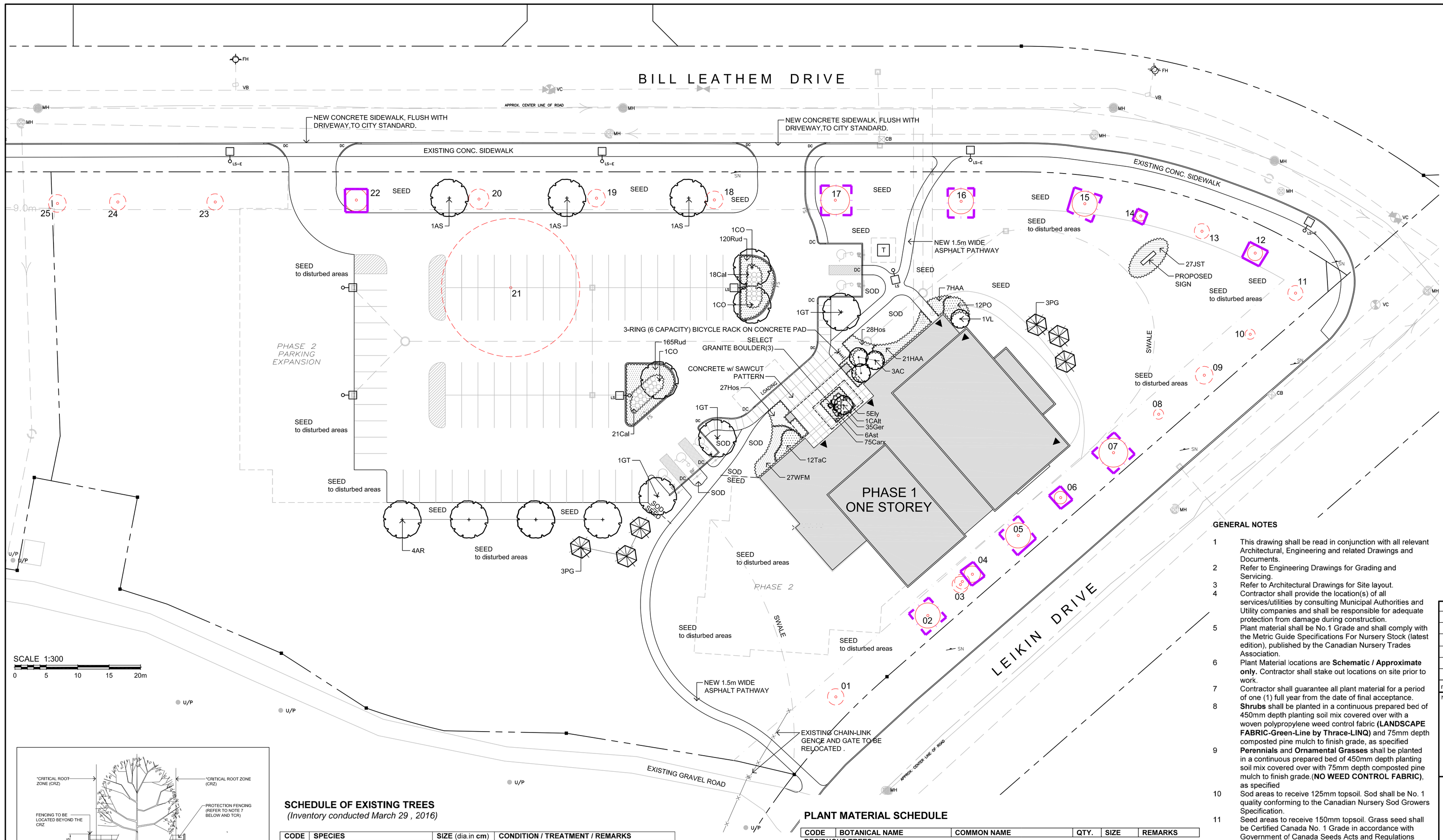
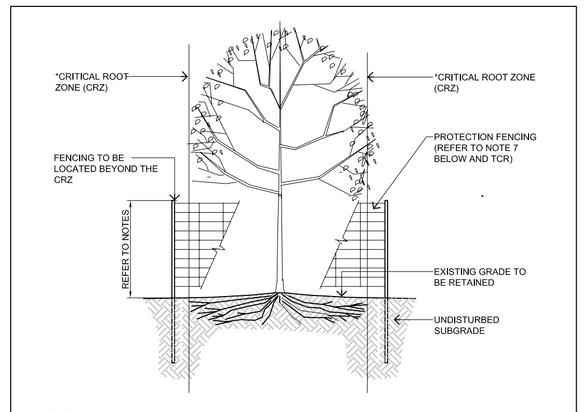


LEGEND / SYMBOL

- EXISTING TREE TO BERETAINED (Refer to Schedule) — CRZ (Critical Root Zone)
- EXISTING TREE TO BE REMOVED (Refer to Schedule) — CRZ (Critical Root Zone)
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS AND GROUNDCOVER
- TREE PROTECTION BARRIER DETAIL 1/L1.01



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 VISIBITY (INTERNATIONAL ORANGE) PLASTIC FABRIC (HIGH DENSITY POLYETYLENE) MOUNTED ON WOOD FRAME w/ TOP AND BOTTOM WOOD RAILS.

1 / L1.01 TREE PROTECTION BARRIER NTS

SCHEDULE OF EXISTING TREES

(Inventory conducted March 29 , 2016)

CODE	SPECIES	SIZE (dia.in cm)	CONDITION / TREATMENT / REMARKS
1	Ash	13	dead / **remove** /
2	Colorado Spruce	20	good / **retain** / protect
3	Manitoba Maple (double-stem)	13/12	invasive / **remove** to promote growth of adjacent Sugar Maple.
4	Sugar Maple	13	good / **retain** / protect
5	Colorado Spruce	20	good / **retain** / protect
6	Sugar Maple	10	good / **retain** / protect
7	Colorado Spruce	23	good / **retain** / protect
8	Ash	8	dead / **remove** /
9	Ash	14	dead / **remove** /
10	Ash	8	dead / **remove** /
11	Ash	12	dead / **remove** /
12	Sugar Maple	12	good / **retain** / protect
13	Ash	12	dead / **remove** /
14	Sugar Maple	9	poor / **retain** / protect
15	Austrian Pine	20	good / **retain** / protect
16	Austrian Pine	20	good / **retain** / protect
17	Austrian Pine	23	good / **retain** / protect
18	Ash	14	dead / **remove** /
19	Ash	14	dead / **remove** /
20	Ash	16	dead / **remove** /
21	Ash		poor/ EAB infected/ top crown dying / **remove** / hazardous
22	Colorado Spruce	20	good / **retain** / protect
23	Ash	13	dead / **remove** /
24	Ash	13	dead / **remove** /
25	Ash	14	dead / **remove** /

PLANT MATERIAL SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
DECIDUOUS TREES					
AR	ACER RUBRUM	RED MAPLE	4	60mm cal	B&B, single stem
AS	ACER SACCHARUM	SUGAR MAPLE	3	60mm cal	B&B, single stem
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3	60mm cal	B&B, single stem
GT	GLEDITSIA TRIACANTHOS SKYLINE	SKYLINE HONEYLOCUST	3	60mm cal	B&B, single stem
QR	QUERCUS RUBRA	RED OAK	1	60mm cal	B&B, single stem
CONIFEROUS TREES					
PG	PICEA GLAUCA	WHITE SPRUCE	6	180cm ht	B&B
DECIDUOUS SHRUBS					
AC	AMELANCHIER CANADENSIS	DOWNY SERVICEBERRY	3	150cm ht	B&B, multi-stem
CAlt	CORNUS ALTERNIFOLIA	PAGODA DOGWOOD	1	150cm ht.	B&B, multi-stem
HAA	HYDRANGEA ARBORESCENS ANNABELLE	ANNABELLE HYDRANGEA	28	50cm ht	potted, 100cm o/c
PO	PHYSOCARPUS OPULIFOLIUS	COMMON NINEBARK	12	50cm ht	potted, 100cm o/c
VL	VIBURNUM LENTAGO	NANNYBERRY	1	150cm ht	B&B, multi-stem
WFM	WEIGELA FLORIDA 'MINUET'	MINUET WEIGELA	27	50cm ht	potted, 80cm o/c
CONIFEROUS SHRUBS					
JST	JUNIPERUS SABINA 'TAMARISCIFOLIA	TAMARIX JUNIPER	27	50cm spr	potted, 100cm o/c
TaC	TAXUS CANADENSIS	CANADA YEW	12	50cm ht	potted,100cm o/c
PERENNIALS					
Ast	ASTER divaricatus	WHITE WOODLAND ASTER	6	15cm pot	plant 50cm o/c
Ger	GERANIUM maculatum	WILD GERANIUM	35	15cm pot	plant 30cm o/c
Hos	HOSTA 'Big Daddy'	'Big Daddy' HOSTA	55	15cm pot	plant 75cm o/c
Rud	RUDBECKIA hirta '	BROWN-EYED SUSAN	285	15cm pot	plant 50cm o/c
ORNAMENTAL GRASSES / SEDGES					
Cal	CALAMAGROSTIS x acutiflora 'Karl Foerster'	KARL FOERSTER REED GRASS	39	15cm pot	plant 75cm o/c
Carx	CAREX eburnea	IVORY SEDGE	75	15cm pot	plant 30cm o/c
Ely	ELYMUS hystrix	BOTTLEBRUSH GRASS	5	15cm pot	plant 60cm o/c

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 Nursery Stock (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. **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 composted pine mulch to finish grade, as specified
9. **Perennials** and **Ornamental Grasses** shall be planted in a continuous prepared bed of 450mm depth planting soil mix covered over with 75mm depth composted pine mulch to finish grade.(**NO WEED CONTROL FABRIC)**, as specified
10. Sod areas to receive 125mm topsoil. Sod shall be No. 1 quality conforming to the Canadian Nursery Sod Growers Specification.
11. Seed areas to receive 150mm topsoil. Grass seed shall be Certified Canada No. 1 Grade in accordance with Government of Canada Seeds Acts and Regulations
12. Reinstate all areas damaged or disturbed beyond the limit of Work.
13. Plant Material substitutions shall not be permitted without written approval from the Consultant.
14. Provide **protection for existing** trees to be retained. Install fencing to dripline (canopy) 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 arboricultural 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 ONLY AND MAY NOT BE USED FOR ANY OTHER PURPOSE.**

no.	date	revision
1.	APR.19/16	ISSUE FOR SITE PLAN APPROVAL

North Arrow

Stamp: ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO — 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.

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Consultant
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LANDSCAPE ARCHITECTS
3871 Hugh Crescent · Ottawa · Ontario · K0A 2W0
613 · 826 · 0518

Client

Project
SALVATION ARMY CHURCH
BARRHAVEN
102 BILL LEATHEM DRIVE

Drawing Title
LANDSCAPE PLAN
PHASE 1

Drawn	Date	Drawing No.
MGB	MAR 2016	L1.01
Scale: 1:300	Project No.: 1114	