



PHOTO TREE GROUP "A": IMMATURE TREMBLING ASPENS WITH SCATTERED IRONWOOD, WHITE ELM, BUCKTHORNS ETC.

PROPERTY BOUNDARY

TREE GROUP TO BE PRESERVED.

TREE GROUP TO BE REMOVED.

TREE GROUP NUMBER. REFER TO TREE LIST ON

THIS PAGE

TREE PRESERVATION FENCE (TP-2).

# LEGEND

Tree group	Canopy	Si	Common Nome	Freq.	DBH	Height	Canopy	Maturita	
#	cover. %	Species	Common Name	%	cm	m	m	Maturity	(
		Populus tremuloides	Trembling Aspen	85				Imature	
A	90	Ostrya virginiana	Ironwood	2	≤17	10	<u>+3</u>		
		Ulmus americana	American Elm	2					
		Thuja occidentalis	Eastern White Cedar	85				Imature	
В	90	Juniperus virginiana	Western Red Cedar	2	≤15	8-10	<u>+</u> 4		Fa
		Ulmus americana	American Elm	2					
		Populus tremuloides	Trembling Aspen	18	-15	0.10		Torretorre	P
C	20	Ulmus americana	American Elm	2	<u>≤</u> 15	8-10	<u>+</u> 4	Imature	

Note (refer to EIS by Roots Environmental):
Young Black Ash (<8cm DBH) were observed in the wetland 33 metres east of the proposed development area. Per O. Reg. 6/24 to the Endangered Species Act (ESA), protection under the ESA is only provided for Black Ash > 8cm and/or or 1.37 m in height. In addition, O. Reg. 7/24 to the ESA states that the habitat of this species is 30-meters from the stem. No Black Ash were found within 30-meters of the proposed development area.



## GENERAL NOTES

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No.	REVISION	DATE	APRVD
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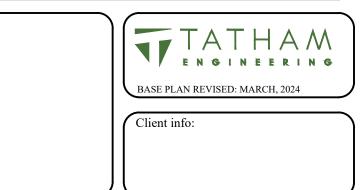
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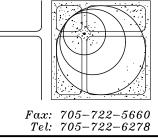




# JDB associates LTD.

Urban Designers Landscape Architects Arborists

274 Burton Ave., Suite 1201 Barrie, Ontario L4N 5W4



180 MOUNTAIN ROAD
City of Collingwood

TREE INVENTORY/PRESERVATION PLAN

SCALE:	DESIGNED BY:	REVIEWED BY:
1/600	StT	NB
CITY FILE No.	OUR FILE REF. # 5-24	TP-1

THE INTENT OF TREE PRESERVATION AND PROTECTION IS TO PROVIDE AN INVENTORY OF EXISTING TREES ON SITE. IT IS NOT A SURVEY AND THEREFORE THE EXACT LOCATION OF EXISTING TREES MUST BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS.

ALL TREES TO BE PRESERVED SHALL BE INDICATED AND MARKED AS SUCH ON SITE BY THE LANDSCAPE ARCHITECT PRIOR TO THE SITE DEVELOPMENT.

AS PART OF THE CLEARING AND GRUBBING, TREES LOCATED AT THE EDGES OF STANDS ABUTTING RESIDENTIAL ARE ARE TO BE PRUNED OF DEAD AND DISEASED LIMBS. PRUNING TO BE COMPLETED IN ACCORDANCE TO ACCEPTED HORTICULTURAL PRACTICES AND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

IN THE EVENT THAT A TREE THAT HAS BEEN DESIGNATED FOR PRESERVATION IS DAMAGED OR REMOVED WITHOUT PRIOR WRITTEN PERMISSION FROM THE TOWN, THE LAND OWNER SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF SAID TREE WITH TREES OF EQUAL CALIPER VALUE AND COMPARABLE SPECIES, TO THE SATISFACTION OF THE THE TOWN AND THE LANDSCAPE ARCHITECT.

## SPECIFICATIONS FOR PRESERVATION & PROTECTION

PRIOR THE COMMENCEMENT OF ANY CONSTRUCTION WORKS, ALL TREES OR BLOCKS OF TREES THAT HAVE BEEN DESIGNATED FOR PRESERVATION, AS INDICATED ON THE ACCOMPANYING PLAN SHALL BE FULLY PROTECTED BY THE ERECTION OF HOARDING OUTSIDE OF OR AT THE DRIP LINE (SEE DETAIL). AREAS WITHIN THE HOARDING SHALL BE CLEARED AND GRUBBED ONLY UNDER THE WRITTEN DIRECTION AND SUPERVISION OF THE LANDSCAPE ARCHITECT.

EQUIPMENT OR VEHICLES SHALL NOT BE PARKED, REPAIRED OR REFUELED WITHIN TREE PROTECTION ZONE, CONSTRUCTION MATERIALS SHALL NOT BE STORED AND EARTH MATERIALS SHALL NOT BE STOCKPILED WITHIN THE DRIP LINE AREA OF ANY TREE NOT DESIGNATED FOR REMOVAL.

ANY TREES NOT DESIGNATED FOR REMOVAL SHALL NOT HAVE RIGGING CABLES ATTACHED OR WRAPPED AROUND THEM NOR SHALL ANY CONTAMINANTS BE DUMPED WITHIN THE PROTECTIVE AREAS. FURTHER, NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF THE TREES TO BE PRESERVED.

THE CONTRACTOR OR LAND OWNER SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE TO TREES OR SHRUBS THAT ARE NOT DESIGNATED FOR REMOVAL AS PER THE ACCOMPANYING PLAN.

UNLESS THE CONTRACT WORK SPECIFICALLY REQUIRES WORK WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL, EQUIPMENT SHALL NOT BE OPERATED WITHIN THAT DRIP LINE AREA. WHEN CONTRACT WORK MUST BE COMPLETED WITHIN THE DRIP LINE OF TREES NOT DESIGNATED FOR REMOVAL. OPERATION OF EQUIPMENT WITHIN THAT DRIP LINE SHALL BE KEPT TO THE MINIMUM AMOUNT REQUIRED TO COMPLETE THE WORKS. PRIOR TO THE COMMENCEMENT OF SUCH WORKS THE LANDSCAPE ARCHITECT MUST BE GIVEN WRITTEN NOTIFICATION AND WILL SUBSEQUENTLY BE REQUIRED TO INSPECT SAID WORKS.

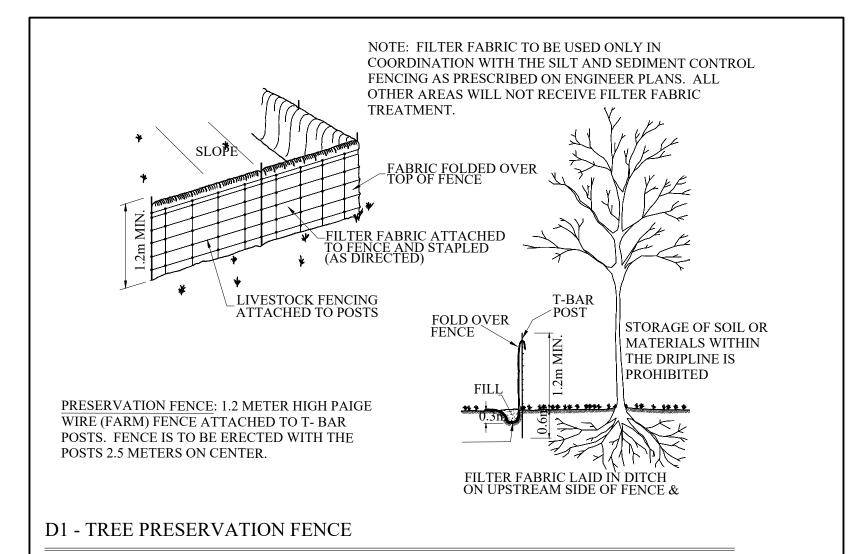
THE CONTRACTOR'S OPERATION SHALL IN NO WAY CAUSE DAMAGE TO THE TRUNK OR BRANCHES OF TREES NOT DESIGNATED FOR REMOVAL.

THE CONTRACTOR'S OPERATION SHALL NOT CAUSE FLOODING OR SEDIMENT DEPOSITS IN AREAS WHERE TREES ARE NOT DESIGNATED FOR REMOVAL.

IN THE EVENT THAT IT IS NECESSARY TO REMOVE LIMBS OR PORTIONS OF TREES NOT DESIGNATED FOR REMOVAL, WRITTEN APPROVAL AND DIRECTION MUST BE GIVEN BY THE LANDSCAPE ARCHITECT PRIOR TO ANY WORKS. THE REMOVALS MUST BE EXECUTED CAREFULLY AND IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES AND TECHNIQUES.

NO GRADING SHALL TAKE PLACE WITHIN THE PRESERVATION ZONE.

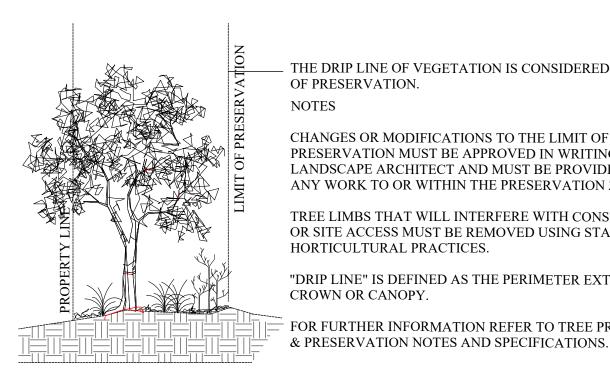
NOTES FOR PRESERVATION AND PROTECTION



- 1. PROTECTION AREA IS INITIALLY IDENTIFIED IN THE FIELD BY A LICENSED ONTARIO SURVEYOR. THIS LINE APPROXIMATELY ESTABLISHES THE LIMITS OF TREE PRESERVATION SUBJECT TO AN ON-SITE MEETING WITH TOWN OF COLLINGWOOD PARKS PLANNING STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST.
- 2. THE LANDSCAPE ARCHITECT/ARBORIST AND THE TOWN OF COLLINGWOOD PARKS PLANNING STAFF MEET TO REVIEW THE SURVEYED LINE PRIOR TO ANY TREE REMOVAL OCCURRING, AND TO ADJUST THE LINE WHERE APPROPRIATE TO REFLECT THE ACTUAL NATURE OF A TREED AREA AS OPPOSED TO A STRAIGHT CUT
- 3. TREES THAT ARE SUSCEPTIBLE TO FALLING ONTO PRIVATE PROPERTY OR MUNICIPAL PROPERTY FROM WITHIN THE TREE PRESERVATION ZONE WILL BE IDENTIFIED FOR REMOVAL. REMOVAL WILL TAKE PLACE AS PRESCRIBED IN ITEM #6 BELOW.
- 4. ONCE THE SITE VISIT HAS CONCLUDED, THEN TREE PRESERVATION FENCING WILL BE ERECTED ALONG THE AGREED TREE PRESERVATION LINE.
- 5. FULL TREE REMOVAL OUTSIDE OF THE TREED AREAS MAY OCCUR ONCE THE PRESERVATION FENCING HAS BEEN ERECTED AND ALL REQUIRED TREE REMOVAL PERMITTING IS ISSUED.
- 6. TREES ARE TO BE FELLED IN SUCH A MANNER AS TO NOT DISTURB VEGETATION TO REMAIN. NO MACHINERY OR EQUIPMENT SHALL BE OPERATED OR STORED WITHIN THE DRIPLINE OF PROTECTED TREES.
- 7. STUMP REMOVALS ARE TO BE IMPLEMENTED AS TO NOT TO DISTURB THE GROUND WITHIN THE TREE PRESERVATION ZONE.
- 8. ONCE TREE REMOVAL HAS OCCURRED. AND PRIOR TO THE ISSUANCE OF THE UNDERGROUND CERTIFICATE. A RE-INSPECTION OF THE TREE PRESERVATION AREAS MUST OCCUR WITH TOWN OF COLLINGWOOD STAFF AND THE LANDSCAPE ARCHITECT/ARBORIST. ANY ADDITIONAL TREES TO BE REMOVED WILL BE NOTED BY THE TOWN OF COLLINGWOOD PARKS PLANNING STAFF AND LANDSCAPE ARCHITECT/ ARBORIST.
- 9. ALL TREES ON ADJACENT PRIVATE LAND SHALL RECEIVE DRIPLINE PROTECTION.

### TREE PRESERVATION PROCESS

NO TREE CUTTING SHALL OCCUR BETWEEN APRIL 1st AND OCTOBER 31st UNLESS CLEARANCE FROM M.N.R. AND M.E.C.P. IS PROVIDED.



THE DRIP LINE OF VEGETATION IS CONSIDERED THE LIMIT OF PRESERVATION.

CHANGES OR MODIFICATIONS TO THE LIMIT OF PRESERVATION MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT AND MUST BE PROVIDED PRIOR TO ANY WORK TO OR WITHIN THE PRESERVATION ZONE.

TREE LIMBS THAT WILL INTERFERE WITH CONSTRUCTION OR SITE ACCESS MUST BE REMOVED USING STANDARD HORTICULTURAL PRACTICES.

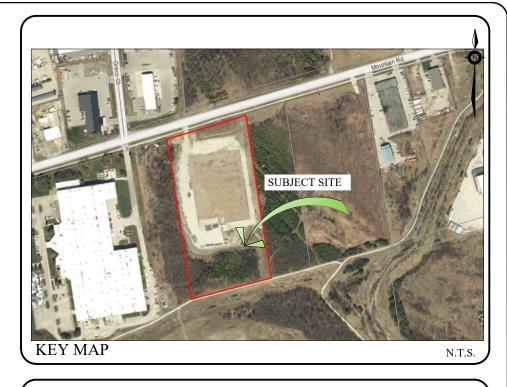
"DRIP LINE" IS DEFINED AS THE PERIMETER EXTENT OF THE CROWN OR CANOPY.

FOR FURTHER INFORMATION REFER TO TREE PROTECTION

CLEARING AND GRUBBING WITHIN THE PRESERVATION ZONE MAY ONLY BE DONE UNDER THE SUPERVISION OF THE LANDSCAPE ARCHITECT.

NO CLEARING OR GRUBBING IS PERMITTED WITHIN THE ENVIRONMENTAL PROTECTION AREA.

D2 - LIMIT OF TREE PRESERVATION DETAIL



## GENERAL NOTES

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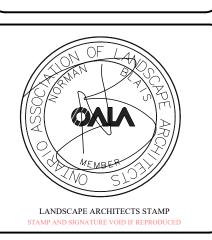
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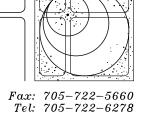
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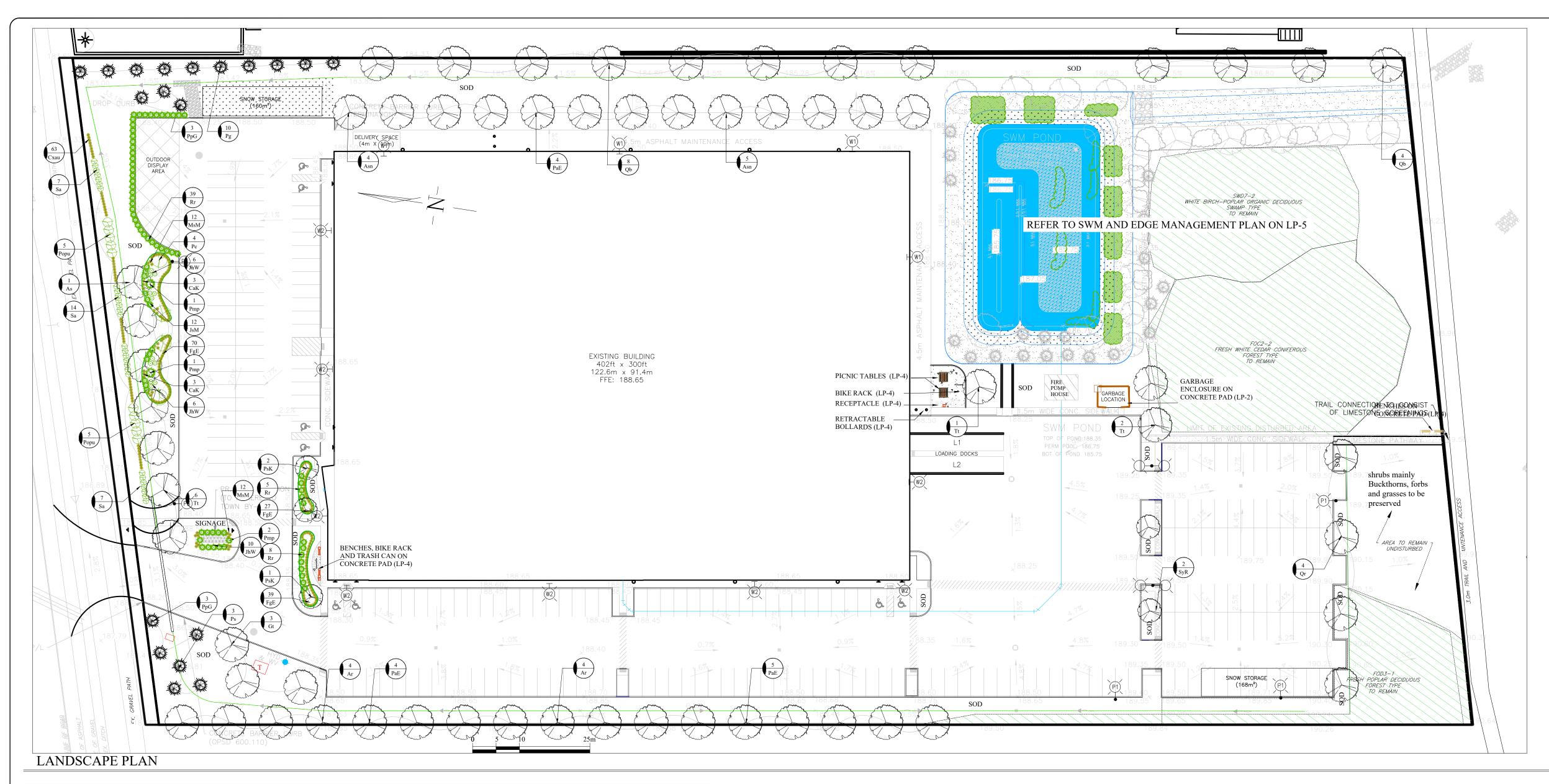
> 274 Burton Ave., Suite 1201 Barrie, Ontario L4N 5W4



180 MOUNTAIN ROAD City of Collingwood

TREE PRESERVATION DETAILS

SCALE:	DESIGNED BY:	REVIEWED BY:
NTS	StT	NB
CITY FILE No.	OUR FILE REF. # 5-24	TP-2



CODE	QNTY	COMMON NAME	BOTANICAL NAME	SIZE	FORM	SPACING	DETAIL	NOTES
DEC	IDU	OUS TREES						
Ar	8	RED MAPLE	Acer rubrum	60 mm	W.B.	9.0 m o/c	1101	Full Form/ Fall prunning only
As	1	ENDOWMENT SUGAR MAPLE	Acer saccharum 'Endowment'	60 mm	W.B.	6.0 m o/c	1101	Full Form
Asn	9	SILVER MAPLE	Acer saccharinum	60 mm	W.B.	9.0 m o/c	1101	Full Form/ Fall prunning only
Gt	3	SHADEMASTER HONEYLOCUST	Gleditsia triacanthos var. inermis 'Shademaster'	60 mm	W.B.	9.0 m o/c	1101	Full Form
PaE	13	EXCLAMATION PLANE TREE	Platanus x acerifolia 'Exclamation'	60 mm	W.B.	9.0 m o/c	1101	Full Form/Acidic soil
PsK	3	KWANZAN FLOWERING CHERRY	Prunus serrulata 'Kwanzan'	60 mm	W.B.	6.0 m o/c	1101	Full Form
Qb	12	SWAMP WHITE OAK	Quercus palustris	60 mm	W.B.	9.0 m o/c	1101	Spring planting/ Soil pH<7.5
Qr	4	RED OAK	Quercus rubra	60 mm	W.B.	9.0 m o/c	1101	Spring planting/ Soil pH<7.5
SyR	2	IVORY SILK TREE LILAC	Syringa reticulata 'Ivory Silk'	60 mm	W.B.	6.0 m o/c	1101	Full Form
Tt	9	STERLING SILVER LINDEN	Tilia tomentosa 'Sterling Silver'	60 mm	W.B.	9.0 m o/c	1101	Full Form

NOTE:
ALL PLANTINGS AND HARD LANDSCAPE FEATURES ARE TO BE STAKED OUT ON SITE AND APPROVED BY THE LANDSCAPE ARCHITECT AND TOWN PRIOR TO INSTALLATION. ANY DEVIATIONS FROM THE APPROVED LANDSCAPE PLANS REQUIRE PRIOR TOWN APPROVAL.

# CONIFEROUS TREES

Pg	10	WHITE SPRUCE	Picea glauca	200cm	w.b.	5m o/c	1102	Full form / Do not cut leader
PpG	6	COLORADO BLUE SPRUCE	Picea pungens 'Glauca'	200cm	w.b.	As Per Drawing	1102	Full form / Do not cut leader
Ps	3	EASTERN WHITE PINE	Pinus strobus	200cm	w.b.	6m o/c	1102	Full form / Do not cut leader
EVEF	RGF	REENS						

JsM	12	MOFFET JUNIPER	Juniperus scopulorum 'Moffettii'	150cm	w.b.	0.90 m o/c	1103	Full form / Container grown
JhW	22	BLUE RUG JUNIPER	Juniperus horizontalis 'Wiltoni'	50cm	3 gal.	0.90 m o/c	1103	Full form / Container grown
Pmp	4	MUGHO PINE	Pinus mugo var. pumilio	60cm	7 gal.	1.50 m o/c	1103	Full form / Container grown

# DECIDUOUS SHRUBS

Cxau 63 GOLDEN SEDGE

FgE 136 ELIJAH'S BLUE FESCUE

Pc	4	PURPLE LEAF SAND CHERRY	Prunus x cistena	60 cm	3 gal	0.90m o/c	1103	Full form / Container grown
Popu	10	COMMON NINEBARK	Physocarpus opulifolius	60 cm	3 gal	1.8m o/c	1103	Full form / Container grown
Rr	52	NEARLY WILD ROSE	Rosa rugosa 'Nearly Wild'	60 cm	3 gal	0.90m o/c	1103	Full form / Container grown
Sa	28	MEADOWSWEET	Spiraea alba	60 cm	3 gal	1.2m o/c	1103	Full form / Container grown
ORN	AM	ENTAL GRASSES						
CaK	6	KARL FOERSTER FEATHER REED GRASS	Calamagrostis arundinacea "Karl Foerster"	1 gal	pot	0.60 m o/c	n/a	Full form / Container grown

Carex aurea

Festuca glauca 'Elijah Blue'

Miscanthus sinensis 'Malepartus'

1 gal pot 0.40 m o/c n/a Full form / Container grown

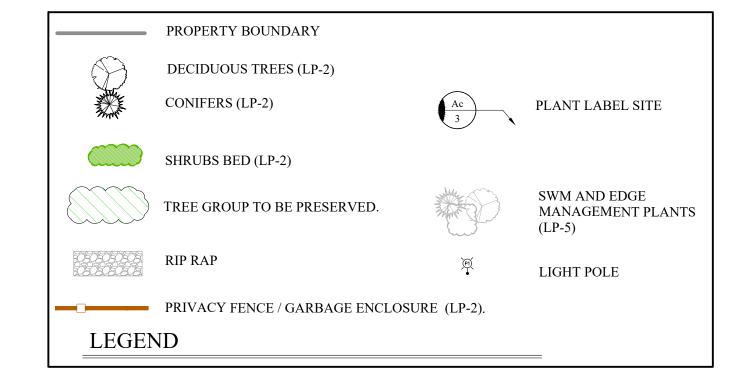
1 gal pot 0.30 m o/c n/a Full form / Container grown

1 gal pot 0.60 m o/c n/a Full form / Container grown

# SITE LANDSCAPING PLANT LIST

REFER TO PLANTING NOTES AND DETAILS ON LP-3

MsM 24 MALEPARTUS MAIDEN GRASS





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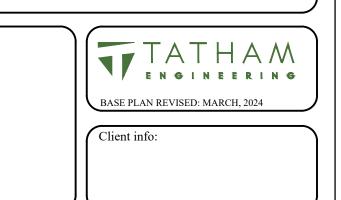
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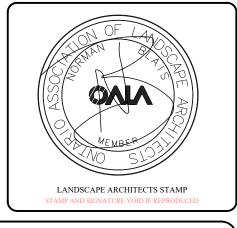
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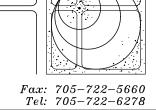




JDB associates Ltd.

Urban Designers Landscape Architects Arborists

274 Burton Ave., Suite 1201 Barrie, Ontario L4N 5W4



180 MOUNTAIN ROAD
City of Collingwood

LANDSCAPE PLAN

SCALE:	DESIGNED BY:	REVIEWED BY:
1/500	StT	NB
CITY FILE No.	OUR FILE REF. # 5-24	

- 1. VERIFY ALL EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES BEFORE COMMENCING WORK.
- 2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE TO SERVICES, EXISTING VEGETATION OR ANY OTHER FEATURES TO BE RETAINED.
- . FOR ALL AREAS OF DISTURBANCE: NATIVE TOPSOIL IS TO BE STRIPPED, STOCK PILED, LABORATORY TESTED AND REPLACED AS PER TOPSOIL

## PLANT MATERIAL REQUIREMENTS

- 4. PLANT MATERIAL LISTED IN THE PLANT SCHEDULE ARE MINIMUM SIZES +/- NURSERY GROWN AND UNIFORM SPECIMENS. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECTS.
- 5. DECIDUOUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND WELL BRANCHED 1.5M ABOVE GRADE UNLESS OTHERWISE STATED.
- 6. CONIFEROUS TREES SHALL HAVE A STRAIGHT CENTRAL LEADER AND DENSELY BRANCHED TO WITHIN 0.3m OF THE GROUND.
- ALL PLANTING MATERIAL AND OPERATIONS TO MEET OR EXCEED THE HORTICULTURAL STANDARDS OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND THE HORTICULTURAL TRADES ASSOCIATION. ALL PLANT MATERIAL TO BE NO.1 GRADE NURSERY STOCK. UNSATISFACTORY STOCK WILL BE REFUSED ON THE SITE.
- S. SOD TO BE CANADA NO.1 NURSERY SOD, MEETING ONTARIO SOD GROWERS ASSOCIATION STANDARDS. ALL SOD AREAS TO RECEIVE 200MM DEPTH OF TOPSOIL UNLESS OTHERWISE INDICATED.

- 9. LOCATIONS FOR PLANT MATERIAL AND PLANTING BEDS ARE TO BE MARKED OR STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT AND MUNICIPAL STAFF PRIOR TO INSTALLATION.
- 10. ALL PLANT MATERIAL WHICH ARE SPECIFIED BY O.C. (ON CENTER SPACING) ARE TO BE PLANTED AS NOTED IN THE PLANT SCHEDULE.
- 11. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANT LIST AND DRAWING, THE DRAWING WILL BE ASSUMED TO BE CORRECT.
- 12. ALL MASS PLANTINGS OF SHRUBS SHALL BE IN CONTINUOUS BEDS AND MULCHED AS SPECIFIED.
- 13. ALL TREE PITS SHALL INCLUDE TREATMENT WITH MICORRHIZAL FUNGI OF THE WALLS BEFORE PLANTING (2L OF "MIKE" OR SIMILAR PRODUCT SHALL BE USED FOR EACH 60MM CALIPER TREE)
- 14. ALL TREES ARE TO BE STAKED OR GUY WIRED ACCORDING TO DETAILS PROVIDED. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED
- 15. REMOVE BURLAP AND ROPE FROM THE TOP 1/3 OF ROOT BALLS.
- 16. WATER AT TIME OF PLANTING AND WHENEVER DEEMED NECESSARY TO MAINTAIN THE TREES IN A HEALTHY CONDITION.
- 17. ALL PLANT MATERIALS WHICH CAN NOT BE PLANTED IMMEDIATELY UPON ARRIVAL ON SITE SHALL BE PROPERLY HEELED IN OR WELL PROTECTED WITH SOIL OR SIMILAR MATERIALS TO PREVENT DRYING OUT AND SHALL BE KEPT MOIST UNTIL COMMENCEMENT OF PLANTING.
- 18. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED OVERNIGHT. ALL OPEN PITS SHALL BE ADEQUATELY PROTECTED BY BARRIERS OR
- 19. ALL NEW WORK TO BLEND NEATLY AND SMOOTHLY WITH EXISTING CONDITIONS.

FILLED IN WITH SOIL PRIOR TO THE END OF EACH PLANTING DAY.

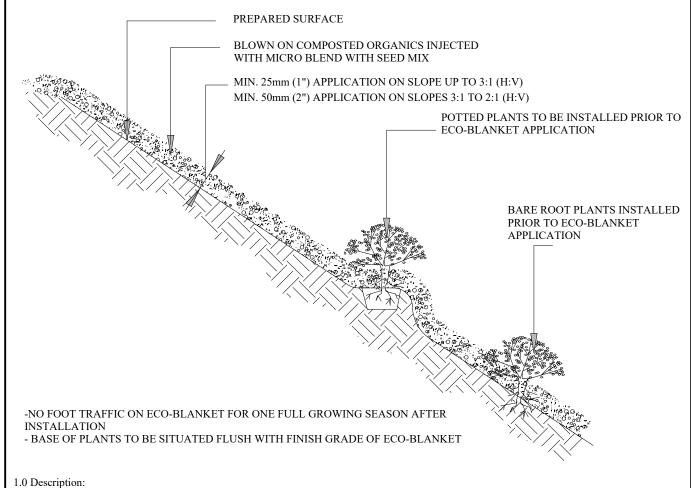
## INSPECTION AND WARRANTY

- . GIVE TIMELY NOTICE TO THE LANDSCAPE ARCHITECT FOR THE REQUIRED START UP SITE INSPECTION TO REVIEW SITE CONDITIONS AND SCHEDULE FOLLOW UP INSTALLATIONS.
- INSTALLATION OF PLANT MATERIAL PRIOR TO INSPECTION BY THE LANDSCAPE ARCHITECT WILL BE THE CONTRACTOR'S
- THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS, WHETHER INSTALLED OR NOT, WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND/OR SITE DRAWING. REMOVE ALL REJECTED PLANTS FROM THE SITE IMMEDIATELY. DO NOT REMOVE ANY LABELS FROM PLANTS UNTIL PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL AND WORKMANSHIP WILL BE INSPECTED AND IS UNDER WARRANTY FOR A MINIMUM OF TWO YEAR FROM DATE OF WRITTEN ACCEPTANCE. ALL PLANT MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION SATISFACTORY TO THE CONTRACT ADMINISTRATOR AT THE END OF THE WARRANTY PERIOD OR BE REPLACED AT THE CONTRACTORS EXPENSE.
- . FINAL ACCEPTANCE OF THE PROJECT WILL BE CARRIED OUT UPON COMPLETION OF ALL WORK INCLUDED IN THE

## TOPSOIL REQUIREMENTS

- 6. PROVIDE MINIMUM SOIL VOLUME PER TREE AT 0.45m DEPTH FOR STREET TREES (OR ABOVE UTILITIES) AND MAX. 0.9m IN OTHER AREAS:
- 18 m<sup>3</sup> FOR LARGE TREES 12 m<sup>3</sup> FOR SMALL TREES
- PREPARED SOIL MIXTURE FOR EACH TREE PITS AND SHRUBS SHALL CONSIST OF HIGH QUALITY SOIL:
- SIX PARTS OF FERTILE LOAM SOIL (50-60% SAND, 20-40% SILT, 6-10% CLAY, 2-5% ORGANIC), WITH A pH OF 7.5\* OR LESS. FREE OF CLAY LUMPS, DEBRIS, TOXIC SUBSTANCES, STONES, WOODY MATERIAL, WEED SEEDS AND GRASS ROOTS
- ONE PART COARSE PULVERIZED CANADIAN PEAT MOS ONE PART OF WELL-ROTTED FARM MANURE
- PREPARED SOIL MIXTURE FOR SOD AREAS SHALL CONSIST OF MIN. 20cm HIGH QUALITY SOIL:
- SIX PARTS OF FERTILE LOAM SOIL (50-60% SAND, 20-40% SILT, 6-10% CLAY, 2-5% ORGANIC), WITH A pH OF 7.5\* OR LESS. FREE OF CLAY LUMPS, DEBRIS, TOXIC SUBSTANCES, STONES, WOODY MATERIAL, WEED SEEDS AND GRASS ROOTS

# PLANTING NOTES



This work shall consist of furnishing, constructing and maintaining an EcoBlanket (to Rexius specifications. EcoBlanket is a ground cover (surface blanket) of the Rexius specified compost/mulch (Erosion Blend) combined with a special additive (Microblend) constructed with a oneumatic blower to control and reduce soil erosion. An EcoBlanket stabilizes the soil, prevents splash, sheet and rill erosion, and removes suspended soil particles and contaminants from water moving off the site and into adjacent waterways or storm water conveyance systems. 1.1. This EcoBlanket must be applied by Landsource Organix Ltd., 100 Britannia Road East, Hornby, Ontario L0P 1E0, tollfree 1 877 548 8558 (toll free fax 1 877 548 8559) or equivalent certified EcoBlanket installer. 2. Materials must be applied using a pneumatic blower unit complete with a supplemental granular injection system capable of installing at

1.3. Contractor must have at least 3 years of proven experience in successfully installing EcoBlanketsTM.

The EcoBlanket filtering material consists of the Rexius Erosion Blend of compost and mulch materials, according to the Rexius particle sizing specifications, in combination with the Rexius Microblend additive. .1. Particle size must meet exact specifications of the Rexius EcoBlanket Erosion Blend material supplied by a certified supplier/installer. 2.2. The compost portion of EcoBlanket shall be derived from well-decomposed organic matter source produced by controlled aerobic (biological) decomposition that has been sanitized through the generation of heat and stabilized to the point that it is appropriate for this particular application. Compost material shall be processed through proper thermophilic composting, meeting the Canadian Council of Ministers of the Environment's (CCME) definition for a 'process to further reduce pathogens' (PFRP). The compost portion shall meet the hemical, physical and biological properties (as outlined in the chart on reverse). These and all other required properties for the performance of he EcoBlanket are included in the Rexius EcoBlanket Manufacture Guidelines followed by certified suppliers/installers. 2.3. Rexius Microblend additive shall be injected into Erosion Blend material at time of EcoBlanket construction. 2.4. A proof of certification as an EcoBlanket supplier shall be submitted to the Landscape Architect for approval prior to installation. Test esults for EcoBlanket performance shall be made available upon request.

2.5. Where seeding or planting is planned, Erosion Blend material must meet Rexius' minimum specification requirements for seeding

1. The EcoBlanket shall be placed as shown on the plans or as directed by the Landscape Architect. 2. On areas with slopes 3:1 to 2:1 (H:V) the EcoBlanket shall be uniformly applied directly at the soil surface with a pneumatic blower as specified by Rexius. EcoBlanket shall be applied at a depth of 50 mm minimum and approximately 90 cm over the top of the slope, or overlap it into existing vegetation. On areas with slopes up to 3:1(H:V) the EcoBlanket shall be applied at a depth of 25mm minimum. In extreme conditions and where specified by the Engineer/Landscape Architect., EcoBerms shall be added and constructed at the top of the slope in parallel intervals down the profile of the slope (6 metres to 9 metres apart) if necessary. (The Engineer/Landscape Architect shall specify berm

3.3. Rexius Microblend shall be applied/injected at a minimum rate of 615 kgs. per hectare (or as specified by Rexius), to be confirmed by 3.4. EcoBlanket application depth may be modified based on specific site (e.g., soil characteristics, existing vegetation) and climatic onditions, as well as particular project related requirements. The severity of slope grade, as well as slope length will also influence the

addition of EcoBerms and number of EcoBerm placements in combination with the EcoBlanket. 3.5. If temporary or long-term vegetation is required, Erosion Blend material may be injected with seed during application. The Engineer/Landscape Architect shall specify seed requirements and the compost/mulch component shall abide by the minimum standards set by

3.6. Where vegetation is to be established, slightly roughen (scarify) slopes and remove large clods, rocks, stumps, roots larger than 50 mm in diameter and debris on slopes. This soil preparation step may be eliminated where approved by the Landscape Architect/Designer, or where seeding or planting is not planned. Where practical, track (compact) perpendicular to contours on the slope using a bulldozer before applying

.7. Do not use EcoBlankets in areas of concentrated flow (ie. ditches, streams, etc.) 3.8. Unless otherwise allowed by Landscape Architect, seeding shall be performed within the local region's seeding deadlines.

The Contractor shall maintain the EcoBlanket in a functional condition at all times. Contractor shall make periodic inspections of the EcoBlanket for effectiveness and shall immediately correct all deficiencies. Where deficiencies exist, additional EcoBlanket material shall be nstalled immediately to required depth.

#### .0 Method of Measurement: CoBlanket shall be measured by the square metre, complete in place.

.1. Place EcoBlankets on denuded areas immediately or as directed by Landscape Architect. EcoBerms and/or temporary or permanent vegetation shall be applied/established when necessary, along with other appropriate structural measures and controls, for additional erosion

6.2. The work specified in this Section consists of designing, providing, and maintaining erosion and sedimentation controls as necessary. All existing and foreseeable future conditions that affect the work inside and outside the site limits must be acknowledged as the Contractor's 6.3. Contractor is responsible for providing effective sediment control measures based on performance. Contractor may, with approval from the

Parameters 1,4 Reported as (units of measure) EcoBlanket to be Vegetated EcoBlanket to be left Un-vegetated

Landscape Architect, work outside the minimum construction requirements to establish a working erosion control system.

#### PH2 pH units 5.0 - 8.5 N/A Soluble Salt Concentration2 (electrical conductivity) ds/m (mmhos/cm) Maximum 5 N/A

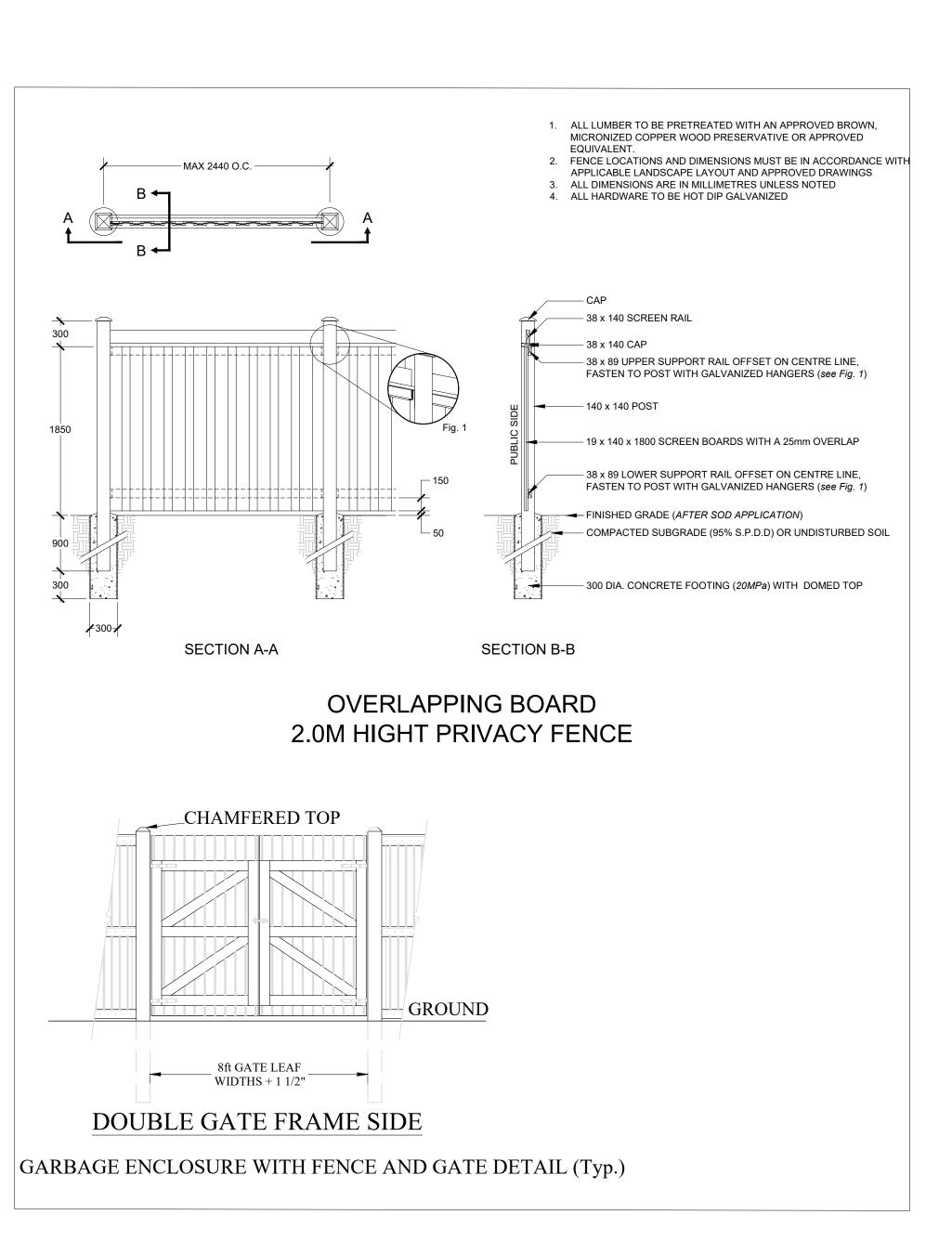
Stability3 Carbon Dioxide Evolution Rate mg CO2-C per g OM per day < 8 N/A Physical Contaminants (man-made inerts) % dry weight basis < 1 < 1

. Recommended test methodologies are provided in Test Methods for the Examination of Composting and Compost (SCC through BNQ) 2. Each specific plant species requires a specific pH range. Each plant also has a salinity tolerance rating, and maximum tolerable quantities are known. When specifying the establishment of any plant or turf species, it is important to understand their pH and soluble salt requirements, and how they relate to the compost in use. 3. Stability/Maturity rating is an area of compost science that is still evolving, and as such, other various test methodscould be considered.

Also, never base compost quality conclusions on the result of a single stability/maturity test. 4. Landscape Architect may modify the allowable compost specification ranges based on specific field conditions and plant requirements.

# ECOBLANKET SPECIFICATIONS AND DETAIL

DETAIL ADAPTED FROM LANDSOURCE ORGANIX EcoBlanket (tel.:1-877-548-8558)





#### GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

ANY ACCOMPANYING DOCUMENTATION RELATING TO THE LANDSCAPE PLAN AND/OR PRESERVATION PLAN SUCH AS TENDER DOCUMENTS AND CHANGE NOTICES ARE TO BE ENDORSED BY J.D.B. ASSOCIATES LIMITED PRIOR TO THE BEGINNING OF ANY SITE WORKS. IN THE EVENT THAT OF A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

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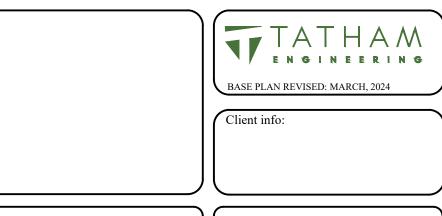
SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY

No.	REVISION	DATE	APRVD.
1.	CLIENT REVIEW	August 8, 2024	StT
2.	AS PER CITY COMMENTS	October 22, 2024	StT
3.	AS PER CITY COMMENTS	January 28, 2025	StT
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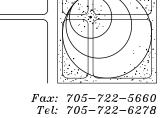




# JDB associates Ltd.

Urban Designers Landscape Architects Arborists

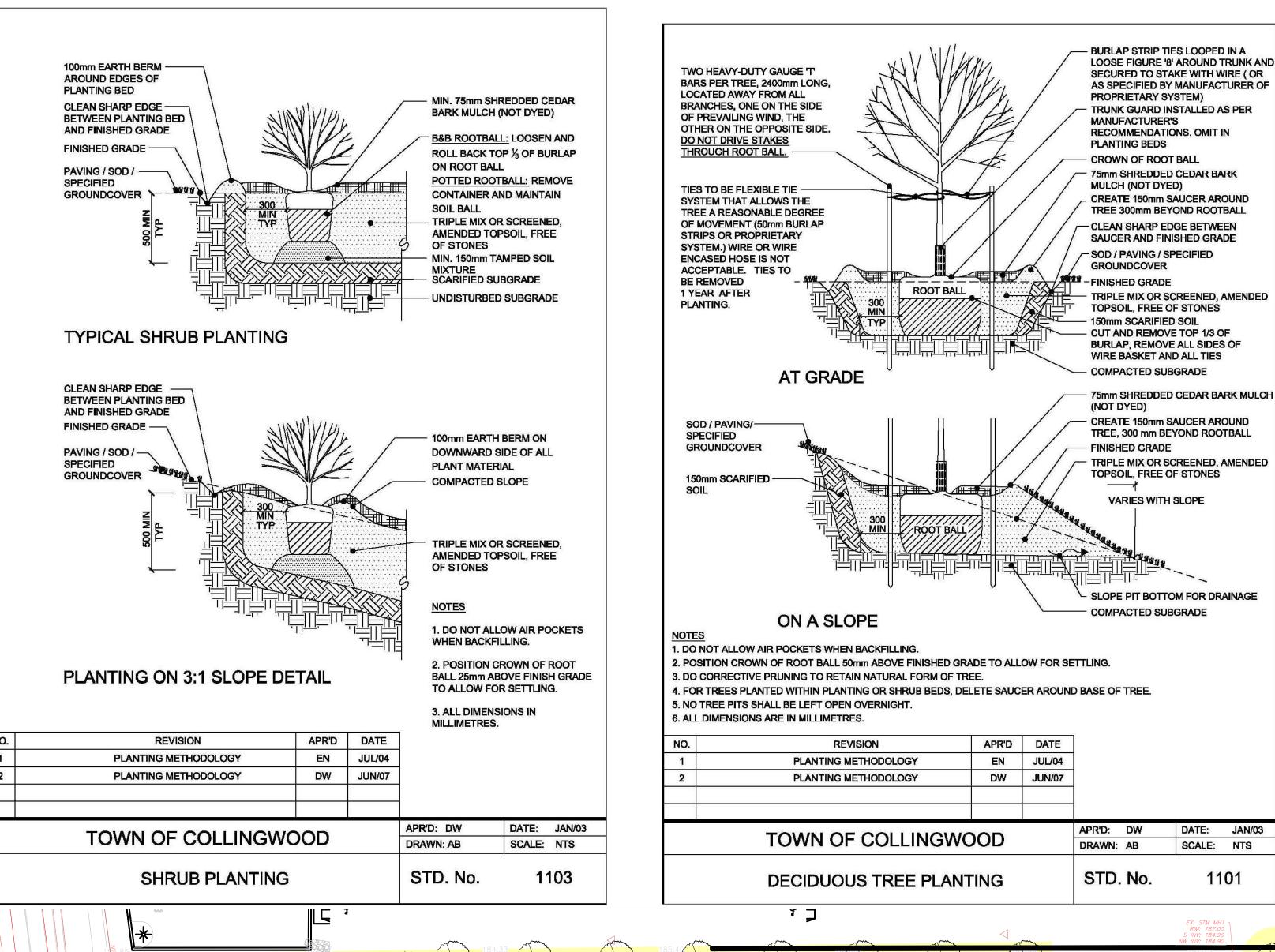
274 Burton Ave., Suite 1201 Barrie, Ontario L4N 5W4

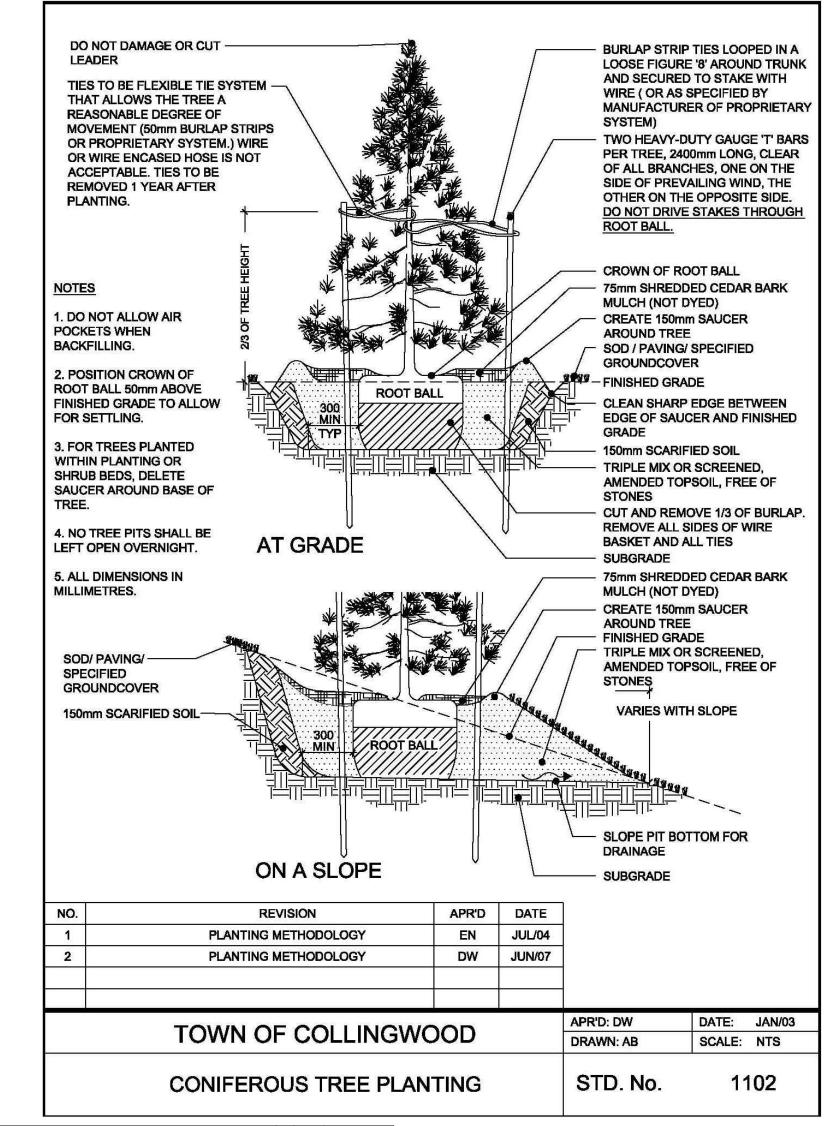


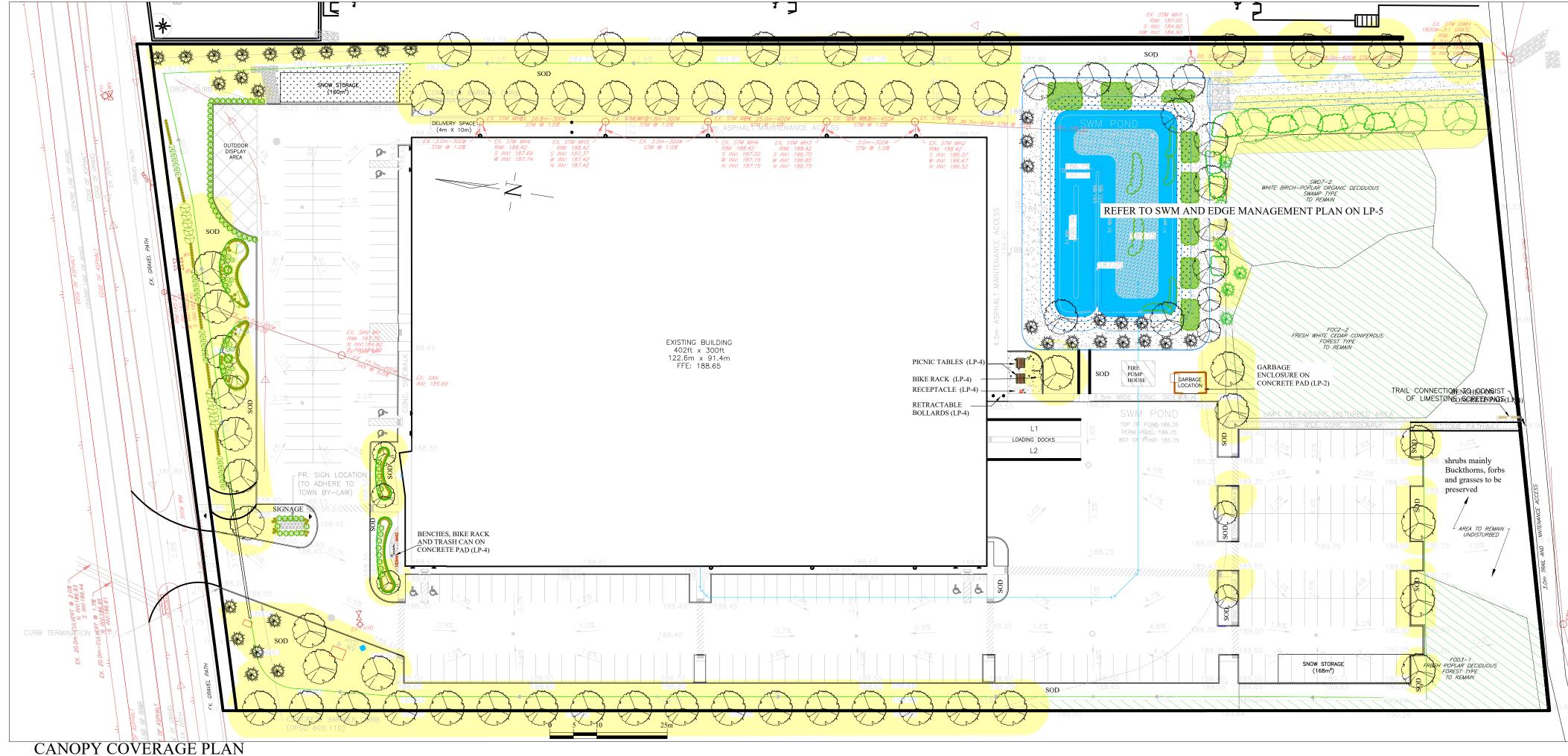
# 180 MOUNTAIN ROAD City of Collingwood

LANDSCAPE PLAN DETAILS

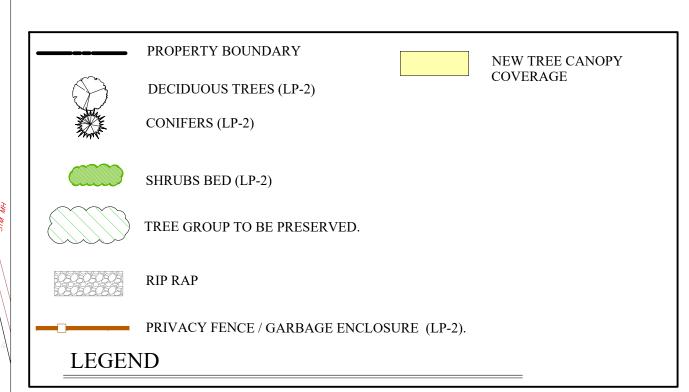
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NTS	StT	NB
CITY FILE No.	OUR FILE REF. # 5-24	LP-2

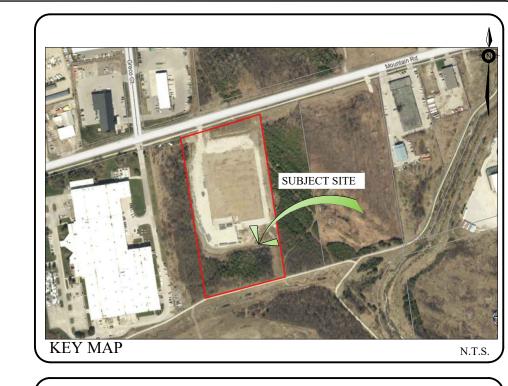






Total area:  $40,473 \text{ m}^2$  minus SWM:  $2,690 \text{ m}^2 = 37,783 \text{m}^2$ Tree preservation:  $3,300 \text{ m}^2$  plus new canopy:  $9,047 \text{ m}^2 = 12,347 \text{ m}^2$  (33%)





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SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY CONVENIENT TIME.

REVISION	DATE	APRVD
CLIENT REVIEW	August 8, 2024	StT
AS PER CITY COMMENTS	October 22, 2024	StT
AS PER CITY COMMENTS	January 28, 2025	StT
	CLIENT REVIEW AS PER CITY COMMENTS	CLIENT REVIEW August 8, 2024 AS PER CITY COMMENTS October 22, 2024

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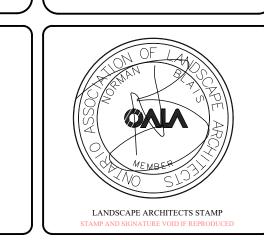
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ACCEPTED



JDB ASSOCIATES LTD.

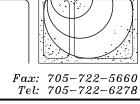
Urban Designers
Landscape Architects
Arborists

Arborists

274 Burton Ave., Suite 1201

Barrie, Ontario

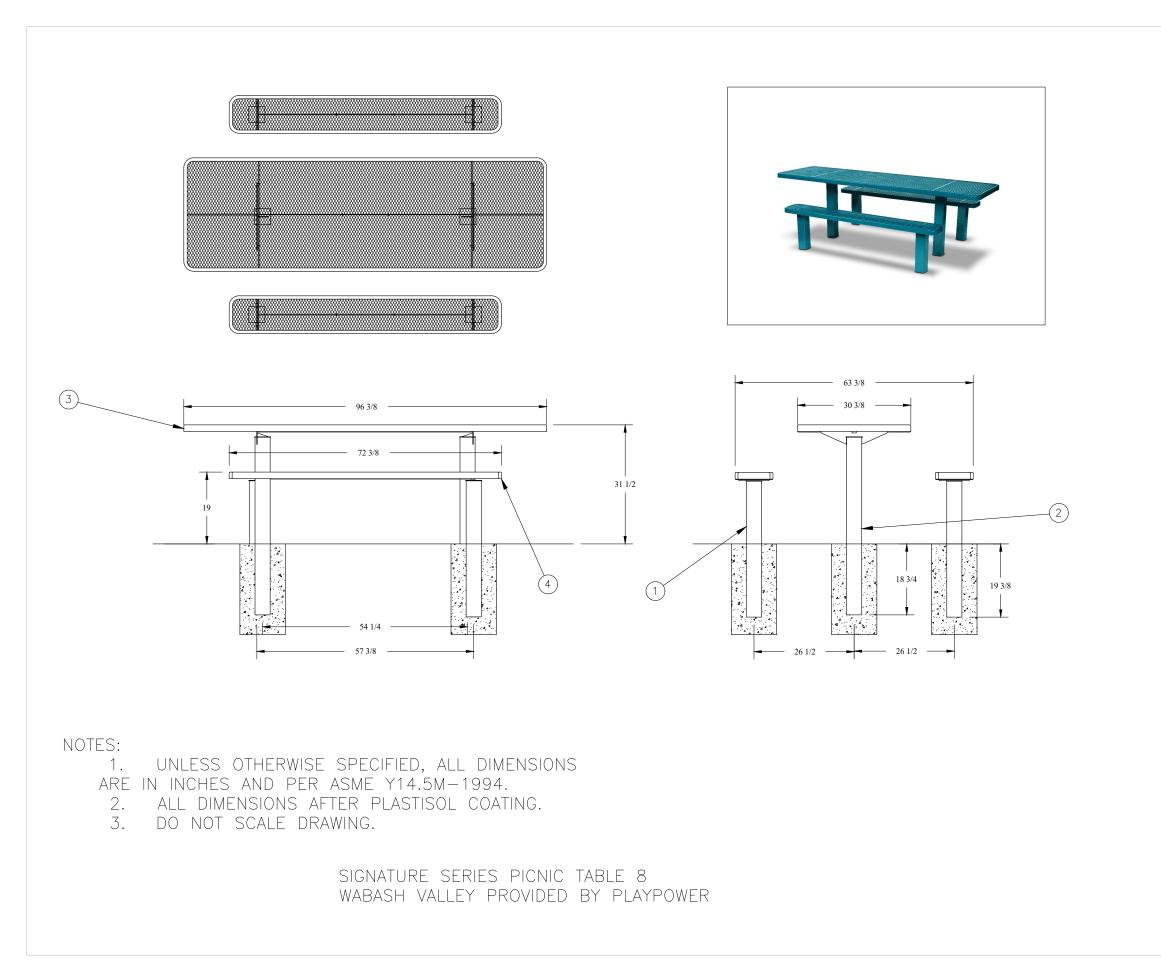
L4N 5W4



180 MOUNTAIN ROAD
City of Collingwood

PLANTING DETAILS

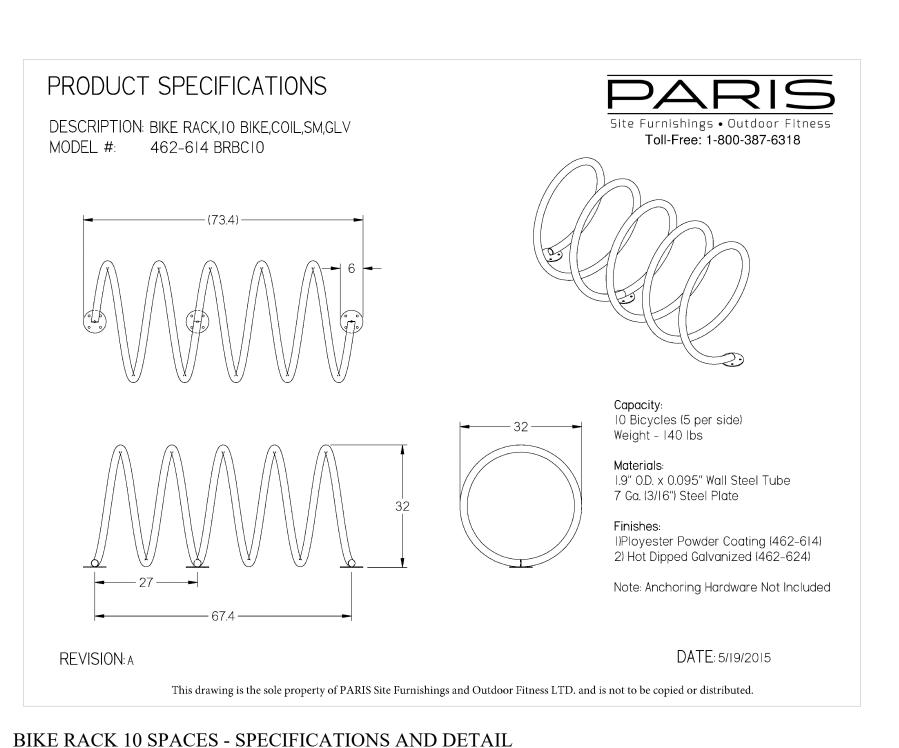
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CITY FILE No.	OUR FILE REF. # 5-24	LP-3

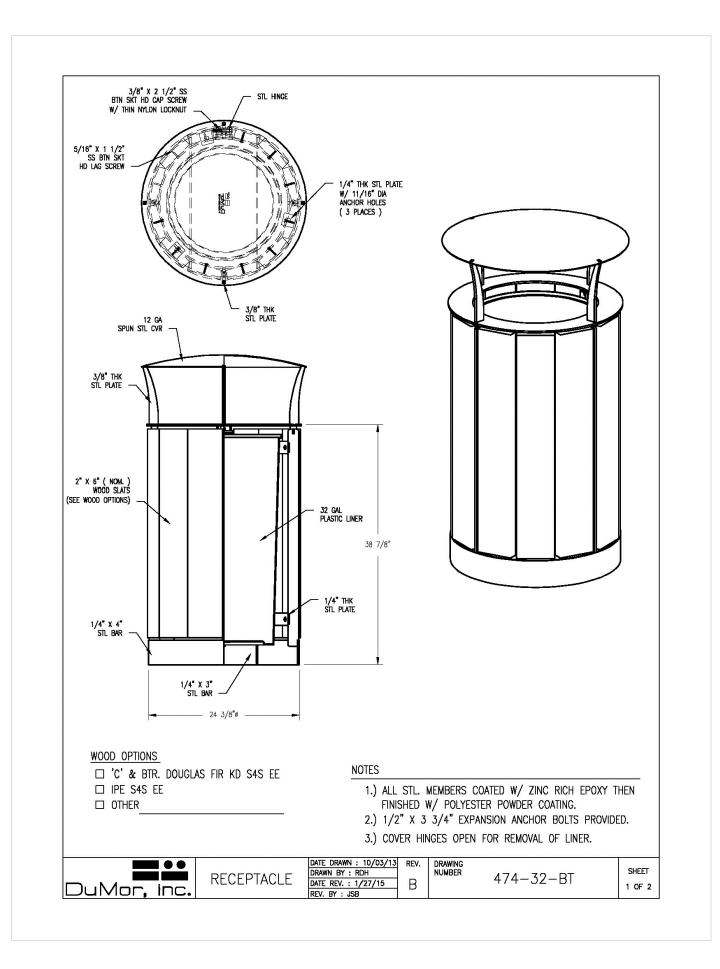


PICNIC TABLE SPECIFICATIONS AND DETAIL

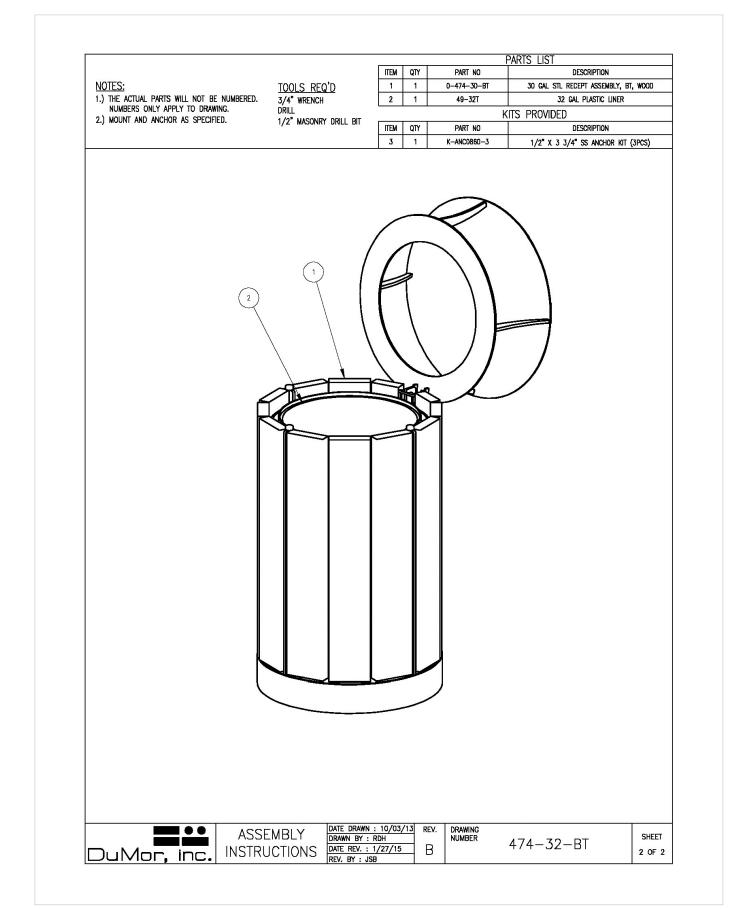
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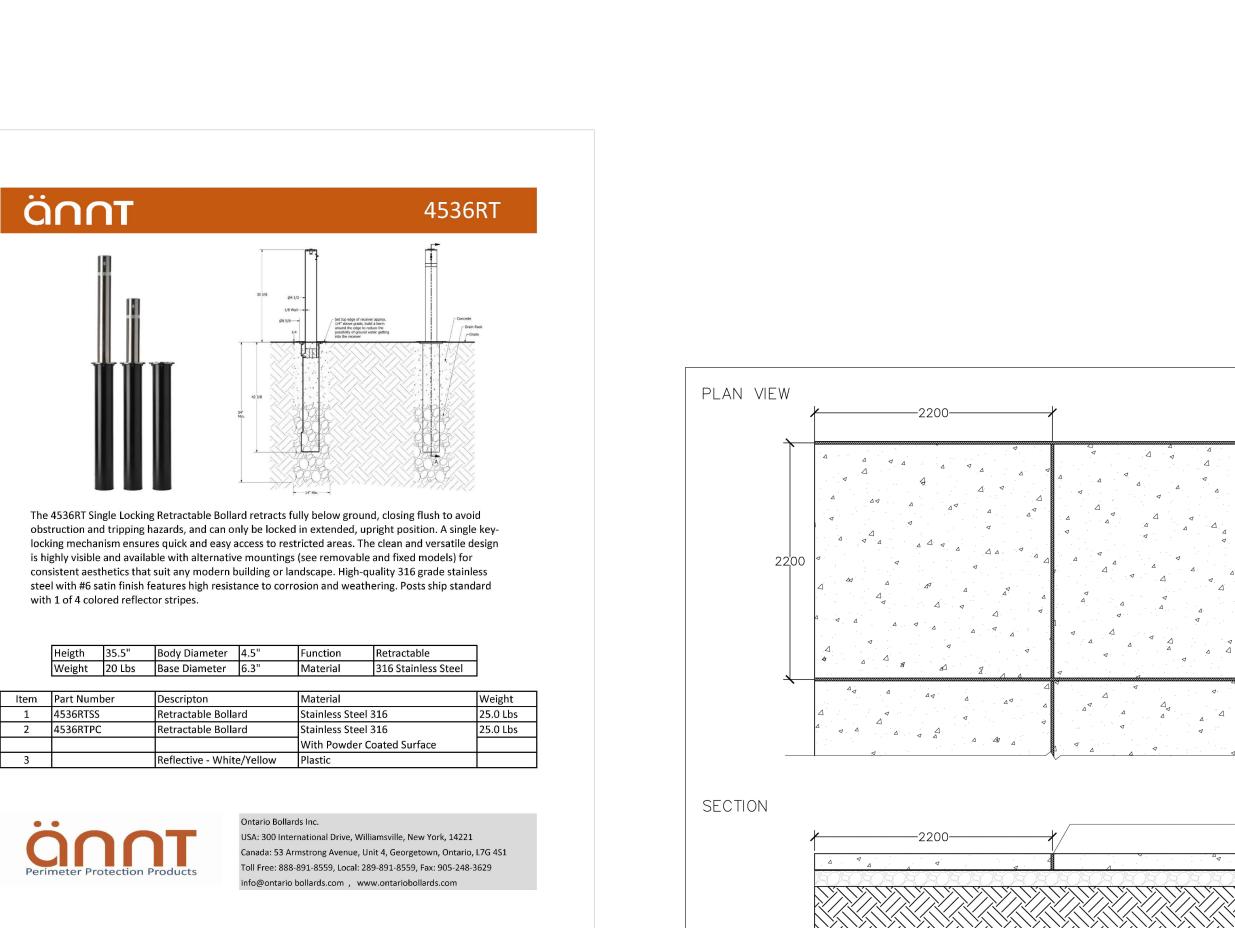
- ALL SITE FURNITURE TO BE HORIZONTALLY INSTALLED ON CONCRETE PAD
- SIMILAR EQUAL PRODUCTS ARE ACCEPTABLE UPON APPROVAL BY THE LANDSCAPE ARCHITECT.





RECEPTACLE SPECIFICATIONS AND DETAIL





CONCRETE PAD DETAIL



#### GENERAL NOTES

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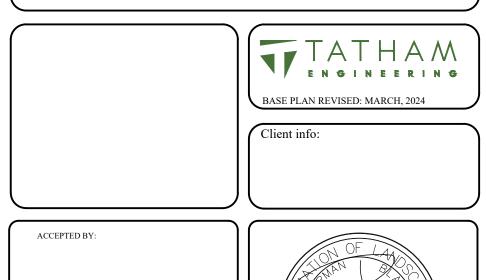
SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY

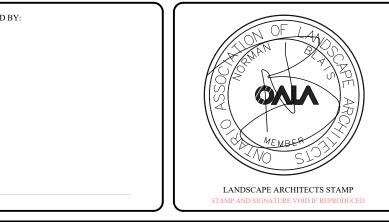
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DB associates Ltd.	
rban Designers undscape Architects borists 74 Burton Ave., Suite 1201	
arrie, Ontario 4N 5W4	Fax: 705-722-5660 Tel: 705-722-6278

180 MOUNTAIN ROAD
City of Collingwood

SITE FURNITURE

-25mm FIBERBOARD EXPANSION JOINT

- 25mm FIBERBOARD EXPANSION JOINT

5mm SCREENING BED

-COMPACTED SUBGRADE

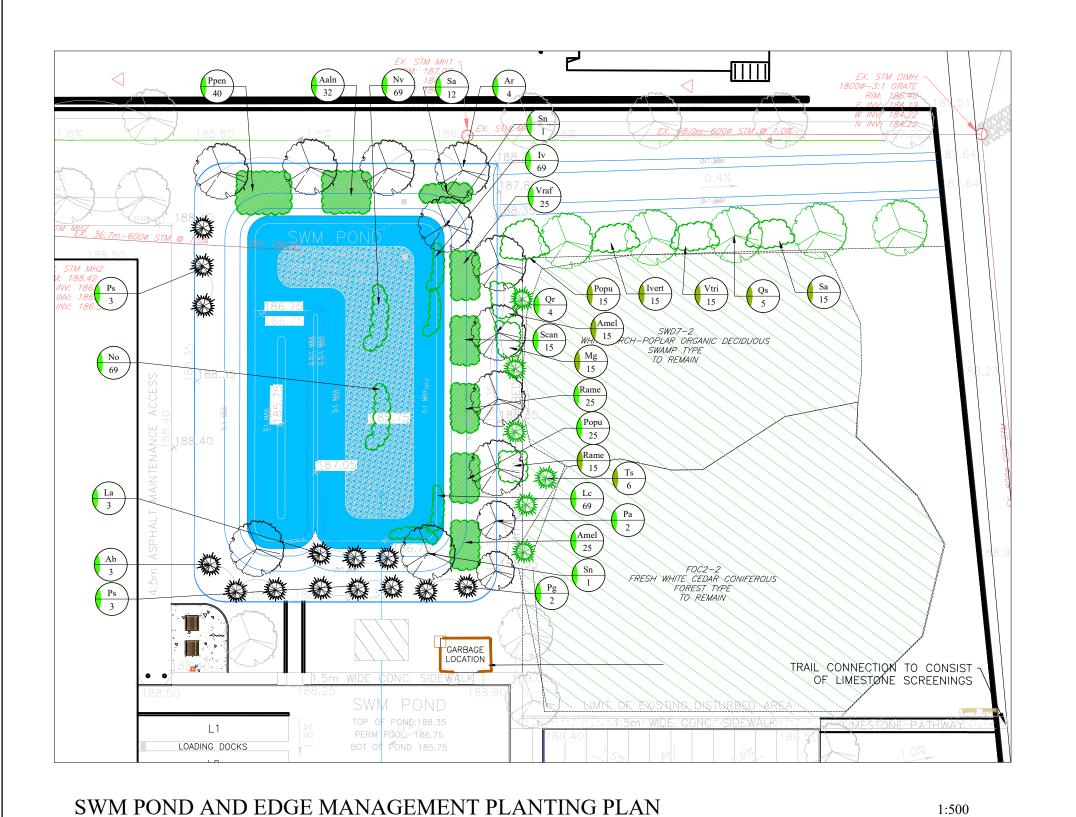
-150mm BROOM FINISHED CONCRETE PAVEMENT

150mm GRANULAR 'A' COMPACTED TO 95% S.P.D.

SCALE:	DESIGNED BY:	REVIEWED BY:
NTS	StT	NB
CITY FILE No.	OUR FILE REF. # 5-24	LP-4

Ontario Bollards Inc.
USA: 300 International Drive, Williamsville, New York, 14221
Canada: 53 Armstrong Avenue, Unit 4, Georgetown, Ontario, L7G 451
Toll Free: 888-891-8559, Local: 289-891-8559, Fax: 905-248-3629
info@ontario bollards.com , www.ontariobollards.com

RETRACTABLE BOLLARD SPECIFICATIONS AND DETAIL



BOTANICAL NAME

Acer rubrum

Quercus rubra

Salix nigra

Prunus americana

Abies balsamea

Larix laricina

Picea glauca

Pinus strobus

CODE | QNTY | COMMON NAME

NATIVE TREES

Ar 4 RED MAPLE

Qr 4 RED OAK

Pa 2 AMERICAN PLUM

Sn 2 BLACK WILLOW

Ab 3 BALSAM FIR

CONIFEROUS TREES

La 3 AMERICAN LARCH

Ps 6 EASTERN WHITE PINE

Pg 2 WHITE SPRUCE

SEEDING AREAS

M MEX. 36.7m-600∅ STM @ 109 TRAIL CONNECTION TO CONSIST OF LIMESTØNE SCREENINGS L1 LOADING DOCKS BOT OF POND 185.75

PLANT LABEL SWM

PLANT LABEL EDGE

EDGE MANAGEMENT

MANAGEMENT

PLANTS (LP-2)

SHORELINE ZONE

NO-MOW ZONE APPROXIMATELY 435 sq/m (+10%) (+/- MEASUREMENTS TO BE TAKEN ON SITE)

- #7107 SEASONALLY FLOODED ANNUAL/PERENNIAL MIXTURE 5% NODDING BUR MARIGOLD (Biddens ceruna)
- 22% FOX SEDGE (Carex vulpinoidea) 25% CANADA WILD RYE (Elymus canadensis)
- 25% SWITCHGRASS (Panicum virgatum)
- 23% FOWL MEADOWGRASS (Poa palustris)

SEEDING RATE - 30kg PER HECTARE SUPPLIED BY - OSC SEEDS 1-519-886-0557

ANNUAL RYE NURSE CROP TO BE APPLIED AT TIME OF SEASONALLY FLOODED ANNUAL/PERENNIAL MIXTURE AT A RATE OF 12kg PER HECTARE. REFER TO TERRASEEDING NOTES AND MULCH APPLICATION SPECIFICATIONS IN THIS BOX FOR FURTHER DETAILS.

NB - ALL DISTURBED AREAS TO BE TERRASEEDED

UPLAND PLANTING ZONE

NO-MOW ZONE (INCLUDING ACCESS ROAD) APPROXIMATELY 1180 sq/m (+10%) (+/- MEASUREMENTS TO BE TAKEN ON SITE)

SIMCOE COUNTY NATIVE UPLAND MIXTURE 2% NEW ENGLAND ASTER (Aster novae-anglaie)

- 12% BLACK EYED SUSAN (Rudbeckia hirta)
- 20% SAND DROPSEED (Sporobolus crytandrus)
- 20% CANADA WILD RYE (Elymus candadensis)
- 4% CANADA GOLDEN ROD (Solidago canadensis) 5% COMMON MILKWEED (Asclepias syriaca)
- 1% WILD BERGAMONTE (Monarda Fistulosa) 1% SMOOTH BLUE ASTER (Aster laevis) 15% LITTLE BLUE STEM (Andropogon scoparius)

20% INDIANGRASS (Sorghastrum nutans)

SUPPLIED BY - OSC SEEDS 1-519-886-0557 ANNUAL RYE NURSE CROP TO BE APPLIED AT TIME OF NATIVE UPLAND PLANTING MIXTURE AT A RATE OF 25kg PER HECTARE. REFER TO TERRASEEDING NOTES AND MULCH APPLICATION SPECIFICATIONS IN THIS BOX FOR FURTHER DETAILS.

## TERRASEEDING APPLICATION SPECIFICATIONS

SEEDING RATE - 25kg PER HECTARE

ECOBLANKET OR TERRASEEDING TACTIFIER / FLEXGUARD HYDROMULCH SHALL BE APPLIED AS PER MANUFACTURER SPECIFICATIONS. SEE NOTES ON THIS PAGE.

TOPSOIL SHALL BE PROVIDED TO A MINIMUM DEPTH OF 0.45m FOR TERRESTRIAL AREAS EXCEPT THE ACCESS ROAD BASE (5cm) AND MINIMUM 0.35m FOR TEMPORARY UNDERWATER AREAS.

TOPSOIL QUALITY SHALL BE AS PER OPSS.MUNI 802. IT SHALL BE TESTED BY AN INDEPENDENT LABORATORY PRIOR TO INSTALLATION.

SEEDING AND TOP SOIL NOTES



### GENERAL NOTES

CONVENIENT TIME.

CONTRACTOR IS RESPONSIBLE FOR ALL LOCATES INCLUDING ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION OR INSTALLATIONS. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

ANY ACCOMPANYING DOCUMENTATION RELATING TO THE LANDSCAPE PLAN AND/OR PRESERVATION PLAN SUCH AS TENDER DOCUMENTS AND CHANGE NOTICES ARE TO BE ENDORSED BY J.D.B. ASSOCIATES LIMITED PRIOR TO THE BEGINNING OF ANY SITE WORKS. IN THE EVENT THAT OF A DISCREPANCY THE DRAWING SHALL BE ASSUMED CORRECT.

IT IS THE RESPONSIBILITY OF THE PERSON OR PERSONS RESPONSIBLE FOR THE CONSTRUCTED WORKS TO NOTIFY THE LANDSCAPE ARCHITECT WHEN PREPARED FOR ANY REQUIRED INSPECTIONS AND SIGN OFFS.

SCHEDULED MEETINGS SHALL TAKE PLACE AT THE CLOSEST MUTUALLY

No.	REVISION	DATE	APRVD.
1.	CLIENT REVIEW	August 8, 2024	StT
2.	AS PER CITY COMMENTS	October 22, 2024	StT
3.	AS PER CITY COMMENTS	January 28, 2025	StT

ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF JDB ASSOCIATES LIMITED. DRAWINGS ARE NOT TO BE MODIFIED AND/OR REPRODUCED WITHOUT THE WRITTEN CONSENT OF JDB ASSOCIATES LIMITED. REPRODUCTION OF DRAWINGS IN ANY FORM WITHOUT THE CONSENT OF JDB ASSOCIATES LIMITED VOIDS THE DRAWING AT WHICH TIME JDB ASSOCIATES LIMITED ACCEPTS NO LIABILITY FOR THE DRAWING CONTENT OR WORKS RESULTING FROM SAID REPRODUCTION. DRAWINGS MAY BE REPRODUCED BY MUNICIPAL AND GOVERNMENT AGENCIES RESPONSIBLE FOR APPROVALS FOR THEIR OWN USE. JDB ASSOCIATES RESERVES THE RIGHT TO WITHDRAW ANY DRAWING(S) FROM GOVERNMENT OR MUNICIPAL AGENCIES WHETHER APPROVED OR NOT IN THE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON THE SITE AND REPORT ANY DISCREPANCIES OR VARIATIONS FROM THE SUPPLIED INFORMATION TO THE LANDSCAPE ARCHITECT WITH THE PROJECT. JDB ASSOCIATES LIMITED IS NOT RESPONSIBLE FOR THE ACCURACY OF SURVEY, ARCHITECTURAL, MECHANICAL, ENGINEERING OR ELECTRICAL INFORMATION SHOWN ON THE DRAWING. FOR FURTHER INFORMATION REFER TO APPROPRIATE SURVEY, ARCHITECTURAL, MECHANICAL, ENGINEERING OR

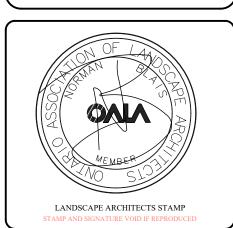
EVENT THAT ACCOUNTS ARE NOT SETTLED OR REMAIN OUTSTANDING.

ELECTRICAL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORKS.

THIS DRAWING IS NOT TO BE SCALED.



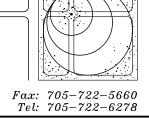




JDB associates LTD.

Urban Designers Landscape Architects Arborists

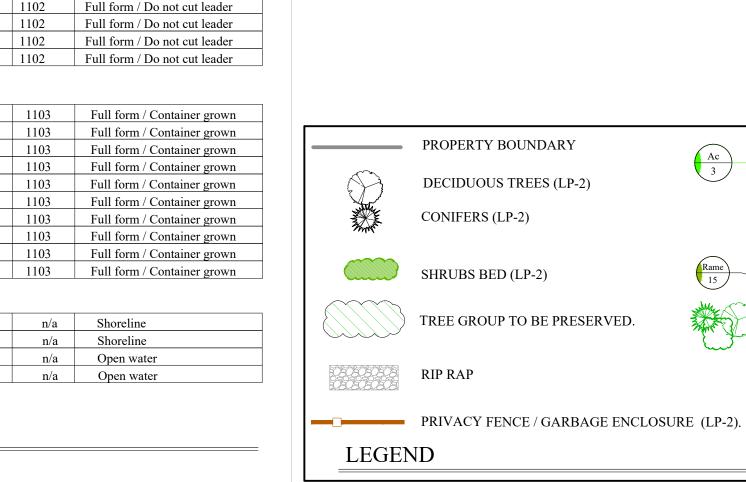
274 Burton Ave., Suite 1201 Barrie, Ontario L4N 5W4



180 MOUNTAIN ROAD City of Collingwood

EDGE MANAGEMENT PLANTING PLAN

SCALE: 1/500	DESIGNED BY: StT	REVIEWED BY: NB
CITY FILE No.	OUR FILE REF. # 5-24	LP-5



SIZE FORM SPACING DETAIL NOTES

60 mm W.B. 6.0 m o/c

200cm w.b. 6m o/c

200cm w.b. 8.0m o/c

200cm w.b. 6m o/c

w.b. 5m o/c

60 mm W.B. 9.0 m o/c 1101 Full Form/ Fall prunning only

60 mm W.B. 9.0 m o/c 1101 Spring planting/ Soil pH<7.5

60 mm W.B. 15.0 m o/c 1101 Full Form/ Fall prunning only

70NE	Α	В	C(aq#spp)	D(#spp)	Е	F
ZONE	$m^2$	m (main)	35%	50%	(#trees)	(#shrubs)
Submergent	n/a	125	44	n/a	n/a	n/a
Aquatic	n/a	125	44	n/a	n/a	n/a
Shoreline	139	_	-	70	n/a	70
Flood fringe	296	_		148	7	37
Upland*	742	-	-	371	19	93
Total required			88		26	199
Total provided			88		26	199

PROPERTY BOUNDARY

CONIFERS (LP-2)

SHRUBS BED (LP-2)

RIP RAP

DECIDUOUS TREES (LP-2)

TREE GROUP TO BE PRESERVED.

NAT	IVE	E SHRUBS						
Aaln	32	SERVICE-BERRY	Amelanchier alnifolia	60 cm	3 gal	1.8m o/c	1103	Full form / Container grown
Amel	25	BLACK CHOKEBERRY	Aronia melanocarpa	60 cm	3 gal	1.2m o/c	1103	Full form / Container grown
Popu	25	COMMON NINEBARK	Physocarpus opulifolius	60 cm	3 gal	1.8m o/c	1103	Full form / Container grown
Ppen	40	PIN CHERRY	Prunus pensylvanica	60 cm	3 gal	6.0m o/c	1103	Full form / Container grown
Rame	25	SWAMP RED CURRANT	Ribes triste	60 cm	3 gal	1.0 m o/c	1103	Full form / Container grown
Sa	27	MEADOWSWEET	Spiraea alba	60 cm	3 gal	1.2m o/c	1103	Full form / Container grown
Scan	15	RED BERRIED ELDER	Sambucus racemosa	60 cm	3 gal	2.5m o/c	1103	Full form / Container grown
Sl	12	SHINING WILLOW	Salix lucida	60 cm	3 gal	1.0m o/c	1103	Full form / Container grown
Sp	11	SLENDRE WILLOW	Salix petiolaris	60 cm	3 gal	2.5m o/c	1103	Full form / Container grown
Vraf	25	DOWNY ARROW-WOOD	Viburnum rafinesquianum	60 cm	3 gal	1.5m o/c	1103	Full form / Container grown
AQU	JAT	IC PLANTS						
Iv	22	WILD BLUE FLAG IRIS	Iris versicolor	10cm	plug	n/a	n/a	Shoreline
Lc	22	CARDINAL FLOWER	Lobelia canadensis	10cm	plug	n/a	n/a	Shoreline
Nv*	22	YELLOW POND LILY	Nuphar variegatum	10cm	1 gal	n/a	n/a	Open water
No*	22	WHITE WATER LILY	Nymphaea odorata	10cm	1gal	n/a	n/a	Open water
		POND PLANTING LIST E TREES						
Qs	5 S	WAMP WHITE OAK	Quercus bicolor	60 mm	W.B.	15.0 m o/c	1101 S	pring planting/ Soil pH<7.5
Ts	6 E	EASTERN HEMLOCK	Tsuga canadensis	200cm	w.b. 8	3 m o/c	1102	Full form / Do not cut leader
	NATIVE SHRUBS							
Amel	15	BLACK CHOKEBERRY	Aronia melanocarpa	60 cm	3 gal	1.2m o/c	1103	Full form / Container grown
Ivert	15	WINTERBERRY	Ilex verticillata	40 cm	3 gal	1.0m o/c	1103	Full form / Container grown
Mg	15	SWEET GALE	Myrica gale	60 cm	3 gal	1.0 m o/c	1103	Full form / Container grown
Popu	15	COMMON NINEBARK	Physocarpus opulifolius	60 cm	3 gal	1.8m o/c	1103	Full form / Container grown
Rame	15	SWAMP RED CURRANT	Ribes triste	60 cm	3 gal	1.0 m o/c	1103	Full form / Container grown
Sa	15	MEADOWSWEET	Spiraea alba	60 cm	3 gal	1.2m o/c	1103	Full form / Container grown
Vtri	15	HIGH BUSH CRANBERRY	Viburnum trilobum	60 cm	3 gal	2.5m o/c	1103	Full form / Container grown
ED	EDGE MANAGEMENT PLANTING LIST							