# LANDSCAPE SPECIFICATIONS

- 1. 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 UNREPORTED DISCREPANCIES.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP OF ALL TRASH AND DEBRIS FROM HIS WORK.
- 3. 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.
- 4. LANDSCAPE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSURANCE FOR WORKMAN'S COMPENSATION AND GENERAL LIABILITY.
- 5. MINOR ADJUSTMENTS TO PLANT LOCATIONS MAY BE NECESSARY DUE TO FIELD CONDITIONS, FINAL GRADING, AND UTILITY LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER IF MAJOR ADJUSTMENTS ARE REQUIRED.
- 6. 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.
- 7. ALL LANDSCAPE WORK SHALL BE IN ACCORDANCE TO STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE ILLINOIS STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA), AMERICAN ASSOCIATION OF NURSERYMAN, AND LOCAL LANDSCAPE ORDINANCES.
- 8. CONTRACTOR SHALL PROVIDE UNIT PRICING FOR ALL MATERIALS UNLESS STATED OTHERWISE BY BID DOCUMENTS.

### SITE PREPARATION

- 1. FINE GRADE LANDSCAPE AREAS TO SMOOTH, FREE DRAINING, EVEN SURFACE, FREE OF LARGE STONES, DEBRIS, AND DEPRESSIONS.
- 2. SITE FOR SEEDING TO HAVE A MINIMUM OF 6" OF TOPSOIL APPLIED BEFORE SEEDING.
- 3. AREAS OF WEED GROWTH SHALL BE HERBICIDED AND REMOVED OR TILLED, RAKED AND REMOVED PRIOR TO SEEDING.
- 4. NO SEEDING SHALL START UNTIL FINAL GRADES HAVE BEEN APPROVED BY THE OWNER. SEEDING DONE WITHOUT GRADE APPROVAL MAY RESULT IN AREAS BEING RESEEDED AT CONTRACTOR'S EXPENSE.
- 5. 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 NECESSARY OR AS SHOWN ON PLANS AND DETAILS.

## C. PLANTINGS AND TOPSOIL

- 1. PLANTING MIX FOR TREES AND SHRUBS SHALL CONSIST OF 60% ACCEPTABLE, ORGANIC TOPSOIL AND 40% MUSHROOM COMPOST, OR OTHER MEDIUM APPROVED BY OWNER.
- 2. 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.
- 3. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY AND VIGOROUS, 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.
- 4. 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 ITS SOIL TOGETHER FIRM AND WHOLE. NO PLANTS SHALL BE LOOSE IN THE CONTAINER.
- 5. 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 TWINES AROUND TREE TRUNKS SHALL BE CUT AND REMOVED.
- 6. SHRUB, PERENNIAL AND GROUND COVER MASSES 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 3" THICK.
- 7. SHRUB BEDS AND TREES SHALL BE MULCHED WITH HARDWOOD MULCH AS NOTED.
- 8. DO NOT LOCATE PLANTS WITHIN 10 FEET OF FIRE HYDRANTS, TRANSFORMERS, OR OTHER ABOVE GROUND UTILITIES UNLESS NOTED OTHERWISE ON THE
- 9. ALL BED LINES AND TREE SAUCERS SHALL REQUIRE A HAND-SPADED EDGE BETWEEN LAWN AND MULCHED AREAS UNLESS NOTED OTHERWISE.
- 10. NO BARE ROOT PLANT MATERIAL ALLOWED, UNLESS APPROVED IN WRITING FROM THE OWNER.

### D. FERTILIZER AND AMENDMENTS

- 1. DURING SITE PREPARATION AND PRIOR TO SEEDING, APPLY A GRANULAR, NON-BURNING FERTILIZER OF NOT LESS THAN 50% ORGANIC SLOW RELEASE PRODUCT AT A RATE OF 8 LBS. PER 1,000 SQUARE FEET.
- 2. STARTER FERTILIZER SHALL HAVE AN APPROXIMATE ANALYSIS OF 6:24:24 OR SIMILAR APPROVED COMPOSITION.
- 3. APPLY FERTILIZER BY MECHANICAL MEANS THOROUGHLY AND EVENLY DISTRIBUTED WITH SOIL BY DISKING, TO A DEPTH OF 3".
- 4. CONTRACTOR SHALL APPLY A PRE-EMERGENT HERBICIDE TO ALL PLANTING BEDS BEFORE APPLICATION OF MULCH.

- 1. GRASS SEED SHALL BE CLEAN, CERTIFIED SEED FREE OF NOXIOUS WEEDS AND MIXED TO THE APPROPRIATE PROPORTIONS BY WEIGHT ACCORDING TO PERCENT BY
- 2. 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.
- 3. TURF SEED MIX, UNLESS SPECIFIED OTHERWISE ON THE PLANS, SHALL CONSIST OF THE FOLLOWING SPECIES PROPORTIONED BY WEIGHT AS FOLLOWS: 40% KENTUCKY BLUEGRASS (MIN 3 VARIETIES), 25% CREEPING RED FESCUE (DAWSON), 15% TURF-TYPE PERENNIAL RYEGRASS, 20% HARD FESCUE (WARWICK).
- 4. SEED SHALL BE APPLIED AT A RATE OF 5 LBS. PER 1,000 SQUARE FEET, UNLESS NOTED OTHERWISE.

BOTANICAL NAME / COMMON NAME

Taxus media `Hicksii` / Hicks Yew

Maintain as trimmed hedge at 4`-5` Ht.

BOTANICAL NAME / COMMON NAME

Chasmanthium latifolium / Northern Sea Oats

Miscanthus sinensis `Gracillimus` / Maiden Grass

Taxus x media `Everlow` / Yew

Upright form

2,566 sf Turf Sod / Bluegrass Blend

Buxus x `Green Gem` / Green Gem Boxwood

Ilex x meserveae `Willemer` / Emerald Magic Holly

Thuja occidentalis `Smaragd` / Emerald Green Arborvitae

Thuja occidentalis `Woodwardii` / Woodward Arborvitae

Chamaecyparis obtusa `Nana Gracilis` / Dwarf Hinoki False Cypress

Calamagrostis arundinacea `Karl Foerster` / Foerster`s Feather Grass

Hakonechloa macra `Aureola` / Golden Variegated Hakonechloa

Allium tanguticum `Summer Beauty` / Summer Beauty Globe Lily

Rudbeckia fulgida speciosa `Viette`s Little Suzy` / Little Suzy Black-eyed Susan

Mix perennial-shade1 `Geranium, Purple Coral Bell, Leat / Wild Geranium, Purple Palace Heuchera, Fern

Pachysandra terminalis `Green Carpet` / Japanese Spurge

Hemerocallis hybrid `Stella de Oro` / Stella de Oro Daylily

Hosta sieboldiana `Elegans` / Sieboldiana Elegans Hosta

Salvia x superba `May Night` / Meadow Sage

- DIRECTIONS AT RIGHT ANGLES TO EACH OTHER. AFTER SEEDING, RAKE SOIL SURFACE LIGHTLY TO INCORPORATE SEED INTO SURFACE. ROLL WITH LIGHT LAWN
- 6. WITHIN 24 HOURS SEEDED AREAS SHALL BE MULCHED WITH PELLETIZED STRAW MULCH (100 LBS/1,000 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 5:1 OR STEEPER, LANDSCAPE MULCH BLANKETS SHALL BE USED.
- 7. NATIVE SEED, IF SPECIFIED, SHALL BE INSTALLED WITH A COVER CROP PER SEED VENDOR RECOMMENDATIONS. NATIVE SEED AREAS SHALL NOT REQUIRE FERTILIZER.
- 8. SOD SHALL BE A CERTIFIED TURF GRASS CONTAINING A MINIMUM OF THREE VARIETIES OF BLUEGRASS, UNLESS NOTED DIFFERENTLY ON THE PLANS AND CUT AT A UNIFORM THICKNESS OF 3/1. INSTALL SOD WITHIN 48 HOURS OF CUTTING FROM NURSERY. SOD SHALL BE MINERAL BASE ONLY. SOD SHALL BE ROLLED AND STAKED ON SLOPES.

24" sprd,BB

3` Ht-Evg

2` Ht-Evg

5 gal-Evg

18" sprd,BB

6` Ht-Evg,BB

18" sprd,BB

3 gal

1 gal

3 gal

5 gal

SIZE

1 gal

1 gal

1 gal

1 gal

SIZE

sod (sq.ft.)

<u>SPACING</u>

10" o.c.

18" o.c.

18" o.c.

18" o.c.

18" o.c.

30" o.c.

12" o.c.

GRAPHIC SCALE ( IN FEET 1 inch = 20 ft.

F. MAINTENANCE - WARRANTY

a. TREES/SHRUBS:

c. SEEDED AREAS:

a. TREES AND SHRUBS:

c. SEEDED ARÉAS:

INCIDENTAL TO THE CONTRACT.

BE BEST FOR PLANT.

PRICE AS FOLLOWS:

FOR LESS THAN THE TYPICAL MAINTENANCE PERIODS NOTED BELOW:

b. PERENNIALS/GROUNDCOVERS: MINIMUM 3 MONTHS

b. PERENNIALS/GROUNDCOVES: 3 MONTHS

MINIMUM 12 MONTHS

EXCEEDING 5" X 5". AREAS NOT MEETING THIS CRITERIA SHALL BE RE-SEEDED AT CONTRACTOR'S EXPENSE.

12 MONTHS

SHRUB PLANTING DETAIL **SCALE: NOT TO SCALE** 

> 1. AFTER PLANTING REMOVE DOUBLE LEADERS, NARROW "V" CROTCHES, RUBBING BRANCHES, AND REMOVE DEAD, DAMAGED OR BROKEN BRANCHES. 2. PRUNE TO BRANCH COLLAR LEAVE NO STUBS. BURLAP TREE WRAP FASTEN
> SECURELY PLANT TREE SO THAT TOP OF ROOT BALL
> IS 3" MIN. ABOVE ADJACENT GROUND - 3" SHREDDED BARK MULCH, CREATE SAUCER AROUND TREE. CUT AND REMOVE TOP 1/3 OF BURLAP FROM
> ROOT BALL, CUT ALL CORDS AROUND TRUNK AND
> ROOT BALL ---PLACE PLANTING MIX IN HOLE TWICE THE DIAMETER OF ROOT BALL. —UNDISTURBED SOIL TREE PLANTING DETAIL

**SCALE: NOT TO SCALE** 

MAINTENANCE PERIOD BEGINS AFTER EACH AREA IS PLANTED AND CONTINUES UNTIL PLANTINGS ARE ACCEPTABLY HEALTHY AND WELL-ESTABLISHED, BUT NOT

INSECTS AND DISEASE AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SEEDED AREAS SHALL BE WATERED AT A RATE MEETING A MINIMUM OF 1"

3. PLANT MATERIAL SHALL BE WARRANTED AGAINST DEATH AND UNSATISFACTORY GROWTH FROM THE DATE OF SUBSTANTIAL COMPLETION AT 100% OF INSTALLED

5. LAWN/ SEEDED AREAS SHALL BE ACCEPTED PROVIDED AT THE END OF THE MAINTENANCE PERIOD A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN

6. ANY NECESSARY MEANS TO MEET THE ABOVE CRITERIA IS TO BE INCLUDED IN THE COST OF INSTALLATION. WATERING FOR SEASONAL PLANTING TIMES ARE

7. ANY PLANT MATERIAL FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITHIN 30 DAYS OF NOTIFICATION OR IN GROWTH SEASON DETERMINED TO

DO NOT DAMAGE OR CUT -LEADER 2 T-RAIL IRON STAKES

LOCATE STAKES AWAY FROM TREE TRUNK

WITH ONE ON SIDE OF PREVAILING WINDS FASTEN TRUNK TO STAKES WITH TREE

CROWN OF ROOT BALL SHALL BEAR SAME RELATION - TO FINISHED GRADE AS IT DID TO PREVIOUS GRADE

ROOT BALL, CUT ALL CORDS AROUND TRUNK AND ROOT BALL

PLACE PLANTING MIX IN HOLE TWICE THE DIAMETER OF ROOT BALL

PLANT SPACING PER PLAN

-PREPARE BED TO A MINIMUM

6" DEPTH WITH PLANTING MIX.

BEFORE PLANTING

ANNUAL, PERENNIAL & GROUND COVER DETAIL

2. PRUNE TO BRANCH COLLAR LEAVE NO STUBS.

-3" SHREDDED BARK MULCH

- PLANTING SOIL MIX

-UNDISTURBED SOIL

3. PLACE PLANTING MIX IN A HOLE TWICE THE DIAMETER OF ROOT BALL

4. CUT ALL CORDS AROUND ROOT BALL AND TRUNK.

BREAK UP SOIL IN BOTTOM AND SIDES OF EXCAVATION

CUT AND REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL, CUT ALL CORDS AROUND TRUNK AND ROOT BALL

.3" MUSHROOM COMPOST INSTALLED AND MIXED WITH PLANTING MIX

RING, OR (9 GA.) GALVANIZED WIRE IN

-3" SHREDDED MULCH (HARDWOOD)

- CREATE SAUCER AROUND TREE

FINISHED GRADE

EXISTING SUB-GRADE

**CONIFEROUS TREE DETAIL** 

► VARIES -

**SCALE: NOT TO SCALE** 

SCALE: NOT TO SCALE

**─**X **─** 

—— SCARIFY PIT BOTTOM

-0"

ESTABLISHED, FREE OF WEEDS, DEBRIS, AND SURFACE IRREGULARITIES WITH COVERAGE EXCEEDING 90% OVER ANY 10 SQUARE FEET AREA AND BARE SPOTS NOT

PER WEEK DURING ESTABLISHMENT, AND THROUGHOUT THE MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE. WATERING OF TREES AND SHRUBS SHALL CONSIST

MINIMUM 3 MONTHS (BEGINNING AFTER FIRST MOWING-2.5" HEIGHT)

4. PLANT MATERIAL INSTALLED IN THE FALL (SEPTEMBER OR LATER) SHALL HAVE MAINTENANCE AND WARRANTY POSTPONED TO SPRING SEASON.

2. MAINTENANCE SHALL INCLUDE PRUNIING, CULTIVATING, WATERING, WEEDING, FERTILZING, ADJUSTING, REPAIRING, AND SPRAYING TO KEEP PLANTS FREE OF

OF A THOROUGH SOAKING EVERY 18 DAYS AT MINIMUM, BETWEEN APRIL 15 AND NOVEMBER 15, UNLESS CONDITIONS REQUIRE MORE OR LESS FREQUENT

THIS SPACE IS FOR CLIENT OR CITY PROJECT NO.

18-10000094

SHFFT

1 OF 1

NGINEER 20180546

PER LIT

RHU GRO

SPI ANT

SYR MEY

VIB BL2

VIB BLA

WEI S14

HEU C50

HOS BR2

ANNUALS/PERENNIALS

Ruettiger, Tonelli & Associates, Inc.

Perovskia atriplicifolia `Little Spire` TM / Little Spire Russian Sage

Spiraea x bumalda `Anthony Waterer` / Anthony Waterer Spirea

Viburnum dentatum `Christors` TM / Blue Muffin Arrowwood

Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac

Weigela florida `Spilled Wine` / Spilled Wine Weigela

Hosta sieboldiana `Bressingham Blue` / Plantain Lily

Syringa meyeri `Palibin` / Dwarf Korean Lilac

Viburnum prunifolium / Blackhaw Viburnum

Heuchera x `Citronelle` / Yellow Coral Bells

BOTANICAL NAME / COMMON NAME

Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultant 129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404 PH. (815) 744-6600 FAX (815) 744-0101

website: www.ruettigertonelli.com

CHICAGO COMMONS

ALL TAN

HEM ORO

HOS SI2

MIX FE2

**RUD VI2** 

SAL NIG

SOD/SEED

TUR SOD

GRNDCOVER/PERENNIALS QTY

3 gal

3 gal

5 gal

2.5` Ht

5` Ht. BB

3` Ht

3 gal

1 gal

PREPARED FOR:

10-8

SHEET TITLE PRELIMINARY LANDSCAPE PLAN Per City of Naperville Review Letter DRAWN CHECKED PROJECT NO. 1" = 20' ECH RKS 8-23-2018 318-0546