

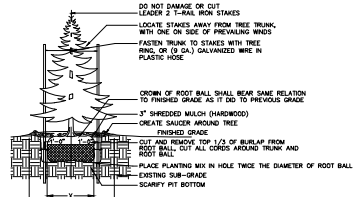
LANDSCAPE SPECIFICATIONS

- A. GENERAL**
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING AND VERIFY SITE CONDITIONS AND INFORMATION ON DRAWINGS. PROMPTLY REPORT ANY CONCEALED CONDITIONS, DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS. THE OWNER IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES OR EXTRA WORK REQUIRED TO CORRECT UNEXPECTED DISCREPANCIES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY CLEANUP OF ALL TRASH AND DEBRIS FROM HIS WORK.
 - CONTRACTOR SHALL SECURE AND PAY FOR PERMITS, FEES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK. CONTRACTOR SHALL COMPLY WITH APPLICABLE LOCAL CODES AND LANDSCAPE DESIGN STANDARDS IN THE PERFORMANCE OF THE WORK.
 - LANDSCAPE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSURANCE FOR WORKMAN'S COMPENSATION AND GENERAL LIABILITY.
 - MINOR ADJUSTMENTS TO PLANT LOCATIONS MAY BE NECESSARY DUE TO FIELD CONDITIONS, FINAL GRADING, AND UTILITY LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY MAJOR ADJUSTMENTS BEFORE BEING MADE.
 - NO SUBSTITUTIONS IN TYPE OR SIZE WILL BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM OWNER'S REPRESENTATIVE. PLANTS NOT CONFORMING TO PLANT LIST SHALL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL AND MAY BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - ALL LANDSCAPE WORK SHALL BE IN ACCORDANCE TO STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE ILLINOIS STANDARDIZED LANDSCAPE SPECIFICATIONS (SLSA), AMERICAN ASSOCIATION OF NURSERMEN, AND LOCAL LANDSCAPE ORDINANCES.
 - CONTRACTOR SHALL PROVIDE UNIT PRICING FOR ALL MATERIALS UNLESS STATED OTHERWISE BY BD DOCUMENTS.
- B. SITE PREPARATION**
- FINE GRADE LANDSCAPE AREAS TO SMOOTH, FREE DRAINING, EVEN SURFACE, FREE OF LARGE STONES, DEBRIS, AND DEPRESSIONS.
 - SITE FOR SEEDING TO HAVE A MINIMUM OF 6" OF TOPSOIL APPLIED BEFORE SEEDING.
 - AREAS OF WEED GROWTH SHALL BE HERBICIDED AND REMOVED OR TILLED, RAKED AND REMOVED PRIOR TO SEEDING.
 - NO SEEDING SHALL START UNTIL FINAL GRADES HAVE BEEN APPROVED BY THE OWNER. SEEDING DONE WITHOUT GRADE APPROVAL MAY RESULT IN AREAS BEING RESEDED AT CONTRACTOR'S EXPENSE.
 - PLANTING AREAS CREATED WITHIN EXISTING PARKING LOTS SHALL BE EXCAVATED A MINIMUM OF 3 FEET BELOW PAVEMENT SURFACE. EXCAVATED MATERIAL SHALL BE REMOVED AND NOT MIXED WITH PLANTING MIX. PROVIDE UNDERDRAINAGE AS SHOWN ON PLANS AND DETAILS.
- C. PLANTINGS AND TOPSOIL**
- PLANTING MIX FOR TREES AND SHRUBS SHALL CONSIST OF 40% ACCEPTABLE, ORGANIC TOPSOIL AND 40% MUSHROOM COMPOST, OR OTHER MEDIUM APPROVED BY OWNER.
 - ALL PLANTS SHALL BE NURSERY GROWN WITH SHAPES AND DIMENSIONS IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK. ALL PLANTS SHALL HAVE PLANT TAGS AT TIME OF INSTALLATION.
 - ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY AND WIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, SHALL BE FREE OF DISEASE AND INSECT PESTS, EGGS OR LARVAE, AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS.
 - BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH, OF DIAMETER AND DEPTH TO INCLUDE MOST OF THE FIBROUS ROOTS. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD THE SOIL TOGETHER FIRM AND WHOLE. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
 - ROOT BALLS OF ALL PLANTS SHALL BE ADEQUATELY PROTECTED AT ALL TIMES FROM SUN AND DRYING WINDS OR FROST. PLANTS WITH BROKEN ROOT BALLS OR EXCESSIVE DAMAGE TO THE CROWN SHALL BE REPLACED PRIOR TO PLANTING. THE TOP 1/3 OF BURLAP SHALL BE PULLED BACK AT PLANTING TIME AND ALL THREES AROUND TREE TRUNKS SHALL BE CUT AND REMOVED.
 - SHRUB, PERENNIAL AND GROUND COVER MASSS SHALL BE PLACED IN PLANTING BEDS PREPARED TO INCLUDE 10-10-10 FERTILIZER TO PLANTING SOIL AT THE RATE OF 1/2 POUND PER CUBIC YARD OF PLANTING SOIL. A PRE-EMERGENCE HERBICIDE SHALL BE APPLIED TO THE PLANTING BED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PLANTING BEDS SHALL BE MULCHED WITH GROUND HARDWOOD MULCH, MINIMUM 7" THICK.
 - SHRUB BEDS AND TREES SHALL BE MULCHED WITH HARDWOOD MULCH AS NOTED.
 - DO NOT LOCATE PLANTS WITHIN 10 FEET OF FIRE HYDRANTS, TRANSFORMERS, OR OTHER ABOVE GROUND UTILITIES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
 - ALL BARE LINES AND TREE SAUCERS SHALL REQUIRE A HAND-SPRAGED EDGE BETWEEN LAWN AND MULCHED AREAS UNLESS NOTED OTHERWISE.
 - NO BARE ROOT PLANT MATERIAL ALLOWED, UNLESS APPROVED IN WRITING FROM THE OWNER.
- D. FERTILIZER AND AMENDMENTS**
- DURING SITE PREPARATION AND PRIOR TO SEEDING, APPLY A GRANULAR, NON-BURNING FERTILIZER OF NOT LESS THAN 50% ORGANIC SOLUBLE PRODUCT AT A RATE OF 8 LBS. PER 1,000 SQUARE FEET.
 - STARTER FERTILIZER SHALL HAVE AN APPROXIMATE ANALYSIS OF 6-24-24 OR SIMILAR APPROVED COMPOSITION.
 - APPLY FERTILIZER BY MECHANICAL MEANS THOROUGHLY AND EVENLY DISTRIBUTED WITH SOIL BY DIGGING, TO A DEPTH OF 3".
 - CONTRACTOR SHALL APPLY A PRE-EMERGENCE HERBICIDE TO ALL PLANTING BEDS BEFORE APPLICATION OF MULCH.
- E. TURF**
- GRASS SEED SHALL BE CLEAN, CERTIFIED SEED FREE OF NOXIOUS WEEDS AND MIXED TO THE APPROPRIATE PROPORTIONS BY WEIGHT ACCORDING TO PERCENT BY SPECIES INDICATED.
 - SEED AND SOD CERTIFICATION TAGS SHALL BE PROVIDED TO THE OWNER FOR APPROVAL PRIOR TO INSTALLING. CONTRACTOR SHALL SUBMIT SOD GROWER'S CERTIFICATION OF GRASS SPECIES AND IDENTIFY LOCATION.
 - KURF SEED MIX UNLESS SPECIFIED OTHERWISE ON THE PLANS, SHALL CONSIST OF THE FOLLOWING SPECIES PROPORTIONED BY WEIGHT AS FOLLOWS: 40% TURFGRASS BLUEGRASS (MIN 3 VARIETIES), 25% CREEPING RED FESCUE (DAWSON), 15% TURF-FYRE PERENNIAL RyEBLASS, 20% HARD FESCUE (WARWICK).
 - SEED SHALL BE APPLIED AT A RATE OF 5 LBS. PER 1,000 SQUARE FEET, UNLESS NOTED OTHERWISE.
 - APPLY SEED WITH A ROTARY OR DROP-TYPE DISTRIBUTOR, OR MECHANICAL SPLIT-SEEDER. INSTALL SEED EVENLY BY SOWING EQUAL QUANTITIES IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH OTHER. AFTER SEEDING, RAKE SOIL SURFACE LIGHTLY TO INCORPORATE SEED INTO SURFACE. ROLL WITH LIGHT LAWN ROLLER.
 - WITHIN 24 HOURS SEEDED AREAS SHALL BE MULCHED WITH PELLETED STRAW MULCH (100 LBS/2,000 SF), MULCH BLANKETS, OR HYDRO MULCH AT THE RATE OF 1,500 LBS/ACRE. IF STRAW MULCH IS USED, IT SHALL BE SPREAD UNIFORMLY AT 2.5 TONS PER ACRE, AND CRIMPED INTO SOIL. ON SLOPES OF 5% OR STEEPER, LANDSCAPE MULCH BLANKETS SHALL BE USED.
 - NATIVE SEED, IF SPECIFIED, SHALL BE INSTALLED WITH A COVER CROP PER SEED VENDOR RECOMMENDATIONS. NATIVE SEED AREAS SHALL NOT REQUIRE FERTILIZER.
 - SOD SHALL BE A CERTIFIED TURF GRASS CONTAINING A MINIMUM OF THREE VARIETIES OF BLUEGRASS, UNLESS NOTED DIFFERENTLY ON THE PLANS AND OUT AT A UNIFORM THICKNESS OF 3/4". INSTALL SOD WITHIN 48 HOURS OF CUTTING FROM NURSERY. SOD SHALL BE MINERAL BASE ONLY. SOD SHALL BE ROLLED AND STAKED ON SLOPES.

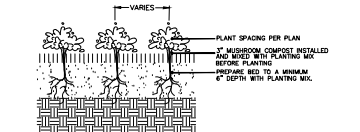
PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME / COMMON NAME	SIZE
8- DEU N12	1	Acer sycamore / Sycamore	2.5' dbh, BB
268 4- TUR SOD	2	Acer nigrum / Black Maple	2.5' dbh, BB
3- HOS BR2	2	Acer x freemanii / Freeman Maple	2.5' dbh, BB
2- ACE STA	1	Carpinus betulus / European Hornbeam	2.5' dbh, BB
3- HYD B62	2	Carpinus caroliniana / Native Flame Hornbeam	8-10" H, BB
3- CAL AR1	2	Quercus robur / Pyramidal English Oak	2.5' dbh, BB
5- ALL TAN	1		
5- RUD V12	1		
1- PIN CEM	1		
1- THU SMA	1		
3- ITE VIR	1		
3- HYD ANN	1		
360- MX FE2	1		
3- ITE VIR	1		
1- AME GRA	1		
3- CER EAS	1		
3- SPI ANT	1		
3- CHA LAS	1		
4- HOS BR2	1		
3- TAX HIC	1		
1- AME SER	1		
37- PAC GRE	1		

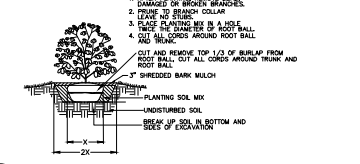
- F. MAINTENANCE-WARRANTY**
- MAINTENANCE PERIOD BEGINS AFTER EACH AREA IS PLANTED AND CONTINUES UNTIL PLANTINGS ARE ACCEPTABLY HEALTHY AND WELL-ESTABLISHED, BUT NOT FOR LESS THAN THE TYPICAL MAINTENANCE PERIODS NOTED BELOW:
 - TREES/SHRUBS: MINIMUM 12 MONTHS
 - PERENNIALS/GROUNDCOVERS: MINIMUM 3 MONTHS (BEGINNING AFTER FIRST MORNING-2:30 HEIGHT)
 - SEDED AREAS: MINIMUM 3 MONTHS
 - MAINTENANCE SHALL INCLUDE PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, ADJUSTING, REPAIRING, AND SPRAYING TO KEEP PLANTS FREE OF INSECTS AND DISEASE AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SEDED AREAS SHALL BE WATERED AT A RATE MEETING A MINIMUM OF 1" PER WEEK DURING ESTABLISHMENT, AND THROUGHOUT THE MAINTENANCE PERIOD. EXCESSIVE SURFACE WATERAGE EXCEEDING 30% OVER ANY 15 SQUARE FEET AREA AND BARE SPOTS NOT EXCEEDING 8" X 5". AREAS NOT MEETING THIS CRITERIA SHALL BE RE-SEDED AT CONTRACTOR'S EXPENSE.
 - PLANT MATERIAL SHALL BE WARRANTED AGAINST DEATH AND UNSATISFACTORY GROWTH FROM THE DATE OF SUBSTANTIAL COMPLETION AT 100% OF INSTALLED PRICE AS FOLLOWS:
 - TREES AND SHRUBS: 12 MONTHS
 - PERENNIALS/GROUNDCOVERS: 3 MONTHS
 - SEDED AREAS: 3 MONTHS
 - PLANT MATERIAL INSTALLED IN THE FALL (SEPTEMBER OR LATER) SHALL HAVE MAINTENANCE AND WARRANTY POSTPONED TO SPRING SEASON.
 - LAWN / SEDED AREAS SHALL BE PROTECTED AT THE END OF THE MAINTENANCE PERIOD A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHALL BE ESTABLISHED. EXCESSIVE WEEDS, DEBRIS, AND SURFACE WATERAGE EXCEEDING 30% OVER ANY 15 SQUARE FEET AREA AND BARE SPOTS NOT EXCEEDING 8" X 5". AREAS NOT MEETING THIS CRITERIA SHALL BE RE-SEDED AT CONTRACTOR'S EXPENSE.
 - ANY NECESSARY MEASURES TO MEET THE ABOVE CRITERIA IS TO BE INCLUDED IN THE COST OF INSTALLATION. WATERING FOR SEASONAL PLANTING TIMES ARE INCIDENTAL TO THE CONTRACT.
 - ANY PLANT MATERIAL FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITHIN 30 DAYS OF NOTIFICATION OR IN GROWTH SEASON DETERMINED TO BE BEST FOR PLANT.



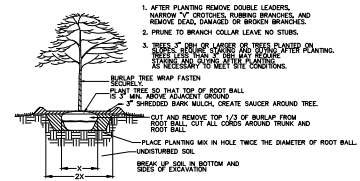
1 CONIFEROUS TREE DETAIL
SCALE: NOT TO SCALE



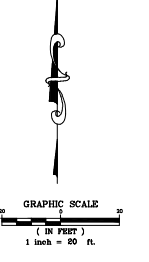
2 ANNUAL, PERENNIAL & GROUND COVER DETAIL
SCALE: NOT TO SCALE



3 SHRUB PLANTING DETAIL
SCALE: NOT TO SCALE



4 TREE PLANTING DETAIL
SCALE: NOT TO SCALE



THIS SPACE IS FOR CLIENT OR CITY PROJECT NO.

18-1000094

PREPARED BY: LAND SURVEYOR ENGINEER PROJECT NO. 20180546
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PREPARED FOR: CHICAGO COMMONS

DATE	NO.	REVISION	BY	SHEET TITLE
10-8-2018	1	Per City of Naperville Review Letter	RKS	PRELIMINARY LANDSCAPE PLAN
SCALE: DRAWN 1" = 20'				
CHECKED: DATE: PROJECT NO. SHEET				
			RKS	8-23-2018 318-0546 1 OF 1

EXHIBIT E