMETER FROM TOP OF ROOT BALL;
 - BALANCED AND SYMMETRICAL APPEARANCE;
 - REPRESENTATIVE OF ITS SPECIES IN COLOR, SIZE AND STRAIGHTNESS;
 - SUFFICIENT DIRT TO PROMOTE GROWTH;
 - NOT INFESTED WITH INSECTS OR FUNGI;
 - ALL LANDSCAPING MATERIALS SHALL BE APPROVED FOR PLANTING BY THE ARBORIST AND/OR LANDSCAPE ARCHITECT.
- ALL LANDSCAPING, PLANTS, ETC., THAT DO NOT MEET THE REQUIREMENTS FOR ACCEPTANCE SHALL BE REPLACED AT THE CONTRACTOR'S COST AT ITS OWN EXPENSE AND SHALL CARRY THE SAME GUARANTEE.

III. TREES AND EVERGREENS (CONTINUED)

- THE CONTRACTOR SHALL NOTE THAT SOME LANDSCAPING MATERIALS MAY BE REQUIRED TO BE TRANSPORTED THEN ALL RULES, REGULATIONS, PAYMENT, GUARANTEES, WATERING FOR 2 MONTHS AFTER PLANTING, BASE SIZE, PREP AREA SHALL HAVE THE SAME REQUIREMENTS AS IF INSTALLING NEW LANDSCAPING MATERIALS. ALL TRANSPORTED LANDSCAPING MATERIALS ACTIVITIES SHALL BE DIRECTED AND SUPERVISED UNDER THE SUPERVISION OF THE ARBORIST AND LANDSCAPE ARCHITECT. SEE DRAWING FOR PARTICULARS, TRANSPORTING SHOWN ON THE DRAWING, AND NOT IDENTIFIED UNDER A UNIT PRICE ARE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT AND SHALL NOT BE PAID FOR SEPARATELY.

IV. PLANTING

- IF THE SOIL AT HAND IS NOT SUITABLE FOR PLANTING, A SUITABLE LIGHT RICH SOIL SHALL BE SUPPLIED TO THE BACKFILL. SOIL SHALL BE FREE OF ROBS, LUMPS, CLDS, STONES, AND ALL OTHER TYPES OF FOREIGN MATERIALS AND SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY ON THE SITE. BACKFILL SHALL BE MIXED WITH PEAT MOSS, OR EQUIVALENT, AND SHALL BE WELL COMPACTED BY TAMPING AND WATERING ACCORDING TO ACCEPTED PRACTICE SO THAT ALL VOIDS AND AIR POCKETS ARE ELIMINATED. A SLIGHT DEPRESSION SHALL BE LEFT AROUND THE PLANTING TO FACILITATE WATERING.
 - 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 READY 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 DRAINAGE TO ALLOW FOUR INCHES OF GOOD SOIL BENEATH THE BALL, AND TO PERMIT THE PLANTING WHEN IT HAS SETTLED TO STAND AT THE ESTABLISHED GRADE AT THE SAME DEPTH AS IT ORIGINALLY GREW. IF 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 SHALL ELIMINATE SUPERFLUOUS WATER IN THE PIT AND DRAIN AWAY FROM THE PLANTING SITE. EACH TREE SHALL BE PLANTED SO AS TO STAND DIRECTLY WHERE STAKED AND AT THE ESTABLISHED GRADE.
 - IMMEDIATELY AFTER BEING PLANTED, THE TRUNKS OF ALL DECIDUOUS TREES SHALL BE WRAPPED SPIRALLY WITH CREEPE 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 REINFORCED WITH STOUT CORD WOUND SPIRALLY 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 DEPTH, AND WITH PERPENDICULAR WALLS. THE BALL SHALL BE COVERED TO APPROXIMATELY THREE QUARTERS OF THE DEPTH AND THOROUGHLY WATERED IN PLACE. 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 EXCESSIVE AMOUNT OF EXTRA SOIL, SUCH EXCESS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR AND DISPOSED OF OFF SITE.
 - PLANTING PITS FOR BARE ROOTED STOCK SHALL BE AMPLIFIED TO RECEIVE THE ROOTS WITHOUT CROWDING AFTER PLACING THE PLANTS IN THE HOLES. THE LATTER SHALL BE THREE QUARTERS FILLED WITH TOP SOIL, WATERED AND THEN FILLED WITH COMPACTED DRY EARTH TO THE LEVEL OF THE FINISHED GRADE. THE PLANTS SHALL BE PLANTED PLUMB AND STRAIGHT.
- ALL DECIDUOUS BARE ROOTED STOCK SHALL BE PROPERLY ROOT PRUNED BEFORE PLANTING TO REMOVE UNSUITABLE ROOT GROWTH AND TO IMPROVE GROWTH CHARACTERISTICS.

IV. PLANTING (CONTINUED)

- 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 GROWTH, SUITABLE DRAINAGE AND SUNLIGHT OR SHADE. THE ARBORIST SHALL BE ON THE PROJECT DURING THE ENTIRE PROCESS AND SHALL SUPERVISE THE PLANTING.
 - PRIOR TO PLANTING, EXAMINE THE AREA FOR OVERHEAD OBSTRUCTIONS WHEN DIGGING AND MOVING. CONTRACTOR SHALL UNDERSTAKE ANY PRUNING REQUIRED TO REMOVE POORLY POSITIONED OR DAMAGED LIMBS. THE CONTRACTOR SHALL IDENTIFY IF THE SPECIES, OR SOME PORTION THEREOF, IS DISEASED. THE CONTRACTOR SHALL IDENTIFY IF THE TREE OR EVERGREEN IS A SAFELY CONCLUSION PRIOR TO PERFORMING ANY WORK. FOR EXAMPLE, IF IT CREATES A LINE OF SIGHT PROBLEM FOR VEHICLES, IF IN THE OPINION OF THE ARBORIST THE TREE OR EVERGREEN IS NOT PLANTABLE THEN THE TREE SHALL NOT BE PLANTED.
 - CONTRACTOR SHALL EXAMINE THE NEW SITE FOR THE TREE'S HABITAT REQUIREMENTS, FOR EXAMPLE: WIND PROTECTION, TIME OF YEAR, SOIL PH, SUNLIGHT AND MOISTURE REQUIREMENTS, PLANT IN EARLY FALL, BEFORE FIRST FREEZE OR IN THE SPRING BEFORE THE HIBS ON THE TREES OR EVERGREENS BEGIN TO SWELL.
 - 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).
- | | |
|-------------------------|-----------------------|
| RIVER BIRCH | SARGENT CRAB TREE |
| HACKBERRY | NINE BARK, BARKS GOLD |
| HAWTHORN | SUMAC SHRUB |
| AMERICAN LINDEN | ARROW WOOD VIBURNUM |
| SILVER MAPLE | WEICELA FORDIA |
| BIRCH OAK | MULCUM YEW |
| RED OAK | SUMATRAN YEW |
| GREEN ASH | ARBOVITAE GLOBE |
| SUMAC | ARBOVITAE TEGERY |
| COLORADO SPRUCE | ARBOVITAE AMERICAN |
| BALSAM | MUCHO PIPE |
| SPRUCE | BOXWOOD WINTERGREEN |
| PNES OF VARIOUS SPECIES | DWARF RED BUCK EYE |
| CRAB APPLE TREE | CRANBERRY VIBURNUM |
| EMERALD ARBOVITAE | |
- THE CONTRACTOR SHALL PREPARE A DESIGN OF THE PLANTED TREES AS IT FITS ON THE PROPERTY BY AN ASSOCIATED LANDSCAPER. THE DRAWING SHALL BE GIVEN TO THE ENGINEER.
 - THE CONTRACTOR SHALL GET APPROVAL FOR PLANTING FROM THE CITY OF NAPERVILLE PRIOR TO PLANTING.
 - THE CONTRACTOR SHALL IDENTIFY WHAT TYPE OF TREE SHALL BE PLANTED AND PREPARE TREE FOR SHIPPING AND PLANTING.
 - THE CONTRACTOR SHALL MAINTAIN ALL ACTIVITIES WITHIN THE EASEMENTS OR PUBLIC WAYS ANY AND ALL OTHER MEANS TO PERFORM THE WORK. AS AT THE CONTRACTOR'S EXPENSE AND SHALL OBTAIN PERMISSION FROM ALL LAND OWNERS 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 YEAR.
 - 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 AT 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.
 - SEE SPECIFICATION 56270-1210 FOR ADDITIONAL REQUIREMENTS AND BASIS OF PAYMENTS.
- CONTRACTOR SHALL FOLLOW SPECIFICATION OF TREE, SHRUB AND EVERGREEN PRESERVATION REQUIREMENTS, CONTRACTOR TO PROVIDE TREE SURVEY.

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 4 of 11
		56270-1000

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 5 of 11
		56270-1000

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	TRANSMISSION LINE LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)	DATE: 05-01-05
ELECTRIC STANDARDS		Page 6 of 11
		56270-1000

WF# INFORMATION	
WF# 59481 WASHINGTON ST. 75TH TO OLYMPUS DR. EAST SIDE	JOB 1 EU-73
WF# 59482 75TH WASHINGTON ST. TO OLYMPUS DR. NORTH SIDE	JOB 2 EU-73
WF# 59483 75TH WASHINGTON ST. TO CLYDE DR. SOUTH SIDE	JOB 3 EU-73
WF# 59485 WASHINGTON ST. 75TH TO BAILEY RD. EAST SIDE	JOB 4 EU-73

CITY OF NAPERVILLE/DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC					
CAL. JULY 1.1.E. 48 HRS. PRIOR TO CONSTRUCTION					
PROJECT TITLE 75TH ST. AND WASHINGTON ST. ROAD IMPROVEMENTS	MAP NO. -	CAD FILE D056270001D69.DWG	DATE 4-01-05	WORK REQUEST NO. 56270	CHWD -
PROJECT DESCRIPTION TRENCH SECTION DETAILS	DRAWN BY J.C. PM	PROJECT NO. EU12-05-03	ISSUED -	APPROVED -	COMPLETED BY -
ISSUE -	DATE -	SCALE -	ENGINEER RPS	APPROV. -	SHEET 69 OF 73
REVISION -					