#### LANDRCAPING

THIS SPECIFICATION COVERS THE REQUIREMENTS FOR THE INSTALLATION FLUWERS, PLANTS, TREES, SHRUBS, EVERGREENS AS PART OF THE ELECTRIC LANDSCAPE WORK ASSOCIATED WITH OVERHEAD AND UNDERGROUND LIKES AND PELATED 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 SKILLEUL 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.
- CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ALL AREAS OUTSIDE OF THE WORK AREAS AND ANY DAMAGE THERETO 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 HIS ORIGINAL CONDITION. ALL DEERIS, EXCESS EXCAVATED MATERIAL, AND ALL DIMER 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, MILICH OF ALL TYPES, PULVERIZED BLACK DIRT, INECS, FENCE INSTALLATION AND REMOVAL, FLOWERS, SHRUBS, EVERGELIN IRLES 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 DRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL INTERFER HONIZER A MINIMUM OF TWO DAYS IN ADVANCE OF REMOVAL OF TREES THAT AFFECT SAFETY. THE CONTRACTOR SHALL LERCISE EXITERED CARE WHITE WORKING PREAD SHED SHOT SCHEDULED FOR REMOVAL AND SHALL REPLACE ANY DAMAGED PLANTS AT HIS OWN EXPENSE. THE CONTRACTOR SHALL PROTECT ALL OTHER TREES, BUSHES AND LANDSCAPING FEATLRES. TREES REMOVED OR DAMAGED BY AND EXCENSE. THE CONTRACTOR SHALL PROTECT ALL OTHER TREES, BUSHES AND LANDSCAPING FEATLRES. TREES REMOVED OR PARAMEDE BY LECTURE OF THE CONTRACTOR SHALL BROTECT ALL OTHER TREES, THE SAFE ACTION TO AN OF SHEARS OR CONTRACTOR THAT HAVE NOT SHALL BE DONE IN A NEXT AND CLEAN MANKER (I.e., WITH A SAW DESIGNED FOR PRUNING OR SHEARS OR LOPPERS) AND NOT TORN, PULLED, OR BROKEN WITH CONSTRUCTION CONTRACTOR. THE ARROYS SHALL BROWNER WITH CONSTRUCTION CONTRACTOR. THE ARROYS SHALL BE DONE IN A NEXT AND CLEAN MANKER WITH CONSTRUCTION TO SHEARS OR LOPPERS) AND NOT TORN, PULLED, OR BROKEN WITH CONSTRUCTION FOR ALL TREES AND EVERGREEN PRIOR TO AND EXCENSE SHALL DENDING OR SHEARS OR LOPPERS) AND NOT TORN, PULLED, OR BROKEN WITH CONSTRUCTION FROM THE ARBORIST SHALL DENDING THE TREE PROMOVAL, TRIMMING AND PROVINGE SHALL DENDING THE TREE PROMOVAL, TRIMMING AND PROVINGE AND EVERGREENS PRIOR TO CREMOVAL TRIMMING AND PROVINGE AND PROVINGE AND PROVINGE AND EVERGREENS PRIOR TO CREMOVAL. GAMOVAL, TRIMINIO AND THE REES AND EVERY-REN'S PRIOR TO REMOVAL, TRIMINIO AND OR PROVING 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 PROVIREMENTS IN PLAN DRAWINGS OR AS DIRECTED BY THE BIOCHIEFE TO

III. TREES AND EVERGREENS (CONTINUED):

IV. PLANTING

# NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS

THE CONTRACTOR SHALL NOTE THAT SOME LANDSCAPING MATERIALS MAY BE REQUIRED TO BE TRANSPLANTED THEN ALL RULES, RECULATIONS, PAYMENT, CUARANTEES, WATERING 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 ACTIVITIES SHALL BE DIRECTED AND PERFORMED UNDER THE SUPERVISION OF THE ARBORIST AND LANDSCAPE ARCHITECT SEE DRAWING FOR PARTICLARS. TRANSPLANTING SHOWN ON THE DRAWING, AND NOT DENTITLED UNDER A UNIT PRICE ARE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT AND SHALL NOT BE PAID FOR SEPARATION.

IF THE SOIL AT HAND IS NOT SUITABLE FOR PLANTING, A SUITABLE LIGHT RICH SOIL SHALL BE SUPPLIED. THE BACKFILL SOIL SHALL BE FREE OF SOO, LUMPS, CLODS, 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 FOUNTAINT, 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 DUS SO THAT NO DELAY WILL OCCUR WHEN THE STOCK IS FEAD TO SE PLANTING ALL PITS SHALL BE DUG AT LEAST ONE FOOT WIDER THAN THE D'AMETER OF THE SALL THE PLANTING PIT SHALL BE DEEP ENCOUGH TO PROVIDE PROPER DRAINAGE, TO ALLOW FOUR INCHES OF GOOD SOIL BENEATH THE SALL AND TO PERMIT THE PLANTING WHEN IT HAS SETTLED TO STAND AT THE ESTABLISHED GRADE AT THE SAME DEPTH AS IT OR GINALLY GREW.

IF THE SOIL CONDITION IN THE PITS ARE SUCH THAT ADDITIONAL DRAINAGE IS REQUIRED TO ENSURE SUCCESSFUL GROWTH, SUITABLE DRAINAGE SHALL BE PROVDED 3° THE CONTRACTOR, WHATEVER TYPE OF DRAINAGE IS PROMIDED SHALL ELIMINATE SUPERFULIUS WATER IN THE PIT AND DRAIN AWAY FROM THE PLANTING STEE, EACH TREE SHALL BE PLANTED SO AS TO STAND DIRECTLY WHERE STAKED AND AT THE ESTABLISHED GRADE.

#### L SENERAL (CONTINUED)

- 9) TREES SHALL BE INSTALLED A MINIMUM OF FIVE FEET HORIZONTALLY FROM SANITARY SEWERS, SANITARY SERVICES, WA'ER MAINS, AND WATER SERVICES. TREES SHALL BE INSTALLED A MINIMUM OF TEN SEET HORIZONTALLY FROM UTILITY STRUCTURES AND APPLIETAMACES, INCLUDING, BUT NOT LIMITED TO, MARHOLES, VALVE VAULTS, VALVE BOXES AND FIRE HYDRANTS
- INCLUDING, BUT NOT LIMITED TO, MANHOLES, WALVE WALTES, VALVE SCIES AND FIRE HYDRAMTS. 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 LANDSCAPER ARCHITECT, PLUS A STATE AND COUNTY LICENSED, CERTIFIED AND CAPPROVED LANDSCAPER ARCHITECT SHALL OVERSEE ALL RESTORATION REQUIRED ON THE PROJECT AS IT RELATES TO SURFACE RESTORATION, PECOLATION PERTURES, PROVIDE LANDSCAPING DESCRIPS, GARDENS, AND TREES AND SURCEITABLY DECENTAGE FOR THE PROJECT AS IT RELATES TO SURFACE RESTORATION.

  DIRECT PRUNING AND TRIMMING CERRATIONS TO NO. AND THE REST PROJECTION, AND TREES AND WHEN IT COMES TO SURFACE RESTORATION, VECETATION, TREES AND PLANTS. THE ARBORIST AND/OP ARCHITECT SHALL WRITE REPORTS WITH RECOMMENDATIONS, CALUSE AND EFFECT PRUNING AND THE ARBORIST AND CONTROL AND STATE AND THE RESTORATION FOR THE ARBORIST AND PROVIDE POSSIBLE SOLUTIONS WITH OPTIONS OF ALL WORK BEIND DONE OR PROPOSED WHEN PROGUESTED TO DO SO BY THE OWNERS. THE REGISTERION NUMBER AND NAME OF THE REGISTERED LANDSCAPE ARCHITECT SHALL BE PROVIDED PROVIDED TO STATING WORK, IN ADDITION, THE CONTRACTOR SHALL PROVIDE THE ARBORIST MANK AND THE ARBORIST AND PROVIDE POSSIBLE SOLUTIONS WITH OPTIONS OF ALL WORK BEIND DONE OR PROPOSED WHEN PROGUESTED TO DO SO BY THE OWNER. THE REGISTERION NUMBER AND NAME OF THE REGISTERED LANDSCAPE ARCHITECT SHALL BE PROVIDED PRIOR TO STATING WORK, IN ADDITION, THE CONTRACT.
- AL. PESIDIATION SHALL NOT BE DONE EXCEPT FOR PREP WORK OF THE AREA, PRUNING OR IRVINING WHEN THE SUMMER SEASON TEMPERATURE SHALL EXCEED BS DEGREES FAHRENHEIT OR BELOW 40 DEGREES FAHRENHEIT WINTER TEMPERATURE ALL RESTORATION SHALL START BY APRIL I AND STOF BY NOVEMBER 15, OR SOONER AS WEATHER FERMINS, IF WINTER APPRIL I AND STOF BY NOVEMBER 15, OR SOONER AS WEATHER FERMINS, IF WINTER SHALL I RESTORATION WORK, FOLLOWING THE WINTER SEASON THE CONTRACTOR SHALL RESUME 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 BEDING THE WORK TO BE DONE OR MORE AND SHALL BE PAID WHEN THE WORK IS COMPLETED. THE GUARANTEE SHALL BE FROM THE DATE THE FUGINEER 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 HOOT ARTICLE 201.04 OF THE STANDARD SPECIFICATIONS.
- 13) 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 BETTLE INFESTATION AND SOUND TREE FOR STRUCTURAL SUITABILITY AND GENERAL CONDITION OF TREE BEFORE CLUBBING 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 HIGNEST 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 NAMETER FOR TREE REMOVAL/INSTALLATION, 6-12 TIGH DIAMETER, AND 13-30 INCH DIAMETER, WHICH SHALL BE FULL COMPENSATION FOR ALL MALERIALS, LABON, COUPMENT AND APPURTENANCES NECESSATY TO COMPLETE THE WORK.
- CONTRACTOR IS ACVISED TREE REMOVAL OR INSTALLATION REQUIRES THAT ALL UTILITIES ARE TO BE IDENTIFIED PRIOR TO REMOVAL AND PROVIDE PROPER PROTECTION (WOOD LAGGING GROUND
- 19) CONTRACTOR SHALL SUPPLY ALL LANDSCAPING MATERIALS.

IV PLANTING (CONTINUED)

RIVER BIRCH HACKBERRY HAWTHORN AMERICAN LINDEN SILVER MAPLE PIN OAK RED OAK GREEN ASH

SUMAC COLORADO SPRUCE BALSAM SPRUCE PINES OF VARIOUS SPECIES

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6) THIS WORK SHALL CONSIST OF PLANTING TREES AND EVERGREENS OF VARIOUS SIZES AND TRUNK DIAMETER. THE CONTRACTOR SHALL CARD ULLY EXAMINE THE PROPOSED LOCATION FOR FOREIGN UTILITIES, ROOM FOR GROWTH, SUITARIE PRANMAGE AND SULUGIST OR SHADL THE ARBORIST SHALL DE 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 ANY PRUNING REQUIRED TO REMOVE POORTY POSITIONED OR DAMAGE LIMES THE CONTRACTOR SHALL DESTRY IF THE SPECIES, OF SOME PORTION THEREOF, IS DISEASED. THE CONTRACTOR SHALL DETERMINE IF THE TIREE OR EVENGREEN IS A SWELTY CONCERN PRIOR TO PERFORMING ANY MORK, FOR SMAPLE, IF IT CREATES A LINE OF SIGHT PROBLEM FOR VEHICLES, IF IN THE OWNING OF THE ARBORIST THE TREE OR EVENGREEN IS NOT HELANDRIGHT FROM SHALL NOT BE PLANED.

6) CONTRACTOR SHALL EXAMINE THE NEW SITE FOR THE TREE'S HABITAT REQUIREMENTS. FOR EXAMPLE: WIND PROTECTION: TIME OF YEAR, SOIL PH, SUNICHIT AND MOISTURE REQUIREMENTS. PLANT IN EARLY FALL, BEFOR FIRST TREEZE OR IN THE SPRING BEFORE THE BUDS ON THE TREES OF EVEROREENS SECION TO SWELL.

THE CONTRACTOR SHALL BE REQUESTED TO PLANT THE FOLLOWING TIRE OR EVERGREEN SPECIES: USE 15 GALLON SIZE OR 4' HIGH ON 4" DIA. AS MEASURES (DWARF RED BUCK EYE).

SARGENT CRAB TREE
NINE BARK DAIRTS GOLD
SUMAG SMOOTH
ARREA WAR SHOOTH
ARREA SOFTINA
NAME OF THE SHOOTH
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#### LANDSCAPING OVERHEAD OR UNDERGROUND UTELITIES DEPARTMENT ELECTRIC STANDARDS

IV. PLANTING (CONTINUED):

III. TREES AND EVERGREENS

II. PLANT MATERIAL

THE CONTRACTOR SHALL INVESTIGATE SOURCES OF SUPPLY TO ENSURE THAT ALL THE PLANTS DESIGNATED ON THE PLANTING LIST IN THE SIZE, WARRETY, AND QUALITY MOTED AND SPECIFIED ARE AVAILABLE. PALLURE TO TAKE THIS PERCALUTION WILL, NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO FURNISH AND INSTALL ALL THE PLANT MATERIAL INSTRICT ACCORDANCE WITH THE CONTRACT REQUIREMENTS. AND WITHOUTDORDIONAL EXPENSE TO THE OWNER.

ALL STOCK FURNISHED SHALL BE WELL SHAPED PLANTS AND MUST BETRUE TO NAME, ONE OF EACH SIZE SHALL BE LEGBLY IAGGED WITH A WEATHER PROOF FAC STATING FALL SIZE AND STANDARD BOTANICAL NAME AS RECOVENEDED BY THE AMERICAN ASSOCIATION OF UNDESCRIVEN.

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 ASSOCIATION.

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 REMOYED BY THE CONTRACTOR AND AMBEDITELY REFLACED AT THE CONTRACTOR'S EVENUE WITH FLANS MEETING THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. THE DECISION OF THE OWNER'S REPRESENTATIVE SHALL BE FINAL.

ALL PLANTS SHALL BE DLG WITH REASONABLE CARE AND SKILL IMMEDIATELY PREVIOUS TO SHIPMENT, OF, IF DUE IN ADVANCE, ROOTS MUST BE CAMEFULLY PROTECTED AT ALL TIMES TO PREVENT EXCESSIVE DRYNNS AND LOSS OF VATALITY, ADDIS SHALL AND BE SPLIT NOR SHALL AND ROOTS OVER ONE-HALF INCH DAMPETER BE CUIT OR BROKEN, SPECIAL PRECAUTIONS SHALL BE TAKEN TO A VOID ANY LANGESSARY MUSIPAY TO OR REMOVAL OF FIBROUS ROOTS.

EACH SPECES OR VIRIETY SHALL BE HANDLED AND PACKED IN THE APPROVED MANNER FOR THAT PLANT, HAVING REGARD ID THE SOIL AND CHARTE CONDITIONS AT THE TIME MAD PLACE OF PLACE OF THE THIRE HAD PLACE OF THE THIRE HAD PLACE OF THE THAT THE PARTY OF THE THAT THE PLANT OF THE PARTY OF THE

- ALL TREES AND SHRUBS 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 INTERPRINE BRANCHES AND BAD CROTCHES, BUT SHALL NOT CHANGE THE NATURAL GROWTH OR A PERRANCE OF THE PLANI.
- ALL TOP THINNING OR PRUNING SHALL 9E PERFORMED WITH THE PROPER TOOLS, PRUNING SHEARS OR LOPPING TOOLS. NORVAL TOP PRUNING OF BALLED STOCK WILL REQUIRE REMOVAL OR APPROXIMATELY ONE QUARTER OF THE BRANCHES, OF BARE ROTED STOCK APPROXIMATELY ONE THIRD OF THE BRANCHES, ALL PRUNING WOUNDS SHALL BE "ANITED WITH AN APPROXID TIRE WOUND DERSING.

### V. FERTILIZER

FERTILIZER SHALL BE A CONTROLLED RELEASE TYPE, SUCH AS MAGAMP, DISTRIBUTED BY JIFFY PRODUCTS OF AMERICA, P.C. BOX 338, WEST CHICAGO, ILLINGIS 60185, OR APPROVED EQUAL, THE FERTILIZER SHALL BE PLACED DIRECTLY NTO PLAYTING PTS IN QUANTITIES AND METHOD AS SHOWN ON PLAN.

### APPLICATION RATES AND METHODS FOR MAGAMP

E.	a) 10 :N. 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.
	c) 16-20 IN. BALL	8 OZS. COARSE	PLACE IN BOTTOM OF PLANTING PIT PRIOR TO PLANTING.
	d) 2 FT. BALL	t0-12 0ZS. 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 IN. TO 8 FT. TALL	2 DZS, TO 2 LBS, COARSE	PLACE IN BOTTOM OF PLANT:NO PIT AND COVER WITH \$\frac{1}{2}\$ TO 1 IN. SOIL BARRIER.

### VI. INSPECTION

INSPECTION OF ALL STOCK MAY BE MADE AT POINT OF ORIGIN OR POINT OF DELIVERY, OR SIGTH 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 WHENEVER SUCH EXAMINATION IS DEEMED DESIRABLE, FIRMAL INSPECTION WILL BE MADE BY THE SAME REPRESENTATIVE WHEN THE MATERIAL IS DECURPED. THE OWNER RESERVES THE RIGHT TO REJECT ALL STOCK WHICH IS FOUND UNSASTIFACTION? UPON DELIVER

### VII. DELIVERY

- ALI, PLANTS SHALL BE PACKED FOR DELIVERY TO ENSURE ADEQUATE PROTECTION AGAINST CLIMATIC, SEASONAL, OR ANY OTHER INJURY DURING TRANSIT. THE ROOTS OF BANKE-HOOFIGE STOCK SHALL BE CAREFULLY PROTECTED WITH WET STRAW, MOSS OR OTHER SUITABLE PACKING WATERIAL 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 CANAVA OR OTHER ACCEPTED METHODS IN TRANSIT, AND UNLOADING AT THE POINT OF DELIVERY.
- 2) 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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### IL 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, AUGURING SHALL WILL EXTEND THE FULL
	LENGTH OF THE DRIP LINE OF THE TREE AND PASS NO CLOSER THAN 4 FEET 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 NO ADDITIONAL COST TO THE OWNER. THE DIRECTIONAL BORING TECHNIQUE MAY BE
	CONSIDERED AND PERFORMED WITH THE ENGINEERS 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.

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FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

- GRADED.

  SHRUBS, BUSHES, FLOWERS, PLANTS, SMAIL, TREES AND SMAIL 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 VAIRELY, SAME SIZE IN HEIGHT, SAME SIZE IN WIDTH, AS COVERNED BY ARTICLE 1081-01 (a), TYPES 1, 2, 3, AND 4, OF THE KLINNIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OR FURNISH, DELIVER AND PLANT, AT LOCATIONS DESIGNATED BY THE EMBRIER, A NUMBER OF FLANTS OF THE SAME SPECIES AND FLANT, AT LOCATIONS DESIGNATED BY THE EXCHAINTS SHALL EQUAL THE MEASUREMENT OF THE FLANT TO BE REPLICADED, MEASURED ADOVE. THE EXCAVATION FOR THE SHRUBS, BUSHES, FLOWERS, PLANTS, SMAIL TREES AND SMALL EYEGREENS SHALL BE TWICE THE SIZE OF THE ROOT BALL AND THE EXISTING GROUND MATERIALS REMOVED FROM THE SIZE AND NEW POLVERIZED DIRT WITH THE PROPER INTERINIST ADDED, SUPPORTED BY ROPE THE DOWN, STICKS AND 3 INCH THICK BED OF MULCH AROUND THE PLANT COVERING THE EXCAVATED AREA, PLUS WAITERING FOR 2 MONTHS UNDER THE DIRECTION OF AN ABBORIST, LAL SHRUBS, BUSHES, FLOWERS, PLANTS, SMALL TREES, SMAIL TREES, SMAIL TREES, SMAIL TREES, SMAIL TREES, SMAIL TREES AND EXPERIENCE OF THE COURT OF THE PROPERTY O
- THE CONTRACTOR STALL REPLACE ALL EXISTING LANDSCAPING SUCH AS: BLACK DIRT, GRASS, PLANTS, TREES, SHRUBS, EVEROREENS, GARDENS, VICETABLE CARDENS, WINES, BUSHES, FLOWERS AND ROCK CARDENS REWOVED OF DAMAGED, INE CONTRACTOR SHALL WISEOF THE ENTIRE PROJECT TO DETERMINE ALL THE TYPES OF LANDSCAPING PRIOR TO STATTING THE WORK, FALLURE TO DO SO SHALL REQUIRE THAT ALL LANDSCAPING CLAMBE TO DE DAMAGED SHALL BE CONSIDERED DAMAGED AND REPLACED AT THE CONTRACTOR STALL BE RESPONSIBLE FOR LANDSCAPING CARE OF ALL TYPES AND VARIETY OF LANDSCAPING URRING THE PERIOD OF ESTABLISHMENT FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE CONTRY WITH REQUIREMENTS FOR REMOVAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL AND REPLACED LANDSCAPING AND SHALL BE RESPONSIBLE FOR INTIAL REQUIREMENTS.
- 5) ALL LANDSCAPING MATERIALS SHALL CARRY A ONE YEAR AND SIX MONTHS QUARANTY FROM FINAL PAYMENT AND/OR FROM THE DATE THE ENGINEER SIGNS THE AS BUILT DRAWING ACCEPTING THE WORK.

ROOT PRUNING USING AN APPROVED MECHANICAL ROOT PRUNING SAW, OR LOPPER AS DIRECTED BY A REGISTERED ARBORIST, SHALL BE PERFORMED PRIOR TO DISCING WHERE NOTED ON THE PLANS, PER CUSTOMER REQUEST OR AS DIRECTED BY THE ENGINEER. WHEREVER ROOTS OF PLANT MATERIAL ARE TO REMAIN EXPOSED DURING CONSTRUCTION. THE DAMAGED ROOTS ARE TO BE REMOVED BY CUTTING THEM COLEANLY, PRUNING SHALL BE DONE IN THE PRESENCE OF THE ENGINEER AND/OR REGISTERED ARBORIST / IN SUCH A MANNER AS TO PRESENTE THE NATURAL GROWTH HABIT.

ANY DAMAGE TO THE ROOT ZONE, AS DETERMINED BY THE ENGINEER AND/OR ARSORIST SHALL BE COMPENSATED BY PRUNING AN EQUIVALENT AMOUNT OF THE TOP VEGETATIVE GROWTH OF THE PLANT MATERIAL WITHIN 1 WEEK FOLLOWING ROOT DAMAGE. FERTILEZER NUTRIENTS SHALL BE APPLIED WITHIN 48 HOURS AFTER ROOT DAMAGE OCCURS. A FERTILEZER WITH A 1:1:1 RATION SHALL BE APPLIED AT THE RATE OF 5 L95. OF NUTRIENTS PER 1000 SO, FI.

APPLICATION SHALL BE ACCOMPLISHED BY PLACING DRY FERTILIZER IN HOLES IN THE SOIL HOLES SHALL BE 8 TO 12 INCHES DEEP AND SPACED 2 FEIT APART IN AN AREA BEGINNING 30 INCHES FROM THE BASE OF THE PLANT. HOLES CAN BE PUNCHED WITH A PUNCH BAR, DUG WITH A SPACE, DRILLED WITH AN AUGED OF ARY METHOD APPROVED BY THE ENGINEER, APPROXIMATELY 0.02 LB, OF FERTILIZER NUTRIENTS SHALL BE

IN THE CASE OF INADEQUATE RAINFALL, AS DETERMINED BY THE ENCINEER, SUPPLEMENTAL WATER SHALL BE APPLIED WITHIN 48 HOURS OF ANY ROOT DAMAGE. THE WATER SHALL BE APPLIED AT THE RATE OF 2 GALLONS PER SO, YD. OF SUFFACE WITHIN THE ROOT ZONE OF PLANT MATERIAL HAVING SUSTAINED DAMAGE TO THE ROOT ZONE. THERE SUDESCOURT WEEKLY WATERING AT 2 GALLONS PER SO, YD. SHALL BE APPLIED IF DEEMED NECESSARY BY THE ENGINEER, ADDITIONAL WATERING MAY BE REQUIRED. THE ENGINEER SHALL DIRECT

- 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 GROWING.
  F) NOT INFECTED WITH INSECTS OR FUNG.
  G) ALL LANDSCAPING MATERIALS SHALL BE APPROVED FOR PLANTING BY THE ARBORIST AND/OR LANDSCAPE ARCHITECT
- 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 GUARANTEE.

TREES, PLANTS, GRASS, SHRUBS, EVERGREENS, GARDENS, VEGETABLE CARDENS, BUSHES, FLOWERS, AND WINES RESTORATION IDENTIFIED ON THE CONSTRUCTION DRAWING, SHALL BE PAID BY UNIT PRICING, HOWEVER, ALL DISTURBED AREAS 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 DURAGE COUNTY DEPARTMENT OF TRANSPORTATION REQUIREMENTS; THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL AREAS.

ECTRICAL COMPRACTOR IS RESPONSIBLE FOR

LANDSCAPING

OVERHEAD OR UNDERGROUND

(CONSTRUCTION SPECIFICATION)

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 ROODS SPECIFICATIONS" LAYES EDITION. THIS SHALL BE COMPLETED FOR ALL TREES FACERCACHING UPON THE CONSTRUCTION AREA. ANY ROOTS ENCOUNTERED SHALL BE TREATED WITH THIS METHOD AS DIRECTED BY THE CITY. 1) THIS ITEM OF WORK SHALL INCLUDE THE MULCHING OF SEEDED ARRAS ALONG THE PROPOSED IMPROVEMENTS AT THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY

X. MULCHING

COUNTY TOTAL SHEETS SHEET NO

TO STA. 5+50.00

- 2) MATERIALS AND CONSTRUCTION METHODS SHALL MAIEMALS AND CONSTRUCTION METHODS STORE BE IN CONFORMANCE WITH SECTION 25' OF T STANDARD SPECIFICATIONS MULLICH SHALL BE APPLIED AS HYDRALLIC MILLCH AS SPECIFIED BOT ARTICLE 25.03 (c), METHOD 3 OF THE STANDARD SPECIFICATIONS, MULCH SHALL BE APPLIED TO ALL SEEDED AREAS WITHIN 24 HOURS FROM THE TIME STED HAS BEEN
- 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 THE FAIGINGER

### IX. SUPPLEMENTAL WATERING

VIII ROOT PRIMING

THIS WORK SHALL CONSIST OF FURNISHING SUPPLEMENTAL WATERING IN CONFORMANCE WITH 1DOT ARTICLE 252.09 OF THE STANDARD SPECIFICATIONS.

IF THE ENGINEER OR ARBORIST DETERMINE THAT THE HOLE METHOD OF FERTILIZER PLACEMENT IS NO PRACTICAL OR DESIRABLE, AN APPROVED METHOD OF UNIFORM SURFACE APPLICATION WILL BE ALLOW

- MENTAL WATERING WILL BE MEASURED FOR PAYMENT IN UNITS OF 1000 GALLONS OF WATER APPLIED SODDED AREAS.
- CONTRACTOR IS ADVISED SUPPLEMENTAL WATERING IS INCLUDED IN THE UNIT PRICING PER STRUCTURES. ERECTION, OR OTHER REMOVAL AND/OR FOUNDATION INSTALLATION

SUPPLEMENTAL WATERING IS AT THE DIRECTION OF THE ENGINEER.

PLACED BY IN EACH HOLE (250 HOLES PER 1000 SQ. FT.).

DATE: 05-01-06 Page 8 of 11 58199-104 LANDSCAPING MAPERVILLE PURISE OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)

CITY OF NAPERVILLE/DEPARTMENT OF PUBLIC UTILITIES ELECTRIC								
<u>,                                    </u>			CALL	J.U.L	.I.E. 48 HRS.	PRIOR TO CO	NS1 RUCTION	· · · · · · · · · · · · · · · · · · ·
BAILEY		BR	RIDGE	: DU	CTBANK INS	STALLATION	MAP NO.:	OND FILE JUNG 0058199001C18.DWG
COORI	DINA	TED	WIT	H B	RIDGE IMP	ROVEMENT	JK	EU12-06-04
	6-15				WORK REQUEST NO.	CHMDs	99C:	COMPLETED DY:
ISSUED					58199		SCALE :	
ENGINEER MEMBER	RPS	-	-	-	1	[	NTS	SHEET 18 OF 23

## INMEDIATELY AFTER BEING PLANTED, THE TRUNKS OF ALL DECIDUOUS TREES SHALL, BE WRAPPED SPIRALLY WITH CREEP PAPER MANUFACTURED FOR THIS SHALL BE WARPING SHALL BE APPLIED FROM TOP DOWN AND STATED AT A POINT FAR ENDUGH UP IN THE TREE TO BE WELL SHADED BY BRANCHES ARE ALBORD THE WRAPPING SHALL BE BOUND AND PENTORCED WITH STOUT CORD WOUND SPIRALLY IN THE OPPOSITE DIRECTION OF THE WRAPPING PAPER. THE CONTRACTOR SHALL FREPARE 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 SET 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.

- ALL BALLED AND BUPLAPPED SHRUBS SHALL BE PLANTED IN HOLES TWELVE INCHES LARGER IN DUMETER HAN THE BALL, OF ADEQUATE DEPTH, AND WITH PERPSINIOUAN WALLS. THE BALL SHALL BE COVERED TO APPROXIMATELY HERE QUARTERS OF THE DEPTH AND THOROUGHLY WATERED IN PLACE. THE REMAINING ONE OUR THILL SHALL BE DRY SOIL WELL COMPACTED INTO PLACE.
- IN AREAS WHERE THE PLANTING OF BALLED STOCK HAS RESULTED IN AN EXCESSION AMOUNT OF EXTRA SOIL, SUCH EXCESS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR AND DISHOSED OF OFF SHE.
- PLANTING PITS FOR BARE ROOTED STOCK SHALL BE AWPLE TO\_RECEIVE THE PERMITTING MIST FOR BARE KNOWD STUDY OF MALL BE AMMED TO RECEIVE HE 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 COVEYACTED OFF EARTH OT THE LEVEL OF THE FINISHED GRADE, THE PLANTS SHALL BE PLANTED PLUMB AND STRAIGHT.
- ALL DECISIONS BARE REGITED STOCK SHALL BE PROPERLY ROOT PRUNED BEFORE PLANTING TO REMOVE UNDESIRABLE ROOT GROWTH AND TO IMPROVE GROWTH CHARACTERISTICS.

DATS: 05-01-05 Page 5 of 11 58199-104 LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION)

NAPERVILLE PUBLIC
UTILITIES DEPARTMENT
ELECTRIC STANDARDS LANDSCAPING OVERHEAD OR UNDERGROUND (CONSTRUCTION SPECIFICATION) 58199-104

THE CONTRACTOR SHALL MAINTAIN ALL ACTIVITIES WITHIN THE EASEMENTS OR PUBLIC WAYS ANY AND ALL OTHER MEANS TO PERFORM THE WORK IS AT THE CONTRACTORS 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 FERT 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.