O&M PRACTICES AND IMPLEMENTATION SCHEDULE:

GENERAL OPERATIONS AND MAINTENANCE SCOPE 1. MONTHLY; JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

- DNTHLY: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC
 THE OWNER SHALL KEEP AN UPDATED LOG BOOK DOCUMENTING THE
 PERFORMANCE OF THE REQUIRED 0.8M ACTIVITIES FOR PERPETUITY.
 LOG BOOKS MUST BE PRODUCED UPON THE REQUEST OF A CITY
 INSPECTOR OR SPACE TO GROW PARTNER. IN GENERAL, THE LOG BOOK
 SHOULD NOTE ALL INSPECTION DATES, FACILITY COMPONENTS
 INSPECTED, AND ANY AMALTEMANCE DEPROPMER AND BEFOREMER OF THE PROPERTY. INSPECTED, AND ANY MAINTENANCE PERFORMED AND REPAIRS MADE ALL INSPECTIONS AND MAINTENANCE, BOTH ROUTINE AND EMERGENCY SHOULD BE RECORDED IN THE LOG BOOK, THE LOG BOOK SHALL CORRELATE TO THE OWN SCHEDULE AND CHECKLIST
- VEGETATION SHALL BE MAINTAINED ON A REGULAR BASIS
- VEGETATION SHALL BE MAINTAINED ON A REQUEAR BASIS.
 PEST CONTROL MEASURES SHALL BE IMPLEMENTED TO ADDRESS INSECTS AND RODENTS.
 SIGNAGE AND FENCING SHALL BE MAINTAINED, CLEANED AND REPAIRED WHERE NECESSARY TO PROTECT PROPERTY AND THE PUBLIC.

- TWICE PER YEAR: MAY, NOV

 1. DRAINAGE STRUCTURES AND FLOW RESTRICTOR SHALL BE INSPECTED
- AND CLEANED SEMI-ANNUALLY.
 VOLUME CONTROL BMPS SHALL BE INSPECTED SEMI-ANNUALLY AND AFTER SIGNIFICANT RAINFALL EVENTS EXCEEDING 1.5 INCHES
- 3 ONCE PER YEAR: JULY (NOTE: JULY IS RECOMMENDED HERE BASED ON LESS
- ASSESSED ANNUALLY. ASSIGN SPECIFIC INDIVIDUALS SPECIFIC O&M
- RESPONSIBILITIES FOR ALL ONSITE BMPS.
 ACCESS ROUTES INCLUDING ROADWAYS AND SIDEWALKS SHALL BE INSPECTED ANNUALLY AND MAINTAINED AS NEEDED.

STRUCTURE MAINTENANCE 1. FOUR TIMES PER YEAR: FEB. MAY, AUG. NOV.

- JUR TIMES PER YEAR, FEB, MAY, AUG, NOV
 INSPECT DRAINAGE AND STORMWATER STRUCTURES INCLUDING, BUT
 NOT LIMITED TO, CATCH BASINS, PIPES, BACKFLOW PREVENTERS, FLOW
 RESTRICTORS, CLEANOUTS, SURFACE CISTERNS, AND SUBSURFACE
 VAULTS FOR SEDIMENTATION AND DEBRIS.
 AS NEEDED, USE A JETVAC SYSTEM TO REMOVE SEDIMENT AND DEBRIS
- FROM STRUCTURES AND SUBSURFACE VAULTS WHEN THE SEDIMENT ZONE OR SEDIMENTATION CHAMBER IS FULL AS WELL AS FROM INLET AND OUTLET PIPES, SEDIMENTS SHOULD BE TESTED FOR TOXICANTS IN AND OUTLET PIPES, SEDIMENTS SHOULD BE TESTED FOR TOXICANTS IN COMPLIANCE WITH APPLICABLE DISPOSAL REQUIREMENTS, OR INDICATIONS OF POLLUTION ARE NOTICED. MAINTAIN A PHOTO RECORD OF THE CHAMBER AND MAIN PIPES IN A MANNER SO AS TO VIEW THE ENTIRE LENGTH OF THE CHAMBER.
 FLOATING DEBRIS SHOULD BE REMOVED.
- CONTACT CPS CENTRAL OFFICE IF THE CHAMBER, STRUCTURE OR
- EQUIPMENT IS IN NEED OF REPAIR.
 STRUCTURE ACCESS AND MAINTENANCE PROCEDURES MUST MEET OSHA CONFINED SPACE ENTRY REQUIREMENTS.

- SURFACES
 SYNTHETIC TURF FIELD
 1. MONTHLY WITHIN 1 WEEK OF A 1.5" STORM EVENT: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC
 1.1. VOLUME CONTROL BMPS (SYNTHETIC TURF) SHALL BE INSPECTED AFTER
- SIGNIFICANT RAINFALL EVENTS EXCEEDING 1.5 INCHES.
- ENSURE TURF IS FREE OF SEDIMENT.
 MONITOR FIELD AND ADJACENT AREA REGULARLY TO ENSURE THAT THE
 SYNTHETIC FIELD DRAINS PROPERLY AFTER STORMS. PERFORM SURFACE RAKING AND BRUSHING PER MANUFACTURER'S
- MONTHLY: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

 1. INSPECT TURF FIELD

 2. KEEP LANDSCAPED AREAS WELL-MAINTAINED AND PREVENT SOIL, MULCH
- AND OTHER DEBRIS FROM BEING TRANSPORTED ONTO THE TURF FIELD. ENSURE TURF IS FREE OF SEDIMENT.
 MONITOR FIELD AND ADJACENT AREA REGULARLY TO ENSURE THAT THE
- SYNTHETIC FIELD DRAINS PROPERLY AFTER STORMS.
 PERFORM SURFACE RAKING AND BRUSHING PER MANUFACTURER'S
- PERFORM SURFACE RANNO AND BROSHING PER MAINDACTURER'S WARRANTY REQUIREMENTS.
 REMOVE CHEWING GUM, WEEDS, MOSS, AND ALGAE, REMOVE ANY MUD THAT HAS BEEN TRACKED ON TO THE SURFACE, ENSURE PRODUCTS USED ARE ACCEPTABLE FOR USE ON SURFACE.

TWICE PER YEAR: MAR, SEPT

- PERFORM MECHANICAL AERATION OF FIELD PER MANUFACTURER'S INSTRUCTIONS.
- GROOM AND CLEAN TURF TO KEEP FREE OF SEDIMENT.
- 3.2. CLEAN OUT INLET STRUCTURES DRAINING TO THE SUBSURFACE BEDDING BENEATH SURFACE AND UNDERDRAIN SYSTEM.

 4. ONCE PER YEAR: JUNE
 INSPECT SYNTHETIC FIELD FOR SIGNS OF DETERIORATING OR SETTLING.

- POURED IN PLACE PLAYGROUND SURFACES

 1. MONTHLY; JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC BRUSH SURFACE TO KEEP CLEAN OF MOSS, LEAVES, OR OTHER LITTER
- BRUSH SURFACE TO REEP CLEAR OF MOOD. ELECTED STATEMENT AS NEEDED.

 REMOVE CHEWING GUM, WEEDS, MOSS, AND ALGAE, REMOVE ANY MUD THAT HAS BEEN TRACKED ON TO THE SURFACE. ENSURE PRODUCTS USED ARE ACCEPTABLE FOR USE ON POURED IN PLACE SURFACE.

 MONITOR REGULARLY TO ENSURE THAT THE SURFACE DRAINS

 SECRETAL WATER STORMS.

2. ONCE PER YEAR: JUNE

- ANNUALLY INSPECT FOR SIGNS OF DETERIORATION TO THE SURFACE. ANNUALLY INSPECT FOR SIGNS OF DETERIORATION TO THE SURFACE CONTACT POURED IN PLACE VENDOR IF DAMAGED AND REQUIRING REPAIR. NOTE: WARRANTY COVERS ALL DEFECTS AND ITEMS LISTED BELOW FOR A PERIOD OF 7 YEARS FROM ACCEPTANCE:

 REDUCTION IN IMPACT ATTENUATION.

 DETERIORATION OF SURFACE, AND OTHER, MATERIALS BEYOND NORMAL METATHERISM.
- NORMAL WEATHERING. SEPARATION OF SURFACING MATERIAL AT CHANGES IN FINISH
- COLOR OR SEAMS.
 SEPARATION OF MATERIAL AT BORDER.
- TELEGRAPHING OF JOINTS IN SUBSTRATES THROUGH FINISH

- TEXTURED ACRYLIC SURFACES

 1. MONTHLY: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC

 1.1. CLEAN LEAVES, DUST, DIRT AND REMOVE FROM SURFACE USING SOFT NYLON TYPE OR WATERBROOM WITH LESS THAN 70 POUNDS PER SQUARE INCH (PSI)
- INSPECT SURFACES AND CLEAN SPILLAGE AND SOILING AS NEEDED
- USING PROCEDURES RECOMMENDED BY MANUFACTURER.
 REMOVE CHEWING GUM, WEEDS, MOSS, AND ALGAE, REMOVE ANY MUD
 THAT HAS BEEN TRACKED ON TO THE SURFACE. ENSURE PRODUCTS
 USED ARE ACCEPTABLE FOR USE ON THE SURFACE.

- ONCE PER YEAR: APR
 1. PERFORM ANNUAL SPRING INSPECTION ON ALL SURFACES:
- REPAIR SURFACES AS NEEDED FOLLOWING STANDARD PATCHING
 AND RESURFACING PROCEDURES AS RECOMMENDED BY PRODUCT MANUFACTURER AND APPLIED BY APPROPRIATE VENDOR OR INSTALLER
- SEAL CRACKS WITH SEALANT IN APPROPRIATE COLOR SCHEME TO SEAL CRACKS WITH SEALANT IN APPROPRIATE CULLOR SCHEME TO
 PREVENT FURTHER DAMAGE TO ADJACENT TEXTURED ACRYLIC
 SURFACES AS RECOMMENDED BY PRODUCT MANUFACTURER AND
 APPLIED BY APPROPRIATE VENDOR OR INSTALLER.

INSPECT SURFACES AND CLEAN SPILLAGE AND SOILING AS NEEDED USING PROCEDURES RECOMMENDED BY MANUFACTURER

SITE FURNISHINGS AND PLAYGROUND EQUIPMENT
1. MONTHLY: JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC
1.1. INSPECT SITE FURNISHINGS AND PLAYGROUND EQUIPMENT FOR
GRAFFITI AND CLEAN SURFACES PER MANUFACTURER'S INSTRUCTIONS.

- INSPECT SURFACES AND CLEAN SPILLAGE AND SOILING AS NEEDED USING PROCEDURES RECOMMENDED BY MANUFACTURER.
 INSPECT SURFACES FOR ABRASION, SCRATCHING, OR COATING FAILURE.
- 2.2. APPLY PAINT AND/OR COATING FOLLOWING MANUFACTURER'S
- APPLY PAINT AND DR COATING POLLOWING WANDPACTURER'S INSTRUCTIONS AND COLORS, INSPECT FOR LOOSE FITTINGS AND SURFACE MOUNTINGS AND ENSURE BOLTS ARE TIGHT. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR PROPER EQUIPMENT AND PROCESSES.

- HREE TIMES PER YEAR: APR, JUN, AUG
- PERIODICALLY CHECK THE IRRIGATION CONTROLS AND SYSTEM HEADS 1.1. AT LEAST THREE TIMES ANNUALLY 1.2. CHECK THE SYSTEM FOR OPERATION, LEAKS, OR OTHER PROBLEMS.
- SPRING START UP: APR START UP SYSTEM IN THE SPRING.

FALL SHUT DOWN: NOV
 SHUT DOWN SYSTEM IN THE FALL BLOW AND BLEED ALL LINES AND SHUT
 OFF ALL VALVES AND CONNECTIONS AT SOURCE.

LANDSCAPE
RAIN_GARDENS, VEGETATED SWALES, BIORETENTION AREAS, AND DETENTION

ODERLY DESIGNED AND INSTALLED RAIN CARDENS, SWALES, BIOINEILTRATION. PROPERLY DESIGNED AND INSTALLED RAIN GARDENS, SWALES, BIONIFIL IRATION AND DETENTION SYSTEMS REQUIRE MAINTENANCE SIMILAR TO TRADITIONALLY LANDSCAPED AREAS AFTER A SUCCESSFUL ESTABLISHMENT PERIOD, TYPICALLY THREE YEARS, DURING PERIODS OF EXTENDED DROUGHT, THESE SYSTEMS MAY REQUIRE WATERING APPROXIMATELY EVERY 10 DAYS. SEE PLANT MAINTENANCE AND TREE CARE SECTIONS HEREIN FOR OTHER PLANT BASED MAINTENANCE

- 1 MONTHLY DURING GROWING SEASON: APR MAY JUN JUL AUG SEP OCT IDENTIFY THE SOURCE OF PONDING WHEN EXTENDED PERIODS OF PONDING GREATER THAN 48 HOURS OCCUR WITHIN THE BIORETENTION
- EA,
 IMSPECT CLEANOUTS TO DETERMINE IF THE UNDERDRAIN OR
 DOWNSTREAM STORM LINE ARE CLOGGED AS EVIDENCED BY
 STANDING WATER IN THE CLEANOUTS TO THE ELEVATION OF THE
 SURFACE PONDING IN THE BIORETENTION AREA,
 IF NO WATER IS STANDING IN THE CLEANOUTS, THE BIORETENTION
- SURFACE IS CLOGGED. THE CLOGGED SOIL SHOULD BE REMEDIATED BY REMOVING THE TOP ONE TO TWO INCHES OF BIORETENTION SOIL. BY REMOVING THE TOP ONE TO TWO INCHES OF BIORETENTION SOIL UNTIL THE AREA DRAINS, REMOVED SOIL SHOULD BE REPLACED IN NOVEMBER AFTER THE GROWING SEASON ENDS, REPLACEMENT BIORETENTION SOIL MUST MEET PROJECT SPECIFICATIONS, MOW AND TRIM VEGETATION TO ENSURE SAFETY, AESTHETICS, PROPER SWALE OPERATION, AND TO SUPPRESS WEEDS AND INVASIVE LIGHT OF THE PROJECT AND AND PROJECT OF THE PROJECT AND AND ADMINISTRATION TO SUPPRESS WEEDS AND INVASIVE LIGHT OF THE PROJECT AND AND PROJECT OF THE PROJECT AND AND ADMINISTRATION.
- VEGETATION; MOW ONLY WHEN SWALE IS DRY TO AVOID RUTTING
- RE-SEED AND/OR REPLANT BARE AREAS IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS: INSTALL APPROPRIATE EROSION CONTROL MEASURES WHEN NATIVE SOIL IS EXPOSED OR EROSION CHANNELS ARE
- FORMING,
 RE-MULCH VOID AREAS.
 PLANT ALTERNATIVE GRASS SPECIES IN THE EVENT OF UNSUCCESSFUL
 ESTABLISHMENT OR BARE AREAS MEASURING LARGER THAN 2 FEET BY 2
 FEET (9 SQUARE FEET (SF)).
 REMOVE, AS NEEDED, MATTED ORGANIC DEBRIS SUCH AS LARGE LEAVES
 AND OTHER LAYERED MATTER THAT PREVENTS TRANSMISSION OF
 WATER INFOTURE CASE.
- WATER INTO THE SOIL.
 RAKE ACCUMULATED SEDIMENT FROM THE RAIN GARDEN, SWALE OR
- BIORETENTION SURFACE, TAKING CARE TO PROTECT PLANTS. MINOR ACCUMULATIONS MAY BE RAKED INTO THE SOIL.
- REMOVE LITTER AND DEBRIS.
 INSPECT AND CLEAR OBSTRUCTIONS INLET AND OUTLET PIPES AS

- INSPECT AREAS TO IDENTIFY ACCUMULATION OF SEDIMENT AND MATTED ORGANIC DEBRIS THAT COULD SEAL THE SURFACE AS WELL AS EXTENDED DURATION OF PONDING (PONDING FOR MORE THAN 24 HOURS AFTER CESSATION OF RAIN), INSPECTIONS SHOULD BE CONDUCTED EMI-ANNUALLY AND AFTER RAINFALL EVENTS EXCEEDING 1.5".
- INSPECT TREES, SHRUBS AND PLANTS TO EVALUATE HEALTH

- 3. ONCE PER YEAR: AUG 3.1. INSPECT AND CORRECT EROSION PROBLEMS, DAMAGE TO VEGETATION, SEDIMENT AND DEBRIS ACCUMULATION, AND POOLS OF STANDING
- INSPECT FOR UNIFORMITY IN CROSS-SECTION AND LONGITUDINAL 3.2. SLOPE, CORRECT AS NEEDED.

 INSPECT FACILITY AND PRETREATMENT AREAS FOR EROSION, VEGETATIVE CONDITIONS, ETC. 3.3.

PLANT MAINTENANCE
BASIC MAINTENANCE SERVICES SHOULD INCLUDE THE MAINTENANCE OF TREES. BASIC MAINTENANCE SERVICES SHOULD INCLUDE THE MAINTENANCE OF TREES, SHRUBS AND ORNAMENTAL PERENNIALS TO MAINTAIN THE PROPERTY BY THE OWNER, THE SCHEDULE FOR MAINTENANCE ACTIVITIES SHOULD BE DESIGNED TO PROMOTE THE HEALTHY GROWTH AND ENHANCE THE NATURAL BEAUTY OF THESE AREAS AND WILL INCLUDE MOWING, WEED CONTROL, PEST MANAGEMENT, MULCHING, PRUNING, WATERING AND FERTILIZATION TO ENSURE HEALTHY, MULCHING, PRUNING, WATERING AND FERTILIZATION TO ENSURE HEALTHY, WAGOODEN MEDIAL MATCHING. VIGOROUS PLANT GROWTH, LIKE ANY GARDEN, WEEDING WILL BE ONE OF THE MOST IMPORTANT TASKS TO MAINTAINING THE PLANTING AREAS. IT WILL BE IMPORTANT FOR THOSE WEEDING THESE AREAS TO BE FAMILIAR WITH THE APPEARANCE OF EACH PLANT LISED IN THE DESIGN IN ALL STAGES OF GROWTH. AFFEARANCE OF EACH PLANT USED IN THE DESIGN IN ALL STAGES OF OROWIN.
AS THE PLANTS FLOWER AND RELEASE SEED THEY MAY BEGIN TO GROW IN NEW
LOCATIONS, COMPARING THE LOCATION OF THE PLANTS OBSERVED IN THE
PLANTING AREAS WITH THE PLANTING PLANS WILL BE A VALUABLE AID IN LEARNING THEIR IDENTIFICATION.

- WEEKLY DURING GROWING SEASON: APR, MAY, JUN, JUL, AUG, SEP, OCT WATER PLANTS 2 TO 3 TIMES PER WEEK DURING FIRST GROWING
- WATER PLANTS DURING DRY PERIODS AFTER FIRST GROWING SEASON. WEED VIGOROUSLY DURING THE FIRST 3 YEARS AFTER INSTALLATION WHILE PLANTS ESTABLISH AND UNTIL THEY CAN OUT COMPETE WEEDS
- MONTHLY DURING CROWING SEASON: ARR MAY JUNE JUL AUG SER OCT IN HEY DOKING GROWING SEASON: APK, MAY, JUN, JUL, AUG, SEP, OUT WEEDS SHOULD BE REMOVED BEFORE THEY ARE ALLOWED TO SET SEED. HAND-PULL WEEDS, TAKING CARE TO REMOVE THE ENTIRE ROOT MASS AND SHAKE ANY LOOSE SOIL BACK INTO THE PLANTING BED IS PREFERRED, IF HERBICIDE APPLICATIONS ARE USED, CARE SHOULD BE TAKEN TO AVOID CONTACT WITH NON-WEED PLANTS.
- IT IS EASIEST TO PULL WEEDS WHEN THE SOIL IS SOFT AFTER A RAIN IT IS EASIEST TO PULL WEEDS WHEN THE SOIL IS SOFT AFTER A RAIN AT A MINIMUM, THE FLOWERS OF THESE UNDESIRABLE SPECIES SHOULD BE CUT AND REMOVED BEFORE THEY SET SEED. AS THE PLANTINGS MATURE THEY SHOULD BECOME MORE ROBUST AND THE UNWANTED WEEDS SHOULD BE REDUCED. WEEDING THE PERENNIAL BEDS WILL TAKE APPROXIMATELY 90 MINIUTES FOR EVERY 1,000 SOUARE FEET OF PLANTING (USING A MINICIPATE OF THE PERENNIAL BEDS WILL DESCRIPTION OF THE PERENNIAL BEDS WILL TAKE APPROXIMATELY 90 MINIUTES FOR EVERY 1,000 SOUARE FEET OF PLANTING (USING A MINICIPATE OF THE PERENNIAL BUSINESS OF THE BUSINESS OF THE PERENNIAL BUSINESS OF THE BUSINESS OF TH
- PUSH HOE). THE WEEDING SHOULD BE DONE 3 TO 4 TIMES BETWEEN APRIL AND MID-JUNE AND ON AN AS-NEEDED BASIS BETWEEN MID-JUNE TO NOV.
- MID-JUNE TO NOV. WHEN UNCERTAIN ABOUT WHETHER A PLANT IS A WEED. IT MAY BE WHEN UNCERTAIN ABOUT WHETHER A PLANT IS A WEED, IT MAY BE HELPFUL TO LET IT GROW FOR A PERIOD OF TIME, AS THE LEAVES MATURE IT WILL BE EASIER TO MATCH IT TO THE PLANTS THAT WERE PLANTED BLEBERATELY AS PART OF THE DESIGN. IT MAY BE HELPFUL TO MAINTAIN A WEED DENTIFICATION PICTURE OF THE WEEDS THAT ARE COMMONLY FOUND, AS WELL AS A SPACE TO GROW PLANT IDENTIFICATION CHART FOR ALL PERENNIALS MEANT FOR ALL PERENNIALS MEANT
- TO BE IN THE GARDENS.
 IOWA STATE UNIVERSITY IS A GOOD SOURCE FOR WEED IDENTIFICATION RESOURCES, SEE HTTP://WWW.WEEDS.IASTATE.EDU/MGMT/QTR97-1/WEEDID.HTM
- HTTP://www.wEeDs.laSTaTE.EDU/MGMT/QTR97-1/WEEDID.HTM.
 PEST MANAGEMENT: INTEGRATED PEST MANAGEMENT (IPM)
 PROCEDURES SHOULD BE FOLLOWED TO CONTROL INSECTS AND
 DISEASES WITHIN SHRUB AND ORNAMENTAL PERENNIAL PLANT BEDS.
 IPM METHOS SHALL INCLUDE ESTABLISHING ACTION THRESHOLDS FOR
 CERTAIN DISEASES/PESTS. MONITORING DISEASE/PEST LEVELS, DEVELOPING PREVENTION STRATEGIES, AND IDENTIFYING CONTROL STRATEGIES, CONTROL METHODS MAY INCLUDE MECHANICAL REMOVAL (TRAPPING), OR HIGHLY TARGETED CHEMICAL TREATMENTS, SUCH AS PHEROMONE APPLICATIONS, BROADCAST SPRAYING OF NON-SELECTIVE PESTICIDES SHOULD BE AVOIDED AND USED ONLY AS A LAST RESORT

ONCE PER YEAR SPRING CLEAN-UP: APR

- THE SPRING CLEAN-UP SHOULD BE PERFORMED TO REMOVE
 ACCUMULATED WINTER DEBRIS FROM PLANT BEDS, AND PAVEMENT
- CLEAN UP SHOULD INCLUDE CUTTING BACK ORNAMENTAL GRASSES AND FLOWER STALKS FROM HERBACEOUS PLANTS FROM THE PREVIOUS SEASON'S GROWTH, CLEAN UP SHOULD BE COMPLETED BY APRIL 30 ACH YEAR
- SPRING CLEAN SHOULD INCLUDE THE REMOVAL OF WINTER PROTECTION
- SPRING CLEAN SHOULD INCLUDE THE REMOVAL OF WINTER PROTECTION DEVICES SUCH AS TREE WRAPPING AND BURLAP SNOW FENCE. TREE STAKING: INSPECT INSTALLED TREE STAKING OR REMOVE TREE STAKING FOR YOUNG TREES, NOTE: TREES SHOULD NOT BE STAKED FOR MORE THAN 1 TOTAL CALENDAR YEAR.
 WHEN FERTILIZING IS REQUIRED: SHRUBS, GROUNDCOVER, AND
- PERENNIALS IN PLANT BEDS SHOULD BE FERTILIZED IN THE SPRING. FERTILIZER SHALL BE OF A 1:1:1 RATIO, SHOULD CONSIST OF AT LEAST 50% SLOW RELEASE NITROGEN, SHOULD BE ACIDIC IN SOIL REACTION AND SHOULD BE APPLIED AT A RATE OF THREE POUNDS OF NITROGEN

- ONCE PER YEAR FALL CLEANUP: NOV 1.1. REMOVE LEAVES, BRANCHES AND SPENT PLANT MATERIAL FROM PLANT AND COBBLE BED AREAS, WINTER PROTECTION MEASURES AS REQUIRED
- HEREIN SHALL ALSO BE INSTALLED.
 CUT BACK NON-HARDY WOODY SHRUBS THAT INCUR FREQUENT DIE-BACK OF STEMS OVER THE WINTER SHOULD BE PRUNED BACK TO WITHIN 6 TO 12 INCHES FROM THE GROUND EACH. THIS INCLUDES PLANTS IN THE FOLLOWING GENUSES: ROSA, SPIREA, POTENTILLA AND
- PLANTS IN THE FOLLOWING GENUSES: ROSA, SPIREA, POTENTILLA AND DIERVILLA.
 ALL ORNAMENTAL GRASSES AND CERTAIN LATE-FLOWERING
 ORNAMENTAL PERENNIALS WITH DECORATIVE SEED HEADS, SUCH AS
 ASTER, ECHINACEA, RUDBECKIA, ETC. SHOULD BE ALLOWED TO KEEP
 THEIR SPENT FOLIAGE AND FLOWER HEADS THROUGH THE WINTER. MULCHING: PARTIALLY DECOMPOSED LEAF MULCH SHOULD BE APPLIED IN A 2 INCH LAYER TO ALL BARE AREAS IN MAY OF EACH YEAR. TREE STAKING: INSPECT INSTALLED TREE STAKING OR INSTALL TREE
- STAKING FOR YOUNG TREES
 TEMPORARY STAKING SHOULD BE PROVIDED TO YOUNG TREES THAT
- TEMPORARY STAKING SHOULD BE PROVIDED TO YOUNG THEES THAT ARE VULNERABLE TO WIND DAMAGE.
 STAKING METHODS SHOULD INCLUDE THE USE OF ADJUSTABLE, FLEXBLE TREE LOOPS MADE OF PLASTIC, OR RUBBER, ROPE AND WIRE CAN BE USED AS TIE-DOWNS, BUT SHOULD NOT BE IN CONTACT
- ONCE TREES ARE ESTABLISHED THE STAKING SHOULD BE REMOVED.

TREE CARE
BASIC MAINTENANCE SERVICES SHOULD INCLUDE THE MAINTENANCE OF TREES BASIC MAINTENANCE SERVICES SHOULD INCLUDE THE MAINTENANCE OF TREE AND SHRUBS, THE SCHEDULE FOR MAINTENANCE ACTIVITIES SHOULD BE DESIGNED TO PROMOTE THE HEALTHY GROWTH AND ENHANCE THE NATURAL BEAUTY OF THESE AREAS AND WILL INCLUDE PRUNING, MULCHING, STAKING, PEST MANAGEMENT, AND WINTER PROTECTION AND REPAIR MEASURES TO ENSURE HEALTHY, VIGOROUS PLANT GROWTH.

- MONTHLY: JAN. FEB. MAR. APR. MAY. JUN. JUL. AUG. SEP. OCT. NOV. DEC INSPECT TREES TO REMOVE ANY TORN AND HANGING BRANCHES. BRANCHES SHOULD BE PRUNED OFF WITH SHARP HAND SAWS OR
- NSPECT FOR DISEASED WOOD AND PRUNE AS SOON AS IT IS OBSERVED. INSPECT FOR DISEASED WOOD AND PRONE AS SOON AST IT IS DESERVED.

 TO AVOID EXPOSURE TO OAK WILT DISEASE, OAK TREES (ALL VARIETIES)

 SHOULD ONLY BE PRUNED WHEN THEY PLANTS ARE DORMANT (BETWEEN

 NOVEMBER AND MARCH).
- PEST MANAGEMENT

 INTEGRATED PEST MANAGEMENT (IPM) PROCEDURES SHOULD BE 1.3.1.
- FOLLOWED TO CONTROL INSECTS AND DISEASES ON TREES AND LARGE SHRUBS, IPM METHODS SHALL INCLUDE ESTABLISHING ACTION THRESHOLDS FOR CERTAIN DISEASES/PESTS, MONITORING ACTION THRESHOLDS FOR CETAIN DISEASES/FESTS, MONITORING DISEASE/FEST LEVELS, DEVELOPING PREVENTION STRATEGIES, AND IDENTIFYING CONTROL STRATEGIES. CONTROL METHODS MAY INCLUDE MECHANICAL REMOVAL (TRAPPING), OR HIGHLY TARGETED CHEMICAL TREATMENTS, SUCH AS PHEROMONE APPLICATIONS. BROADCAST SPRAYING OF NON-SELECTIVE PESTICIDES SHOULD BE AVAILABLE AND SECOND.
- AVOIDED AND USED ONLY AS A LAST RESORT

2. ONCE PER YEAR: DEC

- PRUNING: PRUNING SHOULD BE PRIMARILY PERFORMED DURING THE PRUNING: PRUNING SHOULD BE PRIMARILY PERFORMED DURING THE WINTER SEASON BETWEEN DECEMBER 15T AND MARCH 1ST WHEN PLANTS ARE DORMANT. PRUNING SHOULD BE PERFORMED TO REMOVE DISEASED OR DAMAGED WOOD AND TO MAINTAIN GENERAL FORM AND HABIT, ANY PRUNING EQUIPMENT USED TO REMOVE DISEASED WOOD SHOULD BE CLEANED WITH A BILEACH SOLUTION BEFORE USING IT ON OTHER PLANTS, OR NON-DISEASED WOOD FROM THE SAME PLANT, ALL DEBRIS FROM PRUNING ACTIVITIES SHALL BE REMOVED AND DISPOSED OF OFF-SITE, SERVICE PERSONNEL SHOULD TAKE CARE TO SWEEP WALKS AND DRIVES AFTER ACTIVITIES ARE COMPLETED, PRUNING
- WALKS AND DRIVES AFTER ACTIVITIES ARE COMPLETED. PRUNING SHOULD NEULUDE THE FOLLOWING: REMOVAL OF DISEASED OR DAMAGED WOOD. REMOVAL OF SUCKER GROWITHS AT THE BASE OF TREES. REMOVAL OF WATER SPROUTS FROM DORMANT OR ADVENTITIOUS BUDS ON THE TRUNKS OR MAIN BRANCHES OF TREES.
- REMOVAL OF FORKED OR COMPETING LEADERS ON SMALLER TREES. WINTER PROTECTION AND REPAIR METHODS: COMMERCIAL-GRADE TREE WRAPS SHOULD BE INSTALLED ON ALL YOUNG TREES THAT ARE SUSCEPTIBLE TO SUN SCALD IN THE WINTER, THIS INCLUDES PLANTS OF THE FOLLOWING GENUSES: PRUNUS, MALUS, GLEDITSIA, TILIA, ACER,
- PLATANUS.
 TREE WRAPS SHALL BE INSTALLED DURING THE FALL CLEANUP IN NOVEMBER AND REMOVED DURING THE SPRING CLEANUP IN APRIL. ANY SUN SCALD DAMAGE OCCURRING TO THE OUTER BARK OF YOUNG TREES SHOULD BE REMOVED WITH A SHARP CLEAN KNIFE.



EPARTMENT OF FACILITIES APITAL IMPROVEMENT PROGRAM



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S WENTWORTH ELEMENTARY SCHOOL SPACE TO GROW

1340 WEST 71ST STREET

PROJECT NO. 2021-25811-NCP REVISIONS 01/21/2021 60% CONSTRUCTION DOCUMENT RAWN BY: LE

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OPERATIONS AND MAINTENANCE PLAN

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