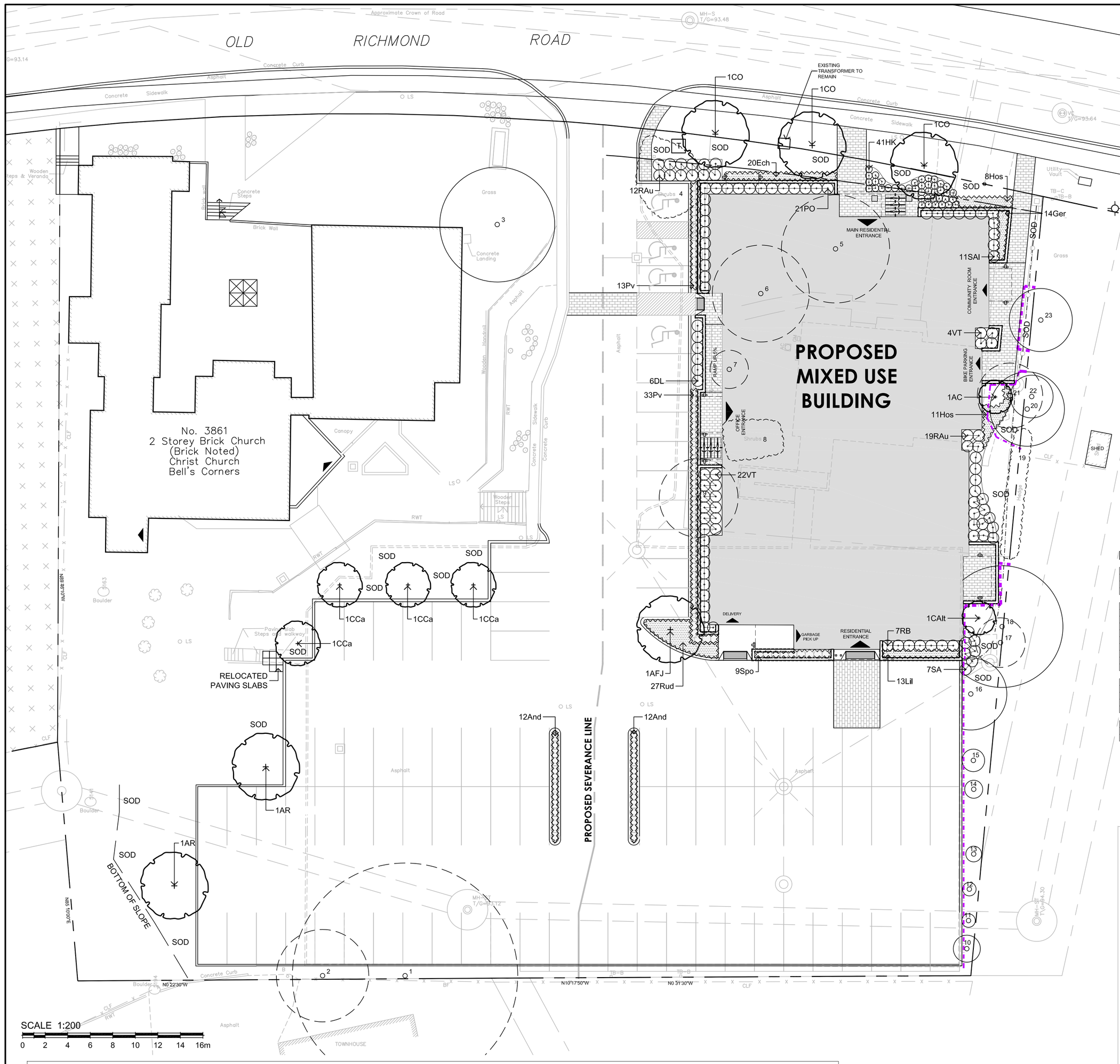
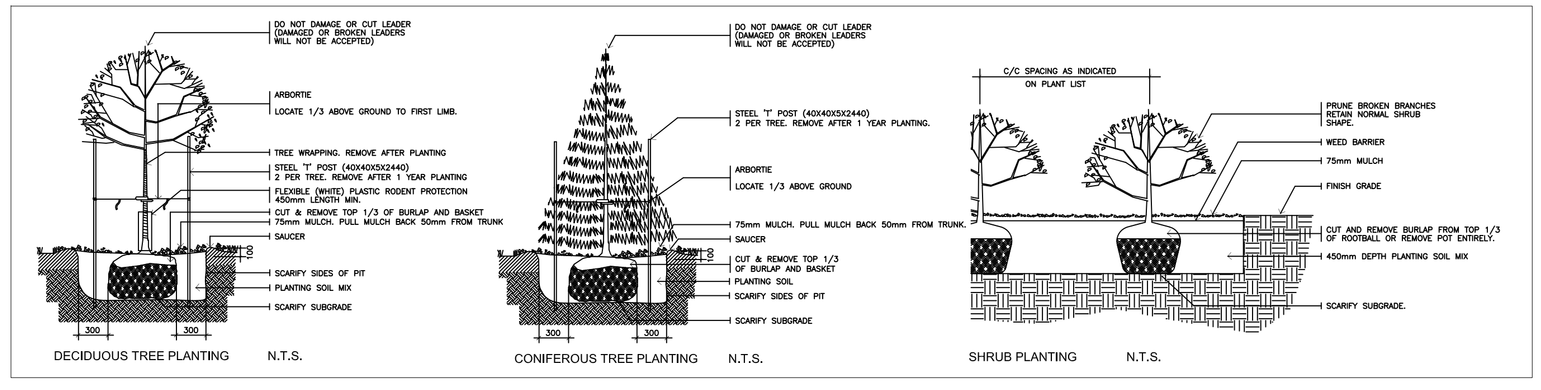




1 L1.01 PLANTING DETAILS NTS

SCHEDULE OF EXISTING TREES

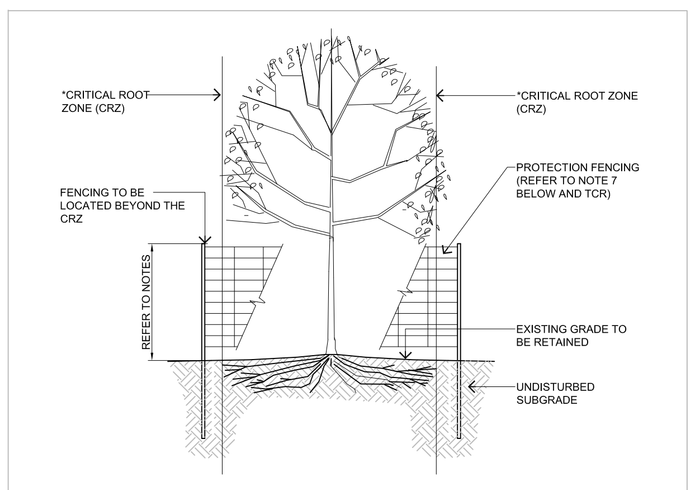
(Inventory conducted March 27, 2020)

CODE	SPECIES	CONDITION	DBH[1] (cm)	AGE/ CLASS / CONDITION / ACTION NOTES
1	Manitoba maple *(Acer negundo)*	Fair	+/-100 (at 0.3m)	Very mature; co-dominant stems at 1m from grade; both split again at 4m – broad crown; naturalized species in Eastern Ontario DEVELOPMENT CONFLICT / **REMOVE**
2	Manitoba maple	Fair	41	Mature; co-dominant leaders at 6m from grade; divergent scaffold branches at 2 & 5.5m – crown asymmetric; DEVELOPMENT CONFLICT / **REMOVE**
3	White spruce *(Picea glauca)*	Good	51	Mature; fair crown density, good growth increment and needle colour; many surface roots, some binding; good root collar; moderate cone crop in 2019 **RETAIN / PRESERVE**
4	Common lilac *(Syringa vulgaris)*	Fair	<10	Mature; dense cluster of older stems and root sprouts DEVELOPMENT CONFLICT / **REMOVE**
5	Crab apple *(Malus spp.)*	Fair	48 (at 0.4m)	Mature; co-dominant stems at 2.25m with laterals at 1m (competing) & 1.5m (suppressed); very broad crown; graft union at root collar DEVELOPMENT CONFLICT / **REMOVE**
6	Crab apple	Fair	43 (at 1m)	Mature; co-dominant stems at 1.5m; crown asymmetrical due to proximity to nearby building; broad, dense crown; graft union at root collar DEVELOPMENT CONFLICT / **REMOVE**
7	Little-leaf linden *(Tilia cordata)*	Fair	17	Maturing; in early decline due to heavy linden borer *(Saperda vestita)* damage at base; poor growth increment DEVELOPMENT CONFLICT / **REMOVE**
8	Common lilac	Fair	<10	Mature; dense cluster of older stems and root sprouts DEVELOPMENT CONFLICT / **REMOVE**
9	Balsam fir *(Abies balsamea)*	Fair	35	Mature; poor crown density and needle colour, fair growth increment; under growing stress due to restricted rooting area; seam on lower trunk from grade to 1.5m – possible sign of internal decay common to species DEVELOPMENT CONFLICT / **REMOVE**
10	Amur maple *(Acer ginnala)*	Fair	12 avg.	Maturing; multi-stemmed from grade to 0.25m – three stems in total **RETAIN / PRESERVE**
11	Amur maple	Fair	6 avg.	Maturing; multi-stemmed from grade to 0.25m – four stems in total **RETAIN / PRESERVE**
12	Amur maple	Fair	6 avg.	Maturing; multi-stemmed from grade to 0.25m – seven stems in total **RETAIN / PRESERVE**
13	Amur maple	Fair	7 avg.	Maturing; multi-stemmed from grade to 0.25m – eight stems in total **RETAIN / PRESERVE**
14	Amur maple	Fair	8 avg.	Maturing; multi-stemmed from grade to 0.25m – seven stems in total **RETAIN / PRESERVE**
15	Amur maple	Fair	10 avg.	Maturing; multi-stemmed from grade to 0.25m – nine stems in total **RETAIN / PRESERVE**
16	Little-leaf linden	Good	32	Mature; typical tear-dropped growth form; broad, dense crown; good root collar; crown asymmetrical due to past clearance pruning **RETAIN / PRESERVE**
17	Manitoba maple	Poor	22	Mature; main stem heavily divergent towards south (school property); originated from seed **REMOVE** (to allow growth for Red Maple)
18	Red maple *(Acer rubrum)*	Fair	54	Mature; co-dominant stems at 3m; crown asymmetrical due to past clearance pruning from school property; scattered deadwood present; root collar obscured by raised grade **RETAIN / PRESERVE**
19	White cedar *(Thuja occidentalis)*/ Manitoba maple/Ash *(Fraxinus spp.)*	Poor to fair	<10 to 25	Cedar: mature; remnant of planted hedge; declining due to competition for sunlight; Maples: all originated from seed; generally divergent forms due to intolerance to shade; Ash: scattered smaller trees dead due to emerald ash borer *(Agrilus planipennis* **REMOVE**
20	Manitoba maple	Poor	33	Mature; heavily divergent towards school property; originated from seed **RETAIN / PRESERVE / ADJACENT PROPERTY**
21	Manitoba maple	Poor	29	Mature; heavily divergent towards school property; originated from seed DEVELOPMENT CONFLICT / **REMOVE**
22	Manitoba maple	Poor	19	Mature; moderately divergent towards roof of resource center; originated from seed **RETAIN / PRESERVE / ADJACENT PROPERTY**
23	Crab apple	Fair	28	Mature; main stem divergent and crown asymmetric towards school property; heavy vine growth into crown **RETAIN / PRESERVE / ADJACENT PROPERTY**

[1]Diameter at breast height, or 1.4m from grade (unless otherwise noted).

PLANT MATERIAL SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
DECIDUOUS TREES					
AFJ	ACER x FREEMANII JEFFERSRED	AUTUMN BLAZE MAPLE	1	60mm cal	B&B, single stem
AR	ACER RUBRUM	RED MAPLE	2	60mm cal	B&B, single stem
CCa	CARPINUS CAROLINIANA	BLUE BEECH	4	50mm cal	B&B, single stem
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3	60mm cal	B&B, single stem
SHRUBS					
AC	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	1	150cm ht	B&B, multi-stem
CAlt	CORNUS ALTERNIFOLIA	PAGODA DOGWOOD	1	150cm ht.	B&B, multi-stem
DL	DIERVILLA LONICERA	BUSH HONEYSUCKLE	6	50cm ht	potted, 100cm o/c
HK	HYPERICUM KALMIANUM	POT O' GOLD	41	40cm ht	potted, 60cm o/c
PO	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	21	50cm ht	potted, 100cm o/c
RAu	RIBES AUREUM	GOLDEN CURRANT	31	50cm ht	potted, 100cm o/c
RB	ROSA BLANDA	SMOOTH ROSE	7	50cm ht	potted, 100cm o/c
SA	SYMPHORICARPUS ALBUS	SNOWBERRY	7	50cm ht	potted, 100cm o/c
SAl	SPIRAEA ALBA	SPIREA	11	50cm ht	potted, 100cm o/c
VT	VIBURNUM TRILOBUM	HIGHBUSH CRANBERRY	26	50cm ht	potted, 100cm o/c
PERENNIALS					
Ech	ECHINACEA pallida	PALE PURPLE CONEFLOWER	20	15 cm pot	plant 60cm o/c
Ger	GERANIUM maculatum	WILD GERANIUM	14	15 cm pot	plant 50cm o/c
Hos	HOSTA 'Big Daddy'	'Big Daddy' HOSTA	19	15 cm pot	plant 75cm o/c
Lil	Lilium michiganese	MICHIGAN LILY	13	15 cm pot	plant 60cm o/c
Rud	RUDBECKIA lacinita	CUTLEAF CONEFLOWER	27	15 cm pot	plant 60cm o/c
ORNAMENTAL GRASSES					
And	ANDROPOGON gerardii	BIG BLUESTEM GRASS	24	15cm pot	plant 75cm o/c
Pv	PANICUM virgatum	SWITCH GRASS	46	15cm pot	plant 75cm o/c
Spo	SPOROBOLUS heterolepis	PRAIRIE DROPSEED	9	15cm pot	plant 75cm o/c



NOTES:

* THE CRITICAL ROOT ZONE (CRZ) IS ESTABLISHED AS BEING 10 cm THE DISTANCE FROM THE TRUNK OF TREE FOR EVERY cm OF TRUNK DBH. THE CRZ IS CALULATED AS DBH x 10cm

1. THE AREA WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ALL EXISTING TREES SHALL BE PROPERLY PROTECTED WITH FENCING AS DETAILED.
2. THE AREA WITHIN THE PROTECTED FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF MATERIALS, EQUIPMENT OR VEHICLES.
3. PRUNE BRANCHES TO REMOVE DAMAGED LIMBS, DO NOT DAMAGE LEADERS.
4. CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE CONSULTANT.
5. IF TREES ARE BEING ADVERSELY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SETUP TO THE SATISFACTION OF THE CITY.
6. TREE PROTECTION FENCING MAY BE REQUIRED AROUND INDIVIDUAL TREES TO REMAIN AND/OR AROUND TREE PRESERVATION ZONES AS IDENTIFIED ON THE PLANS.
7. TREE PROTECTION FENCING OPTIONS (TO BE APPROVED BY CITY):
   - .01 1.2m HT. MIN. SOLID PLYWOOD HOARDING MOUNTED ON WOOD POSTS, 2.4m c/c MIN.
   - .02 1.2m HT. MIN.CHAIN-LINK FENCE MOUNTED ON TUBULAR STEEL SUPPORT POSTS OR 'T' POSTS, 2.4m c/c MIN. 2.4m c/c MIN.
   - .03 1.2m HT. MIN. HIGH VISIBIITY (INTERNATIONAL ORANGE) PLASTIC FABRIC (HIGH DENSITY POLYETYLENE) MOUNTED ON WOOD FRAME w/ TOP AND BOTTOM WOOD RAILS.

2 L1.01 TREE PROTECTION BARRIER NTS

GENERAL NOTES

1 This drawing shall be read in conjunction with all relevant Architectural, Engineering and related Drawings and Documents.
2 Refer to Engineering Drawings for Grading and Servicing.
3 Refer to Architectural Drawings for Site layout.
4 Contractor shall provide the location(s) of all services/utilities by consulting Municipal Authorities and Utility companies and shall be responsible for adequate protection from damage during construction.
5 Plant material shall be No.1 Grade and shall comply with the Metric Guide Specifications For NurseryStock (latest edition), published by the Canadian Nursery Trades Association.
6 Plant Material locations are **Schematic / Approximate only.** Contractor shall stake out locations on site prior to work.
7 Contractor shall guarantee all plant material for a period of one (1) full year from the date of final acceptance.
8 Reinstate all areas damaged or disturbed beyond the limit of Work.
9 **Sod** areas to receive 150mm topsoil. Sod shall be No. 1 quality conforming to the Canadian Nursery Sod rowers Specification.
10 **Shrubs** shall be planted in a continuous prepared bed of 450mm depth planting soil mix covered over with a woven polypropylene weed control fabric (**LANDSCAPE FABRIC-Green-Line** by Thrace-LINQ) and 75mm depth mulch, to finish grade, as specified
11 **Perennials** and **Ornamental Grasses** shall be planted in a continuous prepared bed of 450mm depth planting soil mix covered over with 75mm depth mulch, as specified, to finish grade. (**NO WEED CONTROL FABRIC)**
12 Plant Material substitutions shall not be permitted without written approval from the Consultant.
13 All materials and construction methods shall conform to City Standards and specifications
14 Provide **protection for existing** trees to be retained. Install fencing to Critical Root Zone (CRZ) of each tree or groupings of trees (if close together). No excavation, filling, storage of materials, disposal of chemicals or waste, vehicle traffic or other activity which could cause root zone disturbance or compaction, shall take place within the protected area.
Where limbs of trees are removed to accommodate construction work, they shall be done in accordance with accepted arboriculture practice.
Where root systems become exposed due to excavation, carefully trim damaged roots and provide temporary mulch until backfill is undertaken. Keep roots moist at all times.
Construct wells or retaining walls if grades around trees are to be modified. Root feed all existing trees after construction.
15 Contractor shall advise Consultant a minimum of **48hrs**. prior to proceeding landscape work and any required Field Reviews.
16 **THIS PLAN HAS BEEN PREPARED FOR MUNICIPAL SITE PLAN APPROVAL AND MAY NOT BE USE FOR ANY OTHER PURPOSE.**

LEGEND / SYMBOL

- EXISTING TREE TO BE RETAINED (Refer to Existing Tree Inventory)
- CRZ (Critical Root Zone)
- EXISTING TREE TO BE REMOVED (Refer to Existing Tree Inventory)
- CRZ (Critical Root Zone)
- PROPOSED DECIDUOUS TREE DETAIL 1/L1.01
- PROPOSED DECIDUOUS TREE MULTI-STEM TREE / SHRUB DETAIL 1/L1.01
- PROPOSED CONIFEROUS TREE DETAIL 1/L1.01
- PROPOSED SHRUBS DETAIL 1/L1.01
- PROPOSED PERENNIALS / GRASSES DETAIL 1/L1.01
- PROPOSED UNIT PAVERS
- PROPOSED P.C CONCRETE SEGMENTAL PLANTER WALL
- PROPOSED BICYCLE PARKING
- TREE PROTECTION BARRIER DETAIL 2/L1.01

no.	date	revision
4.	OCT,13/20	PER CITY COMMENTS (2)
3.	AUG,31/20	ISSUED FOR BUILDING PERMIT
2.	JULY 16/20	PER CITY COMMENTS (1)
1.	APR,28/20	ISSUE FOR SITE PLAN APPROVAL

North Arrow

Stamp: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — RUDY J. LEVSTEK — OALA — MEMBER

Contractor shall check and verify all dimensions on site and report all errors and/or omissions to the Consultant.

Work to be done in accordance with all applicable codes and by-laws.

Do not scale Drawing.

This Drawing shall not be used for construction until signed by the Consultant.

Copyright reserved. This Drawing is the exclusive property of Levstek Consultants Inc. and shall not be used without consent.

Consultant

LEVSTEK CONSULTANTS
LANDSCAPE ARCHITECTS
5871 Hugh Crescent · Ottawa · Ontario · K0A 2W0
613 · 826 · 0518

Client

Project

3865 OLD RICHMOND RD
OTTAWA ONTARIO

Drawing Title

LANDSCAPE PLAN

Drawn	Date	Drawing No.
MGB	APR 2020	L1.01
Scale	Project No.	
1:200	1171	

D07-12-20-0053

#18148