DISTRIBUTION AND TRANSMISSION LINE CLEARING AND ENVIRONMENTAL QUALITY PROTECTION

NEW CONSTRUCTION CLEARING PROGRAM

TREES AND VEGETATION WILL BE CLEARED TO REQUIRED CLEARANCES FOR NEW CONSTRUCTION OF FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEARING OF THE RICHT-OF-MAY. IT IS VERY IMPORTANT THAT THE CLEARING BE TOOMER ADRIQUATELY, AS CLEARING ENC. COLUMNITY MAY NOT BY AS READLY ACCESSIBLE, AVAILABLE TO THESE AREAS IN THE TUTUME. ALL TREES SHOULD BE TRIMMED, REMOVED, OR CHEMICALLY TREATED PER SPECIFICATIONS AND AS THEY ARE LISTED IN THIS SOCULARY.

- PRIOR TO PERFORMING ANY WORK A VIDEO SHOWING EXISTING TREES AND VEGETATION FOR ENTIRE LENGTH AND WIDTH OF THE RIGHT-OF-WAY SHALL BE TAKEN AND 2 COPIES MADE AND STORED UNTIL THE FINAL PAYMENT IS
- THE CONTRACTOR'S ARBORIST SHALL IDENTIFY ALL TREES BY HEIGHT, DIAWETER SPECIES, LOCATION AND CENERAL HEALTH. THE ARBORIST TO IDENTIFY ANY TREE THAT IS ENDANGERED BY FEDERAL STATE OR COUNTY LAW, IDENTIFY ALL TREES FOR REMOVAL, TRIMMING, ROOT AND PROVING STO PRIOR TO PERFORMING WORK, PROVIDE THE GITY WITH SKEICH OF ALL TREES AND PLANT GROWTH SHOWN.

GENERAL TREE TRIMMING GUIDELINES

LOW GROWING SHRUBS — SHRUBS WHICH WILL NOT INTERFERE WITH ACCESS, OPERATION OR MAINTENANCE OF THE LINE, SHALL BE LEFT UNDISTURBED.

SLASH — SLASH MAY BE CHIPPED AND BLOWN ON THE RIGHT-OF-WAY IF SO SPECIFIED. IF CHIPPING IS NOT POSSIBLE DUE TO TERRAN OR OTHER CIRCUMSTANCES, THE SLASH WILL BE LOPPED AND SCATTERED ON OUTER LUMITS OF RIGHT-OF-WAY SO THAT ACCESS FOR CREMS WILL NOT BE INHIBITED OR HAULED AWAY TO A LICENST OUMP. STANDARD FRE HAZARD REDUCTION PRACTICES WILL BE EMPLOYED, SUCH AS REMONING LUDDER FISES.

CUTING TREES OUTSIDE THE RIGHT-OF-WAY - DEAD TREES BEYOND THE RIGHT-OF-WAY WHICH WOULD STRIKE THE LINE IN FALLING SHALL BE REMOVED. LEANING TREES BEYOND THE RIGHT-OF-WAY WHICH WOULD STRIKE THE LINE IN FALLING AND WHICH WOULD ROUBE TOPPING IF HOT REMOVED, SHALL EHRE BE REMOVED OR TOPPED. THE LANDOWNERS PERMISSION SHALL BE RECLIVED PRIOR TO CUTTING TREES CUTSIDE OF THE

MONING — MECHANICAL OPERATIONS SUCH AS NOWERS OR BRUSHHOSS, WILL BE UTILIZED WHERE TERRAIN PERMITS, TO MOST SPRIDENTLY USE OUR EQUIPMENT, AND REDUCE HUMAN EXPOSURE TO AZARDOUS CONDITIONS, THE MACHINES WILL BE REQUIRED TO PRODUCE A CLEAN, NEAT LOCKING JUB.

PRINNED STANDARDS AND PRACTICES - ALL PRUNING PRACTICES WILL FOLLOW MODERN GUIDELINES AS PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF ARRONCOLURNE (SA) STANDARDS UNICES A LANDOWNER MAKES A WRITTEN REQUEST OTHERWISE, REFER TO ANSI ASOO (1995), INTERNATIONAL SOCIETY OF ARBORCOLUTURE TREE PRUNING STANDARDS (1995), AND PRUNING TREES NEAR ELECTRIC UTILITY LINES (SHIGE—1990), CORRECT TREE TRIMMING SHOULD PROMOTE TREE ORDITH MARY FROM ELECTRICAL COMMUNICATION, PROMOTE INTER CROWNER AND PROMOTE PRICE OF CLEARAGRE, AND REDUCE PUTURE WORK.

HERBICIDE SPECIFICATION

- GENERAL THE USE OF HERBICIDES IS AN INTEGRAL PART OF A VEGETATION MANAGEMENT PROGRAM. HERBICIDE GENERAL — THE USE OF HERBICIDES IS AN INTERGAL PART OF A VIOCETATION MANAGEMENT PROCESSA, SERBICIDE APPLICATIONS, WILL ES PURSONDED ACCORDING TO FELEVACION, STATE AND LOCAL REQUIATIONS, HERBICIDE, APPLICATIONS WILL BE USED CONSISTENT WITH THEIR DEBUNG, THE LEGEL IS THE LAW HERBICIDE, AND HERBICIDE APPLICATIONS TO THE PROPERTY OF THE
- HERBICIDE APPLICATIONS THE COMPANY MAKING THE APPLICATION IS RESPONSIBLE FOR THE PURCHASE, STORAGE, RECORD KEEPING AND DISPOSAL OF HERBICIDES. HERBICIDES MILL CHLY BE APPLIED BY QUALIFIED APPLICATIONS HERBICIDE CREWS, TREE CREWS, AND MOWING CREWS ARE REQUIRED TO HAVE AT LEAST ONE. MINIMULAL WHO HAS BEEN TRAINED RECARDING THE REPODUCT AND APPLICATION METHOD, AND MEETS ANY REDFEASLY STREET, AND LOCAL LAWS AND REQUIRATIONS, THIS INDIDUDUAL WHO HAS BEEN TRAINED RECARDING THE REPODUCT AND APPLICATION METHOD, AND MEETS ANY REPOSALS, STREET, AND LOCAL LAWS AND REQUIRATIONS, THIS INDIDUDUAL MAY BE REQUIRED TO HOLD A CERTIFIED APPLICATION THIS WILL DIPPENS APPLICATION LICENSE. OR BE UNDER THE DIRECT SUPERVISION OF A CERTIFIED APPLICATION THIS WILL DIPPENS ARE REQUIRED TO HAVE ALMS AND REQUIRATIONS WHERE THE APPLICATION IS MADE. SUPPRISSOR OF QUALIFIED APPLICATIONS ARE REQUIRED TO HOLD A CERTIFIED APPLICATION IS MADE. SUPPRISSOR OF QUALIFIED APPLICATIONS ARE REQUIRED TO HOLD A CERTIFIED APPLICATION IS MADE. SUPPRISSOR OF QUALIFIED APPLICATIONS.

ELECTRIC STANDARDS QUALITY PROTECTION Page 1 of 8 58199-106	NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	CLEARING AND ENVIRONMENTAL QUALITY PROTECTION	Page 1 of 8 58199-106	
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GENERAL

THE ASSIGNED CONTRACTOR SHALL PLAN, COOFDINATE, AND CONDUCT HIS OPERATIONS IN A MANNER WHICH PROTECTS THE QUALITY OF THE ENVIRONMENT AND COMPUTES WITH ENVIRONMENTAL EXPECTATIONS. "THE SPECIFICATION CONTRACT CONTROLS ON STRUCTURE WITHIN THE INTENT OF THESE REQUIREMENTS, WILL DRECT CHANGES TO OPERATION FOR THE CONTRACTOR FALLS TO OPERATION HITCHIN THE TITLE THE CONTRACTOR FALLS TO OPERATION HITCHIN THE WITH SUSPENSION UNTIL CORRECTION OF RELEGIAL ACTION IS TAKEN BY THE CONTRACTOR FALLS OF THE CONTRACT OF COMPLINES WITH THESE SPECIFICATIONS ARE INSERTING WHICH CONTRACT OF PULLON SPECIFICATION OF THE INSERT SPECIFICATION OF THE CONTRACT OF PULLON SPECIFICATION OF THE CONTRACT OF TH

REGULATIONS

THE ASSIGNED CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL STATE, AND LOCAL ENVIRONMENTAL AND ANTI-POLLUTION LAWS, REGULATIONS, AND ORDINANCES RELATED TO ENVIRONMENT PROTECTION AND PREVENTION, OCRINOL, AND ABAITMENT OF ALL FORMS OF POLLUTION.

USE AREAS

THE ASSIGNED CONTRACTOR'S USE AREAS INCLUDE BUT ARE NOT LIMITED TO SITE OFFICE, STOP, MAINTENAN PARRONG, STORAGE, STAGNIG, ASSEMBLY AREAS, LITTY SERVICES, AND ACCESS ROADS TO THE USE AREAS. I CONSTRUCTION CONTRACTOR SHALL SUBMIT PLANS AND GRAWINGS FOR THEIR LOCATION AND DEVELOPMENT THE ENGINEER AND PROJECT SHALLS SEE APPROVAL SECONDARY CONTAINMENT WILL BE PROVIDED FOR FURNING FURNISHED TO SECONDARY TO THE ADMINISHMENT SHALL BE PROVIDED FOR FURNING FURNISHMENT SHALL BE PROVIDED FOR FURNING FURNISHMENT SHALL BE PROVIDED FOR FURNISHMENT SHALL BE P

EQUIPMENT

ALL MAJOR EQUIPMENT AND PROPOSED METHODS OF OPERATION SHALL BE SUBJECT TO THE APPROVAL OF CITY. THE USE OR OPERATION OF HEAVY EQUIPMENT IN AREAS CUSTIBLE THE RICHL-OF-WAY, ACCESS ROUTES, OR STRUCTURE, POIL. OF TOWER SITES WILL NOT BE PERMITTED WITHOUT PERMISSION OF THE COT INSPECTOR OF HELD ENGINEER. HEAVY EQUIPMENT USE ON STEEP SLUPES (GREATER HAN ZO PERCENT) AND IN WET AREAS WILL BE TRACT TO THE MANNING TO THE THE APPROVED LIKE STEPS WILL BE TAKEN TO LIKE TO THE MAJOR SHOWN LIKE STEPS WILL BE TAKEN TO LIKE TO THE MAJOR SHOWN LIKE STEPS WILL BE TAKEN TO LIKE TO THE MAJOR SHOWN LIKE STEPS WILL BE TAKEN TO LIKE THE APPROVED WILL BE TAKEN TO APPLY AND PROVIDED APPLY HAVE COMPANY LOVED AND SHOWN AND SEDMENT CONTROLS WILL BE TAKEN TO APPLY AND APPLY

NO SUBSURFACE CROUN-DISTURBING EQUIPMENT OR STUMP-REMOVAL EQUIPMENT WILL BE USED BY CONSTRUCTION FORCES EXCEPT ON ACCESS ROADS OR AT THE ACTUAL STRUCTURE, POLE, OR TOWER SITES, WHERE ONLY FOOTING LOCATIONS AND CONTROLLED RUNDER PUPPRSHORS SHALL BE CREATED THAT DISTURB THE SOIL. ALL OTHER AREAS OF GROUND COVER OR IN FLACE STUMPS AND ROOTS SHALL REMAIN IN PLACE. (NOTE TRACKED VEHICLES DISTURB SURFACE LYPER OF THE CROUND DUE TO SIZE AND FUNCTION). SOME DISKING OF THE RIGHT-OF-WAY MAY DOCUMP FOR PROPER SEEDBED PREPARATION.

UNITESS PONDING PERMOUSTY OCCURRED (i.e., EXESTING LOW-LYING APEAS), WATER SHOULD NOT BE ALLOWED TO POND ON THE STRUCTURE SITES EXCEPT AROUND FOUNDATION HOLES; THE WATER MUST BE DIRECTED AWAY FROM THE SITE IN AS DISSERSED A MANURE AS POSSIBLE. AT POLS OR STRUCTURE SITES SOME VEARS OF UPSLOPE INTERRUPTION OF POTENTIAL, OMERLAND FLOW AND DIVERSION AROUND THE FOOTINGS SHOULD BE PROVIDED AS THE FIRST STEP IN CONSTRUCTION—SITE PERFEATION. IF LEVELING IS INCECSARY, IT MUST BE IMPLIFABILED BY MEANS THAT PROVIDE FOR CONTINUOUS SENTIE, CONTROLLED, OVERLAND FLOW OR PRODUCTION A GOOD OWNER COVER, STRUCK, GRANCE, OR OTHER PROTECTION OF THE SUPPACE MUST SE MAINTAINED. SIEPS TAKEN TO PREVENT INCERASES IN THE MOISTURE CONTENT OF THE IN-STU SOILS WILL BE DIRECTIONAL FORTH CONTROLLED OF THE IN-STU SOILS WILL BE DIRECTIONAL FORTH CONTROLLED.

REFUSE DISPOSAL

THE CONTRACTOR PERSONNEL SHALL BE RESPONSIBLE FOR DAILY INSPECTION, CLEAVUP, AND PROPER LABELING, STORAGE, AND DISPOSAL OF ALL REFUSE AND DERRIS PRODUCED BY HIS CPERATIONS AND BY HIS EMPLOYETS. SUITABLE REFUSE COLLECTION FACILITES WILL BE RESOURCE OUNLY STATE—APPROVED DISPOSAL ARRAS SILLY BE VISUAL DISPOSAL CONTINUERS SUCH AS DIMESTERS OR ROLL—OFF CONTAINERS SHALL BE OBTAINED FROM A PROPER WASTE DISPOSAL CONTINUERS OF THE PROPER WASTE DISPOSAL CONTINUERS OF THE PROPER WASTE DISPOSAL CONTINUERS. SPECIAL CONTINUENCE OF THE PROPER WASTE DISPOSAL CONTINUENCE OF THE PROPER WASTE DISPOSAL CONTINUENCE OF THE PROPERTY OF THE PROPERTY AND MUST BE PROPERLY AS A SCRAP ARE ART OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY MANAGED WITH LAST SCRAP ARE ART OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY BANAGED WITH A SCRAP ARE ART OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY BANAGED WITH A SCRAP ARE ART OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY BANAGED WITH A SCRAP ARE ART OF THE POTENTIAL OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY BANAGED WITH A SCRAP ARE ART OF THE POTENTIAL OF THE POTENTIAL REFUSE CHIEFARTO AND MUST BE PROPERLY.

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HERBICIDE REPORTS - ALL HERBICIDE APPLICATION OF CONTRACTORS WILL BE REPORTED TO THE CITY USING THE CONTRACTOR'S HERBICIDE REPORT. REPORTS WILL BE SUBMITTED TO CITY ON A WEEKLY BASIS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REPORTS FOR REVIEW BY THE STATE DEPARTMENT OF ADRICULTURE.

TREE REMOVAL - TREE REMOVAL ELIMINATES HAZARDOUS CONDITIONS, MAPROVES ACCESS TO FACILITIES AND REDUCES FUTURE WORK. TREE REMOVALS WILL BE PURSUED WHEREVER FEASIBLE.

 $_{\rm O})$ TREES THAT ARE LOCATED AT HOMES, SCHOOLS, PARKS, AND BUSINESSES OR OTHER AREAS, WHICH CHILDREN MAY CLIMB EASILY AND CONTACT PRIMARY CONDUCTORS.

b) CLIMBABLE TREES OR TREES WITH TREE HOUSES THAT ARE CLOSE TO PRIMARY CONDUCTORS.

c) FAST GROWING TREES THAT MAY INTERFERE WITH PRIMARY CONDUCTORS BEFORE THE NEXT MAINTENANCE

e) IMMATURE TREES THAT ARE NOT PRESENTLY INTERFERING WITH PRIMARY CONDUCTORS, BUT COULD AT THEIR MATURE HEIGHT.

f) DEAD, DYING, DISEASED, DEFORMED AND UNSTABLE TREES WHICH HAVE A HIGH PROBABILITY OF FALLING AND CONTACTING PRIMARY OR SECONDARY CONDUCTORS.

a) TREES THAT REQUIRE EXTENSIVE DROP-CROTCH TRIMMING.

a) TREE REMOVALS SHOULD BE LIMITED TO FEN FEET EITHER SIDE OF DISTRIBUTION CONDUCTORS AND WITHIN TRANSMISSION PIGHTS OF WAY, EXCLUDING DANGER TREES, SEE 50281-117 PRESERVATION OF TREES, SHRUBS AND EVERDEFENS.

b) DANGER FRES (CUTSIDE OF THE RICHT-OF-WAY) SHOULD ONLY BE REMOVED IF THERE IS A THREAT OF THE TREE OR LIMBS FALLING AND CONTACTING THE PRIMARY CONDUCTOR AND REQUIRE LANDOWNER PERMISSION.

c) LOW CROWING COMPATIBLE SHRUBS OR TREES WHOSE MATURE HEIGHT IS LESS THAN 25 FEET SHOULD NOT BE REMOVED. THERE WILL BE STANDING WHERE THIS TYPE OF VEGETATION SHOULD BE REMOVED FOR ACCESS TO FACULTIES OR POLE CLEARING REQUIREMENTS.

d) STUMPS SHALL BE OUT AS CLOSE TO THE GROUND AS PRACTICAL OR REMOVED.

e) ALL DECIDIOUS TREES, BRUSH AND WINES THAT ARE REMOVED MAY REQUIRE STUMP TREATMENT WITH AN APPROVED HERBICIDE MIX. HERBICIDE APPLICATIONS REQUIRE SIGNED PERMISSION FROM THE PROPERTY OWNER OR COUNTY.

f) TREE REMOVAL REQUIRES PERMISSION FROM THE PROPERTY OWNER, ON TRANSMISSION LINES ONLY, CERTAIN "LANDSCAPE" TREES MAY BE LEFT AT OWNER'S REQUEST, PROVIDING RW ACCESS IS NOT IMPEDED.

g) ALL TREES REMOVED SHALL BE REPLACED PER THE CITY'S PLANTING SPECIFICATION, QUANTITY BY QUAND OF SLOW GROWING VARIETY AND FINAL HEIGHT LESS THAN 25' WHEN FULLY GROWN (SEE PAGE 4) IHESE REQUIREMENTS MEET OR EXCEED SUGGESTED STATE AND FEDERAL QUIDELINES FOR FIRE HAZARD CONTROL AND MILL PROVIDE OUR LINE CREWS WITH THE BEST POSSIBLE ACCESS AND SAFE, CLEAR WORKING CONCITIONS, AND MININEZ THEE RELEATED SERVICE WITHERWISH STATE.

THE BASIC REQUIREMENTS FOR CLEARANCES AHOUND TRANSMISSION LINES CONDUCTORS ARE SET FORTH IN TABLE-1, BELOW, FIGURE 1 ON THE FOLLOWING PAGES SHOW A DIAGRAM OF THESE CLEARANCES. THESE ARE MINIMAL RECORREMENTS AT WHICH THIS TRANSMING WILL BE RECESSARY TO ALLOW FOR SROWIND DURING THE MEXT CYCLE. THE ACTUAL TRIMMED CHEARANCE SHOULD BE AT LEAST FIVE FEET MORE THAN THE MINIMUM, TO ALLOW FOR GROWTH.

TRANSMISSION LINE CLEARANCES GROUND CLERANCE: 15' MM. HOR/ZONTALLY FROM CENTER OF RIGHT-OF-WAY, BOTH SIDES, OR TO CHRISMAL BEDICATED RIGHT-OF WAY WIDTH -- 10' AROUND AND STRUCTURE (POLE OR TOWER).

SIDE CLERANCE: 138kV MNE-20 FT, FROM CONDUCTOR IN STATIC POSITION 34.5kV LINE-10 FT, FROM CONDUCTOR.

NO OVERHANG WILL BE ALLOWED ON TRANSMISSION LINES SEE FIGURE-1 FOR UNDERGROWTH RESTRICTIONS.

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	56199-106

CLEARING AND ENVIRONMENTAL

HAPKRVIIZE PRINTE

STRUCTURE CLEARANCE

GENERAL SPECIFICATION

FIRE PROTECTION

ARCHAEO_DOIGAL SITES

SURVEY MARKERS

STANDARDS

WETLANDS, STREAM PROTECTION

NAPERVILLE PUBLIC
UTILITIES DEPARTMENT
ELECTRIC STANDARDS

AIR CHALITY CONTROL

DUST AND MUD CONTROL

VEHICLE EXHAUST EMISSIONS

THREATENED AND ENDANGERED SPECIES, NESTING SEASONS

TRANSMISSION LINE STRUCTURES (POLES AND TOWERS) A MINIMUM 10' CLEARING IS REQUIRED THE FULL CIRCUMFERENCE OF THE STRUCTURE, ALSO ALL FLAMMABLE MATERIAL SHOULD BE REMOVED BELOW 8 FT. HIGH.

SAFETY - FEDERAL, AND STATE OSHA REQUIREMENTS THAT APPLY TO VEGETATION MANAGEMENT ACTIVITIES SHALL SE FOLLOWED AT ALL TIMES, RETER TO ANSI 2133.1-1994 AND FEDERAL OSHA 1910.269. THEE WORKERS, EQUIRMENT OFFENCIORS AND ORDINO MEN SHALL USE PERSONAL PROTECTIVE EQUIPMENT SUCH AS HARD HATS SHALL USE PERSONAL PROTECTIVE EQUIPMENT SUCH AS HARD HATS HAVE DESCRIPTION OF THE STATE OF A PROTECTIVE SHALL HAVE RADIO OF TELEPHONE COMMUNICATION ON THE JOB SITE AT ALL TIMES. CONTRACTORS OR SUP-CONTRACTORS ARE ALSO REQUIRED TO FOLLOW THE ABOVE ROLLS.

DURING THE FIRE SEASON, FEDERAL AGENCIES AND STATE DEPARTMENT OF FORESIRY REQUIRE CREWS TO HAVE TRAINING AND EQUIPMENT NECESSARY FOR FIRE PROTECTION. FEDERAL, STATE AND LOCAL FIRE PROTECTION LAWS AND REQUILATIONS SHALL BE FOLLOWED, AND ANY PERMISS NECESSARY WILL BE OBTAINED BY THE COMPANY OR CONTRACTOR PERFORMING THE WORK.

WORK SHALL BE PERFORMED IN A MANNER THAT DOES NOT DISTURB A KNOWN ARCHAEOLOGICAL SITE, PRIOR TO COMMINCHING WORK ON FEDERAL AND STATE LANDS, IF SUCH SITES ARE PRESENT FOR RICH-OF-WAYS. IF PRESENT, THEY SHALL BE IDENTIFIED IN THE FIELD ON SUCH SITES, ALL TREE AND BRUSH WORK WILL BE PERFORMED SO AS TO MINIMIZE GROUND DISTURBANCE. IF ARCHAEOLOGICAL ARTIFACTS ARE LOCATED ON PRIVATE LANDS, BEFOR OR AFTER WORK IS STATED, WORK SHALL IMMEDIATELY HALL, AND FINDINGS REPORTED TO THE CITY, FIELD DATA INVESTIGATES OF KNOWN SITES MAY BE ON FILE IN THE CITY FINDINGS REPORTED TO THE CONSTRUCTION OF GROUNDS STALL NOT BE PERFORMED.

WELLAIDS ARE SIES THAT HAVE STANDING WATER, HYDRIC SOLIS, AND PLANIS THAT ARE UNIQUE TO THE SIE WELLAIDS AND STREAM CROSSINGS SHALL ER WORKED BY HAND OR DURING TROSCIPE CONDITIONS WITH PROPER WELLAY PRESSENCE OF THE STANDING OF THE STANDI

GATES SHOULD BE LEFT OPEN OR CLOSED AS THEY WERE FOUND, OR AS THE PROPERTY OWNER WISHES.
DAMAGE TO FENCES OR GATES SHALL BE REPORTED TO THE PROPERTY OWNER AND CITY AND BE REPARED AS
SOON AS DESSIBLE.

WORK SHALL SE PERFORMED IN A MANNER THAT DOES NOT DAMAGE WITNESS TREES, SURVEY MARKERS, MONUMENTS, OR PROPERTY CONNERS IF DAMAGE OCCURS, THE PROPERTY OWNER AND CITY SHALL BE CONTACTED.

THE STANDARDS PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANS) A200-1095 FOR TITEE, SHRUR AND DHER WOODY PLANT MAINTENANCE," AND ANS (213,1-1994 "PRUNNING, TRAMMING, REPAIRING, MARIFAINNG, AND REMOVING THESES, AND COUNTED REPUSH-MERTY REQUIREMENTS, WILL BE ADMERTED TO BY CAMPLOYEES AND CONTRACTORS AND ARE PART OF THIS DOCUMENT, CUNTRACTOR TO PURCHASE ALL ANSI

CLEARING AND ENVIRONMENTAL QUALITY PROTECTION

NO. CONSTRUCTION ACTIVITIES MY CLEAR ADDITIONAL STEE OR ROOM-OF-WAY VECETATION OR INSTURE REMAINING RETAINED VECETATION, COUNTRY OF THE THAN THE STRUCTURE SITES AND SECRETARY CONSIDER OF SECRETARY ACTIVITY OF THE STRUCTURE SITES AND SECRETARY CONSIDER OF SECRETARY CONSIDER OF REASON OF SECRETARY CONSIDERATIONS. CONTROL VEASURES SHALL BE IMPLEMENTED AS SOON AS PRACTICABLE AFTER DISTURBANCE IN ACCORDANCE WITH APPLICABLE PEDERAL STRICE, AND/OR LOCAL STORM WHERE REGULATIONS.

ALL CONSTRUCTION DISTURBED AREAS, WITH THE EXCEPTION OF FARMAND UNDER CULTIVATION AND ANY OTHER AREAS AS MAY BE DESIGNATED BY CITY'S SPECIFICATIONS, SHALL BE STABLUZED IN THE FOLLOWING MANNER UNLESS THE PROPERTY OWNER AND CITY'S ENGINEER SPECIFY A DIFFERENT METHOD.

A) THE SUBSOIL SHALL BE LOOSENED TO A MINIMUM DEPTH OF 6 INCHES IF POSSIBLE AND WORKED TO REMOVE UNNATURAL RIDGES AND DEPIRESSIONS.

C) ALL DISTURARD AREAS WILL INITIALLY BE SECRED WITH A TEMPOWARY CHOUND COVER SUCH AS WINTER WHEAT, RYE, OR MILLET, DEPENDING ON THE SEASON, PERENNULS MAY ALSO BE PLANTED DURING WITHIAL SECRION OF PROPER GROWNIC CONDITIONS EMIST, THAN ESTORATION AND FINAL SECRING WILL BE PERFORMED AS LINE CONSTRUCTION IS COMPLETED. FINAL SEEDING WILL CONSIST OF PERMANENT PERCENNAL GRASSES DUANT AS THOSE ONLY INTENDED AS PERFORMED AS THOSE WARDS PLANTING AREAS, INITIAL AND FINAL RESTORATION WILL BE PERFORMED BY THE CONTRACTOR

D) CITY HOLDS THE OPTION, DEPENDING UPON THE TIME OF YEAR AND WEATHER CONDITION, TO DELAY OR WITHDRAW THE REQUIREMENT OF SECDING UNITE MORE FAVORABLE PLANTING CONDITIONS ARE GERTAIN, IN THE MEANINE, OTHER STABILIZATION INCOMPAGES MUST BE APPLIED.

CONSTRUCTION CREWS SHALL TAKE APPROPRIATE ACTIONS TO MINIMIZE THE AMOUNT OF AIR POLLUTION CREATED BY THEIR CONSTRUCTION GENERATIONS ALL OPERATIONS MUST BE CONDUCTED IN A MANIBER WHICH AVOIDS CREATING A WILLIAMOLE AND FREY

CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED TO MINIMIZE THE CREATION OF DUST. THIS MAY REQUIRE LIMITATIONS AS TO TYPES OF EQUIPMENT, ALLOWABLE SPEEDS, AND ROUTES UTILIZED, WATER, STRAW, WOOD CHIPS, DUST PALLATINE, RAWALL, COMBINATIONS OF THESE, OR SIMILAR CONTROL MEASURES MAY BE USED

SUBJECT TO CITY'S APPROVAL ON NEW CONSTRUCTION SITES AND EASEMENTS, THE LAST TOO FEET SEFORE AN ACCESS ROAD APPROACHES A COUNTY ROAD OR HIGHWAY SHALL BE GRAVELED TO PREVENT TRANSPER OF MULD ONTO THE PUBLIC ROAD.

THE CONTRACTORS SHALL MARTAIN AND OPERATE EQUIPMENT TO LIBIT VEHICLE EXPLAINT EMPSIONS COLUMBEN AND VEHICLES THAT SHOW EXCESSIVE EMISSIONS OF EXHAUST CASSES AND PARTICULAY. DUE TO POOR ENGINE ADJUSTMENTS OF OTHER INEFFICIENT OPERATING CONDITIONS SHALL NOT BE OPERATED UNTIL CORRECTIVE REPA OR ADJUSTMENTS ARE MADE.

CLEARING AND ENVIRONMENTAL

9) IF NEEDED, APPROPRIATE SOIL AMENDMENTS WILL BE ADDED.

WORK SHALL BE PERFORMED IN A MANNER THAT DOES NOT DISTURB OR HARM ANY BARE, THREATINED, ENDANGERD, OR PROTECTED PLANT OR ANDMAL SPECIES. THIS INCLUDES ADHERING TO MESTING SESSION RESTRICTIONS, FROM COLUMNICAND WOOK ON PERPENDIA AND STATE LANDS, THE CONTRACTORS ARROWST THE STREAM OF THE CONTRACTORS ARROWST THE SESSION OF THE CONTRACTORS ARROWST THE SESSION OF THE S

THE CONTRACTOR SHALL EXERGISE CARE TO PRESERVE THE NATURAL LANDSCAPE IN THE ENTIRE CONSTRUCTION AREA AS WELL AS USE AREAS, IN OR OUTSIDE THE RIGHT-OF-WAY, AND ON OR ADJACENT TO ACCESS ROADS. CONSTRUCTION OPERATIONS SHALL BE CORDUCTED TO PREVENT NAY UNINECESSARY DESTRUCTION, SCARRING, OR DEFACING OF THE NATURAL VEGETATION AND SURROUNDINGS IN THE VICINITY OF THE WORK.

CERTAIN AREAS PRESERVATION

CERTAIN AREAS ON SITE AND ALONG THE FIGHT-OF-WAY MAY BE DESIGNATED BY THE SPECIFICATIONS OR THE
CITY PERIORER AS FORMORMENIALLY SENSITIVE. HISSES AREAS INCLUDE BUT ARE NOT LIMITED TO AREAS.

CLASSIFED AS FRODRED, FORLOGICALLY SENSITIVE, SCENIC, HISTORICA, AND ARCHAECLOGICAL, FISH AND WINDLIFE
REFUGES, WATER SUPPLY WATERSHEDS, AND PUBLIC RECREATIONAL AREAS SUCH AS PARKS AND MONUMENTS.

CONTINATIONS CONSTRUCTION CREWS SHALL TAKE ALL NICESSARY ACTIONS TO AVOID ADVERSE IMPACTS TO
THESE SENSITIVE AREAS AND THEIR ADJACENT BUFFER ZONES. THESE ACTIONS MAY INCLUDE SUSPENSION OF
THESE SENSITIVE AREAS AND THEIR ADJACENT BUFFER ZONES. THESE ACTIONS MAY INCLUDE SUSPENSION OF
ORK OR CHANGE OF OPERATIONS DURING DEPOSE OF ARION OF HEAVY PUBLIC USE. HOURS MAY BE RESTRICTED
OR CONCENTRATIONS OF NOISY EDUPMENT MAY HAVE TO BE DESCRISED. IF PRENSTRICE OF MAY INCLUDE
OR FEATURES ARE ELECONICISED DHANG CLEARING OR CONSTRUCTION DEPENDIONS, THE OPERATIONS SHALL OFF.

ON FEATURES ARE ELECONICISED. DHANG CLEARING OR CONSTRUCTION DEPENDIONS, THE OPERATIONS SHALL OFF.

CONSTRUCTION SUPERINDUCENT AND CLUTTER, RESOURCES.

OFFICIAL SENSITIONS SHALL BE CONTROLLED TO THE CONTROLLED AS SIGNATURE OF THE CONTROLLED AND HIS EXPENDING PROPERTY.

THE CONTROLLED AS SIGNATURE OF THE MAY HAVE SHALL BE NOTHED. THAT HE STORD OR

CONSTRUCTION SUPERINDUCENT AND CLUTTER, RESOURCES.

WATER QUALITY CONTROL

THE CONTRACTOR CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY METHOOS THAT WILL PREVENT ENTRANCE OR ACCIDENTAL SPILLAGE OF SOULD MATTER, CONTAMINANTS, DEBRIS, AND OTHER OBJECTION/MBLE POLLUTANIS AND WASTES HITO FLOWING CAVES, SINKHOLES, STREAVS, DRY WATERCOURSES, LAVES, PONDS, AND UNDERGROUND WATER SOURCES.

THE CLEARING CONTRACTOR WILL ERECT AND MAINTAIN SILT FENCIS ON STEEP SLOPES AND ADJACENT TO ANY STREAM, WELLAND, OR OTHER WATER ROLLY, ADDITIONAL PROTECTION MAY BE REQUIRED FOR AREAS OF DISTURBANCE CREATED BY CONSTRUCTION ACTIVITIES. THE PROTECTION DEWGES WILL BE INSPECTED BY THE FIELD ENGINEER OF INTER DESIGNATION OF ANTI-OTHER DEVICES AND CONTROL SOFT FROM THE PROTECTION OF THE PROTECTION WILL BE CANDIDATED IN SOFT OF THE PROTECTION WILL BE CANDIDATED IN THE PROTECTION WILL BE CANDIDATED.

CONSTRUCTION ACTIVITIES IN OR MEAR BODIES OF WATER SHALL BE CONTROLLED TO PREVENT THE WATER LUBIDLY FROM EXCEEDING STATE OR LOCAL WATER GUALITY STANDARDS FOR THE STREAM, ALL CONDITIONS OF A CREMEAL STORM WATER PERMIT, ADUATIC RESOURCE ALTERATION PERMIT, OR A STEE-SPECIFIC PLANT SHALL BE MET INCLUDING MONITORIS OF TUPEDIDITY IN RECEIVING STREAMS AND/OR STORM WATER DISCHARGES AND INPLEMENTATION OF APPROPRIATE ERGISION AND SEMENTED CONTROL, MEASURES.

APPROPRIATE DRAWAGE FACILIES FOR TEMPORATY CONSTRUCTION ACTIVITIES INTERRUPTING NATURAL CHAMACE SINLE BE MOVIETED TO ANOID EROSION, WARROCURESS SHALL NOT BE BECKET OR TOWN REQUIRED TO THE PROPRIATE OF THE CONTROL OF THE CITY ENGINEER. BRESIONES SHALL BE ANDE IN ACCORDAN STATE COLUMN OR CITY.

MECHANIZED EQUIPMENT SHALL NOT BE OPERATED IN FLOWING WATER EXCEPT WHEN APPROVED AND, THEN CALL TO CONSTRUCTOR CROSSINGS OR TO PEPERAM REQUIRED CONSTRUCTION LUNGER DIRECT GUIDANCE OF CITY. CONSTRUCTION OF STEEM FORD OR O'NEW FORSINGS WILL CHAY BE PERMITTED AT APPROVED. LOCATION AND TO CURRENT CITY CONSTRUCTION ACCESS ROAD STANDARDS MATERIA, SHALL NOT BE DEPOSITED IN WATERCOURSE OR WITHIN STEAM BANK AREAS WHERE IT COULD BE WASHED AWAY BY HIGH STREAM FLOWS, APPROPRIATE CORPS OF ENGINEERS AND STATE PERMITS SHALL BE OBTAINED.

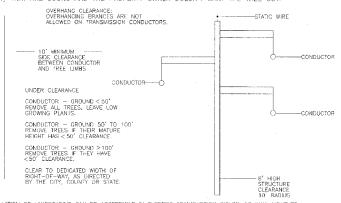
WASTEWATER FROM CONSTRUCTION OR DEWATERING OPERATIONS SHALL BE CONTROLLED TO PREVENT EXCESSIVE EROSION OR TURBIDITY IN A STREAM, WEILAND, LAKE, OR POND. ANY WORK OR PLACING OF EQUIPMENT WITHIN A FLOWING OR DBY WATERCOURSE REQUIRES THE PRIOR APPROVAL OF CITY.

CLEARING AND ENVIRONMENTAL

138kV TRANSMISSION LINE CLEARANCE

F.A.U. RTE.	SECTION 00-00115-00-BR		COUNTY	TOTAL SHEETS	SHEET NO
1545			DUPAGE	97	87
STA. 1+31,	77		TO STA	5+50.00	***************************************
FED. ROAD	DIST. NO.	ILLINOIS	FED. AI	D PROJECT	

A TEN FOOT OVERHANG WILL ONLY BE AN OPTION IN SPECIAL SITUATIONS AT THE PROPERTY OWNER'S REQUEST, AND WILL NONE BE CONSIDERED ON LARGE DIAMETER TREES (TREE LARGER THAN 20 FEET DIAMETER BREAST HEIGHT) THAT ARE SOUND AND THE PROPERTY OWNER DOESN'T WANT THE TREE CUT.



INSTALIATION OF LANDSCAPING CAN BE ACCEPTABLE IN ELECTRIC TRANSMISSION RIGHTS—OF—WAY. HOWEVER, LANDSCAPING MUST NOT BE ALLOWED TO COMPROMISE SAFE CLEARANCE BETWEEN PLANTS AND CONDUCTORS OR BETWEEN PLANTS AND STRUCTURES (TOWERS OR POLES), NOR SHALL LANDSCAPING INSEDE ACCESS OR REVENT EASY INSPECTION OF FACILITIES, CITY WILL NOT CONSENT TO LANDSCAPING DESIGNS THAT INCREASE ITS MAINTENANCE COSTS OR HAVE THE POTENTIAL OF CREATING PLITURE SERVICE RELIABILITY OR PUBLIC SAFETY SSUES. THE CONTRACTOR SHOULD ALWAYS CONSILLY WITH THE LOCAL CITY TRANSMISSION LINE SUPERVISOR BEFORE FINALIZING LANDSCAPE PLANS IN THE VICINITY OF ELECTRIC TRANSMISSION FACILITIES.

LINE CLEARANCE

OVERHANG CLEARANCE

PLANTS SHOULD NOT BE INSTALLED THAT COULD ULTIMATELY GROW WITHIN THE MINIMUM ACCEPTABLE CLEARANCE DISTANCE OF PLANTS FROM CONDUCTORS STATED IN THE TABLE BELOW. IN GENERAL, THE ACCEPTABLE MATURE HEIGHT OF PLANTS FOR A GVEN SITUATION WILL BE DETERMINED BY THE HEIGHT OF THE CONDUCTOR ABOVE THE GROUND AND THE VOLTAGE OF THE LINE. USING A CONDUCTOR TERMS OF 40' (ABOVE GROUND AT 22SF @ 750' SPAN) RESULT IN MAXIMUM PLANT HEIGHT AS FOLLOWS.

VOLTAGE	MINIMUM CLEARANCE OF	MAXIMUM PLANT	MAX. SAG @ 235'F
	PLANTS FROM CONDUCTOR	HEIGHT	@ 750' SPAN
12,000 VOLTS TO 138,000 VOLTS	15'	25'	24

DATE: 05-01-05 Page 4 of 8 58199-106	CLEARING AND ENVIRONMENTAL QUALITY PROTECTION	NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS

ROUTINE MAINTENANCE OF PERSONNEL VEHICLES WILL NOT BE PERFORMED ON. THE RICHT-OF-WAY HOWEVER IN ROUTINE MAINTENANCE OF PERSONNEL VEHICLES WILL NOT BE PERFORMED ON THE RICHT-OF-MAY, HOWEVER, I BERRICHOVER AND THE RICHT-OF-MAY, HOWEVER, I BERRICHOVER AND THE RICHT-OF-MAY, MORE AND THE RICHT-OF-MAY ENDIFFRENCE VEHICLES WILL MINIMAL/TENER SHOP, HEAVY EQUIPMENT WILL BE PROPERLY MAINTAIN THESE VEHICLES WITH APPROVED SHILL PROFICEDING CONTROLLED AND CONTRIBUTIONS AND COUNTERMESSLERS IT EMPROVED AND THE REPORT MAINTENANCE IN A SENSITIE OR QUESTIONABLE AREA ARISES, THE AREA FENTRONNENTAL COORDINATION OF CONTRIBUTION ENVIRONMENTAL KNORMER WILL BE CONSULTED ALL WASTES AND UISEO OILS WILL BE PROPERLY RECOVERED, HANDLED, AND DISPOSAD/PECYCLED. EQUIPMENT SHALL NOT BE TEMPORABRY STORED IN STREAM FLOOD PLANS OR HOSPIT OF-MAY, METERAL FOR HOSPIT OF MAY BE AND THE STORED IN STREAM FLOOD PLANS OR HOSPIT OF-MAY, METERAL FOR HOSPIT OF MAY BE AND SOR OF MORE AND THE PROPERTY OF ON THE PERFORMENT OF MORE AND THE PROPERTY OF ON THE PERFORMENT OF MAINTENANCE OF HOSPIT OF-MAY, METERAL FOR THE OFFINIOR OF ON THE PERFORMENT OF ON THE PERFORMENT OF THE PERFORMENT OF THE PERFORMENT OF THE PERFORMENT OF ON THE PERFORMENT OF THE PERFORM

16 SMOKE AND GDORS

15. VEHICLE SERVICING

THE CONTRACTOR SHALL PROPERLY STORE AND HANDLE COMBUSTIBLE MATERIAL WHICH COLLD CREATE OBJECTIONABLE SMOKE, ODORS, OR FUMES, THE CONTRACTOR SHALL NOT BURN REFUSE SUCH AS TRASH, RACS, TIRES, PLASTICS, OR OTHER DEDRIS.

THE CONTRACTOR SHALL TAKE MEASURES TO AVOID THE CREATION OF NOISE LEVELS THAT ARE CONSIDERED NUTSANCES, SAFETY, OR HEALTH HAZARDS, CRITICAL AREAS INCLUDING BUT NOT LIMITED TO RESIDENTIAL AREAS, PARKS, DUBLE USS AREAS, AND SOME ANALYTICAL OPERATIONS, WILL REQUIRE SHOULD, CONSIDERATIONS, THE CITY'S CHITERIA TON DETERMINING COMPETITION OPERATIONS, WILL REQUIRE SHOULD SHOULD BE AVOIDED TO THE CONSIDERATION OF THE CITY OF THE CONFIDENCE OF THE C

ALL INTERNAL COMBUSTION ENGINES SHALL BE PROPERLY EQUIPPED WITH MUFFLERS AS REQUIRED BY THE DEPARTMENT OF LABOR'S "SAFETY AND HEALTH REQULATIONS FOR CONSTRUCTION." THE CITY MAY REQUIRE SPARK ARRESTERS IN ADDITION TO MUFFLERS ON SOME ENGINES. AIR COMPRESSORS AND OTHER NOISY EQUIPMENT MAY REQUIRE SOUND REDUGNO CHOLOSURES IN SOME CHROUNSTANCES.

18. DAMAGES

HIE WORKERT OF CONSTRUCTION CREW AND COURDENT STALL BE CONDUCTED IN A MANNER WHICH CAUSES AS LITTLE THROUGH AND MANNER WHICH CAUSES AND THREE THROUGH AND MANNER AS POSSIBLE TO COPING PROFINEDS, WICE MADE, AND OTHER PROPERTY FATURES AND VIGITATION. THE CONTRACTOR MUL BE RESPONSIBLE FOR PROSED AND MADE BY HIS ACTIONS AND ESPECIALLY FOR CREATING CONDITIONS THAT WOULD THREATEN HE STABILITY OWNERS PREFER THE RIGHT-OF-WAY OR SITE SOIL, THE STRUCTURES, OR ACCESS TO ETHER, WHEN PROPERTY OWNERS PREFER THE COMPRECION OF GROUND COVER CONDITION OF SOIL AND SUBSOIL PROBLEMS THEMSELVES.

THE CONTRACTOR SHALL PAY THE PROPERTY OWNER FOR ALL WORK RELATIVE TO THE DAMAGED DONE.

CLEARING AND ENVIRONMENTAL

TREES, SCHRUBS AND EVERGREENS PRESERVATION CONTRACTOR SHALL FOLLOW DOT SPECIFICATION AND CITY SPECIFICATIO WHEN PRESERVING TREES, SHAUBS AND EVERGREENS.

	CITY	OF	NAPE	SVILLI	/DEPARTI	MENT	F OF PUBLIC L	JTILITIES — (ELECTRIC
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