|                            | UPLAND SEED MIX                       | ALL CDECIEC                           |
|----------------------------|---------------------------------------|---------------------------------------|
| ,                          | Otal 60%) (must include A             | · · · · · · · · · · · · · · · · · · · |
| BIG BLUE STEM              | Andropogon gerardii                   | 10-25%                                |
| CANADA WILD RYE            | Elymus canadensis                     | 10-25%                                |
| SWITCH GRASS               | Panicum virgatum                      | 10-25%                                |
| LITTLE BLUE STEM           | Schizachyrium scoparium               | 10-25%                                |
| Indian Grass               | Sorghastrum nutans                    | 10-25%                                |
| SAND DROPSEED              | Sporolbolus cryptandrus               | 5-10%                                 |
| SUPPLEME                   | ntary Grasses (Optional)              | UP TO 5%)                             |
| JUNE GRASS                 | Koeleria macrantha                    | 1-5%                                  |
| ROUGH DROPSEED             | Sporobolus asper                      | 1-5%                                  |
| BROOM SEDGE                | Andropogon viginicus                  | 1-5%                                  |
| FORBES (TO                 | DTAL 25%) (MUST INCLUDE A             | LL SPECIES)                           |
| BUTTERFLY MILKWEED         | Asclepias tuberosa                    | 2-10%                                 |
| SHOWY TICK TREFOIL         | Desmodium canadense                   | 2-10%                                 |
| ROUND-HEADED BUSH-CLOVER   | Lespedeza capitata                    | 2-10%                                 |
| WILD BERGAMOT              | Monarde fistulosa                     | 2-10%                                 |
| FOXGLOVE BEARDTONGUE       | Penstemon digitalis                   | 2-10%                                 |
| HAIRY BEARDTONGUE          | Penstemon hirsutus                    | 2-10%                                 |
| VIRGINIA MOUNTAIN MINT     | Pycnanthemum virginianum              | 2-10%                                 |
| GREY-HEADED CONEFLOWER     | Ratibida pinnata                      | 2-10%                                 |
| BLACK EYED SUSAN           | Rudbedka hirta                        | 2-10%                                 |
| STIFF GOLDENROD            | Solidago rigida                       | 1-2%                                  |
| COMMON EVENING PRIMROSE    | Oenothera biennis                     | 1-2%                                  |
| SUPPLEMENTAR               | Y FORBES (OPTIONAL UP TO              | 8% OF FORBS)                          |
| HOG-PEANUT                 | Amphicarpa bracteata                  | 1-8%                                  |
| FIELD PUSSYTOES            | Antennaria neglecta                   | 1-8%                                  |
| WILD COLUMBINE             | Aquilegia canadensis                  | 1-8%                                  |
| SULLIVANT'S MILKWEED       | Asclepias sulivantii                  | 1-8%                                  |
| HEATH ASTER                | Aster ericoides                       | 1-8%                                  |
| SMOOTH ASTER               | Aster laevis                          | 1-8%                                  |
| CALICO ASTER               | Aster lateriflorus                    | 1-8%                                  |
| NEW ENGLAND ASTER          | Aster novae-angliae                   | 1-8%                                  |
| SKY-BLUE ASTER             | Aster oolentangiensis                 | 1-8%                                  |
| TALL COREOPSIS             | Coreopsis tripteris                   | 1-8%                                  |
| FLOWERING SPURGE           | Euphorbia correllata                  | 1-8%                                  |
| WOODLAND SUNFLOWER         | Helianthus divaricatus                | 1-8%                                  |
| TALL SUNFLOWER             | Helianthus giganteus                  | 1-8%                                  |
| TALL BLUE LETTUCE          | Lactuca biennis                       | 1-8%                                  |
| HAIRY BUSH-CLOVER          | Lespedeza hirta                       | 1-8%                                  |
| WAND-LIKE BUSHCLOVER       | Lespedeza intermedia                  | 1-8%                                  |
| ROUGH BLAZING STAR         | Liatris aspera                        | 1-8%                                  |
| HOARY PUCCOON              | Lidins aspera  Lithospermum canescens | 1-8%                                  |
| GRAY GOLDENROD             | ·                                     | 1-8%                                  |
| RIDDEL'S GOLDENROD         | Solidago nemoralis Solidago riddellii | 1-8%                                  |
| WRINKLE L-LEAVED GOLDENROD | Solidaga rugusa                       | 1-8%                                  |
| YELLOW PIMPEMEL            |                                       | 1-8%                                  |
| I LLLOVY FIIVIPEIVIEL      | Taenidia integemima                   | Ι-δ%                                  |

### **SEEDING NOTES:**

 APPLICATION TO BE MADE AS SOON AS POSSIBLE FOLLOWING COMPLETION OF WORK, INCLUDING PLANTING OF BUFFER TREES AND SHRUBS.

- IDEAL RECOMMENDED APPLICATION TIME TO BE IN MID-FALL, ALLOWING FOR STRATIFICATION OF THE SEED.
- EARLY SPRING SOWING IS NOT RECOMMENDED, AS SEEDS MAY GO DORMANT AND NOT GERMINATE UNTIL FOLLOWING YEAR, IF IDEAL GROWING CONDITIONS ARE UNAVAILABLE, MAKING IT MUCH LESS EFFECTIVE COMPARED
- SEEDS SHOULD NOT BE SOWN DURING DROUGHT PRONE SEASON (JUNE THROUGH AUGUST)
- SEEDS SHOULD NOT BE SOWN DURING LATE FALL, AS CROP COVER WILL NOT HAVE AN OPPORTUNITY TO GERMINATE PRIOR TO WINTER FREEZE.

#### APPROACH:

- APPLY 200-300mm MINIMUM OF FINELY PREPARED TOPSOIL SEEDBED TO ALL AREAS DISTURBED AS A RESULT OF CONSTRUCTION/DEVELOPMENT. ENSURE THAT TOPSOIL SEEDBED IS FREE OF SEEDS AND TUBERS OF INVASIVE EXOTICS,
- SEED APPLICATION TO BE SOWN AT A DEPTH OF 15mm INTO FINELY PREPARED TOPSOIL SEEDBED. ALTERNATIVE APPLICATION APPROACHES TO BE APPROVED BY TRCA.
- MINIMIZE USE OF HEAVY EQUIPMENT WHERE POSSIBLE AND AT ALL TIMES WHEN
- GROUND IS SATURATED TO AVOID UNNECESSARY SOIL COMPACTION. FIRST GROWING SEASON MAINTENANCE:
- WHENEVER OVERALL VEGETATION REACHES A HEIGHT O 18" TRIM THE MEADOW TO A HEIGHT OF 8". ( A LAWN MOWER IS NOT RECOMMENDED AS THE MOWER HEIGHT WILL BE TOO LOW AND NATIVE SEEDLINGS WILL BE KILLED). CEASE MOWING BY MID-SEPTEMBER.
- HAND PULL PROBLEM WEEDS OR SPOT SPRAY WITH AN APPROVED HERBICIDE.
- SECOND GROWING SEASON MAINTENANCE:
- PRIOR TO NEW SPRING GROWTH REACHING A HEIGHT OF 2", TRIM ANY MATERIAL STANDING FROM THE PREVIOUS YEAR TO CLOSE TO THE GROUND.
- PROBLEM WEEDS SHOULD BE HAND PULLED OR SPOT SPRAYED WITH AN APPROVED HERBICIDE. SPECIAL CIRCUMSTANCES:
- IF A HEAVY INFESTATION OF RAGWEED IS NOTED, TRIM THE MEADWO TO A HEIGHT OF 8", CEASING TRIMMING BY

#### APPLICATION:

HYDRO SEED UPLAND NATIVE MEADOW SEED MIX

- COMPLETE SLURRY TO BE APPLIED PER HECTARE
- SEED MIXTURE AS SPECIFIED 26kg
- ii) MULCH 1000kg iii) WATER (MINIMUM) - 10,000 litres
- iv) FERTILIZER 450 kg

# BY PERM ONLY - TOP OF CURB 200mm SONOTUBE CONCRETE FOOTING MIN DEPTH 1200mm

— 20mm RED REFLECTIVE CIRCULAR BACKGROUND — 15mm RED REFLECTIVE STROKE — WHITE REFLECTIVE BACKGROUND WHITE REFLECTIVE SYMBOL AND BORDER - BLUE REFLECTIVE BACKGROUND AND OUTLINE - BLACK LEGEND ALL ACCESSIBLE PARKING STALLS SHALL BE DESIGNATED BY ONE SIGN PER BAY PER BY-LAW. THE CENTRE OF THE SIGN MUST BE MOUNTED BETWEEN 1200mm AND 1500mm ABOVE TOP TOP OF CURB ELEVATION SIGN MUST NOT OBSTRUCT THE SIDEWALK SIGN MUST BE LOCATED WITHIN 2.0 METERS OF THE PARKING BAY 45mm X 45mm X 2.67mm THICK PERFORATED HOLLOW GALVANIZED STEEL TUBE SIGN POST SECURED TO SIGN ANCHOR AND SLEEVE w/ 10mm Ø GALVANIZED BOLT c/w WASHER AND NUT 50mm x 50mm x 450mm LONG PERFORATED HOLLOW STEEL TUBE GALVANIZED ANCHOR SLEEVE OVER SIGN POST ANCHORED INTO SIDEWALK THE SIGN FACE MUST BE SECURED TO A POST WITH TWO GALVANIZED 12mm HEX HEAD BOLTS AND NUTS WITH FLAT WASHERS ON BOTH SIDES

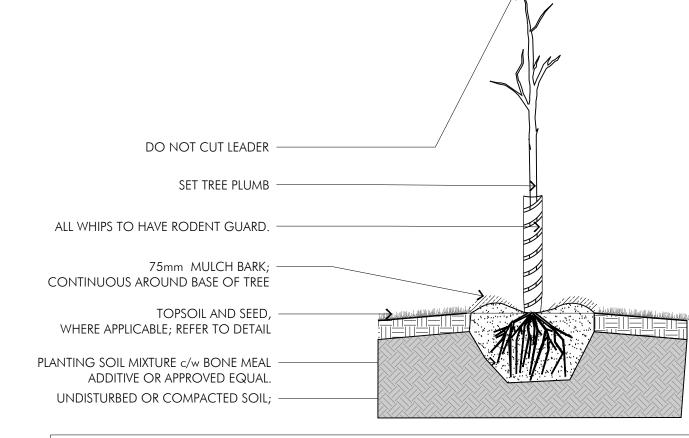
## 150mm DEPTH 3-9mm Ø PEA GRAVEL -LANDSCAPE FABRIC; TO BE COMPLETELY COVERED AND HIDDEN TURN UP AT TERMINATIONS JNDISTURBED EARTH COMPACTED TO 95% S.P.D. OR COMPACTED SUB-GRADE TO 98% S.P.D. AND REGULATIONS. ENSURE A CLEAN, FLUSH TRANSITION BETWEEN ADJACENT PAVING & SURFACING.

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES

— BLACK LETTER 'P' AND BORDER

- B. ENSURE THAT PATHWAY GRADES AND CROSS SLOPE PROVIDE POSITIVE DRAINAGE. AND ADHERE TO GRADING PLAN (WHERE APPLICABLE).
- PROVIDE ALUMINUM BED EDGE TYP SEPARATING PEA GRAVEL MULCH FROM ANY LOOSE ADJACENT MATERIAL





 ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES AND REGULATIONS. 2. HAND DIG PLANTING HOLE AND LOOSEN SURFACE SOIL. 3. ALLOW FOR SETTLEMENT WHEN SETTING PLANTS, SET PLANTS 50mm HIGHER THAN ADJACENT FINISHED GRADE. 4. BACKFILL SOIL IN 150mm LIFTS AND HAND TAMP TO PREVENT AIR POCKETS.

4 WHIP PLANTING DETAIL

5. CAREFULLY REMOVE ANY LOOSE SOIL FROM TOP OF ROOT BALL.

Mississauga, Ontario L4Z 3M3 T. 905.270.2229 F. 905.270.2190 info@popovich.ca

1 200121 ISSUED FOR SPA

Issue / Revision

P O P O VI C H

A S S O C I A T E S

1 Robert Speck Parkway, Suite 100

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We have relied upon the accuracy and completeness of base & background

bnkc arcitecture + urban design Amy Choi Consulting

performing our professional services.

of this information and have not done so

Client, Consultants and Contractors.

commencement of construction.

information provided by the following Consultants in preparing this drawing and

We are under no obligation or duty to verify the accuracy and/or completeness

We shall not be held responsible for any errors or omissions that may arise or be

The contractor will check and verify all dimensions and job conditions on the site and report any discrepancies to the Landscape Architect prior to the

ncorporated as a result of erroneous or incomplete information provided by the

360 Lockhart Road Barrie, ON L9J 0B6

KINGSLEA DEVELOPMENTS LTD. 107 WOODBINE DOWNS BLVD., UNIT 16 Etobicoke, ON M9W 6Y1

Landscape Details

1427 Date: October 2019 as noted

1427 200120 Landscape Plan

\type 'a' barrier -free parking sign

SOD OR SEED MIX; -AS SPECIFIED 150mm TOPSOIL SUB-GRADE; CULTIVATE TO DEPTH OF 100 mm. REPEAT CULTIVATION FOR AREAS THAT HAVE BEEN COMPACTED BY EQUIPMENT USED FOR HAULING & SPREADING.

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES

AND REGULATIONS. TOPSOIL MUST BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH AND TO BE FREE FROM SUBSOIL, ROOTS, VEGETATION, DEBRIS, TOXIC MATERIALS AND STONE

OVER 50mm DIAMETER. FOR AREAS TO RECEIVE SOD, SET TOPSOIL 15mm BELOW FINISHED GRADE. ENSURE THAT GRADES AND CROSS SLOPE PROVIDE POSITIVE DRAINAGE AND ADHERE TO GRADING PLAN (WHERE APPLICABLE).

\SEEDING & SODDING DETAIL

SOD & TOPSOIL NOTES:

WEEDS IS NOT ACCEPTABLE.

BORNE BY CONTRACTOR.

1. IMPORTED TOPSOIL: FRIABLE, NEITHER HEAVY CLAY NOR OF VERY LIGHT SANDY NATURE, CONTAINING A

2. TOPSOIL FROM SITE: MATERIAL SUBJECT TO SOIL ANALYSIS FOR SUITABILITY AS A GROWING MEDIUM FOR

1. DO NOT SPREAD TOPSOIL UNTIL CONSULTANT HAS INSPECTED AND APPROVED SUBGRADE.

4. DISPOSE OF SURPLUS TOPSOIL NOT REQUIRED FOR FINE GRADING AND LANDSCAPING, OFF SITE.

UNFROZEN SUBGRADE, WHERE SODDING OR SEEDING

2. DELIVER, UNLOAD, AND STORE ON PALLETS.

KENTUCKY BLUEGRASS CULTIVARS.

A SHARP KNIFE.

(4") OF TOPSOIL.

15.1. WATERING

15.2. FERTILIZING

15.3. WEED CONTROL

15.4. CUTTING AND MOWING

WATERING UNTIL TIME OF FINAL INSPECTION.

13.1. SODDED AREAS ARE PROPERLY ESTABLISHED

13.2. SOD IS FREE OF BARE AND DEAD SPOTS AND WITHOUT WEEDS

13.4. SODDED AREAS HAVE BEEN CUT A MINIMUM OF TWO TIMES

15. MAINTENANCE TASKS INCLUDE ALL OF THE FOLLOWING:

3. FOR AREAS NOT TO BE SODDED, BRING TOPSOIL UP TO FINISHED GRADE.

AND PREVENT DROPPING OF SOIL IN HANDLING. DRY SOD WILL BE REJECTED.

6. OBTAIN APPROVAL OF TOPSOIL, GRADE AND DEPTH PRIOR TO LAYING SOD.

MINIMUM OF 4% ORGANIC MATTER FOR CLAY LOAM AND 2% SANDY LOAMS TO A MAXIMUM OF 10% BY

VOLUME. FREE FROM SUBSOIL, ROOTS, GRASS, WEEDS, TOXIC MATERIALS, STONES, FOREIGN OBJECTS AND

SEEDING OR SODDING AND APPROVAL BY ARCHITECT/LANDSCAPE ARCHITECT/OWNER PRIOR TO USE. COSTS

SPREAD TOPSOIL WITH ADEQUATE MOISTURE IN UNIFORM LAYERS DURING DRY WEATHER OVER APPROVED, DRY,

1. SCHEDULE DELIVERIES IN ORDER TO KEEP STORAGE AT JOB SITE TO A MINIMUM WITHOUT CAUSING DELAYS.

4. DURING DRY WEATHER, PROTECT SOD FROM DRYING AND WATER SOD AS NECESSARY TO ENSURE ITS VITALITY

SPECIFICATION FOR NURSERY STOCK, SECTION 17, 1984 EDITION, PUBLISHED BY THE CANADIAN NURSERY

7. LAY SOD DURING GROWING SEASON. SODDING DURING FREEZING TEMPERATURES OR OVER FROZEN SOIL IS NOT ACCEPTABLE. IF LAYING SOD DURING DRY SUMMER PERIOD, ENSURE SURVIVAL WITH IMMEDIATE DAILY

9. STAKE ALL SOD ON SLOPES GREATER THAN 5:1 (20%) 10. PROVIDE CLOSE CONTACT BETWEEN SOD AND SOIL BY MEANS OF LIGHT ROLLING. HEAVY ROLLING TO CORRECT IRREGULARITIES IN GRADE IS NOT PERMITTED. 10. WATER IMMEDIATELY AFTER SOD IS LAID TO OBTAIN MOISTURE PENETRATION THROUGH SOD INTO TOP 100mm

MECHANICAL DAMAGE. REMOVE PROTECTION AFTER LAWN AREAS HAVE BEEN ESTABLISHED OR ACCEPTED. 12. CLEAN UP IMMEDIATELY SOIL OR DEBRIS SPILLED ONTO PAVEMENT AND DISPOSE OF DELETERIOUS MATERIALS.

14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SOD UNTIL TIME OF FINAL ACCEPTANCE. MAINTENANCE

16. SUBMIT SEPARATE MAINTENANCE COST FOR COORDINATION BY OWNER DURING WARRANTY PERIOD ONLY.

13. SODDED AREAS WILL BE ACCEPTED AT FINAL INSPECTION AND WARRANTY PERIOD BEGINS PROVIDED THAT:

8. LAY SOD IN ROWS, PERPENDICULAR TO SLOPE, AND WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY

11. PROVIDE ADEQUATE PROTECTION OF NEW SODDED AREAS AGAINST EROSION, FOOT TRAFFIC, AND

13.3. NO SURFACE SOIL IS VISIBLE WHEN GRASS HAS BEEN CUT TO A HEIGHT OF 40mm (1.5")

13.5. SOD JOINTS BETWEEN ROLLS ARE NEAT AND TIGHT WITH NO VISIBLE DIRT AREAS

OF SOD DURING WARRANTY PERIOD IS THE RESPONSIBILITY OF THE OWNER.

TRADES ASSOCIATION. NUMBER ONE KENTUCKY BLUEGRASS SOD: GROWN FROM MINIMUM MIXTURE OF THREE

WITHOUT OVER- LAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH

3. DURING WET WEATHER, ALLOW SOD TO DRY SUFFICIENTLY TO PREVENT TEARING DURING LIFTING AND

5. NURSERY SOD: QUALITY AND SOURCE TO COMPLY WITH STANDARDS OUTLINED IN THE METRIC GUIDE

WITH AN ACIDITY RANGE (pH) OF 5.5 TO 7.5 . TOPSOIL CONTAINING CRABGRASS, COUCH GRASS OR NOXIOUS

TOPSOIL (SOD AREAS)

FINISHED GRADING

SODDING