

MINIMUM SOIL AREA OF 30m<sup>2</sup> AT PROPER PLANTING DEPTH WITH UNOBSTRUCTED GROWING MEDIUM, SCARIFY BOTTOM OF PLANTING BED

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

CAREFULLY REMOVE ANY LOOSE SOIL FROM TOP OF ROOT BALL.

# CONIFEROUS TREE PLANTING DETAIL

PRUNE AND REMOVE DAMAGED BRANCHES DO NOT CUT LEADER

SET TREE PLUMB

50mm x 50mm WOODEN STAKES c/w BIODEGRADABLE TREE TIES. TREES UNDER 45mm CAL. TO BE SINGLE STAKED. TREES OVER 45mm CAL. TO BE DOUBLE STAKED. DO NOT DRIVE STAKE THROUGH ROOT BALL REMOVE STAKES ONLY AT THE END OF THE WARRANTY PERIOD.

> REMOVE PROTECTIVE WRAPPING AND INSPECT FOR DAMAGE

ALL DECIDUOUS TREES NOT IN CONTINUOUS -BEDS TO HAVE ARBORGUARD + TREE GUARD.

UPPER PORTION OF ROOTBALL CROWN TO BE PLANTED 25-50mm ABOVE SURROUNDING GRADE

> 75mm MULCH BARK; CONTINUOUS AROUND BASE OF TREE PROVIDE 75mm HIGH SOIL SAUCER AROUND PERIMETER OF TREE.

SAUCER TO BE SOAKED WITH WATER IMMEDIATELY AFTER INSTALLATION. PROVIDE EDGE AROUND EXTERIOR PERIMETER PLANTING SOIL MIXTURE c/w BONE MEAL ADDITIVE OR APPROVED EQUAL; TOPSOIL LAYER TO BE GREATER THAN 60cm WITH GRADUAL CHANGE OF SOIL QUALITY (TEXTURE/POROSITY)

AND ORGANIC MATTER CONTENT THAT VARIES FROM 2% TO 7% IN THE TOP 30cm OF SOIL BY DRY WEIGHT AND A pH OF 6.8 TO 8.0. TOPSOIL AND SEED,

WHERE APPLICABLE; REFER TO DETAIL REMOVE WIRE BASKET, ROPE AND BURLAP FROM -TOP 1/3 OF ROOT BALL BEFORE PLACING MULCH (SYNTHETIC BURLAP SHALL NOT BE USED ON ROOT BALL.)

UNDISTURBED OR COMPACTED SOIL; MINIMUM SOIL AREA OF 30m<sup>2</sup> AT PROPER PLANTING DEPTH OF UNOBSTRUCTED

GROWING MEDIUM SCARIFY BOTTOM OF PLANTING BED

DESIGN NOTES:

1. 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.

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

\DECIDUOUS TREE PLANTING DETAIL

## 150mm CONCRETE PAVING -C/W 9 ga. 150x150 W.W.M. REINFORCING AT MID DEPTH, MIN. 50mm FROM EDGES. 150mm GRANULAR 'A' COMPACTED to 98% S.P.D.

UNDISTURBED EARTH COMPACTED TO 95% S.P.D. OR COMPACTED SUB-GRADE TO 98% S.P.D.

- GENERAL NOTES: AND REGULATIONS. MATERIALS. ALL EXPOSED SURFACES OF CONCRETE TO BE BRUSHED FINISH, RUNNING
- entrainment.

ackslashPedestrian sidewalk detail

## SET TOP OF ROOT BALL 25mm MIN. ABOVE -FINISHED GRADE TO ALLOW FOR SETTLEMENT

CONTINUOUS AROUND BASE OF SHRUB PROVIDE 75mm HIGH SOIL SAUCER AROUND —

SAUCER TO BE SOAKED WITH WATER IMMEDIATELY AFTER INSTALLATION.

PROVIDE EDGE AROUND EXTERIOR PERIMETER

PLANTING SOIL MIXTURE c/w BONE MEAL ADDITIVE OR APPROVED EQUAL. SOAK WITH WATER TO REMOVE VOIDS

SCARIFY BOTTOM OF PLANTING BED

GENERAL NOTES CONTAINER SIZE; AS SPECIFIED. PLANTING HOLE. ELEVATION.

6. ALLOW FOR SETTLEMENT WHEN SETTING PLANTS, SET PLANTS 25-50mm HIGHER THAN ADJACENT FINISHED GRADE. 7. BACKFILL GROWING MEDIUM IN LIFTS AS SPECIFIED PER OPEN PLANTER CONDITION, AND HAND TAMP ONCE HALF THE PLANTING HOLE IS FILLED TO PREVENT AIR POCKETS. ONCE 2/3 OF DEPTH OF PLANTING HOLE IS BACKFILLED, FILL REMAINING SPACE WITH WATER. ONCE WATER HAS PENETRATED GROWING MEDIUM, FILL TO FINISH GRADE. SOAK GROWING MEDIUM IMMEDIATELY AFTER PLANTING TO ENSURE FULL CONTACT BETWEEN ROOTBALL AND GROWING MEDIUM. 8. CAREFULLY REMOVE ANY LOOSE SOIL FROM TOP OF ROOT BALL.

 $\$ SHRUB PLANTING DETAIL

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES ENSURE A CLEAN, FLUSH TRANSITION BETWEEN CONCRETE PAVING AND ADJACENT

PERPENDICULAR TO DIRECTION OF PEDESTRIAN FLOW. ALL CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF 32MPa C/W 5-8% AIR

75mm MULCH BARK; — PERIMETER OF SHRUBS.

FINISHED GRADE -

REST ROOTBALL ON -75-150mm OF PACKED SUBSOIL UNDISTURBED OR COMPACTED SOIL;

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES AND REGULATIONS.

3. PLANTING BEDS TO HAVE 25-50mm SHREDDED BARK MULCH; SET MULCH MIN. 40mm AWAY FROM ROOT FLARE/TRUNK. 4. REMOVE ALL DEBRIS AND CONTAMINATED SOIL FROM PLANTING SPACE PRIOR TO PLANTING AND LOOSEN SURFACE SOIL OF

5. HAND DIG PLANTING HOLE TO THE DEPTH OF ROOTBALL SUCH THAT THE TRUNK FLARE IS FLUSH WITH THE PAVING

# w 150 MM

# SODDING:

TOPSOIL (SOD AREAS)

- 1. IMPORTED TOPSOIL: FRIABLE, NEITHER HEAVY CLAY NOR OF VERY LIGHT SANDY NATURE, CONTAINING A 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 WITH AN ACIDITY RANGE (pH) OF 5.5 TO 7.5 . TOPSOIL CONTAINING CRABGRASS, COUCH GRASS OR NOXIOUS WEEDS IS NOT ACCEPTABLE.
- 2. TOPSOIL FROM SITE: MATERIAL SUBJECT TO SOIL ANALYSIS FOR SUITABILITY AS A GROWING MEDIUM FOR SEEDING OR SODDING AND APPROVAL BY ARCHITECT/LANDSCAPE ARCHITECT/OWNER PRIOR TO USE. COSTS BORNE BY CONTRACTOR.

### FINISHED GRADING

- 1. DO NOT SPREAD TOPSOIL UNTIL CONSULTANT HAS INSPECTED AND APPROVED
- SUBGRADE. 2. SPREAD TOPSOIL WITH ADEQUATE MOISTURE IN UNIFORM LAYERS DURING DRY WEATHER OVER APPROVED, DRY, UNFROZEN SUBGRADE, WHERE SODDING OR seeding.
- 3. FOR AREAS NOT TO BE SODDED, BRING TOPSOIL UP TO FINISHED GRADE. 4. DISPOSE OF SURPLUS TOPSOIL NOT REQUIRED FOR FINE GRADING AND LANDSCAPING, OFF SITE.

### sodding

- 1. SCHEDULE DELIVERIES IN ORDER TO KEEP STORAGE AT JOB SITE TO A MINIMUM
- WITHOUT CAUSING DELAYS. 2. DELIVER, UNLOAD, AND STORE ON PALLETS.
- 3. DURING WET WEATHER, ALLOW SOD TO DRY SUFFICIENTLY TO PREVENT TEARING
- DURING LIFTING AND HANDLING. 4. DURING DRY WEATHER, PROTECT SOD FROM DRYING AND WATER SOD AS NECESSARY TO ENSURE ITS VITALITY AND PREVENT DROPPING OF SOIL IN HANDLING.
- DRY SOD WILL BE REJECTED. 5. NURSERY SOD: QUALITY AND SOURCE TO COMPLY WITH STANDARDS OUTLINED IN THE METRIC GUIDE SPECIFICATION FOR NURSERY STOCK, SECTION 17, 1984 EDITION, PUBLISHED BY THE CANADIAN NURSERY TRADES ASSOCIATION. NUMBER
- ONE KENTUCKY BLUEGRASS SOD: GROWN FROM MINIMUM MIXTURE OF THREE KENTUCKY BLUEGRASS CULTIVARS. 6. OBTAIN APPROVAL OF TOPSOIL, GRADE AND DEPTH PRIOR TO LAYING SOD. 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 WATERING UNTIL TIME OF FINAL INSPECTION.
- 8. LAY SOD IN ROWS, PERPENDICULAR TO SLOPE, AND WITH JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVER- LAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR OR THIN SECTIONS WITH A SHARP KNIFE.
- 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 (4") OF TOPSOIL. 11. PROVIDE ADEQUATE PROTECTION OF NEW SODDED AREAS AGAINST EROSION,
- FOOT TRAFFIC, AND 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. 13. SODDED AREAS WILL BE ACCEPTED AT FINAL INSPECTION AND WARRANTY PERIOD
- BEGINS PROVIDED THAT: 13.1. SODDED AREAS ARE PROPERLY ESTABLISHED
- 13.2. SOD IS FREE OF BARE AND DEAD SPOTS AND WITHOUT WEEDS
- 13.3. NO SURFACE SOIL IS VISIBLE WHEN GRASS HAS BEEN CUT TO A HEIGHT OF 40mm
- (1.5") 13.4. SODDED AREAS HAVE BEEN CUT A MINIMUM OF TWO TIMES
- 13.5. SOD JOINTS BETWEEN ROLLS ARE NEAT AND TIGHT WITH NO VISIBLE DIRT AREAS 14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SOD UNTIL TIME OF FINAL
- ACCEPTANCE. MAINTENANCE OF SOD DURING WARRANTY PERIOD IS THE RESPONSIBILITY OF THE OWNER.
- 15. MAINTENANCE TASKS INCLUDE ALL OF THE FOLLOWING: 15.1. WATERING
- 15.2. FERTILIZING
- 15.3. WEED CONTROL
- 15.4. CUTTING AND MOWING
- 16. SUBMIT SEPARATE MAINTENANCE COST FOR COORDINATION BY OWNER DURING WARRANTY PERIOD ONLY.

#### 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.

GENERAL NOTES: ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CURRENT APPLICABLE CODES and regulations.

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- 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).

SOD DETAIL

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	We have relied upon the accuracy and completeness of base & back information provided by the following Consultants in preparing this diperforming our professional services.	N.T.S.
	We are under no obligation or duty to verify the accuracy and/or con of this information and have not done so. We shall not be held responsible for any errors or omissions that mari incorporated as a result of erroneous or incomplete information prov Client, Consultants and Contractors. The contractor will check and verify all dimensions and job condition and report any discrepancies to the Landscape Architect prior to the commencement of construction.	y arise or be rided by the
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NGS OFF SITE. 9 IF DESIRED WING SEASON NDESIRABLE ADOW 5 EXCESSIVE	POPOVICIA A S S O C I A T E S 1 Robert Speck Parkway, Suite 100 Mississauga, Ontario L4Z 3M3 T. 905.270.2229 F. 905.270.2190 info@popovich.ca	
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<b>CANADA</b>	Drawn By: GB Checked By: SP Date: JANUARY 2021 Scale: AS NOTED	2

#### MEADOW MAINTENANCE:

EXCESSIVE CLIPPINGS OFF SITE.

MEADOW MAINTENANCE DURING 2 YEAR ESTABLISHMENT/WARR

#### YEAR 1

MAINTAIN MEADOW TO A MOWED HEIGHT NO LOWER THAN 10 HEIGHT AND NO MORE THAN 300MM MEADOW GROWTH HEIGI MEADOW ESTABLISHMENT WHILE PREVENTING UNWANTED SPECIE OUT-COMPETING NATIVE MEADOW SPECIES. REMOVE AND DISPC

#### YEAR 2:

MOW ONCE IN MID-SPRING TO 150mm BLADE HEIGHT. MOW AG AUTUMN. MOWING TOO LATE IN THE SPRING WILL BE DETRIMEN FLOWERING SPECIES. REMOVE AND DISPOSE OF EXCESSIVE CLIPPIN

#### YEAR 3 AND BEYOND:

MOW MEADOW SEED AREA MAXIMUM ONCE IN MID SPRING, AND AGAIN IN LATE AUTUMN. DO NOT MOW DURING MEADOW GRC AS NATIVE FLOWERING PLANTS WILL BE DAMAGED, PROVIDING U WEEDS WITH AN OPPORTUNITY TO ESTABLISH. DO NOT MOW ME SHORTER THAN 150mm BLADE HEIGHT. REMOVE AND DISPOSE OF CLIPPINGS OFF SITE.

## 25mm TOPSOIL

# SUB-GRADE; CULTIVATE TO DEPTH OF 50 mm.

REPEAT CULTIVATION FOR AREAS THAT HAVE BEEN COMPACTED BY EQUIPMENT USED FOR HAULING & SPREADING.

GENERAL NOTES:

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH ALL CUI AND REGULATIONS.

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- ALL SURFACE AREAS DESIGNATED FOR SEEDING SHALL BE FRE SHALL HAVE A FINE GRADED UNIFORM SURFACE, PRIOR TO A HYDROSEEDING.
- TOPSOIL MUST BE CAPABLE OF SUSTAINING VIGOROUS PLAN FREE FROM SUBSOIL, ROOTS, VEGETATION, DEBRIS, TOXIC M OVER 50mm DIAMETER.
- ENSURE THAT GRADES AND CROSS SLOPE PROVIDE POSITIVE TO GRADING PLAN (WHERE APPLICABLE).

SEED DETAIL



1504 230620 LANDSCAPE PLAN